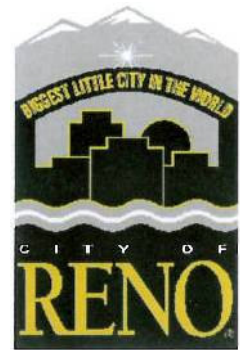


Appendix J
MCACES Report

Reno TRAction Project Locally Preferred Plan Sierra Street

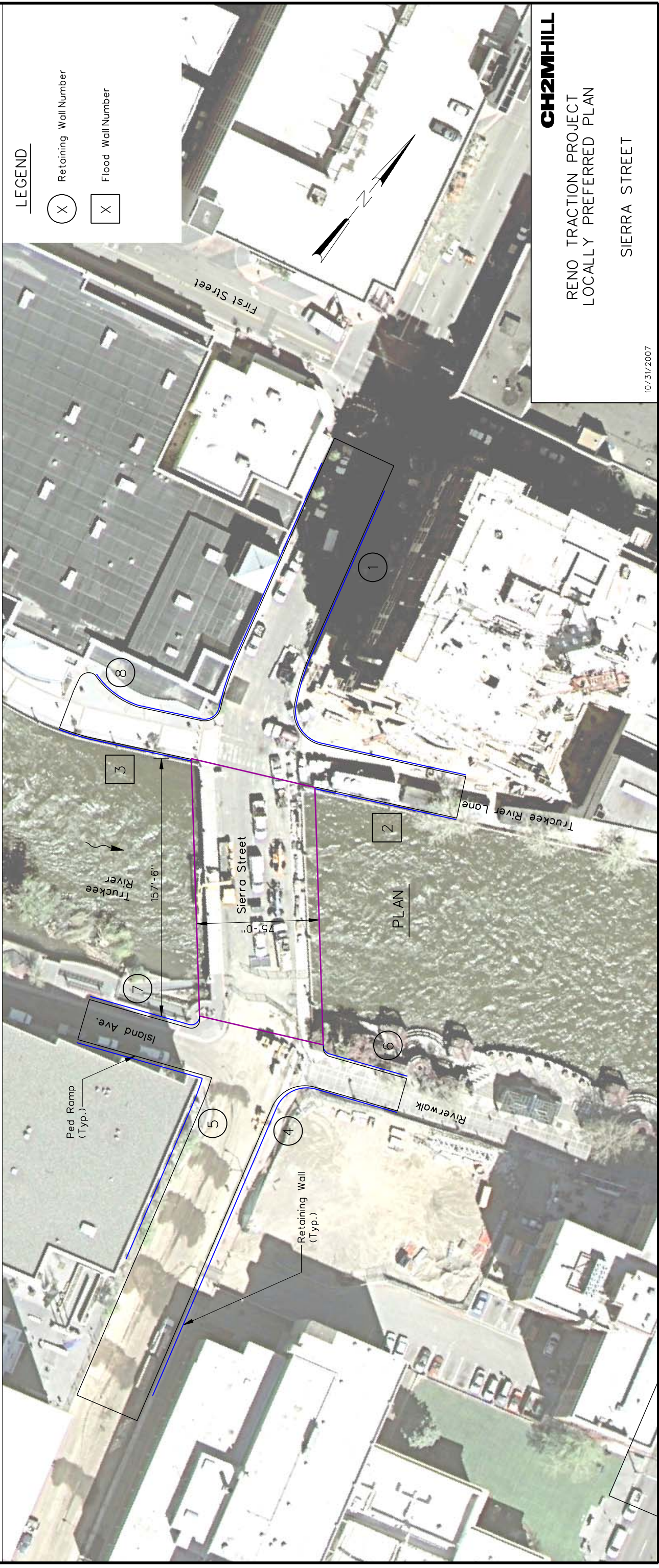
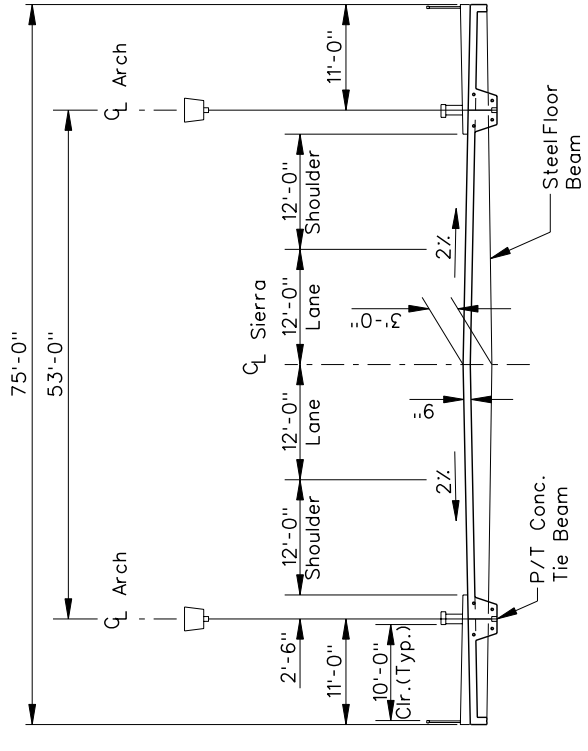
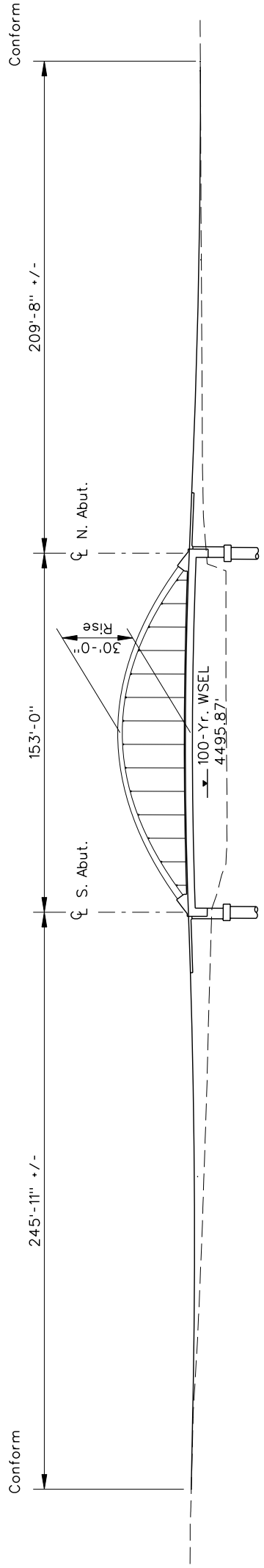


Prepared for
City of Reno

1 East First Street
Reno, NV 89501

October 2007

CH2MHILL
50 West Liberty Street
Suite 205
Reno, NV 89501



CH2MHILL

RENO TRACTION PROJECT
LOCALLY PREFERRED PLAN

SIERRA STREET

10/31/2007

Sierra Street Bridge Summary

Project Feature Quantities

| Item of Work | Item Number | Units | Roadway | Flood Walls | Retaining Wall | Bridge | Utilities | Total | Notes |
|-------------------------------------------------------------|-------------|--------|---------|-------------|----------------|---------|-----------|---------|-------------------------------------|
| Urban Clearing | 201-0032 | LS | | | | | | 1 | |
| Removal of Retaining Walls | 202-1072 | Lin Ft | | 170 | | | | 170 | |
| Removal of Concrete Pavement | 202-2112 | SY | 121 | | | | | 121 | |
| Removal of Bituminous Surface | 202-2128 | SY | 2,116 | | | | | 2,116 | Assumes 25% of Pedestrian Ramp Area |
| Removal of Curb | 202-2172 | Lin Ft | 869 | | | | | 869 | |
| Removal of Sidewalk | 202-2188 | SY | 317 | | | | | 317 | |
| Roadway Embankment | 203-2033 | CY | 3,643 | | | | | 3,643 | |
| Structure Excavation | 206-2000 | CY | | 3,087 | 450 | 1,648 | | 5,185 | |
| Structure Excavation Contaminated Materials (Hazardous) | 206-xxxx | CY | | 272 | 40 | 145 | | 457 | |
| Structure Excavation Contaminated Materials (Non-Hazardous) | 206-xxxx | CY | | 272 | 40 | 145 | | 457 | |
| Granular Backfill | 207-2004 | CY | | 2,856 | 417 | 1,464 | | 4,737 | |
| Landscaping | 212-xxxx | LS | | | | | | 1 | |
| Aggregate Base | 302-0500 | Ton | 1,319 | | | | | 1,319 | |
| Plantmix Surfacing (Wet) | 402-6000 | Ton | 667 | | | | | 667 | |
| Class AA Concrete, Modified (Major) | 502-0840 | CY | | 745 | 486 | 406 | | 1,637 | |
| Class EA Concrete, Modified (Major) | 502-0864 | CY | | | | 818 | | 818 | |
| Prestressing CIP Concrete | 503-0012 | LB | | | | 10,000 | | 10,000 | |
| Reinforcing Steel | 505-0500 | LB | | 115,090 | 49,000 | 347,980 | | 512,070 | |
| Reinforcing Steel (Epoxy Coated) | 505-0502 | LB | | | | 122,380 | | 122,380 | |
| Structural Steel | 506-0000 | LB | | | | 480,940 | | 480,940 | |
| Pedestrian Railing | 506-0600 | Lin Ft | | 170 | 170 | 407 | | 747 | |
| 2.5-inch Structural Strands (Hanger) | 506-xxxx | LB | | | | 11,826 | | 11,826 | |
| 5-Foot Diameter Drilled Shafts | 508-0596 | Lin Ft | | | | 500 | | 500 | |
| Drainage | 603-xxxx | LS | | 1 | | | | 1 | |
| Relocate Water Manhole | 609-xxxx | EA | | | | | 4 | 4 | |
| Relocate Gas Manhole | 609-xxxx | EA | | | | | 4 | 4 | |
| Relocate Power Manholes | 609-xxxx | EA | | | | | 4 | 4 | |
| Concrete Curb | 613-0756 | Lin Ft | 869 | | | | | 869 | |
| 4" Concrete Sidewalk | 613-0876 | SY | 317 | | | | | 317 | |
| Concrete Pedestrian Ramp | 613-0880 | SY | 1,092 | | | | | 1,092 | |
| Lighting | 623-xxxx | LS | | | | | | 1 | |
| Reconstruct Signal | 623-xxxx | LS | | | | | | 1 | |
| Relocate Power Line | 623-xxxx | Lin Ft | | | | | 1,815 | 1,815 | |
| Traffic Control | 625-xxxx | LS | | | | | | 1 | |
| Mobilization | 628-0004 | LS | | | | | | 1 | |
| River Diversion | 637-xxxx | LS | | 1 | | 1 | | 1 | |
| Treat Contaminated Groundwater | 637-xxxx | LS | | | | | | 1 | |
| Relocate Water Line | 638-xxxx | Lin Ft | | | | 700 | | 700 | |
| Relocate Water Valve | 638-xxxx | EA | | | | 4 | | 4 | |
| Relocate Gas Line | 638-xxxx | Lin Ft | | | | 700 | | 700 | |
| Relocate Gas Valve | 638-xxxx | EA | | | | 2 | | 2 | |
| Miscellaneous Items | 999-xxxx | LS | | | | | | 1 | |

Contingency LS 1
Preliminary Design LS 1
Construction Engineering LS 1

SIERRA STREET BRIDGE REPLACEMENT
RENO TRACTION PROJECT
Locally Preferred Plan
City of Reno, Nevada
Draft Feasibility Cost Estimate

Designed By: CH2M Hill - Reno, NV 36942
Estimated By: Al Meyer - (303) 887-8645

Prepared By: CH2M Hill, Inc.
Reno, Nevada 36942

Preparation Date: 12/04/06
Effective Date of Pricing: 10/01/06
Est Construction Time: 720 Days

Sales Tax: 7.3%

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Release 1.6c

THIS COST ESTIMATE IS TO BE USED FOR FEASIBILITY STUDY PURPOSES ONLY

The purpose of this cost estimate is to develop feasibility cost values for Locally Preferred Plan for bridge replacements in downtown Reno, Nevada. This feasibility cost estimate includes cost remove and replace the Sierra Street Bridge, approach roadways, floodwalls and utility relocations. There are four bridges to be replaced in the Locally Preferred Plan. The bridges to be replaced are listed below:

- Sierra Street Bridge
- Virginia Street Bridge
- Center Street Bridge
- Lake Street Bridge

Flood control features include removal existing floodwall sections adjacent to the proposed bridge abutments and replacement of the floodwall sections with new structures that provide a higher freeboard.

COST ESTIMATE BASIS

The cost estimate is based on "Reno Traction Project" conceptual drawings and quantity takeoff developed by CH2M Hill.

CONSTRUCTION SCHEDULE

The bridge, floodwalls, approach roadways and utility relocations will take approximately 1 to 2 years to construct.

CONSTRUCTION ACCESS

The bridge is located in downtown Reno, Nevada. Construction of the single span bridge will cross the Truckee River requiring long reach capability lifting equipment. The construction conditions to build the bridge and floodwalls in general are tight. The closing the approach roadway to the bridge to vehicular traffic will be required along with traffic alternate routing. Pedestrian traffic will be limited during critical construction activities. Night work will more than likely be required to prevent inconvenience to business and tourist travel and during seasonal events.

The construction activities will supplemental off site laydown areas for the contractors equipment storage, storage and office trailers.

Access for material delivery will be good with paved streets. However, deliveries should be limited to non-peak traffic periods. Storage of material will be very limited at the project site and will require materials be stored off-site.

CONSTRUCTION MEANS & METHODS

Construction means and methods should be standard with the exception of the long reach across the Truckee River to construct the bridge.

ENVIRONMENTAL CONCERNS

A/E experience with construction of the existing Center Street Bridge indicates that contaminated soil and ground water exist on the northside abutment and extends slightly downward angle from the abutment to the bridge center pier. The contractor constructing the Center Street Bridge was issued a change order to remove and dispose of the contaminated soil and to pump, treat and dispose to the POTW contaminated groundwater. This estimate assumes that 15% of all excavated materials are contaminated with the quantity split 50%-50% between Hazardous material and non-hazardous material.

This estimate includes normal environmental protection requirements in addition to the above.

LABOR

Required craft labor is available locally and within a 50 to 60-mile radius. No per diems should be required.

Labor rates used to develop this estimate are based Davis Bacon for Washoe County, Nevada, General Decision Number: NV20070005 26-Oct-07.

MATERIAL PRICES

Material quotes from the Reno area were obtained when possible. Historical costs were used where deemed appropriate, estimator experience and from cost data catalogs.

The cost estimate assumes that borrow sources and disposal Areas require a 15 mile haul for transportation. Disposal fees were provided by Lockwood Regional Landfill (755) 342-0401.

CONSTRUCTION EQUIPMENT

Required construction equipment is available locally and within a 50 to 60-mile radius.

COST ESTIMATE MARKUP STRUCTURE

Owner Cost are excluded from the cost estimate.

Contractor field overhead cost are included in account code 99 Associated General Items for 02 Relocations and 11 Levees and Floodwalls accounts and is therefore not a distributed cost.

Estimate/Design Contingency is included in the prime contractor markup as a distributed cost at 25%.

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|----------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 15,808,600 | 0 | 0 | 0 | 0 | 0 | 15,808,600 | 15808611 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 3,536,000 | 0 | 0 | 0 | 0 | 0 | 3,536,000 | 3535970 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| TOTAL SIERRA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 19,344,600 | 0 | 0 | 0 | 0 | 0 | 19,344,600 | 19344580 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|---------------------------------------------|-----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 1,179,500 | 0 | 0 | 0 | 0 | 0 | 1,179,500 | 1179519 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 1,179,500 | 0 | 0 | 0 | 0 | 0 | 1,179,500 | 1179519 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 8.00 | EA | 11,600 | 0 | 0 | 0 | 0 | 0 | 11,600 | 1452.85 |
| 02.01.03.02 Remove Pilasters | 8.00 | EA | 14,900 | 0 | 0 | 0 | 0 | 0 | 14,900 | 1862.23 |
| 02.01.03.03 Remove Bridge Railing | 270.00 | LF | 33,500 | 0 | 0 | 0 | 0 | 0 | 33,500 | 124.15 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 540.00 | LF | 1,200 | 0 | 0 | 0 | 0 | 0 | 1,200 | 2.24 |
| 02.01.03.05 Remove Asphalt Pavement | 2116.00 | SY | 7,500 | 0 | 0 | 0 | 0 | 0 | 7,500 | 3.55 |
| 02.01.03.06 Remove Sidewalk | 240.00 | SY | 6,100 | 0 | 0 | 0 | 0 | 0 | 6,100 | 25.32 |
| 02.01.03.07 Concrete Deck Removal | 210.00 | CY | 39,800 | 0 | 0 | 0 | 0 | 0 | 39,800 | 189.73 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 109,600 | 0 | 0 | 0 | 0 | 0 | 109,600 | 2740.02 |
| 02.01.03.09 Structural Steel Removal | 323700.00 | LB | 110,900 | 0 | 0 | 0 | 0 | 0 | 110,900 | 0.34 |
| 02.01.03.10 Structure Excavation | 430.00 | CY | 32,000 | 0 | 0 | 0 | 0 | 0 | 32,000 | 74.33 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 64,800 | 0 | 0 | 0 | 0 | 0 | 64,800 | 32407.01 |
| 02.01.03.12 Concrete Pier Removal | 2.00 | EA | 86,200 | 0 | 0 | 0 | 0 | 0 | 86,200 | 43086.95 |
| 02.01.03.13 Granular Backfill | 885.00 | CY | 51,100 | 0 | 0 | 0 | 0 | 0 | 51,100 | 57.74 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 569,200 | 0 | 0 | 0 | 0 | 0 | 569,200 | 569189.55 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 500.00 | LF | 1,501,000 | 0 | 0 | 0 | 0 | 0 | 1,501,000 | 3002.08 |
| 02.01.05.02 Structure Excavation | 1648.00 | CY | 97,500 | 0 | 0 | 0 | 0 | 0 | 97,500 | 59.19 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 145.00 | CY | 43,300 | 0 | 0 | 0 | 0 | 0 | 43,300 | 298.85 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 145.00 | CY | 19,000 | 0 | 0 | 0 | 0 | 0 | 19,000 | 130.99 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 22,900 | 0 | 0 | 0 | 0 | 0 | 22,900 | 91.64 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 1,411,700 | 0 | 0 | 0 | 0 | 0 | 1,411,700 | 5646.68 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 146,500 | 0 | 0 | 0 | 0 | 0 | 146,500 | 796.34 |
| 02.01.05.08 Granular Fill | 1464.00 | CY | 78,000 | 0 | 0 | 0 | 0 | 0 | 78,000 | 53.29 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 3,320,000 | 0 | 0 | 0 | 0 | 0 | 3,320,000 | 1660012 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |

| | QUANTITY | UOM | CONTRACT COST | DBS CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|--------------------------------------|----------------------------------|----------|---------------|-----------|----------|----------|----------|------|------------|-----------|
| 02.01.06.01 | Concrete Abutment Wall | 222.00 | CY | 222,000 | 0 | 0 | 0 | 0 | 222,000 | 1000.20 |
| TOTAL BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |
| 02.01.07 | BRIDGES, SUPERSTRUCTURE & DECK | 2.00 | EA | 222,000 | 0 | 0 | 0 | 0 | 222,000 | 111022.60 |
| 02.01.07.01 | Bridge Superstructure | 11475.00 | SF | 1,984,200 | 0 | 0 | 0 | 0 | 1,984,200 | 172.91 |
| 02.01.07.02 | Bridge Deck | 11475.00 | SF | 1,231,600 | 0 | 0 | 0 | 0 | 1,231,600 | 107.33 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.08 | BRIDGES, ASSOCIATED GENERAL ITEM | 8370.00 | SF | 334,100 | 0 | 0 | 0 | 0 | 334,100 | 39.92 |
| 02.01.13 | TRAFFIC CONTROL | 1.00 | JOB | 334,100 | 0 | 0 | 0 | 0 | 334,100 | 334146.09 |
| 02.01.13.01 | Sitework | 1.00 | EA | 18,800 | 0 | 0 | 0 | 0 | 18,800 | 18839.94 |
| TOTAL TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.19 | CONSTRUCT ROADDED TO SUBGRADE | 4232.00 | CY | 141,000 | 0 | 0 | 0 | 0 | 141,000 | 33.31 |
| 02.01.19.01 | Roadway Backfill | 1.00 | JOB | 141,000 | 0 | 0 | 0 | 0 | 141,000 | 140980.30 |
| 02.01.39 | APPROACH ROADWAY | 121.00 | SY | 2,700 | 0 | 0 | 0 | 0 | 2,700 | 22.57 |
| 02.01.39.01 | Removal of Concrete Pavement | 869.00 | LF | 5,100 | 0 | 0 | 0 | 0 | 5,100 | 5.92 |
| 02.01.39.02 | Removal of Curb | 317.00 | SY | 3,400 | 0 | 0 | 0 | 0 | 3,400 | 10.77 |
| 02.01.39.03 | Removal of Sidewalk | 4620.00 | SF | 564,100 | 0 | 0 | 0 | 0 | 564,100 | 122.09 |
| 02.01.39.04 | Retaining Walls | 450.00 | CY | 26,600 | 0 | 0 | 0 | 0 | 26,600 | 59.19 |
| 02.01.39.05 | Structure Excavation | 417.00 | CY | 17,700 | 0 | 0 | 0 | 0 | 17,700 | 42.45 |
| 02.01.39.06 | Granular Backfill | 40.00 | CY | 12,000 | 0 | 0 | 0 | 0 | 12,000 | 298.85 |
| 02.01.39.07 | Struct Excav & Dispos Hazardous | 2116.00 | SY | 179,000 | 0 | 0 | 0 | 0 | 179,000 | 84.61 |
| 02.01.39.08 | Struct Excav & Dispos Non-Haz | 317.00 | SY | 18,700 | 0 | 0 | 0 | 0 | 18,700 | 59.07 |
| 02.01.39.09 | Asphalt Pavement | 1092.00 | SY | 447,200 | 0 | 0 | 0 | 0 | 447,200 | 409.50 |
| 02.01.39.10 | Sidewalk | 134.00 | CY | 93,900 | 0 | 0 | 0 | 0 | 93,900 | 700.58 |
| 02.01.39.11 | Concrete Pedestrian Ramp | 1.00 | JOB | 1,375,700 | 0 | 0 | 0 | 0 | 1,375,700 | 1375680 |
| 02.01.39.12 | Bridge Approach Slab | | | | | | | | | |
| TOTAL APPROACH ROADWAY | | | | | | | | | | |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.01.99.01 | 26.00 | MO | 3,403,500 | 0 | 0 | 0 | 0 | 0 | 3,403,500 | 130905.09 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 3,403,500 | 0 | 0 | 0 | 0 | 0 | 3,403,500 | 3403532 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| | 1.00 | JOB | 13,779,700 | 0 | 0 | 0 | 0 | 0 | 13,779,700 | 13779710 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 | 1.00 | EA | 1,505,200 | 0 | 0 | 0 | 0 | 0 | 1,505,200 | 1505198 |
| TOTAL UTILITIES | | | | | | | | | | |
| | 1.00 | JOB | 1,505,200 | 0 | 0 | 0 | 0 | 0 | 1,505,200 | 1505198 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 | 4.00 | MO | 523,700 | 0 | 0 | 0 | 0 | 0 | 523,700 | 130925.67 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 523,700 | 0 | 0 | 0 | 0 | 0 | 523,700 | 523702.68 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| | 1.00 | JOB | 2,028,900 | 0 | 0 | 0 | 0 | 0 | 2,028,900 | 2028900 |
| TOTAL RELOCATIONS | | | | | | | | | | |
| | 1.00 | JOB | 15,808,600 | 0 | 0 | 0 | 0 | 0 | 15,808,600 | 15808611 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 | 1.00 | EA | 13,500 | 0 | 0 | 0 | 0 | 0 | 13,500 | 13530.13 |
| TOTAL DRAINAGE | | | | | | | | | | |
| | 1.00 | JOB | 13,500 | 0 | 0 | 0 | 0 | 0 | 13,500 | 13530.13 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 | 170.00 | LF | 15,600 | 0 | 0 | 0 | 0 | 0 | 15,600 | 91.59 |
| 11.02.03.02 | 170.00 | LF | 960,100 | 0 | 0 | 0 | 0 | 0 | 960,100 | 5647.82 |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | | |
| | 1.00 | JOB | 975,700 | 0 | 0 | 0 | 0 | 0 | 975,700 | 975698.64 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 | 170.00 | LF | 557,600 | 0 | 0 | 0 | 0 | 0 | 557,600 | 3279.77 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 11.02.05.02 | 4590.00 | SF | 755,400 | 0 | 0 | 0 | 0 | 0 | 755,400 | 164.58 |
| 11.02.05.03 | 3087.00 | CY | 182,700 | 0 | 0 | 0 | 0 | 0 | 182,700 | 59.19 |
| 11.02.05.04 | 2856.00 | CY | 17,700 | 0 | 0 | 0 | 0 | 0 | 17,700 | 6.20 |
| 11.02.05.05 | 272.00 | CY | 81,300 | 0 | 0 | 0 | 0 | 0 | 81,300 | 298.85 |
| 11.02.05.06 | 272.00 | CY | 35,600 | 0 | 0 | 0 | 0 | 0 | 35,600 | 130.99 |
| TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 1,630,300 | 0 | 0 | 0 | 0 | 0 | 1,630,300 | 1630315 |
| 11.02.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01 | 7.00 | MO | 916,400 | 0 | 0 | 0 | 0 | 0 | 916,400 | 130918.03 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 916,400 | 0 | 0 | 0 | 0 | 0 | 916,400 | 916426.18 |
| TOTAL FLOODWALLS | 1.00 | JOB | 3,536,000 | 0 | 0 | 0 | 0 | 0 | 3,536,000 | 3535970 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 3,536,000 | 0 | 0 | 0 | 0 | 0 | 3,536,000 | 3535970 |
| 30 PLANNING, ENGINEERING AND DESIGN | | | | | | | | | | |
| 30.26 PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | | |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.26 PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | | |
| TOTAL SIERRA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 19,344,600 | 0 | 0 | 0 | 0 | 0 | 19,344,600 | 19344580 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 10,830,600 | 0 | 649,800 | 918,400 | 248,000 | 3,161,700 | 15,808,600 | 15808611 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 2,422,500 | 0 | 145,400 | 205,400 | 55,500 | 707,200 | 3,536,000 | 3535970 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| TOTAL SIERRA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 13,253,200 | 0 | 795,200 | 1,123,900 | 303,400 | 3,868,900 | 19,344,600 | 19344580 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|---------------------------------------------|-----------|-----|--------------|----------|----------|---------|--------|---------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 808,100 | 0 | 48,500 | 68,500 | 18,500 | 235,900 | 1,179,500 | 1179519 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 808,100 | 0 | 48,500 | 68,500 | 18,500 | 235,900 | 1,179,500 | 1179519 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 8.00 | EA | 8,000 | 0 | 500 | 700 | 200 | 2,300 | 11,600 | 1452.85 |
| 02.01.03.02 Remove Pilasters | 8.00 | EA | 10,200 | 0 | 600 | 900 | 200 | 3,000 | 14,900 | 1862.23 |
| 02.01.03.03 Remove Bridge Railing | 270.00 | LF | 23,000 | 0 | 1,400 | 1,900 | 500 | 6,700 | 33,500 | 124.15 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 540.00 | LF | 800 | 0 | 0 | 100 | 0 | 200 | 1,200 | 2.24 |
| 02.01.03.05 Remove Asphalt Pavement | 2116.00 | SY | 5,200 | 0 | 300 | 400 | 100 | 1,500 | 7,500 | 3.55 |
| 02.01.03.06 Remove Sidewalk | 240.00 | SY | 4,200 | 0 | 200 | 400 | 100 | 1,200 | 6,100 | 25.32 |
| 02.01.03.07 Concrete Deck Removal | 210.00 | CY | 27,300 | 0 | 1,600 | 2,300 | 600 | 8,000 | 39,800 | 189.73 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 75,100 | 0 | 4,500 | 6,400 | 1,700 | 21,900 | 109,600 | 2740.02 |
| 02.01.03.09 Structural Steel Removal | 323700.00 | LB | 75,900 | 0 | 4,600 | 6,400 | 1,700 | 22,200 | 110,900 | 0.34 |
| 02.01.03.10 Structure Excavation | 430.00 | CY | 21,900 | 0 | 1,300 | 1,900 | 500 | 6,400 | 32,000 | 74.33 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 44,400 | 0 | 2,700 | 3,800 | 1,000 | 13,000 | 64,800 | 32407.01 |
| 02.01.03.12 Concrete Pier Removal | 2.00 | EA | 59,000 | 0 | 3,500 | 5,000 | 1,400 | 17,200 | 86,200 | 43086.95 |
| 02.01.03.13 Granular Backfill | 885.00 | CY | 35,000 | 0 | 2,100 | 3,000 | 800 | 10,200 | 51,100 | 57.74 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 390,000 | 0 | 23,400 | 33,100 | 8,900 | 113,800 | 569,200 | 569189.55 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 500.00 | LF | 1,028,400 | 0 | 61,700 | 87,200 | 23,500 | 300,200 | 1,501,000 | 3002.08 |
| 02.01.05.02 Structure Excavation | 1648.00 | CY | 66,800 | 0 | 4,000 | 5,700 | 1,500 | 19,500 | 97,500 | 59.19 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 145.00 | CY | 29,700 | 0 | 1,800 | 2,500 | 700 | 8,700 | 43,300 | 298.85 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 145.00 | CY | 13,000 | 0 | 800 | 1,100 | 300 | 3,800 | 19,000 | 130.99 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 15,700 | 0 | 900 | 1,300 | 400 | 4,600 | 22,900 | 91.64 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 967,100 | 0 | 58,000 | 82,000 | 22,100 | 282,300 | 1,411,700 | 5646.68 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 100,400 | 0 | 6,000 | 8,500 | 2,300 | 29,300 | 146,500 | 796.34 |
| 02.01.05.08 Granular Fill | 1464.00 | CY | 53,400 | 0 | 3,200 | 4,500 | 1,200 | 15,600 | 78,000 | 53.29 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 2,274,600 | 0 | 136,500 | 192,900 | 52,100 | 664,000 | 3,320,000 | 1660012 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|-------------------------------------------|----------|-----|--------------|----------|----------|---------|--------|---------|------------|-----------|
| 02.01.06.01 | 222.00 | CY | 152,100 | 0 | 9,100 | 12,900 | 3,500 | 44,400 | 222,000 | 1000.20 |
| TOTAL BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |
| 02.01.07 | 2.00 | EA | 152,100 | 0 | 9,100 | 12,900 | 3,500 | 44,400 | 222,000 | 111022.60 |
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.07.01 | 11475.00 | SF | 1,359,400 | 0 | 81,600 | 115,300 | 31,100 | 396,800 | 1,984,200 | 172.91 |
| 02.01.07.02 | 11475.00 | SF | 843,800 | 0 | 50,600 | 71,600 | 19,300 | 246,300 | 1,231,600 | 107.33 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.08 | 11475.00 | SF | 2,203,100 | 0 | 132,200 | 186,800 | 50,400 | 643,200 | 3,215,800 | 280.24 |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.08.01 | 8370.00 | SF | 228,900 | 0 | 13,700 | 19,400 | 5,200 | 66,800 | 334,100 | 39.92 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.13 | 1.00 | JOB | 228,900 | 0 | 13,700 | 19,400 | 5,200 | 66,800 | 334,100 | 334146.09 |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.13.01 | 1.00 | EA | 12,900 | 0 | 800 | 1,100 | 300 | 3,800 | 18,800 | 18839.94 |
| TOTAL TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.19 | 1.00 | JOB | 12,900 | 0 | 800 | 1,100 | 300 | 3,800 | 18,800 | 18839.94 |
| 02.01.19 CONSTRUCT ROADDED TO SUBGRADE | | | | | | | | | | |
| 02.01.19.01 | 4232.00 | CY | 96,600 | 0 | 5,800 | 8,200 | 2,200 | 28,200 | 141,000 | 33.31 |
| TOTAL CONSTRUCT ROADDED TO SUBGRADE | | | | | | | | | | |
| 02.01.39 | 1.00 | JOB | 96,600 | 0 | 5,800 | 8,200 | 2,200 | 28,200 | 141,000 | 140980.30 |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39.01 | 121.00 | SY | 1,900 | 0 | 100 | 200 | 0 | 500 | 2,700 | 22.57 |
| 02.01.39.02 | 869.00 | LF | 3,500 | 0 | 200 | 300 | 100 | 1,000 | 5,100 | 5.92 |
| 02.01.39.03 | 317.00 | SY | 2,300 | 0 | 100 | 200 | 100 | 700 | 3,400 | 10.77 |
| 02.01.39.04 | 4620.00 | SF | 386,400 | 0 | 23,200 | 32,800 | 8,800 | 112,800 | 564,100 | 122.09 |
| 02.01.39.05 | 450.00 | CY | 18,200 | 0 | 1,100 | 1,500 | 400 | 5,300 | 26,600 | 59.19 |
| 02.01.39.06 | 417.00 | CY | 12,100 | 0 | 700 | 1,000 | 300 | 3,500 | 17,700 | 42.45 |
| 02.01.39.07 | 40.00 | CY | 8,200 | 0 | 500 | 700 | 200 | 2,400 | 12,000 | 298.85 |
| 02.01.39.08 | 40.00 | CY | 3,600 | 0 | 200 | 300 | 100 | 1,000 | 5,200 | 130.99 |
| 02.01.39.09 | 2116.00 | SY | 122,700 | 0 | 7,400 | 10,400 | 2,800 | 35,800 | 179,000 | 84.61 |
| 02.01.39.10 | 317.00 | SY | 12,800 | 0 | 800 | 1,100 | 300 | 3,700 | 18,700 | 59.07 |
| 02.01.39.11 | 1092.00 | SY | 306,400 | 0 | 18,400 | 26,000 | 7,000 | 89,400 | 447,200 | 409.50 |
| 02.01.39.12 | 134.00 | CY | 64,300 | 0 | 3,900 | 5,500 | 1,500 | 18,800 | 93,900 | 700.58 |
| TOTAL APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39 | 1.00 | JOB | 942,500 | 0 | 56,500 | 79,900 | 21,600 | 275,100 | 1,375,700 | 1375680 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|--------------|----------|----------|---------|---------|-----------|------------|-----------|
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.01.99.01 | 26.00 | MO | 2,331,800 | 0 | 139,900 | 197,700 | 53,400 | 680,700 | 3,403,500 | 130905.09 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 2,331,800 | 0 | 139,900 | 197,700 | 53,400 | 680,700 | 3,403,500 | 3403532 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| | 1.00 | JOB | 9,440,600 | 0 | 566,400 | 800,600 | 216,200 | 2,755,900 | 13,779,700 | 13779710 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 | 1.00 | EA | 1,031,200 | 0 | 61,900 | 87,400 | 23,600 | 301,000 | 1,505,200 | 1505198 |
| TOTAL UTILITIES | | | | | | | | | | |
| | 1.00 | JOB | 1,031,200 | 0 | 61,900 | 87,400 | 23,600 | 301,000 | 1,505,200 | 1505198 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 | 4.00 | MO | 358,800 | 0 | 21,500 | 30,400 | 8,200 | 104,700 | 523,700 | 130925.67 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 358,800 | 0 | 21,500 | 30,400 | 8,200 | 104,700 | 523,700 | 523702.68 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| | 1.00 | JOB | 1,390,000 | 0 | 83,400 | 117,900 | 31,800 | 405,800 | 2,028,900 | 2028900 |
| TOTAL RELOCATIONS | | | | | | | | | | |
| | 1.00 | JOB | 10,830,600 | 0 | 649,800 | 918,400 | 248,000 | 3,161,700 | 15,808,600 | 15808611 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 | 1.00 | EA | 9,300 | 0 | 600 | 800 | 200 | 2,700 | 13,500 | 13530.13 |
| TOTAL DRAINAGE | | | | | | | | | | |
| | 1.00 | JOB | 9,300 | 0 | 600 | 800 | 200 | 2,700 | 13,500 | 13530.13 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 | 170.00 | LF | 10,700 | 0 | 600 | 900 | 200 | 3,100 | 15,600 | 91.59 |
| 11.02.03.02 | 170.00 | LF | 657,800 | 0 | 39,500 | 55,800 | 15,100 | 192,000 | 960,100 | 5647.82 |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | | |
| | 1.00 | JOB | 668,500 | 0 | 40,100 | 56,700 | 15,300 | 195,100 | 975,700 | 975698.64 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 | 170.00 | LF | 382,000 | 0 | 22,900 | 32,400 | 8,700 | 111,500 | 557,600 | 3279.77 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 11.02.05.02 | 4590.00 | SF | 517,500 | 0 | 31,100 | 43,900 | 11,800 | 151,100 | 755,400 | 164.58 |
| 11.02.05.03 | 3087.00 | CY | 125,200 | 0 | 7,500 | 10,600 | 2,900 | 36,500 | 182,700 | 59.19 |
| 11.02.05.04 | 2856.00 | CY | 12,100 | 0 | 700 | 1,000 | 300 | 3,500 | 17,700 | 6.20 |
| 11.02.05.05 | 272.00 | CY | 55,700 | 0 | 3,300 | 4,700 | 1,300 | 16,300 | 81,300 | 298.85 |
| 11.02.05.06 | 272.00 | CY | 24,400 | 0 | 1,500 | 2,100 | 600 | 7,100 | 35,600 | 130.99 |
| TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 1,116,900 | 0 | 67,000 | 94,700 | 25,600 | 326,100 | 1,630,300 | 1630315 |
| 11.02.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01 | 7.00 | MO | 627,900 | 0 | 37,700 | 53,200 | 14,400 | 183,300 | 916,400 | 130918.03 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 627,900 | 0 | 37,700 | 53,200 | 14,400 | 183,300 | 916,400 | 916426.18 |
| TOTAL FLOODWALLS | 1.00 | JOB | 2,422,500 | 0 | 145,400 | 205,400 | 55,500 | 707,200 | 3,536,000 | 3535970 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 2,422,500 | 0 | 145,400 | 205,400 | 55,500 | 707,200 | 3,536,000 | 3535970 |
| 30 PLANNING, ENGINEERING AND DESIGN | | | | | | | | | | |
| 30.26 PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | | |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.26 PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | | |
| TOTAL SIERRA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 13,253,200 | 0 | 795,200 | 1,123,900 | 303,400 | 3,868,900 | 19,344,600 | 19344580 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 32,000 | 3,845,400 | 1,074,300 | 2,594,900 | 3,316,100 | 10,830,600 | 10830634 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 7,600 | 856,200 | 235,700 | 400,900 | 929,800 | 2,422,500 | 2422528 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | |
| TOTAL SIERRA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 39,500 | 4,701,600 | 1,310,000 | 2,995,700 | 4,245,900 | 13,253,200 | 13253162 |
| HOME OFFICE OVERHEAD (G & A) | 6.00 | % | | | | | | 795,200 | |
| SUBTOTAL | | | | | | | | 14,048,400 | |
| PROFIT | 8.00 | % | | | | | | 1,123,900 | |
| SUBTOTAL | | | | | | | | 15,172,200 | |
| BOND | 2.00 | % | | | | | | 303,400 | |
| SUBTOTAL | | | | | | | | 15,475,700 | |
| ESTIMATE/DESIGN CONTINGENCY | 25.00 | % | | | | | | 3,868,900 | |
| TOTAL INCL INDIRECTS | | | | | | | | 19,344,600 | |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------------|-----------|-----|---------|---------|----------|----------|-----------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 8.00 | EA | 100 | 5,100 | 2,800 | 0 | 0 | 8,000 | 995.36 |
| 02.01.03.02 Remove Pilasters | 8.00 | EA | 100 | 5,800 | 4,400 | 0 | 0 | 10,200 | 1275.83 |
| 02.01.03.03 Remove Bridge Railing | 270.00 | LF | 200 | 13,000 | 10,000 | 0 | 0 | 23,000 | 85.06 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 540.00 | LF | 0 | 600 | 200 | 0 | 0 | 800 | 1.53 |
| 02.01.03.05 Remove Asphalt Pavement | 2116.00 | SY | 0 | 2,400 | 1,300 | 0 | 1,400 | 5,200 | 2.43 |
| 02.01.03.06 Remove Sidewalk | 240.00 | SY | 0 | 2,400 | 1,300 | 0 | 500 | 4,200 | 17.35 |
| 02.01.03.07 Concrete Deck Removal | 210.00 | CY | 200 | 12,200 | 12,500 | 0 | 2,700 | 27,300 | 129.99 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 700 | 37,100 | 38,000 | 0 | 0 | 75,100 | 1877.22 |
| 02.01.03.09 Structural Steel Removal | 323700.00 | LB | 700 | 37,500 | 38,400 | 0 | 0 | 75,900 | 0.23 |
| 02.01.03.10 Structure Excavation | 430.00 | CY | 300 | 12,000 | 9,900 | 0 | 0 | 21,900 | 50.92 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 400 | 20,800 | 19,700 | 0 | 3,900 | 44,400 | 22202.36 |
| 02.01.03.12 Concrete Pier Removal | 2.00 | EA | 600 | 27,900 | 26,500 | 0 | 4,700 | 59,000 | 29519.30 |
| 02.01.03.13 Granular Backfill | 885.00 | CY | 200 | 8,600 | 7,000 | 19,400 | 0 | 35,000 | 39.56 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 3,700 | 185,300 | 172,000 | 19,400 | 13,200 | 390,000 | 389957.35 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 500.00 | LF | 2,600 | 236,900 | 24,600 | 301,700 | 465,100 | 1,028,400 | 2056.75 |
| 02.01.05.02 Structure Excavation | 1648.00 | CY | 900 | 36,700 | 30,100 | 0 | 0 | 66,800 | 40.55 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 145.00 | CY | 100 | 4,400 | 3,600 | 0 | 21,800 | 29,700 | 204.74 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 145.00 | CY | 100 | 4,400 | 3,600 | 0 | 5,100 | 13,000 | 89.74 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 200 | 10,100 | 1,700 | 3,900 | 0 | 15,700 | 62.79 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 2,900 | 114,200 | 5,400 | 156,200 | 691,400 | 967,100 | 3868.60 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 500 | 35,000 | 5,800 | 59,700 | 0 | 100,400 | 545.58 |
| 02.01.05.08 Granular Fill | 1464.00 | CY | 400 | 16,700 | 7,400 | 29,400 | 0 | 53,400 | 36.51 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 7,700 | 458,200 | 82,100 | 550,900 | 1,183,300 | 2,274,600 | 1137291 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------|---------|----------|-----------|---------|------------|-----------|
| 02.01.06.01 Concrete Abutment Wall | 222.00 | CY | 1,400 | 71,800 | 16,900 | 63,400 | 0 | 152,100 | 685.25 |
| TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 1,400 | 71,800 | 16,900 | 63,400 | 0 | 152,100 | 76062.68 |
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | |
| 02.01.07.01 Bridge Superstructure | 11475.00 | SF | 4,100 | 268,900 | 83,400 | 1,007,100 | 0 | 1,359,400 | 118.47 |
| 02.01.07.02 Bridge Deck | 11475.00 | SF | 7,800 | 406,400 | 94,500 | 342,900 | 0 | 843,800 | 73.53 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | 11475.00 | SF | 11,900 | 675,200 | 177,900 | 1,350,000 | 0 | 2,203,100 | 192.00 |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | |
| 02.01.08.01 Bridge General Items | 8370.00 | SF | 400 | 24,800 | 9,900 | 39,100 | 155,100 | 228,900 | 27.35 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 400 | 24,800 | 9,900 | 39,100 | 155,100 | 228,900 | 228926.77 |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | |
| 02.01.13.01 Sitework | 1.00 | EA | 100 | 4,500 | 0 | 8,400 | 0 | 12,900 | 12907.43 |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 100 | 4,500 | 0 | 8,400 | 0 | 12,900 | 12907.43 |
| 02.01.19 CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | |
| 02.01.19.01 Roadway Backfill | 4232.00 | CY | 100 | 7,600 | 7,900 | 81,200 | 0 | 96,600 | 22.82 |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 100 | 7,600 | 7,900 | 81,200 | 0 | 96,600 | 96586.99 |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | |
| 02.01.39.01 Removal of Concrete Pavement | 121.00 | SY | 0 | 800 | 600 | 0 | 400 | 1,900 | 15.47 |
| 02.01.39.02 Removal of Curb | 869.00 | LF | 0 | 1,900 | 1,400 | 0 | 200 | 3,500 | 4.05 |
| 02.01.39.03 Removal of Sidewalk | 317.00 | SY | 0 | 1,100 | 800 | 0 | 400 | 2,300 | 7.38 |
| 02.01.39.04 Retaining Walls | 4620.00 | SF | 2,800 | 159,300 | 32,500 | 194,600 | 0 | 386,400 | 83.64 |
| 02.01.39.05 Structure Excavation | 450.00 | CY | 200 | 10,000 | 8,200 | 0 | 0 | 18,200 | 40.55 |
| 02.01.39.06 Granular Backfill | 417.00 | CY | 100 | 3,000 | 2,500 | 6,700 | 0 | 12,100 | 29.09 |
| 02.01.39.07 Struct Excav & Dispos Hazardous | 40.00 | CY | 0 | 1,200 | 1,000 | 0 | 6,000 | 8,200 | 204.74 |
| 02.01.39.08 Struct Excav & Dispos Non-Haz | 40.00 | CY | 0 | 1,200 | 1,000 | 0 | 1,400 | 3,600 | 89.74 |
| 02.01.39.09 Asphalt Pavement | 2116.00 | SY | 400 | 25,200 | 11,500 | 86,000 | 0 | 122,700 | 57.96 |
| 02.01.39.10 Sidewalk | 317.00 | SY | 100 | 3,800 | 800 | 8,200 | 0 | 12,800 | 40.47 |
| 02.01.39.11 Concrete Pedestrian Ramp | 1092.00 | SY | 2,700 | 139,400 | 33,000 | 134,000 | 0 | 306,400 | 280.56 |
| 02.01.39.12 Bridge Approach Slab | 134.00 | CY | 300 | 19,100 | 3,000 | 42,200 | 0 | 64,300 | 479.97 |
| TOTAL APPROACH ROADWAY | 1.00 | JOB | 6,600 | 366,000 | 96,400 | 471,600 | 8,500 | 942,500 | 942492.06 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 02.01.99 | | | | | | | | | |
| ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 02.01.99.01 | 26.00 | MO | 100 | 1,778,300 | 443,000 | 9,400 | 101,100 | 2,331,800 | 89684.36 |
| | | | | | | | | | |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| | 1.00 | JOB | 100 | 1,778,300 | 443,000 | 9,400 | 101,100 | 2,331,800 | 2331793 |
| | | | | | | | | | |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
| | 1.00 | JOB | 32,000 | 3,571,800 | 1,006,100 | 2,593,400 | 2,269,300 | 9,440,600 | 9440615 |
| 02.03 | | | | | | | | | |
| CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | |
| 02.03.18 | | | | | | | | | |
| UTILITIES | | | | | | | | | |
| 02.03.18.01 | 1.00 | EA | 0 | 0 | 0 | 0 | 1,031,200 | 1,031,200 | 1031226 |
| | | | | | | | | | |
| TOTAL UTILITIES | | | | | | | | | |
| | 1.00 | JOB | 0 | 0 | 0 | 0 | 1,031,200 | 1,031,200 | 1031226 |
| 02.03.99 | | | | | | | | | |
| ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 02.03.99.01 | 4.00 | MO | 0 | 273,600 | 68,200 | 1,400 | 15,600 | 358,800 | 89698.46 |
| | | | | | | | | | |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| | 1.00 | JOB | 0 | 273,600 | 68,200 | 1,400 | 15,600 | 358,800 | 358793.85 |
| | | | | | | | | | |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | |
| | 1.00 | JOB | 0 | 273,600 | 68,200 | 1,400 | 1,046,800 | 1,390,000 | 1390020 |
| | | | | | | | | | |
| TOTAL RELOCATIONS | | | | | | | | | |
| | 1.00 | JOB | 32,000 | 3,845,400 | 1,074,300 | 2,594,900 | 3,316,100 | 10,830,600 | 10830634 |
| 11 | | | | | | | | | |
| LEVEES AND FLOODWALLS | | | | | | | | | |
| 11.02 | | | | | | | | | |
| FLOODWALLS | | | | | | | | | |
| 11.02.02 | | | | | | | | | |
| DRAINAGE | | | | | | | | | |
| 11.02.02.01 | 1.00 | EA | 100 | 3,100 | 600 | 5,500 | 0 | 9,300 | 9269.63 |
| | | | | | | | | | |
| TOTAL DRAINAGE | | | | | | | | | |
| | 1.00 | JOB | 100 | 3,100 | 600 | 5,500 | 0 | 9,300 | 9269.63 |
| 11.02.03 | | | | | | | | | |
| CARE & DIVERSION OF WATER | | | | | | | | | |
| 11.02.03.01 | 170.00 | LF | 100 | 6,900 | 1,100 | 2,700 | 0 | 10,700 | 62.75 |
| | | | | | | | | | |
| 11.02.03.02 | 170.00 | LF | 2,000 | 77,600 | 3,700 | 106,200 | 470,300 | 657,800 | 3869.38 |
| | | | | | | | | | |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | |
| | 1.00 | JOB | 2,100 | 84,500 | 4,800 | 108,900 | 470,300 | 668,500 | 668460.72 |
| 11.02.05 | | | | | | | | | |
| FLOODWALL CONSTRUCTION | | | | | | | | | |
| 11.02.05.01 | 170.00 | LF | 0 | 0 | 0 | 0 | 382,000 | 382,000 | 2247.00 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 11.02.05.02 | 4590.00 | SF | 3,300 | 201,700 | 38,600 | 277,200 | 0 | 517,500 | 112.76 |
| 11.02.05.03 | 3087.00 | CY | 1,600 | 68,700 | 56,400 | 0 | 0 | 125,200 | 40.55 |
| 11.02.05.04 | 2856.00 | CY | 100 | 3,000 | 2,500 | 6,700 | 0 | 12,100 | 4.25 |
| 11.02.05.05 | 272.00 | CY | 200 | 8,200 | 6,700 | 0 | 40,800 | 55,700 | 204.74 |
| 11.02.05.06 | 272.00 | CY | 200 | 8,200 | 6,700 | 0 | 9,500 | 24,400 | 89.74 |
| TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 5,400 | 289,800 | 110,900 | 283,900 | 432,300 | 1,116,900 | 1116945 |
| 11.02.99 | | | | | | | | | |
| 11.02.99.01 | 7.00 | MO | 0 | 478,800 | 119,300 | 2,500 | 27,200 | 627,900 | 89693.23 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 0 | 478,800 | 119,300 | 2,500 | 27,200 | 627,900 | 627852.58 |
| TOTAL FLOODWALLS | 1.00 | JOB | 7,600 | 856,200 | 235,700 | 400,900 | 929,800 | 2,422,500 | 2422528 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 7,600 | 856,200 | 235,700 | 400,900 | 929,800 | 2,422,500 | 2422528 |
| 30 | | | | | | | | | |
| 30.26 | | | | | | | | | |
| 31 | | | | | | | | | |
| 31.26 | | | | | | | | | |
| TOTAL SIERRA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 39,500 | 4,701,600 | 1,310,000 | 2,995,700 | 4,245,900 | 13,253,200 | 13253162 |
| HOME OFFICE OVERHEAD (G & A) | 6.00 | % | | | | | | 795,200 | |
| SUBTOTAL | | | | | | | | 14,048,400 | |
| PROFIT | 8.00 | % | | | | | | 1,123,900 | |
| SUBTOTAL | | | | | | | | 15,172,200 | |
| BOND | 2.00 | % | | | | | | 303,400 | |
| SUBTOTAL | | | | | | | | 15,475,700 | |
| ESTIMATE/DESIGN CONTINGENCY | 25.00 | % | | | | | | 3,868,900 | |
| TOTAL INCL INDIRECTS | | | | | | | | 19,344,600 | |

** CONTRACTOR DIRECT SUMMARY - CONTRACT (Rounded to 100's) **

QUANTITY UOM MANHOUR LABOR EQUIPMNT MATERIAL OTHER TOTAL COST

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST |
|--------------------------------------------------|----------|--------|-----------|-----------|-----------|-----------|-----------|------------|
| AA PRIME CONTRACTOR | | | | | | | | |
| FE Fence - Subcontractor | 1.00 | JOB | 100 | 3,300 | 0 | 3,300 | 0 | 6,500 |
| PM Pavement Marking - Subcontractor | 1.00 | JOB | 0 | 1,400 | 1,100 | 1,500 | 0 | 4,000 |
| EL Electrical - Subcontractor | 1.00 | JOB | 300 | 14,100 | 7,800 | 0 | 41,900 | 63,700 |
| UT Util.Gas,Water,Sewer - Subcontr | 1.00 | JOB | 0 | 0 | 0 | 0 | 728,700 | 728,700 |
| SP A/C Pavement - Subcontractor | 1.00 | JOB | 400 | 18,600 | 8,500 | 63,400 | 0 | 90,500 |
| ST Reinforcing/Steel - Subcontractr | 1.00 | JOB | 5,300 | 357,000 | 37,100 | 512,500 | 0 | 906,600 |
| SB Sign & Barricade - Subcontractor | 1.00 | JOB | 0 | 100 | 0 | 3,100 | 0 | 3,200 |
| DS Drilled Shaft - Subcontractor | 1.00 | JOB | 0 | 0 | 0 | 0 | 362,500 | 362,500 |
| ----- | | | | | | | | |
| Subtotal Subcontract Work | 1.00 | JOB | 6,100 | 394,500 | 54,400 | 583,700 | 1,133,100 | 2,165,700 |
| ----- | | | | | | | | |
| Subcontracts Incl Indirect Contractor's Own Work | 1.00 | JOB | 6,100 | 532,800 | 73,300 | 789,400 | 1,551,000 | 2,946,600 |
| 1.00 | JOB | 25,800 | 3,312,600 | 1,001,000 | 1,805,500 | 1,765,000 | 0 | 7,884,100 |
| ----- | | | | | | | | |
| AA PRIME CONTRACTOR | 1.00 | JOB | 32,000 | 3,845,400 | 1,074,300 | 2,594,900 | 3,316,100 | 10,830,600 |
| ----- | | | | | | | | |
| AA PRIME CONTRACTOR | | | | | | | | |
| ST Reinforcing/Steel - Subcontractr | 1.00 | JOB | 1,100 | 72,100 | 7,500 | 99,200 | 0 | 178,800 |
| ----- | | | | | | | | |
| Subtotal Subcontract Work | 1.00 | JOB | 1,100 | 72,100 | 7,500 | 99,200 | 0 | 178,800 |
| ----- | | | | | | | | |
| Subcontracts Incl Indirect Contractor's Own Work | 1.00 | JOB | 1,100 | 97,500 | 10,100 | 134,200 | 0 | 241,800 |
| 1.00 | JOB | 6,500 | 758,700 | 225,500 | 266,700 | 929,800 | 0 | 2,180,700 |
| ----- | | | | | | | | |
| AA PRIME CONTRACTOR | 1.00 | JOB | 7,600 | 856,200 | 235,700 | 400,900 | 929,800 | 2,422,500 |

11. LEVEES AND FLOODWALLS

30. PLANNING, ENGINEERING AND DESIGN
31. CONSTRUCTION MANAGEMENT

URS Corporation
 PROJECT RBSS02: SIERRA STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 01. LANDS AND DAMAGES

| 01.18. GENERAL REEVALUATION REPORT (GRR) | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|----------|-----|---------|-------|----------|----------|-------|------------|-----------|
| 01. LANDS AND DAMAGES | | | | | | | | | |
| 01.18. GENERAL REEVALUATION REPORT (GRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL GENERAL REEVALUATION REPORT (GRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.19. LIMITED REEVALUATION REPORT (LRR) | | | | | | | | | |
| 01.19. LIMITED REEVALUATION REPORT (LRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LIMITED REEVALUATION REPORT (LRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.20. PROJECT DESIGN MEMORANDUM (PDM) | | | | | | | | | |
| 01.20. PROJECT DESIGN MEMORANDUM (PDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT DESIGN MEMORANDUM (PDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.21. FEATURE DESIGN MEMORANDUM (FDM) | | | | | | | | | |
| 01.21. FEATURE DESIGN MEMORANDUM (FDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL FEATURE DESIGN MEMORANDUM (FDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.23. PURCHASE RIGHT-OF-WAY | | | | | | | | | |
| 01.23. PURCHASE RIGHT-OF-WAY | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PURCHASE RIGHT-OF-WAY | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LANDS AND DAMAGES | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

02. RELOCATIONS

02.01. ROADS, CONSTRUCTION ACTIVITIES

02.01.01. MOB, DEMOB & PREP WORK

02.01.01.01. Mob/Demob & Prep Work

| DESCRIPTION | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------------------|----------|-----|---------|--------|----------|----------|-----------|------------|-----------|
| USR AA < 628 0004 > Mob & Demob Contractor & Subs | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 510100.00 | 510100.00 | 510100.00 |
| USR AA < 628 0004 > Water Quality | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 75000.00 | 75000.00 | 75000.00 |
| USR AA < 628 0004 > Final Contract Closeout | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 55000.00 | 55000.00 | 55000.00 |
| USR AA < 628 0004 > Service Connection Fees | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 21300.00 | 21300.00 | 21300.00 |
| USR AA < 628 0004 > Permits | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 40500.00 | 40500.00 | 40500.00 |
| USR AA < 628 0004 > Maintain Exit Haul Routes | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 22000.00 | 22000.00 | 22000.00 |
| USR AA < 628 0004 > Material Testing | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 24200.00 | 24200.00 | 24200.00 |
| USR AA < 628 0004 > SWPP- Erosion & Sediment Control | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 25000.00 | 25000.00 | 25000.00 |
| USR AA < 628 0004 > Draft & Final Contr. Submittals | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 35000.00 | 35000.00 | 35000.00 |
| TOTAL Mob/Demob & Prep Work | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808,100 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808,100 |
| 02.01.03. DEMOLITION/BRIDGE REMOVAL | | | | | | | | | |
| 02.01.03.01. Remove Light Fixture | 8.00 | EA | 10.00 | 491.50 | 270.43 | 0.00 | 0.00 | 761.93 | 761.93 |
| USR EL < 202 0008 > Remove Light Fixtures | 8.00 | EA | 80 | 5,137 | 2,826 | 0 | 0 | 7,963 | 995.36 |
| TOTAL Remove Light Fixture | 8.00 | EA | 80 | 5,137 | 2,826 | 0 | 0 | 7,963 | 995.36 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|------------|-------------------------------|-------|----------|----------|-------|------------|-----------|
| 02.01.03.02. Remove Pilasters | | | | | | | | |
| USR AA < | 202 0008 > | Remove Pilasters | 13.33 | 719.77 | 556.07 | 0.00 | 0.00 | 1275.83 |
| 8.00 | EA | | 107 | 5,758 | 4,449 | 0 | 0 | 10,207 |
| TOTAL Remove Pilasters | | | | | | | | |
| 8.00 | EA | | 107 | 5,758 | 4,449 | 0 | 0 | 10,207 |
| 02.01.03.03. Remove Bridge Railing | | | | | | | | |
| USR AA < | 202 1236 > | Remove Bridge Railing | 0.89 | 47.98 | 37.07 | 0.00 | 0.00 | 85.06 |
| 270.00 | LF | | 240 | 12,956 | 10,009 | 0 | 0 | 22,965 |
| TOTAL Remove Bridge Railing | | | | | | | | |
| 270.00 | LF | | 240 | 12,956 | 10,009 | 0 | 0 | 22,965 |
| 02.01.03.04. Saw Cut Asphalt Pavement | | | | | | | | |
| USR AA < | 202 0038 > | Saw Cut Asphalt Pavement - 3" | 0.03 | 1.16 | 0.37 | 0.00 | 0.00 | 1.53 |
| 540.00 | LF | | 16 | 627 | 201 | 0 | 0 | 828 |
| TOTAL Saw Cut Asphalt Pavement | | | | | | | | |
| 540.00 | LF | | 16 | 627 | 201 | 0 | 0 | 828 |
| 02.01.03.05. Remove Asphalt Pavement | | | | | | | | |
| USR AA < | 202 2128 > | Remove Asphalt Pavement - 3" | 0.02 | 1.14 | 0.63 | 0.00 | 0.00 | 1.76 |
| 2116.00 | SY | | 49 | 2,407 | 1,325 | 0 | 0 | 3,732 |
| TOTAL Remove Asphalt Pavement | | | | | | | | |
| 2116.00 | SY | | 49 | 2,407 | 1,325 | 0 | 0 | 3,732 |
| 02.01.03.06. Remove Sidewalk | | | | | | | | |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| 224.00 | LCY | | 0 | 0 | 0 | 1,418 | 1,418 | 6.33 |
| TOTAL Remove Sidewalk | | | | | | | | |
| 2116.00 | SY | | 49 | 2,407 | 1,325 | 0 | 1,418 | 5,150 |
| 02.01.03.06. Remove Sidewalk | | | | | | | | |
| USR AA < | 202 2128 > | Remove Concrete Sidewalk | 0.20 | 9.83 | 5.41 | 0.00 | 0.00 | 15.24 |
| 240.00 | SY | | 48 | 2,359 | 1,298 | 0 | 0 | 3,657 |
| TOTAL Remove Sidewalk | | | | | | | | |
| 240.00 | SY | | 48 | 2,359 | 1,298 | 0 | 0 | 3,657 |
| 02.01.03.07. Concrete Deck Removal | | | | | | | | |
| USR AA < | 202 0008 > | Concrete Removal | 1.08 | 58.00 | 59.33 | 0.00 | 0.00 | 117.33 |
| 210.00 | CY | | 227 | 12,179 | 12,459 | 0 | 0 | 24,638 |
| TOTAL Remove Sidewalk | | | | | | | | |
| 240.00 | SY | | 48 | 2,359 | 1,298 | 0 | 506 | 4,164 |

URS Corporation
 PROJECT RBSS02: SIERRA STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 02. RELOCATIONS

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|-----------------------------------------------------|--------|-----|---------|--------|----------|----------|-------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| USR AA < 202 0038 > Disposal Fee; based on quote | 420.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 | |
| TOTAL Concrete Deck Removal | 210.00 | CY | 227 | 12,179 | 12,459 | 0 | 2,659 | 27,297 | 129.99 | |
| 02.01.03.08. Bridge Bearings Removal | | | | | | | | | | |
| USR AA < 202 0021 > Bridge Bearing Removal | 40.00 | EA | 17.33 | 927.95 | 949.27 | 0.00 | 0.00 | 1877.22 | 1877.22 | |
| TOTAL Bridge Bearings Removal | 40.00 | EA | 693 | 37,118 | 37,971 | 0 | 0 | 75,089 | 1877.22 | |
| 02.01.03.09. Structural Steel Removal | | | | | | | | | | |
| USR AA < 202 0008 > Structural Steel Removal | 323700 | LB | 0.00 | 0.12 | 0.12 | 0.00 | 0.00 | 0.23 | 0.23 | |
| TOTAL Structural Steel Removal | 323700 | LB | 712 | 37,530 | 38,417 | 0 | 0 | 75,946 | 0.23 | |
| 02.01.03.10. Structure Excavation | | | | | | | | | | |
| USR AA < 206 0500 > North Abut Structure Excavation | 200.00 | LCY | 0.44 | 18.79 | 15.43 | 0.00 | 0.00 | 34.21 | 34.21 | |
| USR AA < 206 0500 > South Abut Structure Excavation | 200.00 | LCY | 88 | 3,757 | 3,085 | 0 | 0 | 6,843 | 34.21 | |
| USR AA < 206 0500 > North Pier Structure Excavation | 120.00 | LCY | 0.44 | 18.79 | 15.43 | 0.00 | 0.00 | 34.21 | 34.21 | |
| USR AA < 206 0500 > South Pier Structure Excavation | 120.00 | LCY | 88 | 3,757 | 3,085 | 0 | 0 | 6,843 | 34.21 | |
| TOTAL Structure Excavation | 430.00 | CY | 280 | 12,024 | 9,873 | 0 | 0 | 21,897 | 50.92 | |
| 02.01.03.11. Concrete Abutment Removal | | | | | | | | | | |
| USR AA < 202 0008 > North Concrete Abutment Removal | 310.00 | LCY | 0.72 | 33.51 | 31.78 | 0.00 | 0.00 | 65.29 | 65.29 | |
| USR AA < 202 0038 > Disposal Fee; based on quote | 310.00 | LCY | 224 | 10,389 | 9,851 | 0 | 0 | 20,240 | 65.29 | |
| USR AA < 202 0008 > South Abutment Concrete Removal | 310.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 | |
| TOTAL Concrete Abutment Removal | 310.00 | LCY | 0 | 0 | 0 | 0 | 1,962 | 1,962 | 6.33 | |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------|------------|------------------------------|-------|----------|----------|-------|------------|-----------|
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| 310.00 | LCY | | 0 | 0 | 0 | 1,962 | 1,962 | 6.33 |
| TOTAL Concrete Abutment Removal | | | | | | | | |
| 2.00 | EA | | 448 | 19,702 | 0 | 3,925 | 44,405 | 22202.36 |
| 02.01.03.12. Concrete Pier Removal | | | | | | | | |
| USR AA < | 202 0008 > | North Concrete Pier Removal | 0.81 | 37.70 | 35.75 | 0.00 | 73.45 | 73.45 |
| 370.00 | LCY | | 301 | 13,950 | 13,228 | 0 | 27,177 | 73.45 |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| 370.00 | LCY | | 0 | 0 | 0 | 2,342 | 2,342 | 6.33 |
| USR AA < | 202 0008 > | South Concrete Pier Removal | 0.81 | 37.70 | 35.75 | 0.00 | 73.45 | 73.45 |
| 370.00 | LCY | | 301 | 13,950 | 13,228 | 0 | 27,177 | 73.45 |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| 370.00 | LCY | | 0 | 0 | 0 | 2,342 | 2,342 | 6.33 |
| TOTAL Concrete Pier Removal | | | | | | | | |
| 2.00 | EA | | 601 | 27,899 | 26,455 | 4,684 | 59,039 | 29519.30 |

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------|------------|-------------------------|-------|----------|----------|--------|------------|-----------|
| 02.01.03.13. Granular Backfill | | | | | | | | |
| USR AA < | 207 2004 > | North Abutment Backfill | 0.21 | 8.84 | 7.26 | 20.07 | 36.17 | 36.17 |
| 278.00 | LCY | | 57 | 2,458 | 2,018 | 5,578 | 10,054 | 36.17 |
| USR AA < | 207 2004 > | South Abutment Backfill | 0.21 | 8.84 | 7.26 | 20.07 | 36.17 | 36.17 |
| 278.00 | LCY | | 57 | 2,458 | 2,018 | 5,578 | 10,054 | 36.17 |
| USR AA < | 207 2004 > | North Pier Backfill | 0.21 | 8.84 | 7.26 | 20.07 | 36.17 | 36.17 |
| 206.00 | LCY | | 42 | 1,821 | 1,496 | 4,133 | 7,450 | 36.17 |
| USR AA < | 207 2004 > | South Pier Backfill | 0.21 | 8.84 | 7.26 | 20.07 | 36.17 | 36.17 |
| 206.00 | LCY | | 42 | 1,821 | 1,496 | 4,133 | 7,450 | 36.17 |
| TOTAL Granular Backfill | | | | | | | | |
| 885.00 | CY | | 199 | 8,558 | 7,027 | 19,423 | 35,009 | 39.56 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | | | | | | | | |
| 1.00 | JOB | | 3,701 | 185,330 | 172,012 | 13,192 | 389,957 | 389957.35 |

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------------------------------|------------|---------------------------------|-------|----------|----------|---------|------------|-----------|
| 02.01.05. BRIDGES, FOUNDATIONS | | | | | | | | |
| 02.01.05.01. Abutment Drilled Shaft | | | | | | | | |
| USR DS < | 508 0596 > | Drilling & Placing Conc & Reinf | 0.00 | 0.00 | 0.00 | 725.00 | 725.00 | 725.00 |
| 500.00 | LF | | 0 | 0 | 0 | 465,102 | 465,102 | 930.20 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| USR ST < | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------------------|---------|-----|---------|---------|----------|----------|---------|------------|-----------|
| 505 0500 > Drilled Shaft Reinforcing Steel | 145.40 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | 2,617 | | 2,617 | 236,947 | 24,606 | 301,721 | 0 | 563,274 | |
| TOTAL Abutment Drilled Shaft | 500.00 | LF | 2,617 | 236,947 | 24,606 | 301,721 | 465,102 | 1,028,376 | 2056.75 |
| 02.01.05.02. Structure Excavation | | | | | | | | | |
| USR AA < 206 0500 > Structural Excavation | 1648.00 | CY | 0.52 | 22.27 | 18.28 | 0.00 | 0.00 | 40.55 | 40.55 |
| | 854 | | 854 | 36,695 | 30,132 | 0 | 0 | 66,827 | |
| TOTAL Structure Excavation | 1648.00 | CY | 854 | 36,695 | 30,132 | 0 | 0 | 66,827 | 40.55 |
| 02.01.05.03. Struct Excav & Dispos Hazardous | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Hazardous | 145.00 | CY | 0.70 | 30.06 | 24.68 | 0.00 | 150.00 | 204.74 | 204.74 |
| | 102 | | 102 | 4,359 | 3,579 | 0 | 21,750 | 29,688 | |
| TOTAL Struct Excav & Dispos Hazardous | 145.00 | CY | 102 | 4,359 | 3,579 | 0 | 21,750 | 29,688 | 204.74 |
| 02.01.05.04. Struct Excav & Dispos Non-Haz | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Non-Haz | 145.00 | CY | 0.70 | 30.06 | 24.68 | 0.00 | 35.00 | 89.74 | 89.74 |
| | 102 | | 102 | 4,359 | 3,579 | 0 | 5,075 | 13,013 | |
| TOTAL Struct Excav & Dispos Non-Haz | 145.00 | CY | 102 | 4,359 | 3,579 | 0 | 5,075 | 13,013 | 89.74 |
| 02.01.05.05. Low Profile Cofferdam | | | | | | | | | |
| USR AA < 637 XXXX > Jersey Barrier Cofferdam | 250.00 | LF | 0.50 | 26.71 | 4.24 | 14.32 | 0.00 | 45.26 | 45.26 |
| | 125 | | 125 | 6,677 | 1,059 | 3,579 | 0 | 11,315 | |
| USR AA < 637 XXXX > Remove Cofferdam | 250.00 | LF | 0.25 | 13.35 | 2.12 | 0.00 | 0.00 | 15.48 | 15.48 |
| | 63 | | 63 | 3,339 | 531 | 0 | 0 | 3,870 | |
| USR AA < 637 XXXX > Load & Haul to Disposal Sandbags | 18.00 | CY | 0.08 | 4.60 | 4.32 | 19.52 | 0.00 | 28.44 | 28.44 |
| | 1 | | 1 | 83 | 78 | 351 | 0 | 512 | |
| TOTAL Low Profile Cofferdam | 250.00 | LF | 189 | 10,098 | 1,668 | 3,931 | 0 | 15,697 | 62.79 |
| 02.01.05.06. Dewatering Cofferdam | | | | | | | | | |
| USR AA < 637 XXXX > Dewatering & Water Treatment | 250.00 | LF | 11.62 | 456.67 | 21.62 | 624.91 | 0.00 | 1103.20 | 1103.20 |
| | 2,905 | | 2,905 | 114,166 | 5,406 | 156,227 | 0 | 275,800 | |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| USR | AA < | 637 XXXX > | Treatment & Discharge of Water | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|------|------------|----------------------------------------|---------|-----|---------|---------|----------|----------|-----------|------------|-----------|
| | | | | 419.00 | MG | 0.00 | 0.00 | 0.00 | 0.00 | 1650.00 | 1650.00 | |
| | | | | 0 | | 0 | 0 | 0 | 0 | 691,350 | 691,350 | 1650.00 |
| | | | TOTAL Dewatering Cofferdam | 250.00 | LF | 2,905 | 114,166 | 5,406 | 156,227 | 691,350 | 967,150 | 3868.60 |
| 02.01.05.07. Abutement Footing Concrete | | | | | | | | | | | | |
| | | | | 1371.00 | SF | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | |
| | | | | 215 | | 215 | 10,012 | 2,724 | 3,236 | 0 | 15,973 | 11.65 |
| | | | | 13.80 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | |
| | | | | 248 | | 248 | 22,489 | 2,335 | 28,637 | 0 | 53,461 | 3873.96 |
| | | | TOTAL Abutment Footing Reinforcing Stl | 184.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | |
| | | | | 59 | | 59 | 2,458 | 697 | 27,798 | 0 | 30,953 | 168.22 |
| | | | TOTAL Abutement Footing Concrete | 184.00 | CY | 523 | 34,959 | 5,756 | 59,671 | 0 | 100,386 | 545.58 |
| 02.01.05.08. Granular Fill | | | | | | | | | | | | |
| | | | | 1464.00 | LCY | 0.26 | 11.38 | 5.07 | 20.07 | 0.00 | 36.51 | |
| | | | | 378 | | 378 | 16,654 | 7,417 | 29,375 | 0 | 53,446 | 36.51 |
| | | | TOTAL Granular Fill | 1464.00 | CY | 378 | 16,654 | 7,417 | 29,375 | 0 | 53,446 | 36.51 |
| | | | TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 7,669 | 458,236 | 82,143 | 550,926 | 1,183,277 | 2,274,581 | 1137291 |
| 02.01.06. BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | | | |
| 02.01.06.01. Concrete Abutment Wall | | | | | | | | | | | | |
| | | | | 4151.00 | SF | 0.28 | 12.78 | 3.48 | 2.36 | 0.00 | 18.62 | |
| | | | | 1,142 | | 1,142 | 53,051 | 14,433 | 9,799 | 0 | 77,283 | 18.62 |
| | | | TOTAL Abutment Wall Reinforcing Steel | 9.68 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | |
| | | | | 174 | | 174 | 15,773 | 1,638 | 20,085 | 0 | 37,497 | 3873.96 |
| | | | TOTAL Abutment Wall Concrete | 222.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | |
| | | | | 71 | | 71 | 2,965 | 841 | 33,539 | 0 | 37,345 | 168.22 |
| | | | TOTAL Concrete Abutment Wall | 222.00 | CY | 1,387 | 71,790 | 16,912 | 63,424 | 0 | 152,125 | 685.25 |
| | | | TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 1,387 | 71,790 | 16,912 | 63,424 | 0 | 152,125 | 76062.68 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| 02.01.07. BRIDGES, SUPERSTRUCTURE & DECK | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------------------------------------------------|---------|-----|---------|---------|----------|-----------|-------|------------|-----------|
| 02.01.07.01. Bridge Superstructure | | | | | | | | | |
| USR AA < 506 0000 > Structural Steel | 480940 | LB | 3,799 | 250,392 | 77,681 | 936,628 | 0 | 1,264,701 | 2.63 |
| USR AA < 506 XXXX > 2.5-Inch Structural Strands | 11826 | LB | 281 | 18,471 | 5,732 | 70,489 | 0 | 94,692 | 8.01 |
| TOTAL Bridge Superstructure | 11475 | SF | 4,081 | 268,863 | 83,413 | 1,007,117 | 0 | 1,359,393 | 118.47 |
| 02.01.07.02. Bridge Deck | | | | | | | | | |
| USR AA < 502 0864 > Deck Forms | 11475 | SF | 2,525 | 117,324 | 31,919 | 27,088 | 0 | 176,330 | 15.37 |
| USR ST < 505 0502 > Deck Reinforcing Steel Epoxy | 36.45 | TON | 18.00 | 1204.98 | 125.14 | 1982.90 | 0.00 | 3313.02 | 4480.53 |
| USR AA < 502 0864 > Deck Concrete | 324.00 | CY | 130 | 5,409 | 1,534 | 48,949 | 0 | 55,893 | 172.51 |
| USR AA < 502 0864 > End Diaphragm Forms | 8411.00 | SF | 1,850 | 85,996 | 23,396 | 19,855 | 0 | 129,247 | 15.37 |
| USR ST < 505 0500 > End Diaphragm Reinforcing Steel | 4.20 | TON | 18.00 | 1204.98 | 125.13 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| USR ST < 505 0502 > End Diaphragm Reinforcg Stl Epoxy | 6.30 | TON | 113 | 10,267 | 1,066 | 16,895 | 0 | 28,227 | 4480.53 |
| USR AA < 502 0864 > End Diaphragm Concrete | 140.00 | CY | 112 | 4,675 | 1,326 | 21,151 | 0 | 27,151 | 193.94 |
| USR AA < 502 0864 > Tie Beam Forms | 5767.00 | SF | 1,269 | 58,965 | 16,041 | 13,614 | 0 | 88,620 | 15.37 |
| USR ST < 505 0500 > Tie Beam Reinforcing Steel | 2.40 | TON | 18.00 | 1204.98 | 125.13 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| USR ST < 505 0502 > Tie Beam Reinforcing Steel Epoxy | 0.09 | TON | 2 | 147 | 15 | 241 | 0 | 403 | 4480.53 |
| USR AA < 502 0864 > Tie Beam Concrete | 96.00 | CY | 77 | 3,206 | 909 | 14,504 | 0 | 18,618 | 193.94 |
| USR AA < 502 0864 > Facia Forms | 481.00 | SF | 106 | 4,918 | 1,338 | 1,135 | 0 | 7,391 | 15.37 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

 QUANTY UOM MANHOUR LABOR EQUIPMT MATERIAL OTHER TOTAL COST UNIT COST

| | | | | | | | | | | |
|----------|------------|--------------------------------------------|---------|-----|--------|---------|---------|-----------|---------|-----------|
| USR ST < | 505 0502 > | Pacia Reinforcing Steel Epoxy | 0.40 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 |
| | | | | | 7 | 652 | 68 | 1,073 | 0 | 1,792 |
| | | | | | | | | | | 4480.53 |
| USR AA < | 502 0864 > | Pacia Concrete | 8.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 |
| | | | | | 6 | 267 | 76 | 1,209 | 0 | 1,552 |
| | | | | | | | | | | 193.94 |
| USR AA < | 502 0864 > | Railing Forms | 2403.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 |
| | | | | | 529 | 24,569 | 6,684 | 5,673 | 0 | 36,926 |
| | | | | | | | | | | 15.37 |
| USR ST < | 505 0502 > | Railing Reinforcing Steel Epoxy | 3.00 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 |
| | | | | | 54 | 4,889 | 508 | 8,045 | 0 | 13,442 |
| | | | | | | | | | | 4480.53 |
| USR AA < | 502 0864 > | Railing Concrete | 40.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 |
| | | | | | 32 | 1,336 | 379 | 6,043 | 0 | 7,758 |
| | | | | | | | | | | 193.94 |
| USR AA < | 502 0864 > | Sidewalk Forms | 222.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 |
| | | | | | 49 | 2,270 | 618 | 524 | 0 | 3,411 |
| | | | | | | | | | | 15.37 |
| USR ST < | 505 0502 > | Sidewalk Reinforcing Steel Epoxy | 1.90 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 |
| | | | | | 34 | 3,096 | 322 | 5,095 | 0 | 8,513 |
| | | | | | | | | | | 4480.53 |
| USR AA < | 502 0864 > | Sidewalk Concrete | 76.00 | CY | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 |
| | | | | | 30 | 1,269 | 360 | 11,482 | 0 | 13,111 |
| | | | | | | | | | | 172.51 |
| USR AA < | 503 0012 > | Prestressing CIP Concrete | 10.00 | EA | 12.29 | 696.47 | 67.99 | 2883.65 | 0.00 | 3648.11 |
| | | | | | 123 | 6,965 | 680 | 28,836 | 0 | 36,481 |
| | | | | | | | | | | 3648.11 |
| | | TOTAL Bridge Deck | 11475 | SF | 7,822 | 406,374 | 94,523 | 342,854 | 0 | 843,751 |
| | | | | | | | | | | 73.53 |
| | | TOTAL BRIDGES, SUPERSTRUCTURE & DECK | 11475 | SF | 11,903 | 675,236 | 177,936 | 1,349,972 | 0 | 2,203,144 |
| | | | | | | | | | | 192.00 |
| | | 02.01.08. BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | |
| | | 02.01.08.01. Bridge General Items | | | | | | | | |
| USR AA < | 506 0000 > | Expansion Joint 1-Inch | 150.00 | LF | 0.07 | 3.27 | 0.64 | 9.37 | 0.00 | 13.28 |
| | | | | | 10 | 490 | 96 | 1,406 | 0 | 1,992 |
| | | | | | | | | | | 13.28 |
| USR EL < | 623 XXXX > | Light Fixtures | 14.00 | EA | 0.00 | 0.00 | 0.00 | 0.00 | 2992.00 | 2992.00 |
| | | | | | 0 | 0 | 0 | 0 | 54,721 | 54,721 |
| | | | | | | | | | | 3908.65 |
| USR EL < | 623 XXXX > | Install Light Fixtures | 14.00 | EA | 3.33 | 163.83 | 90.14 | 0.00 | 0.00 | 253.98 |
| | | | | | 47 | 2,996 | 1,649 | 0 | 0 | 4,645 |
| | | | | | | | | | | 331.79 |
| USR EL < | 623 XXXX > | Reconstruct Signals | 8.00 | EA | 20.00 | 983.00 | 540.86 | 0.00 | 0.00 | 1523.86 |
| | | | | | 160 | 10,273 | 5,652 | 0 | 0 | 15,926 |
| | | | | | | | | | | 1990.72 |
| USR PM < | 632 XXXX > | Pavement Striping | 918.00 | LF | 0.04 | 1.53 | 1.24 | 1.59 | 0.00 | 4.37 |
| | | | | | 35 | 1,871 | 1,519 | 1,946 | 0 | 5,336 |
| | | | | | | | | | | 5.81 |

URS Corporation
 PROJECT RBSS02: SIERRA STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 02. RELOCATIONS

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | | |
|-------------------------------------------------------|---------|-----|---------|--------|----------|----------|---------|------------|-----------|--|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | | |
| USR ST < 506 0600 > Pedestrian Ornamental Handrail | 407.00 | LF | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | 112.78 | | |
| | | | 102 | 9,212 | 957 | 35,732 | 0 | 45,900 | | | |
| USR AA < 999 XXXX > Miscellaneous Bridge Items | 11475 | SF | 0.00 | 0.00 | 0.00 | 0.00 | 8.75 | 8.75 | 8.75 | | |
| | | | 0 | 0 | 0 | 0 | 100,406 | 100,406 | | | |
| TOTAL Bridge General Items | 8370.00 | SF | 354 | 24,843 | 9,872 | 39,084 | 155,127 | 228,927 | 27.35 | | |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 354 | 24,843 | 9,872 | 39,084 | 155,127 | 228,927 | 228926.77 | | |
| 02.01.13. TRAFFIC CONTROL | | | | | | | | | | | |
| 02.01.13.01. Sitework | | | | | | | | | | | |
| CIV SB <01530 1113 > Type 3 w/ Three Striped Boards | 8.00 | EA | 0.00 | 0.00 | 0.00 | 175.86 | 0.00 | 175.86 | 233.84 | | |
| | | | 0 | 0 | 0 | 1,871 | 0 | 1,871 | | | |
| CIV SB <01530 1114 > Blinking Light Attachment | 32.00 | EA | 0.00 | 0.00 | 0.00 | 23.61 | 0.00 | 23.61 | 31.39 | | |
| | | | 0 | 0 | 0 | 1,004 | 0 | 1,004 | | | |
| CIV SB <01530 1116 > Safety Barrels 36" Tall | 24.00 | EA | 0.00 | 0.00 | 0.00 | 35.41 | 0.00 | 35.41 | 47.08 | | |
| | | | 0 | 0 | 0 | 1,130 | 0 | 1,130 | | | |
| MIL SB <02842 0590 > Signs, reflectorized w/post, 12" | 4.00 | EA | 0.50 | 19.52 | 0.00 | 20.36 | 0.00 | 39.88 | 53.03 | | |
| | | | 2 | 104 | 0 | 108 | 0 | 212 | | | |
| L AF FE <01534 0100 > Fencing, 11 ga, chain link, 6' | 840.00 | LF | 0.10 | 3.90 | 0.00 | 3.87 | 0.00 | 7.78 | 10.35 | | |
| | | | 84 | 4,363 | 0 | 4,327 | 0 | 8,690 | | | |
| TOTAL Sitework | 1.00 | EA | 86 | 4,467 | 0 | 8,440 | 0 | 12,907 | 12907.43 | | |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 86 | 4,467 | 0 | 8,440 | 0 | 12,907 | 12907.43 | | |
| 02.01.19. CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | | | |
| 02.01.19.01. Roadway Backfill | | | | | | | | | | | |
| USR AA < 207 2004 > Spread & Compact Fill | 5290.00 | LCY | 0.03 | 1.43 | 1.49 | 15.34 | 0.00 | 18.26 | 18.26 | | |
| | | | 148 | 7,558 | 7,859 | 81,169 | 0 | 96,587 | | | |
| TOTAL Roadway Backfill | 4232.00 | CY | 148 | 7,558 | 7,859 | 81,169 | 0 | 96,587 | 22.82 | | |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 148 | 7,558 | 7,859 | 81,169 | 0 | 96,587 | 96586.99 | | |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------------------------------------|------------|-------------------------------|-----|------------|---------|----------|----------|-------|------------|-----------|
| 02.01.39. APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39.01. Removal of Concrete Pavement | | | | | | | | | | |
| USR AA < | 202 2112 > | Remove Concrete Pavement 10" | | 0.13 | 6.75 | 5.21 | 0.00 | 0.00 | 11.96 | 11.96 |
| | | | | 15 | 816 | 631 | 0 | 0 | 1,447 | 11.96 |
| | | | | 121.00 SY | | | | | | |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | | 0 | 0 | 0 | 0 | 424 | 424 | 6.33 |
| | | | | 67.00 LCY | | | | | | |
| TOTAL Removal of Concrete Pavement | | | | 15 | 816 | 631 | 0 | 424 | 1,871 | 15.47 |
| 02.01.39.02. Removal of Curb | | | | | | | | | | |
| USR AA < | > | Remove Concrete Curb | | 0.04 | 2.16 | 1.67 | 0.00 | 0.00 | 3.83 | 3.83 |
| | | | | 35 | 1,876 | 1,450 | 0 | 0 | 3,326 | 3.83 |
| | | | | 869.00 LF | | | | | | |
| USR AA < | > | Disposal Fee; based on quote | | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | | 0 | 0 | 0 | 0 | 196 | 196 | 6.33 |
| | | | | 31.00 LCY | | | | | | |
| TOTAL Removal of Curb | | | | 35 | 1,876 | 1,450 | 0 | 196 | 3,522 | 4.05 |
| 02.01.39.03. Removal of Sidewalk | | | | | | | | | | |
| USR AA < | 202 2172 > | Remove Concrete Sidewalk - 4" | | 0.06 | 3.37 | 2.61 | 0.00 | 0.00 | 5.98 | 5.98 |
| | | | | 20 | 1,070 | 826 | 0 | 0 | 1,896 | 5.98 |
| | | | | 317.00 SY | | | | | | |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | | 0 | 0 | 0 | 0 | 443 | 443 | 6.33 |
| | | | | 70.00 LCY | | | | | | |
| TOTAL Removal of Sidewalk | | | | 20 | 1,070 | 826 | 0 | 443 | 2,339 | 7.38 |
| 02.01.39.04. Retaining Walls | | | | | | | | | | |
| USR AA < | 502 0840 > | Footing Forms | | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | 11.65 |
| | | | | 403 | 18,732 | 5,096 | 6,055 | 0 | 29,883 | 11.65 |
| | | | | 2565.00 SF | | | | | | |
| USR ST < | 505 0500 > | Footing Reinforcing Steel | | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 |
| | | | | 394 | 35,716 | 3,709 | 45,479 | 0 | 84,904 | 3873.96 |
| | | | | 21.92 TON | | | | | | |
| USR AA < | 502 0840 > | Footing Concrete | | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 |
| | | | | 91 | 3,807 | 1,079 | 43,057 | 0 | 47,943 | 168.22 |
| | | | | 285.00 CY | | | | | | |
| USR AA < | 502 0840 > | Wall Forms | | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | 11.65 |
| | | | | 1,488 | 69,167 | 18,817 | 22,357 | 0 | 110,341 | 11.65 |
| | | | | 9471.00 SF | | | | | | |
| USR ST < | 505 0500 > | Wall Reinforcing Steel | | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 |
| | | | | 280 | 25,353 | 2,633 | 32,283 | 0 | 60,269 | 3873.96 |
| | | | | 15.56 TON | | | | | | |

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 02. RELOCATIONS

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|----------------------------------------------------|---------|-----|---------|---------|----------|----------|--------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| USR AA < 502 0840 > Wall Concrete | 201.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 | |
| | | | 64 | 2,685 | 761 | 30,367 | 0 | 33,813 | 168.22 | |
| USR ST < 506 0600 > Pedestrian Ornamental Handrail | 171.00 | LF | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | 112.78 | |
| | | | 43 | 3,870 | 402 | 15,013 | 0 | 19,285 | 112.78 | |
| TOTAL Retaining Walls | 4620.00 | SF | 2,764 | 159,329 | 32,498 | 194,611 | 0 | 386,438 | 83.64 | |
| 02.01.39.05. Structure Excavation | | | | | | | | | | |
| USR AA < 206 0500 > Structural Excavation | 450.00 | CY | 0.52 | 22.27 | 18.28 | 0.00 | 0.00 | 40.55 | 40.55 | |
| | | | 233 | 10,020 | 8,228 | 0 | 0 | 18,248 | 40.55 | |
| TOTAL Structure Excavation | 450.00 | CY | 233 | 10,020 | 8,228 | 0 | 0 | 18,248 | 40.55 | |
| 02.01.39.06. Granular Backfill | | | | | | | | | | |
| USR AA < 207 2004 > Granular Backfill | 278.00 | CY | 0.25 | 10.74 | 8.82 | 24.08 | 0.00 | 43.63 | 43.63 | |
| | | | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 43.63 | |
| TOTAL Granular Backfill | 417.00 | CY | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 29.09 | |
| 02.01.39.07. Struct Excav & Dispos Hazardous | | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Hazardous | 40.00 | CY | 0.70 | 30.06 | 24.68 | 0.00 | 150.00 | 204.74 | 204.74 | |
| | | | 28 | 1,202 | 987 | 0 | 6,000 | 8,190 | 204.74 | |
| TOTAL Struct Excav & Dispos Hazardous | 40.00 | CY | 28 | 1,202 | 987 | 0 | 6,000 | 8,190 | 204.74 | |
| 02.01.39.08. Struct Excav & Dispos Non-Haz | | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Non-Haz | 40.00 | CY | 0.70 | 30.06 | 24.68 | 0.00 | 35.00 | 89.74 | 89.74 | |
| | | | 28 | 1,202 | 987 | 0 | 1,400 | 3,590 | 89.74 | |
| TOTAL Struct Excav & Dispos Non-Haz | 40.00 | CY | 28 | 1,202 | 987 | 0 | 1,400 | 3,590 | 89.74 | |
| 02.01.39.09. Asphalt Pavement | | | | | | | | | | |
| L USR SP < 402 6000 > Plant Mix Surfacing | 667.00 | TON | 0.48 | 21.94 | 7.68 | 53.11 | 0.00 | 82.73 | 112.07 | |
| | | | 320 | 19,821 | 6,938 | 47,994 | 0 | 74,753 | 112.07 | |
| USR SP < 302 0500 > Aggregate Base | 1319.00 | TON | 0.06 | 3.02 | 2.54 | 21.25 | 0.00 | 26.81 | 36.32 | |
| | | | 78 | 5,403 | 4,533 | 37,964 | 0 | 47,900 | 36.32 | |

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| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|--------------------------------|---------|-----|---------|---------|----------|----------|-------|------------|-----------|
| TOTAL Asphalt Pavement | | 2116.00 | SY | 398 | 25,224 | 11,471 | 85,958 | 0 | 122,653 | 57.96 |
| 02.01.39.10. Sidewalk | | | | | | | | | | |
| USR AA < | 613 0876 > | 375.00 | SF | 0.09 | 4.26 | 1.16 | 2.36 | 0.00 | 7.78 | 7.78 |
| | Sidewalk Forms | | | 34 | 1,598 | 435 | 885 | 0 | 2,917 | 7.78 |
| USR ST < | 613 0876 > | 1.00 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | Sidewalk Reinforcing Mesh | | | 18 | 1,630 | 169 | 2,075 | 0 | 3,874 | 3873.96 |
| USR AA < | 613 0876 > | 35.00 | CY | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | 172.51 |
| | Sidewalk Concrete | | | 14 | 584 | 166 | 5,288 | 0 | 6,038 | 172.51 |
| TOTAL Sidewalk | | 317.00 | SY | 66 | 3,812 | 770 | 8,248 | 0 | 12,829 | 40.47 |
| 02.01.39.11. Concrete Pedestrian Ramp | | | | | | | | | | |
| USR AA < | 502 0840 > | 896.00 | SF | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | 11.65 |
| | Footing Forms | | | 141 | 6,543 | 1,780 | 2,115 | 0 | 10,439 | 11.65 |
| USR ST < | 505 0500 > | 5.78 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | Footing Reinforcing Steel | | | 104 | 9,417 | 978 | 11,991 | 0 | 22,386 | 3873.96 |
| USR AA < | 502 0840 > | 127.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 |
| | Footing Concrete | | | 41 | 1,696 | 481 | 19,187 | 0 | 21,364 | 168.22 |
| USR AA < | 502 0840 > | 7153.00 | SF | 0.28 | 12.78 | 3.48 | 2.36 | 0.00 | 18.62 | 18.62 |
| | Wall Forms | | | 1,967 | 91,418 | 24,871 | 16,885 | 0 | 133,174 | 18.62 |
| USR ST < | 505 0500 > | 8.01 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | Wall Reinforcing Steel | | | 144 | 13,050 | 1,355 | 16,617 | 0 | 31,023 | 3873.96 |
| USR AA < | 502 0840 > | 176.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 |
| | Wall Concrete | | | 56 | 2,351 | 667 | 26,590 | 0 | 29,607 | 168.22 |
| USR ST < | 506 0600 > | 170.00 | LF | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | 112.78 |
| | Pedestrian Ornamental Handrail | | | 43 | 3,848 | 400 | 14,925 | 0 | 19,172 | 112.78 |
| USR AA < | 613 0876 > | 1360.00 | SF | 0.09 | 4.26 | 1.16 | 2.36 | 0.00 | 7.78 | 7.78 |
| | Sidewalk Forms | | | 125 | 5,794 | 1,576 | 3,210 | 0 | 10,580 | 7.78 |
| USR ST < | 613 0876 > | 2.00 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | Sidewalk Reinforcing Mesh | | | 36 | 3,259 | 338 | 4,150 | 0 | 7,748 | 3873.96 |
| USR AA < | 613 0876 > | 121.00 | CY | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | 172.51 |
| | Sidewalk Concrete | | | 48 | 2,020 | 573 | 18,280 | 0 | 20,874 | 172.51 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|-------------------------------------------------------|---------|-----|---------|---------|----------|----------|----------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| TOTAL Concrete Pedestrian Ramp | 1092.00 | SY | 2,705 | 139,396 | 33,019 | 133,952 | 0 | 306,367 | 280.56 | |
| 02.01.39.12. Bridge Approach Slab | | | | | | | | | | |
| USR AA < 502 0864 > Slab Edge Forms | 150.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 | |
| | | | 33 | 1,534 | 417 | 354 | 0 | 2,305 | 15.37 | |
| USR ST < 505 0502 > Reinforcing Steel Epoxy | 8.04 | TON | 18.00 | 1204.98 | 125.14 | 1982.90 | 0.00 | 3313.02 | 4480.53 | |
| | | | 145 | 13,102 | 1,361 | 21,561 | 0 | 36,023 | 4480.53 | |
| USR AA < 502 0864 > Approach Slab Concrete | 134.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 | |
| | | | 107 | 4,474 | 1,269 | 20,245 | 0 | 25,988 | 193.94 | |
| TOTAL Bridge Approach Slab | 134.00 | CY | 285 | 19,110 | 3,047 | 42,159 | 0 | 64,316 | 479.97 | |
| TOTAL APPROACH ROADWAY | 1.00 | JOB | 6,646 | 366,043 | 96,364 | 471,622 | 8,463 | 942,492 | 942492.06 | |
| 02.01.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.01.99.01. General Conditions | | | | | | | | | | |
| M USR AA < 629 0100 > 1-Temp Office Trailer 32' X 8' | 26.00 | MO | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | 990.00 | |
| | | | 0 | 0 | 25,740 | 0 | 0 | 25,740 | 990.00 | |
| M USR AA < 629 0100 > 2-Temp Const Stor. Van 16 X 8 | 52.00 | MO | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | 150.00 | |
| | | | 0 | 0 | 7,800 | 0 | 0 | 7,800 | 150.00 | |
| M USR AA < 629 0100 > Toilet Portable Chemical | 26.00 | MO | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | 180.00 | |
| | | | 0 | 0 | 4,680 | 0 | 0 | 4,680 | 180.00 | |
| USR AA < 629 0100 > Office Supply | 26.00 | MO | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | 306.88 | |
| | | | 0 | 0 | 0 | 7,979 | 0 | 7,979 | 306.88 | |
| USR AA < 629 0100 > Schedule Updates | 26.00 | MO | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | 337.11 | |
| | | | 0 | 4,576 | 2,808 | 1,381 | 0 | 8,765 | 337.11 | |
| USR AA < 629 0100 > Temp. Utilities Usage | 26.00 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | 1100.00 | |
| | | | 0 | 0 | 0 | 0 | 28,600 | 28,600 | 1100.00 | |
| USR AA < 629 0100 > Site Debris Clean-Up & Removal | 6.50 | MO | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | 595.90 | |
| | | | 58 | 2,606 | 1,267 | 0 | 0 | 3,873 | 595.90 | |
| M USR AA < 629 0100 > Field Surveying Service | 3.90 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | 18600.00 | |
| | | | 0 | 0 | 0 | 0 | 72,540 | 72,540 | 18600.00 | |
| M USR AA < 629 0100 > 2-Flag Person - Traffic Control | 16.90 | MON | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | 5016.00 | |
| | | | 0 | 84,770 | 0 | 0 | 0 | 84,770 | 5016.00 | |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|---------|-----|---------|-----------|----------|----------|---------|------------|-----------|
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 1950.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| M USR AA < 629 0100 > Program Manager | 520.00 | HRS | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | 130.90 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 520.00 | HR | 0.00 | 68,068 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| M USR AA < 629 0100 > Project Manager | 3250.00 | HRS | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 95.70 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3250.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| USR AA < 629 0100 > Clerk\Secretary | 2167.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 38.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 2167.00 | HR | 0.00 | 83,430 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 4333.00 | HRS | 0.00 | 0.00 | 88.00 | 0.00 | 0.00 | 88.00 | 88.00 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4333.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| USR AA < 629 0100 > Safety & Health Person | 3900.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3900.00 | HR | 0.00 | 278,850 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| M USR AA < 629 0100 > QC Engineers, Includes: | 3900.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3900.00 | HR | 0.00 | 321,750 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| USR AA < 629 0100 > QA Engineer | 3033.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3033.00 | HR | 0.00 | 241,882 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| TOTAL General Conditions | 26.00 | MO | 58 | 1,778,261 | 443,033 | 9,360 | 101,140 | 2,331,793 | 89684.36 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 58 | 1,778,261 | 443,033 | 9,360 | 101,140 | 2,331,793 | 2331793 |

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02.01. ROADS, CONSTRUCTION ACTIVITIES

TOTAL ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 1.00 | JOB | 31,952 | 3,571,765 | 1,006,131 | 2,593,419 | 2,269,300 | 9,440,615 | 9440615 |

| 02.03. CEMETERY, UTILITIES & STRUCTURES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|------------|-----------------------|------------------|---------|-------|----------|----------|-----------|------------|-----------|
| 02.03. CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18. UTILITIES | | | | | | | | | | |
| 02.03.18.01. Remove & Relocate Utilities | | | | | | | | | | |
| USR UT < | 609 XXXX > | Temp Relocation | Water Line 12" | 0.00 | 0.00 | 0.00 | 0.00 | 188.00 | 188.00 | |
| | | | | 485.00 | LF | 0 | 0 | 129,041 | 129,041 | 266.06 |
| USR UT < | 609 XXXX > | Temp Relocation | Water Valve 12" | 0.00 | 0.00 | 0.00 | 0.00 | 688.00 | 688.00 | |
| | | | | 4.00 | EA | 0 | 0 | 3,895 | 3,895 | 973.68 |
| USR UT < | 609 XXXX > | Temp Relocation | Water Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 3500.00 | 3500.00 | |
| | | | | 4.00 | EA | 0 | 0 | 19,813 | 19,813 | 4953.31 |
| USR UT < | 609 XXXX > | Permanent | Water Line 12" | 0.00 | 0.00 | 0.00 | 0.00 | 150.00 | 150.00 | |
| | | | | 485.00 | LF | 0 | 0 | 102,958 | 102,958 | 212.28 |
| USR UT < | 609 XXXX > | Permanent | Water Valve 12" | 0.00 | 0.00 | 0.00 | 0.00 | 550.00 | 550.00 | |
| | | | | 4.00 | EA | 0 | 0 | 3,114 | 3,114 | 778.38 |
| USR UT < | 609 XXXX > | Permanenet | Water Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 2800.00 | 2800.00 | |
| | | | | 4.00 | EA | 0 | 0 | 15,851 | 15,851 | 3962.65 |
| USR UT < | 609 XXXX > | Temp Relocation | Gas Line 5" | 0.00 | 0.00 | 0.00 | 0.00 | 145.00 | 145.00 | |
| | | | | 485.00 | LF | 0 | 0 | 99,526 | 99,526 | 205.21 |
| USR UT < | 609 XXXX > | Permanent | Gas Line 5" | 0.00 | 0.00 | 0.00 | 0.00 | 115.00 | 115.00 | |
| | | | | 485.00 | LF | 0 | 0 | 78,935 | 78,935 | 162.75 |
| USR UT < | 609 XXXX > | Temp Relocation | U/G Elec 3 x 3" | 0.00 | 0.00 | 0.00 | 0.00 | 321.00 | 321.00 | |
| | | | | 605.00 | LF | 0 | 0 | 274,845 | 274,845 | 454.29 |
| USR UT < | 609 XXXX > | Permanent | U/G Elec 3 x 3" | 0.00 | 0.00 | 0.00 | 0.00 | 255.00 | 255.00 | |
| | | | | 605.00 | LF | 0 | 0 | 218,335 | 218,335 | 360.88 |
| USR UT < | 609 XXXX > | Permanent | U/G Elec Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 15000.00 | 15000.00 | |
| | | | | 4.00 | EA | 0 | 0 | 84,914 | 84,914 | 21228.48 |
| TOTAL Remove & Relocate Utilities | | | | 1.00 | EA | 0 | 0 | 1,031,226 | 1,031,226 | 1031226 |
| TOTAL UTILITIES | | | | 1.00 | JOB | 0 | 0 | 1,031,226 | 1,031,226 | 1031226 |
| 02.03.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01. General Conditions | | | | | | | | | | |
| M MSR AA < | 629 0100 > | 1-Temp Office Trailer | 32' X 8' | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | |
| | | | | 4.00 | MO | 0 | 0 | 3,960 | 3,960 | 990.00 |

| 02.03. CEMETERY, UTILITIES & STRUCTURES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|------------------------------------------------------|--------|-----|---------|---------|----------|----------|----------|------------|-----------|
| M | USR AA < 629 0100 > 2-Temp Const Stor. Van 16 X 8 | 8.00 | MO | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | 150.00 |
| | | | | | 0 | 1,200 | 0 | 0 | 1,200 | 150.00 |
| M | USR AA < 629 0100 > Toilet Portable Chemical | 4.00 | MO | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | 180.00 |
| | | | | | 0 | 720 | 0 | 0 | 720 | 180.00 |
| USR | AA < 629 0100 > Office Supply | 4.00 | MO | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | 306.88 |
| | | | | | 0 | 0 | 1,228 | 0 | 1,228 | 306.88 |
| USR | AA < 629 0100 > Schedule Updates | 4.00 | MO | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | 337.11 |
| | | | | | 0 | 432 | 212 | 0 | 1,348 | 337.11 |
| USR | AA < 629 0100 > Temp. Utilities Usage | 4.00 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | 1100.00 |
| | | | | | 0 | 0 | 0 | 4,400 | 4,400 | 1100.00 |
| USR | AA < 629 0100 > Site Debris Clean-Up & Removal | 1.00 | MO | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | 595.90 |
| | | | | | 9 | 195 | 0 | 0 | 596 | 595.90 |
| M | USR AA < 629 0100 > Field Surveying Service | 0.60 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | 18600.00 |
| | | | | | 0 | 0 | 0 | 11,160 | 11,160 | 18600.00 |
| M | USR AA < 629 0100 > 2-Flag Person - Traffic Control | 2.60 | MON | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | 5016.00 |
| | | | | | 0 | 13,042 | 0 | 0 | 13,042 | 5016.00 |
| L | USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 300.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 5,215 | 0 | 0 | 5,215 | 17.38 |
| M | USR AA < 629 0100 > Program Manager | 80.00 | HRS | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | 130.90 |
| | | | | | 0 | 10,472 | 0 | 0 | 10,472 | 130.90 |
| L | USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 80.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 1,391 | 0 | 0 | 1,391 | 17.38 |
| M | USR AA < 629 0100 > Project Manager | 500.00 | HRS | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 95.70 |
| | | | | | 0 | 47,850 | 0 | 0 | 47,850 | 95.70 |
| L | USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 500.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 8,692 | 0 | 0 | 8,692 | 17.38 |
| USR | AA < 629 0100 > Clerk\Secretary | 333.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 38.50 |
| | | | | | 0 | 12,821 | 0 | 0 | 12,821 | 38.50 |
| L | USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 333.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 5,789 | 0 | 0 | 5,789 | 17.38 |
| USR | AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 667.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 88.00 |
| | | | | | 0 | 58,696 | 0 | 0 | 58,696 | 88.00 |
| L | USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 667.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 11,595 | 0 | 0 | 11,595 | 17.38 |

| 02.03. CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | | | |
|-----------------------------------------|------------|----------------------------------------|--|--------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| | | | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
| USR AA < | 629 0100 > | Safety & Health Person | | 0.00 | HRS | 0 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 |
| | | | | 600.00 | HRS | 0 | 42,900 | 0 | 0 | 0 | 42,900 | 71.50 |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | | 0.00 | HR | 0 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 600.00 | HR | 0 | 0 | 10,430 | 0 | 0 | 10,430 | 17.38 |
| M USR AA < | 629 0100 > | QC Engineers, Includes: | | 0.00 | HRS | 0 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 |
| | | | | 600.00 | HRS | 0 | 49,500 | 0 | 0 | 0 | 49,500 | 82.50 |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | | 0.00 | HR | 0 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 600.00 | HR | 0 | 0 | 10,430 | 0 | 0 | 10,430 | 17.38 |
| USR AA < | 629 0100 > | QA Engineer | | 0.00 | HRS | 0 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 |
| | | | | 467.00 | HRS | 0 | 37,243 | 0 | 0 | 0 | 37,243 | 79.75 |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | | 0.00 | HR | 0 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 467.00 | HR | 0 | 0 | 8,118 | 0 | 0 | 8,118 | 17.38 |
| | | TOTAL General Conditions | | 4.00 | MO | 9 | 273,628 | 68,166 | 1,440 | 15,560 | 358,794 | 89698.46 |
| | | TOTAL ASSOCIATED GENERAL ITEMS | | 1.00 | JOB | 9 | 273,628 | 68,166 | 1,440 | 15,560 | 358,794 | 358793.85 |
| | | TOTAL CEMETERY, UTILITIES & STRUCTURES | | 1.00 | JOB | 9 | 273,628 | 68,166 | 1,440 | 1,046,786 | 1,390,020 | 1390020 |
| | | TOTAL RELOCATIONS | | 1.00 | JOB | 31,961 | 3,845,393 | 1,074,297 | 2,594,859 | 3,316,085 | 10,830,634 | 10830634 |

URS Corporation
 PROJECT RBSS02: SIERRA STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 11. LEVEES AND FLOODWALLS

11.02. FLOODWALLS

| QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------|-----|---------|-------|---------|----------|-------|------------|-----------|
|--------|-----|---------|-------|---------|----------|-------|------------|-----------|

11. LEVEES AND FLOODWALLS

| | | | | | | | | |
|----------------|-----|-------|---------|--------|---------|------|---------|---------|
| 1.00 | EA | 59.79 | 3077.50 | 644.71 | 5547.41 | 0.00 | 9269.63 | 9269.63 |
| 60 | | | 3,078 | 645 | 5,547 | 0 | 9,270 | 9269.63 |
| 1.00 | EA | 60 | 3,078 | 645 | 5,547 | 0 | 9,270 | 9269.63 |
| TOTAL DRAINAGE | | | | | | | | |
| 1.00 | JOB | 60 | 3,078 | 645 | 5,547 | 0 | 9,270 | 9269.63 |

11.02.02.01. Wall Drain Outlet & Flapgate 18"

| | | | | | | | | |
|----------------------------------------------------|------|----|-------|---------|--------|---------|------|---------|
| USR AA < 603 XXXX > 18" Drain Extension & Flapgate | 1.00 | EA | 59.79 | 3077.50 | 644.71 | 5547.41 | 0.00 | 9269.63 |
| | 60 | | | 3,078 | 645 | 5,547 | 0 | 9,270 |
| TOTAL Wall Drain Outlet & Flapgate 18" | 1.00 | EA | 60 | 3,078 | 645 | 5,547 | 0 | 9,270 |

11.02.03. CARE & DIVERSION OF WATER

| | | | | | | | | |
|------------------------------------------------------|--------|----|------|-------|-------|-------|------|--------|
| USR AA < 637 XXXX > Jersey Barrier Cofferdam | 170.00 | LF | 0.50 | 26.71 | 4.24 | 14.32 | 0.00 | 45.26 |
| | 85 | | | 4,540 | 720 | 2,434 | 0 | 7,694 |
| USR AA < 637 XXXX > Remove Cofferdam | 170.00 | LF | 0.25 | 13.35 | 2.12 | 0.00 | 0.00 | 15.48 |
| | 43 | | | 2,270 | 361 | 0 | 0 | 2,631 |
| USR AA < 637 XXXX > Load & Haul to Disposal Sandbags | 12.00 | CY | 0.08 | 4.60 | 4.32 | 19.52 | 0.00 | 28.44 |
| | 1 | | | 55 | 52 | 234 | 0 | 341 |
| TOTAL Low Profile Cofferdam | 170.00 | LF | 128 | 6,866 | 1,133 | 2,668 | 0 | 10,667 |

11.02.03.02. Dewatering Cofferdam

| | | | | | | | | |
|----------------------------------------------------|--------|-----|-------|--------|-------|---------|---------|---------|
| USR AA < 637 XXXX > Dewatering & Water Treatment | 170.00 | LF | 11.62 | 456.67 | 21.62 | 624.91 | 0.00 | 1103.20 |
| | 1,975 | | | 77,633 | 3,676 | 106,235 | 0 | 187,544 |
| USR AA < 637 XXXX > Treatment & Discharge of Water | 285.00 | MG | 0.00 | 0.00 | 0.00 | 0.00 | 1650.00 | 1650.00 |
| | 0 | | | 0 | 0 | 0 | 470,250 | 470,250 |
| TOTAL Dewatering Cofferdam | 170.00 | LF | 1,975 | 77,633 | 3,676 | 106,235 | 470,250 | 657,794 |
| TOTAL CARE & DIVERSION OF WATER | 1.00 | JOB | 2,104 | 84,499 | 4,809 | 108,903 | 470,250 | 668,461 |

11.02.05. FLOODWALL CONSTRUCTION

| | | | | | | | | |
|-------------------------------------------------------|--------|----|------|------|------|------|---------|---------|
| USR AA < 202 1072 > Retaining Wall Remove & Stabilize | 170.00 | LF | 0.00 | 0.00 | 0.00 | 0.00 | 2247.00 | 2247.00 |
| | 0 | | | 0 | 0 | 0 | 381,990 | 381,990 |
| TOTAL | 170.00 | LF | 0.00 | 0.00 | 0.00 | 0.00 | 2247.00 | 2247.00 |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------------|------------|--------------------------------|-------|---------|--------|----------|----------|---------|------------|-----------|
| TOTAL Removal of Flood Walls | | 170.00 | LF | 0 | 0 | 0 | 0 | 381,990 | 381,990 | 2247.00 |
| 11.02.05.02. Flood Walls | | | | | | | | | | |
| USR AA < | 502 0840 > | Footing Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 0.00 | 11.65 | 11.65 |
| | | | 550 | 25,568 | 6,956 | 8,264 | 0 | 0 | 40,788 | 11.65 |
| USR ST < | 505 0500 > | Footing Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 0.00 | 2864.51 | 158.03 |
| | | | 538 | 48,749 | 5,062 | 62,075 | 0 | 0 | 115,886 | 158.03 |
| USR AA < | 502 0840 > | Footing Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 0.00 | 168.22 | 168.22 |
| | | | 124 | 5,196 | 1,473 | 58,769 | 0 | 0 | 65,439 | 168.22 |
| USR AA < | 502 0840 > | Wall Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 0.00 | 11.65 | 11.65 |
| | | | 1,478 | 68,721 | 18,696 | 22,213 | 0 | 0 | 109,631 | 11.65 |
| USR ST < | 505 0500 > | Wall Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 0.00 | 2864.51 | 158.03 |
| | | | 496 | 44,903 | 4,663 | 57,178 | 0 | 0 | 106,745 | 158.03 |
| USR AA < | 502 0840 > | Wall Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 0.00 | 168.22 | 168.22 |
| | | | 114 | 4,755 | 1,348 | 53,784 | 0 | 0 | 59,887 | 168.22 |
| USR ST < | 506 0600 > | Pedestrian Ornamental Handrail | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 0.00 | 83.39 | 83.39 |
| | | | 43 | 3,848 | 400 | 14,925 | 0 | 0 | 19,172 | 83.39 |
| TOTAL Flood Walls | | | 3,344 | 201,739 | 38,599 | 277,209 | 0 | 0 | 517,548 | 112.76 |
| 11.02.05.03. Structure Excavation | | | | | | | | | | |
| USR AA < | 206 0500 > | Structural Excavation | 0.52 | 22.27 | 18.28 | 0.00 | 0.00 | 0.00 | 40.55 | 40.55 |
| | | | 1,601 | 68,736 | 56,442 | 0 | 0 | 0 | 125,178 | 40.55 |
| TOTAL Structure Excavation | | | 1,601 | 68,736 | 56,442 | 0 | 0 | 0 | 125,178 | 40.55 |
| 11.02.05.04. Granular Backfill | | | | | | | | | | |
| USR AA < | 207 2004 > | Granular Backfill | 0.25 | 10.74 | 8.82 | 24.08 | 0.00 | 0.00 | 43.63 | 43.63 |
| | | | 70 | 2,984 | 2,451 | 6,694 | 0 | 0 | 12,129 | 43.63 |
| TOTAL Granular Backfill | | | 70 | 2,984 | 2,451 | 6,694 | 0 | 0 | 12,129 | 43.63 |
| 11.02.05.05. Struct Excav & Dispos Hazardous | | | | | | | | | | |
| USR AA < | 206 0500 > | Floodwall Excavation Hazardous | 0.70 | 30.06 | 24.68 | 0.00 | 150.00 | 0.00 | 204.74 | 204.74 |
| | | | 190 | 8,176 | 6,714 | 0 | 40,800 | 0 | 55,690 | 204.74 |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|--|--------|-----|---------|---------|----------|----------|----------|------------|-----------|
| TOTAL Struct Excav & Dispos Hazardous | | 272.00 | CY | 190 | 8,176 | 6,714 | 0 | 40,800 | 55,690 | 204.74 |
| 11.02.05.06. Struct Excav & Dispos Non-Haz | | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Non-Haz | | 0.70 | | 30.06 | 24.68 | 0.00 | 0.00 | 35.00 | 89.74 | |
| TOTAL Struct Excav & Dispos Non-Haz | | 272.00 | CY | 190 | 8,176 | 6,714 | 0 | 9,520 | 24,410 | 89.74 |
| 11.02.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01. General Conditions | | | | | | | | | | |
| M USR AA < 629 0100 > 1-Temp Office Trailer 32' X 8' | | 7.00 | MO | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | |
| M USR AA < 629 0100 > 2-Temp Const Stor. Van 16 X 8 | | 14.00 | MO | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | |
| M USR AA < 629 0100 > Toilet Portable Chemical | | 7.00 | MO | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | |
| USR AA < 629 0100 > Office Supply | | 7.00 | MO | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | |
| USR AA < 629 0100 > Schedule Updates | | 7.00 | MO | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | |
| USR AA < 629 0100 > Temp. Utilities Usage | | 7.00 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | |
| USR AA < 629 0100 > Site Debris Clean-Up & Removal | | 1.75 | MO | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | |
| M USR AA < 629 0100 > Field Surveying Service | | 1.05 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | |
| M USR AA < 629 0100 > 2-Flag Person - Traffic Control | | 4.55 | MON | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | | 525.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | |
| M USR AA < 629 0100 > Program Manager | | 140.00 | HRS | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | |

| 11.02. FLOODWALLS | | | | | | | | | | |
|--------------------------------------------------------|---------|-----|---------|---------|----------|----------|---------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 140.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 | |
| | | | | 0 | 2,434 | 0 | 0 | 2,434 | 17.38 | |
| M USR AA < 629 0100 > Project Manager | 875.00 | HRS | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 95.70 | |
| | | | | 83,738 | 0 | 0 | 0 | 83,738 | 95.70 | |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 875.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 | |
| | | | | 0 | 15,210 | 0 | 0 | 15,210 | 17.38 | |
| USR AA < 629 0100 > Clerk\Secretary | 583.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 38.50 | |
| | | | | 22,446 | 0 | 0 | 0 | 22,446 | 38.50 | |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 583.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 | |
| | | | | 0 | 10,134 | 0 | 0 | 10,134 | 17.38 | |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 1167.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 88.00 | |
| | | | | 102,696 | 0 | 0 | 0 | 102,696 | 88.00 | |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1167.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 | |
| | | | | 0 | 20,286 | 0 | 0 | 20,286 | 17.38 | |
| USR AA < 629 0100 > Safety & Health Person | 1050.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 | |
| | | | | 75,075 | 0 | 0 | 0 | 75,075 | 71.50 | |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1050.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 | |
| | | | | 0 | 18,252 | 0 | 0 | 18,252 | 17.38 | |
| M USR AA < 629 0100 > QC Engineers, Includes: | 1050.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 | |
| | | | | 86,625 | 0 | 0 | 0 | 86,625 | 82.50 | |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1050.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 | |
| | | | | 0 | 18,252 | 0 | 0 | 18,252 | 17.38 | |
| USR AA < 629 0100 > QA Engineer | 817.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 | |
| | | | | 65,156 | 0 | 0 | 0 | 65,156 | 79.75 | |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 817.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 | |
| | | | | 0 | 14,202 | 0 | 0 | 14,202 | 17.38 | |
| TOTAL General Conditions | 7.00 | MO | 16 | 478,817 | 119,285 | 2,520 | 27,230 | 627,853 | 89693.23 | |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 16 | 478,817 | 119,285 | 2,520 | 27,230 | 627,853 | 627852.58 | |
| TOTAL FLOODWALLS | 1.00 | JOB | 7,574 | 856,206 | 235,658 | 400,873 | 929,790 | 2,422,528 | 2422528 | |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 7,574 | 856,206 | 235,658 | 400,873 | 929,790 | 2,422,528 | 2422528 | |

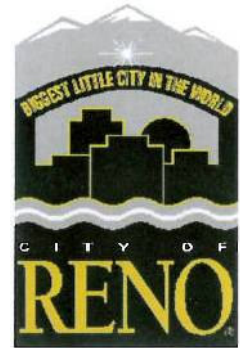
| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|--------|-----|---------|-------|----------|----------|-------|------------|-----------|
| 30. PLANNING, ENGINEERING AND DESIGN | | | | | | | | | |
| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT COOPERATN AGREEMNT (PCA) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.12. PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.18. GENERAL REEVALUATN REPORT (GRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL GENERAL REEVALUATN REPORT (GRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.19. LIMITED REEVALUATN REPORT (LRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LIMITED REEVALUATN REPORT (LRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.20. PROJECT DESING MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT DESING MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.21. FEATURE DESIGN MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL FEATURE DESIGN MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.23. CONSTRUCTION CONTRACT(S) DOCS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION CONTRACT(S) DOCS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.24. VALUE ENGINEERING ANALYSIS DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL VALUE ENGINEERING ANALYSIS DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.25. PROJECT FUNCTIONAL ELEMENT | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT FUNCTIONAL ELEMENT | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.26. PROGRAM & PROJECT MANAGEMT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROGRAM & PROJECT MANAGEMT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PLANNING, ENGINEERING AND DESIGN | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

| 31.12. PROJECT MANAGEMENT PLAN (PMP) | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMENT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------|--|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 31. CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.12. PROJECT MANAGEMENT PLAN (PMP) | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 31.23. CONSTRUCTION CONTRACTS | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 31.26. PROGRAM/PROJECT MANAGEMENT DOC | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION MANAGEMENT | | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL SIERRA STREET BRIDGE REPLACEMENT | | 1.00 | JOB | 39,535 | 4,701,599 | 1,309,955 | 2,995,733 | 4,245,875 | 13,253,162 | 13253162 |

No errors detected...

* * * END OF ERROR REPORT * * *

Reno TRAction Project Locally Preferred Plan Virginia Street

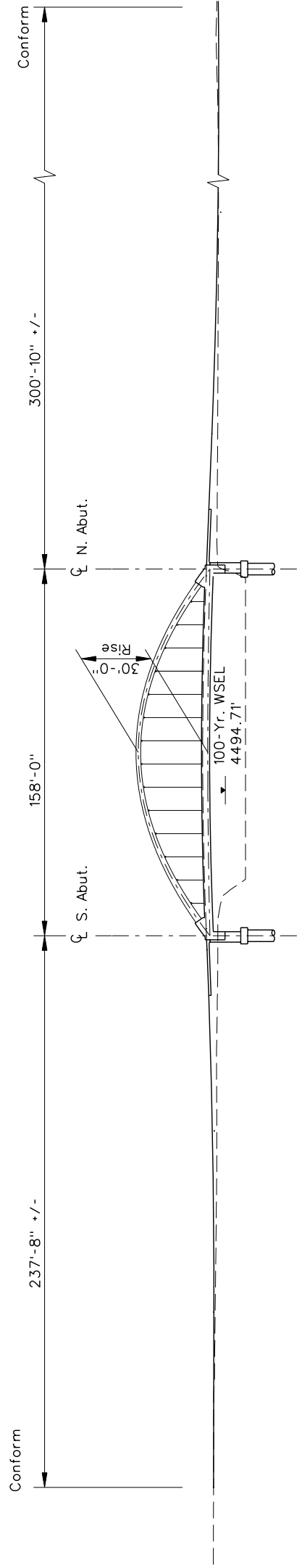


Prepared for
City of Reno

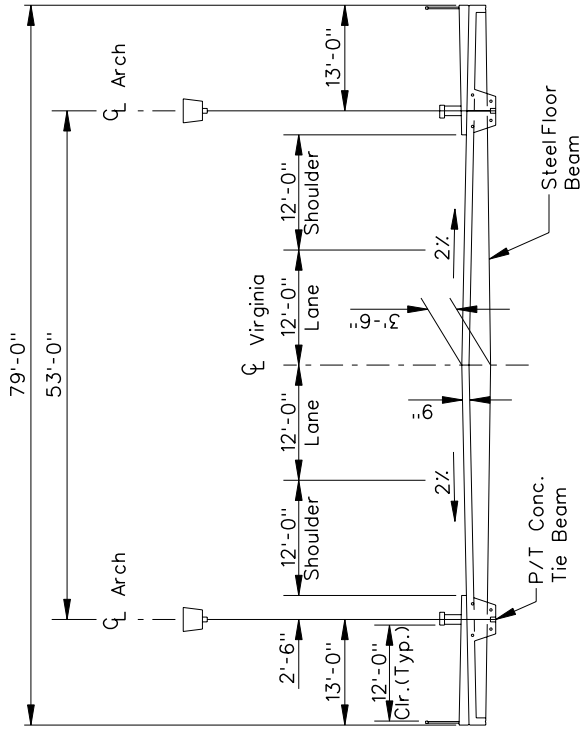
1 East First Street
Reno, NV 89501

October 2007

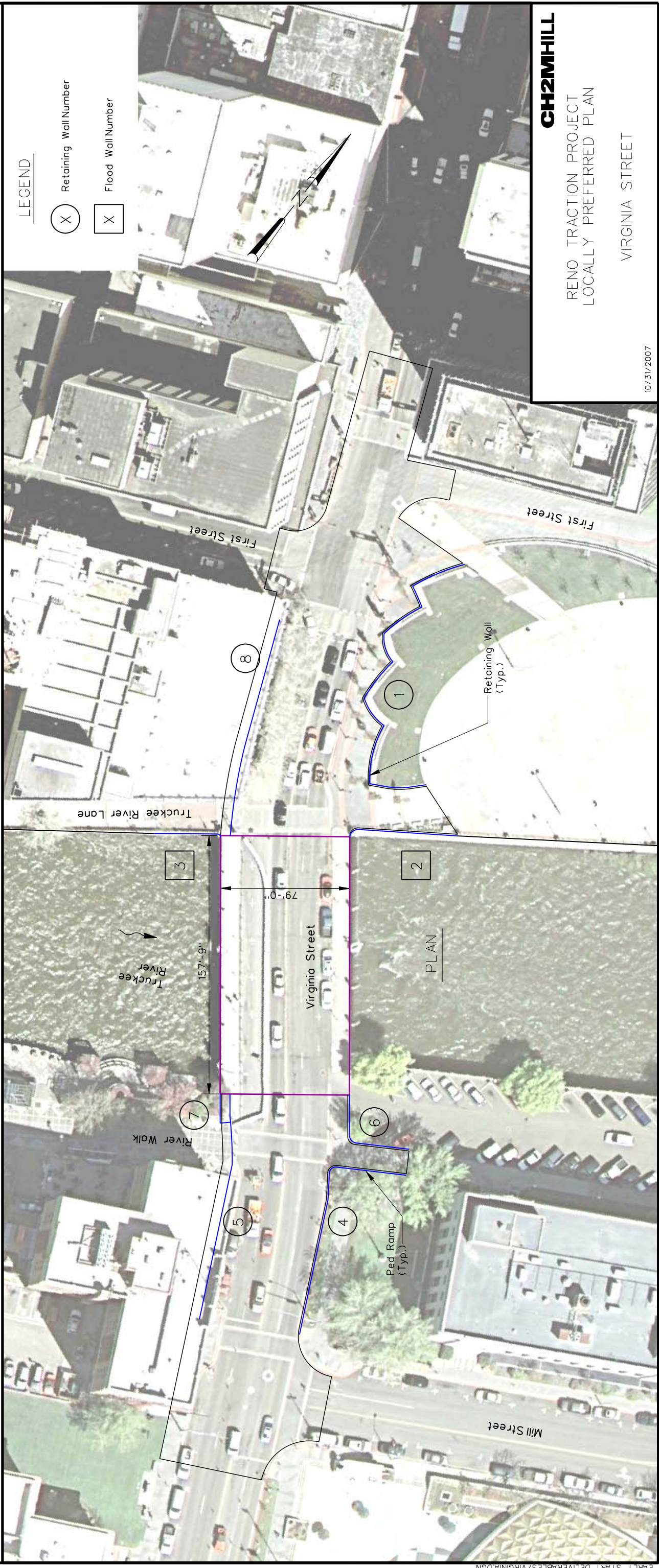
CH2MHILL
50 West Liberty Street
Suite 205
Reno, NV 89501



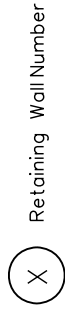
ELEVATION



TYPICAL SECTION



LEGEND



Retaining Wall Number



Flood Wall Number

Virginia Street Bridge Summary

Quantities

| Item of Work | Item Number | Units | Quantities | | | | | Total | Notes |
|-------------------------------------------------------------|-------------|--------|------------|-------------|----------------|---------|-----------|---------|-------------------------------------|
| | | | Roadway | Flood Walls | Retaining Wall | Bridge | Utilities | | |
| Urban Clearing | 201-0032 | LS | | | | | | 1 | |
| Relocate Fire Hydrant | 202-0120 | EA | | | | | 2 | | |
| Removal of Retaining Walls | 202-1072 | Lin Ft | | 110 | | | | 110 | |
| Removal of Concrete Pavement | 202-2112 | SY | 175 | | | | | 175 | Assumes 25% of Pedestrian Ramp Area |
| Removal of Bituminous Surface | 202-2128 | SY | 3,256 | | | | | 3,256 | |
| Removal of Curb | 202-2172 | Lin Ft | 1,053 | | | | | 1,053 | |
| Removal of Sidewalk | 202-2188 | SY | 684 | | | | | 684 | |
| Roadway Embankment | 203-2033 | CY | 1,821 | | | | | 1,821 | |
| Structure Excavation | 206-2000 | CY | | 1,822 | 614 | 346 | | 2,782 | |
| Structure Excavation Contaminated Materials (Hazardous) | 206-XXXX | CY | | 161 | 54 | 152 | | 367 | |
| Structure Excavation Contaminated Materials (Non-Hazardous) | 206-XXXX | CY | | 161 | 54 | 152 | | 367 | |
| Granular Backfill | 207-2004 | CY | | 1,791 | 1,032 | 1,532 | | 4,355 | |
| Landscaping | 212-XXXX | LS | | | | | | 1 | |
| Aggregate Base | 302-0500 | Ton | 2,029 | | | | | 2,029 | |
| Plantmix Surfacing (Wet) | 402-6000 | Ton | 1,026 | | | | | 1,026 | |
| Class AA Concrete, Modified (Major) | 502-0840 | CY | | 436 | 364 | 428 | | 1,228 | |
| Class EA Concrete, Modified (Major) | 502-0864 | CY | | | | 866 | | 866 | |
| Prestressing CIP Concrete | 503-0012 | LB | | | | 10,000 | | 10,000 | |
| Reinforcing Steel | 505-0500 | LB | | 64,990 | 33,495 | 408,960 | | 507,445 | |
| Reinforcing Steel (Epoxy Coated) | 505-0502 | LB | | | | 130,820 | | 130,820 | |
| Structural Steel | 506-0000 | LB | | | | 526,924 | | 526,924 | |
| Pedestrian Railing | 506-0600 | Lin Ft | | 110 | 695 | 417 | | 1,222 | |
| 2.5-inch Structural Strands (Hanger) | 506-XXXX | LB | | | | 12,226 | | 12,226 | |
| 5-Foot Diameter Drilled Shafts | 508-0596 | Lin Ft | | | | 600 | | 600 | |
| Drainage | 603-XXXX | LS | | | | | | 1 | |
| Relocate Water Manhole | 609-XXXX | EA | | | | | 5 | 5 | |
| Concrete Curb | 613-0756 | Lin Ft | 1,053 | | | | | 1,053 | |
| 4" Concrete Sidewalk | 613-0876 | SY | 684 | | | | | 684 | |
| Concrete Pedestrian Ramp | 613-0880 | SY | 701 | | | | | 701 | |
| Lighting | 623-XXXX | LS | | | | | | 1 | |
| Reconstruct Signal | 623-XXXX | LS | | | | | | 1 | |
| Relocate Telephone Lines | 623-XXXX | Lin Ft | | | | | 885 | 885 | |
| Traffic Control | 625-XXXX | LS | | | | | | 1 | |
| Mobilization | 628-0004 | LS | | | | | | 1 | |
| River Diversion | 637-XXXX | LS | | | | | | 1 | |
| Treat Contaminated Groundwater | 637-XXXX | LS | | | | | | 1 | |
| Relocate Water Line | 638-XXXX | Lin Ft | | | | | 885 | 885 | |
| Relocate Water Valve | 638-XXXX | EA | | | | | 5 | 5 | |
| Miscellaneous Items | 999-XXXX | LS | | | | | | 1 | |

Contingency LS 1
Preliminary Design LS 1
Construction Engineering LS 1

VIRGINA STREET BRIDGE REPLACEMENT
RENO TRACTION PROJECT
Locally Preferred Plan
City of Reno, Nevada
Draft Feasibility Cost Estimate

Designed By: CH2M Hill - Reno, NV 36942
Estimated By: Al Meyer - (303) 887-8645

Prepared By: CH2M Hill, Inc.
Reno, Nevada 36942

Preparation Date: 12/04/06
Effective Date of Pricing: 10/01/06
Est Construction Time: 720 Days

Sales Tax: 7.3%

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THIS COST ESTIMATE IS TO BE USED FOR FEASIBILITY STUDY PURPOSES ONLY

The purpose of this cost estimate is to develop feasibility cost values for Locally Preferred Plan for bridge replacements in downtown Reno, Nevada. This feasibility cost estimate includes cost remove and replace the Virginia Street Bridge, approach roadways, floodwalls and utility relocations. There are four bridges to be replaced in the Locally Preferred Plan. The bridges to be replaced are listed below:

- Sierra Street Bridge
- Virginia Street Bridge
- Center Street Bridge
- Lake Street Bridge

Flood control features include removal existing floodwall sections adjacent to the proposed bridge abutments and replacement of the floodwall sections with new structures that provide a higher freeboard.

COST ESTIMATE BASIS

The cost estimate is based on "Reno Traction Project" conceptual drawings and quantity takeoff developed by CH2M Hill.

CONSTRUCTION SCHEDULE

The bridge, floodwalls, approach roadways and utility relocations will take approximately 1 to 2 years to construct.

CONSTRUCTION ACCESS

The bridge is located in downtown Reno, Nevada. Construction of the single span bridge will cross the Truckee River requiring long reach capability lifting equipment. The construction conditions to build the bridge and floodwalls in general are tight. The closing the approach roadway to the bridge to vehicular traffic will be required along with traffic alternate routing. Pedestrian traffic will be limited during critical construction activities. Night work will more than likely be required to prevent inconvenience to business and tourist travel and during seasonal events.

The construction activities will supplemental off site laydown areas for the contractors equipment storage, storage and office trailers.

Access for material delivery will be good with paved streets. However, deliveries should be limited to non-peak traffic periods. Storage of material will be very limited at the project site and will require materials be stored off-site.

CONSTRUCTION MEANS & METHODS

Construction means and methods should be standard with the exception of the long reach across the Truckee River to construct the bridge.

ENVIRONMENTAL CONCERNS

A/E experience with construction of the existing Center Street Bridge indicates that contaminated soil and ground water exist on the northside abutment and extends slightly downward angle from the abutment to the bridge center pier. The contractor constructing the Center Street Bridge was issued a change order to remove and dispose of the contaminated soil and to pump, treat and dispose to the POTW contaminated groundwater. This estimate assumes that 15% of all excavated materials are contaminated with the quantity split 50%-50% between Hazardous material and non-hazardous material.

This estimate includes normal environmental protection requirements in addition to the above.

LABOR

Required craft labor is available locally and within a 50 to 60-mile radius. No per diems should be required.

Labor rates used to develop this estimate are based Davis Bacon for Washoe County, Nevada, General Decision Number: NV20070005 26-Oct-07.

MATERIAL PRICES

Material quotes from the Reno area were obtained when possible. Historical costs were used where deemed appropriate, estimator experience and from cost data catalogs.

The cost estimate assumes that borrow sources and disposal Areas require a 15 mile haul for transportation. Disposal fees were provided by Lockwood Regional Landfill (755) 342-0401.

CONSTRUCTION EQUIPMENT

Required construction equipment is available locally and within a 50 to 60-mile radius.

COST ESTIMATE MARKUP STRUCTURE

Owner Cost are excluded from the cost estimate.

Contractor field overhead cost are included in account code 99 Associated General Items for 02 Relocations and 11 Levees and Floodwalls accounts and is therefore not a distributed cost.

Estimate/Design Contingency is included in the prime contractor markup as a distributed cost at 25%.

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|------------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 19,810,500 | 0 | 0 | 0 | 0 | 0 | 19,810,500 | 19810542 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 2,218,300 | 0 | 0 | 0 | 0 | 0 | 2,218,300 | 2218312 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| TOTAL VIRGINIA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 22,028,900 | 0 | 0 | 0 | 0 | 0 | 22,028,900 | 22028854 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 1,179,500 | 0 | 0 | 0 | 0 | 0 | 1,179,500 | 1179519 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 1,179,500 | 0 | 0 | 0 | 0 | 0 | 1,179,500 | 1179519 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 6.00 | EA | 8,700 | 0 | 0 | 0 | 0 | 0 | 8,700 | 1452.85 |
| 02.01.03.02 Remove Pilasters | 14.00 | EA | 26,100 | 0 | 0 | 0 | 0 | 0 | 26,100 | 1862.23 |
| 02.01.03.03 Remove Bridge Railing | 295.00 | LF | 36,600 | 0 | 0 | 0 | 0 | 0 | 36,600 | 124.15 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 600.00 | LF | 1,300 | 0 | 0 | 0 | 0 | 0 | 1,300 | 2.24 |
| 02.01.03.05 Remove Asphalt Pavement | 2952.00 | SY | 10,500 | 0 | 0 | 0 | 0 | 0 | 10,500 | 3.55 |
| 02.01.03.06 Remove Sidewalk | 2160.00 | SY | 54,700 | 0 | 0 | 0 | 0 | 0 | 54,700 | 25.32 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 109,600 | 0 | 0 | 0 | 0 | 0 | 109,600 | 2740.02 |
| 02.01.03.10 Structure Excavation | 450.00 | CY | 28,100 | 0 | 0 | 0 | 0 | 0 | 28,100 | 62.37 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 243,800 | 0 | 0 | 0 | 0 | 0 | 243,800 | 121892.16 |
| 02.01.03.12 Concrete Pier Removal | 2.00 | EA | 55,400 | 0 | 0 | 0 | 0 | 0 | 55,400 | 27715.39 |
| 02.01.03.13 Granular Backfill | 620.00 | CY | 41,000 | 0 | 0 | 0 | 0 | 0 | 41,000 | 66.07 |
| 02.01.03.15 Remove Arch Backfill | 2260.00 | CY | 154,400 | 0 | 0 | 0 | 0 | 0 | 154,400 | 68.30 |
| 02.01.03.16 Concrete Arch Removal | 1185.00 | CY | 229,700 | 0 | 0 | 0 | 0 | 0 | 229,700 | 193.85 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 999,900 | 0 | 0 | 0 | 0 | 0 | 999,900 | 999861.59 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 600.00 | LF | 1,801,200 | 0 | 0 | 0 | 0 | 0 | 1,801,200 | 3002.08 |
| 02.01.05.02 Structure Excavation | 1724.00 | CY | 102,000 | 0 | 0 | 0 | 0 | 0 | 102,000 | 59.19 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 153.00 | CY | 45,700 | 0 | 0 | 0 | 0 | 0 | 45,700 | 298.85 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 153.00 | CY | 20,000 | 0 | 0 | 0 | 0 | 0 | 20,000 | 130.99 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 22,900 | 0 | 0 | 0 | 0 | 0 | 22,900 | 91.64 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 1,411,700 | 0 | 0 | 0 | 0 | 0 | 1,411,700 | 5646.68 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 146,500 | 0 | 0 | 0 | 0 | 0 | 146,500 | 796.34 |
| 02.01.05.08 Granular Fill | 1532.00 | CY | 81,600 | 0 | 0 | 0 | 0 | 0 | 81,600 | 53.29 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 3,631,800 | 0 | 0 | 0 | 0 | 0 | 3,631,800 | 1815896 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |

| | QUANTITY | UOM | CONTRACT COST | DBS CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|-------------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02.01.06.01 | 234.00 | CY | 234,100 | 0 | 0 | 0 | 0 | 0 | 234,100 | 1000.28 |
| TOTAL BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |
| 02.01.07 | 2.00 | EA | 234,100 | 0 | 0 | 0 | 0 | 0 | 234,100 | 117032.27 |
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.07.01 | 11850.00 | SF | 2,165,400 | 0 | 0 | 0 | 0 | 0 | 2,165,400 | 182.73 |
| 02.01.07.02 | 11850.00 | SF | 1,257,000 | 0 | 0 | 0 | 0 | 0 | 1,257,000 | 106.07 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.08 | 8370.00 | SF | 340,800 | 0 | 0 | 0 | 0 | 0 | 340,800 | 40.72 |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.08.01 | 1.00 | JOB | 340,800 | 0 | 0 | 0 | 0 | 0 | 340,800 | 340836.13 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.13.01 | 1.00 | EA | 18,800 | 0 | 0 | 0 | 0 | 0 | 18,800 | 18839.94 |
| TOTAL TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.13.01 | 1.00 | JOB | 18,800 | 0 | 0 | 0 | 0 | 0 | 18,800 | 18839.94 |
| TOTAL TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.19 CONSTRUCT ROADDED TO SUBGRADE | | | | | | | | | | |
| 02.01.19.01 | 1821.00 | CY | 60,700 | 0 | 0 | 0 | 0 | 0 | 60,700 | 33.31 |
| TOTAL CONSTRUCT ROADDED TO SUBGRADE | | | | | | | | | | |
| 02.01.19.01 | 1.00 | JOB | 60,700 | 0 | 0 | 0 | 0 | 0 | 60,700 | 60656.17 |
| TOTAL CONSTRUCT ROADDED TO SUBGRADE | | | | | | | | | | |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39.01 | 3256.00 | SY | 73,500 | 0 | 0 | 0 | 0 | 0 | 73,500 | 22.59 |
| 02.01.39.02 | 1053.00 | LF | 6,200 | 0 | 0 | 0 | 0 | 0 | 6,200 | 5.91 |
| 02.01.39.03 | 685.00 | SY | 7,400 | 0 | 0 | 0 | 0 | 0 | 7,400 | 10.78 |
| 02.01.39.04 | 4375.00 | SF | 620,900 | 0 | 0 | 0 | 0 | 0 | 620,900 | 141.93 |
| 02.01.39.05 | 615.00 | CY | 36,400 | 0 | 0 | 0 | 0 | 0 | 36,400 | 59.19 |
| 02.01.39.06 | 1033.00 | CY | 17,700 | 0 | 0 | 0 | 0 | 0 | 17,700 | 17.14 |
| 02.01.39.07 | 55.00 | CY | 16,400 | 0 | 0 | 0 | 0 | 0 | 16,400 | 298.85 |
| 02.01.39.08 | 55.00 | CY | 7,200 | 0 | 0 | 0 | 0 | 0 | 7,200 | 130.99 |
| 02.01.39.09 | 3256.00 | SY | 275,400 | 0 | 0 | 0 | 0 | 0 | 275,400 | 84.58 |
| 02.01.39.10 | 685.00 | SY | 34,000 | 0 | 0 | 0 | 0 | 0 | 34,000 | 49.69 |
| 02.01.39.11 | 702.00 | SY | 288,400 | 0 | 0 | 0 | 0 | 0 | 288,400 | 410.76 |
| 02.01.39.12 | 140.00 | CY | 98,100 | 0 | 0 | 0 | 0 | 0 | 98,100 | 700.62 |
| TOTAL APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39.12 | 1.00 | JOB | 1,481,700 | 0 | 0 | 0 | 0 | 0 | 1,481,700 | 1481688 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.01.99.01 | 29.00 | MO | 3,796,300 | 0 | 0 | 0 | 0 | 0 | 3,796,300 | 130905.37 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 3,796,300 | 0 | 0 | 0 | 0 | 0 | 3,796,300 | 3796256 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| | 1.00 | JOB | 15,165,800 | 0 | 0 | 0 | 0 | 0 | 15,165,800 | 15165847 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 | 1.00 | EA | 3,466,500 | 0 | 0 | 0 | 0 | 0 | 3,466,500 | 3466525 |
| TOTAL UTILITIES | | | | | | | | | | |
| | 1.00 | JOB | 3,466,500 | 0 | 0 | 0 | 0 | 0 | 3,466,500 | 3466525 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 | 9.00 | MO | 1,178,200 | 0 | 0 | 0 | 0 | 0 | 1,178,200 | 130907.83 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 1,178,200 | 0 | 0 | 0 | 0 | 0 | 1,178,200 | 1178171 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| | 1.00 | JOB | 4,644,700 | 0 | 0 | 0 | 0 | 0 | 4,644,700 | 4644696 |
| TOTAL RELOCATIONS | | | | | | | | | | |
| | 1.00 | JOB | 19,810,500 | 0 | 0 | 0 | 0 | 0 | 19,810,500 | 19810542 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 | 2.00 | EA | 27,100 | 0 | 0 | 0 | 0 | 0 | 27,100 | 13530.13 |
| TOTAL DRAINAGE | | | | | | | | | | |
| | 1.00 | JOB | 27,100 | 0 | 0 | 0 | 0 | 0 | 27,100 | 27060.26 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 | 110.00 | LF | 10,100 | 0 | 0 | 0 | 0 | 0 | 10,100 | 91.67 |
| 11.02.03.02 | 110.00 | LF | 620,300 | 0 | 0 | 0 | 0 | 0 | 620,300 | 5638.80 |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | | |
| | 1.00 | JOB | 630,400 | 0 | 0 | 0 | 0 | 0 | 630,400 | 630352.50 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 | 110.00 | LF | 360,800 | 0 | 0 | 0 | 0 | 0 | 360,800 | 3279.77 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|-----------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 11.02.05.02 | 2920.00 | SF | 481,700 | 0 | 0 | 0 | 0 | 0 | 481,700 | 164.96 |
| 11.02.05.03 | 1822.00 | CY | 107,800 | 0 | 0 | 0 | 0 | 0 | 107,800 | 59.19 |
| 11.02.05.04 | 1791.00 | CY | 17,700 | 0 | 0 | 0 | 0 | 0 | 17,700 | 9.88 |
| 11.02.05.05 | 161.00 | CY | 48,100 | 0 | 0 | 0 | 0 | 0 | 48,100 | 298.85 |
| 11.02.05.06 | 161.00 | CY | 21,100 | 0 | 0 | 0 | 0 | 0 | 21,100 | 130.99 |
| TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 1,037,200 | 0 | 0 | 0 | 0 | 0 | 1,037,200 | 1037197 |
| 11.02.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01 | 4.00 | MO | 523,700 | 0 | 0 | 0 | 0 | 0 | 523,700 | 130925.67 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 523,700 | 0 | 0 | 0 | 0 | 0 | 523,700 | 523702.68 |
| TOTAL FLOODWALLS | 1.00 | JOB | 2,218,300 | 0 | 0 | 0 | 0 | 0 | 2,218,300 | 2218312 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 2,218,300 | 0 | 0 | 0 | 0 | 0 | 2,218,300 | 2218312 |
| 30 PLANNING, ENGINEERING AND DESIGN | | | | | | | | | | |
| 30.26 PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | | |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.26 PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | | |
| TOTAL VIRGINA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 22,028,900 | 0 | 0 | 0 | 0 | 0 | 22,028,900 | 22028854 |

| | QUANTITY UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|------------------------------------------|--------------|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 JOB | 13,572,400 | 0 | 814,300 | 1,150,900 | 310,800 | 3,962,100 | 19,810,500 | 19810542 |
| 11 LEVEES AND FLOODWALLS | 1.00 JOB | 1,519,800 | 0 | 91,200 | 128,900 | 34,800 | 443,700 | 2,218,300 | 2218312 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | |
| TOTAL VIRGINIA STREET BRIDGE REPLACEMENT | 1.00 JOB | 15,092,200 | 0 | 905,500 | 1,279,800 | 345,600 | 4,405,800 | 22,028,900 | 22028854 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|--------------|----------|----------|---------|--------|---------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 808,100 | 0 | 48,500 | 68,500 | 18,500 | 235,900 | 1,179,500 | 1179519 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 808,100 | 0 | 48,500 | 68,500 | 18,500 | 235,900 | 1,179,500 | 1179519 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 6.00 | EA | 6,000 | 0 | 400 | 500 | 100 | 1,700 | 8,700 | 1452.85 |
| 02.01.03.02 Remove Pilasters | 14.00 | EA | 17,900 | 0 | 1,100 | 1,500 | 400 | 5,200 | 26,100 | 1862.23 |
| 02.01.03.03 Remove Bridge Railing | 295.00 | LF | 25,100 | 0 | 1,500 | 2,100 | 600 | 7,300 | 36,600 | 124.15 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 600.00 | LF | 900 | 0 | 100 | 100 | 0 | 300 | 1,300 | 2.24 |
| 02.01.03.05 Remove Asphalt Pavement | 2952.00 | SY | 7,200 | 0 | 400 | 600 | 200 | 2,100 | 10,500 | 3.55 |
| 02.01.03.06 Remove Sidewalk | 2160.00 | SY | 37,500 | 0 | 2,200 | 3,200 | 900 | 10,900 | 54,700 | 25.32 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 75,100 | 0 | 4,500 | 6,400 | 1,700 | 21,900 | 109,600 | 2740.02 |
| 02.01.03.10 Structure Excavation | 450.00 | CY | 19,200 | 0 | 1,200 | 1,600 | 400 | 5,600 | 28,100 | 62.37 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 167,000 | 0 | 10,000 | 14,200 | 3,800 | 48,800 | 243,800 | 121892.16 |
| 02.01.03.12 Concrete Pier Removal | 2.00 | EA | 38,000 | 0 | 2,300 | 3,200 | 900 | 11,100 | 55,400 | 27715.39 |
| 02.01.03.13 Granular Backfill | 620.00 | CY | 28,100 | 0 | 1,700 | 2,400 | 600 | 8,200 | 41,000 | 66.07 |
| 02.01.03.15 Remove Arch Backfill | 2260.00 | CY | 105,800 | 0 | 6,300 | 9,000 | 2,400 | 30,900 | 154,400 | 68.30 |
| 02.01.03.16 Concrete Arch Removal | 1185.00 | CY | 157,400 | 0 | 9,400 | 13,300 | 3,600 | 45,900 | 229,700 | 193.85 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 685,000 | 0 | 41,100 | 58,100 | 15,700 | 200,000 | 999,900 | 999861.59 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 600.00 | LF | 1,234,100 | 0 | 74,000 | 104,600 | 28,300 | 360,200 | 1,801,200 | 3002.08 |
| 02.01.05.02 Structure Excavation | 1724.00 | CY | 69,900 | 0 | 4,200 | 5,900 | 1,600 | 20,400 | 102,000 | 59.19 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 153.00 | CY | 31,300 | 0 | 1,900 | 2,700 | 700 | 9,100 | 45,700 | 298.85 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 153.00 | CY | 13,700 | 0 | 800 | 1,200 | 300 | 4,000 | 20,000 | 130.99 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 15,700 | 0 | 900 | 1,300 | 400 | 4,600 | 22,900 | 91.64 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 967,100 | 0 | 58,000 | 82,000 | 22,100 | 282,300 | 1,411,700 | 5646.68 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 100,400 | 0 | 6,000 | 8,500 | 2,300 | 29,300 | 146,500 | 796.34 |
| 02.01.05.08 Granular Fill | 1532.00 | CY | 55,900 | 0 | 3,400 | 4,700 | 1,300 | 16,300 | 81,600 | 53.29 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 2,488,200 | 0 | 149,300 | 211,000 | 57,000 | 726,400 | 3,631,800 | 1815896 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------|----------------------------------|-----|--------------|----------|----------|---------|--------|---------|------------|-----------|
| 02.01.06.01 | 234.00 | CY | 160,400 | 0 | 9,600 | 13,600 | 3,700 | 46,800 | 234,100 | 1000.28 |
| TOTAL BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |
| 02.01.07 | BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | |
| 02.01.07.01 | 11850.00 | SF | 1,483,500 | 0 | 89,000 | 125,800 | 34,000 | 433,100 | 2,165,400 | 182.73 |
| 02.01.07.02 | 11850.00 | SF | 861,200 | 0 | 51,700 | 73,000 | 19,700 | 251,400 | 1,257,000 | 106.07 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.08 | BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | |
| 02.01.08.01 | 8370.00 | SF | 233,500 | 0 | 14,000 | 19,800 | 5,300 | 68,200 | 340,800 | 40.72 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.13 | TRAFFIC CONTROL | | | | | | | | | |
| 02.01.13.01 | 1.00 | EA | 12,900 | 0 | 800 | 1,100 | 300 | 3,800 | 18,800 | 18839.94 |
| TOTAL TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.19 | CONSTRUCT ROADDED TO SUBGRADE | | | | | | | | | |
| 02.01.19.01 | 1821.00 | CY | 41,600 | 0 | 2,500 | 3,500 | 1,000 | 12,100 | 60,700 | 33.31 |
| TOTAL CONSTRUCT ROADDED TO SUBGRADE | | | | | | | | | | |
| 02.01.39 | APPROACH ROADWAY | | | | | | | | | |
| 02.01.39.01 | 3256.00 | SY | 50,400 | 0 | 3,000 | 4,300 | 1,200 | 14,700 | 73,500 | 22.59 |
| 02.01.39.02 | 1053.00 | LF | 4,300 | 0 | 300 | 400 | 100 | 1,200 | 6,200 | 5.91 |
| 02.01.39.03 | 685.00 | SY | 5,100 | 0 | 300 | 400 | 100 | 1,500 | 7,400 | 10.78 |
| 02.01.39.04 | 4375.00 | SF | 425,400 | 0 | 25,500 | 36,100 | 9,700 | 124,200 | 620,900 | 141.93 |
| 02.01.39.05 | 615.00 | CY | 24,900 | 0 | 1,500 | 2,100 | 600 | 7,300 | 36,400 | 59.19 |
| 02.01.39.06 | 1033.00 | CY | 12,100 | 0 | 700 | 1,000 | 300 | 3,500 | 17,700 | 17.14 |
| 02.01.39.07 | 55.00 | CY | 11,300 | 0 | 700 | 1,000 | 300 | 3,300 | 16,400 | 298.85 |
| 02.01.39.08 | 55.00 | CY | 4,900 | 0 | 300 | 400 | 100 | 1,400 | 7,200 | 130.99 |
| 02.01.39.09 | 3256.00 | SY | 188,700 | 0 | 11,300 | 16,000 | 4,300 | 55,100 | 275,400 | 84.58 |
| 02.01.39.10 | 685.00 | SY | 23,300 | 0 | 1,400 | 2,000 | 500 | 6,800 | 34,000 | 49.69 |
| 02.01.39.11 | 702.00 | SY | 197,600 | 0 | 11,900 | 16,800 | 4,500 | 57,700 | 288,400 | 410.76 |
| 02.01.39.12 | 140.00 | CY | 67,200 | 0 | 4,000 | 5,700 | 1,500 | 19,600 | 98,100 | 700.62 |
| TOTAL APPROACH ROADWAY | | | | | | | | | | |
| | 1.00 | JOB | 1,015,100 | 0 | 60,900 | 86,100 | 23,200 | 296,300 | 1,481,700 | 1481688 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.01.99.01 | 29.00 | MO | 2,600,900 | 0 | 156,100 | 220,600 | 59,500 | 759,300 | 3,796,300 | 130905.37 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 2,600,900 | 0 | 156,100 | 220,600 | 59,500 | 759,300 | 3,796,300 | 3796256 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| | 1.00 | JOB | 10,390,300 | 0 | 623,400 | 881,100 | 237,900 | 3,033,200 | 15,165,800 | 15165847 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 | 1.00 | EA | 2,375,000 | 0 | 142,500 | 201,400 | 54,400 | 693,300 | 3,466,500 | 3466525 |
| TOTAL UTILITIES | | | | | | | | | | |
| | 1.00 | JOB | 2,375,000 | 0 | 142,500 | 201,400 | 54,400 | 693,300 | 3,466,500 | 3466525 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 | 9.00 | MO | 807,200 | 0 | 48,400 | 68,400 | 18,500 | 235,600 | 1,178,200 | 130907.83 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 807,200 | 0 | 48,400 | 68,400 | 18,500 | 235,600 | 1,178,200 | 1178171 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| | 1.00 | JOB | 3,182,100 | 0 | 190,900 | 269,800 | 72,900 | 928,900 | 4,644,700 | 4644696 |
| TOTAL RELOCATIONS | | | | | | | | | | |
| | 1.00 | JOB | 13,572,400 | 0 | 814,300 | 1,150,900 | 310,800 | 3,962,100 | 19,810,500 | 19810542 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 | 2.00 | EA | 18,500 | 0 | 1,100 | 1,600 | 400 | 5,400 | 27,100 | 13530.13 |
| TOTAL DRAINAGE | | | | | | | | | | |
| | 1.00 | JOB | 18,500 | 0 | 1,100 | 1,600 | 400 | 5,400 | 27,100 | 27060.26 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 | 110.00 | LF | 6,900 | 0 | 400 | 600 | 200 | 2,000 | 10,100 | 91.67 |
| 11.02.03.02 | 110.00 | LF | 425,000 | 0 | 25,500 | 36,000 | 9,700 | 124,100 | 620,300 | 5638.80 |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | | |
| | 1.00 | JOB | 431,900 | 0 | 25,900 | 36,600 | 9,900 | 126,100 | 630,400 | 630352.50 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 | 110.00 | LF | 247,200 | 0 | 14,800 | 21,000 | 5,700 | 72,200 | 360,800 | 3279.77 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|-----------------------------------------|----------|-----|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 11.02.05.02 | 2920.00 | SF | 330,000 | 0 | 19,800 | 28,000 | 7,600 | 96,300 | 481,700 | 164.96 |
| 11.02.05.03 | 1822.00 | CY | 73,900 | 0 | 4,400 | 6,300 | 1,700 | 21,600 | 107,800 | 59.19 |
| 11.02.05.04 | 1791.00 | CY | 12,100 | 0 | 700 | 1,000 | 300 | 3,500 | 17,700 | 9.88 |
| 11.02.05.05 | 161.00 | CY | 33,000 | 0 | 2,000 | 2,800 | 800 | 9,600 | 48,100 | 298.85 |
| 11.02.05.06 | 161.00 | CY | 14,400 | 0 | 900 | 1,200 | 300 | 4,200 | 21,100 | 130.99 |
| TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 710,600 | 0 | 42,600 | 60,300 | 16,300 | 207,400 | 1,037,200 | 1037197 |
| 11.02.99 | | | | | | | | | | |
| 11.02.99.01 | 4.00 | MO | 358,800 | 0 | 21,500 | 30,400 | 8,200 | 104,700 | 523,700 | 130925.67 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 358,800 | 0 | 21,500 | 30,400 | 8,200 | 104,700 | 523,700 | 523702.68 |
| TOTAL FLOODWALLS | 1.00 | JOB | 1,519,800 | 0 | 91,200 | 128,900 | 34,800 | 443,700 | 2,218,300 | 2218312 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 1,519,800 | 0 | 91,200 | 128,900 | 34,800 | 443,700 | 2,218,300 | 2218312 |
| 30 | | | | | | | | | | |
| 30.26 | | | | | | | | | | |
| 31 | | | | | | | | | | |
| 31.26 | | | | | | | | | | |
| TOTAL VIRGINA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 15,092,200 | 0 | 905,500 | 1,279,800 | 345,600 | 4,405,800 | 22,028,900 | 22028854 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 36,100 | 4,618,300 | 1,368,700 | 2,758,300 | 4,827,100 | 13,572,400 | 13572397 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 4,900 | 516,300 | 140,900 | 266,600 | 596,100 | 1,519,800 | 1519787 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | |
| TOTAL VIRGINIA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 41,000 | 5,134,500 | 1,509,600 | 3,024,800 | 5,423,200 | 15,092,200 | 15092185 |
| HOME OFFICE OVERHEAD (G & A) | 6.00 | % | | | | | | 905,500 | |
| SUBTOTAL | | | | | | | | 15,997,700 | |
| PROFIT | 8.00 | % | | | | | | 1,279,800 | |
| SUBTOTAL | | | | | | | | 17,277,500 | |
| BOND | 2.00 | % | | | | | | 345,600 | |
| SUBTOTAL | | | | | | | | 17,623,100 | |
| ESTIMATE/DESIGN CONTINGENCY | 25.00 | % | | | | | | 4,405,800 | |
| TOTAL INCL INDIRECTS | | | | | | | | 22,028,900 | |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------|---------|----------|----------|-----------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 6.00 | EA | 100 | 3,900 | 2,100 | 0 | 0 | 6,000 | 995.36 |
| 02.01.03.02 Remove Pilasters | 14.00 | EA | 200 | 10,100 | 7,800 | 0 | 0 | 17,900 | 1275.83 |
| 02.01.03.03 Remove Bridge Railing | 295.00 | LF | 300 | 14,200 | 10,900 | 0 | 0 | 25,100 | 85.06 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 600.00 | LF | 0 | 700 | 200 | 0 | 0 | 900 | 1.53 |
| 02.01.03.05 Remove Asphalt Pavement | 2952.00 | SY | 100 | 3,400 | 1,800 | 0 | 2,000 | 7,200 | 2.43 |
| 02.01.03.06 Remove Sidewalk | 2160.00 | SY | 400 | 21,200 | 11,700 | 0 | 4,600 | 37,500 | 17.35 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 700 | 37,100 | 38,000 | 0 | 0 | 75,100 | 1877.22 |
| 02.01.03.10 Structure Excavation | 450.00 | CY | 200 | 10,600 | 8,700 | 0 | 0 | 19,200 | 42.73 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 1,700 | 78,200 | 74,100 | 0 | 14,800 | 167,000 | 83509.51 |
| 02.01.03.12 Concrete Pier Removal | 400 | EA | 400 | 17,900 | 17,000 | 0 | 3,000 | 38,000 | 18988.09 |
| 02.01.03.13 Granular Backfill | 620.00 | CY | 200 | 6,900 | 5,600 | 15,600 | 0 | 28,100 | 45.27 |
| 02.01.03.15 Remove Arch Backfill | 2260.00 | CY | 1,200 | 57,200 | 48,600 | 0 | 0 | 105,800 | 46.80 |
| 02.01.03.16 Concrete Arch Removal | 1185.00 | CY | 1,500 | 69,700 | 74,800 | 0 | 12,900 | 157,400 | 132.81 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 6,900 | 330,900 | 301,300 | 15,600 | 37,200 | 685,000 | 685015.00 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 600.00 | LF | 3,100 | 284,300 | 29,500 | 362,100 | 558,100 | 1,234,100 | 2056.75 |
| 02.01.05.02 Structure Excavation | 1724.00 | CY | 900 | 38,400 | 31,500 | 0 | 0 | 69,900 | 40.55 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 153.00 | CY | 100 | 4,600 | 3,800 | 0 | 23,000 | 31,300 | 204.74 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 153.00 | CY | 100 | 4,600 | 3,800 | 0 | 5,400 | 13,700 | 89.74 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 200 | 10,100 | 1,700 | 3,900 | 0 | 15,700 | 62.79 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 2,900 | 114,200 | 5,400 | 156,200 | 691,400 | 967,100 | 3868.60 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 500 | 35,000 | 5,800 | 59,700 | 0 | 100,400 | 545.58 |
| 02.01.05.08 Granular Fill | 1532.00 | CY | 400 | 17,400 | 7,800 | 30,700 | 0 | 55,900 | 36.51 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 8,300 | 508,600 | 89,200 | 612,600 | 1,277,800 | 2,488,200 | 1244088 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------|---------|----------|-----------|---------|------------|-----------|
| 02.01.06.01 Concrete Abutment Wall | 234.00 | CY | 1,500 | 75,700 | 17,800 | 66,900 | 0 | 160,400 | 685.30 |
| TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 1,500 | 75,700 | 17,800 | 66,900 | 0 | 160,400 | 80179.96 |
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | |
| 02.01.07.01 Bridge Superstructure | 11850.00 | SF | 4,500 | 293,400 | 91,000 | 1,099,100 | 0 | 1,483,500 | 125.19 |
| 02.01.07.02 Bridge Deck | 11850.00 | SF | 8,000 | 413,600 | 96,000 | 351,500 | 0 | 861,200 | 72.67 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | 11850.00 | SF | 12,400 | 707,100 | 187,100 | 1,450,500 | 0 | 2,344,700 | 197.86 |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | |
| 02.01.08.01 Bridge General Items | 8370.00 | SF | 400 | 25,100 | 9,900 | 40,000 | 158,400 | 233,500 | 27.90 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 400 | 25,100 | 9,900 | 40,000 | 158,400 | 233,500 | 233510.18 |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | |
| 02.01.13.01 Sitework | 1.00 | EA | 100 | 4,500 | 0 | 8,400 | 0 | 12,900 | 12907.43 |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 100 | 4,500 | 0 | 8,400 | 0 | 12,900 | 12907.43 |
| 02.01.19 CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | |
| 02.01.19.01 Roadway Backfill | 1821.00 | CY | 100 | 3,300 | 3,400 | 34,900 | 0 | 41,600 | 22.82 |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 100 | 3,300 | 3,400 | 34,900 | 0 | 41,600 | 41556.14 |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | |
| 02.01.39.01 Removal of Concrete Pavement | 3256.00 | SY | 400 | 22,000 | 17,000 | 0 | 11,400 | 50,400 | 15.48 |
| 02.01.39.02 Removal of Curb | 1053.00 | LF | 0 | 2,300 | 1,800 | 0 | 200 | 4,300 | 4.05 |
| 02.01.39.03 Removal of Sidewalk | 685.00 | SY | 0 | 2,300 | 1,800 | 0 | 1,000 | 5,100 | 7.39 |
| 02.01.39.04 Retaining Walls | 4375.00 | SF | 2,700 | 162,700 | 32,000 | 230,700 | 0 | 425,400 | 97.23 |
| 02.01.39.05 Structure Excavation | 615.00 | CY | 300 | 13,700 | 11,200 | 0 | 0 | 24,900 | 40.55 |
| 02.01.39.06 Granular Backfill | 1033.00 | CY | 100 | 3,000 | 2,500 | 6,700 | 0 | 12,100 | 11.74 |
| 02.01.39.07 Struct Excav & Dispos Hazardous | 55.00 | CY | 0 | 1,700 | 1,400 | 0 | 8,300 | 11,300 | 204.74 |
| 02.01.39.08 Struct Excav & Dispos Non-Haz | 55.00 | CY | 0 | 1,700 | 1,400 | 0 | 1,900 | 4,900 | 89.74 |
| 02.01.39.09 Asphalt Pavement | 3256.00 | SY | 600 | 38,800 | 17,600 | 132,200 | 0 | 188,700 | 57.95 |
| 02.01.39.10 Sidewalk | 685.00 | SY | 100 | 6,400 | 1,500 | 15,500 | 0 | 23,300 | 34.04 |
| 02.01.39.11 Concrete Pedestrian Ramp | 702.00 | SY | 1,700 | 89,800 | 21,200 | 86,500 | 0 | 197,600 | 281.41 |
| 02.01.39.12 Bridge Approach Slab | 140.00 | CY | 300 | 20,000 | 3,200 | 44,000 | 0 | 67,200 | 480.00 |
| TOTAL APPROACH ROADWAY | 1.00 | JOB | 6,500 | 364,200 | 112,500 | 515,600 | 22,800 | 1,015,100 | 1015119 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 02.01.99 | | | | | | | | | |
| ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 02.01.99.01 | 29.00 | MO | 100 | 1,983,400 | 494,200 | 10,400 | 112,800 | 2,600,900 | 89684.56 |
| | | | | | | | | | |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| | 1.00 | JOB | 100 | 1,983,400 | 494,200 | 10,400 | 112,800 | 2,600,900 | 2600852 |
| | | | | | | | | | |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
| | 1.00 | JOB | 36,100 | 4,002,700 | 1,215,400 | 2,755,000 | 2,417,100 | 10,390,300 | 10390271 |
| 02.03 | | | | | | | | | |
| CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | |
| 02.03.18 | | | | | | | | | |
| UTILITIES | | | | | | | | | |
| 02.03.18.01 | 1.00 | EA | 0 | 0 | 0 | 0 | 2,375,000 | 2,375,000 | 2374950 |
| | | | | | | | | | |
| TOTAL UTILITIES | | | | | | | | | |
| | 1.00 | JOB | 0 | 0 | 0 | 0 | 2,375,000 | 2,375,000 | 2374950 |
| 02.03.99 | | | | | | | | | |
| ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 02.03.99.01 | 9.00 | MO | 0 | 615,600 | 153,400 | 3,200 | 35,000 | 807,200 | 89686.24 |
| | | | | | | | | | |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| | 1.00 | JOB | 0 | 615,600 | 153,400 | 3,200 | 35,000 | 807,200 | 807176.19 |
| | | | | | | | | | |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | |
| | 1.00 | JOB | 0 | 615,600 | 153,400 | 3,200 | 2,410,000 | 3,182,100 | 3182127 |
| | | | | | | | | | |
| TOTAL RELOCATIONS | | | | | | | | | |
| | 1.00 | JOB | 36,100 | 4,618,300 | 1,368,700 | 2,758,300 | 4,827,100 | 13,572,400 | 13572397 |
| 11 | | | | | | | | | |
| LEVEES AND FLOODWALLS | | | | | | | | | |
| 11.02 | | | | | | | | | |
| FLOODWALLS | | | | | | | | | |
| 11.02.02 | | | | | | | | | |
| DRAINAGE | | | | | | | | | |
| 11.02.02.01 | 2.00 | EA | 100 | 6,200 | 1,300 | 11,100 | 0 | 18,500 | 9269.63 |
| | | | | | | | | | |
| TOTAL DRAINAGE | | | | | | | | | |
| | 1.00 | JOB | 100 | 6,200 | 1,300 | 11,100 | 0 | 18,500 | 18539.25 |
| 11.02.03 | | | | | | | | | |
| CARE & DIVERSION OF WATER | | | | | | | | | |
| 11.02.03.01 | 110.00 | LF | 100 | 4,400 | 700 | 1,700 | 0 | 6,900 | 62.81 |
| | | | | | | | | | |
| 11.02.03.02 | 110.00 | LF | 1,300 | 50,200 | 2,400 | 68,700 | 303,600 | 425,000 | 3863.20 |
| | | | | | | | | | |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | |
| | 1.00 | JOB | 1,400 | 54,700 | 3,100 | 70,500 | 303,600 | 431,900 | 431860.69 |
| 11.02.05 | | | | | | | | | |
| FLOODWALL CONSTRUCTION | | | | | | | | | |
| 11.02.05.01 | 110.00 | LF | 0 | 0 | 0 | 0 | 247,200 | 247,200 | 2247.00 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 11.02.05.02 | 2920.00 | SF | 2,100 | 128,600 | 24,600 | 176,900 | 0 | 330,000 | 113.01 |
| 11.02.05.03 | 1822.00 | CY | 900 | 40,600 | 33,300 | 0 | 0 | 73,900 | 40.55 |
| 11.02.05.04 | 1791.00 | CY | 100 | 3,000 | 2,500 | 6,700 | 0 | 12,100 | 6.77 |
| 11.02.05.05 | 161.00 | CY | 100 | 4,800 | 4,000 | 0 | 24,200 | 33,000 | 204.74 |
| 11.02.05.06 | 161.00 | CY | 100 | 4,800 | 4,000 | 0 | 5,600 | 14,400 | 89.74 |
| TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 3,400 | 181,800 | 68,300 | 183,500 | 277,000 | 710,600 | 710593.70 |
| 11.02.99 | | | | | | | | | |
| ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 11.02.99.01 | 4.00 | MO | 0 | 273,600 | 68,200 | 1,400 | 15,600 | 358,800 | 89698.46 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 0 | 273,600 | 68,200 | 1,400 | 15,600 | 358,800 | 358793.85 |
| TOTAL FLOODWALLS | 1.00 | JOB | 4,900 | 516,300 | 140,900 | 266,600 | 596,100 | 1,519,800 | 1519787 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 4,900 | 516,300 | 140,900 | 266,600 | 596,100 | 1,519,800 | 1519787 |
| 30 | | | | | | | | | |
| PLANNING, ENGINEERING AND DESIGN | | | | | | | | | |
| 30.26 | | | | | | | | | |
| PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | |
| 31 | | | | | | | | | |
| CONSTRUCTION MANAGEMENT | | | | | | | | | |
| 31.26 | | | | | | | | | |
| PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | |
| TOTAL VIRGINA STREET BRIDGE REPLACEMENT | 1.00 | JOB | 41,000 | 5,134,500 | 1,509,600 | 3,024,800 | 5,423,200 | 15,092,200 | 15092185 |
| HOME OFFICE OVERHEAD (G & A) | 6.00 | % | | | | | | 905,500 | |
| SUBTOTAL | | | | | | | | 15,997,700 | |
| PROFIT | 8.00 | % | | | | | | 1,279,800 | |
| SUBTOTAL | | | | | | | | 17,277,500 | |
| BOND | 2.00 | % | | | | | | 345,600 | |
| SUBTOTAL | | | | | | | | 17,623,100 | |
| ESTIMATE/DESIGN CONTINGENCY | 25.00 | % | | | | | | 4,405,800 | |
| TOTAL INCL INDIRECTS | | | | | | | | 22,028,900 | |

01. LANDS AND DAMAGES
 02. RELOCATIONS

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST |
|--------------------------------------------------|----------|-----|-----------|-----------|-----------|-----------|-----------|------------|
| AA PRIME CONTRACTOR | | | | | | | | |
| FE Fence - Subcontractor | 1.00 | JOB | 100 | 3,300 | 0 | 3,300 | 0 | 6,500 |
| PM Pavement Marking - Subcontractor | 1.00 | JOB | 0 | 1,500 | 1,200 | 1,500 | 0 | 4,100 |
| EL Electrical - Subcontractor | 1.00 | JOB | 300 | 13,100 | 7,200 | 0 | 41,900 | 62,200 |
| UT Util.Gas,Water,Sewer - Subcontr | 1.00 | JOB | 0 | 0 | 0 | 0 | 1,678,100 | 1,678,100 |
| SP A/C Pavement - Subcontractor | 1.00 | JOB | 600 | 28,600 | 13,000 | 97,600 | 0 | 139,300 |
| ST Reinforcing/Steel - Subcontractr | 1.00 | JOB | 5,900 | 394,000 | 40,900 | 581,000 | 0 | 1,015,900 |
| SB Sign & Barricade - Subcontractor | 1.00 | JOB | 0 | 100 | 0 | 3,100 | 0 | 3,200 |
| DS Drilled Shaft - Subcontractor | 1.00 | JOB | 0 | 0 | 0 | 0 | 435,000 | 435,000 |
| Subtotal Subcontract Work | 1.00 | JOB | 6,900 | 440,500 | 62,300 | 686,400 | 2,155,000 | 3,344,300 |
| Subcontracts Incl Indirect Contractor's Own Work | 1.00 | JOB | 6,900 | 595,200 | 84,000 | 928,400 | 2,987,800 | 4,595,300 |
| 1.00 JOB | 29,200 | | 4,023,100 | 1,284,800 | 1,829,900 | 1,839,300 | | 8,977,100 |
| AA PRIME CONTRACTOR | | | | | | | | |
| 1.00 JOB | 36,100 | | 4,618,300 | 1,368,700 | 2,758,300 | 4,827,100 | | 13,572,400 |
| AA PRIME CONTRACTOR | | | | | | | | |
| ST Reinforcing/Steel - Subcontractr | 1.00 | JOB | 700 | 46,000 | 4,800 | 63,400 | 0 | 114,100 |
| Subtotal Subcontract Work | 1.00 | JOB | 700 | 46,000 | 4,800 | 63,400 | 0 | 114,100 |
| Subcontracts Incl Indirect Contractor's Own Work | 1.00 | JOB | 700 | 62,200 | 6,500 | 85,700 | 0 | 154,400 |
| 1.00 JOB | 4,200 | | 454,100 | 134,400 | 180,900 | 596,100 | | 1,365,400 |
| AA PRIME CONTRACTOR | | | | | | | | |
| 1.00 JOB | 4,900 | | 516,300 | 140,900 | 266,600 | 596,100 | | 1,519,800 |

11. LEVEES AND FLOODWALLS

30. PLANNING, ENGINEERING AND DESIGN
 31. CONSTRUCTION MANAGEMENT

TOTAL DIRECT FIELD OH HMOFC/GA PROFIT BOND E&D CON TOTAL COST UNIT COST

01. LANDS AND DAMAGES
02. RELOCATIONS

| | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|-------------------------------------|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| AA PRIME CONTRACTOR | | | | | | | | |
| FE Fence - Subcontractor | 6,500 | 800 | 600 | 800 | 0 | 0 | 8,700 | 8690.20 |
| PM Pavement Marking - Subcontractor | 4,100 | 500 | 400 | 500 | 0 | 0 | 5,500 | 5510.85 |
| EL Electrical - Subcontractor | 62,200 | 5,000 | 5,400 | 8,700 | 0 | 0 | 81,300 | 81264.11 |
| UT Util.Gas,Water,Sewer - Subcontr | 1,678,100 | 285,300 | 157,100 | 254,500 | 0 | 0 | 2,375,000 | 2374950 |
| SP A/C Pavement - Subcontractor | 139,300 | 16,700 | 12,500 | 20,200 | 0 | 0 | 188,700 | 188671.78 |
| ST Reinforcing/Steel - Subcontractr | 1,015,900 | 152,400 | 58,400 | 147,200 | 0 | 0 | 1,373,800 | 1373848 |
| SB Sign & Barricade - Subcontractor | 3,200 | 400 | 200 | 500 | 0 | 0 | 4,200 | 4217.22 |
| DS Drilled Shaft - Subcontractor | 435,000 | 43,500 | 38,300 | 41,300 | 0 | 0 | 558,100 | 558122.40 |
| Subtotal Subcontract Work | 3,344,300 | 504,500 | 272,800 | 473,700 | 0 | 0 | 4,595,300 | 4595275 |
| Indirect on Subcontracts | 4,595,300 | 0 | 275,700 | 389,700 | 105,200 | 1,341,500 | 6,707,400 | 6707356 |
| Indirect on Own Work | 8,977,100 | 0 | 538,600 | 761,300 | 205,500 | 2,620,600 | 13,103,200 | 13103186 |
| AA PRIME CONTRACTOR | 13,572,400 | 0 | 814,300 | 1,150,900 | 310,800 | 3,962,100 | 19,810,500 | 19810542 |

11. LEVEES AND FLOODWALLS

| | | | | | | | | |
|-------------------------------------|-----------|--------|--------|---------|--------|---------|-----------|-----------|
| AA PRIME CONTRACTOR | | | | | | | | |
| ST Reinforcing/Steel - Subcontractr | 114,100 | 17,100 | 6,600 | 16,500 | 0 | 0 | 154,400 | 154351.32 |
| Subtotal Subcontract Work | 114,100 | 17,100 | 6,600 | 16,500 | 0 | 0 | 154,400 | 154351.32 |
| Indirect on Subcontracts | 154,400 | 0 | 9,300 | 13,100 | 3,500 | 45,100 | 225,300 | 225294.27 |
| Indirect on Own Work | 1,365,400 | 0 | 81,900 | 115,800 | 31,300 | 398,600 | 1,993,000 | 1993018 |
| AA PRIME CONTRACTOR | 1,519,800 | 0 | 91,200 | 128,900 | 34,800 | 443,700 | 2,218,300 | 2218312 |

30. PLANNING, ENGINEERING AND DESIGN
31. CONSTRUCTION MANAGEMENT

| 01.18. GENERAL REEVALUATION REPORT (GRR) | QUANTY UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|------------|---------|-------|----------|----------|-------|------------|-----------|
| 01. LANDS AND DAMAGES | | | | | | | | |
| 01.18. GENERAL REEVALUATION REPORT (GRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL GENERAL REEVALUATION REPORT (GRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.19. LIMITED REEVALUATION REPORT (LRR) | | | | | | | | |
| 01.19. LIMITED REEVALUATION REPORT (LRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LIMITED REEVALUATION REPORT (LRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.20. PROJECT DESIGN MEMORANDUM (PDM) | | | | | | | | |
| 01.20. PROJECT DESIGN MEMORANDUM (PDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT DESIGN MEMORANDUM (PDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.21. FEATURE DESIGN MEMORANDUM (FDM) | | | | | | | | |
| 01.21. FEATURE DESIGN MEMORANDUM (FDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL FEATURE DESIGN MEMORANDUM (FDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.23. PURCHASE RIGHT-OF-WAY | | | | | | | | |
| 01.23. PURCHASE RIGHT-OF-WAY | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PURCHASE RIGHT-OF-WAY | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LANDS AND DAMAGES | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0.00 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

02. RELOCATIONS

02.01. ROADS, CONSTRUCTION ACTIVITIES

02.01.01. MOB, DEMOB & PREP WORK

02.01.01.01. Mob/Demob & Prep Work

| DESCRIPTION | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------------------|----------|-----|---------|-------|----------|----------|-----------|------------|-----------|
| USR AA < 628 0004 > Mob & Demob Contractor & Subs | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 510100.00 | 510100.00 | 510100.00 |
| USR AA < 628 0004 > Water Quality | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 75000.00 | 75000.00 | 75000.00 |
| USR AA < 628 0004 > Final Contract Closeout | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 55000.00 | 55000.00 | 55000.00 |
| USR AA < 628 0004 > Service Connection Fees | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 21300.00 | 21300.00 | 21300.00 |
| USR AA < 628 0004 > Permits | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 40500.00 | 40500.00 | 40500.00 |
| USR AA < 628 0004 > Maintain Exit Haul Routes | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 22000.00 | 22000.00 | 22000.00 |
| USR AA < 628 0004 > Material Testing | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 24200.00 | 24200.00 | 24200.00 |
| USR AA < 628 0004 > SWPP- Erosion & Sediment Control | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 25000.00 | 25000.00 | 25000.00 |
| USR AA < 628 0004 > Draft & Final Contr. Submittals | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 35000.00 | 35000.00 | 35000.00 |
| TOTAL Mob/Demob & Prep Work | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808,100 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808,100 |

02.01.03. DEMOLITION/BRIDGE REMOVAL

02.01.03.01. Remove Light Fixture

| | | | | | | | | | |
|-------------------------------------------|------|----|-------|--------|--------|------|------|--------|--------|
| USR EL < 202 0008 > Remove Light Fixtures | 6.00 | EA | 10.00 | 491.50 | 270.43 | 0.00 | 0.00 | 761.93 | 761.93 |
| TOTAL Remove Light Fixture | 6.00 | EA | 60 | 3,852 | 2,120 | 0 | 0 | 5,972 | 995.36 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
|---------------------------------------------------|---------|-----|---------|--------|----------|----------|-------|------------|-----------|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
| 02.01.03.02. Remove Pilasters | | | | | | | | | |
| USR AA < 202 0008 > Remove Pilasters | 14.00 | EA | 13.33 | 719.77 | 556.07 | 0.00 | 0.00 | 1275.83 | 1275.83 |
| | | | 187 | 10,077 | 7,785 | 0 | 0 | 17,862 | 1275.83 |
| TOTAL Remove Pilasters | 14.00 | EA | 187 | 10,077 | 7,785 | 0 | 0 | 17,862 | 1275.83 |
| 02.01.03.03. Remove Bridge Railing | | | | | | | | | |
| USR AA < 202 1236 > Remove Bridge Railing | 295.00 | LF | 0.89 | 47.98 | 37.07 | 0.00 | 0.00 | 85.06 | 85.06 |
| | | | 262 | 14,155 | 10,936 | 0 | 0 | 25,091 | 85.06 |
| TOTAL Remove Bridge Railing | 295.00 | LF | 262 | 14,155 | 10,936 | 0 | 0 | 25,091 | 85.06 |
| 02.01.03.04. Saw Cut Asphalt Pavement | | | | | | | | | |
| USR AA < 202 0038 > Saw Cut Asphalt Pavement - 3" | 600.00 | LF | 0.03 | 1.16 | 0.37 | 0.00 | 0.00 | 1.53 | 1.53 |
| | | | 18 | 697 | 223 | 0 | 0 | 920 | 1.53 |
| TOTAL Saw Cut Asphalt Pavement | 600.00 | LF | 18 | 697 | 223 | 0 | 0 | 920 | 1.53 |
| 02.01.03.05. Remove Asphalt Pavement | | | | | | | | | |
| USR AA < 202 2128 > Remove Asphalt Pavement - 3" | 2952.00 | SY | 0.02 | 1.14 | 0.63 | 0.00 | 0.00 | 1.76 | 1.76 |
| | | | 68 | 3,359 | 1,848 | 0 | 0 | 5,207 | 1.76 |
| USR AA < 202 0038 > Disposal Fee; based on quote | 312.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | 0 | 0 | 0 | 0 | 1,975 | 1,975 | 6.33 |
| TOTAL Remove Asphalt Pavement | 2952.00 | SY | 68 | 3,359 | 1,848 | 0 | 1,975 | 7,182 | 2.43 |
| 02.01.03.06. Remove Sidewalk | | | | | | | | | |
| USR AA < 202 2128 > Remove Concrete Sidewalk | 2160.00 | SY | 0.20 | 9.83 | 5.41 | 0.00 | 0.00 | 15.24 | 15.24 |
| | | | 432 | 21,233 | 11,682 | 0 | 0 | 32,915 | 15.24 |
| USR AA < 202 0038 > Disposal Fee; based on quote | 720.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | 0 | 0 | 0 | 0 | 4,558 | 4,558 | 6.33 |
| TOTAL Remove Sidewalk | 2160.00 | SY | 432 | 21,233 | 11,682 | 0 | 4,558 | 37,473 | 17.35 |
| 02.01.03.08. Bridge Bearings Removal | | | | | | | | | |
| USR AA < 202 0021 > Bridge Bearing Removal | 40.00 | EA | 17.33 | 927.95 | 949.27 | 0.00 | 0.00 | 1877.22 | 1877.22 |
| | | | 693 | 37,118 | 37,971 | 0 | 0 | 75,089 | 1877.22 |

URS Corporation
 PROJECT RBV501: VIRGINIA STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 02. RELOCATIONS

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|------------------------------------------------------|---------|-----|---------|--------|---------|----------|--------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| ----- | | | | | | | | | | |
| TOTAL Bridge Bearings Removal | 40.00 | EA | 693 | 37,118 | 37,971 | 0 | 0 | 75,089 | 1877.22 | |
| ----- | | | | | | | | | | |
| 02.01.03.09. Remove Masonry Veneer | | | | | | | | | | |
| TOTAL Remove Masonry Veneer | 125.00 | CY | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | |
| ----- | | | | | | | | | | |
| 02.01.03.10. Structure Excavation | | | | | | | | | | |
| USR AA < 206 0500 > North Abut Structure Excavation | 200.00 | LCY | 0.44 | 18.79 | 15.43 | 0.00 | 0.00 | 34.21 | 34.21 | |
| | | | 88 | 3,757 | 3,085 | 0 | 0 | 6,843 | 34.21 | |
| USR AA < 206 0500 > South Abut Structure Excavation | 200.00 | LCY | 0.44 | 18.79 | 15.43 | 0.00 | 0.00 | 34.21 | 34.21 | |
| | | | 88 | 3,757 | 3,085 | 0 | 0 | 6,843 | 34.21 | |
| USR AA < 206 0500 > Center Pier Structure Excavation | 162.00 | LCY | 0.44 | 18.79 | 15.43 | 0.00 | 0.00 | 34.21 | 34.21 | |
| | | | 71 | 3,044 | 2,499 | 0 | 0 | 5,543 | 34.21 | |
| TOTAL Structure Excavation | 450.00 | CY | 246 | 10,558 | 8,670 | 0 | 0 | 19,228 | 42.73 | |
| ----- | | | | | | | | | | |
| 02.01.03.11. Concrete Abutment Removal | | | | | | | | | | |
| USR AA < 202 0008 > North Concrete Abutment Removal | 1166.00 | LCY | 0.72 | 33.51 | 31.78 | 0.00 | 0.00 | 65.29 | 65.29 | |
| | | | 842 | 39,076 | 37,053 | 0 | 0 | 76,129 | 65.29 | |
| USR AA < 202 0038 > Disposal Fee; based on quote | 1166.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 | |
| | | | 0 | 0 | 0 | 0 | 7,381 | 7,381 | 6.33 | |
| USR AA < 202 0008 > South Abutment Concrete Removal | 1166.00 | LCY | 0.72 | 33.51 | 31.78 | 0.00 | 0.00 | 65.29 | 65.29 | |
| | | | 842 | 39,076 | 37,053 | 0 | 0 | 76,129 | 65.29 | |
| USR AA < 202 0038 > Disposal Fee; based on quote | 1166.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 | |
| | | | 0 | 0 | 0 | 0 | 7,381 | 7,381 | 6.33 | |
| TOTAL Concrete Abutment Removal | 2.00 | EA | 1,684 | 78,152 | 74,106 | 0 | 14,762 | 167,019 | 83509.51 | |
| ----- | | | | | | | | | | |
| 02.01.03.12. Concrete Pier Removal | | | | | | | | | | |
| USR AA < 202 0008 > North Concrete Pier Removal | 238.00 | LCY | 0.81 | 37.70 | 35.75 | 0.00 | 0.00 | 73.45 | 73.45 | |
| | | | 193 | 8,973 | 8,509 | 0 | 0 | 17,482 | 73.45 | |
| USR AA < 202 0038 > Disposal Fee; based on quote | 238.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 | |
| | | | 0 | 0 | 0 | 0 | 1,507 | 1,507 | 6.33 | |
| USR AA < 202 0008 > South Concrete Pier Removal | 238.00 | LCY | 0.81 | 37.70 | 35.75 | 0.00 | 0.00 | 73.45 | 73.45 | |
| | | | 193 | 8,973 | 8,509 | 0 | 0 | 17,482 | 73.45 | |

02.01. ROADS, CONSTRUCTION ACTIVITIES

 QUANTY UOM MANHOUR LABOR EQUIPMNT MATERIAL OTHER TOTAL COST UNIT COST

USR AA < 202 0038 > Disposal Fee; based on quote
 238.00 LCY 0.00 0.00 0.00 0.00 0.00 6.33 6.33
 0 0 0 0 0 1,507 1,507

 TOTAL Concrete Pier Removal 387 17,946 17,017 0 3,013 37,976 18988.09

02.01.03.13. Granular Backfill

USR AA < 207 2004 > North Abutment Backfill
 194.00 LCY 0.21 8.84 7.26 20.07 0.00 36.17 36.17
 40 1,715 1,408 3,893 0 7,016 7,016

 USR AA < 207 2004 > South Abutment Backfill
 194.00 LCY 0.21 8.84 7.26 20.07 0.00 36.17 36.17
 40 1,715 1,408 3,893 0 7,016 7,016

 USR AA < 207 2004 > North Pier Backfill
 194.00 LCY 0.21 8.84 7.26 20.07 0.00 36.17 36.17
 40 1,715 1,408 3,893 0 7,016 7,016

 USR AA < 207 2004 > South Pier Backfill
 194.00 LCY 0.21 8.84 7.26 20.07 0.00 36.17 36.17
 40 1,715 1,408 3,893 0 7,016 7,016

 TOTAL Granular Backfill 620.00 CY 160 6,861 5,634 15,571 0 28,065 45.27

02.01.03.15. Remove Arch Backfill

USR AA < 206 0500 > Remove Backfill from inside of
 2825.00 LCY 0.44 20.24 17.20 0.00 0.00 37.44 37.44
 1,236 57,167 48,592 0 0 105,759 105,759

 TOTAL Remove Arch Backfill 2260.00 CY 1,236 57,167 48,592 0 0 105,759 46.80

02.01.03.16. Concrete Arch Removal

USR AA < > Concrete Removal
 2038.00 LCY 0.72 34.21 36.68 0.00 0.00 70.89 70.89
 1,472 69,724 74,755 0 0 144,479 144,479

 USR AA < > Disposal Fee; based on quote
 2038.00 LCY 0.00 0.00 0.00 0.00 6.33 6.33 6.33
 0 0 0 0 12,901 12,901

 TOTAL Concrete Arch Removal 1185.00 CY 1,472 69,724 74,755 0 12,901 157,380 132.81

 TOTAL DEMOLITION/BRIDGE REMOVAL 1.00 JOB 6,905 330,898 301,339 15,571 37,208 685,015 685015.00

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | | |
|------------------------------------------------------|---------|-----|---------|---------|----------|----------|---------|------------|-----------|--|--|
| ----- | | | | | | | | | | | |
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | | |
| | | | | | | | | | | | |
| 02.01.05. BRIDGES, FOUNDATIONS | | | | | | | | | | | |
| 02.01.05.01. Abutment Drilled Shaft | | | | | | | | | | | |
| USR DS < 508 0596 > Drilling & Placing Conc & Reinf | 600.00 | LF | 0 | 0.00 | 0 | 0.00 | 725.00 | 558,122 | 930.20 | | |
| USR ST < 505 0500 > Drilled Shaft Reinforcing Steel | 174.48 | TON | 3,141 | 1204.98 | 29,528 | 1534.39 | 0.00 | 2864.51 | 3873.96 | | |
| TOTAL Abutment Drilled Shaft | 600.00 | LF | 3,141 | 284,336 | 29,528 | 362,065 | 558,122 | 1,234,051 | 2056.75 | | |
| 02.01.05.02. Structure Excavation | | | | | | | | | | | |
| USR AA < 206 0500 > Structural Excavation | 1724.00 | CY | 894 | 22.27 | 31,521 | 0.00 | 0.00 | 40.55 | 40.55 | | |
| TOTAL Structure Excavation | 1724.00 | CY | 894 | 38,387 | 31,521 | 0 | 0 | 69,908 | 40.55 | | |
| 02.01.05.03. Struct Excav & Dispos Hazardous | | | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Hazardous | 153.00 | CY | 107 | 30.06 | 3,777 | 0.00 | 150.00 | 204.74 | 204.74 | | |
| TOTAL Struct Excav & Dispos Hazardous | 153.00 | CY | 107 | 4,599 | 3,777 | 0 | 22,950 | 31,326 | 204.74 | | |
| 02.01.05.04. Struct Excav & Dispos Non-Haz | | | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Non-Haz | 153.00 | CY | 107 | 30.06 | 3,777 | 0.00 | 35.00 | 89.74 | 89.74 | | |
| TOTAL Struct Excav & Dispos Non-Haz | 153.00 | CY | 107 | 4,599 | 3,777 | 0 | 5,355 | 13,731 | 89.74 | | |
| 02.01.05.05. Low Profile Cofferdam | | | | | | | | | | | |
| USR AA < 637 XXXX > Jersey Barrier Cofferdam | 250.00 | LF | 125 | 26.71 | 1,059 | 14.32 | 0.00 | 45.26 | 45.26 | | |
| USR AA < 637 XXXX > Remove Cofferdam | 250.00 | LF | 63 | 13.35 | 531 | 0.00 | 0.00 | 15.48 | 15.48 | | |
| USR AA < 637 XXXX > Load & Haul to Disposal Sandbags | 18.00 | CY | 1 | 83 | 78 | 351 | 0.00 | 512 | 28.44 | | |
| TOTAL Low Profile Cofferdam | 250.00 | LF | 189 | 10,098 | 1,668 | 3,931 | 0 | 15,697 | 62.79 | | |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
|------------------------------------------------------|---------|-----|---------|---------|----------|----------|-----------|------------|-----------|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
| 02.01.05.06. Dewatering Cofferdam | | | | | | | | | |
| USR AA < 637 XXXX > Dewatering & Water Treatment | 250.00 | LF | 11.62 | 456.67 | 21.62 | 624.91 | 0.00 | 1103.20 | 1103.20 |
| | 2,905 | | 2,905 | 114,166 | 5,406 | 156,227 | 0 | 275,800 | 1103.20 |
| USR AA < 637 XXXX > Treatment & Discharge of Water | 419.00 | MG | 0.00 | 0.00 | 0.00 | 0.00 | 1650.00 | 1650.00 | 1650.00 |
| | 0 | | 0 | 0 | 0 | 0 | 691,350 | 691,350 | 1650.00 |
| TOTAL Dewatering Cofferdam | 250.00 | LF | 2,905 | 114,166 | 5,406 | 156,227 | 691,350 | 967,150 | 3868.60 |
| 02.01.05.07. Abutement Footing Concrete | | | | | | | | | |
| USR AA < 502 0840 > Abutment Footing Forms | 1371.00 | SF | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | 11.65 |
| | 215 | | 215 | 10,012 | 2,724 | 3,236 | 0 | 15,973 | 11.65 |
| USR ST < 505 0500 > Abutment Footing Reinforcing Stl | 13.80 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 |
| | 248 | | 248 | 22,489 | 2,335 | 28,637 | 0 | 53,461 | 3873.96 |
| USR AA < 502 0840 > Abutment Footing Concrete | 184.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 |
| | 59 | | 59 | 2,458 | 697 | 27,798 | 0 | 30,953 | 168.22 |
| TOTAL Abutement Footing Concrete | 184.00 | CY | 523 | 34,959 | 5,756 | 59,671 | 0 | 100,386 | 545.58 |
| 02.01.05.08. Granular Fill | | | | | | | | | |
| USR AA < 207 2004 > Abutment Granular Backfill | 1532.00 | LCY | 0.26 | 11.38 | 5.07 | 20.07 | 0.00 | 36.51 | 36.51 |
| | 395 | | 395 | 17,427 | 7,761 | 30,740 | 0 | 55,928 | 36.51 |
| TOTAL Granular Fill | 1532.00 | CY | 395 | 17,427 | 7,761 | 30,740 | 0 | 55,928 | 36.51 |
| 02.01.06. BRIDGES, ABUTMENTS & PIERS | | | | | | | | | |
| 02.01.06.01. Concrete Abutment Wall | | | | | | | | | |
| USR AA < 502 0840 > Abutment Wall Forms | 4376.00 | SF | 0.28 | 12.78 | 3.48 | 2.36 | 0.00 | 18.62 | 18.62 |
| | 1,203 | | 1,203 | 55,927 | 15,215 | 10,330 | 0 | 81,472 | 18.62 |
| USR ST < 505 0500 > Abutment Wall Reinforcing Steel | 10.20 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 |
| | 184 | | 184 | 16,626 | 1,727 | 21,171 | 0 | 39,524 | 3873.96 |
| USR AA < 502 0840 > Abutment Wall Concrete | 234.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 |
| | 75 | | 75 | 3,125 | 886 | 35,352 | 0 | 39,364 | 168.22 |
| TOTAL Concrete Abutment Wall | 234.00 | CY | 1,462 | 75,678 | 17,828 | 66,853 | 0 | 160,360 | 685.30 |
| 02.01.06.01. Concrete Abutment Wall | | | | | | | | | |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 8,261 | 508,572 | 89,193 | 612,634 | 1,277,777 | 2,488,177 | 1244088 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|-------------------------------------------------------|---------|-----|---------|---------|----------|-----------|-------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| 02.01.07. BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.07.01. Bridge Superstructure | | | | | | | | | | |
| TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 1,462 | 75,678 | 17,828 | 66,853 | 0 | 160,360 | 80179.96 | |
| 02.01.07.02. Bridge Deck | | | | | | | | | | |
| USR AA < 506 0000 > Structural Steel | 526924 | LB | 4,163 | 274,332 | 85,109 | 1,026,182 | 0 | 1,385,623 | 2.63 | |
| USR AA < 506 XXXX > 2.5-Inch Structural Strands | 12226 | LB | 291 | 19,096 | 5,926 | 72,873 | 0 | 97,895 | 8.01 | |
| TOTAL Bridge Superstructure | 11850 | SF | 4,454 | 293,428 | 91,034 | 1,099,055 | 0 | 1,483,518 | 125.19 | |
| 02.01.07.02. Bridge Deck | | | | | | | | | | |
| USR AA < 502 0864 > Deck Forms | 11865 | SF | 2,610 | 121,311 | 33,004 | 28,009 | 0 | 182,323 | 15.37 | |
| USR ST < 505 0502 > Deck Reinforcing Steel Epoxy | 37.69 | TON | 678 | 61,416 | 6,378 | 101,066 | 0 | 168,860 | 4480.53 | |
| USR AA < 502 0864 > Deck Concrete | 335.00 | CY | 134 | 5,593 | 1,586 | 50,611 | 0 | 57,790 | 172.51 | |
| USR AA < 502 0864 > End Diaphragm Forms | 8411.00 | SF | 1,850 | 85,996 | 23,396 | 19,855 | 0 | 129,247 | 15.37 | |
| USR ST < 505 0500 > End Diaphragm Reinforcing Steel | 4.35 | TON | 78 | 7,089 | 736 | 9,027 | 0 | 16,852 | 3873.96 | |
| USR ST < 505 0502 > End Diaphragm Reinforcg Stl Epoxy | 6.53 | TON | 117 | 10,633 | 1,104 | 17,498 | 0 | 29,235 | 4480.53 | |
| USR AA < 502 0864 > End Diaphragm Concrete | 145.00 | CY | 116 | 4,842 | 1,373 | 21,906 | 0 | 28,121 | 193.94 | |
| USR AA < 502 0864 > Tie Beam Forms | 5767.00 | SF | 1,269 | 58,965 | 16,041 | 13,614 | 0 | 88,620 | 15.37 | |
| USR ST < 505 0500 > Tie Beam Reinforcing Steel | 2.48 | TON | 45 | 4,033 | 419 | 5,136 | 0 | 9,588 | 3873.96 | |
| USR ST < 505 0502 > Tie Beam Reinforcing Steel Epoxy | 0.09 | TON | 2 | 147 | 15 | 241 | 0 | 403 | 4480.53 | |
| USR AA < 502 0864 > Tie Beam Concrete | 99.00 | CY | 79 | 3,306 | 937 | 14,957 | 0 | 19,200 | 193.94 | |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------------------|---------|-----|---------|---------|----------|-----------|---------|------------|-----------|
| USR AA < 502 0864 > Facia Forms | 481.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | 106 | 4,918 | 1,338 | 1,135 | 0 | 7,391 | 15.37 |
| USR ST < 505 0502 > Facia Reinforcing Steel Epoxy | 0.40 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 4480.53 |
| | | | 7 | 652 | 68 | 1,073 | 0 | 1,792 | 4480.53 |
| USR AA < 502 0864 > Facia Concrete | 8.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | 6 | 267 | 76 | 1,209 | 0 | 1,552 | 193.94 |
| USR AA < 502 0864 > Railing Forms | 2403.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | 529 | 24,569 | 6,684 | 5,673 | 0 | 36,926 | 15.37 |
| USR ST < 505 0502 > Railing Reinforcing Steel Epoxy | 3.00 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 4480.53 |
| | | | 54 | 4,889 | 508 | 8,045 | 0 | 13,442 | 4480.53 |
| USR AA < 502 0864 > Railing Concrete | 41.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | 33 | 1,369 | 388 | 6,194 | 0 | 7,952 | 193.94 |
| USR AA < 502 0864 > Sidewalk Forms | 222.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | 49 | 2,270 | 618 | 524 | 0 | 3,411 | 15.37 |
| USR ST < 505 0502 > Sidewalk Reinforcing Steel Epoxy | 1.90 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 4480.53 |
| | | | 34 | 3,096 | 322 | 5,095 | 0 | 8,513 | 4480.53 |
| USR AA < 502 0864 > Sidewalk Concrete | 78.00 | CY | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | 172.51 |
| | | | 31 | 1,302 | 369 | 11,784 | 0 | 13,456 | 172.51 |
| USR AA < 503 0012 > Prestressing CIP Concrete | 10.00 | EA | 12.29 | 696.47 | 67.99 | 2883.65 | 0.00 | 3648.11 | 3648.11 |
| | | | 123 | 6,965 | 680 | 28,836 | 0 | 36,481 | 3648.11 |
| TOTAL Bridge Deck | 11850 | SF | 7,951 | 413,629 | 96,040 | 351,488 | 0 | 861,156 | 72.67 |
| TOTAL BRDIGES, SUPERSTRUCTURE & DECK | 11850 | SF | 12,405 | 707,057 | 187,074 | 1,450,543 | 0 | 2,344,674 | 197.86 |
| 02.01.08. BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | |
| 02.01.08.01. Bridge General Items | | | | | | | | | |
| USR AA < 506 0000 > Expansion Joint 1-Inch | 150.00 | LF | 0.07 | 3.27 | 0.64 | 9.37 | 0.00 | 13.28 | 13.28 |
| | | | 10 | 490 | 96 | 1,406 | 0 | 1,992 | 13.28 |
| USR EL < 623 XXXX > Light Fixtures | 14.00 | EA | 0.00 | 0.00 | 0.00 | 0.00 | 2992.00 | 2992.00 | 3908.65 |
| | | | 0 | 0 | 0 | 0 | 54,721 | 54,721 | 3908.65 |
| USR EL < 623 XXXX > Install Light Fixtures | 14.00 | EA | 3.33 | 163.83 | 90.14 | 0.00 | 0.00 | 253.98 | 331.79 |
| | | | 47 | 2,996 | 1,649 | 0 | 0 | 4,645 | 331.79 |
| USR EL < 623 XXXX > Reconstruct Signals | 8.00 | EA | 20.00 | 983.00 | 540.86 | 0.00 | 0.00 | 1523.86 | 1990.72 |
| | | | 160 | 10,273 | 5,652 | 0 | 0 | 15,926 | 1990.72 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| USR PM < | 632 XXXX > | Pavement Striping | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------|------------|-------------------|--------|---------|---------|-------|---------|----------|---------|------------|-----------|
| 0.04 | 1.53 | 1.24 | 1.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.37 | 5.81 |
| 36 | 1,932 | 1,569 | 2,010 | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 0.00 | 83.39 | 112.78 |
| 104 | 9,438 | 980 | 36,610 | 0.00 | 0.00 | 0.00 | 0.00 | 8.75 | 8.75 | 103,688 | 8.75 |
| 0 | 0 | 0 | 0 | 11850 | SF | | | | | | |
| 357 | 25,131 | 9,945 | 40,025 | 8370.00 | SF | | | | 158,409 | 233,510 | 27.90 |

TOTAL Bridge General Items

TOTAL BRIDGES, ASSOCIATED GENERAL ITEM 1.00 JOB 25,131 9,945 40,025 158,409 233,510 233510.18

02.01.13. TRAFFIC CONTROL

02.01.13.01. Sitework

| | | | | | | | | | | | |
|-----------------------|----------------------------------|--------|----|------|-------|------|------|--------|------|--------|--------|
| CIV SB <01530 1113 > | Type 3 w/ Three Striped Boards | 8.00 | EA | 0.00 | 0.00 | 0.00 | 0.00 | 175.86 | 0.00 | 175.86 | 233.84 |
| 0 | | 0 | | 0 | 0 | 0 | 0 | 1,871 | 0 | 1,871 | 233.84 |
| CIV SB <01530 1114 > | Blinking Light Attachment | 32.00 | EA | 0.00 | 0.00 | 0.00 | 0.00 | 23.61 | 0.00 | 23.61 | 31.39 |
| 0 | | 0 | | 0 | 0 | 0 | 0 | 1,004 | 0 | 1,004 | 31.39 |
| CIV SB <01530 1116 > | Safety Barrels 36" Tall | 24.00 | EA | 0.00 | 0.00 | 0.00 | 0.00 | 35.41 | 0.00 | 35.41 | 47.08 |
| 0 | | 0 | | 0 | 0 | 0 | 0 | 1,130 | 0 | 1,130 | 47.08 |
| MIL SB <02842 0590 > | Signs, reflectorized w/post, 12" | 4.00 | EA | 0.50 | 19.52 | 0.00 | 0.00 | 20.36 | 0.00 | 39.88 | 53.03 |
| 2 | | 104 | | 0 | 0 | 0 | 0 | 108 | 0 | 212 | 53.03 |
| L AF FE <01534 0100 > | Fencing, 11 ga, chain link, 6' | 840.00 | LF | 0.10 | 3.90 | 0.00 | 0.00 | 3.87 | 0.00 | 7.78 | 10.35 |
| 84 | | 4,363 | | 0 | 0 | 0 | 0 | 4,327 | 0 | 8,690 | 10.35 |

TOTAL Sitework

TOTAL TRAFFIC CONTROL

02.01.19. CONSTRUCT ROADBED TO SUBGRADE

02.01.19.01. Roadway Backfill

| | | | | | | | | | | | |
|---------------------|-----------------------|---------|-----|-------|--------|--------|--------|--------|------|--------|-------|
| USR AA < 207 2004 > | Spread & Compact Fill | 2276.00 | LCY | 0.03 | 1.43 | 1.49 | 15.34 | 0.00 | 0.00 | 18.26 | 18.26 |
| 64 | | 3,252 | | 3,381 | 34,923 | 0 | 41,556 | 0 | 0 | 41,556 | 18.26 |
| 64 | | 3,252 | | 3,381 | 34,923 | 0 | 41,556 | 0 | 0 | 41,556 | 22.82 |
| 64 | | 3,252 | | 3,381 | 34,923 | 0 | 41,556 | 0 | 0 | 41,556 | 22.82 |
| 1.00 | JOB | 64 | | 3,252 | 3,381 | 34,923 | 0 | 41,556 | 0 | 41,556 | 22.82 |
| 1.00 | JOB | 64 | | 3,252 | 3,381 | 34,923 | 0 | 41,556 | 0 | 41,556 | 22.82 |

TOTAL CONSTRUCT ROADBED TO SUBGRADE

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------------------------------------|------------|-------------------------------|-------|----------|----------|---------|------------|-----------|
| 02.01.39. APPROACH ROADWAY | | | | | | | | |
| 02.01.39.01. Removal of Concrete Pavement | | | | | | | | |
| USR AA < | 202 2112 > | Remove Concrete Pavement 10" | 0.13 | 6.75 | 5.21 | 0.00 | 0.00 | 11.96 |
| 3256.00 | SY | | 407 | 21,971 | 16,974 | 0 | 0 | 38,945 |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| 1808.00 | LCY | | 0 | 0 | 0 | 11,445 | 11,445 | 6.33 |
| TOTAL Removal of Concrete Pavement | | | | | | | | |
| 3256.00 | SY | | 407 | 21,971 | 16,974 | 0 | 11,445 | 50,390 |
| 02.01.39.02. Removal of Curb | | | | | | | | |
| USR AA < | > | Remove Concrete Curb | 0.04 | 2.16 | 1.67 | 0.00 | 0.00 | 3.83 |
| 1053.00 | LF | | 42 | 2,274 | 1,757 | 0 | 0 | 4,030 |
| USR AA < | > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| 37.00 | LCY | | 0 | 0 | 0 | 234 | 234 | 6.33 |
| TOTAL Removal of Curb | | | | | | | | |
| 1053.00 | LF | | 42 | 2,274 | 1,757 | 0 | 234 | 4,265 |
| 02.01.39.03. Removal of Sidewalk | | | | | | | | |
| USR AA < | 202 2172 > | Remove Concrete Sidewalk - 4" | 0.06 | 3.37 | 2.61 | 0.00 | 0.00 | 5.98 |
| 685.00 | SY | | 43 | 2,311 | 1,785 | 0 | 0 | 4,097 |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| 152.00 | LCY | | 0 | 0 | 0 | 962 | 962 | 6.33 |
| TOTAL Removal of Sidewalk | | | | | | | | |
| 685.00 | SY | | 43 | 2,311 | 1,785 | 0 | 962 | 5,059 |
| 02.01.39.04. Retaining Walls | | | | | | | | |
| USR AA < | 502 0840 > | Footing Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 |
| 2421.00 | SF | | 380 | 17,681 | 4,810 | 5,715 | 0 | 28,206 |
| USR ST < | 505 0500 > | Footing Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 |
| 20.69 | TON | | 372 | 33,710 | 3,501 | 42,926 | 0 | 80,137 |
| USR AA < | 502 0840 > | Footing Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 |
| 269.00 | CY | | 86 | 3,593 | 1,019 | 40,640 | 0 | 45,252 |
| USR AA < | 502 0840 > | Wall Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 |
| 8969.00 | SF | | 1,409 | 65,501 | 17,820 | 21,172 | 0 | 104,493 |
| USR ST < | 505 0500 > | Wall Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 |
| 14.71 | TON | | 265 | 23,965 | 2,489 | 30,517 | 0 | 56,970 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|----------------------------------------------------|---------|-----|---------|---------|----------|----------|--------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| USR AA < 502 0840 > Wall Concrete | 190.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 | |
| | | | 61 | 2,538 | 720 | 28,705 | 0 | 31,962 | 168.22 | |
| USR ST < 506 0600 > Pedestrian Ornamental Handrail | 695.00 | LF | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | 112.78 | |
| | | | 174 | 15,730 | 1,634 | 61,016 | 0 | 78,380 | 112.78 | |
| TOTAL Retaining Walls | 4375.00 | SF | 2,747 | 162,718 | 31,992 | 230,691 | 0 | 425,400 | 97.23 | |
| 02.01.39.05. Structure Excavation | | | | | | | | | | |
| USR AA < 206 0500 > Structural Excavation | 615.00 | CY | 0.52 | 22.27 | 18.28 | 0.00 | 0.00 | 40.55 | 40.55 | |
| | | | 319 | 13,694 | 11,244 | 0 | 0 | 24,938 | 40.55 | |
| TOTAL Structure Excavation | 615.00 | CY | 319 | 13,694 | 11,244 | 0 | 0 | 24,938 | 40.55 | |
| 02.01.39.06. Granular Backfill | | | | | | | | | | |
| USR AA < 207 2004 > Granular Backfill | 278.00 | CY | 0.25 | 10.74 | 8.82 | 24.08 | 0.00 | 43.63 | 43.63 | |
| | | | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 43.63 | |
| TOTAL Granular Backfill | 1033.00 | CY | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 11.74 | |
| 02.01.39.07. Struct Excav & Dispos Hazardous | | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Hazardous | 55.00 | CY | 0.70 | 30.06 | 24.68 | 0.00 | 150.00 | 204.74 | 204.74 | |
| | | | 39 | 1,653 | 1,358 | 0 | 8,250 | 11,261 | 204.74 | |
| TOTAL Struct Excav & Dispos Hazardous | 55.00 | CY | 39 | 1,653 | 1,358 | 0 | 8,250 | 11,261 | 204.74 | |
| 02.01.39.08. Struct Excav & Dispos Non-Haz | | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Non-Haz | 55.00 | CY | 0.70 | 30.06 | 24.68 | 0.00 | 35.00 | 89.74 | 89.74 | |
| | | | 39 | 1,653 | 1,358 | 0 | 1,925 | 4,936 | 89.74 | |
| TOTAL Struct Excav & Dispos Non-Haz | 55.00 | CY | 39 | 1,653 | 1,358 | 0 | 1,925 | 4,936 | 89.74 | |
| 02.01.39.09. Asphalt Pavement | | | | | | | | | | |
| L USR SP < 402 6000 > Plant Mix Surfacing | 1026.00 | TON | 0.48 | 21.94 | 7.68 | 53.11 | 0.00 | 82.73 | 82.73 | |
| | | | 492 | 30,489 | 10,672 | 73,826 | 0 | 114,987 | 112.07 | |
| USR SP < 302 0500 > Aggregate Base | 2029.00 | TON | 0.06 | 3.02 | 2.54 | 21.25 | 0.00 | 26.81 | 26.81 | |
| | | | 120 | 8,312 | 6,973 | 58,399 | 0 | 73,684 | 36.32 | |

URS Corporation
 PROJECT RBVS01: VIRGINIA STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 02. RELOCATIONS

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|-------------------------------------------|----------|-----|---------|--------|----------|----------|-------|------------|-----------|
| TOTAL Asphalt Pavement | | 3256.00 | SY | 612 | 38,801 | 17,645 | 132,226 | 0 | 188,672 | 57.95 |
| 02.01.39.10. Sidewalk | | | | | | | | | | |
| USR AA < | 613 0876 > Sidewalk Forms | 814.00 | SF | 75 | 3,468 | 943 | 1,922 | 0 | 6,333 | 7.78 |
| USR ST < | 613 0876 > Sidewalk Reinforcing Mesh | 1.00 | TON | 18 | 1,630 | 169 | 2,075 | 0 | 3,874 | 3873.96 |
| USR AA < | 613 0876 > Sidewalk Concrete | 76.00 | CY | 30 | 1,269 | 360 | 11,482 | 0 | 13,111 | 172.51 |
| TOTAL Sidewalk | | 685.00 | SY | 123 | 6,366 | 1,472 | 15,479 | 0 | 23,317 | 34.04 |
| 02.01.39.11. Concrete Pedestrian Ramp | | | | | | | | | | |
| USR AA < | 502 0840 > Footing Forms | 579.00 | SF | 91 | 4,228 | 1,150 | 1,367 | 0 | 6,746 | 11.65 |
| USR ST < | 505 0500 > Footing Reinforcing Steel | 3.73 | TON | 67 | 6,080 | 631 | 7,742 | 0 | 14,454 | 3873.96 |
| USR AA < | 502 0840 > Footing Concrete | 82.00 | CY | 26 | 1,095 | 311 | 12,388 | 0 | 13,794 | 168.22 |
| USR AA < | 502 0840 > Wall Forms | 4592.00 | SF | 1,263 | 58,687 | 15,966 | 10,840 | 0 | 85,494 | 18.62 |
| USR ST < | 505 0500 > Wall Reinforcing Steel | 5.14 | TON | 93 | 8,379 | 870 | 10,669 | 0 | 19,918 | 3873.96 |
| USR AA < | 502 0840 > Wall Concrete | 113.00 | CY | 36 | 1,509 | 428 | 17,072 | 0 | 19,009 | 168.22 |
| USR ST < | 506 0600 > Pedestrian Ornamental Handrail | 109.00 | LF | 27 | 2,467 | 256 | 9,569 | 0 | 12,293 | 112.78 |
| USR AA < | 613 0876 > Sidewalk Forms | 878.00 | SF | 81 | 3,740 | 1,018 | 2,073 | 0 | 6,831 | 7.78 |
| USR ST < | 613 0876 > Sidewalk Reinforcing Mesh | 1.44 | TON | 26 | 2,339 | 243 | 2,978 | 0 | 5,559 | 3873.96 |
| USR AA < | 613 0876 > Sidewalk Concrete | 78.00 | CY | 31 | 1,302 | 369 | 11,784 | 0 | 13,456 | 172.51 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|-------------------------------------------------------|--------|-----|---------|---------|----------|----------|----------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| TOTAL Concrete Pedestrian Ramp | 702.00 | SY | 1,741 | 89,827 | 21,243 | 86,482 | 0 | 197,552 | 281.41 | |
| 02.01.39.12. Bridge Approach Slab | | | | | | | | | | |
| USR AA < 502 0864 > Slab Edge Forms | 157.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 | |
| | | | 35 | 1,605 | 437 | 371 | 0 | 2,413 | 15.37 | |
| USR ST < 505 0502 > Reinforcing Steel Epoxy | 8.40 | TON | 18.00 | 1204.98 | 125.14 | 1982.90 | 0.00 | 3313.02 | 4480.53 | |
| | | | 151 | 13,689 | 1,422 | 22,526 | 0 | 37,636 | 4480.53 | |
| USR AA < 502 0864 > Approach Slab Concrete | 140.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 | |
| | | | 112 | 4,675 | 1,326 | 21,151 | 0 | 27,151 | 193.94 | |
| TOTAL Bridge Approach Slab | 140.00 | CY | 298 | 19,969 | 3,184 | 44,048 | 0 | 67,200 | 480.00 | |
| TOTAL APPROACH ROADWAY | 1.00 | JOB | 6,478 | 364,222 | 112,462 | 515,619 | 22,816 | 1,015,119 | 1015119 | |
| 02.01.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.01.99.01. General Conditions | | | | | | | | | | |
| M USR AA < 629 0100 > 1-Temp Office Trailer 32' X 8' | 29.00 | MO | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | 990.00 | |
| | | | 0 | 0 | 28,710 | 0 | 0 | 28,710 | 990.00 | |
| M USR AA < 629 0100 > 2-Temp Const Stor. Van 16 X 8 | 58.00 | MO | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | 150.00 | |
| | | | 0 | 0 | 8,700 | 0 | 0 | 8,700 | 150.00 | |
| M USR AA < 629 0100 > Toilet Portable Chemical | 29.00 | MO | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | 180.00 | |
| | | | 0 | 0 | 5,220 | 0 | 0 | 5,220 | 180.00 | |
| USR AA < 629 0100 > Office Supply | 29.00 | MO | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | 306.88 | |
| | | | 0 | 0 | 0 | 8,899 | 0 | 8,899 | 306.88 | |
| USR AA < 629 0100 > Schedule Updates | 29.00 | MO | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | 337.11 | |
| | | | 0 | 5,104 | 3,132 | 1,540 | 0 | 9,776 | 337.11 | |
| USR AA < 629 0100 > Temp. Utilities Usage | 29.00 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | 1100.00 | |
| | | | 0 | 0 | 0 | 0 | 31,900 | 31,900 | 1100.00 | |
| USR AA < 629 0100 > Site Debris Clean-Up & Removal | 7.25 | MO | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | 595.90 | |
| | | | 64 | 2,907 | 1,414 | 0 | 0 | 4,320 | 595.90 | |
| M USR AA < 629 0100 > Field Surveying Service | 4.35 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | 18600.00 | |
| | | | 0 | 0 | 0 | 0 | 80,910 | 80,910 | 18600.00 | |
| M USR AA < 629 0100 > 2-Flag Person - Traffic Control | 18.85 | MON | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | 5016.00 | |
| | | | 0 | 94,552 | 0 | 0 | 0 | 94,552 | 5016.00 | |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|---------|-----|---------|-----------|----------|----------|---------|------------|-----------|
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 2175.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| M USR AA < 629 0100 > Program Manager | 580.00 | HRS | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | 17.38 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 580.00 | HR | 0.00 | 75,922 | 0.00 | 0.00 | 0.00 | 75,922 | 130.90 |
| M USR AA < 629 0100 > Project Manager | 3625.00 | HRS | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 17.38 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3625.00 | HR | 0.00 | 346,913 | 0.00 | 0.00 | 0.00 | 346,913 | 10,082 |
| USR AA < 629 0100 > Clerk\Secretary | 2417.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 17.38 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 2417.00 | HR | 0.00 | 93,055 | 0.00 | 0.00 | 0.00 | 93,055 | 63,015 |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 4833.00 | HRS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.38 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4833.00 | HR | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 42,015 |
| USR AA < 629 0100 > Safety & Health Person | 4350.00 | HRS | 0.00 | 425,304 | 0.00 | 0.00 | 0.00 | 425,304 | 88.00 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4350.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| M USR AA < 629 0100 > QC Engineers, Includes: | 4350.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 84,014 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4350.00 | HR | 0.00 | 311,025 | 0.00 | 0.00 | 0.00 | 311,025 | 75,617 |
| USR AA < 629 0100 > QA Engineer | 3383.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 17.38 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3383.00 | HR | 0.00 | 358,875 | 0.00 | 0.00 | 0.00 | 358,875 | 82.50 |
| USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3383.00 | HR | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 17.38 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3383.00 | HR | 0.00 | 269,794 | 0.00 | 0.00 | 0.00 | 269,794 | 79.75 |
| TOTAL General Conditions | 29.00 | MO | 64 | 1,983,449 | 494,153 | 10,440 | 112,810 | 2,600,852 | 89684.56 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 64 | 1,983,449 | 494,153 | 10,440 | 112,810 | 2,600,852 | 2600852 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|--|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | 1.00 | JOB | 36,082 | 4,002,727 | 1,215,376 | 2,755,048 | 2,417,120 | 10,390,271 | 10390271 |

| 02.03. CEMETERY, UTILITIES & STRUCTURES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|------------|-----------------|--------------------------------|---------|-------|----------|----------|-----------|------------|-----------|
| 02.03. CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18. UTILITIES | | | | | | | | | | |
| 02.03.18.01. Remove & Relocate Utilities | | | | | | | | | | |
| USR UT < | 609 XXXX > | Temp Relocation | Water Line 8" | 0.00 | 0.00 | 0.00 | 0.00 | 135.00 | 135.00 | 135.00 |
| | | | | 885.00 | LF | 0 | 0 | 169,085 | 169,085 | 191.06 |
| USR UT < | 609 XXXX > | Temp Relocation | Water Valve 8" | 0.00 | 0.00 | 0.00 | 0.00 | 489.00 | 489.00 | 489.00 |
| | | | | 5.00 | EA | 0 | 0 | 3,460 | 3,460 | 692.05 |
| USR UT < | 609 XXXX > | Temp Relocation | Water Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 3500.00 | 3500.00 | 3500.00 |
| | | | | 5.00 | EA | 0 | 0 | 24,767 | 24,767 | 4953.31 |
| USR UT < | 609 XXXX > | Temp Relocation | Fire Hydrant | 0.00 | 0.00 | 0.00 | 0.00 | 750.00 | 750.00 | 750.00 |
| | | | | 2.00 | EA | 0 | 0 | 2,123 | 2,123 | 1061.42 |
| USR UT < | 609 XXXX > | Permanent | Water Line 8" | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| | | | | 885.00 | LF | 0 | 0 | 125,248 | 125,248 | 141.52 |
| USR UT < | 609 XXXX > | Permanent | Water Valve 8" | 0.00 | 0.00 | 0.00 | 0.00 | 367.00 | 367.00 | 367.00 |
| | | | | 5.00 | EA | 0 | 0 | 2,597 | 2,597 | 519.39 |
| USR UT < | 609 XXXX > | Permanent | Water Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 2800.00 | 2800.00 | 2800.00 |
| | | | | 5.00 | EA | 0 | 0 | 19,813 | 19,813 | 3962.65 |
| USR UT < | 609 XXXX > | Permanent | Fire Hydrant | 0.00 | 0.00 | 0.00 | 0.00 | 600.00 | 600.00 | 600.00 |
| | | | | 2.00 | EA | 0 | 0 | 1,698 | 1,698 | 849.14 |
| USR UT < | 609 XXXX > | Temp Relocation | U/G Comm 12 x 4" | 0.00 | 0.00 | 0.00 | 0.00 | 896.00 | 896.00 | 896.00 |
| | | | | 885.00 | LF | 0 | 0 | 1,122,222 | 1,122,222 | 1268.05 |
| USR UT < | 609 XXXX > | Permanent | U/G Comm 12 x 4" | 0.00 | 0.00 | 0.00 | 0.00 | 672.00 | 672.00 | 672.00 |
| | | | | 885.00 | LF | 0 | 0 | 841,667 | 841,667 | 951.04 |
| USR UT < | 609 XXXX > | Permanent | U/G Comm Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 22000.00 | 22000.00 | 22000.00 |
| | | | | 2.00 | EA | 0 | 0 | 62,270 | 62,270 | 31135.10 |
| TOTAL Remove & Relocate Utilities | | | | | | | | | | |
| | | | | 1.00 | EA | 0 | 0 | 2,374,950 | 2,374,950 | 2374950 |
| TOTAL UTILITIES | | | | | | | | | | |
| | | | | 1.00 | JOB | 0 | 0 | 2,374,950 | 2,374,950 | 2374950 |
| 02.03.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01. General Conditions | | | | | | | | | | |
| M | USR AA < | 629 0100 > | 1-Temp Office Trailer 32' X 8' | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | 990.00 |
| | | | | 9.00 | MO | 0 | 0 | 8,910 | 8,910 | 990.00 |

02.03. CEMETERY, UTILITIES & STRUCTURES

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|---------|-----|---------|---------|---------|----------|----------|------------|-----------|
| M USR AA < 629 0100 > 2-Temp Const Stor. Van 16 X 8 | 18.00 | MO | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | 2,700 |
| M USR AA < 629 0100 > Toilet Portable Chemical | 9.00 | MO | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | 1,620 |
| USR AA < 629 0100 > Office Supply | 9.00 | MO | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | 2,762 |
| USR AA < 629 0100 > Schedule Updates | 9.00 | MO | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | 3,034 |
| USR AA < 629 0100 > Temp. Utilities Usage | 9.00 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | 9,900 |
| USR AA < 629 0100 > Site Debris Clean-Up & Removal | 2.25 | MO | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | 1,341 |
| M USR AA < 629 0100 > Field Surveying Service | 1.35 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | 25,110 |
| M USR AA < 629 0100 > 2-Flag Person - Traffic Control | 5.85 | MON | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | 29,344 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 675.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 11,734 |
| M USR AA < 629 0100 > Program Manager | 180.00 | HRS | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | 23,562 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 180.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 3,129 |
| M USR AA < 629 0100 > Project Manager | 1125.00 | HRS | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 107,663 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1125.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 19,556 |
| USR AA < 629 0100 > Clerk\Secretary | 750.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 28,875 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 750.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 13,037 |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 1500.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 132,000 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1500.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 26,075 |

URS Corporation
 PROJECT RBV501: VIRGINIA STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 02. RELOCATIONS

02.03. CEMETERY, UTILITIES & STRUCTURES

| USR AA < | 629 0100 > | Safety & Health Person | QUANTY UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------|------------|----------------------------------|------------|---------|--------|-----------|-----------|-----------|------------|------------|
| USR AA < | 629 0100 > | Safety & Health Person | 1350.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 71.50 | 71.50 |
| | | | | | 0 | 96,525 | 0 | 0 | 96,525 | 71.50 |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1350.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 0 | 23,467 | 0 | 23,467 | 17.38 |
| M USR AA < | 629 0100 > | QC Engineers, Includes: | 1350.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 82.50 | 82.50 |
| | | | | | 0 | 111,375 | 0 | 0 | 111,375 | 82.50 |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1350.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 0 | 23,467 | 0 | 23,467 | 17.38 |
| USR AA < | 629 0100 > | QA Engineer | 1050.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 79.75 | 79.75 |
| | | | | | 0 | 83,738 | 0 | 0 | 83,738 | 79.75 |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1050.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 0 | 18,252 | 0 | 18,252 | 17.38 |
| TOTAL General Conditions | | | | | | | | | | |
| | | | 9.00 | MO | 20 | 615,567 | 153,360 | 3,240 | 35,010 | 807,176 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | | | 1.00 | JOB | 20 | 615,567 | 153,360 | 3,240 | 35,010 | 807,176 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| | | | 1.00 | JOB | 20 | 615,567 | 153,360 | 3,240 | 2,409,960 | 3,182,127 |
| TOTAL RELOCATIONS | | | | | | | | | | |
| | | | 1.00 | JOB | 36,102 | 4,618,293 | 1,368,736 | 2,758,288 | 4,827,080 | 13,572,397 |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------------|------------|-----------------------------------|-----------|---------|---------|---------|----------|---------|------------|-----------|
| 11. LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02. FLOODWALLS | | | | | | | | | | |
| 11.02.02. DRAINAGE | | | | | | | | | | |
| 11.02.02.01. Wall Drain Outlet & Flapgate 18" | | | | | | | | | | |
| USR AA < | 603 XXXX > | 18" Drain Extension & Flapgate | | 59.79 | 3077.50 | 644.71 | 5547.41 | 0.00 | 9269.63 | 9269.63 |
| | | | 2.00 EA | 120 | 6,155 | 1,289 | 11,095 | 0 | 18,539 | 9269.63 |
| TOTAL Wall Drain Outlet & Flapgate 18" | | | | | | | | | | |
| | | | 2.00 EA | 120 | 6,155 | 1,289 | 11,095 | 0 | 18,539 | 9269.63 |
| TOTAL DRAINAGE | | | | | | | | | | |
| | | | 1.00 JOB | 120 | 6,155 | 1,289 | 11,095 | 0 | 18,539 | 18539.25 |
| 11.02.03. CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01. Low Profile Cofferdam | | | | | | | | | | |
| USR AA < | 637 XXXX > | Jersey Barrier Cofferdam | | 0.50 | 26.71 | 4.24 | 14.32 | 0.00 | 45.26 | 45.26 |
| | | | 110.00 LF | 55 | 2,938 | 466 | 1,575 | 0 | 4,979 | 45.26 |
| USR AA < | 637 XXXX > | Remove Cofferdam | | 0.25 | 13.35 | 2.12 | 0.00 | 0.00 | 15.48 | 15.48 |
| | | | 110.00 LF | 28 | 1,469 | 234 | 0 | 0 | 1,703 | 15.48 |
| USR AA < | 637 XXXX > | Load & Haul to Disposal Sandbags | | 0.08 | 4.60 | 4.32 | 19.52 | 0.00 | 28.44 | 28.44 |
| | | | 8.00 CY | 1 | 37 | 35 | 156 | 0 | 228 | 28.44 |
| TOTAL Low Profile Cofferdam | | | | | | | | | | |
| | | | 110.00 LF | 83 | 4,444 | 734 | 1,731 | 0 | 6,909 | 62.81 |
| 11.02.03.02. Dewatering Cofferdam | | | | | | | | | | |
| USR AA < | 637 XXXX > | Dewatering & Water Treatment | | 11.62 | 456.67 | 21.62 | 624.91 | 0.00 | 1103.20 | 1103.20 |
| | | | 110.00 LF | 1,278 | 50,233 | 2,379 | 68,740 | 0 | 121,352 | 1103.20 |
| USR AA < | 637 XXXX > | Treatment & Discharge of Water | | 0.00 | 0.00 | 0.00 | 0.00 | 1650.00 | 1650.00 | 1650.00 |
| | | | 184.00 MG | 0 | 0 | 0 | 0 | 303,600 | 303,600 | 1650.00 |
| TOTAL Dewatering Cofferdam | | | | | | | | | | |
| | | | 110.00 LF | 1,278 | 50,233 | 2,379 | 68,740 | 303,600 | 424,952 | 3863.20 |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | | |
| | | | 1.00 JOB | 1,361 | 54,677 | 3,113 | 70,471 | 303,600 | 431,861 | 431860.69 |
| 11.02.05. FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01. Removal of Flood Walls | | | | | | | | | | |
| USR AA < | 202 1072 > | Retaining Wall Remove & Stabilize | | 0.00 | 0.00 | 0.00 | 0.00 | 2247.00 | 2247.00 | 2247.00 |
| | | | 110.00 LF | 0 | 0 | 0 | 0 | 247,170 | 247,170 | 2247.00 |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------------|------------|--------------------------------|-------|---------|--------|---------|----------|---------|------------|-----------|
| TOTAL Removal of Flood Walls | | 110.00 | LF | 0 | 0 | 0 | 0 | 247,170 | 247,170 | 2247.00 |
| 11.02.05.02. Flood Walls | | | | | | | | | | |
| USR AA < | 502 0840 > | Footing Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | 11.65 | 26,004 |
| | | | 351 | 16,300 | 4,435 | 5,269 | 0 | 26,004 | 11.65 | |
| USR ST < | 505 0500 > | Footing Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 | 3873.96 |
| | | | 343 | 31,079 | 3,227 | 39,575 | 0 | 73,881 | 3873.96 | |
| USR AA < | 502 0840 > | Footing Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 | 168.22 |
| | | | 79 | 3,312 | 939 | 37,467 | 0 | 41,719 | 168.22 | |
| USR AA < | 502 0840 > | Wall Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | 11.65 | 69,740 |
| | | | 940 | 43,716 | 11,893 | 14,131 | 0 | 69,740 | 11.65 | |
| USR ST < | 505 0500 > | Wall Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 | 3873.96 |
| | | | 316 | 28,632 | 2,973 | 36,459 | 0 | 68,065 | 3873.96 | |
| USR AA < | 502 0840 > | Wall Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 | 168.22 |
| | | | 73 | 3,032 | 860 | 34,295 | 0 | 38,187 | 168.22 | |
| USR ST < | 506 0600 > | Pedestrian Ornamental Handrail | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | 83.39 | 112.78 |
| | | | 28 | 2,490 | 259 | 9,657 | 0 | 12,405 | 112.78 | |
| TOTAL Flood Walls | | | 2,130 | 128,561 | 24,586 | 176,853 | 0 | 330,000 | 113.01 | |
| 11.02.05.03. Structure Excavation | | | | | | | | | | |
| USR AA < | 206 0500 > | Structural Excavation | 0.52 | 22.27 | 18.28 | 0.00 | 0.00 | 40.55 | 40.55 | 40.55 |
| | | | 945 | 40,569 | 33,313 | 0 | 0 | 73,882 | 40.55 | |
| TOTAL Structure Excavation | | | 945 | 40,569 | 33,313 | 0 | 0 | 73,882 | 40.55 | |
| 11.02.05.04. Granular Backfill | | | | | | | | | | |
| USR AA < | 207 2004 > | Granular Backfill | 0.25 | 10.74 | 8.82 | 24.08 | 0.00 | 43.63 | 43.63 | 43.63 |
| | | | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 43.63 | |
| TOTAL Granular Backfill | | | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 6.77 | |
| 11.02.05.05. Struct Excav & Dispos Hazardous | | | | | | | | | | |
| USR AA < | 206 0500 > | Floodwall Excavation Hazardous | 0.70 | 30.06 | 24.68 | 0.00 | 150.00 | 204.74 | 204.74 | 204.74 |
| | | | 113 | 4,840 | 3,974 | 0 | 24,150 | 32,964 | 204.74 | |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------|------------|--------------------------------|----------------------------------|---------|---------|----------|----------|----------|------------|-----------|
| TOTAL Struct Excav & Dispos Hazardous | | 161.00 | CY | 113 | 4,840 | 3,974 | 0 | 24,150 | 32,964 | 204.74 |
| 11.02.05.06. Struct Excav & Dispos Non-Haz | | | | | | | | | | |
| USR AA < | 206 0500 > | Floodwall Excavation Non-Haz | | 0.70 | 30.06 | 24.68 | 0.00 | 35.00 | 89.74 | |
| | | | 161.00 | CY | 113 | 4,840 | 3,974 | 0 | 5,635 | 89.74 |
| TOTAL Struct Excav & Dispos Non-Haz | | | 161.00 | CY | 113 | 4,840 | 3,974 | 0 | 5,635 | 89.74 |
| 11.02.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01. General Conditions | | | | | | | | | | |
| M | USR AA < | 629 0100 > | 1-Temp Office Trailer 32' X 8' | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | |
| | | | 4.00 | MO | 0 | 3,960 | 0 | 0 | 3,960 | 990.00 |
| M | USR AA < | 629 0100 > | 2-Temp Const Stor. Van 16 X 8 | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | |
| | | | 8.00 | MO | 0 | 1,200 | 0 | 0 | 1,200 | 150.00 |
| M | USR AA < | 629 0100 > | Toilet Portable Chemical | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | |
| | | | 4.00 | MO | 0 | 720 | 0 | 0 | 720 | 180.00 |
| USR AA < | 629 0100 > | Office Supply | | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | |
| | | | 4.00 | MO | 0 | 0 | 1,228 | 0 | 1,228 | 306.88 |
| USR AA < | 629 0100 > | Schedule Updates | | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | |
| | | | 4.00 | MO | 0 | 704 | 432 | 212 | 1,348 | 337.11 |
| USR AA < | 629 0100 > | Temp. Utilities Usage | | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | |
| | | | 4.00 | MON | 0 | 0 | 0 | 4,400 | 4,400 | 1100.00 |
| USR AA < | 629 0100 > | Site Debris Clean-Up & Removal | | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | |
| | | | 1.00 | MO | 9 | 401 | 195 | 0 | 596 | 595.90 |
| M | USR AA < | 629 0100 > | Field Surveying Service | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | |
| | | | 0.60 | MON | 0 | 0 | 0 | 11,160 | 11,160 | 18600.00 |
| M | USR AA < | 629 0100 > | 2-Flag Person - Traffic Control | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | |
| | | | 2.60 | MON | 0 | 13,042 | 0 | 0 | 13,042 | 5016.00 |
| L | USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | |
| | | | 300.00 | HR | 0 | 5,215 | 0 | 0 | 5,215 | 17.38 |
| M | USR AA < | 629 0100 > | Program Manager | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | |
| | | | 80.00 | HRS | 0 | 10,472 | 0 | 0 | 10,472 | 130.90 |

11.02. FLOODWALLS

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|--------|-----|---------|---------|----------|----------|---------|------------|-----------|
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 80.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 1,391 | 0 | 0 | 1,391 | 17.38 |
| M USR AA < 629 0100 > Project Manager | 500.00 | HRS | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 95.70 |
| | | | | 47,850 | 0 | 0 | 0 | 47,850 | 95.70 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 500.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 8,692 | 0 | 0 | 8,692 | 17.38 |
| USR AA < 629 0100 > Clerk\Secretary | 333.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 38.50 |
| | | | | 12,821 | 0 | 0 | 0 | 12,821 | 38.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 333.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 5,789 | 0 | 0 | 5,789 | 17.38 |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 667.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 88.00 |
| | | | | 58,696 | 0 | 0 | 0 | 58,696 | 88.00 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 667.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 11,595 | 0 | 0 | 11,595 | 17.38 |
| USR AA < 629 0100 > Safety & Health Person | 600.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 |
| | | | | 42,900 | 0 | 0 | 0 | 42,900 | 71.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 600.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 10,430 | 0 | 0 | 10,430 | 17.38 |
| M USR AA < 629 0100 > QC Engineers, Includes: | 600.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 |
| | | | | 49,500 | 0 | 0 | 0 | 49,500 | 82.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 600.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 10,430 | 0 | 0 | 10,430 | 17.38 |
| USR AA < 629 0100 > QA Engineer | 467.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 |
| | | | | 37,243 | 0 | 0 | 0 | 37,243 | 79.75 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 467.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 8,118 | 0 | 0 | 8,118 | 17.38 |
| TOTAL General Conditions | 4.00 | MO | 9 | 273,628 | 68,166 | 1,440 | 15,560 | 358,794 | 89698.46 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 9 | 273,628 | 68,166 | 1,440 | 15,560 | 358,794 | 358793.85 |
| TOTAL FLOODWALLS | 1.00 | JOB | 4,860 | 516,254 | 140,866 | 266,553 | 596,115 | 1,519,787 | 1519787 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 4,860 | 516,254 | 140,866 | 266,553 | 596,115 | 1,519,787 | 1519787 |

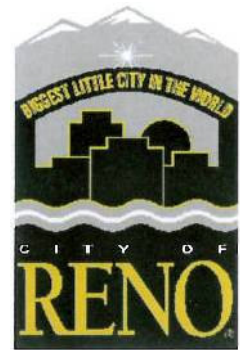
| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|----------|-----|---------|-------|----------|----------|-------|------------|-----------|
| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | | | | | | | | | |
| 30. PLANNING, ENGINEERING AND DESIGN | | | | | | | | | |
| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | | | | | | | | | |
| TOTAL PROJECT COOPERATN AGREEMNT (PCA) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.12. PROJECT MANAGEMENT PLAN (PMP) | | | | | | | | | |
| TOTAL PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.18. GENERAL REEVALUATN REPORT (GRR) | | | | | | | | | |
| TOTAL GENERAL REEVALUATN REPORT (GRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.19. LIMITED REEVALUATN REPORT (LRR) | | | | | | | | | |
| TOTAL LIMITED REEVALUATN REPORT (LRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.20. PROJECT DESING MEMORANDUM | | | | | | | | | |
| TOTAL PROJECT DESING MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.21. FEATURE DESIGN MEMORANDUM | | | | | | | | | |
| TOTAL FEATURE DESIGN MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.23. CONSTRUCTION CONTRACT(S) DOCS | | | | | | | | | |
| TOTAL CONSTRUCTION CONTRACT(S) DOCS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.24. VALUE ENGINEERING ANALYSIS DOC | | | | | | | | | |
| TOTAL VALUE ENGINEERING ANALYSIS DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.25. PROJECT FUNCTIONAL ELEMENT | | | | | | | | | |
| TOTAL PROJECT FUNCTIONAL ELEMENT | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.26. PROGRAM & PROJECT MANAGEMT DOC | | | | | | | | | |
| TOTAL PROGRAM & PROJECT MANAGEMT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PLANNING, ENGINEERING AND DESIGN | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

| 31.12. PROJECT MANAGEMENT PLAN (PMP) | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|--|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 31. CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.12. PROJECT MANAGEMENT PLAN (PMP) | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 31.23. CONSTRUCTION CONTRACTS | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 31.26. PROGRAM/PROJECT MANAGEMENT DOC | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT MANAGEMENT PLAN (PMP) | | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION MANAGEMENT | | 1.00 | JOB | 40,961 | 5,134,548 | 1,509,601 | 3,024,840 | 5,423,195 | 15,092,185 | 15092185 |

No errors detected...

* * * END OF ERROR REPORT * * *

Reno TRAction Project Locally Preferred Plan Center Street

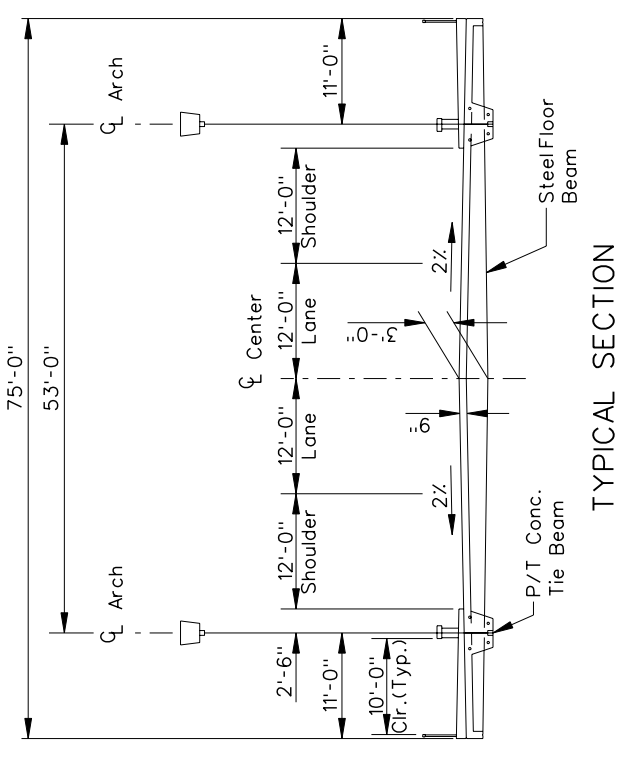
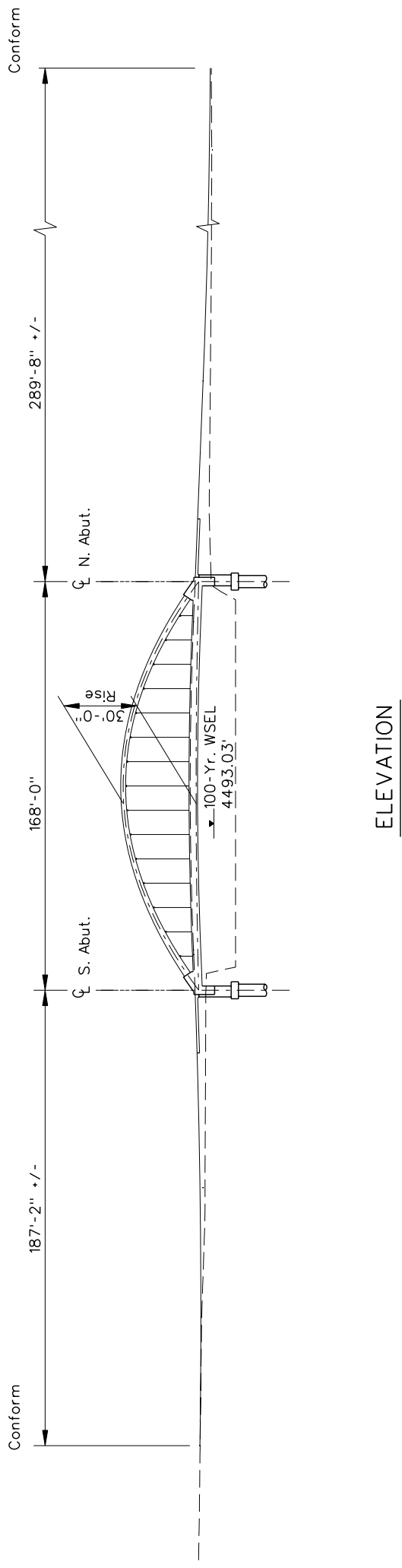


Prepared for
City of Reno

1 East First Street
Reno, NV 89501

October 2007

CH2MHILL
50 West Liberty Street
Suite 205
Reno, NV 89501



CH2MHILL

RENO TRACTION PROJECT
LOCALLY PREFERRED PLAN

CENTER STREET

Center Street Bridge Summary

Quantities

| Item of Work | Item of Work | Units | Quantities | | | | | Total | Notes |
|-------------------------------------------------------------|--------------|--------|------------|-------------|----------------|---------|-----------|---------|-------------------------------------|
| | | | Roadway | Flood Walls | Retaining Wall | Bridge | Utilities | | |
| Urban Clearing | 201-0032 | LS | | | | | | 1 | |
| Removal of Bridge | 202-0008 | LS | | | | | | 1 | |
| Relocate Fire Hydrant | 202-0120 | EA | | | | | 1 | 1 | |
| Removal of Light Pole | 202-0316 | EA | | | | 23 | | 23 | |
| Removal of Retianing Walls | 202-1072 | Lin Ft | | 145 | | | | 145 | |
| Removal of Pedestrian Rail (aluminum railing) | 202-1112 | Lin Ft | | | | 289 | | 289 | |
| Removal of Concrete Pavement | 202-2112 | SY | 71 | | | | | 71 | Assumes 25% of Pedestrian Ramp Area |
| Removal of Bituminous Surface | 202-2128 | SY | 2,688 | | | | | 2,688 | |
| Removal of Curb | 202-2172 | Lin Ft | 1,184 | | | | | 1,184 | |
| Removal of Sidewalk | 202-2188 | SY | 1,389 | | | | | 1,389 | |
| Remove Concrete Approach Slab | 202-xxxx | CY | | | | 130 | | 130 | |
| Concrete Railing and Sidewalk Removal | 202-xxxx | CY | | | | 177 | | 177 | |
| Concrete Superstructure Removal | 202-xxxx | CY | | | | 578 | | 578 | |
| Concrete Abutment Removal | 202-xxxx | CY | | | | 276 | | 276 | |
| Concrete Pier Removal | 202-xxxx | CY | | | | 428 | | 428 | |
| Roadway Embankment | 203-2033 | CY | 1,838 | | | | | 1,838 | |
| Structure Excavation at Piers | 206-0100 | CY | | | | 338 | | 338 | |
| Structure Excavation | 206-2000 | CY | | 2,299 | 866 | 1,632 | | 4,797 | |
| Structure Excavation Contaminated Materials (Hazardous) | 206-xxxx | CY | | 203 | 76 | 145 | | 425 | |
| Structure Excavation Contaminated Materials (Non-Hazardous) | 206-xxxx | CY | | 203 | 76 | 145 | | 425 | |
| Granular Backfill | 207-2004 | CY | | 2,244 | 1,583 | 1,464 | | 5,290 | |
| Landscaping | 212-xxxx | LS | | | | | | 1 | |
| Aggregate Base | 302-0500 | Ton | 1,675 | | | | | 1,675 | |
| Plantmix Surfacing (Wet) | 402-6000 | Ton | 847 | | | | | 847 | |
| Class AA Concrete, Modified (Major) | 502-0840 | CY | | 569 | 535 | 406 | | 1,510 | |
| Class EA Concrete, Modified (Major) | 502-0864 | CY | | | | 867 | | 867 | |
| Prestressing CIP Concrete | 503-0012 | LB | | | | 10,000 | | 10,000 | |
| Reinforcing Steel | 505-0500 | LB | | | 47,555 | 348,380 | | 473,655 | |
| Reinforcing Steel (Epoxy Coated) | 505-0502 | LB | | 77,720 | | 130,955 | | 130,955 | |
| Structural Steel | 506-0000 | LB | | | | 495,820 | | 495,820 | |
| Pedestrian Railing | 506-0600 | Lin Ft | | 145 | 665 | 437 | | 1,247 | |
| 2.5-inch Structural Strands (Hanger) | 506-xxxx | LB | | | | 13,044 | | 13,044 | |
| 5-Foot Diameter Drilled Shafts | 508-0596 | Lin Ft | | | | 500 | | 500 | |
| Drainage | 603-xxxx | LS | | | | | | 1 | |
| Relocate Water Manhole | 609-xxxx | EA | | | | | 4 | 4 | |
| Concrete Curb | 613-0756 | Lin Ft | 1,184 | | | | | 1,184 | |
| 4" Concrete Sidewalk | 613-0876 | SY | 1,389 | | | | | 1,389 | |
| Concrete Pedestrian Ramp | 613-0880 | SY | 284 | | | | | 284 | |
| Lighting | 623-xxxx | LS | | | | | | 1 | |
| Reconstruct Signal | 623-xxxx | LS | | | | | | 1 | |
| Relocate Power Line | 623-xxxx | Lin Ft | | | | | 160 | 160 | |
| Traffic Control | 625-xxxx | LS | | | | | | 1 | |
| Mobilization | 628-0004 | LS | | | | | | 1 | |
| River Diversion | 637-xxxx | LS | | | | | | 1 | |
| Treat Contaminated Groundwater | 637-xxxx | LS | | | | | | 1 | |
| Relocate Water Line | 638-xxxx | Lin Ft | | | | | 265 | 265 | |
| Relocate Water Valve | 638-xxxx | EA | | | | | 4 | 4 | |
| Miscellaneous Items | 999-xxxx | LS | | | | | | 1 | |

Contingency LS 1
Preliminary Design LS 1
Construction Engineering LS 1

CENTER STREET BRIDGE REPLACEMENT
RENO TRACTION PROJECT
Locally Preferred Plan
City of Reno, Nevada
Draft Feasibility Cost Estimate

Designed By: CH2M Hill - Reno, NV 36942
Estimated By: Al Meyer - (303) 887-8645

Prepared By: CH2M Hill, Inc.
Reno, Nevada 36942

Preparation Date: 12/04/06
Effective Date of Pricing: 10/01/06
Est Construction Time: 720 Days

Sales Tax: 7.3%

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THIS COST ESTIMATE IS TO BE USED FOR FEASIBILITY STUDY PURPOSES ONLY

The purpose of this cost estimate is to develop feasibility cost values for Locally Preferred Plan for bridge replacements in downtown Reno, Nevada. This feasibility cost estimate includes cost remove and replace the Center Street Bridge, approach roadways, floodwalls and utility relocations. There are four bridges to be replaced in the Locally Preferred Plan. The bridges to be replaced are listed below:

- Sierra Street Bridge
- Virginia Street Bridge
- Center Street Bridge
- Lake Street Bridge

Flood control features include removal existing floodwall sections adjacent to the proposed bridge abutments and replacement of the floodwall sections with new structures that provide a higher freeboard.

COST ESTIMATE BASIS

The cost estimate is based on "Reno Traction Project" conceptual drawings and quantity takeoff developed by CH2M Hill.

CONSTRUCTION SCHEDULE

The bridge, floodwalls, approach roadways and utility relocations will take approximately 1 to 2 years to construct.

CONSTRUCTION ACCESS

The bridge is located in downtown Reno, Nevada. Construction of the single span bridge will cross the Truckee River requiring long reach capability lifting equipment. The construction conditions to build the bridge and floodwalls in general are tight. The closing the approach roadway to the bridge to vehicular traffic will be required along with traffic alternate routing. Pedestrian traffic will be limited during critical construction activities. Night work will more than likely be required to prevent inconvenience to business and tourist travel and during seasonal events.

The construction activities will supplemental off site laydown areas for the contractors equipment storage, storage and office trailers.

Access for material delivery will be good with paved streets. However, deliveries should be limited to non-peak traffic periods. Storage of material will be very limited at the project site and will require materials be stored off-site.

CONSTRUCTION MEANS & METHODS

Construction means and methods should be standard with the exception of the long reach across the Truckee River to construct the bridge.

ENVIRONMENTAL CONCERNS

A/E experience with construction of the existing Center Street Bridge indicates that contaminated soil and ground water exist on the northside abutment and extends slightly downward angle from the abutment to the bridge center pier. The contractor constructing the Center Street Bridge was issued a change order to remove and dispose of the contaminated soil and to pump, treat and dispose to the POTW contaminated groundwater. This estimate assumes that 15% of all excavated materials are contaminated with the quantity split 50%-50% between Hazardous material and non-hazardous material.

This estimate includes normal environmental protection requirements in addition to the above.

LABOR

Required craft labor is available locally and within a 50 to 60-mile radius. No per diems should be required.

Labor rates used to develop this estimate are based Davis Bacon for Washoe County, Nevada, General Decision Number: NV20070005 26-Oct-07.

MATERIAL PRICES

Material quotes from the Reno area were obtained when possible. Historical costs were used where deemed appropriate, estimator experience and from cost data catalogs.

The cost estimate assumes that borrow sources and disposal Areas require a 15 mile haul for transportation. Disposal fees were provided by Lockwood Regional Landfill (755) 342-0401.

CONSTRUCTION EQUIPMENT

Required construction equipment is available locally and within a 50 to 60-mile radius.

COST ESTIMATE MARKUP STRUCTURE

Owner Cost are excluded from the cost estimate.

Contractor field overhead cost are included in account code 99 Associated General Items for 02 Relocations and 11 Levees and Floodwalls accounts and is therefore not a distributed cost.

Estimate/Design Contingency is included in the prime contractor markup as a distributed cost at 25%.

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|----------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 14,603,500 | 0 | 0 | 0 | 0 | 0 | 14,603,500 | 14603503 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 2,977,500 | 0 | 0 | 0 | 0 | 0 | 2,977,500 | 2977535 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| TOTAL CENTER STREET BRIDGE REPLACEMENT | 1.00 | JOB | 17,581,000 | 0 | 0 | 0 | 0 | 0 | 17,581,000 | 17581038 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIQH | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 1,179,500 | 0 | 0 | 0 | 0 | 0 | 1,179,500 | 1179519 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 1,179,500 | 0 | 0 | 0 | 0 | 0 | 1,179,500 | 1179519 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 23.00 | EA | 33,400 | 0 | 0 | 0 | 0 | 0 | 33,400 | 1452.85 |
| 02.01.03.03 Remove Bridge Railing | 289.00 | LF | 35,900 | 0 | 0 | 0 | 0 | 0 | 35,900 | 124.15 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 600.00 | LF | 1,300 | 0 | 0 | 0 | 0 | 0 | 1,300 | 2.24 |
| 02.01.03.05 Remove Asphalt Pavement | 795.00 | SY | 2,800 | 0 | 0 | 0 | 0 | 0 | 2,800 | 3.55 |
| 02.01.03.06 Remove Sidewalk | 913.00 | SY | 23,100 | 0 | 0 | 0 | 0 | 0 | 23,100 | 25.32 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 109,600 | 0 | 0 | 0 | 0 | 0 | 109,600 | 2740.02 |
| 02.01.03.10 Structure Excavation | 338.00 | CY | 28,100 | 0 | 0 | 0 | 0 | 0 | 28,100 | 83.04 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 99,300 | 0 | 0 | 0 | 0 | 0 | 99,300 | 49655.90 |
| 02.01.03.12 Concrete Pier Removal | 2.00 | EA | 85,700 | 0 | 0 | 0 | 0 | 0 | 85,700 | 42854.05 |
| 02.01.03.13 Granular Backfill | 338.00 | CY | 41,000 | 0 | 0 | 0 | 0 | 0 | 41,000 | 121.20 |
| 02.01.03.16 Concrete Arch Removal | 578.00 | CY | 112,000 | 0 | 0 | 0 | 0 | 0 | 112,000 | 193.84 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 572,300 | 0 | 0 | 0 | 0 | 0 | 572,300 | 572266.26 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 500.00 | LF | 1,501,000 | 0 | 0 | 0 | 0 | 0 | 1,501,000 | 3002.08 |
| 02.01.05.02 Structure Excavation | 1745.00 | CY | 103,300 | 0 | 0 | 0 | 0 | 0 | 103,300 | 59.19 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 97.00 | CY | 29,000 | 0 | 0 | 0 | 0 | 0 | 29,000 | 298.85 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 97.00 | CY | 12,700 | 0 | 0 | 0 | 0 | 0 | 12,700 | 130.99 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 22,900 | 0 | 0 | 0 | 0 | 0 | 22,900 | 91.64 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 1,411,700 | 0 | 0 | 0 | 0 | 0 | 1,411,700 | 5646.68 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 146,500 | 0 | 0 | 0 | 0 | 0 | 146,500 | 796.34 |
| 02.01.05.08 Granular Fill | 1464.00 | CY | 78,000 | 0 | 0 | 0 | 0 | 0 | 78,000 | 53.29 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 3,305,100 | 0 | 0 | 0 | 0 | 0 | 3,305,100 | 1652567 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |
| 02.01.06.01 Concrete Abutment Wall | 222.00 | CY | 222,000 | 0 | 0 | 0 | 0 | 0 | 222,000 | 1000.20 |
| TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 222,000 | 0 | 0 | 0 | 0 | 0 | 222,000 | 111022.60 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|-------------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.07.01 | 12600.00 | SF | 2,055,500 | 0 | 0 | 0 | 0 | 0 | 2,055,500 | 163.14 |
| 02.01.07.02 | 12600.00 | SF | 1,306,000 | 0 | 0 | 0 | 0 | 0 | 1,306,000 | 103.65 |
| | | | 3,361,600 | 0 | 0 | 0 | 0 | 0 | 3,361,600 | 266.79 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.08.01 | 8370.00 | SF | 354,200 | 0 | 0 | 0 | 0 | 0 | 354,200 | 42.32 |
| | | | 354,200 | 0 | 0 | 0 | 0 | 0 | 354,200 | 354216.22 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.13.01 | 1.00 | EA | 18,800 | 0 | 0 | 0 | 0 | 0 | 18,800 | 18839.94 |
| | | | 18,800 | 0 | 0 | 0 | 0 | 0 | 18,800 | 18839.94 |
| TOTAL TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.19 CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | | |
| 02.01.19.01 | 1838.00 | CY | 61,200 | 0 | 0 | 0 | 0 | 0 | 61,200 | 33.32 |
| | | | 61,200 | 0 | 0 | 0 | 0 | 0 | 61,200 | 61242.48 |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | | |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39.01 | 2688.00 | SY | 60,700 | 0 | 0 | 0 | 0 | 0 | 60,700 | 22.59 |
| 02.01.39.02 | 1184.00 | LF | 7,000 | 0 | 0 | 0 | 0 | 0 | 7,000 | 5.91 |
| 02.01.39.03 | 1389.00 | SY | 15,000 | 0 | 0 | 0 | 0 | 0 | 15,000 | 10.78 |
| 02.01.39.04 | 6025.00 | SF | 812,600 | 0 | 0 | 0 | 0 | 0 | 812,600 | 134.88 |
| 02.01.39.05 | 866.00 | CY | 51,300 | 0 | 0 | 0 | 0 | 0 | 51,300 | 59.19 |
| 02.01.39.06 | 1583.00 | CY | 17,700 | 0 | 0 | 0 | 0 | 0 | 17,700 | 11.18 |
| 02.01.39.07 | 76.00 | CY | 22,700 | 0 | 0 | 0 | 0 | 0 | 22,700 | 298.85 |
| 02.01.39.08 | 76.00 | CY | 10,000 | 0 | 0 | 0 | 0 | 0 | 10,000 | 130.99 |
| 02.01.39.09 | 2688.00 | SY | 227,300 | 0 | 0 | 0 | 0 | 0 | 227,300 | 84.58 |
| 02.01.39.10 | 1389.00 | SY | 74,500 | 0 | 0 | 0 | 0 | 0 | 74,500 | 53.61 |
| 02.01.39.11 | 284.00 | SY | 117,000 | 0 | 0 | 0 | 0 | 0 | 117,000 | 412.15 |
| 02.01.39.12 | 134.00 | CY | 93,900 | 0 | 0 | 0 | 0 | 0 | 93,900 | 700.58 |
| | | | 1,509,700 | 0 | 0 | 0 | 0 | 0 | 1,509,700 | 1509693 |
| TOTAL APPROACH ROADWAY | | | | | | | | | | |
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.01.99.01 | 27.00 | MO | 3,534,500 | 0 | 0 | 0 | 0 | 0 | 3,534,500 | 130907.83 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |

URS Corporation
 PROJECT RBCS01: CENTER STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 ** PROJECT OWNER SUMMARY - ELEMENT (Rounded to 100's) **

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOSH | TOTAL COST | UNIT COST |
|----------------------------------------------|----------|-----|---------------|---------|----------|----------|----------|-------|------------|-----------|
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 3,534,500 | 0 | 0 | 0 | 0 | 0 | 3,534,500 | 3534512 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | 1.00 | JOB | 14,119,000 | 0 | 0 | 0 | 0 | 0 | 14,119,000 | 14119038 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 Remove & Relocate Utilities | 1.00 | EA | 353,500 | 0 | 0 | 0 | 0 | 0 | 353,500 | 353485.44 |
| TOTAL UTILITIES | 1.00 | JOB | 353,500 | 0 | 0 | 0 | 0 | 0 | 353,500 | 353485.44 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 General Conditions | 1.00 | MO | 131,000 | 0 | 0 | 0 | 0 | 0 | 131,000 | 130979.18 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 131,000 | 0 | 0 | 0 | 0 | 0 | 131,000 | 130979.18 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | 1.00 | JOB | 484,500 | 0 | 0 | 0 | 0 | 0 | 484,500 | 484464.62 |
| TOTAL RELOCATIONS | 1.00 | JOB | 14,603,500 | 0 | 0 | 0 | 0 | 0 | 14,603,500 | 14603503 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 Wall Drain Outlet & Flapgate 18" | 2.00 | EA | 27,100 | 0 | 0 | 0 | 0 | 0 | 27,100 | 13530.13 |
| TOTAL DRAINAGE | 1.00 | JOB | 27,100 | 0 | 0 | 0 | 0 | 0 | 27,100 | 27060.26 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 Low Profile Cofferdam | 145.00 | LF | 13,300 | 0 | 0 | 0 | 0 | 0 | 13,300 | 91.81 |
| 11.02.03.02 Dewatering Cofferdam | 145.00 | LF | 818,700 | 0 | 0 | 0 | 0 | 0 | 818,700 | 5646.35 |
| TOTAL CARE & DIVERSION OF WATER | 1.00 | JOB | 832,000 | 0 | 0 | 0 | 0 | 0 | 832,000 | 832032.78 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 Removal of Flood Walls | 145.00 | LF | 475,600 | 0 | 0 | 0 | 0 | 0 | 475,600 | 3279.77 |
| 11.02.05.02 Flood Walls | 3770.00 | SF | 616,400 | 0 | 0 | 0 | 0 | 0 | 616,400 | 163.50 |
| 11.02.05.03 Structure Excavation | 2299.00 | CY | 136,100 | 0 | 0 | 0 | 0 | 0 | 136,100 | 59.19 |
| 11.02.05.04 Granular Backfill | 2244.00 | CY | 17,700 | 0 | 0 | 0 | 0 | 0 | 17,700 | 7.89 |
| 11.02.05.05 Struct Excav & Dispos Hazardous | 203.00 | CY | 60,700 | 0 | 0 | 0 | 0 | 0 | 60,700 | 298.85 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|----------------------------------------|-------------------------------|--------|---------------|---------|----------|----------|----------|------|------------|-----------|
| 11.02.05.06 | Struct Excav & Dispos Non-Haz | 203.00 | CY | 26,600 | 0 | 0 | 0 | 0 | 26,600 | 130.99 |
| TOTAL FLOODWALL CONSTRUCTION | | | | | | | | | | |
| | 1.00 | JOB | 1,333,000 | 0 | 0 | 0 | 0 | 0 | 1,333,000 | 1332995 |
| 11.02.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01 | General Conditions | 6.00 | MO | 785,400 | 0 | 0 | 0 | 0 | 785,400 | 130907.83 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 785,400 | 0 | 0 | 0 | 0 | 0 | 785,400 | 785447.01 |
| TOTAL FLOODWALLS | | | | | | | | | | |
| | 1.00 | JOB | 2,977,500 | 0 | 0 | 0 | 0 | 0 | 2,977,500 | 2977535 |
| TOTAL LEVEES AND FLOODWALLS | | | | | | | | | | |
| | 1.00 | JOB | 2,977,500 | 0 | 0 | 0 | 0 | 0 | 2,977,500 | 2977535 |
| 30 PLANNING, ENGINEERING AND DESIGN | | | | | | | | | | |
| 30.26 PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | | |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.26 PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | | |
| TOTAL CENTER STREET BRIDGE REPLACEMENT | | | | | | | | | | |
| | 1.00 | JOB | 17,581,000 | 0 | 0 | 0 | 0 | 0 | 17,581,000 | 17581038 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 10,005,000 | 0 | 600,300 | 848,400 | 229,100 | 2,920,700 | 14,603,500 | 14603503 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 2,039,900 | 0 | 122,400 | 173,000 | 46,700 | 595,500 | 2,977,500 | 2977535 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| TOTAL CENTER STREET BRIDGE REPLACEMENT | 1.00 | JOB | 12,044,900 | 0 | 722,700 | 1,021,400 | 275,800 | 3,516,200 | 17,581,000 | 17581038 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|--------------------------------------|----------|-----|--------------|----------|----------|---------|--------|---------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | | |
| | 1.00 | JOB | 808,100 | 0 | 48,500 | 68,500 | 18,500 | 235,900 | 1,179,500 | 1179519 |
| | 1.00 | JOB | 808,100 | 0 | 48,500 | 68,500 | 18,500 | 235,900 | 1,179,500 | 1179519 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | | |
| 02.01.03.01 | 23.00 | EA | 22,900 | 0 | 1,400 | 1,900 | 500 | 6,700 | 33,400 | 1452.85 |
| 02.01.03.03 | 289.00 | LF | 24,600 | 0 | 1,500 | 2,100 | 600 | 7,200 | 35,900 | 124.15 |
| 02.01.03.04 | 600.00 | LF | 900 | 0 | 100 | 100 | 0 | 300 | 1,300 | 2.24 |
| 02.01.03.05 | 795.00 | SY | 1,900 | 0 | 100 | 200 | 0 | 600 | 2,800 | 3.55 |
| 02.01.03.06 | 913.00 | SY | 15,800 | 0 | 1,000 | 1,300 | 400 | 4,600 | 23,100 | 25.32 |
| 02.01.03.08 | 40.00 | EA | 75,100 | 0 | 4,500 | 6,400 | 1,700 | 21,900 | 109,600 | 2740.02 |
| 02.01.03.10 | 338.00 | CY | 19,200 | 0 | 1,200 | 1,600 | 400 | 5,600 | 28,100 | 83.04 |
| 02.01.03.11 | 2.00 | EA | 68,000 | 0 | 4,100 | 5,800 | 1,600 | 19,900 | 99,300 | 49655.90 |
| 02.01.03.12 | 2.00 | EA | 58,700 | 0 | 3,500 | 5,000 | 1,300 | 17,100 | 85,700 | 42854.05 |
| 02.01.03.13 | 338.00 | CY | 28,100 | 0 | 1,700 | 2,400 | 600 | 8,200 | 41,000 | 121.20 |
| 02.01.03.16 | 578.00 | CY | 76,800 | 0 | 4,600 | 6,500 | 1,800 | 22,400 | 112,000 | 193.84 |
| | 1.00 | JOB | 392,100 | 0 | 23,500 | 33,200 | 9,000 | 114,500 | 572,300 | 572266.26 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | | |
| 02.01.05.01 | 500.00 | LF | 1,028,400 | 0 | 61,700 | 87,200 | 23,500 | 300,200 | 1,501,000 | 3002.08 |
| 02.01.05.02 | 1745.00 | CY | 70,800 | 0 | 4,200 | 6,000 | 1,600 | 20,700 | 103,300 | 59.19 |
| 02.01.05.03 | 97.00 | CY | 19,900 | 0 | 1,200 | 1,700 | 500 | 5,800 | 29,000 | 298.85 |
| 02.01.05.04 | 97.00 | CY | 8,700 | 0 | 500 | 700 | 200 | 2,500 | 12,700 | 130.99 |
| 02.01.05.05 | 250.00 | LF | 15,700 | 0 | 900 | 1,300 | 400 | 4,600 | 22,900 | 91.64 |
| 02.01.05.06 | 250.00 | LF | 967,100 | 0 | 58,000 | 82,000 | 22,100 | 282,300 | 1,411,700 | 5646.68 |
| 02.01.05.07 | 184.00 | CY | 100,400 | 0 | 6,000 | 8,500 | 2,300 | 29,300 | 146,500 | 796.34 |
| 02.01.05.08 | 1464.00 | CY | 53,400 | 0 | 3,200 | 4,500 | 1,200 | 15,600 | 78,000 | 53.29 |
| | 2.00 | EA | 2,264,400 | 0 | 135,900 | 192,000 | 51,800 | 661,000 | 3,305,100 | 1652567 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |
| 02.01.06.01 | 222.00 | CY | 152,100 | 0 | 9,100 | 12,900 | 3,500 | 44,400 | 222,000 | 1000.20 |
| | 2.00 | EA | 152,100 | 0 | 9,100 | 12,900 | 3,500 | 44,400 | 222,000 | 111022.60 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|--------------|----------|----------|---------|--------|---------|------------|-----------|
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.07.01 Bridge Superstructure | 12600.00 | SF | 1,408,300 | 0 | 84,500 | 119,400 | 32,200 | 411,100 | 2,055,500 | 163.14 |
| 02.01.07.02 Bridge Deck | 12600.00 | SF | 894,800 | 0 | 53,700 | 75,900 | 20,500 | 261,200 | 1,306,000 | 103.65 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | 12600.00 | SF | 2,303,000 | 0 | 138,200 | 195,300 | 52,700 | 672,300 | 3,361,600 | 266.79 |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.08.01 Bridge General Items | 8370.00 | SF | 242,700 | 0 | 14,600 | 20,600 | 5,600 | 70,800 | 354,200 | 42.32 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 242,700 | 0 | 14,600 | 20,600 | 5,600 | 70,800 | 354,200 | 354216.22 |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.13.01 Sitework | 1.00 | EA | 12,900 | 0 | 800 | 1,100 | 300 | 3,800 | 18,800 | 18839.94 |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 12,900 | 0 | 800 | 1,100 | 300 | 3,800 | 18,800 | 18839.94 |
| 02.01.19 CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | | |
| 02.01.19.01 Roadway Backfill | 1838.00 | CY | 42,000 | 0 | 2,500 | 3,600 | 1,000 | 12,200 | 61,200 | 33.32 |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 42,000 | 0 | 2,500 | 3,600 | 1,000 | 12,200 | 61,200 | 61242.48 |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39.01 Removal of Concrete Pavement | 2688.00 | SY | 41,600 | 0 | 2,500 | 3,500 | 1,000 | 12,100 | 60,700 | 22.59 |
| 02.01.39.02 Removal of Curb | 1184.00 | LF | 4,800 | 0 | 300 | 400 | 100 | 1,400 | 7,000 | 5.91 |
| 02.01.39.03 Removal of Sidewalk | 1389.00 | SY | 10,300 | 0 | 600 | 900 | 200 | 3,000 | 15,000 | 10.78 |
| 02.01.39.04 Retaining Walls | 6025.00 | SF | 556,700 | 0 | 33,400 | 47,200 | 12,700 | 162,500 | 812,600 | 134.88 |
| 02.01.39.05 Structure Excavation | 866.00 | CY | 35,100 | 0 | 2,100 | 3,000 | 800 | 10,300 | 51,300 | 59.19 |
| 02.01.39.06 Granular Backfill | 1583.00 | CY | 12,100 | 0 | 700 | 1,000 | 300 | 3,500 | 17,700 | 11.18 |
| 02.01.39.07 Struct Excav & Dispos Hazardous | 76.00 | CY | 15,600 | 0 | 900 | 1,300 | 400 | 4,500 | 22,700 | 298.85 |
| 02.01.39.08 Struct Excav & Dispos Non-Haz | 76.00 | CY | 6,800 | 0 | 400 | 600 | 200 | 2,000 | 10,000 | 130.99 |
| 02.01.39.09 Asphalt Pavement | 2688.00 | SY | 155,800 | 0 | 9,300 | 13,200 | 3,600 | 45,500 | 227,300 | 84.58 |
| 02.01.39.10 Sidewalk | 1389.00 | SY | 51,000 | 0 | 3,100 | 4,300 | 1,200 | 14,900 | 74,500 | 53.61 |
| 02.01.39.11 Concrete Pedestrian Ramp | 284.00 | SY | 80,200 | 0 | 4,800 | 6,800 | 1,800 | 23,400 | 117,000 | 412.15 |
| 02.01.39.12 Bridge Approach Slab | 134.00 | CY | 64,300 | 0 | 3,900 | 5,500 | 1,500 | 18,800 | 93,900 | 700.58 |
| TOTAL APPROACH ROADWAY | 1.00 | JOB | 1,034,300 | 0 | 62,100 | 87,700 | 23,700 | 301,900 | 1,509,700 | 1509693 |
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.01.99.01 General Conditions | 27.00 | MO | 2,421,500 | 0 | 145,300 | 205,300 | 55,400 | 706,900 | 3,534,500 | 130907.83 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------------|----------|-----|--------------|----------|----------|---------|---------|-----------|------------|-----------|
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 2,421,500 | 0 | 145,300 | 205,300 | 55,400 | 706,900 | 3,534,500 | 3534512 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | 1.00 | JOB | 9,673,100 | 0 | 580,400 | 820,300 | 221,500 | 2,823,800 | 14,119,000 | 14119038 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 Remove & Relocate Utilities | 1.00 | EA | 242,200 | 0 | 14,500 | 20,500 | 5,500 | 70,700 | 353,500 | 353485.44 |
| TOTAL UTILITIES | 1.00 | JOB | 242,200 | 0 | 14,500 | 20,500 | 5,500 | 70,700 | 353,500 | 353485.44 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 General Conditions | 1.00 | MO | 89,700 | 0 | 5,400 | 7,600 | 2,100 | 26,200 | 131,000 | 130979.18 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 89,700 | 0 | 5,400 | 7,600 | 2,100 | 26,200 | 131,000 | 130979.18 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | 1.00 | JOB | 331,900 | 0 | 19,900 | 28,100 | 7,600 | 96,900 | 484,500 | 484464.62 |
| TOTAL RELOCATIONS | 1.00 | JOB | 10,005,000 | 0 | 600,300 | 848,400 | 229,100 | 2,920,700 | 14,603,500 | 14603503 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 Wall Drain Outlet & Flapgate 18" | 2.00 | EA | 18,500 | 0 | 1,100 | 1,600 | 400 | 5,400 | 27,100 | 13530.13 |
| TOTAL DRAINAGE | 1.00 | JOB | 18,500 | 0 | 1,100 | 1,600 | 400 | 5,400 | 27,100 | 27060.26 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 Low Profile Cofferdam | 145.00 | LF | 9,100 | 0 | 500 | 800 | 200 | 2,700 | 13,300 | 91.81 |
| 11.02.03.02 Dewatering Cofferdam | 145.00 | LF | 560,900 | 0 | 33,700 | 47,600 | 12,800 | 163,700 | 818,700 | 5646.35 |
| TOTAL CARE & DIVERSION OF WATER | 1.00 | JOB | 570,000 | 0 | 34,200 | 48,300 | 13,100 | 166,400 | 832,000 | 832032.78 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 Removal of Flood Walls | 145.00 | LF | 325,800 | 0 | 19,500 | 27,600 | 7,500 | 95,100 | 475,600 | 3279.77 |
| 11.02.05.02 Flood Walls | 3770.00 | SF | 422,300 | 0 | 25,300 | 35,800 | 9,700 | 123,300 | 616,400 | 163.50 |
| 11.02.05.03 Structure Excavation | 2299.00 | CY | 93,200 | 0 | 5,600 | 7,900 | 2,100 | 27,200 | 136,100 | 59.19 |
| 11.02.05.04 Granular Backfill | 2244.00 | CY | 12,100 | 0 | 700 | 1,000 | 300 | 3,500 | 17,700 | 7.89 |
| 11.02.05.05 Struct Excav & Dispos Hazardous | 203.00 | CY | 41,600 | 0 | 2,500 | 3,500 | 1,000 | 12,100 | 60,700 | 298.85 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST | |
|-------------|----------------------------------------|--------|--------------|------------|----------|---------|-----------|---------|------------|------------|-----------|
| 11.02.05.06 | Struct Excav & Dispos Non-Haz | 203.00 | CY | 18,200 | 0 | 1,100 | 1,500 | 400 | 5,300 | 26,600 | 130.99 |
| | TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 913,200 | 0 | 54,800 | 77,400 | 20,900 | 266,600 | 1,333,000 | 1332995 |
| 11.02.99 | ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01 | General Conditions | 6.00 | MO | 538,100 | 0 | 32,300 | 45,600 | 12,300 | 157,100 | 785,400 | 130907.83 |
| | TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 538,100 | 0 | 32,300 | 45,600 | 12,300 | 157,100 | 785,400 | 785447.01 |
| | TOTAL FLOODWALLS | 1.00 | JOB | 2,039,900 | 0 | 122,400 | 173,000 | 46,700 | 595,500 | 2,977,500 | 2977535 |
| | TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 2,039,900 | 0 | 122,400 | 173,000 | 46,700 | 595,500 | 2,977,500 | 2977535 |
| 30 | PLANNING, ENGINEERING AND DESIGN | | | | | | | | | | |
| 30.26 | PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | | |
| 31 | CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.26 | PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | | |
| | TOTAL CENTER STREET BRIDGE REPLACEMENT | 1.00 | JOB | 12,044,900 | 0 | 722,700 | 1,021,400 | 275,800 | 3,516,200 | 17,581,000 | 17581038 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 32,400 | 3,743,900 | 1,058,700 | 2,658,700 | 2,543,700 | 10,005,000 | 100050003 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 6,200 | 720,200 | 193,800 | 338,300 | 787,700 | 2,039,900 | 2039938 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | |
| TOTAL CENTER STREET BRIDGE REPLACEMENT | 1.00 | JOB | 38,600 | 4,464,100 | 1,252,500 | 2,997,000 | 3,331,400 | 12,044,900 | 12044942 |
| HOME OFFICE OVERHEAD (G & A) | 6.00 | % | | | | | | 722,700 | |
| SUBTOTAL | | | | | | | | 12,767,600 | |
| PROFIT | 8.00 | % | | | | | | 1,021,400 | |
| SUBTOTAL | | | | | | | | 13,789,000 | |
| BOND | 2.00 | % | | | | | | 275,800 | |
| SUBTOTAL | | | | | | | | 14,064,800 | |
| ESTIMATE/DESIGN CONTINGENCY | 25.00 | % | | | | | | 3,516,200 | |
| TOTAL INCL INDIRECTS | | | | | | | | 17,581,000 | |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------|---------|----------|----------|-----------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 23.00 | EA | 200 | 14,800 | 8,100 | 0 | 0 | 22,900 | 995.36 |
| 02.01.03.03 Remove Bridge Railing | 289.00 | LF | 300 | 13,900 | 10,700 | 0 | 0 | 24,600 | 85.06 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 600.00 | LF | 0 | 700 | 200 | 0 | 0 | 900 | 1.53 |
| 02.01.03.05 Remove Asphalt Pavement | 795.00 | SY | 0 | 900 | 500 | 0 | 500 | 1,900 | 2.43 |
| 02.01.03.06 Remove Sidewalk | 913.00 | SY | 200 | 9,000 | 4,900 | 0 | 1,900 | 15,800 | 17.35 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 700 | 37,100 | 38,000 | 0 | 0 | 75,100 | 1877.22 |
| 02.01.03.10 Structure Excavation | 338.00 | CY | 200 | 10,600 | 8,700 | 0 | 0 | 19,200 | 56.89 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 700 | 31,800 | 30,200 | 0 | 6,000 | 68,000 | 34019.74 |
| 02.01.03.12 Concrete Pier Removal | 2.00 | EA | 600 | 27,700 | 26,300 | 0 | 4,700 | 58,700 | 29359.73 |
| 02.01.03.13 Granular Backfill | 338.00 | CY | 200 | 6,900 | 5,600 | 15,600 | 0 | 28,100 | 83.03 |
| 02.01.03.16 Concrete Arch Removal | 578.00 | CY | 700 | 34,000 | 36,500 | 0 | 6,300 | 76,800 | 132.80 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 3,800 | 187,300 | 169,700 | 15,600 | 19,400 | 392,100 | 392065.24 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 500.00 | LF | 2,600 | 236,900 | 24,600 | 301,700 | 465,100 | 1,028,400 | 2056.75 |
| 02.01.05.02 Structure Excavation | 1745.00 | CY | 900 | 38,900 | 31,900 | 0 | 0 | 70,800 | 40.55 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 97.00 | CY | 100 | 2,900 | 2,400 | 0 | 14,600 | 19,900 | 204.74 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 97.00 | CY | 100 | 2,900 | 2,400 | 0 | 3,400 | 8,700 | 89.74 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 200 | 10,100 | 1,700 | 3,900 | 0 | 15,700 | 62.79 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 2,900 | 114,200 | 5,400 | 156,200 | 691,400 | 967,100 | 3868.60 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 500 | 35,000 | 5,800 | 59,700 | 0 | 100,400 | 545.58 |
| 02.01.05.08 Granular Fill | 1464.00 | CY | 400 | 16,700 | 7,400 | 29,400 | 0 | 53,400 | 36.51 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 7,700 | 457,500 | 81,500 | 550,900 | 1,174,400 | 2,264,400 | 1132190 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | |
| 02.01.06.01 Concrete Abutment Wall | 222.00 | CY | 1,400 | 71,800 | 16,900 | 63,400 | 0 | 152,100 | 685.25 |
| TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 1,400 | 71,800 | 16,900 | 63,400 | 0 | 152,100 | 76062.68 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------------------------------------|----------|-----|---------|-----------|----------|-----------|---------|------------|-----------|
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | |
| 02.01.07.01 | 12600.00 | SF | 4,200 | 278,500 | 86,400 | 1,043,400 | 0 | 1,408,300 | 111.77 |
| 02.01.07.02 | 12600.00 | SF | 8,200 | 427,500 | 98,900 | 368,300 | 0 | 894,800 | 71.01 |
| TOTAL BRDIGES, SUPERSTRUCTURE & DECK | 12600.00 | SF | 12,400 | 706,000 | 185,400 | 1,411,700 | 0 | 2,303,000 | 182.78 |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | |
| 02.01.08.01 | 8370.00 | SF | 400 | 25,700 | 10,100 | 41,900 | 165,000 | 242,700 | 28.99 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 400 | 25,700 | 10,100 | 41,900 | 165,000 | 242,700 | 242677.01 |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | |
| 02.01.13.01 | 1.00 | EA | 100 | 4,500 | 0 | 8,400 | 0 | 12,900 | 12907.43 |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 100 | 4,500 | 0 | 8,400 | 0 | 12,900 | 12907.43 |
| 02.01.19 CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | |
| 02.01.19.01 | 1838.00 | CY | 100 | 3,300 | 3,400 | 35,300 | 0 | 42,000 | 22.83 |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 100 | 3,300 | 3,400 | 35,300 | 0 | 42,000 | 41957.83 |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | |
| 02.01.39.01 | 2688.00 | SY | 300 | 18,100 | 14,000 | 0 | 9,500 | 41,600 | 15.48 |
| 02.01.39.02 | 1184.00 | LF | 0 | 2,600 | 2,000 | 0 | 300 | 4,800 | 4.05 |
| 02.01.39.03 | 1389.00 | SY | 100 | 4,700 | 3,600 | 0 | 1,900 | 10,300 | 7.38 |
| 02.01.39.04 | 6025.00 | SF | 3,700 | 218,300 | 43,500 | 295,000 | 0 | 556,700 | 92.41 |
| 02.01.39.05 | 866.00 | CY | 400 | 19,300 | 15,800 | 0 | 0 | 35,100 | 40.55 |
| 02.01.39.06 | 1583.00 | CY | 100 | 3,000 | 2,500 | 6,700 | 0 | 12,100 | 7.66 |
| 02.01.39.07 | 76.00 | CY | 100 | 2,300 | 1,900 | 0 | 11,400 | 15,600 | 204.74 |
| 02.01.39.08 | 76.00 | CY | 100 | 2,300 | 1,900 | 0 | 2,700 | 6,800 | 89.74 |
| 02.01.39.09 | 2688.00 | SY | 500 | 32,000 | 14,600 | 109,200 | 0 | 155,800 | 57.94 |
| 02.01.39.10 | 1389.00 | SY | 300 | 14,500 | 3,100 | 33,400 | 0 | 51,000 | 36.73 |
| 02.01.39.11 | 284.00 | SY | 700 | 36,500 | 8,600 | 35,100 | 0 | 80,200 | 282.37 |
| 02.01.39.12 | 134.00 | CY | 300 | 19,100 | 3,000 | 42,200 | 0 | 64,300 | 479.97 |
| TOTAL APPROACH ROADWAY | 1.00 | JOB | 6,600 | 372,600 | 114,500 | 521,400 | 25,700 | 1,034,300 | 1034305 |
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 02.01.99.01 | 27.00 | MO | 100 | 1,846,700 | 460,100 | 9,700 | 105,000 | 2,421,500 | 89686.24 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 100 | 1,846,700 | 460,100 | 9,700 | 105,000 | 2,421,500 | 2421529 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | 1.00 | JOB | 32,400 | 3,675,400 | 1,041,600 | 2,658,400 | 2,297,600 | 9,673,100 | 9673092 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | |
| 02.03.18.01 Remove & Relocate Utilities | 1.00 | EA | 0 | 0 | 0 | 0 | 242,200 | 242,200 | 242176.35 |
| TOTAL UTILITIES | 1.00 | JOB | 0 | 0 | 0 | 0 | 242,200 | 242,200 | 242176.35 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 02.03.99.01 General Conditions | 1.00 | MO | 0 | 68,400 | 17,000 | 400 | 3,900 | 89,700 | 89735.12 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 0 | 68,400 | 17,000 | 400 | 3,900 | 89,700 | 89735.12 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | 1.00 | JOB | 0 | 68,400 | 17,000 | 400 | 246,100 | 331,900 | 331911.47 |
| TOTAL RELOCATIONS | 1.00 | JOB | 32,400 | 3,743,900 | 1,058,700 | 2,658,700 | 2,543,700 | 10,005,000 | 100050003 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | |
| 11.02.02.01 Wall Drain Outlet & Flapgate 18" | 2.00 | EA | 100 | 6,200 | 1,300 | 11,100 | 0 | 18,500 | 9269.63 |
| TOTAL DRAINAGE | 1.00 | JOB | 100 | 6,200 | 1,300 | 11,100 | 0 | 18,500 | 18539.25 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | |
| 11.02.03.01 Low Profile Cofferdam | 145.00 | LF | 100 | 5,900 | 1,000 | 2,300 | 0 | 9,100 | 62.90 |
| 11.02.03.02 Dewatering Cofferdam | 145.00 | LF | 1,700 | 66,200 | 3,100 | 90,600 | 401,000 | 560,900 | 3868.37 |
| TOTAL CARE & DIVERSION OF WATER | 1.00 | JOB | 1,800 | 72,100 | 4,100 | 92,900 | 401,000 | 570,000 | 570033.83 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | |
| 11.02.05.01 Removal of Flood Walls | 145.00 | LF | 0 | 0 | 0 | 0 | 325,800 | 325,800 | 2247.00 |
| 11.02.05.02 Flood Walls | 3770.00 | SF | 2,700 | 165,200 | 31,700 | 225,400 | 0 | 422,300 | 112.02 |
| 11.02.05.03 Structure Excavation | 2299.00 | CY | 1,200 | 51,200 | 42,000 | 0 | 0 | 93,200 | 40.55 |
| 11.02.05.04 Granular Backfill | 2244.00 | CY | 100 | 3,000 | 2,500 | 6,700 | 0 | 12,100 | 5.41 |
| 11.02.05.05 Struct Excav & Dispos Hazardous | 203.00 | CY | 100 | 6,100 | 5,000 | 0 | 30,500 | 41,600 | 204.74 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
|-------------|----------------------------------------|--------|---------|--------|-----------|-----------|-----------|------------|------------|-----------|
| 11.02.05.06 | Struct Excav & Dispos Non-Haz | 203.00 | CY | 100 | 6,100 | 5,000 | 0 | 7,100 | 18,200 | 89.74 |
| | TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 4,300 | 231,600 | 86,200 | 232,100 | 363,400 | 913,200 | 913247.87 |
| 11.02.99 | ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 11.02.99.01 | General Conditions | 6.00 | MO | 0 | 410,400 | 102,200 | 2,200 | 23,300 | 538,100 | 89686.24 |
| | TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 0 | 410,400 | 102,200 | 2,200 | 23,300 | 538,100 | 538117.46 |
| | TOTAL FLOODWALLS | 1.00 | JOB | 6,200 | 720,200 | 193,800 | 338,300 | 787,700 | 2,039,900 | 2039938 |
| | TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 6,200 | 720,200 | 193,800 | 338,300 | 787,700 | 2,039,900 | 2039938 |
| 30 | PLANNING, ENGINEERING AND DESIGN | | | | | | | | | |
| 30.26 | PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | |
| 31 | CONSTRUCTION MANAGEMENT | | | | | | | | | |
| 31.26 | PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | |
| | TOTAL CENTER STREET BRIDGE REPLACEMENT | 1.00 | JOB | 38,600 | 4,464,100 | 1,252,500 | 2,997,000 | 3,331,400 | 12,044,900 | 12044942 |
| | HOME OFFICE OVERHEAD (G & A) | 6.00 | % | | | | | | 722,700 | |
| | SUBTOTAL | | | | | | | | 12,767,600 | |
| | PROFIT | 8.00 | % | | | | | | 1,021,400 | |
| | SUBTOTAL | | | | | | | | 13,789,000 | |
| | BOND | 2.00 | % | | | | | | 275,800 | |
| | SUBTOTAL | | | | | | | | 14,064,800 | |
| | ESTIMATE/DESIGN CONTINGENCY | 25.00 | % | | | | | | 3,516,200 | |
| | TOTAL INCL INDIRECTS | | | | | | | | 17,581,000 | |

URS Corporation
PROJECT RBCS01: CENTER STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
Locally Preferred Plan Feasibility Study
** CONTRACTOR DIRECT SUMMARY - CONTRACT (Rounded to 100's) **

QUANTITY UOM MANHOOUR LABOR EQUIPMNT MATERIAL OTHER TOTAL COST

| | QUANTITY | UOM | MANHOOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST |
|-------------------------------------|----------|-----|----------|-----------|-----------|-----------|-----------|------------|
| AA PRIME CONTRACTOR | | | | | | | | |
| FE Fence - Subcontractor | 1.00 | JOB | 100 | 3,300 | 0 | 3,300 | 0 | 6,500 |
| PM Pavement Marking - Subcontractor | 1.00 | JOB | 0 | 1,500 | 1,300 | 1,600 | 0 | 4,400 |
| EL Electrical - Subcontractor | 1.00 | JOB | 400 | 21,500 | 11,800 | 0 | 54,200 | 87,500 |
| UT Util.Gas,Water,Sewer - Subcontr | 1.00 | JOB | 0 | 0 | 0 | 0 | 159,700 | 159,700 |
| SP A/C Pavement - Subcontractor | 1.00 | JOB | 500 | 23,600 | 10,800 | 80,600 | 0 | 115,000 |
| ST Reinforcing/Steel - Subcontractr | 1.00 | JOB | 5,600 | 372,200 | 38,600 | 552,300 | 0 | 963,100 |
| SB Sign & Barricade - Subcontractor | 1.00 | JOB | 0 | 100 | 0 | 3,100 | 0 | 3,200 |
| DS Drilled Shaft - Subcontractor | 1.00 | JOB | 0 | 0 | 0 | 0 | 362,500 | 362,500 |
| ----- | | | | | | | | |
| Subtotal Subcontract Work | 1.00 | JOB | 6,600 | 422,200 | 62,500 | 640,800 | 576,500 | 1,701,900 |
| Subcontracts Incl Indirect | 1.00 | JOB | 6,600 | 569,900 | 83,900 | 866,600 | 762,000 | 2,282,400 |
| Contractor's Own Work | 1.00 | JOB | 25,800 | 3,174,000 | 974,800 | 1,792,100 | 1,781,700 | 7,722,600 |
| ----- | | | | | | | | |
| AA PRIME CONTRACTOR | | | | | | | | |
| ----- | | | | | | | | |
| Subtotal Subcontract Work | 1.00 | JOB | 32,400 | 3,743,900 | 1,058,700 | 2,658,700 | 2,543,700 | 10,005,000 |
| ----- | | | | | | | | |
| AA PRIME CONTRACTOR | | | | | | | | |
| ST Reinforcing/Steel - Subcontractr | 1.00 | JOB | 900 | 58,800 | 6,100 | 79,700 | 0 | 144,600 |
| ----- | | | | | | | | |
| Subtotal Subcontract Work | 1.00 | JOB | 900 | 58,800 | 6,100 | 79,700 | 0 | 144,600 |
| ----- | | | | | | | | |
| Subcontracts Incl Indirect | 1.00 | JOB | 900 | 79,500 | 8,300 | 107,800 | 0 | 195,600 |
| Contractor's Own Work | 1.00 | JOB | 5,300 | 640,600 | 185,500 | 230,500 | 787,700 | 1,844,300 |
| ----- | | | | | | | | |
| AA PRIME CONTRACTOR | | | | | | | | |
| ----- | | | | | | | | |
| Subtotal Subcontract Work | 1.00 | JOB | 6,200 | 720,200 | 193,800 | 338,300 | 787,700 | 2,039,900 |

11. LEVEES AND FLOODWALLS

30. PLANNING, ENGINEERING AND DESIGN
31. CONSTRUCTION MANAGEMENT

| | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|-------------------------------------|--------------|----------|----------|---------|---------|-----------|------------|-----------|
| 01. LANDS AND DAMAGES | | | | | | | | |
| 02. RELOCATIONS | | | | | | | | |
| AA PRIME CONTRACTOR | | | | | | | | |
| FE Fence - Subcontractor | 6,500 | 800 | 600 | 800 | 0 | 0 | 8,700 | 8690.20 |
| PM Pavement Marking - Subcontractor | 4,400 | 500 | 400 | 500 | 0 | 0 | 5,900 | 5859.64 |
| EL Electrical - Subcontractor | 87,500 | 7,000 | 7,600 | 12,200 | 0 | 0 | 114,300 | 114279.70 |
| UT Util.Gas,Water,Sewer - Subcontr | 159,700 | 27,200 | 15,000 | 24,200 | 0 | 0 | 226,100 | 226081.90 |
| SP A/C Pavement - Subcontractor | 115,000 | 13,800 | 10,300 | 16,700 | 0 | 0 | 155,800 | 155754.90 |
| ST Reinforcing/Steel - Subcontractr | 963,100 | 144,500 | 55,400 | 139,500 | 0 | 0 | 1,302,500 | 1302460 |
| SB Sign & Barricade - Subcontractor | 3,200 | 400 | 200 | 500 | 0 | 0 | 4,200 | 4217.22 |
| DS Drilled Shaft - Subcontractor | 362,500 | 36,300 | 31,900 | 34,500 | 0 | 0 | 465,100 | 465102.00 |
| Subtotal Subcontract Work | 1,701,900 | 230,400 | 121,300 | 228,900 | 0 | 0 | 2,282,400 | 2282446 |
| Indirect on Subcontracts | 2,282,400 | 0 | 136,900 | 193,600 | 52,300 | 666,300 | 3,331,500 | 3331504 |
| Indirect on Own Work | 7,722,600 | 0 | 463,400 | 654,900 | 176,800 | 2,254,400 | 11,272,000 | 11271999 |
| AA PRIME CONTRACTOR | 10,005,000 | 0 | 600,300 | 848,400 | 229,100 | 2,920,700 | 14,603,500 | 14603503 |
| 11. LEVEES AND FLOODWALLS | | | | | | | | |
| AA PRIME CONTRACTOR | | | | | | | | |
| ST Reinforcing/Steel - Subcontractr | 144,600 | 21,700 | 8,300 | 21,000 | 0 | 0 | 195,600 | 195590.42 |
| Subtotal Subcontract Work | 144,600 | 21,700 | 8,300 | 21,000 | 0 | 0 | 195,600 | 195590.42 |
| Indirect on Subcontracts | 195,600 | 0 | 11,700 | 16,600 | 4,500 | 57,100 | 285,500 | 285487.69 |
| Indirect on Own Work | 1,844,300 | 0 | 110,700 | 156,400 | 42,200 | 538,400 | 2,692,000 | 2692047 |
| AA PRIME CONTRACTOR | 2,039,900 | 0 | 122,400 | 173,000 | 46,700 | 595,500 | 2,977,500 | 2977535 |

30. PLANNING, ENGINEERING AND DESIGN

31. CONSTRUCTION MANAGEMENT

| 01.18. GENERAL REEVALUATION REPORT (GRR) | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|-----------------------------------|----------|-----|---------|-------|----------|----------|-------|------------|-----------|
| 01. LANDS AND DAMAGES | | | | | | | | | | |
| 01.18. | GENERAL REEVALUATION REPORT (GRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.19. | LIMITED REEVALUATION REPORT (LRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.20. | PROJECT DESIGN MEMORANDUM (PDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.21. | FEATURE DESIGN MEMORANDUM (FDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.23. | PURCHASE RIGHT-OF-WAY | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LANDS AND DAMAGES | | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

02. RELOCATIONS
 02.01. ROADS, CONSTRUCTION ACTIVITIES
 02.01.01. MOB, DEMOB & PREP WORK
 02.01.01.01. Mob/Demob & Prep Work

| QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------|-----|---------|--------|----------|----------|-----------|------------|-----------|
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 510100.00 | 510100.00 | 510100.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 510,100 | 510,100 | 510100.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 75000.00 | 75000.00 | 75000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 75,000 | 75,000 | 75000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 55000.00 | 55000.00 | 55000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 55,000 | 55,000 | 55000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 21300.00 | 21300.00 | 21300.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 21,300 | 21,300 | 21300.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 40500.00 | 40500.00 | 40500.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 40,500 | 40,500 | 40500.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 22000.00 | 22000.00 | 22000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 22,000 | 22,000 | 22000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 24200.00 | 24200.00 | 24200.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 24,200 | 24,200 | 24200.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 25000.00 | 25000.00 | 25000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 25,000 | 25,000 | 25000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 35000.00 | 35000.00 | 35000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 35,000 | 35,000 | 35000.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 808,100 | 808,100 | 808100.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 808,100 | 808,100 | 808100.00 |
| 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 808,100 | 808,100 | 808100.00 |
| 23.00 | EA | 230 | 14,768 | 8,125 | 0.00 | 0.00 | 761.93 | 995.36 |
| 23.00 | EA | 230 | 14,768 | 8,125 | 0.00 | 0.00 | 22,893 | 995.36 |
| 23.00 | EA | 230 | 14,768 | 8,125 | 0.00 | 0.00 | 22,893 | 995.36 |

02.01.03. DEMOLITION/BRIDGE REMOVAL
 02.01.03.01. Remove Light Fixture
 02.01.03.01. Remove Light Fixture

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|----------|---------|---------------------------------|----------|----------|-------|------------|-----------|
| 02.01.03.03. Remove Bridge Railing | | | | | | | | |
| USR AA < | 202 1236 | > | Remove Bridge Railing | | | | | |
| 0.89 | | | 47.98 | 37.07 | 0.00 | 0.00 | 85.06 | |
| 289.00 | LF | | 13,867 | 10,714 | 0 | 0 | 24,581 | 85.06 |
| TOTAL Remove Bridge Railing | | | | | | | | |
| 289.00 | LF | | 13,867 | 10,714 | 0 | 0 | 24,581 | 85.06 |
| 02.01.03.04. Saw Cut Asphalt Pavement | | | | | | | | |
| USR AA < | 202 0038 | > | Saw Cut Asphalt Pavement - 3" | | | | | |
| 0.03 | | | 1.16 | 0.37 | 0.00 | 0.00 | 1.53 | |
| 600.00 | LF | | 697 | 223 | 0 | 0 | 920 | 1.53 |
| TOTAL Saw Cut Asphalt Pavement | | | | | | | | |
| 600.00 | LF | | 697 | 223 | 0 | 0 | 920 | 1.53 |
| 02.01.03.05. Remove Asphalt Pavement | | | | | | | | |
| USR AA < | 202 2128 | > | Remove Asphalt Pavement - 3" | | | | | |
| 0.02 | | | 1.14 | 0.63 | 0.00 | 0.00 | 1.76 | |
| 795.00 | SY | | 904 | 498 | 0 | 0 | 1,402 | 1.76 |
| TOTAL Remove Asphalt Pavement | | | | | | | | |
| 795.00 | SY | | 904 | 498 | 0 | 0 | 1,402 | 1.76 |
| 02.01.03.06. Remove Sidewalk | | | | | | | | |
| USR AA < | 202 2128 | > | Remove Concrete Sidewalk | | | | | |
| 0.20 | | | 9.83 | 5.41 | 0.00 | 0.00 | 15.24 | |
| 913.00 | SY | | 8,975 | 4,938 | 0 | 0 | 13,913 | 15.24 |
| TOTAL Remove Sidewalk | | | | | | | | |
| 913.00 | SY | | 8,975 | 4,938 | 0 | 0 | 13,913 | 15.24 |
| 02.01.03.08. Bridge Bearings Removal | | | | | | | | |
| USR AA < | 202 0021 | > | Bridge Bearing Removal | | | | | |
| 17.33 | | | 927.95 | 949.27 | 0.00 | 0.00 | 1877.22 | |
| 40.00 | EA | | 37,118 | 37,971 | 0 | 0 | 75,089 | 1877.22 |
| TOTAL Bridge Bearings Removal | | | | | | | | |
| 40.00 | EA | | 37,118 | 37,971 | 0 | 0 | 75,089 | 1877.22 |
| 02.01.03.10. Structure Excavation | | | | | | | | |
| USR AA < | 206 0500 | > | North Abut Structure Excavation | | | | | |
| 0.44 | | | 18.79 | 15.43 | 0.00 | 0.00 | 34.21 | |
| 200.00 | LCY | | 3,757 | 3,085 | 0 | 0 | 6,843 | 34.21 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| USR AA < | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------------------|--------|-----|---------|--------|----------|----------|-------|------------|-----------|
| USR AA < 206 0500 > South Abut Structure Excavation | 200.00 | LCY | 0.44 | 18.79 | 15.43 | 0.00 | 0.00 | 34.21 | 34.21 |
| | | | 88 | 3,757 | 3,085 | 0 | 0 | 6,843 | 34.21 |
| USR AA < 206 0500 > Center Pier Structure Excavation | 162.00 | LCY | 0.44 | 18.79 | 15.43 | 0.00 | 0.00 | 34.21 | 34.21 |
| | | | 71 | 3,044 | 2,499 | 0 | 0 | 5,543 | 34.21 |
| TOTAL Structure Excavation | 338.00 | CY | 246 | 10,558 | 8,670 | 0 | 0 | 19,228 | 56.89 |
| 02.01.03.11. Concrete Abutment Removal | | | | | | | | | |
| USR AA < 202 0008 > North Concrete Abutment Removal | 475.00 | LCY | 0.72 | 33.51 | 31.78 | 0.00 | 0.00 | 65.29 | 65.29 |
| | | | 343 | 15,919 | 15,094 | 0 | 0 | 31,013 | 65.29 |
| USR AA < 202 0038 > Disposal Fee; based on quote | 475.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | 0 | 0 | 0 | 0 | 3,007 | 3,007 | 6.33 |
| USR AA < 202 0008 > South Abutment Concrete Removal | 475.00 | LCY | 0.72 | 33.51 | 31.78 | 0.00 | 0.00 | 65.29 | 65.29 |
| | | | 343 | 15,919 | 15,094 | 0 | 0 | 31,013 | 65.29 |
| USR AA < 202 0038 > Disposal Fee; based on quote | 475.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | 0 | 0 | 0 | 0 | 3,007 | 3,007 | 6.33 |
| TOTAL Concrete Abutment Removal | 2.00 | EA | 686 | 31,837 | 30,189 | 0 | 6,014 | 68,039 | 34019.74 |
| 02.01.03.12. Concrete Pier Removal | | | | | | | | | |
| USR AA < 202 0008 > North Concrete Pier Removal | 368.00 | LCY | 0.81 | 37.70 | 35.75 | 0.00 | 0.00 | 73.45 | 73.45 |
| | | | 299 | 13,874 | 13,156 | 0 | 0 | 27,030 | 73.45 |
| USR AA < 202 0038 > Disposal Fee; based on quote | 368.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | 0 | 0 | 0 | 0 | 2,329 | 2,329 | 6.33 |
| USR AA < 202 0008 > South Concrete Pier Removal | 368.00 | LCY | 0.81 | 37.70 | 35.75 | 0.00 | 0.00 | 73.45 | 73.45 |
| | | | 299 | 13,874 | 13,156 | 0 | 0 | 27,030 | 73.45 |
| USR AA < 202 0038 > Disposal Fee; based on quote | 368.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | 0 | 0 | 0 | 0 | 2,329 | 2,329 | 6.33 |
| TOTAL Concrete Pier Removal | 2.00 | EA | 598 | 27,749 | 26,312 | 0 | 4,659 | 58,719 | 29359.73 |
| 02.01.03.13. Granular Backfill | | | | | | | | | |
| USR AA < 207 2004 > North Abutment Backfill | 194.00 | LCY | 0.21 | 8.84 | 7.26 | 20.07 | 0.00 | 36.17 | 36.17 |
| | | | 40 | 1,715 | 1,408 | 3,893 | 0 | 7,016 | 36.17 |
| USR AA < 207 2004 > South Abutment Backfill | 194.00 | LCY | 0.21 | 8.84 | 7.26 | 20.07 | 0.00 | 36.17 | 36.17 |
| | | | 40 | 1,715 | 1,408 | 3,893 | 0 | 7,016 | 36.17 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | | | |
|----------------------------------------------|-----|------|---------------------------------------|---------|-----|---------|---------|----------|----------|---------|------------|-----------|
| | | | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
| USR AA < | 207 | 2004 | > North Pier Backfill | 194.00 | LCY | 0.21 | 8.84 | 7.26 | 20.07 | 0.00 | 36.17 | 36.17 |
| | | | | | | 40 | 1,715 | 1,408 | 3,893 | 0 | 7,016 | 36.17 |
| USR AA < | 207 | 2004 | > South Pier Backfill | 194.00 | LCY | 0.21 | 8.84 | 7.26 | 20.07 | 0.00 | 36.17 | 36.17 |
| | | | | | | 40 | 1,715 | 1,408 | 3,893 | 0 | 7,016 | 36.17 |
| | | | TOTAL Granular Backfill | 338.00 | CY | 160 | 6,861 | 5,634 | 15,571 | 0 | 28,065 | 83.03 |
| 02.01.03.16. Concrete Arch Removal | | | | | | | | | | | | |
| USR AA < | | | > Concrete Removal | 994.00 | LCY | 0.72 | 34.21 | 36.68 | 0.00 | 0.00 | 70.89 | 70.89 |
| | | | | | | 718 | 34,007 | 36,461 | 0 | 0 | 70,467 | 70.89 |
| USR AA < | | | > Disposal Fee; based on quote | 994.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | | | | 0 | 0 | 0 | 0 | 6,292 | 6,292 | 6.33 |
| | | | TOTAL Concrete Arch Removal | 578.00 | CY | 718 | 34,007 | 36,461 | 0 | 6,292 | 76,759 | 132.80 |
| 02.01.05. BRIDGES, FOUNDATIONS | | | | | | | | | | | | |
| 02.01.05.01. Abutment Drilled Shaft | | | | | | | | | | | | |
| USR DS < | 508 | 0596 | > Drilling & Placing Conc & Reinf | 500.00 | LF | 0.00 | 0.00 | 0.00 | 0.00 | 725.00 | 725.00 | 725.00 |
| | | | | | | 0 | 0 | 0 | 0 | 465,102 | 465,102 | 930.20 |
| USR ST < | 505 | 0500 | > Drilled Shaft Reinforcing Steel | 145.40 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | | | | | | 2,617 | 236,947 | 24,606 | 301,721 | 0 | 563,274 | 3873.96 |
| | | | TOTAL Abutment Drilled Shaft | 500.00 | LF | 2,617 | 236,947 | 24,606 | 301,721 | 465,102 | 1,028,376 | 2056.75 |
| 02.01.05.02. Structure Excavation | | | | | | | | | | | | |
| USR AA < | 206 | 0500 | > Structural Excavation | 1745.00 | CY | 0.52 | 22.27 | 18.28 | 0.00 | 0.00 | 40.55 | 40.55 |
| | | | | | | 905 | 38,855 | 31,905 | 0 | 0 | 70,760 | 40.55 |
| | | | TOTAL Structure Excavation | 1745.00 | CY | 905 | 38,855 | 31,905 | 0 | 0 | 70,760 | 40.55 |
| 02.01.05.03. Struct Excav & Dispos Hazardous | | | | | | | | | | | | |
| USR AA < | 206 | 0500 | > Floodwall Excavation Hazardous | 97.00 | CY | 0.70 | 30.06 | 24.68 | 0.00 | 150.00 | 204.74 | 204.74 |
| | | | | | | 68 | 2,916 | 2,394 | 0 | 14,550 | 19,860 | 204.74 |
| | | | TOTAL Struct Excav & Dispos Hazardous | 97.00 | CY | 68 | 2,916 | 2,394 | 0 | 14,550 | 19,860 | 204.74 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------|------------|-------------------------------------|---------|----------|----------|---------|------------|-----------|
| 02.01.05.04. Struct Excav & Dispos Non-Haz | | | | | | | | |
| USR AA < | 206 0500 > | Floodwall Excavation Non-Haz | 0.70 | 30.06 | 24.68 | 0.00 | 35.00 | 89.74 |
| | | | 97.00 | 68 | 2,916 | 2,394 | 0 | 3,395 |
| | | | | | | | | |
| | | TOTAL Struct Excav & Dispos Non-Haz | 97.00 | 68 | 2,916 | 2,394 | 0 | 3,395 |
| | | | | | | | | 89.74 |
| 02.01.05.05. Low Profile Cofferdam | | | | | | | | |
| USR AA < | 637 XXXX > | Jersey Barrier Cofferdam | 0.50 | 26.71 | 4.24 | 14.32 | 0.00 | 45.26 |
| | | | 250.00 | 125 | 6,677 | 1,059 | 3,579 | 0 |
| | | | | | | | | 11,315 |
| | | | | | | | | 45.26 |
| USR AA < | 637 XXXX > | Remove Cofferdam | 0.25 | 13.35 | 2.12 | 0.00 | 0.00 | 15.48 |
| | | | 250.00 | 63 | 3,339 | 531 | 0 | 0 |
| | | | | | | | | 3,870 |
| | | | | | | | | 15.48 |
| USR AA < | 637 XXXX > | Load & Haul to Disposal Sandbags | 0.08 | 4.60 | 4.32 | 19.52 | 0.00 | 28.44 |
| | | | 18.00 | 1 | 83 | 78 | 351 | 0 |
| | | | | | | | | 512 |
| | | | | | | | | 28.44 |
| | | TOTAL Low Profile Cofferdam | 189 | 10,098 | 1,668 | 3,931 | 0 | 15,697 |
| | | | | | | | | 62.79 |
| 02.01.05.06. Dewatering Cofferdam | | | | | | | | |
| USR AA < | 637 XXXX > | Dewatering & Water Treatment | 11.62 | 456.67 | 21.62 | 624.91 | 0.00 | 1103.20 |
| | | | 250.00 | 2,905 | 114,166 | 5,406 | 156,227 | 0 |
| | | | | | | | | 275,800 |
| | | | | | | | | 1103.20 |
| USR AA < | 637 XXXX > | Treatment & Discharge of Water | 0.00 | 0.00 | 0.00 | 0.00 | 1650.00 | 1650.00 |
| | | | 419.00 | 0 | 0 | 0 | 691,350 | 691,350 |
| | | | | | | | | 1650.00 |
| | | TOTAL Dewatering Cofferdam | 2,905 | 114,166 | 5,406 | 156,227 | 691,350 | 967,150 |
| | | | | | | | | 3868.60 |
| 02.01.05.07. Abutment Footing Concrete | | | | | | | | |
| USR AA < | 502 0840 > | Abutment Footing Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 |
| | | | 1371.00 | 215 | 10,012 | 2,724 | 3,236 | 0 |
| | | | | | | | | 15,973 |
| | | | | | | | | 11.65 |
| USR ST < | 505 0500 > | Abutment Footing Reinforcing Stl | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 |
| | | | 13.80 | 248 | 22,489 | 2,335 | 28,637 | 0 |
| | | | | | | | | 53,461 |
| | | | | | | | | 3873.96 |
| USR AA < | 502 0840 > | Abutment Footing Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 |
| | | | 184.00 | 59 | 2,458 | 697 | 27,798 | 0 |
| | | | | | | | | 30,953 |
| | | | | | | | | 168.22 |
| | | TOTAL Abutment Footing Concrete | 184.00 | 523 | 34,959 | 5,756 | 59,671 | 0 |
| | | | | | | | | 100,386 |
| | | | | | | | | 545.58 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | | |
|-----------------------------------------------------|---------|-----|---------|---------|----------|-----------|-------|------------|-----------|--|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | | |
| 02.01.05.08. Granular Fill | | | | | | | | | | | |
| USR AA < 207 2004 > Abutment Granular Backfill | 1464.00 | LCY | 378 | 16,654 | 7,417 | 29,375 | 0 | 53,446 | 36.51 | | |
| TOTAL Granular Fill | 1464.00 | CY | 378 | 16,654 | 7,417 | 29,375 | 0 | 53,446 | 36.51 | | |
| 02.01.06. BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | | |
| 02.01.06.01. Concrete Abutment Wall | | | | | | | | | | | |
| USR AA < 502 0840 > Abutment Wall Forms | 4151.00 | SF | 1,142 | 53,051 | 14,433 | 9,799 | 0 | 77,283 | 18.62 | | |
| USR ST < 505 0500 > Abutment Wall Reinforcing Steel | 9.68 | TON | 174 | 15,773 | 1,638 | 20,085 | 0 | 37,497 | 3873.96 | | |
| USR AA < 502 0840 > Abutment Wall Concrete | 222.00 | CY | 71 | 2,965 | 841 | 33,539 | 0 | 37,345 | 168.22 | | |
| TOTAL Concrete Abutment Wall | 222.00 | CY | 1,387 | 71,790 | 16,912 | 63,424 | 0 | 152,125 | 685.25 | | |
| 02.01.07. BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | | |
| 02.01.07.01. Bridge Superstructure | | | | | | | | | | | |
| USR AA < 506 0000 > Structural Steel | 495820 | LB | 3,917 | 258,139 | 80,085 | 965,607 | 0 | 1,303,831 | 2.63 | | |
| USR AA < 506 XXXX > 2.5-Inch Structural Strands | 13044 | LB | 310 | 20,373 | 6,322 | 77,749 | 0 | 104,444 | 8.01 | | |
| TOTAL Bridge Superstructure | 12600 | SF | 4,227 | 278,512 | 86,407 | 1,043,356 | 0 | 1,408,275 | 111.77 | | |
| 02.01.07.02. Bridge Deck | | | | | | | | | | | |
| USR AA < 502 0864 > Deck Forms | 12608 | SF | 2,774 | 128,908 | 35,070 | 29,762 | 0 | 193,741 | 15.37 | | |
| USR ST < 505 0502 > Deck Reinforcing Steel Epoxy | 40.05 | TON | 721 | 65,266 | 6,778 | 107,401 | 0 | 179,445 | 4480.53 | | |
| USR AA < 502 0864 > Deck Concrete | 356.00 | CY | 142 | 5,944 | 1,685 | 53,784 | 0 | 61,413 | 172.51 | | |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | | | |
|---------------------------------------|------------|-----------------------------------|--|---------|-----|---------|---------|----------|----------|-------|------------|-----------|
| | | | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
| USR AA < | 502 0864 > | End Diaphragm Forms | | 8411.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | | 1,850 | | 1,850 | 85,996 | 23,396 | 19,855 | 0 | 129,247 | 15.37 |
| USR ST < | 505 0500 > | End Diaphragm Reinforcing Steel | | 4.62 | TON | 18.00 | 1204.98 | 125.13 | 1534.39 | 0.00 | 2864.51 | 2864.51 |
| | | | | 83 | | 83 | 7,529 | 782 | 9,587 | 0 | 17,898 | 3873.96 |
| USR ST < | 505 0502 > | End Diaphragm Reinforeg Stl Epoxy | | 6.93 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 3313.02 |
| | | | | 125 | | 125 | 11,293 | 1,173 | 18,584 | 0 | 31,050 | 4480.53 |
| USR AA < | 502 0864 > | End Diaphragm Concrete | | 154.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | | 123 | | 123 | 5,142 | 1,458 | 23,266 | 0 | 29,867 | 193.94 |
| USR AA < | 502 0864 > | Tie Beam Forms | | 5767.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | | 1,269 | | 1,269 | 58,965 | 16,041 | 13,614 | 0 | 88,620 | 15.37 |
| USR ST < | 505 0500 > | Tie Beam Reinforcing Steel | | 2.63 | TON | 18.00 | 1204.98 | 125.13 | 1534.39 | 0.00 | 2864.51 | 2864.51 |
| | | | | 47 | | 47 | 4,278 | 444 | 5,447 | 0 | 10,169 | 3873.96 |
| USR ST < | 505 0502 > | Tie Beam Reinforcing Steel Epoxy | | 0.09 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 3313.02 |
| | | | | 2 | | 2 | 147 | 15 | 241 | 0 | 403 | 4480.53 |
| USR AA < | 502 0864 > | Tie Beam Concrete | | 105.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | | 84 | | 84 | 3,506 | 994 | 15,863 | 0 | 20,364 | 193.94 |
| USR AA < | 502 0864 > | Facia Forms | | 481.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | | 106 | | 106 | 4,918 | 1,338 | 1,135 | 0 | 7,391 | 15.37 |
| USR ST < | 505 0502 > | Facia Reinforcing Steel Epoxy | | 0.40 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 3313.02 |
| | | | | 7 | | 7 | 652 | 68 | 1,073 | 0 | 1,792 | 4480.53 |
| USR AA < | 502 0864 > | Facia Concrete | | 9.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | | 7 | | 7 | 301 | 85 | 1,360 | 0 | 1,745 | 193.94 |
| USR AA < | 502 0864 > | Railing Forms | | 2403.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | | 529 | | 529 | 24,569 | 6,684 | 5,673 | 0 | 36,926 | 15.37 |
| USR ST < | 505 0502 > | Railing Reinforcing Steel Epoxy | | 3.00 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 3313.02 |
| | | | | 54 | | 54 | 4,889 | 508 | 8,045 | 0 | 13,442 | 4480.53 |
| USR AA < | 502 0864 > | Railing Concrete | | 44.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | | 35 | | 35 | 1,469 | 417 | 6,647 | 0 | 8,533 | 193.94 |
| USR AA < | 502 0864 > | Sidewalk Forms | | 222.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | | 49 | | 49 | 2,270 | 618 | 524 | 0 | 3,411 | 15.37 |
| USR ST < | 505 0502 > | Sidewalk Reinforcing Steel Epoxy | | 1.90 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 3313.02 |
| | | | | 34 | | 34 | 3,096 | 322 | 5,095 | 0 | 8,513 | 4480.53 |
| USR AA < | 502 0864 > | Sidewalk Concrete | | 83.00 | CY | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | 172.51 |
| | | | | 33 | | 33 | 1,386 | 393 | 12,540 | 0 | 14,318 | 172.51 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|-----------------------------------------------------|---------|-----|---------|---------|----------|-----------|---------|------------|-----------|---------|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| USR AA < 503 0012 > Prestressing CIP Concrete | 10.00 | EA | 12.29 | 696.47 | 67.99 | 2883.65 | 0.00 | 3648.11 | 364.81 | |
| TOTAL Bridge Deck | 12600 | SF | 8,197 | 427,488 | 98,949 | 368,333 | 0 | 894,770 | 71.01 | |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | 12600 | SF | 12,425 | 706,000 | 185,356 | 1,411,689 | 0 | 2,303,045 | 182.78 | |
| 02.01.08. BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.08.01. Bridge General Items | | | | | | | | | | |
| USR AA < 506 0000 > Expansion Joint 1-Inch | 150.00 | LF | 0.07 | 3.27 | 0.64 | 9.37 | 0.00 | 13.28 | 13.28 | |
| USR EL < 623 XXXX > Light Fixtures | 14.00 | EA | 0.00 | 0.00 | 0.00 | 0.00 | 2992.00 | 2992.00 | 54,721 | 3908.65 |
| USR EL < 623 XXXX > Install Light Fixtures | 14.00 | EA | 3.33 | 163.83 | 90.14 | 0.00 | 0.00 | 253.98 | 4,645 | 331.79 |
| USR EL < 623 XXXX > Reconstruct Signals | 8.00 | EA | 160 | 10,273 | 5,652 | 0 | 0 | 15,926 | 1990.72 | |
| USR PM < 632 XXXX > Pavement Striping | 1008.00 | LF | 0.04 | 1.53 | 1.24 | 1.59 | 0.00 | 4.37 | 5.81 | |
| USR ST < 506 0600 > Pedestrian Ornamental Handrail | 437.00 | LF | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | 112.78 | |
| USR AA < 999 XXXX > Miscellaneous Bridge Items | 12600 | SF | 0.00 | 0.00 | 0.00 | 0.00 | 8.75 | 8.75 | 110,250 | 8.75 |
| TOTAL Bridge General Items | 8370.00 | SF | 365 | 25,706 | 10,092 | 41,908 | 164,971 | 242,677 | 28.99 | |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 365 | 25,706 | 10,092 | 41,908 | 164,971 | 242,677 | 242,677 | 71.01 |
| 02.01.13. TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.13.01. Sitework | | | | | | | | | | |
| CIV SB <01530 1113 > Type 3 w/ Three Striped Boards | 8.00 | EA | 0.00 | 0.00 | 0.00 | 175.86 | 0.00 | 175.86 | 1,871 | 233.84 |
| CIV SB <01530 1114 > Blinking Light Attachment | 32.00 | EA | 0.00 | 0.00 | 0.00 | 23.61 | 0.00 | 23.61 | 1,004 | 31.39 |
| CIV SB <01530 1116 > Safety Barrels 36" Tall | 24.00 | EA | 0.00 | 0.00 | 0.00 | 35.41 | 0.00 | 35.41 | 1,130 | 47.08 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|-------------------------------------------------------|---------|-----|---------|--------|----------|----------|-------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| MIL SB <02842 0590 > Signs, reflectorized w/post, 12" | 4.00 | EA | 0.50 | 19.52 | 0.00 | 20.36 | 0.00 | 39.88 | 53.03 | |
| | | | 2 | 104 | 0 | 108 | 0 | 212 | | |
| L AF FE <01534 0100 > Fencing, 11 ga, chain link, 6' | 840.00 | LF | 0.10 | 3.90 | 0.00 | 3.87 | 0.00 | 7.78 | 10.35 | |
| | | | 84 | 4,363 | 0 | 4,327 | 0 | 8,690 | | |
| TOTAL Sitework | 1.00 | EA | 86 | 4,467 | 0 | 8,440 | 0 | 12,907 | 12907.43 | |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 86 | 4,467 | 0 | 8,440 | 0 | 12,907 | 12907.43 | |
| 02.01.19. CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | | |
| 02.01.19.01. Roadway Backfill | | | | | | | | | | |
| USR AA < 207 2004 > Sped & Compact Fill | 2298.00 | LCY | 0.03 | 1.43 | 1.49 | 15.34 | 0.00 | 18.26 | 18.26 | |
| | | | 64 | 3,283 | 3,414 | 35,260 | 0 | 41,958 | | |
| TOTAL Roadway Backfill | 1838.00 | CY | 64 | 3,283 | 3,414 | 35,260 | 0 | 41,958 | 22.83 | |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 64 | 3,283 | 3,414 | 35,260 | 0 | 41,958 | 41957.83 | |
| 02.01.39. APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39.01. Removal of Concrete Pavement | | | | | | | | | | |
| USR AA < 202 2112 > Remove Concrete Pavement 10" | 2688.00 | SY | 0.13 | 6.75 | 5.21 | 0.00 | 0.00 | 11.96 | 11.96 | |
| | | | 336 | 18,138 | 14,013 | 0 | 0 | 32,151 | | |
| USR AA < 202 0038 > Disposal Fee; based on quote | 1493.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 | |
| | | | 0 | 0 | 0 | 0 | 9,451 | 9,451 | | |
| TOTAL Removal of Concrete Pavement | 2688.00 | SY | 336 | 18,138 | 14,013 | 0 | 9,451 | 41,602 | 15.48 | |
| 02.01.39.02. Removal of Curb | | | | | | | | | | |
| USR AA < > Remove Concrete Curb | 1184.00 | LF | 0.04 | 2.16 | 1.67 | 0.00 | 0.00 | 3.83 | 3.83 | |
| | | | 47 | 2,557 | 1,975 | 0 | 0 | 4,532 | | |
| USR AA < > Disposal Fee; based on quote | 42.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 | |
| | | | 0 | 0 | 0 | 0 | 266 | 266 | | |
| TOTAL Removal of Curb | 1184.00 | LF | 47 | 2,557 | 1,975 | 0 | 266 | 4,798 | 4.05 | |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------|------------|--------------------------------|-------|---------|----------|---------|------------|-----------|
| 02.01.39.03. Removal of Sidewalk | | | | | | | | |
| USR AA < | 202 2172 > | Remove Concrete Sidewalk - 4" | 0.06 | 3.37 | 2.61 | 0.00 | 0.00 | 5.98 |
| | 1389.00 SY | | 87 | 4,686 | 3,620 | 0 | 0 | 8,307 |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | 308.00 LCY | | 0 | 0 | 0 | 1,950 | 1,950 | 6.33 |
| TOTAL Removal of Sidewalk | | | | | | | | |
| | 1389.00 SY | | 87 | 4,686 | 3,620 | 0 | 1,950 | 10,256 |
| 02.01.39.04. Retaining Walls | | | | | | | | |
| USR AA < | 502 0840 > | Footing Forms | 0.16 | 7.30 | 1.99 | 0.00 | 0.00 | 11.65 |
| | 3339.00 SF | | 525 | 24,385 | 6,634 | 7,882 | 0 | 38,901 |
| USR ST < | 505 0500 > | Footing Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 |
| | 28.53 TON | | 514 | 46,493 | 4,828 | 59,203 | 0 | 110,524 |
| USR AA < | 502 0840 > | Footing Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 |
| | 371.00 CY | | 119 | 4,955 | 1,405 | 56,050 | 0 | 62,411 |
| USR AA < | 502 0840 > | Wall Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 |
| | 12351 SF | | 1,940 | 90,199 | 24,539 | 29,156 | 0 | 143,895 |
| USR ST < | 505 0500 > | Wall Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 |
| | 20.28 TON | | 365 | 33,047 | 3,432 | 42,081 | 0 | 78,559 |
| USR AA < | 502 0840 > | Wall Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 |
| | 262.00 CY | | 84 | 3,499 | 992 | 39,583 | 0 | 44,074 |
| USR ST < | 506 0600 > | Pedestrian Ornamental Handrail | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 |
| | 695.00 LF | | 174 | 15,730 | 1,634 | 61,016 | 0 | 78,380 |
| TOTAL Retaining Walls | | | | | | | | |
| | 6025.00 SF | | 3,720 | 218,309 | 43,465 | 294,970 | 0 | 556,743 |
| 02.01.39.05. Structure Excavation | | | | | | | | |
| USR AA < | 206 0500 > | Structural Excavation | 0.52 | 22.27 | 18.28 | 0.00 | 0.00 | 40.55 |
| | 866.00 CY | | 449 | 19,283 | 15,834 | 0 | 0 | 35,116 |
| TOTAL Structure Excavation | | | | | | | | |
| | 866.00 CY | | 449 | 19,283 | 15,834 | 0 | 0 | 35,116 |
| 02.01.39.06. Granular Backfill | | | | | | | | |
| USR AA < | 207 2004 > | Granular Backfill | 0.25 | 10.74 | 8.82 | 24.08 | 0.00 | 43.63 |
| | 278.00 CY | | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------------|-----|---------|---------|----------|----------|--------|------------|-----------|
| 1583.00 | CY | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 7.66 |
| TOTAL Granular Backfill | | | | | | | | |
| 02.01.39.07. Struct Excav & Dispos Hazardous | | | | | | | | |
| 0.70 | | | 30.06 | 24.68 | 0.00 | 150.00 | 204.74 | |
| 76.00 | CY | 53 | 2,285 | 1,876 | 0 | 11,400 | 15,560 | 204.74 |
| TOTAL Struct Excav & Dispos Hazardous | | | | | | | | |
| 76.00 | CY | 53 | 2,285 | 1,876 | 0 | 11,400 | 15,560 | 204.74 |
| 02.01.39.08. Struct Excav & Dispos Non-Haz | | | | | | | | |
| 0.70 | | | 30.06 | 24.68 | 0.00 | 35.00 | 89.74 | |
| 76.00 | CY | 53 | 2,285 | 1,876 | 0 | 2,660 | 6,820 | 89.74 |
| TOTAL Struct Excav & Dispos Non-Haz | | | | | | | | |
| 76.00 | CY | 53 | 2,285 | 1,876 | 0 | 2,660 | 6,820 | 89.74 |
| 02.01.39.09. Asphalt Pavement | | | | | | | | |
| 0.48 | | | 21.94 | 7.68 | 53.11 | 0.00 | 82.73 | |
| 847.00 | TON | 407 | 25,170 | 8,810 | 60,946 | 0 | 94,926 | 112.07 |
| L USR SP < 402 6000 > Plant Mix Surfacing | | | | | | | | |
| 0.06 | | | 3.02 | 2.54 | 21.25 | 0.00 | 26.81 | |
| 1675.00 | TON | 99 | 6,862 | 5,757 | 48,210 | 0 | 60,829 | 36.32 |
| USR SP < 302 0500 > Aggregate Base | | | | | | | | |
| 2688.00 | SY | 505 | 32,032 | 14,566 | 109,157 | 0 | 155,755 | 57.94 |
| TOTAL Asphalt Pavement | | | | | | | | |
| 02.01.39.10. Sidewalk | | | | | | | | |
| 0.09 | | | 4.26 | 1.16 | 2.36 | 0.00 | 7.78 | |
| 1649.00 | SF | 151 | 7,025 | 1,911 | 3,893 | 0 | 12,829 | 7.78 |
| USR AA < 613 0876 > Sidewalk Forms | | | | | | | | |
| 18.00 | | | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | |
| 3.00 | TON | 54 | 4,889 | 508 | 6,225 | 0 | 11,622 | 3873.96 |
| USR ST < 613 0876 > Sidewalk Reinforcing Mesh | | | | | | | | |
| 0.40 | | | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | |
| 154.00 | CY | 62 | 2,571 | 729 | 23,266 | 0 | 26,566 | 172.51 |
| USR AA < 613 0876 > Sidewalk Concrete | | | | | | | | |
| 1389.00 | SY | 267 | 14,485 | 3,148 | 33,384 | 0 | 51,017 | 36.73 |
| TOTAL Sidewalk | | | | | | | | |
| 02.01.39.11. Concrete Pedestrian Ramp | | | | | | | | |
| 0.16 | | | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | |
| 233.00 | SF | 37 | 1,702 | 463 | 550 | 0 | 2,715 | 11.65 |
| USR AA < 502 0840 > Footing Forms | | | | | | | | |

URS Corporation
 PROJECT RBCS01: CENTER STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 02. RELOCATIONS

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|-------------------------------------------|----------|-----|---------|---------|----------|----------|--------|------------|-----------|
| USR ST < | 505 0500 > Footing Reinforcing Steel | 1.50 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | | 27 | | 2,447 | | 254 | 3,116 | 0 | 5,817 | |
| USR AA < | 502 0840 > Footing Concrete | 33.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 |
| | | 11 | | 441 | | 125 | 4,986 | 0 | 5,551 | |
| USR AA < | 502 0840 > Wall Forms | 1869.00 | SF | 0.28 | 12.78 | 3.48 | 2.36 | 0.00 | 18.62 | 18.62 |
| | | 514 | | 23,886 | | 6,499 | 4,412 | 0 | 34,797 | |
| USR ST < | 505 0500 > Wall Reinforcing Steel | 2.09 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | | 38 | | 3,411 | | 354 | 4,343 | 0 | 8,108 | |
| USR AA < | 502 0840 > Wall Concrete | 46.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 |
| | | 15 | | 614 | | 174 | 6,950 | 0 | 7,738 | |
| USR ST < | 506 0600 > Pedestrian Ornamental Handrail | 44.00 | LF | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | 112.78 |
| | | 11 | | 996 | | 103 | 3,863 | 0 | 4,962 | |
| USR AA < | 613 0876 > Sidewalk Forms | 353.00 | SF | 0.09 | 4.26 | 1.16 | 2.36 | 0.00 | 7.78 | 7.78 |
| | | 32 | | 1,504 | | 409 | 833 | 0 | 2,746 | |
| USR ST < | 613 0876 > Sidewalk Reinforcing Mesh | 0.58 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | | 10 | | 941 | | 98 | 1,198 | 0 | 2,237 | |
| USR AA < | 613 0876 > Sidewalk Concrete | 32.00 | CY | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | 172.51 |
| | | 13 | | 534 | | 151 | 4,835 | 0 | 5,520 | |
| | TOTAL Concrete Pedestrian Ramp | 284.00 | SY | 707 | 36,476 | 8,631 | 35,085 | 0 | 80,192 | 282.37 |
| 02.01.39.12. Bridge Approach Slab | | | | | | | | | | |
| USR AA < | 502 0864 > Slab Edge Forms | 150.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | 33 | | 1,534 | | 417 | 354 | 0 | 2,305 | |
| USR ST < | 505 0502 > Reinforcing Steel Epoxy | 8.04 | TON | 18.00 | 1204.98 | 125.14 | 1982.90 | 0.00 | 3313.02 | 4480.53 |
| | | 145 | | 13,102 | | 1,361 | 21,561 | 0 | 36,023 | |
| USR AA < | 502 0864 > Approach Slab Concrete | 134.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | 107 | | 4,474 | | 1,269 | 20,245 | 0 | 25,988 | |
| | TOTAL Bridge Approach Slab | 134.00 | CY | 285 | 19,110 | 3,047 | 42,159 | 0 | 64,316 | 479.97 |
| | TOTAL APPROACH ROADWAY | 1.00 | JOB | 6,579 | 372,629 | 114,501 | 521,449 | 25,726 | 1,034,305 | 1034305 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------------------|------------------------------------------------------|---------|-----|---------|---------|----------|----------|-------|------------|-----------|
| 02.01.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.01.99.01. General Conditions | | | | | | | | | | |
| M | USR AA < 629 0100 > 1-Temp Office Trailer 32' X 8' | 27.00 | MO | 0 | 0.00 | 26,730 | 0.00 | 0.00 | 990.00 | 990.00 |
| M | USR AA < 629 0100 > 2-Temp Const Stor. Van 16 X 8 | 54.00 | MO | 0 | 0.00 | 8,100 | 0.00 | 0.00 | 150.00 | 26,730 |
| M | USR AA < 629 0100 > Toilet Portable Chemical | 27.00 | MO | 0 | 0.00 | 4,860 | 0.00 | 0.00 | 180.00 | 8,100 |
| USR AA < 629 0100 > Office Supply | 27.00 | MO | 0 | 0.00 | 0.00 | 306.88 | 0.00 | 0.00 | 180.00 | 4,860 |
| USR AA < 629 0100 > Schedule Updates | 27.00 | MO | 0 | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 306.88 | 8,286 |
| USR AA < 629 0100 > Temp. Utilities Usage | 27.00 | MON | 0 | 0.00 | 4,752 | 2,916 | 1,434 | 0.00 | 8,286 | 337.11 |
| USR AA < 629 0100 > Site Debris Clean-Up & Removal | 6.75 | MO | 60 | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 1100.00 | 29,700 |
| M | USR AA < 629 0100 > Field Surveying Service | 4.05 | MON | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 1100.00 |
| M | USR AA < 629 0100 > 2-Flag Person - Traffic Control | 17.55 | MON | 0 | 88.031 | 0.00 | 0.00 | 0.00 | 75,330 | 29,700 |
| L | USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 2025.00 | HR | 0 | 0.00 | 17.38 | 0.00 | 0.00 | 5016.00 | 5016.00 |
| M | USR AA < 629 0100 > Program Manager | 540.00 | HRS | 0 | 130.90 | 0.00 | 0.00 | 0.00 | 88,031 | 5016.00 |
| L | USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 540.00 | HR | 0 | 70,686 | 0.00 | 0.00 | 0.00 | 88,031 | 5016.00 |
| M | USR AA < 629 0100 > Project Manager | 3375.00 | HRS | 0 | 95.70 | 0.00 | 0.00 | 0.00 | 17.38 | 17.38 |
| L | USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3375.00 | HR | 0 | 322,988 | 0.00 | 0.00 | 0.00 | 95,700 | 322,988 |
| USR AA < 629 0100 > Clerk\Secretary | 2250.00 | HRS | 0 | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 17.38 | 17.38 |
| L | USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 2250.00 | HR | 0 | 86,625 | 0.00 | 0.00 | 0.00 | 58,669 | 17,380 |

PROJECT RBCS01: URS Corporation
 CENTER STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 02. RELOCATIONS

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
|--------------------------------------------------------|---------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 4500.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 88.00 |
| | | | 0 | 396,000 | 0 | 0 | 0 | 396,000 | 88.00 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4500.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | 0 | 0 | 78,225 | 0 | 0 | 78,225 | 17.38 |
| USR AA < 629 0100 > Safety & Health Person | 4050.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 |
| | | | 0 | 289,575 | 0 | 0 | 0 | 289,575 | 71.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4050.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | 0 | 0 | 70,402 | 0 | 0 | 70,402 | 17.38 |
| M USR AA < 629 0100 > QC Engineers, Includes: | 4050.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 |
| | | | 0 | 334,125 | 0 | 0 | 0 | 334,125 | 82.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4050.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | 0 | 0 | 70,402 | 0 | 0 | 70,402 | 17.38 |
| USR AA < 629 0100 > QA Engineer | 3150.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 |
| | | | 0 | 251,213 | 0 | 0 | 0 | 251,213 | 79.75 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3150.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | 0 | 0 | 54,757 | 0 | 0 | 54,757 | 17.38 |
| TOTAL General Conditions | 27.00 | MO | 60 | 1,846,700 | 460,079 | 9,720 | 105,030 | 2,421,529 | 89686.24 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 60 | 1,846,700 | 460,079 | 9,720 | 105,030 | 2,421,529 | 2421529 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | 1.00 | JOB | 32,425 | 3,675,426 | 1,041,634 | 2,658,387 | 2,297,645 | 9,673,092 | 9673092 |

| 02.03. CEMETERY, UTILITIES & STRUCTURES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|------------|-----------------|---------------------|---------|-------|----------|----------|----------|------------|-----------|
| 02.03. CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18. UTILITIES | | | | | | | | | | |
| 02.03.18.01. Remove & Relocate Utilities | | | | | | | | | | |
| USR UT < | 609 XXXX > | Temp Relocation | Water Line 8" | 0.00 | 0.00 | 0.00 | 0.00 | 135.00 | 135.00 | |
| | | | | 265.00 | LF | 0 | 0 | 50,630 | 50,630 | 191.06 |
| USR UT < | 609 XXXX > | Temp Relocation | Water Valve 8" | 0.00 | 0.00 | 0.00 | 0.00 | 489.00 | 489.00 | |
| | | | | 4.00 | EA | 0 | 0 | 2,768 | 2,768 | 692.05 |
| USR UT < | 609 XXXX > | Temp Relocation | Water Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 3500.00 | 3500.00 | |
| | | | | 4.00 | EA | 0 | 0 | 19,813 | 19,813 | 4953.31 |
| USR UT < | 609 XXXX > | Temp Relocation | Fire Hydrant | 0.00 | 0.00 | 0.00 | 0.00 | 750.00 | 750.00 | |
| | | | | 1.00 | EA | 0 | 0 | 1,061 | 1,061 | 1061.42 |
| USR UT < | 609 XXXX > | Permanent | Water Line 8" | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | |
| | | | | 265.00 | LF | 0 | 0 | 37,504 | 37,504 | 141.52 |
| USR UT < | 609 XXXX > | Permanent | Water Valve 8" | 0.00 | 0.00 | 0.00 | 0.00 | 367.00 | 367.00 | |
| | | | | 4.00 | EA | 0 | 0 | 2,078 | 2,078 | 519.39 |
| USR UT < | 609 XXXX > | Permanenent | Water Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 2800.00 | 2800.00 | |
| | | | | 4.00 | EA | 0 | 0 | 15,851 | 15,851 | 3962.65 |
| USR UT < | 609 XXXX > | Permanent | Fire Hydrant | 0.00 | 0.00 | 0.00 | 0.00 | 600.00 | 600.00 | |
| | | | | 1.00 | EA | 0 | 0 | 849 | 849 | 849.14 |
| USR EL < | 609 XXXX > | Temp Relocat | U/G Electric 2 x 2" | 0.00 | 0.00 | 0.00 | 0.00 | 43.00 | 43.00 | |
| | | | | 160.00 | LF | 0 | 0 | 8,988 | 8,988 | 56.17 |
| USR UT < | 609 XXXX > | Temp Relocate | Power Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 18750.00 | 18750.00 | |
| | | | | 2.00 | EA | 0 | 0 | 53,071 | 53,071 | 26535.60 |
| USR EL < | 609 XXXX > | Relocate | U/G Electric 2 x 2" | 0.00 | 0.00 | 0.00 | 0.00 | 34.00 | 34.00 | |
| | | | | 160.00 | LF | 0 | 0 | 7,107 | 7,107 | 44.42 |
| USR UT < | 609 XXXX > | Relocate | Power Manhole | 0.00 | 0.00 | 0.00 | 0.00 | 15000.00 | 15000.00 | |
| | | | | 2.00 | EA | 0 | 0 | 42,457 | 42,457 | 21228.48 |
| TOTAL Remove & Relocate Utilities | | | | 0 | 0 | 0 | 0 | 242,176 | 242,176 | 242176.35 |
| TOTAL UTILITIES | | | | 0 | 0 | 0 | 0 | 242,176 | 242,176 | 242176.35 |

| 02.03. CEMETERY, UTILITIES & STRUCTURES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | | | | |
|-----------------------------------------|-----|--------|-----|---------|-------|--------------------------------|----------------------------------|--------|------------|-----------|----------|-------|------|----------|
| 02.03.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | | | | | |
| 02.03.99.01. General Conditions | | | | | | | | | | | | | | |
| M | USR | AA | < | 629 | 0100 | > | 1-Temp Office Trailer 32' X 8' | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 0.00 | 990.00 |
| | | | | 1.00 | MO | | | 0 | 0 | 990 | 0 | 0 | 0 | 990.00 |
| M | USR | AA | < | 629 | 0100 | > | 2-Temp Const Stor. Van 16 X 8 | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 0.00 | 150.00 |
| | | | | 2.00 | MO | | | 0 | 0 | 300 | 0 | 0 | 0 | 150.00 |
| M | USR | AA | < | 629 | 0100 | > | Toilet Portable Chemical | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 0.00 | 180.00 |
| | | | | 1.00 | MO | | | 0 | 0 | 180 | 0 | 0 | 0 | 180.00 |
| USR | AA | < | 629 | 0100 | > | Office Supply | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 0.00 | 0.00 | 306.88 |
| | | | | 1.00 | MO | | | 0 | 0 | 0 | 307 | 0 | 0 | 307 |
| USR | AA | < | 629 | 0100 | > | Schedule Updates | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 0.00 | 0.00 | 337.11 |
| | | | | 1.00 | MO | | | 0 | 176 | 108 | 53 | 0 | 0 | 337 |
| USR | AA | < | 629 | 0100 | > | Temp. Utilities Usage | 0.00 | 0.00 | 0.00 | 1100.00 | 0.00 | 0.00 | 0.00 | 1100.00 |
| | | | | 1.00 | MON | | | 0 | 0 | 0 | 1,100 | 0 | 0 | 1,100 |
| USR | AA | < | 629 | 0100 | > | Site Debris Clean-Up & Removal | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 0.00 | 0.00 | 595.90 |
| | | | | 0.25 | MO | | | 2 | 100 | 49 | 0 | 0 | 0 | 149 |
| M | USR | AA | < | 629 | 0100 | > | Field Surveying Service | 0.00 | 0.00 | 0.00 | 18600.00 | 0.00 | 0.00 | 18600.00 |
| | | | | 0.15 | MON | | | 0 | 0 | 0 | 0 | 2,790 | 0 | 2,790 |
| M | USR | AA | < | 629 | 0100 | > | 2-Flag Person - Traffic Control | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5016.00 |
| | | | | 0.65 | MON | | | 0 | 3,260 | 0 | 0 | 0 | 0 | 3,260 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 0.00 | 17.38 |
| | | | | 75.00 | HR | | | 0 | 0 | 1,304 | 0 | 0 | 0 | 1,304 |
| M | USR | AA | < | 629 | 0100 | > | Program Manager | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 0.00 | 130.90 |
| | | | | 20.00 | HRS | | | 0 | 2,618 | 0 | 0 | 0 | 0 | 2,618 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 0.00 | 17.38 |
| | | | | 20.00 | HR | | | 0 | 0 | 348 | 0 | 0 | 0 | 348 |
| M | USR | AA | < | 629 | 0100 | > | Project Manager | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 0.00 | 95.70 |
| | | | | 125.00 | HRS | | | 0 | 11,963 | 0 | 0 | 0 | 0 | 11,963 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 0.00 | 17.38 |
| | | | | 125.00 | HR | | | 0 | 0 | 2,173 | 0 | 0 | 0 | 2,173 |
| USR | AA | < | 629 | 0100 | > | Clerk\Secretary | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.50 |
| | | | | 83.00 | HRS | | | 0 | 3,196 | 0 | 0 | 0 | 0 | 3,196 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 0.00 | 17.38 |
| | | | | 83.00 | HR | | | 0 | 0 | 1,443 | 0 | 0 | 0 | 1,443 |

| 02.03. CEMETERY, UTILITIES & STRUCTURES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|---------------------------------------------|--------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| USR AA < | 629 0100 > Site Super/Engin./Disturb.Coord. | 167.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 88.00 |
| | | | | | 14,696 | 0 | 0 | 0 | 14,696 | 88.00 |
| L USR AA < | 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 167.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 2,903 | 0 | 0 | 2,903 | 17.38 |
| USR AA < | 629 0100 > Safety & Health Person | 150.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 |
| | | | | | 10,725 | 0 | 0 | 0 | 10,725 | 71.50 |
| L USR AA < | 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 150.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 2,607 | 0 | 0 | 2,607 | 17.38 |
| M USR AA < | 629 0100 > QC Engineers, Includes: | 150.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 |
| | | | | | 12,375 | 0 | 0 | 0 | 12,375 | 82.50 |
| L USR AA < | 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 150.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 2,607 | 0 | 0 | 2,607 | 17.38 |
| USR AA < | 629 0100 > QA Engineer | 117.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 |
| | | | | | 9,331 | 0 | 0 | 0 | 9,331 | 79.75 |
| L USR AA < | 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 117.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 2,034 | 0 | 0 | 2,034 | 17.38 |
| | TOTAL General Conditions | 1.00 | MO | 2 | 68,439 | 17,046 | 360 | 3,890 | 89,735 | 89735.12 |
| | TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 2 | 68,439 | 17,046 | 360 | 3,890 | 89,735 | 89735.12 |
| | TOTAL CEMETERY, UTILITIES & STRUCTURES | 1.00 | JOB | 2 | 68,439 | 17,046 | 360 | 246,066 | 331,911 | 331911.47 |
| | TOTAL RELOCATIONS | 1.00 | JOB | 32,427 | 3,743,866 | 1,058,680 | 2,658,747 | 2,543,711 | 10,005,003 | 10005003 |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------------|------------|-----------------------------------|----------------------------|---------|---------|---------|----------|---------|------------|-----------|
| 11. LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02. FLOODWALLS | | | | | | | | | | |
| 11.02.02. DRAINAGE | | | | | | | | | | |
| 11.02.02.01. Wall Drain Outlet & Flapgate 18" | | | | | | | | | | |
| USR AA < | 603 XXXX > | 18" | Drain Extension & Flapgate | 59.79 | 3077.50 | 644.71 | 5547.41 | 0.00 | 9269.63 | 9269.63 |
| | | 2.00 | EA | 120 | 6,155 | 1,289 | 11,095 | 0 | 18,539 | 9269.63 |
| TOTAL Wall Drain Outlet & Flapgate 18" | | | | 120 | 6,155 | 1,289 | 11,095 | 0 | 18,539 | 9269.63 |
| TOTAL DRAINAGE | | | | 120 | 6,155 | 1,289 | 11,095 | 0 | 18,539 | 18539.25 |
| 11.02.03. CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01. Low Profile Cofferdam | | | | | | | | | | |
| USR AA < | 637 XXXX > | Jersey Barrier Cofferdam | 0.50 | 26.71 | 4.24 | 14.32 | 0.00 | 45.26 | 45.26 | 45.26 |
| | | | 145.00 | LF | 73 | 3,873 | 614 | 2,076 | 6,563 | 45.26 |
| USR AA < | 637 XXXX > | Remove Cofferdam | 0.25 | 13.35 | 2.12 | 0.00 | 0.00 | 15.48 | 15.48 | 15.48 |
| | | | 145.00 | LF | 36 | 1,936 | 308 | 0 | 2,244 | 15.48 |
| USR AA < | 637 XXXX > | Load & Haul to Disposal Sandbags | 0.08 | 4.60 | 4.32 | 19.52 | 0.00 | 28.44 | 28.44 | 28.44 |
| | | | 11.00 | CY | 1 | 51 | 48 | 215 | 313 | 28.44 |
| TOTAL Low Profile Cofferdam | | | | 110 | 5,860 | 970 | 2,291 | 0 | 9,120 | 62.90 |
| 11.02.03.02. Dewatering Cofferdam | | | | | | | | | | |
| USR AA < | 637 XXXX > | Dewatering & Water Treatment | 11.62 | 456.67 | 21.62 | 624.91 | 0.00 | 1103.20 | 1103.20 | 1103.20 |
| | | | 145.00 | LF | 1,685 | 66,216 | 3,135 | 90,612 | 159,964 | 1103.20 |
| USR AA < | 637 XXXX > | Treatment & Discharge of Water | 0.00 | 0.00 | 0.00 | 0.00 | 1650.00 | 1650.00 | 1650.00 | 1650.00 |
| | | | 243.00 | MG | 0 | 0 | 0 | 400,950 | 400,950 | 1650.00 |
| TOTAL Dewatering Cofferdam | | | | 1,685 | 66,216 | 3,135 | 90,612 | 400,950 | 560,914 | 3868.37 |
| TOTAL CARE & DIVERSION OF WATER | | | | 1,795 | 72,076 | 4,105 | 92,903 | 400,950 | 570,034 | 570033.83 |
| 11.02.05. FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01. Removal of Flood Walls | | | | | | | | | | |
| USR AA < | 202 1072 > | Retaining Wall Remove & Stabilize | 0.00 | 0.00 | 0.00 | 0.00 | 2247.00 | 2247.00 | 2247.00 | 2247.00 |
| | | | 145.00 | LF | 0 | 0 | 0 | 325,815 | 325,815 | 2247.00 |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------------|--------------------------------|---------|-----|---------|--------|---------|----------|---------|------------|-----------|
| TOTAL Removal of Flood Walls | | 145.00 | LF | 0 | 0 | 0 | 0 | 325,815 | 325,815 | 2247.00 |
| 11.02.05.02. Flood Walls | | | | | | | | | | |
| USR AA < | 502 0840 > | 0.16 | | 7.30 | 1.99 | 2.36 | | 0.00 | 11.65 | |
| | Footings Forms | 2880.00 | SF | 452 | 5,722 | 6,799 | | 0 | 33,553 | 11.65 |
| USR ST < | 505 0500 > | 18.00 | TON | 1204.98 | 125.14 | 1534.39 | | 0.00 | 2864.51 | |
| | Footings Reinforcing Steel | 24.61 | TON | 443 | 4,164 | 51,064 | | 0 | 95,330 | 3873.96 |
| USR AA < | 502 0840 > | 0.32 | | 13.36 | 3.79 | 151.08 | | 0.00 | 168.22 | |
| | Footings Concrete | 320.00 | CY | 102 | 1,212 | 48,345 | | 0 | 53,831 | 168.22 |
| USR AA < | 502 0840 > | 0.16 | | 7.30 | 1.99 | 2.36 | | 0.00 | 11.65 | |
| | Wall Forms | 7728.00 | SF | 1,214 | 15,354 | 18,243 | | 0 | 90,035 | 11.65 |
| USR ST < | 505 0500 > | 18.00 | TON | 1204.98 | 125.14 | 1534.39 | | 0.00 | 2864.51 | |
| | Wall Reinforcing Steel | 22.68 | TON | 408 | 3,838 | 47,060 | | 0 | 87,854 | 3873.96 |
| USR AA < | 502 0840 > | 0.32 | | 13.36 | 3.79 | 151.08 | | 0.00 | 168.22 | |
| | Wall Concrete | 293.00 | CY | 94 | 1,110 | 44,266 | | 0 | 49,289 | 168.22 |
| USR ST < | 506 0600 > | 0.25 | | 16.74 | 1.74 | 64.92 | | 0.00 | 83.39 | |
| | Pedestrian Ornamental Handrail | 110.00 | LF | 28 | 259 | 9,657 | | 0 | 12,405 | 112.78 |
| TOTAL Flood Walls | | 3770.00 | SF | 2,741 | 31,659 | 225,434 | | 0 | 422,299 | 112.02 |
| 11.02.05.03. Structure Excavation | | | | | | | | | | |
| USR AA < | 206 0500 > | 0.52 | | 22.27 | 18.28 | 0.00 | | 0.00 | 40.55 | |
| | Structural Excavation | 2299.00 | CY | 1,192 | 42,034 | 0 | | 0 | 93,225 | 40.55 |
| TOTAL Structure Excavation | | 2299.00 | CY | 1,192 | 42,034 | 0 | | 0 | 93,225 | 40.55 |
| 11.02.05.04. Granular Backfill | | | | | | | | | | |
| USR AA < | 207 2004 > | 0.25 | | 10.74 | 8.82 | 24.08 | | 0.00 | 43.63 | |
| | Granular Backfill | 278.00 | CY | 70 | 2,451 | 6,694 | | 0 | 12,129 | 43.63 |
| TOTAL Granular Backfill | | 2244.00 | CY | 70 | 2,451 | 6,694 | | 0 | 12,129 | 5.41 |
| 11.02.05.05. Struct Excav & Dispos Hazardous | | | | | | | | | | |
| USR AA < | 206 0500 > | 0.70 | | 30.06 | 24.68 | 0.00 | | 150.00 | 204.74 | |
| | Floodwall Excavation Hazardous | 203.00 | CY | 142 | 5,011 | 0 | | 30,450 | 41,563 | 204.74 |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|--|--------|-----|---------|---------|----------|----------|----------|------------|-----------|
| TOTAL Struct Excav & Dispos Hazardous | | 203.00 | CY | 142 | 6,102 | 5,011 | 0 | 30,450 | 41,563 | 204.74 |
| 11.02.05.06. Struct Excav & Dispos Non-Haz | | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Non-Haz | | 0.70 | | 30.06 | 24.68 | 0.00 | 0.00 | 35.00 | 89.74 | |
| TOTAL Struct Excav & Dispos Non-Haz | | 203.00 | CY | 142 | 6,102 | 5,011 | 0 | 7,105 | 18,218 | 89.74 |
| 11.02.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01. General Conditions | | | | | | | | | | |
| M USR AA < 629 0100 > 1-Temp Office Trailer 32' X 8' | | 6.00 | MO | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | |
| M USR AA < 629 0100 > 2-Temp Const Stor. Van 16 X 8 | | 12.00 | MO | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | |
| M USR AA < 629 0100 > Toilet Portable Chemical | | 6.00 | MO | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | |
| USR AA < 629 0100 > Office Supply | | 6.00 | MO | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | |
| USR AA < 629 0100 > Schedule Updates | | 6.00 | MO | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | |
| USR AA < 629 0100 > Temp. Utilities Usage | | 6.00 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | |
| USR AA < 629 0100 > Site Debris Clean-Up & Removal | | 1.50 | MO | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | |
| M USR AA < 629 0100 > Field Surveying Service | | 0.90 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | |
| M USR AA < 629 0100 > 2-Flag Person - Traffic Control | | 3.90 | MON | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | | 450.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | |
| M USR AA < 629 0100 > Program Manager | | 120.00 | HRS | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | |

| 11.02. FLOODWALLS | | | | | | | | | | | | | |
|-------------------|-----|----|---|--------|------|---------|----------------------------------|----------|----------|---------|------------|-----------|-----------|
| | | | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 120.00 | HR | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | | | | 0 | | 0 | 2,086 | 2,086 | 17.38 |
| M | USR | AA | < | 629 | 0100 | > | Project Manager | 750.00 | HRS | 0.00 | 95.70 | 0.00 | 95.70 |
| | | | | | | | | 0 | | 71,775 | 0 | 71,775 | 95.70 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 750.00 | HR | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | | | | 0 | | 13,037 | 0 | 13,037 | 17.38 |
| | USR | AA | < | 629 | 0100 | > | Clerk\Secretary | 500.00 | HRS | 0.00 | 38.50 | 0.00 | 38.50 |
| | | | | | | | | 0 | | 19,250 | 0 | 19,250 | 38.50 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 500.00 | HR | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | | | | 0 | | 8,692 | 0 | 8,692 | 17.38 |
| | USR | AA | < | 629 | 0100 | > | Site Super/Engin./Disturb.Coord. | 1000.00 | HRS | 0.00 | 88.00 | 0.00 | 88.00 |
| | | | | | | | | 0 | | 88,000 | 0 | 88,000 | 88.00 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1000.00 | HR | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | | | | 0 | | 17,383 | 0 | 17,383 | 17.38 |
| | USR | AA | < | 629 | 0100 | > | Safety & Health Person | 900.00 | HRS | 0.00 | 71.50 | 0.00 | 71.50 |
| | | | | | | | | 0 | | 64,350 | 0 | 64,350 | 71.50 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 900.00 | HR | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | | | | 0 | | 15,645 | 0 | 15,645 | 17.38 |
| M | USR | AA | < | 629 | 0100 | > | QC Engineers, Includes: | 900.00 | HRS | 0.00 | 82.50 | 0.00 | 82.50 |
| | | | | | | | | 0 | | 74,250 | 0 | 74,250 | 82.50 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 900.00 | HR | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | | | | 0 | | 15,645 | 0 | 15,645 | 17.38 |
| | USR | AA | < | 629 | 0100 | > | QA Engineer | 700.00 | HRS | 0.00 | 79.75 | 0.00 | 79.75 |
| | | | | | | | | 0 | | 55,825 | 0 | 55,825 | 79.75 |
| L | USR | AA | < | 629 | 0100 | > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 700.00 | HR | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | | | | 0 | | 12,168 | 0 | 12,168 | 17.38 |
| | | | | | | | TOTAL General Conditions | 6.00 | MO | 13 | 410,378 | 102,240 | 538,117 |
| | | | | | | | | | | 23,340 | 2,160 | 89686.24 | |
| | | | | | | | TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 13 | 410,378 | 102,240 | 538,117 |
| | | | | | | | | | | 23,340 | 2,160 | 538,117 | |
| | | | | | | | TOTAL FLOODWALLS | 1.00 | JOB | 6,215 | 720,194 | 193,800 | 2,039,938 |
| | | | | | | | | | | 787,660 | 338,285 | 2,039,938 | |
| | | | | | | | TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 6,215 | 720,194 | 193,800 | 2,039,938 |
| | | | | | | | | | | 787,660 | 338,285 | 2,039,938 | |

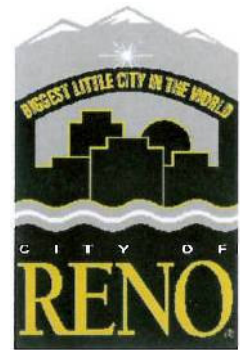
| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|--------|-----|---------|-------|----------|----------|-------|------------|-----------|
| 30. PLANNING, ENGINEERING AND DESIGN | | | | | | | | | |
| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT COOPERATN AGREEMNT (PCA) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.12. PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.18. GENERAL REEVALUATN REPORT (GRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL GENERAL REEVALUATN REPORT (GRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.19. LIMITED REEVALUATN REPORT (LRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LIMITED REEVALUATN REPORT (LRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.20. PROJECT DESING MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT DESING MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.21. FEATURE DESIGN MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL FEATURE DESIGN MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.23. CONSTRUCTION CONTRACT(S) DOCS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION CONTRACT(S) DOCS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.24. VALUE ENGINEERING ANALYSIS DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL VALUE ENGINEERING ANALYSIS DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.25. PROJECT FUNCTIONAL ELEMENT | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT FUNCTIONAL ELEMENT | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.26. PROGRAM & PROJECT MANAGEMT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROGRAM & PROJECT MANAGEMT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PLANNING, ENGINEERING AND DESIGN | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

| 31.12. PROJECT MANAGEMENT PLAN (PMP) | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMENT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|--|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 31. CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.12. PROJECT MANAGEMENT PLAN (PMP) | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 31.23. CONSTRUCTION CONTRACTS | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 31.26. PROGRAM/PROJECT MANAGEMENT DOC | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT MANAGEMENT PLAN (PMP) | | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION CONTRACTS | | 1.00 | JOB | 38,642 | 4,464,060 | 1,252,479 | 2,997,031 | 3,331,371 | 12,044,942 | 12044942 |

No errors detected...

* * * END OF ERROR REPORT * * *

Reno TRAction Project Locally Preferred Plan Lake Street

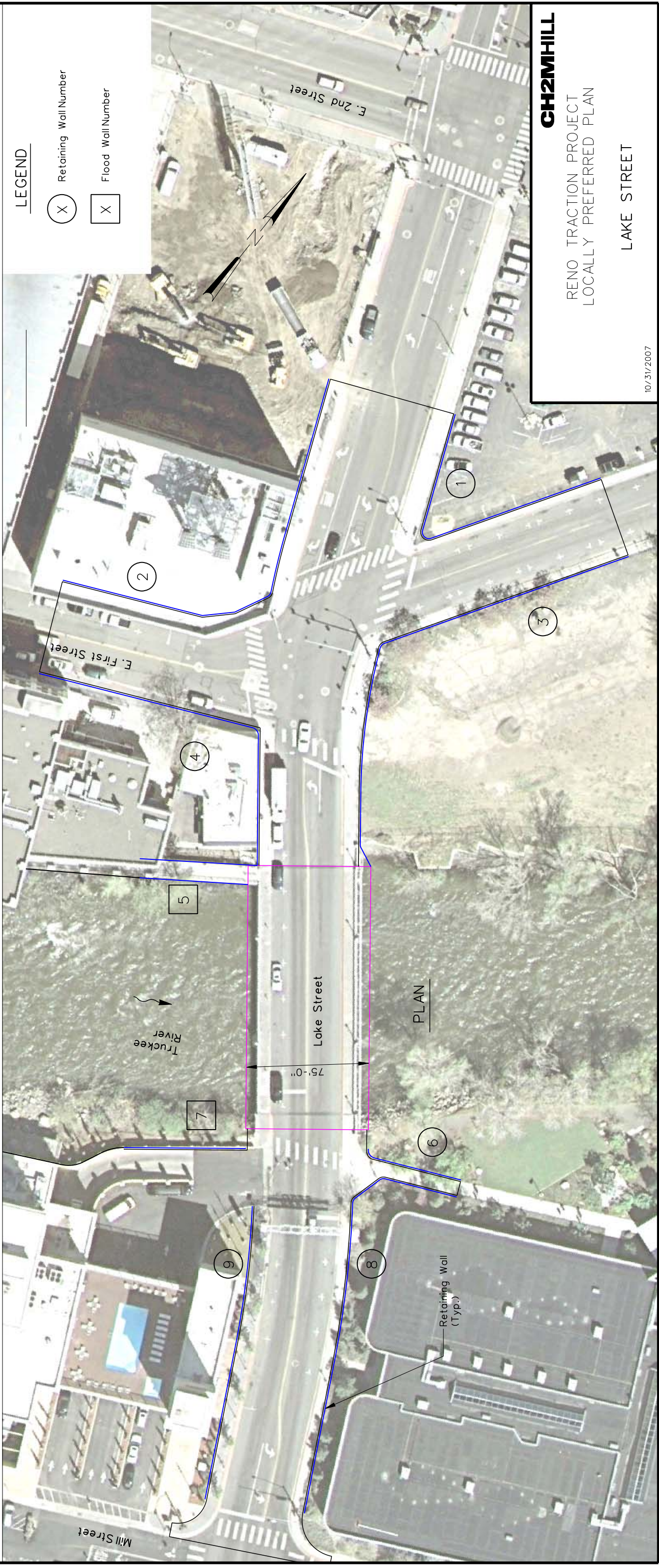
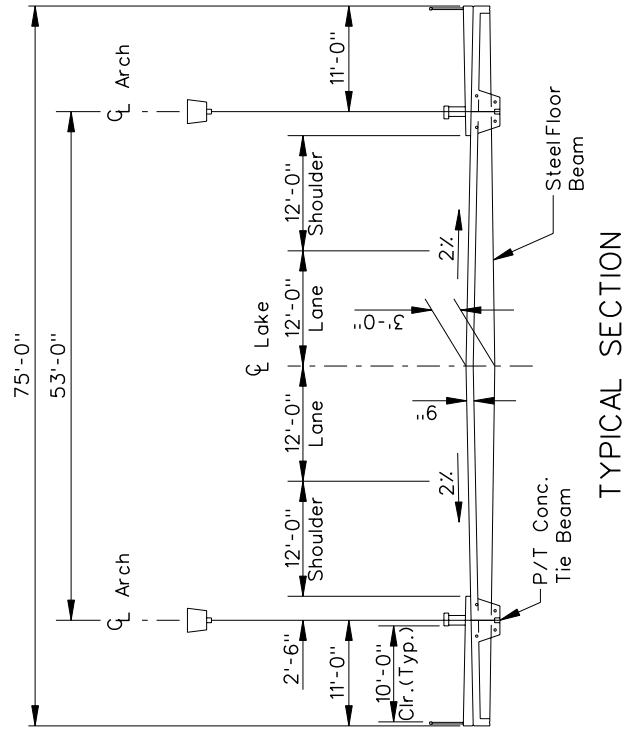
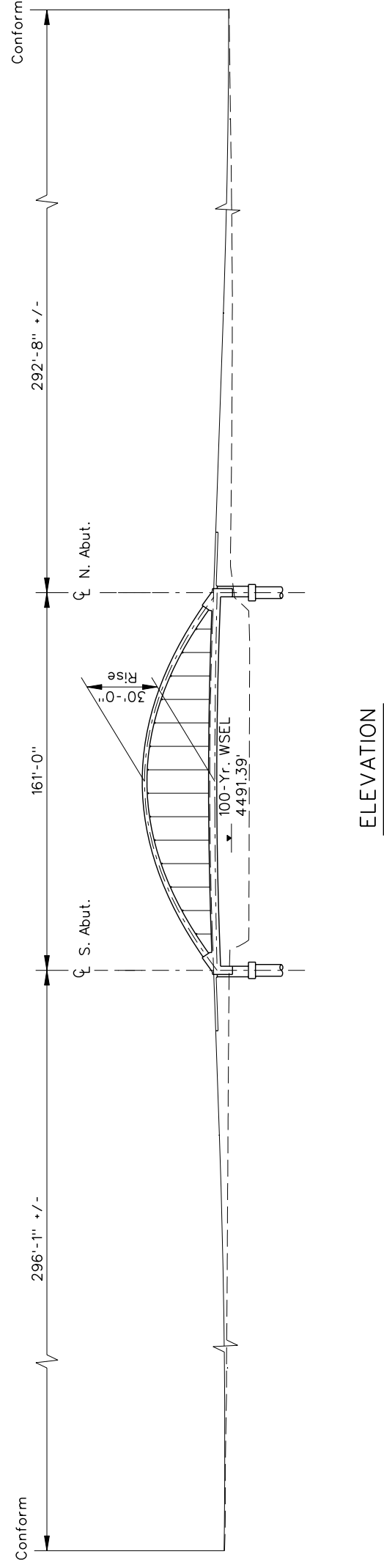


Prepared for
City of Reno

1 East First Street
Reno, NV 89501

October 2007

CH2MHILL
50 West Liberty Street
Suite 205
Reno, NV 89501



CH2MHILL

RENO TRACTION PROJECT
LOCALLY PREFERRED PLAN

LAKE STREET

Lake Street Bridge Summary

Quantities

| Item of Work | Item of Work | Units | Roadway | Flood Walls | Retaining Wall | Bridge | Utilities | Total | Notes |
|-------------------------------------------------------------|--------------|--------|---------|-------------|----------------|---------|-----------|---------|-------------------------------------|
| Urban Clearing | 201-0032 | LS | | | | | | 1 | |
| Relocate Fire Hydrant | 202-0120 | EA | | | | | 2 | 2 | |
| Removal of Retaining Walls | 202-1072 | Lin Ft | | 160 | | | | 160 | |
| Removal of Concrete Pavement | 202-2112 | SY | 15 | | | | | 15 | Assumes 25% of Pedestrian Ramp Area |
| Removal of Bituminous Surface | 202-2128 | SY | 4,073 | | | | | 4,073 | |
| Removal of Curb | 202-2172 | Lin Ft | 1,567 | | | | | 1,567 | |
| Removal of Sidewalk | 202-2188 | SY | 1,732 | | | | | 1,732 | |
| Roadway Embankment | 203-2033 | CY | 3,912 | | | | | 3,912 | |
| Structure Excavation | 206-2000 | CY | | 3,171 | 1,537 | 330 | | 5,037 | |
| Structure Excavation Contaminated Materials (Hazardous) | 206-XXXX | CY | | 280 | 136 | 145 | | 561 | |
| Structure Excavation Contaminated Materials (Non-Hazardous) | 206-XXXX | CY | | 280 | 136 | 145 | | 561 | |
| Granular Backfill | 207-2004 | CY | | 3,105 | 2,790 | 1,464 | | 7,360 | |
| Landscaping | 212-XXXX | LS | | | | | | 1 | |
| Aggregate Base | 302-0500 | Ton | 2,538 | | | | | 2,538 | |
| Plantmix Surfacing (Wet) | 402-6000 | Ton | 1,283 | | | | | 1,283 | |
| Class AA Concrete, Modified (Major) | 502-0840 | CY | | 761 | 913 | 406 | | 2,080 | |
| Class EA Concrete, Modified (Major) | 502-0864 | CY | | | | 843 | | 843 | |
| Prestressing CIP Concrete | 503-0012 | LB | | | | 10,000 | | 10,000 | |
| Reinforcing Steel | 505-0500 | LB | | 115,840 | 83,930 | 348,180 | | 547,950 | |
| Reinforcing Steel (Epoxy Coated) | 505-0502 | LB | | | | 126,905 | | 126,905 | |
| Structural Steel | 506-0000 | LB | | | | 489,278 | | 489,278 | |
| Pedestrian Railing | 506-0600 | Lin Ft | | 160 | 1,360 | 423 | | 1,943 | |
| 2.5-inch Structural Strands (Hanger) | 506-XXXX | LB | | | | 12,378 | | 12,378 | |
| 5-Foot Diameter Drilled Shafts | 508-0596 | Lin Ft | | | | 500 | | 500 | |
| Drainage | 603-XXXX | LS | | | | | | 1 | |
| Relocate Water Manhole | 609-XXXX | EA | | | | | 5 | 5 | |
| Concrete Curb | 613-0756 | Lin Ft | 1,567 | | | | | 1,567 | |
| 4" Concrete Sidewalk | 613-0876 | SY | 1,732 | | | | | 1,732 | |
| Concrete Pedestrian Ramp | 613-0880 | SY | 62 | | | | | 62 | |
| Lighting | 623-XXXX | LS | | | | | | 1 | |
| Reconstruct Signal | 623-XXXX | LS | | | | | | 1 | |
| Relocate Power Line | 623-XXXX | Lin Ft | | | | | 130 | 130 | |
| Traffic Control | 625-XXXX | LS | | | | | | 1 | |
| Mobilization | 628-0004 | LS | | | | | | 1 | |
| River Diversion | 637-XXXX | LS | | | | | | 1 | |
| Treat Contaminated Groundwater | 637-XXXX | LS | | | | | | 1 | |
| Relocate Water Line | 638-XXXX | Lin Ft | | | | | 425 | 425 | |
| Relocate Water Valve | 638-XXXX | EA | | | | | 5 | 5 | |
| Relocate Gas Line | 638-XXXX | Lin Ft | | | | | 65 | 65 | |
| Miscellaneous Items | 999-XXXX | LS | | | | | | 1 | |

Contingency LS 1
Preliminary Design LS 1
Construction Engineering LS 1

LAKE STREET BRIDGE REPLACEMENT
RENO TRACTION PROJECT
Locally Preferred Plan
City of Reno, Nevada
Draft Feasibility Cost Estimate

Designed By: CH2M Hill - Reno, NV 36942
Estimated By: Al Meyer - (303) 887-8645

Prepared By: CH2M Hill, Inc.
Reno, Nevada 36942

Preparation Date: 12/04/06
Effective Date of Pricing: 10/01/06
Est Construction Time: 720 Days

Sales Tax: 7.3%

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Release 1.6c

THIS COST ESTIMATE IS TO BE USED FOR FEASIBILITY STUDY PURPOSES ONLY

The purpose of this cost estimate is to develop feasibility cost values for Locally Preferred Plan for bridge replacements in downtown Reno, Nevada. This feasibility cost estimate includes cost remove and replace the Lake Street Bridge, approach roadways, floodwalls and utility relocations. There are four bridges to be replaced in the Locally Preferred Plan. The bridges to be replaced are listed below:

- Sierra Street Bridge
- Virginia Street Bridge
- Center Street Bridge
- Lake Street Bridge

Flood control features include removal existing floodwall sections adjacent to the proposed bridge abutments and replacement of the floodwall sections with new structures that provide a higher freeboard.

COST ESTIMATE BASIS

The cost estimate is based on "Reno Traction Project" conceptual drawings and quantity takeoff developed by CH2M Hill.

CONSTRUCTION SCHEDULE

The bridge, floodwalls, approach roadways and utility relocations will take approximately 1 to 2 years to construct.

CONSTRUCTION ACCESS

The bridge is located in downtown Reno, Nevada. Construction of the single span bridge will cross the Truckee River requiring long reach capability lifting equipment. The construction conditions to build the bridge and floodwalls in general are tight. The closing the approach roadway to the bridge to vehicular traffic will be required along with traffic alternate routing. Pedestrian traffic will be limited during critical construction activities. Night work will more than likely be required to prevent inconvenience to business and tourist travel and during seasonal events.

The construction activities will supplemental off site laydown areas for the contractors equipment storage, storage and office trailers.

Access for material delivery will be good with paved streets. However, deliveries should be limited to non-peak traffic periods. Storage of material will be very limited at the project site and will require materials be stored off-site.

CONSTRUCTION MEANS & METHODS

Construction means and methods should be standard with the exception of the long reach across the Truckee River to construct the bridge.

ENVIRONMENTAL CONCERNS

A/E experience with construction of the existing Center Street Bridge indicates that contaminated soil and ground water exist on the northside abutment and extends slightly downward angle from the abutment to the bridge center pier. The contractor constructing the Center Street Bridge was issued a change order to remove and dispose of the contaminated soil and to pump, treat and dispose to the POTW contaminated groundwater. This estimate assumes that 15% of all excavated materials are contaminated with the quantity split 50%-50% between Hazardous material and non-hazardous material.

This estimate includes normal environmental protection requirements in addition to the above.

LABOR

Required craft labor is available locally and within a 50 to 60-mile radius. No per diems should be required.

Labor rates used to develop this estimate are based Davis Bacon for Washoe County, Nevada, General Decision Number: NV20070005 26-Oct-07.

MATERIAL PRICES

Material quotes from the Reno area were obtained when possible. Historical costs were used where deemed appropriate, estimator experience and from cost data catalogs.

The cost estimate assumes that borrow sources and disposal Areas require a 15 mile haul for transportation. Disposal fees were provided by Lockwood Regional Landfill (755) 342-0401.

CONSTRUCTION EQUIPMENT

Required construction equipment is available locally and within a 50 to 60-mile radius.

COST ESTIMATE MARKUP STRUCTURE

Owner Cost are excluded from the cost estimate.

Contractor field overhead cost are included in account code 99 Associated General Items for 02 Relocations and 11 Levees and Floodwalls accounts and is therefore not a distributed cost.

Estimate/Design Contingency is included in the prime contractor markup as a distributed cost at 25%.

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No Backup Reports...

Locally Preferred Plan Feasibility Study

** PROJECT OWNER SUMMARY - CONTRACT (Rounded to 100's) **

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|--------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 15,503,300 | 0 | 0 | 0 | 0 | 0 | 15,503,300 | 15503279 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 3,407,800 | 0 | 0 | 0 | 0 | 0 | 3,407,800 | 3407835 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| TOTAL LAKE STREET BRIDGE REPLACEMENT | 1.00 | JOB | 18,911,100 | 0 | 0 | 0 | 0 | 0 | 18,911,100 | 18911114 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIQH | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 1,179,500 | 0 | 0 | 0 | 0 | 0 | 1,179,500 | 1179519 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 1,179,500 | 0 | 0 | 0 | 0 | 0 | 1,179,500 | 1179519 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 8.00 | EA | 11,600 | 0 | 0 | 0 | 0 | 0 | 11,600 | 1452.85 |
| 02.01.03.02 Remove Pilasters | 8.00 | EA | 14,900 | 0 | 0 | 0 | 0 | 0 | 14,900 | 1862.23 |
| 02.01.03.03 Remove Bridge Railing | 300.00 | LF | 37,200 | 0 | 0 | 0 | 0 | 0 | 37,200 | 124.15 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 600.00 | LF | 1,300 | 0 | 0 | 0 | 0 | 0 | 1,300 | 2.24 |
| 02.01.03.05 Remove Asphalt Pavement | 2000.00 | SY | 7,100 | 0 | 0 | 0 | 0 | 0 | 7,100 | 3.55 |
| 02.01.03.06 Remove Sidewalk | 269.00 | SY | 6,800 | 0 | 0 | 0 | 0 | 0 | 6,800 | 25.33 |
| 02.01.03.07 Concrete Deck Removal | 220.00 | CY | 41,700 | 0 | 0 | 0 | 0 | 0 | 41,700 | 189.73 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 109,600 | 0 | 0 | 0 | 0 | 0 | 109,600 | 2740.02 |
| 02.01.03.10 Structure Excavation | 406.00 | CY | 25,400 | 0 | 0 | 0 | 0 | 0 | 25,400 | 62.49 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 50,200 | 0 | 0 | 0 | 0 | 0 | 50,200 | 25089.29 |
| 02.01.03.12 Concrete Pier Removal | 2.00 | EA | 55,400 | 0 | 0 | 0 | 0 | 0 | 55,400 | 27715.39 |
| 02.01.03.13 Granular Backfill | 445.00 | CY | 36,700 | 0 | 0 | 0 | 0 | 0 | 36,700 | 82.56 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 398,100 | 0 | 0 | 0 | 0 | 0 | 398,100 | 398091.34 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 500.00 | LF | 1,501,000 | 0 | 0 | 0 | 0 | 0 | 1,501,000 | 3002.08 |
| 02.01.05.02 Structure Excavation | 1649.00 | CY | 97,600 | 0 | 0 | 0 | 0 | 0 | 97,600 | 59.19 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 145.00 | CY | 43,300 | 0 | 0 | 0 | 0 | 0 | 43,300 | 298.85 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 145.00 | CY | 19,000 | 0 | 0 | 0 | 0 | 0 | 19,000 | 130.99 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 22,900 | 0 | 0 | 0 | 0 | 0 | 22,900 | 91.64 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 1,411,700 | 0 | 0 | 0 | 0 | 0 | 1,411,700 | 5646.68 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 146,500 | 0 | 0 | 0 | 0 | 0 | 146,500 | 796.34 |
| 02.01.05.08 Granular Fill | 1464.00 | CY | 78,000 | 0 | 0 | 0 | 0 | 0 | 78,000 | 53.29 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 3,320,100 | 0 | 0 | 0 | 0 | 0 | 3,320,100 | 1660042 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |
| 02.01.06.01 Concrete Abutment Wall | 222.00 | CY | 222,000 | 0 | 0 | 0 | 0 | 0 | 222,000 | 1000.20 |

| | QUANTITY | UOM | CONTRACT COST | DBS CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 222,000 | 0 | 0 | 0 | 0 | 0 | 222,000 | 111022.60 |
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.07.01 Bridge Superstructure | 12075.00 | SF | 2,022,700 | 0 | 0 | 0 | 0 | 0 | 2,022,700 | 167.51 |
| 02.01.07.02 Bridge Deck | 12075.00 | SF | 1,270,800 | 0 | 0 | 0 | 0 | 0 | 1,270,800 | 105.24 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | 12075.00 | SF | 3,293,400 | 0 | 0 | 0 | 0 | 0 | 3,293,400 | 272.75 |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.08.01 Bridge General Items | 8370.00 | SF | 344,900 | 0 | 0 | 0 | 0 | 0 | 344,900 | 41.20 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 344,900 | 0 | 0 | 0 | 0 | 0 | 344,900 | 344850.16 |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.13.01 Sitework | 1.00 | EA | 18,800 | 0 | 0 | 0 | 0 | 0 | 18,800 | 18839.94 |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 18,800 | 0 | 0 | 0 | 0 | 0 | 18,800 | 18839.94 |
| 02.01.19 CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | | |
| 02.01.19.01 Roadway Backfill | 3912.00 | CY | 130,300 | 0 | 0 | 0 | 0 | 0 | 130,300 | 33.31 |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 130,300 | 0 | 0 | 0 | 0 | 0 | 130,300 | 130320.16 |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39.01 Removal of Concrete Pavement | 4073.00 | SY | 92,000 | 0 | 0 | 0 | 0 | 0 | 92,000 | 22.59 |
| 02.01.39.02 Removal of Curb | 1567.00 | LF | 9,300 | 0 | 0 | 0 | 0 | 0 | 9,300 | 5.92 |
| 02.01.39.03 Removal of Sidewalk | 1732.00 | SY | 18,700 | 0 | 0 | 0 | 0 | 0 | 18,700 | 10.78 |
| 02.01.39.04 Retaining Walls | 10285.00 | SF | 1,416,200 | 0 | 0 | 0 | 0 | 0 | 1,416,200 | 137.69 |
| 02.01.39.05 Structure Excavation | 1537.00 | CY | 91,000 | 0 | 0 | 0 | 0 | 0 | 91,000 | 59.19 |
| 02.01.39.06 Granular Backfill | 2790.00 | CY | 17,700 | 0 | 0 | 0 | 0 | 0 | 17,700 | 6.35 |
| 02.01.39.07 Struct Excav & Dispos Hazardous | 136.00 | CY | 40,600 | 0 | 0 | 0 | 0 | 0 | 40,600 | 298.85 |
| 02.01.39.08 Struct Excav & Dispos Non-Haz | 136.00 | CY | 17,800 | 0 | 0 | 0 | 0 | 0 | 17,800 | 130.99 |
| 02.01.39.09 Asphalt Pavement | 4073.00 | SY | 344,600 | 0 | 0 | 0 | 0 | 0 | 344,600 | 84.61 |
| 02.01.39.10 Sidewalk | 1732.00 | SY | 88,700 | 0 | 0 | 0 | 0 | 0 | 88,700 | 51.19 |
| 02.01.39.11 Concrete Pedestrian Ramp | 62.00 | SY | 25,400 | 0 | 0 | 0 | 0 | 0 | 25,400 | 409.15 |
| 02.01.39.12 Bridge Approach Slab | 134.00 | CY | 93,900 | 0 | 0 | 0 | 0 | 0 | 93,900 | 700.58 |
| TOTAL APPROACH ROADWAY | 1.00 | JOB | 2,255,800 | 0 | 0 | 0 | 0 | 0 | 2,255,800 | 2255805 |
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |

| | QUANTITY | UOM | CONTRACT COST | DBS CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02.01.99.01 | 28.00 | MO | 3,665,500 | 0 | 0 | 0 | 0 | 0 | 3,665,500 | 130910.38 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 1.00 | JOB | | 3,665,500 | 0 | 0 | 0 | 0 | 0 | 3,665,500 | 3665491 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| 1.00 | JOB | | 14,828,500 | 0 | 0 | 0 | 0 | 0 | 14,828,500 | 14828468 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 | 1.00 | EA | 478,400 | 0 | 0 | 0 | 0 | 0 | 478,400 | 478354.36 |
| TOTAL UTILITIES | | | | | | | | | | |
| 1.00 | JOB | | 478,400 | 0 | 0 | 0 | 0 | 0 | 478,400 | 478354.36 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 | 1.50 | MO | 196,500 | 0 | 0 | 0 | 0 | 0 | 196,500 | 130971.31 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 1.00 | JOB | | 196,500 | 0 | 0 | 0 | 0 | 0 | 196,500 | 196456.97 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 1.00 | JOB | | 674,800 | 0 | 0 | 0 | 0 | 0 | 674,800 | 674811.33 |
| TOTAL RELOCATIONS | | | | | | | | | | |
| 1.00 | JOB | | 15,503,300 | 0 | 0 | 0 | 0 | 0 | 15,503,300 | 15503279 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 | 2.00 | EA | 27,100 | 0 | 0 | 0 | 0 | 0 | 27,100 | 13530.13 |
| TOTAL DRAINAGE | | | | | | | | | | |
| 1.00 | JOB | | 27,100 | 0 | 0 | 0 | 0 | 0 | 27,100 | 27060.26 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 Low Profile Cofferdam | | | | | | | | | | |
| 160.00 | LF | | 14,700 | 0 | 0 | 0 | 0 | 0 | 14,700 | 91.77 |
| 11.02.03.02 Dewatering Cofferdam | | | | | | | | | | |
| 160.00 | LF | | 903,100 | 0 | 0 | 0 | 0 | 0 | 903,100 | 5644.28 |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | | |
| 1.00 | JOB | | 917,800 | 0 | 0 | 0 | 0 | 0 | 917,800 | 917767.23 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 Removal of Flood Walls | | | | | | | | | | |
| 160.00 | LF | | 524,800 | 0 | 0 | 0 | 0 | 0 | 524,800 | 3279.77 |
| 11.02.05.02 Flood Walls | | | | | | | | | | |
| 4640.00 | SF | | 761,600 | 0 | 0 | 0 | 0 | 0 | 761,600 | 164.13 |
| 11.02.05.03 Structure Excavation | | | | | | | | | | |
| 3171.00 | CY | | 187,700 | 0 | 0 | 0 | 0 | 0 | 187,700 | 59.19 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|-------------|--------------------------------------|---------|---------------|------------|----------|----------|----------|------|------------|-----------|
| 11.02.05.04 | Granular Backfill | 3105.00 | CY | 17,700 | 0 | 0 | 0 | 0 | 17,700 | 5.70 |
| 11.02.05.05 | Struct Excav & Dispos Hazardous | 280.00 | CY | 83,700 | 0 | 0 | 0 | 0 | 83,700 | 298.85 |
| 11.02.05.06 | Struct Excav & Dispos Non-Haz | 280.00 | CY | 36,700 | 0 | 0 | 0 | 0 | 36,700 | 130.99 |
| | TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 1,612,100 | 0 | 0 | 0 | 0 | 1,612,100 | 1612082 |
| 11.02.99 | ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 11.02.99.01 | General Conditions | 6.50 | MO | 850,900 | 0 | 0 | 0 | 0 | 850,900 | 130911.51 |
| | TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 850,900 | 0 | 0 | 0 | 0 | 850,900 | 850924.80 |
| | TOTAL FLOODWALLS | 1.00 | JOB | 3,407,800 | 0 | 0 | 0 | 0 | 3,407,800 | 3407835 |
| | TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 3,407,800 | 0 | 0 | 0 | 0 | 3,407,800 | 3407835 |
| 30 | PLANNING, ENGINEERING AND DESIGN | | | | | | | | | |
| 30.26 | PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | |
| 31 | CONSTRUCTION MANAGEMENT | | | | | | | | | |
| 31.26 | PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | |
| | TOTAL LAKE STREET BRIDGE REPLACEMENT | 1.00 | JOB | 18,911,100 | 0 | 0 | 0 | 0 | 18,911,100 | 18911114 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|--------------------------------------|----------|-----|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 10,621,400 | 0 | 637,300 | 900,700 | 243,200 | 3,100,700 | 15,503,300 | 15503279 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 2,334,700 | 0 | 140,100 | 198,000 | 53,500 | 681,600 | 3,407,800 | 3407835 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| TOTAL LAKE STREET BRIDGE REPLACEMENT | 1.00 | JOB | 12,956,200 | 0 | 777,400 | 1,098,700 | 296,600 | 3,782,200 | 18,911,100 | 18911114 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|--------------------------------------|---------------------------------|---------|--------------|-----------|----------|---------|--------|---------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| 02.01.01 | MOB, DEMOB & PREP WORK | | | | | | | | | |
| 02.01.01.01 | Mob/Demob & Prep Work | 1.00 | JOB | 808,100 | 0 | 48,500 | 18,500 | 235,900 | 1,179,500 | 1179519 |
| | TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 808,100 | 0 | 48,500 | 18,500 | 235,900 | 1,179,500 | 1179519 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | | |
| 02.01.03.01 | Remove Light Fixture | 8.00 | EA | 8,000 | 0 | 500 | 200 | 2,300 | 11,600 | 1452.85 |
| 02.01.03.02 | Remove Pilasters | 8.00 | EA | 10,200 | 0 | 600 | 200 | 3,000 | 14,900 | 1862.23 |
| 02.01.03.03 | Remove Bridge Railing | 300.00 | LF | 25,500 | 0 | 1,500 | 600 | 7,400 | 37,200 | 124.15 |
| 02.01.03.04 | Saw Cut Asphalt Pavement | 600.00 | LF | 900 | 0 | 100 | 0 | 300 | 1,300 | 2.24 |
| 02.01.03.05 | Remove Asphalt Pavement | 2000.00 | SY | 4,900 | 0 | 300 | 100 | 1,400 | 7,100 | 3.55 |
| 02.01.03.06 | Remove Sidewalk | 269.00 | SY | 4,700 | 0 | 300 | 100 | 1,400 | 6,800 | 25.33 |
| 02.01.03.07 | Concrete Deck Removal | 220.00 | CY | 28,600 | 0 | 1,700 | 700 | 8,300 | 41,700 | 189.73 |
| 02.01.03.08 | Bridge Bearings Removal | 40.00 | EA | 75,100 | 0 | 4,500 | 1,700 | 21,900 | 109,600 | 2740.02 |
| 02.01.03.10 | Structure Excavation | 406.00 | CY | 17,400 | 0 | 1,000 | 400 | 5,100 | 25,400 | 62.49 |
| 02.01.03.11 | Concrete Abutment Removal | 2.00 | EA | 34,400 | 0 | 2,100 | 800 | 10,000 | 50,200 | 25089.29 |
| 02.01.03.12 | Concrete Pier Removal | 2.00 | EA | 38,000 | 0 | 2,300 | 900 | 11,100 | 55,400 | 27715.39 |
| 02.01.03.13 | Granular Backfill | 445.00 | CY | 25,200 | 0 | 1,500 | 600 | 7,300 | 36,700 | 82.56 |
| | TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 272,700 | 0 | 16,400 | 6,200 | 79,600 | 398,100 | 398091.34 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | | |
| 02.01.05.01 | Abutment Drilled Shaft | 500.00 | LF | 1,028,400 | 0 | 61,700 | 23,500 | 300,200 | 1,501,000 | 3002.08 |
| 02.01.05.02 | Structure Excavation | 1649.00 | CY | 66,900 | 0 | 4,000 | 1,500 | 19,500 | 97,600 | 59.19 |
| 02.01.05.03 | Struct Excav & Dispos Hazardous | 145.00 | CY | 29,700 | 0 | 1,800 | 700 | 8,700 | 43,300 | 298.85 |
| 02.01.05.04 | Struct Excav & Dispos Non-Haz | 145.00 | CY | 13,000 | 0 | 800 | 300 | 3,800 | 19,000 | 130.99 |
| 02.01.05.05 | Low Profile Cofferdam | 250.00 | LF | 15,700 | 0 | 900 | 400 | 4,600 | 22,900 | 91.64 |
| 02.01.05.06 | Dewatering Cofferdam | 250.00 | LF | 967,100 | 0 | 58,000 | 22,100 | 282,300 | 1,411,700 | 5646.68 |
| 02.01.05.07 | Abutment Footing Concrete | 184.00 | CY | 100,400 | 0 | 6,000 | 2,300 | 29,300 | 146,500 | 796.34 |
| 02.01.05.08 | Granular Fill | 1464.00 | CY | 53,400 | 0 | 3,200 | 1,200 | 15,600 | 78,000 | 53.29 |
| | TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 2,274,600 | 0 | 136,500 | 52,100 | 664,000 | 3,320,100 | 1660042 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |
| 02.01.06.01 | Concrete Abutment Wall | 222.00 | CY | 152,100 | 0 | 9,100 | 3,500 | 44,400 | 222,000 | 1000.20 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|--------------|----------|----------|---------|--------|---------|------------|-----------|
| TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 152,100 | 0 | 9,100 | 12,900 | 3,500 | 44,400 | 222,000 | 111022.60 |
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.07.01 Bridge Superstructure | 12075.00 | SF | 1,385,700 | 0 | 83,100 | 117,500 | 31,700 | 404,500 | 2,022,700 | 167.51 |
| 02.01.07.02 Bridge Deck | 12075.00 | SF | 870,600 | 0 | 52,200 | 73,800 | 19,900 | 254,200 | 1,270,800 | 105.24 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | 12075.00 | SF | 2,256,400 | 0 | 135,400 | 191,300 | 51,700 | 658,700 | 3,293,400 | 272.75 |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | | |
| 02.01.08.01 Bridge General Items | 8370.00 | SF | 236,300 | 0 | 14,200 | 20,000 | 5,400 | 69,000 | 344,900 | 41.20 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 236,300 | 0 | 14,200 | 20,000 | 5,400 | 69,000 | 344,900 | 344850.16 |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | | |
| 02.01.13.01 Sitework | 1.00 | EA | 12,900 | 0 | 800 | 1,100 | 300 | 3,800 | 18,800 | 18839.94 |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 12,900 | 0 | 800 | 1,100 | 300 | 3,800 | 18,800 | 18839.94 |
| 02.01.19 CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | | |
| 02.01.19.01 Roadway Backfill | 3912.00 | CY | 89,300 | 0 | 5,400 | 7,600 | 2,000 | 26,100 | 130,300 | 33.31 |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 89,300 | 0 | 5,400 | 7,600 | 2,000 | 26,100 | 130,300 | 130320.16 |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | | |
| 02.01.39.01 Removal of Concrete Pavement | 4073.00 | SY | 63,000 | 0 | 3,800 | 5,300 | 1,400 | 18,400 | 92,000 | 22.59 |
| 02.01.39.02 Removal of Curb | 1567.00 | LF | 6,400 | 0 | 400 | 500 | 100 | 1,900 | 9,300 | 5.92 |
| 02.01.39.03 Removal of Sidewalk | 1732.00 | SY | 12,800 | 0 | 800 | 1,100 | 300 | 3,700 | 18,700 | 10.78 |
| 02.01.39.04 Retaining Walls | 10285.00 | SF | 970,200 | 0 | 58,200 | 82,300 | 22,200 | 283,200 | 1,416,200 | 137.69 |
| 02.01.39.05 Structure Excavation | 1537.00 | CY | 62,300 | 0 | 3,700 | 5,300 | 1,400 | 18,200 | 91,000 | 59.19 |
| 02.01.39.06 Granular Backfill | 2790.00 | CY | 12,100 | 0 | 700 | 1,000 | 300 | 3,500 | 17,700 | 6.35 |
| 02.01.39.07 Struct Excav & Dispos Hazardous | 136.00 | CY | 27,800 | 0 | 1,700 | 2,400 | 600 | 8,100 | 40,600 | 298.85 |
| 02.01.39.08 Struct Excav & Dispos Non-Haz | 136.00 | CY | 12,200 | 0 | 700 | 1,000 | 300 | 3,600 | 17,800 | 130.99 |
| 02.01.39.09 Asphalt Pavement | 4073.00 | SY | 236,100 | 0 | 14,200 | 20,000 | 5,400 | 68,900 | 344,600 | 84.61 |
| 02.01.39.10 Sidewalk | 1732.00 | SY | 60,700 | 0 | 3,600 | 5,200 | 1,400 | 17,700 | 88,700 | 51.19 |
| 02.01.39.11 Concrete Pedestrian Ramp | 62.00 | SY | 17,400 | 0 | 1,000 | 1,500 | 400 | 5,100 | 25,400 | 409.15 |
| 02.01.39.12 Bridge Approach Slab | 134.00 | CY | 64,300 | 0 | 3,900 | 5,500 | 1,500 | 18,800 | 93,900 | 700.58 |
| TOTAL APPROACH ROADWAY | 1.00 | JOB | 1,545,500 | 0 | 92,700 | 131,100 | 35,400 | 451,200 | 2,255,800 | 2255805 |
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|--------------|----------|----------|---------|---------|-----------|------------|-----------|
| 02.01.99.01 | 28.00 | MO | 2,511,300 | 0 | 150,700 | 213,000 | 57,500 | 733,100 | 3,665,500 | 130910.38 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 2,511,300 | 0 | 150,700 | 213,000 | 57,500 | 733,100 | 3,665,500 | 3665491 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
| | 1.00 | JOB | 10,159,100 | 0 | 609,500 | 861,500 | 232,600 | 2,965,700 | 14,828,500 | 14828468 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 | 1.00 | EA | 327,700 | 0 | 19,700 | 27,800 | 7,500 | 95,700 | 478,400 | 478354.36 |
| TOTAL UTILITIES | | | | | | | | | | |
| | 1.00 | JOB | 327,700 | 0 | 19,700 | 27,800 | 7,500 | 95,700 | 478,400 | 478354.36 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 | 1.50 | MO | 134,600 | 0 | 8,100 | 11,400 | 3,100 | 39,300 | 196,500 | 130971.31 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 134,600 | 0 | 8,100 | 11,400 | 3,100 | 39,300 | 196,500 | 196456.97 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| | 1.00 | JOB | 462,300 | 0 | 27,700 | 39,200 | 10,600 | 135,000 | 674,800 | 674811.33 |
| TOTAL RELOCATIONS | | | | | | | | | | |
| | 1.00 | JOB | 10,621,400 | 0 | 637,300 | 900,700 | 243,200 | 3,100,700 | 15,503,300 | 15503279 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 | 2.00 | EA | 18,500 | 0 | 1,100 | 1,600 | 400 | 5,400 | 27,100 | 13530.13 |
| TOTAL DRAINAGE | | | | | | | | | | |
| | 1.00 | JOB | 18,500 | 0 | 1,100 | 1,600 | 400 | 5,400 | 27,100 | 27060.26 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 | 160.00 | LF | 10,100 | 0 | 600 | 900 | 200 | 2,900 | 14,700 | 91.77 |
| 11.02.03.02 | 160.00 | LF | 618,700 | 0 | 37,100 | 52,500 | 14,200 | 180,600 | 903,100 | 5644.28 |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | | |
| | 1.00 | JOB | 628,800 | 0 | 37,700 | 53,300 | 14,400 | 183,600 | 917,800 | 917767.23 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 | 160.00 | LF | 359,500 | 0 | 21,600 | 30,500 | 8,200 | 105,000 | 524,800 | 3279.77 |
| 11.02.05.02 | 4640.00 | SF | 521,800 | 0 | 31,300 | 44,200 | 11,900 | 152,300 | 761,600 | 164.13 |
| 11.02.05.03 | 3171.00 | CY | 128,600 | 0 | 7,700 | 10,900 | 2,900 | 37,500 | 187,700 | 59.19 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------|----------|-----|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 11.02.05.04 | 3105.00 | CY | 12,100 | 0 | 700 | 1,000 | 300 | 3,500 | 17,700 | 5.70 |
| 11.02.05.05 | 280.00 | CY | 57,300 | 0 | 3,400 | 4,900 | 1,300 | 16,700 | 83,700 | 298.85 |
| 11.02.05.06 | 280.00 | CY | 25,100 | 0 | 1,500 | 2,100 | 600 | 7,300 | 36,700 | 130.99 |
| TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 1,104,500 | 0 | 66,300 | 93,700 | 25,300 | 322,400 | 1,612,100 | 1612082 |
| 11.02.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01 | 6.50 | MO | 583,000 | 0 | 35,000 | 49,400 | 13,300 | 170,200 | 850,900 | 130911.51 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 583,000 | 0 | 35,000 | 49,400 | 13,300 | 170,200 | 850,900 | 850924.80 |
| TOTAL FLOODWALLS | 1.00 | JOB | 2,334,700 | 0 | 140,100 | 198,000 | 53,500 | 681,600 | 3,407,800 | 3407835 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 2,334,700 | 0 | 140,100 | 198,000 | 53,500 | 681,600 | 3,407,800 | 3407835 |
| 30 PLANNING, ENGINEERING AND DESIGN | | | | | | | | | | |
| 30.26 PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | | |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.26 PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | | |
| TOTAL LAKE STREET BRIDGE REPLACEMENT | 1.00 | JOB | 12,956,200 | 0 | 777,400 | 1,098,700 | 296,600 | 3,782,200 | 18,911,100 | 18911114 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 34,100 | 3,957,900 | 1,089,500 | 2,926,800 | 2,647,300 | 10,621,400 | 10621449 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 7,600 | 824,300 | 229,800 | 401,800 | 878,800 | 2,334,700 | 2334741 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | |
| TOTAL LAKE STREET BRIDGE REPLACEMENT | 1.00 | JOB | 41,700 | 4,782,200 | 1,319,300 | 3,328,600 | 3,526,100 | 12,956,200 | 12956190 |
| HOME OFFICE OVERHEAD (G & A) | 6.00 | % | | | | | | 777,400 | |
| SUBTOTAL | | | | | | | | 13,733,600 | |
| PROFIT | 8.00 | % | | | | | | 1,098,700 | |
| SUBTOTAL | | | | | | | | 14,832,200 | |
| BOND | 2.00 | % | | | | | | 296,600 | |
| SUBTOTAL | | | | | | | | 15,128,900 | |
| ESTIMATE/DESIGN CONTINGENCY | 25.00 | % | | | | | | 3,782,200 | |
| TOTAL INCL INDIRECTS | | | | | | | | 18,911,100 | |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------|---------|----------|----------|-----------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | |
| 02.01 ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
| 02.01.01 MOB, DEMOB & PREP WORK | | | | | | | | | |
| 02.01.01.01 Mob/Demob & Prep Work | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |
| 02.01.03 DEMOLITION/BRIDGE REMOVAL | | | | | | | | | |
| 02.01.03.01 Remove Light Fixture | 8.00 | EA | 100 | 5,100 | 2,800 | 0 | 0 | 8,000 | 995.36 |
| 02.01.03.02 Remove Pilasters | 8.00 | EA | 100 | 5,800 | 4,400 | 0 | 0 | 10,200 | 1275.83 |
| 02.01.03.03 Remove Bridge Railing | 300.00 | LF | 300 | 14,400 | 11,100 | 0 | 0 | 25,500 | 85.06 |
| 02.01.03.04 Saw Cut Asphalt Pavement | 600.00 | LF | 0 | 700 | 200 | 0 | 0 | 900 | 1.53 |
| 02.01.03.05 Remove Asphalt Pavement | 2000.00 | SY | 0 | 2,300 | 1,300 | 0 | 1,300 | 4,900 | 2.43 |
| 02.01.03.06 Remove Sidewalk | 269.00 | SY | 100 | 2,600 | 1,500 | 0 | 600 | 4,700 | 17.36 |
| 02.01.03.07 Concrete Deck Removal | 220.00 | CY | 200 | 12,800 | 13,100 | 0 | 2,800 | 28,600 | 129.99 |
| 02.01.03.08 Bridge Bearings Removal | 40.00 | EA | 700 | 37,100 | 38,000 | 0 | 0 | 75,100 | 1877.22 |
| 02.01.03.10 Structure Excavation | 406.00 | CY | 200 | 9,500 | 7,800 | 0 | 0 | 17,400 | 42.81 |
| 02.01.03.11 Concrete Abutment Removal | 2.00 | EA | 300 | 16,100 | 15,300 | 0 | 3,000 | 34,400 | 17188.92 |
| 02.01.03.12 Concrete Pier Removal | 2.00 | EA | 400 | 17,900 | 17,000 | 0 | 3,000 | 38,000 | 18988.09 |
| 02.01.03.13 Granular Backfill | 445.00 | CY | 100 | 6,200 | 5,100 | 14,000 | 0 | 25,200 | 56.57 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 2,600 | 130,500 | 117,500 | 14,000 | 10,700 | 272,700 | 272736.29 |
| 02.01.05 BRIDGES, FOUNDATIONS | | | | | | | | | |
| 02.01.05.01 Abutment Drilled Shaft | 500.00 | LF | 2,600 | 236,900 | 24,600 | 301,700 | 465,100 | 1,028,400 | 2056.75 |
| 02.01.05.02 Structure Excavation | 1649.00 | CY | 900 | 36,700 | 30,100 | 0 | 0 | 66,900 | 40.55 |
| 02.01.05.03 Struct Excav & Dispos Hazardous | 145.00 | CY | 100 | 4,400 | 3,600 | 0 | 21,800 | 29,700 | 204.74 |
| 02.01.05.04 Struct Excav & Dispos Non-Haz | 145.00 | CY | 100 | 4,400 | 3,600 | 0 | 5,100 | 13,000 | 89.74 |
| 02.01.05.05 Low Profile Cofferdam | 250.00 | LF | 200 | 10,100 | 1,700 | 3,900 | 0 | 15,700 | 62.79 |
| 02.01.05.06 Dewatering Cofferdam | 250.00 | LF | 2,900 | 114,200 | 5,400 | 156,200 | 691,400 | 967,100 | 3868.60 |
| 02.01.05.07 Abutment Footing Concrete | 184.00 | CY | 500 | 35,000 | 5,800 | 59,700 | 0 | 100,400 | 545.58 |
| 02.01.05.08 Granular Fill | 1464.00 | CY | 400 | 16,700 | 7,400 | 29,400 | 0 | 53,400 | 36.51 |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 7,700 | 458,300 | 82,200 | 550,900 | 1,183,300 | 2,274,600 | 1137311 |
| 02.01.06 BRIDGES, ABUTMENTS & PIERS | | | | | | | | | |
| 02.01.06.01 Concrete Abutment Wall | 222.00 | CY | 1,400 | 71,800 | 16,900 | 63,400 | 0 | 152,100 | 685.25 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------------|----------|-----|---------|---------|---------|-----------|---------|------------|-----------|
| TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 1,400 | 71,800 | 16,900 | 63,400 | 0 | 152,100 | 76062.68 |
| 02.01.07 BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | |
| 02.01.07.01 Bridge Superstructure | 12075.00 | SF | 4,200 | 274,100 | 85,000 | 1,026,600 | 0 | 1,385,700 | 114.76 |
| 02.01.07.02 Bridge Deck | 12075.00 | SF | 8,000 | 417,500 | 96,900 | 356,200 | 0 | 870,600 | 72.10 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | 12075.00 | SF | 12,200 | 691,600 | 181,900 | 1,382,900 | 0 | 2,256,400 | 186.86 |
| 02.01.08 BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | |
| 02.01.08.01 Bridge General Items | 8370.00 | SF | 400 | 25,300 | 10,000 | 40,600 | 160,400 | 236,300 | 28.23 |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 400 | 25,300 | 10,000 | 40,600 | 160,400 | 236,300 | 236260.23 |
| 02.01.13 TRAFFIC CONTROL | | | | | | | | | |
| 02.01.13.01 Sitework | 1.00 | EA | 100 | 4,500 | 0 | 8,400 | 0 | 12,900 | 12907.43 |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 100 | 4,500 | 0 | 8,400 | 0 | 12,900 | 12907.43 |
| 02.01.19 CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | |
| 02.01.19.01 Roadway Backfill | 3912.00 | CY | 100 | 7,000 | 7,300 | 75,000 | 0 | 89,300 | 22.82 |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 100 | 7,000 | 7,300 | 75,000 | 0 | 89,300 | 89283.62 |
| 02.01.39 APPROACH ROADWAY | | | | | | | | | |
| 02.01.39.01 Removal of Concrete Pavement | 4073.00 | SY | 500 | 27,500 | 21,200 | 0 | 14,300 | 63,000 | 15.48 |
| 02.01.39.02 Removal of Curb | 1567.00 | LF | 100 | 3,400 | 2,600 | 0 | 400 | 6,400 | 4.05 |
| 02.01.39.03 Removal of Sidewalk | 1732.00 | SY | 100 | 5,800 | 4,500 | 0 | 2,400 | 12,800 | 7.39 |
| 02.01.39.04 Retaining Walls | 10285.00 | SF | 6,400 | 376,700 | 74,600 | 518,900 | 0 | 970,200 | 94.34 |
| 02.01.39.05 Structure Excavation | 1537.00 | CY | 800 | 34,200 | 28,100 | 0 | 0 | 62,300 | 40.55 |
| 02.01.39.06 Granular Backfill | 2790.00 | CY | 100 | 3,000 | 2,500 | 6,700 | 0 | 12,100 | 4.35 |
| 02.01.39.07 Struct Excav & Dispos Hazardous | 136.00 | CY | 100 | 4,100 | 3,400 | 0 | 20,400 | 27,800 | 204.74 |
| 02.01.39.08 Struct Excav & Dispos Non-Haz | 136.00 | CY | 100 | 4,100 | 3,400 | 0 | 4,800 | 12,200 | 89.74 |
| 02.01.39.09 Asphalt Pavement | 4073.00 | SY | 800 | 48,600 | 22,100 | 165,500 | 0 | 236,100 | 57.97 |
| 02.01.39.10 Sidewalk | 1732.00 | SY | 300 | 16,900 | 3,800 | 40,100 | 0 | 60,700 | 35.07 |
| 02.01.39.11 Concrete Pedestrian Ramp | 62.00 | SY | 200 | 7,900 | 1,900 | 7,600 | 0 | 17,400 | 280.31 |
| 02.01.39.12 Bridge Approach Slab | 134.00 | CY | 300 | 19,100 | 3,000 | 42,200 | 0 | 64,300 | 479.97 |
| TOTAL APPROACH ROADWAY | 1.00 | JOB | 9,700 | 551,200 | 171,000 | 780,900 | 42,300 | 1,545,500 | 1545474 |
| 02.01.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------|----------|--------|-----------|-----------|-----------|-----------|---------|------------|-----------|
| 02.01.99.01 | 28.00 | MO | 100 | 1,915,100 | 477,100 | 10,100 | 108,900 | 2,511,300 | 89687.99 |
| General Conditions | | | | | | | | | |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 1.00 | JOB | 100 | 1,915,100 | 477,100 | 10,100 | 108,900 | 108,900 | 2,511,300 | 2511264 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
| 1.00 | JOB | 34,100 | 3,855,300 | 1,063,900 | 2,926,300 | 2,313,700 | | 10,159,100 | 10159129 |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | |
| 02.03.18.01 | 1.00 | EA | 0 | 0 | 0 | 0 | 327,700 | 327,700 | 327725.27 |
| Remove & Relocate Utilities | | | | | | | | | |
| TOTAL UTILITIES | | | | | | | | | |
| 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 327,700 | 327,700 | 327725.27 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 02.03.99.01 | 1.50 | MO | 0 | 102,600 | 25,600 | 500 | 5,800 | 134,600 | 89729.73 |
| General Conditions | | | | | | | | | |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 1.00 | JOB | 0 | 102,600 | 25,600 | 500 | 5,800 | 5,800 | 134,600 | 134594.60 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | |
| 1.00 | JOB | 0 | 102,600 | 25,600 | 500 | 333,600 | | 462,300 | 462319.87 |
| TOTAL RELOCATIONS | | | | | | | | | |
| 1.00 | JOB | 34,100 | 3,957,900 | 1,089,500 | 2,926,800 | 2,647,300 | | 10,621,400 | 10621449 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | |
| 11.02.02.01 | 2.00 | EA | 100 | 6,200 | 1,300 | 11,100 | 0 | 18,500 | 9269.63 |
| Wall Drain Outlet & Flapgate 18" | | | | | | | | | |
| TOTAL DRAINAGE | | | | | | | | | |
| 1.00 | JOB | 100 | 6,200 | 1,300 | 11,100 | 0 | | 18,500 | 18539.25 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | |
| 11.02.03.01 Low Profile Cofferdam | | | | | | | | | |
| 160.00 | LF | 100 | 6,500 | 1,100 | 2,500 | 0 | | 10,100 | 62.87 |
| 11.02.03.02 Dewatering Cofferdam | | | | | | | | | |
| 160.00 | LF | 1,900 | 73,100 | 3,500 | 100,000 | 442,200 | | 618,700 | 3866.95 |
| TOTAL CARE & DIVERSION OF WATER | | | | | | | | | |
| 1.00 | JOB | 2,000 | 79,500 | 4,500 | 102,500 | 442,200 | | 628,800 | 628771.34 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | |
| 11.02.05.01 Removal of Flood Walls | | | | | | | | | |
| 160.00 | LF | 0 | 0 | 0 | 0 | 359,500 | | 359,500 | 2247.00 |
| 11.02.05.02 Flood Walls | | | | | | | | | |
| 4640.00 | SF | 3,400 | 203,600 | 39,000 | 279,100 | 0 | | 521,800 | 112.45 |
| 11.02.05.03 Structure Excavation | | | | | | | | | |
| 3171.00 | CY | 1,600 | 70,600 | 58,000 | 0 | 0 | | 128,600 | 40.55 |

PROJECT RBL501: LAKE STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT

Locally Preferred Plan Feasibility Study

** PROJECT DIRECT SUMMARY - ELEMENT (Rounded to 100's) **

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------|---------------------------------|---------|---------|--------|-----------|-----------|-----------|------------|-----------|
| 11.02.05.04 | Granular Backfill | 3105.00 | CY | 100 | 3,000 | 2,500 | 0 | 12,100 | 3.91 |
| 11.02.05.05 | Struct Excav & Dispos Hazardous | 280.00 | CY | 200 | 8,400 | 6,900 | 0 | 57,300 | 204.74 |
| 11.02.05.06 | Struct Excav & Dispos Non-Haz | 280.00 | CY | 200 | 8,400 | 6,900 | 0 | 25,100 | 89.74 |
| TOTAL FLOODWALL CONSTRUCTION | | | | | | | | | |
| | | 1.00 | JOB | 5,500 | 294,100 | 113,200 | 411,300 | 1,104,500 | 1104454 |
| 11.02.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 11.02.99.01 | General Conditions | 6.50 | MO | 0 | 444,600 | 110,800 | 25,300 | 583,000 | 89688.76 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| | | 1.00 | JOB | 0 | 444,600 | 110,800 | 25,300 | 583,000 | 582976.94 |
| TOTAL FLOODWALLS | | | | | | | | | |
| | | 1.00 | JOB | 7,600 | 824,300 | 229,800 | 878,800 | 2,334,700 | 2334741 |
| TOTAL LEVEES AND FLOODWALLS | | | | | | | | | |
| | | 1.00 | JOB | 7,600 | 824,300 | 229,800 | 878,800 | 2,334,700 | 2334741 |
| 30 PLANNING, ENGINEERING AND DESIGN | | | | | | | | | |
| 30.26 PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | |
| 31.26 PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | |
| TOTAL LAKE STREET BRIDGE REPLACEMENT | | | | | | | | | |
| | | 1.00 | JOB | 41,700 | 4,782,200 | 1,319,300 | 3,526,100 | 12,956,200 | 12956190 |
| HOME OFFICE OVERHEAD (G & A) | | | | | | | | | |
| | | 6.00 | % | | | | | 777,400 | |
| SUBTOTAL | | | | | | | | | |
| | | 8.00 | % | | | | | 13,733,600 | |
| PROFIT | | | | | | | | | |
| | | | | | | | | 1,098,700 | |
| SUBTOTAL | | | | | | | | | |
| | | 2.00 | % | | | | | 14,832,200 | |
| BOND | | | | | | | | | |
| | | | | | | | | 296,600 | |
| SUBTOTAL | | | | | | | | | |
| | | 25.00 | % | | | | | 15,128,900 | |
| ESTIMATE/DESIGN CONTINGENCY | | | | | | | | | |
| | | | | | | | | 3,782,200 | |
| TOTAL INCL INDIRECTS | | | | | | | | | |
| | | | | | | | | 18,911,100 | |

** CONTRACTOR DIRECT SUMMARY - CONTRACT (Rounded to 100's) **

QUANTITY UOM MANHOUR LABOR EQUIPMNT MATERIAL OTHER TOTAL COST

| AA PRIME CONTRACTOR | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST |
|-------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|
| FE Fence - Subcontractor | 1.00 | JOB | 100 | 3,300 | 0 | 3,300 | 0 | 6,500 |
| PM Pavement Marking - Subcontractor | 1.00 | JOB | 0 | 1,500 | 1,200 | 1,500 | 0 | 4,200 |
| EL Electrical - Subcontractor | 1.00 | JOB | 300 | 14,100 | 7,800 | 0 | 51,900 | 73,700 |
| UT Util.Gas,Water,Sewer - Subcontr | 1.00 | JOB | 0 | 0 | 0 | 0 | 222,300 | 222,300 |
| SP A/C Pavement - Subcontractor | 1.00 | JOB | 800 | 35,800 | 16,300 | 122,100 | 0 | 174,300 |
| ST Reinforcing/Steel - Subcontractr | 1.00 | JOB | 6,200 | 417,400 | 43,300 | 635,900 | 0 | 1,096,600 |
| SB Sign & Barricade - Subcontractor | 1.00 | JOB | 0 | 100 | 0 | 3,100 | 0 | 3,200 |
| DS Drilled Shaft - Subcontractor | 1.00 | JOB | 0 | 0 | 0 | 0 | 362,500 | 362,500 |
| Subtotal Subcontract Work | 1.00 | JOB | 7,400 | 472,100 | 68,600 | 765,900 | 636,700 | 1,943,300 |
| Subcontracts Incl Indirect | 1.00 | JOB | 7,400 | 637,900 | 92,400 | 1,035,900 | 847,500 | 2,613,700 |
| Contractor's Own Work | 1.00 | JOB | 26,700 | 3,320,000 | 997,100 | 1,890,900 | 1,799,700 | 8,007,700 |
| AA PRIME CONTRACTOR | 1.00 | JOB | 34,100 | 3,957,900 | 1,089,500 | 2,926,800 | 2,647,300 | 10,621,400 |

| AA PRIME CONTRACTOR | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST |
|-------------------------------------|----------|-----|---------|---------|----------|----------|---------|------------|
| ST Reinforcing/Steel - Subcontractr | 1.00 | JOB | 1,100 | 72,700 | 7,500 | 99,500 | 0 | 179,700 |
| Subtotal Subcontract Work | 1.00 | JOB | 1,100 | 72,700 | 7,500 | 99,500 | 0 | 179,700 |
| Subcontracts Incl Indirect | 1.00 | JOB | 1,100 | 98,300 | 10,200 | 134,600 | 0 | 243,100 |
| Contractor's Own Work | 1.00 | JOB | 6,500 | 726,000 | 219,600 | 267,200 | 878,800 | 2,091,700 |
| AA PRIME CONTRACTOR | 1.00 | JOB | 7,600 | 824,300 | 229,800 | 401,800 | 878,800 | 2,334,700 |

11. LEVEES AND FLOODWALLS
 30. PLANNING, ENGINEERING AND DESIGN
 31. CONSTRUCTION MANAGEMENT

** CONTRACTOR INDIRECT SUMMARY - CONTRACT (Rounded to 100's) **

TOTAL DIRECT FIELD OH HMOFC/GA PROFIT BOND E&D CON TOTAL COST UNIT COST

01. LANDS AND DAMAGES
02. RELOCATIONS

| | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|-------------------------------------|--------------|----------|----------|---------|---------|-----------|------------|-----------|
| AA PRIME CONTRACTOR | | | | | | | | |
| FE Fence - Subcontractor | 6,500 | 800 | 600 | 800 | 0 | 0 | 8,700 | 8690.20 |
| PM Pavement Marking - Subcontractor | 4,200 | 500 | 400 | 500 | 0 | 0 | 5,600 | 5615.48 |
| EL Electrical - Subcontractor | 73,700 | 5,900 | 6,400 | 10,300 | 0 | 0 | 96,300 | 96331.57 |
| UT Util.Gas,Water,Sewer - Subcontr | 222,300 | 37,800 | 20,800 | 33,700 | 0 | 0 | 314,600 | 314648.53 |
| SP A/C Pavement - Subcontractor | 174,300 | 20,900 | 15,600 | 25,300 | 0 | 0 | 236,100 | 236107.71 |
| ST Reinforcing/Steel - Subcontractr | 1,096,600 | 164,500 | 63,100 | 158,900 | 0 | 0 | 1,483,000 | 1483000 |
| SB Sign & Barricade - Subcontractor | 3,200 | 400 | 200 | 500 | 0 | 0 | 4,200 | 4217.22 |
| DS Drilled Shaft - Subcontractor | 362,500 | 36,300 | 31,900 | 34,500 | 0 | 0 | 465,100 | 465102.00 |
| ----- | | | | | | | | |
| Subtotal Subcontract Work | 1,943,300 | 267,000 | 138,900 | 264,400 | 0 | 0 | 2,613,700 | 2613713 |
| ----- | | | | | | | | |
| Indirect on Subcontracts | 2,613,700 | 0 | 156,800 | 221,600 | 59,800 | 763,000 | 3,815,000 | 3815028 |
| Indirect on Own Work | 8,007,700 | 0 | 480,500 | 679,100 | 183,300 | 2,337,700 | 11,688,300 | 11688251 |
| ----- | | | | | | | | |
| AA PRIME CONTRACTOR | 10,621,400 | 0 | 637,300 | 900,700 | 243,200 | 3,100,700 | 15,503,300 | 15503279 |
| ----- | | | | | | | | |

11. LEVEES AND FLOODWALLS

| | | | | | | | | |
|-------------------------------------|-----------|--------|---------|---------|--------|---------|-----------|-----------|
| AA PRIME CONTRACTOR | | | | | | | | |
| ST Reinforcing/Steel - Subcontractr | 179,700 | 27,000 | 10,300 | 26,000 | 0 | 0 | 243,100 | 243066.12 |
| ----- | | | | | | | | |
| Subtotal Subcontract Work | 179,700 | 27,000 | 10,300 | 26,000 | 0 | 0 | 243,100 | 243066.12 |
| ----- | | | | | | | | |
| Indirect on Subcontracts | 243,100 | 0 | 14,600 | 20,600 | 5,600 | 71,000 | 354,800 | 354784.17 |
| Indirect on Own Work | 2,091,700 | 0 | 125,500 | 177,400 | 47,900 | 610,600 | 3,053,100 | 3053051 |
| ----- | | | | | | | | |
| AA PRIME CONTRACTOR | 2,334,700 | 0 | 140,100 | 198,000 | 53,500 | 681,600 | 3,407,800 | 3407835 |
| ----- | | | | | | | | |

30. PLANNING, ENGINEERING AND DESIGN
31. CONSTRUCTION MANAGEMENT

URS Corporation
 PROJECT RBLS01: LAKE STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 01. LANDS AND DAMAGES

| 01.18. GENERAL REEVALUATION REPORT (GRR) | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|-----------------------------------|----------|-----|---------|-------|----------|----------|-------|------------|-----------|
| 01. LANDS AND DAMAGES | | | | | | | | | | |
| 01.18. | GENERAL REEVALUATION REPORT (GRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.19. | LIMITED REEVALUATION REPORT (LRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.20. | PROJECT DESIGN MEMORANDUM (PDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.21. | FEATURE DESIGN MEMORANDUM (FDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.23. | PURCHASE RIGHT-OF-WAY | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LANDS AND DAMAGES | | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

02. RELOCATIONS
 02.01. ROADS, CONSTRUCTION ACTIVITIES
 02.01.01. MOB, DEMOB & PREP WORK
 02.01.01.01. Mob/Demob & Prep Work

| USR AA < 628 0004 > Mob & Demob Contractor & Subs | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------------------|--------|-----|---------|-------|----------|----------|-----------|------------|-----------|
| | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 510100.00 | 510100.00 | |
| | | | | 0 | 0 | 0 | 510,100 | 510,100 | 510100.00 |
| USR AA < 628 0004 > Water Quality | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 75000.00 | 75000.00 | |
| | | | | 0 | 0 | 0 | 75,000 | 75,000 | 75000.00 |
| USR AA < 628 0004 > Final Contract Closeout | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 55000.00 | 55000.00 | |
| | | | | 0 | 0 | 0 | 55,000 | 55,000 | 55000.00 |
| USR AA < 628 0004 > Service Connection Fees | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 21300.00 | 21300.00 | |
| | | | | 0 | 0 | 0 | 21,300 | 21,300 | 21300.00 |
| USR AA < 628 0004 > Permits | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 40500.00 | 40500.00 | |
| | | | | 0 | 0 | 0 | 40,500 | 40,500 | 40500.00 |
| USR AA < 628 0004 > Maintain Exit Haul Routes | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 22000.00 | 22000.00 | |
| | | | | 0 | 0 | 0 | 22,000 | 22,000 | 22000.00 |
| USR AA < 628 0004 > Material Testing | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 24200.00 | 24200.00 | |
| | | | | 0 | 0 | 0 | 24,200 | 24,200 | 24200.00 |
| USR AA < 628 0004 > SWPP- Erosion & Sediment Control | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 25000.00 | 25000.00 | |
| | | | | 0 | 0 | 0 | 25,000 | 25,000 | 25000.00 |
| USR AA < 628 0004 > Draft & Final Contr. Submittals | 1.00 | JOB | 0.00 | 0.00 | 0.00 | 0.00 | 35000.00 | 35000.00 | |
| | | | | 0 | 0 | 0 | 35,000 | 35,000 | 35000.00 |
| TOTAL Mob/Demob & Prep Work | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |
| TOTAL MOB, DEMOB & PREP WORK | 1.00 | JOB | 0 | 0 | 0 | 0 | 808,100 | 808,100 | 808100.00 |

| 02.01.03. DEMOLITION/BRIDGE REMOVAL | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------------------------------|--------|-----|---------|--------|----------|----------|-------|------------|-----------|
| 02.01.03.01. Remove Light Fixture | 8.00 | EA | 10.00 | 491.50 | 270.43 | 0.00 | 0.00 | 761.93 | |
| | | | 80 | 5,137 | 2,826 | 0 | 0 | 7,963 | 995.36 |
| TOTAL Remove Light Fixture | 8.00 | EA | 80 | 5,137 | 2,826 | 0 | 0 | 7,963 | 995.36 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|------------|-------------------------------|-------|----------|----------|-------|------------|-----------|
| 02.01.03.02. Remove Pilasters | | | | | | | | |
| USR AA < | 202 0008 > | Remove Pilasters | 13.33 | 719.77 | 556.07 | 0.00 | 0.00 | 1275.83 |
| 8.00 | EA | | 107 | 5,758 | 4,449 | 0 | 0 | 10,207 |
| TOTAL Remove Pilasters | | | | | | | | |
| 8.00 | EA | | 107 | 5,758 | 4,449 | 0 | 0 | 10,207 |
| 02.01.03.03. Remove Bridge Railing | | | | | | | | |
| USR AA < | 202 1236 > | Remove Bridge Railing | 0.89 | 47.98 | 37.07 | 0.00 | 0.00 | 85.06 |
| 300.00 | LF | | 267 | 14,395 | 11,121 | 0 | 0 | 25,517 |
| TOTAL Remove Bridge Railing | | | | | | | | |
| 300.00 | LF | | 267 | 14,395 | 11,121 | 0 | 0 | 25,517 |
| 02.01.03.04. Saw Cut Asphalt Pavement | | | | | | | | |
| USR AA < | 202 0038 > | Saw Cut Asphalt Pavement - 3" | 0.03 | 1.16 | 0.37 | 0.00 | 0.00 | 1.53 |
| 600.00 | LF | | 18 | 697 | 223 | 0 | 0 | 920 |
| TOTAL Saw Cut Asphalt Pavement | | | | | | | | |
| 600.00 | LF | | 18 | 697 | 223 | 0 | 0 | 920 |
| 02.01.03.05. Remove Asphalt Pavement | | | | | | | | |
| USR AA < | 202 2128 > | Remove Asphalt Pavement - 3" | 0.02 | 1.14 | 0.63 | 0.00 | 0.00 | 1.76 |
| 2000.00 | SY | | 46 | 2,275 | 1,252 | 0 | 0 | 3,528 |
| TOTAL Remove Asphalt Pavement | | | | | | | | |
| 2000.00 | SY | | 46 | 2,275 | 1,252 | 0 | 0 | 3,528 |
| 02.01.03.06. Remove Sidewalk | | | | | | | | |
| USR AA < | 202 0038 > | Remove Sidewalk | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 |
| 269.00 | SY | | 54 | 2,644 | 1,455 | 0 | 0 | 15,24 |
| TOTAL Remove Sidewalk | | | | | | | | |
| 269.00 | SY | | 54 | 2,644 | 1,455 | 0 | 0 | 15,24 |
| 02.01.03.07. Concrete Deck Removal | | | | | | | | |
| USR AA < | 202 0008 > | Concrete Deck Removal | 1.08 | 58.00 | 59.33 | 0.00 | 0.00 | 117.33 |
| 220.00 | CY | | 238 | 12,759 | 13,052 | 0 | 0 | 25,812 |
| TOTAL Remove Concrete Deck | | | | | | | | |
| 220.00 | CY | | 238 | 12,759 | 13,052 | 0 | 0 | 25,812 |

URS Corporation
 PROJECT RBL01: LAKE STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 02. RELOCATIONS

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------|-----|---------|-------|----------|----------|-------|------------|-----------|
|----------|-----|---------|-------|----------|----------|-------|------------|-----------|

| | | | | | | | | |
|-----------------------------|------------|------------------------------|------|--------|--------|-------|-------|--------|
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 |
| | 440.00 | LCY | 0 | 0 | 0 | 2,785 | 2,785 | 6.33 |
| TOTAL Concrete Deck Removal | | | 238 | 12,759 | 13,052 | 0 | 2,785 | 28,597 |

02.01.03.08. Bridge Bearings Removal

| | | | | | | | | |
|-------------------------------|------------|------------------------|-------|--------|--------|------|---------|---------|
| USR AA < | 202 0021 > | Bridge Bearing Removal | 17.33 | 927.95 | 949.27 | 0.00 | 1877.22 | 1877.22 |
| | 40.00 | EA | 693 | 37,118 | 37,971 | 0 | 75,089 | 1877.22 |
| TOTAL Bridge Bearings Removal | | | 693 | 37,118 | 37,971 | 0 | 75,089 | 1877.22 |

02.01.03.10. Structure Excavation

| | | | | | | | | |
|----------------------------|------------|---------------------------------|------|-------|-------|------|--------|-------|
| USR AA < | 206 0500 > | North Abut Structure Excavation | 0.44 | 18.79 | 15.43 | 0.00 | 34.21 | 34.21 |
| | 110.00 | LCY | 48 | 2,067 | 1,697 | 0 | 3,764 | 34.21 |
| USR AA < | 206 0500 > | South Abut Structure Excavation | 0.44 | 18.79 | 15.43 | 0.00 | 34.21 | 34.21 |
| | 110.00 | LCY | 48 | 2,067 | 1,697 | 0 | 3,764 | 34.21 |
| USR AA < | 206 0500 > | North Pier Structure Excavation | 0.44 | 18.79 | 15.43 | 0.00 | 34.21 | 34.21 |
| | 144.00 | LCY | 63 | 2,705 | 2,221 | 0 | 4,927 | 34.21 |
| USR AA < | 206 0500 > | South Pier Structure Excavation | 0.44 | 18.79 | 15.43 | 0.00 | 34.21 | 34.21 |
| | 144.00 | LCY | 63 | 2,705 | 2,221 | 0 | 4,927 | 34.21 |
| TOTAL Structure Excavation | | | 222 | 9,544 | 7,837 | 0 | 17,381 | 42.81 |

02.01.03.11. Concrete Abutment Removal

| | | | | | | | | |
|---------------------------------|------------|---------------------------------|------|--------|--------|-------|--------|----------|
| USR AA < | 202 0008 > | North Concrete Abutment Removal | 0.72 | 33.51 | 31.78 | 0.00 | 65.29 | 65.29 |
| | 240.00 | LCY | 173 | 8,043 | 7,627 | 0 | 15,670 | 65.29 |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | 240.00 | LCY | 0 | 0 | 0 | 1,519 | 1,519 | 6.33 |
| USR AA < | 202 0008 > | South Abutment Concrete Removal | 0.72 | 33.51 | 31.78 | 0.00 | 65.29 | 65.29 |
| | 240.00 | LCY | 173 | 8,043 | 7,627 | 0 | 15,670 | 65.29 |
| USR AA < | 202 0038 > | Disposal Fee; based on quote | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | 240.00 | LCY | 0 | 0 | 0 | 1,519 | 1,519 | 6.33 |
| TOTAL Concrete Abutment Removal | | | 347 | 16,086 | 15,253 | 0 | 34,378 | 17188.92 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

02.01.03.12. Concrete Pier Removal

| USR AA < 202 0008 > North Concrete Pier Removal | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------|--------|-----|---------|--------|----------|----------|-------|------------|-----------|
| | 238.00 | LCY | 0.81 | 37.70 | 35.75 | 0.00 | 0.00 | 73.45 | 73.45 |
| | | | 193 | 8,973 | 8,509 | 0 | 0 | 17,482 | 73.45 |
| USR AA < 202 0038 > Disposal Fee; based on quote | 238.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | 0 | 0 | 0 | 0 | 1,507 | 1,507 | 6.33 |
| USR AA < 202 0008 > South Concrete Pier Removal | 238.00 | LCY | 0.81 | 37.70 | 35.75 | 0.00 | 0.00 | 73.45 | 73.45 |
| | | | 193 | 8,973 | 8,509 | 0 | 0 | 17,482 | 73.45 |
| USR AA < 202 0038 > Disposal Fee; based on quote | 238.00 | LCY | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 6.33 | 6.33 |
| | | | 0 | 0 | 0 | 0 | 1,507 | 1,507 | 6.33 |
| TOTAL Concrete Pier Removal | 2.00 | EA | 387 | 17,946 | 17,017 | 0 | 3,013 | 37,976 | 18988.09 |

02.01.03.13. Granular Backfill

| | | | | | | | | | |
|---------------------------------------------|--------|-----|-------|---------|---------|--------|--------|---------|-----------|
| USR AA < 207 2004 > North Abutment Backfill | 174.00 | LCY | 0.21 | 8.84 | 7.26 | 20.07 | 0.00 | 36.17 | 36.17 |
| | | | 36 | 1,538 | 1,263 | 3,491 | 0 | 6,293 | 36.17 |
| USR AA < 207 2004 > South Abutment Backfill | 174.00 | LCY | 0.21 | 8.84 | 7.26 | 20.07 | 0.00 | 36.17 | 36.17 |
| | | | 36 | 1,538 | 1,263 | 3,491 | 0 | 6,293 | 36.17 |
| USR AA < 207 2004 > North Pier Backfill | 174.00 | LCY | 0.21 | 8.84 | 7.26 | 20.07 | 0.00 | 36.17 | 36.17 |
| | | | 36 | 1,538 | 1,263 | 3,491 | 0 | 6,293 | 36.17 |
| USR AA < 207 2004 > South Pier Backfill | 174.00 | LCY | 0.21 | 8.84 | 7.26 | 20.07 | 0.00 | 36.17 | 36.17 |
| | | | 36 | 1,538 | 1,263 | 3,491 | 0 | 6,293 | 36.17 |
| TOTAL Granular Backfill | 445.00 | CY | 143 | 6,153 | 5,053 | 13,965 | 0 | 25,172 | 56.57 |
| TOTAL DEMOLITION/BRIDGE REMOVAL | 1.00 | JOB | 2,602 | 130,513 | 117,509 | 13,965 | 10,748 | 272,736 | 272736.29 |

02.01.05. BRIDGES, FOUNDATIONS

02.01.05.01. Abutment Drilled Shaft

| | | | | | | | | | |
|-----------------------------------------------------|--------|-----|-------|---------|--------|---------|---------|-----------|---------|
| USR DS < 508 0596 > Drilling & Placing Conc & Reinf | 500.00 | LF | 0.00 | 0.00 | 0.00 | 0.00 | 725.00 | 725.00 | 725.00 |
| | | | 0 | 0 | 0 | 0 | 465,102 | 465,102 | 930.20 |
| USR ST < 505 0500 > Drilled Shaft Reinforcing Steel | 145.40 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 |
| | | | 2,617 | 236,947 | 24,606 | 301,721 | 0 | 563,274 | 3873.96 |
| TOTAL Abutment Drilled Shaft | 500.00 | LF | 2,617 | 236,947 | 24,606 | 301,721 | 465,102 | 1,028,376 | 2056.75 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
|------------------------------------------------------|---------|-----|---------|---------|----------|----------|---------|------------|-----------|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
| 02.01.05.02. Structure Excavation | | | | | | | | | |
| USR AA < 206 0500 > Structural Excavation | 1649.00 | CY | 855 | 36,717 | 30,150 | 0.00 | 0.00 | 66,867 | 40.55 |
| TOTAL Structure Excavation | 1649.00 | CY | 855 | 36,717 | 30,150 | 0 | 0 | 66,867 | 40.55 |
| 02.01.05.03. Struct Excav & Dispos Hazardous | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Hazardous | 145.00 | CY | 102 | 4,359 | 3,579 | 0.00 | 150.00 | 29,688 | 204.74 |
| TOTAL Struct Excav & Dispos Hazardous | 145.00 | CY | 102 | 4,359 | 3,579 | 0 | 21,750 | 29,688 | 204.74 |
| 02.01.05.04. Struct Excav & Dispos Non-Haz | | | | | | | | | |
| USR AA < 206 0500 > Floodwall Excavation Non-Haz | 145.00 | CY | 102 | 4,359 | 3,579 | 0.00 | 35.00 | 13,013 | 89.74 |
| TOTAL Struct Excav & Dispos Non-Haz | 145.00 | CY | 102 | 4,359 | 3,579 | 0 | 5,075 | 13,013 | 89.74 |
| 02.01.05.05. Low Profile Cofferdam | | | | | | | | | |
| USR AA < 637 XXXX > Jersey Barrier Cofferdam | 250.00 | LF | 125 | 6,677 | 1,059 | 3,579 | 0 | 11,315 | 45.26 |
| USR AA < 637 XXXX > Remove Cofferdam | 250.00 | LF | 63 | 3,339 | 531 | 0.00 | 0 | 3,870 | 15.48 |
| USR AA < 637 XXXX > Load & Haul to Disposal Sandbags | 18.00 | CY | 1 | 83 | 78 | 351 | 0 | 512 | 28.44 |
| TOTAL Low Profile Cofferdam | 250.00 | LF | 189 | 10,098 | 1,668 | 3,931 | 0 | 15,697 | 62.79 |
| 02.01.05.06. Dewatering Cofferdam | | | | | | | | | |
| USR AA < 637 XXXX > Dewatering & Water Treatment | 250.00 | LF | 2,905 | 114,166 | 5,406 | 156,227 | 0 | 275,800 | 1103.20 |
| USR AA < 637 XXXX > Treatment & Discharge of Water | 419.00 | MG | 0 | 0 | 0 | 0.00 | 1650.00 | 691,350 | 1650.00 |
| TOTAL Dewatering Cofferdam | 250.00 | LF | 2,905 | 114,166 | 5,406 | 156,227 | 691,350 | 967,150 | 3868.60 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | |
|------------------------------------------------------|---------|-----|---------|---------|----------|----------|-----------|------------|-----------|--|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| 02.01.05.07. Abutement Footing Concrete | | | | | | | | | | |
| USR AA < 502 0840 > Abutment Footing Forms | 1371.00 | SF | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | 11.65 | |
| | 215 | | 215 | 10,012 | 2,724 | 3,236 | 0 | 15,973 | 11.65 | |
| USR ST < 505 0500 > Abutment Footing Reinforcing Stl | 13.80 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 | |
| | 248 | | 248 | 22,489 | 2,335 | 28,637 | 0 | 53,461 | 3873.96 | |
| USR AA < 502 0840 > Abutment Footing Concrete | 184.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 | |
| | 59 | | 59 | 2,458 | 697 | 27,798 | 0 | 30,953 | 168.22 | |
| TOTAL Abutement Footing Concrete | 184.00 | CY | 523 | 34,959 | 5,756 | 59,671 | 0 | 100,386 | 545.58 | |
| 02.01.05.08. Granular Fill | | | | | | | | | | |
| USR AA < 207 2004 > Abutment Granular Backfill | 1464.00 | LCY | 0.26 | 11.38 | 5.07 | 20.07 | 0.00 | 36.51 | 36.51 | |
| | 378 | | 378 | 16,654 | 7,417 | 29,375 | 0 | 53,446 | 36.51 | |
| TOTAL Granular Fill | 1464.00 | CY | 378 | 16,654 | 7,417 | 29,375 | 0 | 53,446 | 36.51 | |
| TOTAL BRIDGES, FOUNDATIONS | 2.00 | EA | 7,670 | 458,258 | 82,161 | 550,926 | 1,183,277 | 2,274,622 | 1137311 | |
| 02.01.06. BRIDGES, ABUTMENTS & PIERS | | | | | | | | | | |
| 02.01.06.01. Concrete Abutment Wall | | | | | | | | | | |
| USR AA < 502 0840 > Abutment Wall Forms | 4151.00 | SF | 0.28 | 12.78 | 3.48 | 2.36 | 0.00 | 18.62 | 18.62 | |
| | 1,142 | | 1,142 | 53,051 | 14,433 | 9,799 | 0 | 77,283 | 18.62 | |
| USR ST < 505 0500 > Abutment Wall Reinforcing Steel | 9.68 | TON | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 | |
| | 174 | | 174 | 15,773 | 1,638 | 20,085 | 0 | 37,497 | 3873.96 | |
| USR AA < 502 0840 > Abutment Wall Concrete | 222.00 | CY | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 | |
| | 71 | | 71 | 2,965 | 841 | 33,539 | 0 | 37,345 | 168.22 | |
| TOTAL Concrete Abutment Wall | 222.00 | CY | 1,387 | 71,790 | 16,912 | 63,424 | 0 | 152,125 | 685.25 | |
| TOTAL BRIDGES, ABUTMENTS & PIERS | 2.00 | EA | 1,387 | 71,790 | 16,912 | 63,424 | 0 | 152,125 | 76062.68 | |
| 02.01.07. BRIDGES, SUPERSTRUCTURE & DECK | | | | | | | | | | |
| 02.01.07.01. Bridge Superstructure | | | | | | | | | | |
| USR AA < 506 0000 > Structural Steel | 489278 | LB | 0.01 | 0.52 | 0.16 | 1.95 | 0.00 | 2.63 | 2.63 | |
| | 3,865 | | 3,865 | 254,733 | 79,028 | 952,866 | 0 | 1,286,627 | 2.63 | |
| USR AA < 506 XXXX > 2.5-Inch Structural Strands | 12378 | LB | 0.02 | 1.56 | 0.48 | 5.96 | 0.00 | 8.01 | 8.01 | |
| | 295 | | 295 | 19,333 | 5,999 | 73,779 | 0 | 99,112 | 8.01 | |

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02.01. ROADS, CONSTRUCTION ACTIVITIES

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------------------------------------------------|---------|-----|---------|---------|----------|-----------|-------|------------|-----------|
| TOTAL Bridge Superstructure | 12075 | SF | 4,160 | 274,066 | 85,028 | 1,026,646 | 0 | 1,385,739 | 114.76 |
| 02.01.07.02. Bridge Deck | | | | | | | | | |
| USR AA < 502 0864 > Deck Forms | 12077 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | 2,657 | 123,479 | 33,593 | 28,509 | 0 | 185,581 | 15.37 |
| USR ST < 505 0502 > Deck Reinforcing Steel Epoxy | 38.36 | TON | 18.00 | 1204.98 | 125.14 | 1982.90 | 0.00 | 3313.02 | 4480.53 |
| | | | 691 | 62,516 | 6,492 | 102,876 | 0 | 171,884 | 4480.53 |
| USR AA < 502 0864 > Deck Concrete | 341.00 | CY | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | 172.51 |
| | | | 136 | 5,693 | 1,614 | 51,518 | 0 | 58,825 | 172.51 |
| USR AA < 502 0864 > End Diaphragm Forms | 8411.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | 1,850 | 85,996 | 23,396 | 19,855 | 0 | 129,247 | 15.37 |
| USR ST < 505 0500 > End Diaphragm Reinforcing Steel | 4.41 | TON | 18.00 | 1204.98 | 125.13 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | | | 79 | 7,187 | 746 | 9,151 | 0 | 17,084 | 3873.96 |
| USR ST < 505 0502 > End Diaphragm Reinforcg Stl Epoxy | 6.62 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 4480.53 |
| | | | 119 | 10,780 | 1,119 | 17,739 | 0 | 29,639 | 4480.53 |
| USR AA < 502 0864 > End Diaphragm Concrete | 147.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | 118 | 4,909 | 1,392 | 22,209 | 0 | 28,509 | 193.94 |
| USR AA < 502 0864 > Tie Beam Forms | 5767.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | 1,269 | 58,965 | 16,041 | 13,614 | 0 | 88,620 | 15.37 |
| USR ST < 505 0500 > Tie Beam Reinforcing Steel | 2.53 | TON | 18.00 | 1204.98 | 125.13 | 1534.39 | 0.00 | 2864.51 | 3873.96 |
| | | | 45 | 4,115 | 427 | 5,240 | 0 | 9,782 | 3873.96 |
| USR ST < 505 0502 > Tie Beam Reinforcing Steel Epoxy | 0.09 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 4480.53 |
| | | | 2 | 147 | 15 | 241 | 0 | 403 | 4480.53 |
| USR AA < 502 0864 > Tie Beam Concrete | 101.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | 81 | 3,373 | 956 | 15,259 | 0 | 19,588 | 193.94 |
| USR AA < 502 0864 > Facia Forms | 481.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | 106 | 4,918 | 1,338 | 1,135 | 0 | 7,391 | 15.37 |
| USR ST < 505 0502 > Facia Reinforcing Steel Epoxy | 0.40 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 4480.53 |
| | | | 7 | 652 | 68 | 1,073 | 0 | 1,792 | 4480.53 |
| USR AA < 502 0864 > Facia Concrete | 8.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | 6 | 267 | 76 | 1,209 | 0 | 1,552 | 193.94 |
| USR AA < 502 0864 > Railing Forms | 2403.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 15.37 |
| | | | 529 | 24,569 | 6,684 | 5,673 | 0 | 36,926 | 15.37 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------------------|----------|-----|---------|---------|----------|-----------|---------|------------|-----------|
| USR ST < 505 0502 > Railing Reinforcing Steel Epoxy | 3.00 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 1104.34 |
| | 54 | | 4,889 | 508 | 8,045 | | | 13,442 | 4480.53 |
| USR AA < 502 0864 > Railing Concrete | 42.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 4.62 |
| | 34 | | 1,402 | 398 | 6,345 | | | 8,145 | 193.94 |
| USR AA < 502 0864 > Sidewalk Forms | 222.00 | SF | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | 0.07 |
| | 49 | | 2,270 | 618 | 524 | | | 3,411 | 15.37 |
| USR ST < 505 0502 > Sidewalk Reinforcing Steel Epoxy | 1.90 | TON | 18.00 | 1204.98 | 125.13 | 1982.90 | 0.00 | 3313.02 | 1743.70 |
| | 34 | | 3,096 | 322 | 5,095 | | | 8,513 | 4480.53 |
| USR AA < 502 0864 > Sidewalk Concrete | 80.00 | CY | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | 2.16 |
| | 32 | | 1,336 | 379 | 12,086 | | | 13,801 | 172.51 |
| USR AA < 503 0012 > Prestressing CIP Concrete | 10.00 | EA | 12.29 | 696.47 | 67.99 | 2883.65 | 0.00 | 3648.11 | 364.81 |
| | 123 | | 6,965 | 680 | 28,836 | | | 36,481 | 364.81 |
| TOTAL Bridge Deck | 12075 | SF | 8,021 | 417,523 | 96,863 | 356,232 | 0 | 870,617 | 72.10 |
| TOTAL BRIDGES, SUPERSTRUCTURE & DECK | 12075 | SF | 12,180 | 691,589 | 181,890 | 1,382,878 | 0 | 2,256,356 | 186.86 |
| 02.01.08. BRIDGES, ASSOCIATED GENERAL ITEM | | | | | | | | | |
| 02.01.08.01. Bridge General Items | | | | | | | | | |
| USR AA < 506 0000 > Expansion Joint 1-Inch | 150.00 | LF | 0.07 | 3.27 | 0.64 | 9.37 | 0.00 | 13.28 | 0.09 |
| | 10 | | 490 | 96 | 1,406 | | | 1,992 | 13.28 |
| USR EL < 623 XXXX > Light Fixtures | 14.00 | EA | 0.00 | 0.00 | 0.00 | 0.00 | 2992.00 | 2992.00 | 213.71 |
| | 0 | | 0 | 0 | 0 | 0 | 54,721 | 54,721 | 3908.65 |
| USR EL < 623 XXXX > Install Light Fixtures | 14.00 | EA | 3.33 | 163.83 | 90.14 | 0.00 | 0.00 | 253.98 | 18.14 |
| | 47 | | 2,996 | 1,649 | 0 | 0 | 0 | 4,645 | 331.79 |
| USR EL < 623 XXXX > Reconstruct Signals | 8.00 | EA | 20.00 | 983.00 | 540.86 | 0.00 | 0.00 | 1523.86 | 190.48 |
| | 160 | | 10,273 | 5,652 | 0 | 0 | 0 | 15,926 | 1990.72 |
| USR PM < 632 XXXX > Pavement Striping | 966.00 | LF | 0.04 | 1.53 | 1.24 | 1.59 | 0.00 | 4.37 | 0.00 |
| | 37 | | 1,969 | 1,598 | 2,048 | 0 | 0 | 5,615 | 5.81 |
| USR ST < 506 0600 > Pedestrian Ornamental Handrail | 423.00 | LF | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | 0.20 |
| | 106 | | 9,574 | 994 | 37,136 | 0 | 0 | 47,705 | 112.78 |
| USR AA < 999 XXXX > Miscellaneous Bridge Items | 12075 | SF | 0.00 | 0.00 | 0.00 | 0.00 | 8.75 | 8.75 | 0.00 |
| | 0 | | 0 | 0 | 0 | 0 | 105,656 | 105,656 | 8.75 |
| TOTAL Bridge General Items | 8370.00 | SF | 360 | 25,303 | 9,989 | 40,590 | 160,377 | 236,260 | 28.23 |

URS Corporation
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 02. RELOCATIONS

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | |
|-------------------------------------------------------|---------|-----|---------|--------|----------|----------|---------|------------|-----------|
| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
| 02.01.13. TRAFFIC CONTROL | | | | | | | | | |
| 02.01.13.01. Sitework | | | | | | | | | |
| TOTAL BRIDGES, ASSOCIATED GENERAL ITEM | 1.00 | JOB | 360 | 25,303 | 9,989 | 40,590 | 160,377 | 236,260 | 236260.23 |
| CIV SB <01530 1113 > Type 3 w/ Three Striped Boards | 8.00 | EA | 0 | 0.00 | 0.00 | 175.86 | 0.00 | 175.86 | 1,871 |
| CIV SB <01530 1114 > Blinking Light Attachment | 32.00 | EA | 0 | 0.00 | 0.00 | 23.61 | 0.00 | 23.61 | 1,004 |
| CIV SB <01530 1116 > Safety Barrels 36" Tall | 24.00 | EA | 0 | 0.00 | 0.00 | 35.41 | 0.00 | 35.41 | 1,130 |
| MIL SB <02842 0590 > Signs, reflectorized w/post, 12" | 4.00 | EA | 2 | 19.52 | 0.00 | 20.36 | 0.00 | 39.88 | 212 |
| L AF FE <01534 0100 > Fencing, 11 ga, chain link, 6' | 840.00 | LF | 84 | 4,363 | 0 | 4,327 | 0 | 8,690 | 10.35 |
| TOTAL Sitework | 1.00 | EA | 86 | 4,467 | 0 | 8,440 | 0 | 12,907 | 12907.43 |
| TOTAL TRAFFIC CONTROL | 1.00 | JOB | 86 | 4,467 | 0 | 8,440 | 0 | 12,907 | 12907.43 |
| 02.01.19. CONSTRUCT ROADBED TO SUBGRADE | | | | | | | | | |
| 02.01.19.01. Roadway Backfill | | | | | | | | | |
| USR AA < 207 2004 > Spread & Compact Fill | 4890.00 | LCY | 137 | 6,987 | 7,265 | 75,032 | 0 | 89,284 | 18.26 |
| TOTAL Roadway Backfill | 3912.00 | CY | 137 | 6,987 | 7,265 | 75,032 | 0 | 89,284 | 22.82 |
| TOTAL CONSTRUCT ROADBED TO SUBGRADE | 1.00 | JOB | 137 | 6,987 | 7,265 | 75,032 | 0 | 89,284 | 89283.62 |
| 02.01.39. APPROACH ROADWAY | | | | | | | | | |
| 02.01.39.01. Removal of Concrete Pavement | | | | | | | | | |
| USR AA < 202 2112 > Remove Concrete Pavement 10" | 4073.00 | SY | 509 | 27,484 | 21,233 | 0 | 0 | 48,717 | 11.96 |
| USR AA < 202 0038 > Disposal Fee; based on quote | 2262.00 | LCY | 0 | 0 | 0 | 0 | 6.33 | 14,318 | 6.33 |
| TOTAL Removal of Concrete Pavement | 4073.00 | SY | 509 | 27,484 | 21,233 | 0 | 14,318 | 63,036 | 15.48 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------|-----|---------|---------|---------|----------|-------|------------|-----------|
| 02.01.39.02. Removal of Curb | | | | | | | | |
| 1567.00 | LF | 63 | 3,384 | 2,614 | 0 | 0 | 5,998 | 3.83 |
| 02.01.39.03. Removal of Sidewalk | | | | | | | | |
| 1732.00 | SY | 108 | 5,844 | 4,514 | 0 | 0 | 10,358 | 5.98 |
| 385.00 | LCY | 0 | 0 | 0 | 0 | 2,437 | 2,437 | 6.33 |
| 1732.00 | SY | 108 | 5,844 | 4,514 | 0 | 2,437 | 12,795 | 7.39 |
| 02.01.39.04. Retaining Walls | | | | | | | | |
| 5706.00 | SF | 896 | 41,671 | 11,337 | 13,470 | 0 | 66,477 | 11.65 |
| 48.75 | TON | 878 | 79,451 | 8,251 | 101,171 | 0 | 188,873 | 3873.96 |
| 634.00 | CY | 203 | 8,468 | 2,401 | 95,784 | 0 | 106,653 | 168.22 |
| 21084 | SF | 3,312 | 153,977 | 41,891 | 49,771 | 0 | 245,638 | 11.65 |
| 34.60 | TON | 623 | 56,381 | 5,855 | 71,794 | 0 | 134,031 | 3873.96 |
| 447.00 | CY | 143 | 5,970 | 1,693 | 67,532 | 0 | 75,195 | 168.22 |
| 1360.00 | LF | 340 | 30,782 | 3,197 | 119,399 | 0 | 153,377 | 112.78 |
| 10285 | SF | 6,395 | 376,701 | 74,624 | 518,920 | 0 | 970,245 | 94.34 |

| 02.01. ROADS, CONSTRUCTION ACTIVITIES | | | | | | | | | | | |
|----------------------------------------------|---------------------------------------|---------|-----|---------|--------|---------|----------|--------|------------|-----------|--|
| | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
| 02.01.39.05. Structure Excavation | | | | | | | | | | | |
| USR AA < 206 0500 > | Structural Excavation | 1537.00 | CY | 797 | 34,223 | 28,102 | 0 | 0 | 62,326 | 40.55 | |
| | TOTAL Structure Excavation | 1537.00 | CY | 797 | 34,223 | 28,102 | 0 | 0 | 62,326 | 40.55 | |
| 02.01.39.06. Granular Backfill | | | | | | | | | | | |
| USR AA < 207 2004 > | Granular Backfill | 278.00 | CY | 70 | 2,984 | 2,451 | 24.08 | 0 | 12,129 | 43.63 | |
| | TOTAL Granular Backfill | 2790.00 | CY | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 4.35 | |
| 02.01.39.07. Struct Excav & Dispos Hazardous | | | | | | | | | | | |
| USR AA < 206 0500 > | Floodwall Excavation Hazardous | 136.00 | CY | 95 | 4,088 | 3,357 | 0 | 20,400 | 27,845 | 204.74 | |
| | TOTAL Struct Excav & Dispos Hazardous | 136.00 | CY | 95 | 4,088 | 3,357 | 0 | 20,400 | 27,845 | 204.74 | |
| 02.01.39.08. Struct Excav & Dispos Non-Haz | | | | | | | | | | | |
| USR AA < 206 0500 > | Floodwall Excavation Non-Haz | 136.00 | CY | 95 | 4,088 | 3,357 | 0 | 4,760 | 12,205 | 89.74 | |
| | TOTAL Struct Excav & Dispos Non-Haz | 136.00 | CY | 95 | 4,088 | 3,357 | 0 | 4,760 | 12,205 | 89.74 | |
| 02.01.39.09. Asphalt Pavement | | | | | | | | | | | |
| L USR SP < 402 6000 > | Plant Mix Surfacing | 1284.00 | TON | 616 | 38,156 | 13,355 | 53.11 | 0 | 143,902 | 112.07 | |
| USR SP < 302 0500 > | Aggregate Base | 2539.00 | TON | 150 | 10,401 | 8,726 | 21.25 | 0 | 92,205 | 36.32 | |
| | TOTAL Asphalt Pavement | 4073.00 | SY | 766 | 48,557 | 22,081 | 165,469 | 0 | 236,108 | 57.97 | |
| 02.01.39.10. Sidewalk | | | | | | | | | | | |
| USR AA < 613 0876 > | Sidewalk Forms | 2056.00 | SF | 189 | 8,759 | 2,383 | 2.36 | 0 | 15,995 | 7.78 | |
| USR ST < 613 0876 > | Sidewalk Reinforcing Mesh | 3.00 | TON | 54 | 4,889 | 508 | 1534.39 | 0 | 2864.51 | 3873.96 | |

02.01. ROADS, CONSTRUCTION ACTIVITIES

 QUANTY UOM MANHOUR LABOR EQUIPMT MATERIAL OTHER TOTAL COST UNIT COST

| | | | | | | | | |
|---------------------------------------|------------|-------|--------|--------|--------|--------|--------|--------|
| USR AA < 613 0876 > Sidewalk Concrete | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | | |
| | 192.00 CY | 77 | 3,206 | 909 | 29,007 | 0 | 33,122 | 172.51 |
| TOTAL Sidewalk | 1732.00 SY | 319 | 16,853 | 3,799 | 40,086 | 0 | 60,738 | 35.07 |

02.01.39.11. Concrete Pedestrian Ramp

| | | | | | | | | |
|----------------------------------------------------|-----------|---------|--------|---------|-------|---------|--------|---------|
| USR AA < 502 0840 > Footing Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | | |
| | 49.00 SF | 8 | 358 | 97 | 116 | 0 | 571 | 11.65 |
| USR ST < 505 0500 > Footing Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | | |
| | 0.32 TON | 6 | 519 | 54 | 661 | 0 | 1,234 | 3873.96 |
| USR AA < 502 0840 > Footing Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | | |
| | 7.00 CY | 2 | 93 | 27 | 1,058 | 0 | 1,178 | 168.22 |
| USR AA < 502 0840 > Wall Forms | 0.28 | 12.78 | 3.48 | 2.36 | 0.00 | 18.62 | | |
| | 406.00 SF | 112 | 5,189 | 1,412 | 958 | 0 | 7,559 | 18.62 |
| USR ST < 505 0500 > Wall Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | | |
| | 0.46 TON | 8 | 741 | 77 | 944 | 0 | 1,763 | 3873.96 |
| USR AA < 502 0840 > Wall Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | | |
| | 10.00 CY | 3 | 134 | 38 | 1,511 | 0 | 1,682 | 168.22 |
| USR ST < 506 0600 > Pedestrian Ornamental Handrail | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | | |
| | 10.00 LF | 3 | 226 | 24 | 878 | 0 | 1,128 | 112.78 |
| USR AA < 613 0876 > Sidewalk Forms | 0.09 | 4.26 | 1.16 | 2.36 | 0.00 | 7.78 | | |
| | 75.00 SF | 7 | 320 | 87 | 177 | 0 | 583 | 7.78 |
| USR ST < 613 0876 > Sidewalk Reinforcing Mesh | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | | |
| | 0.12 TON | 2 | 200 | 21 | 254 | 0 | 475 | 3873.96 |
| USR AA < 613 0876 > Sidewalk Concrete | 0.40 | 16.70 | 4.73 | 151.08 | 0.00 | 172.51 | | |
| | 7.00 CY | 3 | 117 | 33 | 1,058 | 0 | 1,208 | 172.51 |
| TOTAL Concrete Pedestrian Ramp | 62.00 SY | 153 | 7,897 | 1,869 | 7,614 | 0 | 17,379 | 280.31 |

02.01.39.12. Bridge Approach Slab

| | | | | | | | | |
|---------------------------------------------|-----------|---------|--------|---------|--------|---------|--------|---------|
| USR AA < 502 0864 > Slab Edge Forms | 0.22 | 10.22 | 2.78 | 2.36 | 0.00 | 15.37 | | |
| | 150.00 SF | 33 | 1,534 | 417 | 354 | 0 | 2,305 | 15.37 |
| USR ST < 505 0502 > Reinforcing Steel Epoxy | 18.00 | 1204.98 | 125.14 | 1982.90 | 0.00 | 3313.02 | | |
| | 8.04 TON | 145 | 13,102 | 1,361 | 21,561 | 0 | 36,023 | 4480.53 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| USR AA < | 502 0864 > | Approach Slab Concrete | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------|------------|--------------------------------|----------------------------------|-----|---------|---------|---------|----------|----------|------------|-----------|
| | | | 134.00 | CY | 0.80 | 33.39 | 9.47 | 151.08 | 0.00 | 193.94 | 193.94 |
| | | | | | 107 | 4,474 | 1,269 | 20,245 | 0 | 25,988 | 193.94 |
| TOTAL Bridge Approach Slab | | | 134.00 | CY | 285 | 19,110 | 3,047 | 42,159 | 0 | 64,316 | 479.97 |
| TOTAL APPROACH ROADWAY | | | 1.00 | JOB | 9,655 | 551,214 | 171,048 | 780,942 | 42,270 | 1,545,474 | 1545474 |
| 02.01.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | | |
| 02.01.99.01. General Conditions | | | | | | | | | | | |
| M | USR AA < | 629 0100 > | 1-Temp Office Trailer 32' X 8' | | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | 990.00 |
| | | | | | 28.00 | MO | 0 | 27,720 | 0 | 27,720 | 990.00 |
| M | USR AA < | 629 0100 > | 2-Temp Const Stor. Van 16 X 8 | | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | 150.00 |
| | | | | | 56.00 | MO | 0 | 8,400 | 0 | 8,400 | 150.00 |
| M | USR AA < | 629 0100 > | Toilet Portable Chemical | | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | 180.00 |
| | | | | | 28.00 | MO | 0 | 5,040 | 0 | 5,040 | 180.00 |
| USR AA < | 629 0100 > | Office Supply | | | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | 306.88 |
| | | | | | 28.00 | MO | 0 | 8,593 | 0 | 8,593 | 306.88 |
| USR AA < | 629 0100 > | Schedule Updates | | | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | 337.11 |
| | | | | | 28.00 | MO | 0 | 4,928 | 3,024 | 1,487 | 9,439 |
| USR AA < | 629 0100 > | Temp. Utilities Usage | | | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | 1100.00 |
| | | | | | 28.00 | MON | 0 | 0 | 30,800 | 30,800 | 1100.00 |
| USR AA < | 629 0100 > | Site Debris Clean-Up & Removal | | | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | 595.90 |
| | | | | | 7.00 | MO | 62 | 2,806 | 1,365 | 4,171 | 595.90 |
| M | USR AA < | 629 0100 > | Field Surveying Service | | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | 18600.00 |
| | | | | | 4.20 | MON | 0 | 0 | 78,120 | 78,120 | 18600.00 |
| M | USR AA < | 629 0100 > | 2-Flag Person - Traffic Control | | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | 5016.00 |
| | | | | | 18.20 | MON | 0 | 91,291 | 0 | 91,291 | 5016.00 |
| L | USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 2100.00 | HR | 0 | 36,505 | 0 | 36,505 | 17.38 |
| M | USR AA < | 629 0100 > | Program Manager | | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | 130.90 |
| | | | | | 560.00 | HRS | 0 | 73,304 | 0 | 73,304 | 130.90 |
| L | USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 560.00 | HR | 0 | 9,735 | 0 | 9,735 | 17.38 |
| M | USR AA < | 629 0100 > | Project Manager | | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 95.70 |
| | | | | | 3500.00 | HRS | 0 | 334,950 | 0 | 334,950 | 95.70 |

02.01. ROADS, CONSTRUCTION ACTIVITIES

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|---------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3500.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 60,842 | 0 | 0 | 60,842 | 17.38 |
| USR AA < 629 0100 > Clerk\Secretary | 2333.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 38.50 |
| | | | | 89,821 | 0 | 0 | 0 | 89,821 | 38.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 2333.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 40,555 | 0 | 0 | 40,555 | 17.38 |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 4667.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 88.00 |
| | | | | 410,696 | 0 | 0 | 0 | 410,696 | 88.00 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4667.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 81,128 | 0 | 0 | 81,128 | 17.38 |
| USR AA < 629 0100 > Safety & Health Person | 4200.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 |
| | | | | 300,300 | 0 | 0 | 0 | 300,300 | 71.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4200.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 73,010 | 0 | 0 | 73,010 | 17.38 |
| M USR AA < 629 0100 > QC Engineers, Includes: | 4200.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 |
| | | | | 346,500 | 0 | 0 | 0 | 346,500 | 82.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4200.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 73,010 | 0 | 0 | 73,010 | 17.38 |
| USR AA < 629 0100 > QA Engineer | 3267.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 |
| | | | | 260,543 | 0 | 0 | 0 | 260,543 | 79.75 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3267.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 56,791 | 0 | 0 | 56,791 | 17.38 |
| TOTAL General Conditions | 28.00 | MO | 62 | 1,915,139 | 477,125 | 10,080 | 108,920 | 2,511,264 | 89687.99 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 62 | 1,915,139 | 477,125 | 10,080 | 108,920 | 2,511,264 | 2511264 |
| TOTAL ROADS, CONSTRUCTION ACTIVITIES | 1.00 | JOB | 34,139 | 3,855,260 | 1,063,900 | 2,926,276 | 2,313,693 | 10,159,129 | 10159129 |

| 02.03. CEMETERY, UTILITIES & STRUCTURES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|------------|----------------------------------|-----------|---------|-------|----------|----------|---------|------------|-----------|
| 02.03. CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18. UTILITIES | | | | | | | | | | |
| 02.03.18.01. Remove & Relocate Utilities | | | | | | | | | | |
| USR UT < | 609 XXXX > | Temp Relocate Water Line 6" | | 0.00 | 0.00 | 0.00 | 0.00 | 94.00 | 94.00 | |
| | | | 70.00 LF | 0 | 0 | 0 | 0 | 9,312 | 9,312 | 133.03 |
| USR UT < | 609 XXXX > | Permanent Water Line 6" | | 0.00 | 0.00 | 0.00 | 0.00 | 75.00 | 75.00 | |
| | | | 70.00 LF | 0 | 0 | 0 | 0 | 7,430 | 7,430 | 106.14 |
| USR UT < | 609 XXXX > | Temp Relocate Water Line 8" | | 0.00 | 0.00 | 0.00 | 0.00 | 125.00 | 125.00 | |
| | | | 170.00 LF | 0 | 0 | 0 | 0 | 30,074 | 30,074 | 176.90 |
| USR UT < | 609 XXXX > | Permanent Water Line 8" | | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | |
| | | | 170.00 LF | 0 | 0 | 0 | 0 | 24,059 | 24,059 | 141.52 |
| USR UT < | 609 XXXX > | Temp Relocate Water Line 10" | | 0.00 | 0.00 | 0.00 | 0.00 | 156.00 | 156.00 | |
| | | | 185.00 LF | 0 | 0 | 0 | 0 | 40,844 | 40,844 | 220.78 |
| USR UT < | 609 XXXX > | Temp Relocate Water Valve 10" | | 0.00 | 0.00 | 0.00 | 0.00 | 460.00 | 460.00 | |
| | | | 5.00 EA | 0 | 0 | 0 | 0 | 3,255 | 3,255 | 651.01 |
| USR UT < | 609 XXXX > | Permanent Water Line 10" | | 0.00 | 0.00 | 0.00 | 0.00 | 125.00 | 125.00 | |
| | | | 185.00 LF | 0 | 0 | 0 | 0 | 32,727 | 32,727 | 176.90 |
| USR UT < | 609 XXXX > | Permanent Water Valve 10" | | 0.00 | 0.00 | 0.00 | 0.00 | 370.00 | 370.00 | |
| | | | 5.00 EA | 0 | 0 | 0 | 0 | 2,618 | 2,618 | 523.64 |
| USR UT < | 609 XXXX > | Temp Relocate Water Manhole | | 0.00 | 0.00 | 0.00 | 0.00 | 3500.00 | 3500.00 | |
| | | | 5.00 EA | 0 | 0 | 0 | 0 | 24,767 | 24,767 | 4953.31 |
| USR UT < | 609 XXXX > | Permanent Water Manhole | | 0.00 | 0.00 | 0.00 | 0.00 | 2800.00 | 2800.00 | |
| | | | 5.00 EA | 0 | 0 | 0 | 0 | 19,813 | 19,813 | 3962.65 |
| USR UT < | 609 XXXX > | Temp Relocate Fire Hydrant | | 0.00 | 0.00 | 0.00 | 0.00 | 750.00 | 750.00 | |
| | | | 2.00 EA | 0 | 0 | 0 | 0 | 2,123 | 2,123 | 1061.42 |
| USR UT < | 609 XXXX > | Permanenet Fire Hydrant | | 0.00 | 0.00 | 0.00 | 0.00 | 600.00 | 600.00 | |
| | | | 1.00 EA | 0 | 0 | 0 | 0 | 849 | 849 | 849.14 |
| USR UT < | 609 XXXX > | Temp Relocation Gas Line 4" | | 0.00 | 0.00 | 0.00 | 0.00 | 128.00 | 128.00 | |
| | | | 65.00 LF | 0 | 0 | 0 | 0 | 11,775 | 11,775 | 181.15 |
| USR UT < | 609 XXXX > | Permanent Gas Line 4" | | 0.00 | 0.00 | 0.00 | 0.00 | 103.00 | 103.00 | |
| | | | 65.00 LF | 0 | 0 | 0 | 0 | 9,475 | 9,475 | 145.77 |
| USR EL < | 609 XXXX > | Temp Relocat U/G Electric 2 x 2" | | 0.00 | 0.00 | 0.00 | 0.00 | 43.00 | 43.00 | |
| | | | 130.00 LF | 0 | 0 | 0 | 0 | 7,303 | 7,303 | 56.17 |

| 02.03. CEMETERY, UTILITIES & STRUCTURES | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|---------------------------------------------|--------|-----|---------|---------|----------|----------|----------|------------|-----------|
| USR UT < | 609 XXXX > Temp Relocate Power Manhole | 2.00 | EA | 0.00 | 0.00 | 0.00 | 0.00 | 18750.00 | 18750.00 | |
| | | | | | 0 | 0 | 0 | 53,071 | 53,071 | 26535.60 |
| USR EL < | 609 XXXX > Relocate U/G Electric 2 x 2" | 130.00 | LF | 0.00 | 0.00 | 0.00 | 0.00 | 34.00 | 34.00 | 44.42 |
| | | | | | 0 | 0 | 0 | 5,774 | 5,774 | |
| USR UT < | 609 XXXX > Relocate Power Manhole | 2.00 | EA | 0.00 | 0.00 | 0.00 | 0.00 | 15000.00 | 15000.00 | |
| | | | | | 0 | 0 | 0 | 42,457 | 42,457 | 21228.48 |
| TOTAL Remove & Relocate Utilities | | | | | | | | | | |
| | | 1.00 | EA | 0 | 0 | 0 | 0 | 327,725 | 327,725 | 327725.27 |
| TOTAL UTILITIES | | | | | | | | | | |
| | | 1.00 | JOB | 0 | 0 | 0 | 0 | 327,725 | 327,725 | 327725.27 |
| 02.03.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01. General Conditions | | | | | | | | | | |
| M USR AA < | 629 0100 > 1-Temp Office Trailer 32' X 8' | 1.50 | MO | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | 990.00 |
| | | | | | 0 | 1,485 | 0 | 0 | 1,485 | 990.00 |
| M USR AA < | 629 0100 > 2-Temp Const Stor. Van 16 X 8 | 3.00 | MO | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | 150.00 |
| | | | | | 0 | 450 | 0 | 0 | 450 | 150.00 |
| M USR AA < | 629 0100 > Toilet Portable Chemical | 1.50 | MO | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | 180.00 |
| | | | | | 0 | 270 | 0 | 0 | 270 | 180.00 |
| USR AA < | 629 0100 > Office Supply | 1.50 | MO | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | 306.88 |
| | | | | | 0 | 0 | 460 | 0 | 460 | 306.88 |
| USR AA < | 629 0100 > Schedule Updates | 1.50 | MO | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | 337.11 |
| | | | | | 0 | 162 | 80 | 0 | 506 | 337.11 |
| USR AA < | 629 0100 > Temp. Utilities Usage | 1.50 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | 1100.00 |
| | | | | | 0 | 0 | 0 | 1,650 | 1,650 | 1100.00 |
| USR AA < | 629 0100 > Site Debris Clean-Up & Removal | 0.38 | MO | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | 595.90 |
| | | | | | 3 | 73 | 0 | 0 | 223 | 595.90 |
| M USR AA < | 629 0100 > Field Surveying Service | 0.23 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | 18600.00 |
| | | | | | 0 | 0 | 0 | 4,185 | 4,185 | 18600.00 |
| M USR AA < | 629 0100 > 2-Flag Person - Traffic Control | 0.98 | MON | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | 5016.00 |
| | | | | | 0 | 4,891 | 0 | 0 | 4,891 | 5016.00 |
| L USR AA < | 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 113.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 0 | 1,964 | 0 | 0 | 1,964 | 17.38 |
| M USR AA < | 629 0100 > Program Manager | 30.00 | HRS | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | 130.90 |
| | | | | | 0 | 3,927 | 0 | 0 | 3,927 | 130.90 |

02.03. CEMETERY, UTILITIES & STRUCTURES

| QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST | |
|----------------------------------------|------------|----------------------------------|----------|----------|-----------|-----------|------------|-----------|------------|
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 | |
| | 30.00 HR | | 0 | 0 | 521 | 0 | 521 | 17.38 | |
| M USR AA < | 629 0100 > | Project Manager | 0.00 | 95.70 | 0.00 | 0.00 | 95.70 | 95.70 | |
| | 188.00 HRS | | 0 | 17,992 | 0 | 0 | 17,992 | 17,992 | |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 | |
| | 188.00 HR | | 0 | 0 | 3,268 | 0 | 3,268 | 17.38 | |
| USR AA < | 629 0100 > | Clerk\Secretary | 0.00 | 38.50 | 0.00 | 0.00 | 38.50 | 38.50 | |
| | 125.00 HRS | | 0 | 4,813 | 0 | 0 | 4,813 | 4,813 | |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 | |
| | 125.00 HR | | 0 | 0 | 2,173 | 0 | 2,173 | 17.38 | |
| USR AA < | 629 0100 > | Site Super/Engin./Disturb.Coord. | 0.00 | 88.00 | 0.00 | 0.00 | 88.00 | 88.00 | |
| | 250.00 HRS | | 0 | 22,000 | 0 | 0 | 22,000 | 22,000 | |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 | |
| | 250.00 HR | | 0 | 0 | 4,346 | 0 | 4,346 | 17.38 | |
| USR AA < | 629 0100 > | Safety & Health Person | 0.00 | 71.50 | 0.00 | 0.00 | 71.50 | 71.50 | |
| | 225.00 HRS | | 0 | 16,088 | 0 | 0 | 16,088 | 16,088 | |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 | |
| | 225.00 HR | | 0 | 0 | 3,911 | 0 | 3,911 | 17.38 | |
| M USR AA < | 629 0100 > | QC Engineers, Includes: | 0.00 | 82.50 | 0.00 | 0.00 | 82.50 | 82.50 | |
| | 225.00 HRS | | 0 | 18,563 | 0 | 0 | 18,563 | 18,563 | |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 | |
| | 225.00 HR | | 0 | 0 | 3,911 | 0 | 3,911 | 17.38 | |
| USR AA < | 629 0100 > | QA Engineer | 0.00 | 79.75 | 0.00 | 0.00 | 79.75 | 79.75 | |
| | 175.00 HRS | | 0 | 13,956 | 0 | 0 | 13,956 | 13,956 | |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 0.00 | 0.00 | 17.38 | 0.00 | 17.38 | 17.38 | |
| | 175.00 HR | | 0 | 0 | 3,042 | 0 | 3,042 | 17.38 | |
| TOTAL General Conditions | | | 1.50 MO | 3 | 102,642 | 25,577 | 540 | 5,835 | 134,595 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | 1.00 JOB | 3 | 102,642 | 25,577 | 540 | 5,835 | 134,595 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | | | 1.00 JOB | 3 | 102,642 | 25,577 | 540 | 333,560 | 462,320 |
| TOTAL RELOCATIONS | | | 1.00 JOB | 34,142 | 3,957,902 | 1,089,477 | 2,926,816 | 2,647,253 | 10,621,449 |

URS Corporation
 PROJECT RBLS01: LAKE STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 11. LEVEES AND FLOODWALLS

| 11.02. FLOODWALLS | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------------|--------|-----|---------|-------|---------|----------|-------|------------|-----------|
|-------------------|--------|-----|---------|-------|---------|----------|-------|------------|-----------|

| | | | | | | | | | |
|---------------------------|--|--|--|--|--|--|--|--|--|
| 11. LEVEES AND FLOODWALLS | | | | | | | | | |
| 11.02. FLOODWALLS | | | | | | | | | |
| 11.02.02. DRAINAGE | | | | | | | | | |

| | | | | | | | | | |
|----------------------------------------------------|------|-----|-------|---------|--------|---------|------|---------|-----------|
| 11.02.02.01. Wall Drain Outlet & Flapgate 18" | | | | | | | | | |
| USR AA < 603 XXXX > 18" Drain Extension & Flapgate | 2.00 | EA | 59.79 | 3077.50 | 644.71 | 5547.41 | 0.00 | 9269.63 | 9269.63 |
| | | | 120 | 6,155 | 1,289 | 11,095 | 0 | 18,539 | 18,539.63 |
| TOTAL Wall Drain Outlet & Flapgate 18" | 2.00 | EA | 120 | 6,155 | 1,289 | 11,095 | 0 | 18,539 | 9269.63 |
| TOTAL DRAINAGE | 1.00 | JOB | 120 | 6,155 | 1,289 | 11,095 | 0 | 18,539 | 18539.25 |

| | | | | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|--|--|
| 11.02.03. CARE & DIVERSION OF WATER | | | | | | | | | |
| 11.02.03.01. Low Profile Cofferdam | | | | | | | | | |

| | | | | | | | | | |
|------------------------------------------------------|--------|----|------|-------|-------|-------|------|--------|-------|
| USR AA < 637 XXXX > Jersey Barrier Cofferdam | 160.00 | LF | 0.50 | 26.71 | 4.24 | 14.32 | 0.00 | 45.26 | 45.26 |
| | | | 80 | 4,273 | 678 | 2,291 | 0 | 7,242 | 7,242 |
| USR AA < 637 XXXX > Remove Cofferdam | 160.00 | LF | 0.25 | 13.35 | 2.12 | 0.00 | 0.00 | 15.48 | 15.48 |
| | | | 40 | 2,137 | 340 | 0 | 0 | 2,476 | 2,476 |
| USR AA < 637 XXXX > Load & Haul to Disposal Sandbags | 12.00 | CY | 0.08 | 4.60 | 4.32 | 19.52 | 0.00 | 28.44 | 28.44 |
| | | | 1 | 55 | 52 | 234 | 0 | 341 | 341 |
| TOTAL Low Profile Cofferdam | 160.00 | LF | 121 | 6,465 | 1,069 | 2,525 | 0 | 10,060 | 62.87 |

| | | | | | | | | | |
|----------------------------------------------------|--------|----|-------|--------|-------|--------|---------|---------|---------|
| 11.02.03.02. Dewatering Cofferdam | | | | | | | | | |
| USR AA < 637 XXXX > Dewatering & Water Treatment | 160.00 | LF | 11.62 | 456.67 | 21.62 | 624.91 | 0.00 | 1103.20 | 1103.20 |
| | | | 1,859 | 73,066 | 3,460 | 99,986 | 0 | 176,512 | 1103.20 |
| USR AA < 637 XXXX > Treatment & Discharge of Water | 268.00 | MG | 0.00 | 0.00 | 0.00 | 0.00 | 1650.00 | 1650.00 | 1650.00 |
| | | | 0 | 0 | 0 | 0 | 442,200 | 442,200 | 1650.00 |
| TOTAL Dewatering Cofferdam | 160.00 | LF | 1,859 | 73,066 | 3,460 | 99,986 | 442,200 | 618,712 | 3866.95 |

| | | | | | | | | | |
|----------------------------------|------|-----|-------|--------|-------|---------|---------|---------|-----------|
| TOTAL CARE & DIVERSION OF WATER | 1.00 | JOB | 1,980 | 79,531 | 4,529 | 102,511 | 442,200 | 628,771 | 628771.34 |
| 11.02.05. FLOODWALL CONSTRUCTION | | | | | | | | | |

| | | | | | | | | | |
|-------------------------------------------------------|--------|----|------|------|------|------|---------|---------|---------|
| 11.02.05.01. Removal of Flood Walls | | | | | | | | | |
| USR AA < 202 1072 > Retaining Wall Remove & Stabilize | 160.00 | LF | 0.00 | 0.00 | 0.00 | 0.00 | 2247.00 | 2247.00 | 2247.00 |
| | | | 0 | 0 | 0 | 0 | 359,520 | 359,520 | 2247.00 |

URS Corporation
 PROJECT RBL01: LAKE STREET BRIDGE REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 11. LEVEES AND FLOODWALLS

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------------|------------|--------------------------------|---------|---------|--------|----------|----------|---------|------------|-----------|
| TOTAL Removal of Flood Walls | | 160.00 | LF | 0 | 0 | 0 | 0 | 359,520 | 359,520 | 2247.00 |
| 11.02.05.02. Flood Walls | | | | | | | | | | |
| USR AA < | 502 0840 > | Footing Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | 11.65 | |
| | | | 3537.00 | 25,831 | 7,027 | 8,349 | 0 | 41,208 | 41,208 | 11.65 |
| USR ST < | 505 0500 > | Footing Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 | |
| | | | 544 | 49,250 | 5,114 | 62,713 | 0 | 117,078 | 117,078 | 3873.96 |
| USR AA < | 502 0840 > | Footing Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 | |
| | | | 393.00 | 5,249 | 1,488 | 59,374 | 0 | 66,111 | 66,111 | 168.22 |
| USR AA < | 502 0840 > | Wall Forms | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | 11.65 | |
| | | | 9512.00 | 69,466 | 18,899 | 22,454 | 0 | 110,819 | 110,819 | 11.65 |
| USR ST < | 505 0500 > | Wall Reinforcing Steel | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | 2864.51 | |
| | | | 502 | 45,408 | 4,715 | 57,821 | 0 | 107,944 | 107,944 | 3873.96 |
| USR AA < | 502 0840 > | Wall Concrete | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | 168.22 | |
| | | | 360.00 | 4,808 | 1,363 | 54,388 | 0 | 60,560 | 60,560 | 168.22 |
| USR ST < | 506 0600 > | Pedestrian Ornamental Handrail | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | 83.39 | |
| | | | 160.00 | 3,621 | 376 | 14,047 | 0 | 18,044 | 18,044 | 112.78 |
| TOTAL Flood Walls | | | 4640.00 | 203,634 | 38,984 | 279,147 | 0 | 521,764 | 521,764 | 112.45 |
| 11.02.05.03. Structure Excavation | | | | | | | | | | |
| USR AA < | 206 0500 > | Structural Excavation | 0.52 | 22.27 | 18.28 | 0.00 | 0.00 | 40.55 | 40.55 | |
| | | | 3171.00 | 70,607 | 57,978 | 0 | 0 | 128,584 | 128,584 | 40.55 |
| TOTAL Structure Excavation | | | 3171.00 | 70,607 | 57,978 | 0 | 0 | 128,584 | 128,584 | 40.55 |
| 11.02.05.04. Granular Backfill | | | | | | | | | | |
| USR AA < | 207 2004 > | Granular Backfill | 0.25 | 10.74 | 8.82 | 24.08 | 0.00 | 43.63 | 43.63 | |
| | | | 278.00 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 12,129 | 43.63 |
| TOTAL Granular Backfill | | | 3105.00 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 12,129 | 3.91 |
| 11.02.05.05. Struct Excav & Dispos Hazardous | | | | | | | | | | |
| USR AA < | 206 0500 > | Floodwall Excavation Hazardous | 0.70 | 30.06 | 24.68 | 0.00 | 150.00 | 204.74 | 204.74 | |
| | | | 280.00 | 8,417 | 6,911 | 0 | 42,000 | 57,328 | 57,328 | 204.74 |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------|------------|----------------------------------|-----|---------|---------|----------|----------|----------|------------|-----------|
| TOTAL Struct Excav & Dispos Hazardous | | 280.00 | CY | 196 | 8,417 | 6,911 | 0 | 42,000 | 57,328 | 204.74 |
| 11.02.05.06. Struct Excav & Dispos Non-Haz | | | | | | | | | | |
| USR AA < | 206 0500 > | Floodwall Excavation Non-Haz | | 0.70 | 30.06 | 24.68 | 0.00 | 35.00 | 89.74 | 89.74 |
| TOTAL Struct Excav & Dispos Non-Haz | | 280.00 | CY | 196 | 8,417 | 6,911 | 0 | 9,800 | 25,128 | 89.74 |
| 11.02.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01. General Conditions | | | | | | | | | | |
| M USR AA < | 629 0100 > | 1-Temp Office Trailer 32' X 8' | | 0.00 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | 990.00 |
| TOTAL FLOODWALL CONSTRUCTION | | 1.00 | JOB | 5,482 | 294,058 | 113,235 | 285,840 | 411,320 | 1,104,454 | 1104454 |
| M USR AA < | 629 0100 > | 2-Temp Const Stor. Van 16 X 8 | | 0.00 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | 150.00 |
| TOTAL FLOODWALL CONSTRUCTION | | 1.00 | JOB | 5,482 | 294,058 | 113,235 | 285,840 | 411,320 | 1,104,454 | 1104454 |
| M USR AA < | 629 0100 > | Toilet Portable Chemical | | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | 180.00 |
| USR AA < | 629 0100 > | Office Supply | | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | 306.88 |
| USR AA < | 629 0100 > | Schedule Updates | | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | 337.11 |
| USR AA < | 629 0100 > | Temp. Utilities Usage | | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | 1100.00 |
| USR AA < | 629 0100 > | Site Debris Clean-Up & Removal | | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | 595.90 |
| M USR AA < | 629 0100 > | Field Surveying Service | | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | 18600.00 |
| M USR AA < | 629 0100 > | 2-Flag Person - Traffic Control | | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | 5016.00 |
| L USR AA < | 629 0100 > | TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| M USR AA < | 629 0100 > | Program Manager | | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | 130.90 |

11.02. FLOODWALLS

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|---------|-----|---------|---------|----------|----------|---------|------------|-----------|
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 130.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 2,260 | 0 | 0 | 2,260 | 17.38 |
| M USR AA < 629 0100 > Project Manager | 813.00 | HRS | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 95.70 |
| | | | | 77,804 | 0 | 0 | 0 | 77,804 | 95.70 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 813.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 14,133 | 0 | 0 | 14,133 | 17.38 |
| USR AA < 629 0100 > Clerk\Secretary | 542.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 38.50 |
| | | | | 20,867 | 0 | 0 | 0 | 20,867 | 38.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 542.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 9,422 | 0 | 0 | 9,422 | 17.38 |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 1083.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 88.00 |
| | | | | 95,304 | 0 | 0 | 0 | 95,304 | 88.00 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1083.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 18,826 | 0 | 0 | 18,826 | 17.38 |
| USR AA < 629 0100 > Safety & Health Person | 975.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 |
| | | | | 69,713 | 0 | 0 | 0 | 69,713 | 71.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 975.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 16,949 | 0 | 0 | 16,949 | 17.38 |
| M USR AA < 629 0100 > QC Engineers, Includes: | 975.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 |
| | | | | 80,438 | 0 | 0 | 0 | 80,438 | 82.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 975.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 16,949 | 0 | 0 | 16,949 | 17.38 |
| USR AA < 629 0100 > QA Engineer | 758.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 |
| | | | | 60,451 | 0 | 0 | 0 | 60,451 | 79.75 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 758.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 13,177 | 0 | 0 | 13,177 | 17.38 |
| TOTAL General Conditions | 6.50 | MO | 14 | 444,581 | 110,771 | 2,340 | 25,285 | 582,977 | 89688.76 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 14 | 444,581 | 110,771 | 2,340 | 25,285 | 582,977 | 582976.94 |
| TOTAL FLOODWALLS | 1.00 | JOB | 7,596 | 824,325 | 229,825 | 401,786 | 878,805 | 2,334,741 | 2334741 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 7,596 | 824,325 | 229,825 | 401,786 | 878,805 | 2,334,741 | 2334741 |

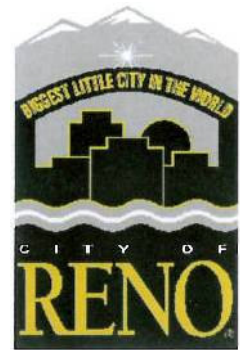
| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|--------|-----|---------|-------|----------|----------|-------|------------|-----------|
| 30. PLANNING, ENGINEERING AND DESIGN | | | | | | | | | |
| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT COOPERATN AGREEMNT (PCA) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.12. PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.18. GENERAL REEVALUATN REPORT (GRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL GENERAL REEVALUATN REPORT (GRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.19. LIMITED REEVALUATN REPORT (LRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LIMITED REEVALUATN REPORT (LRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.20. PROJECT DESING MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT DESING MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.21. FEATURE DESIGN MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL FEATURE DESIGN MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.23. CONSTRUCTION CONTRACT(S) DOCS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION CONTRACT(S) DOCS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.24. VALUE ENGINEERING ANALYSIS DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL VALUE ENGINEERING ANALYSIS DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.25. PROJECT FUNCTIONAL ELEMENT | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT FUNCTIONAL ELEMENT | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.26. PROGRAM & PROJECT MANAGEMT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROGRAM & PROJECT MANAGEMT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PLANNING, ENGINEERING AND DESIGN | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

| 31.12. PROJECT MANAGEMENT PLAN (PMP) | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMENT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|--|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 31. CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.12. PROJECT MANAGEMENT PLAN (PMP) | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 31.23. CONSTRUCTION CONTRACTS | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 31.26. PROGRAM/PROJECT MANAGEMENT DOC | | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT MANAGEMENT PLAN (PMP) | | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION CONTRACTS | | 1.00 | JOB | 41,739 | 4,782,228 | 1,319,302 | 3,328,602 | 3,526,058 | 12,956,190 | 12956190 |
| TOTAL PROGRAM/PROJECT MANAGEMENT DOC | | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

No errors detected...

* * * END OF ERROR REPORT * * *

Reno TRAction Project Locally Preferred Plan Floodwalls

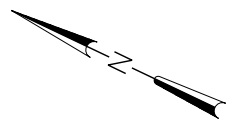
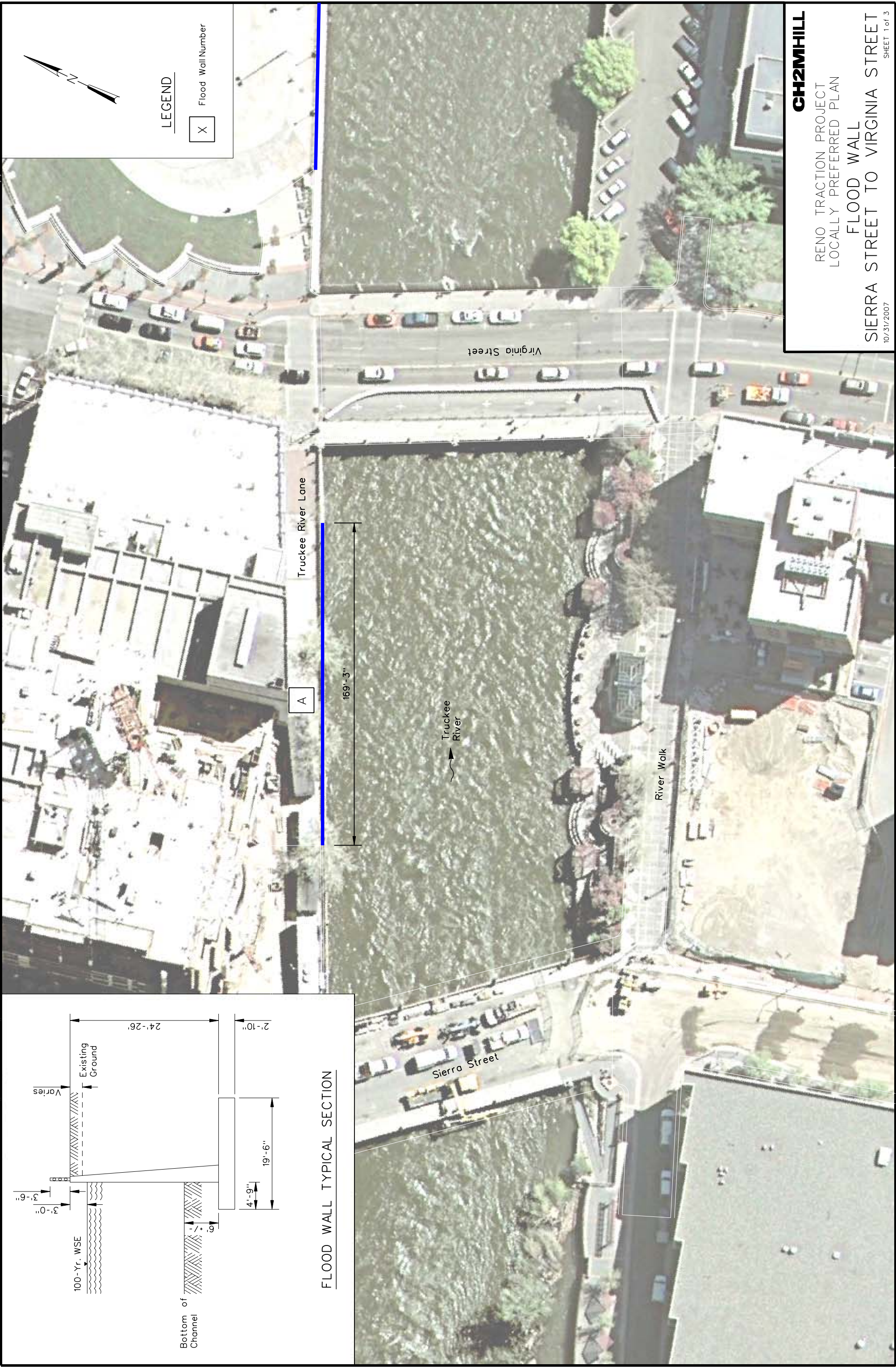


Prepared for
City of Reno

1 East First Street
Reno, NV 89501

October 2007

CH2MHILL
50 West Liberty Street
Suite 205
Reno, NV 89501



LEGEND

X Flood Wall Number

Truckee River Lane

A

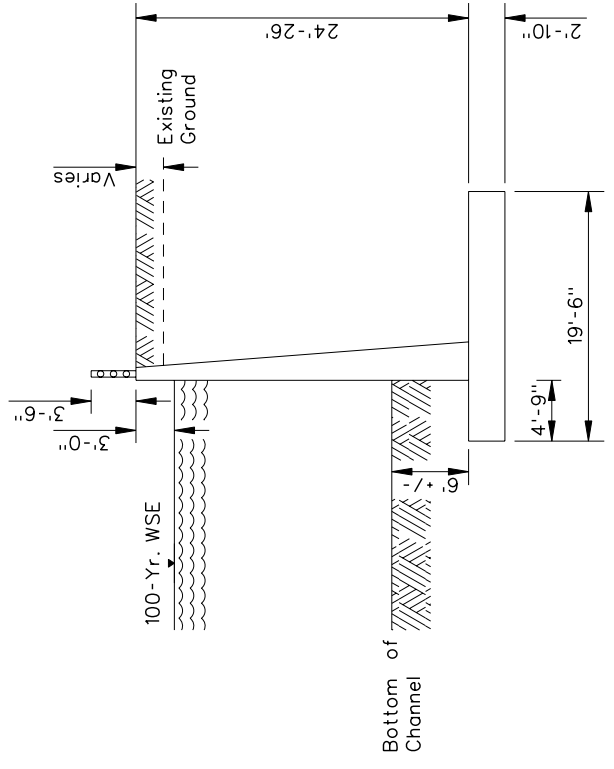
169'-3"

Virginia Street

Truckee River

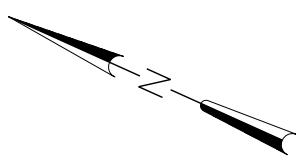
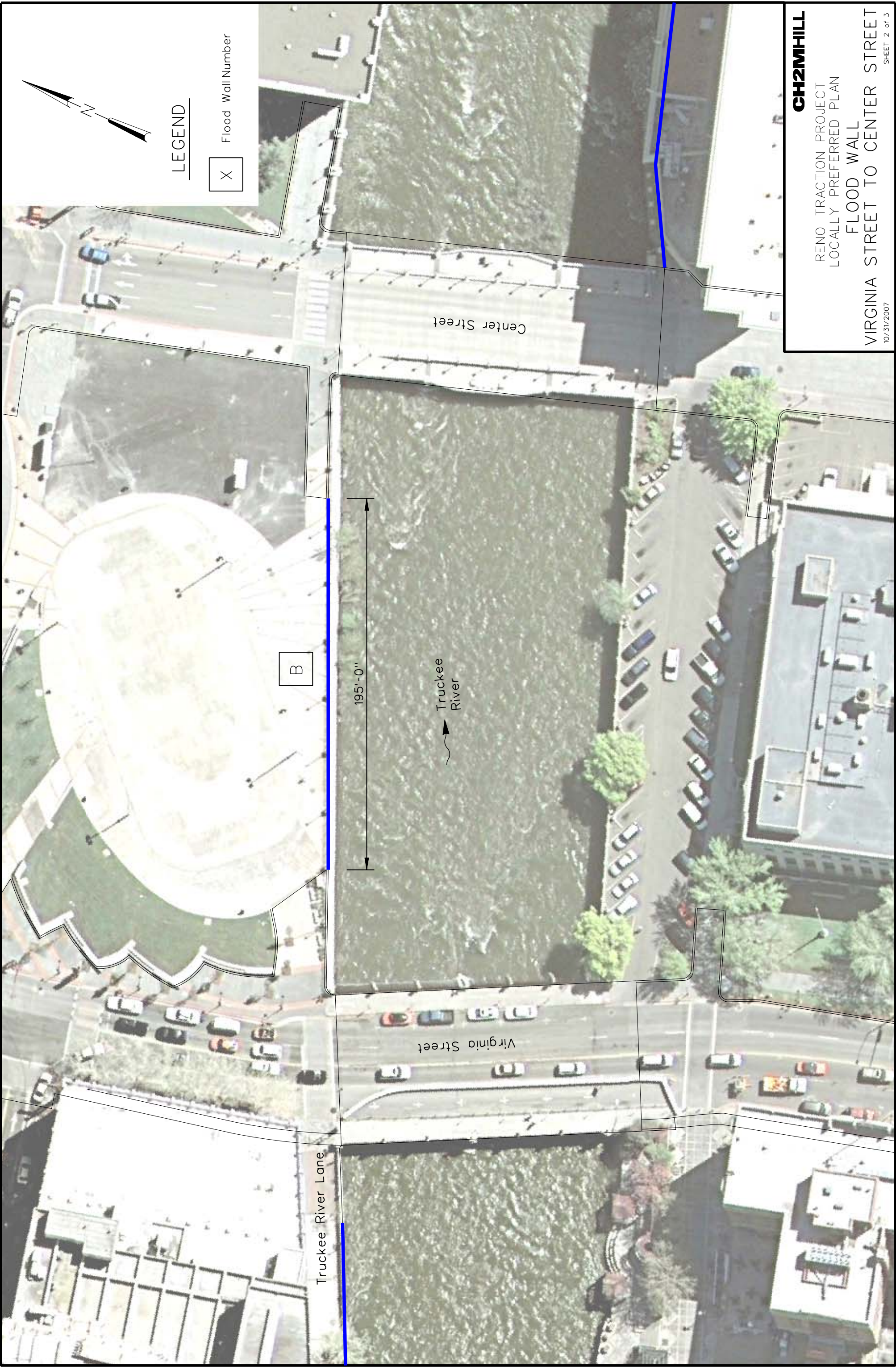
River Walk

Sierra Street

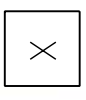


FLOOD WALL TYPICAL SECTION

CH2MHILL
 RENO TRACTION PROJECT
 LOCALLY PREFERRED PLAN
FLOOD WALL
 SIERRA STREET TO VIRGINIA STREET
 10/31/2007 SHEET 1 of 3



LEGEND



Flood Wall Number

CH2MHILL
RENO TRACTION PROJECT
LOCALLY PREFERRED PLAN
FLOOD WALL
VIRGINIA STREET TO CENTER STREET
10/31/2007
SHEET 2 of 3

B

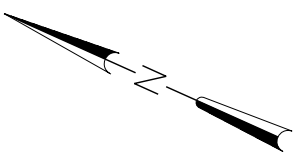
195'-0"

Truckee River

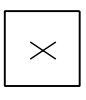
Virginia Street

Center Street

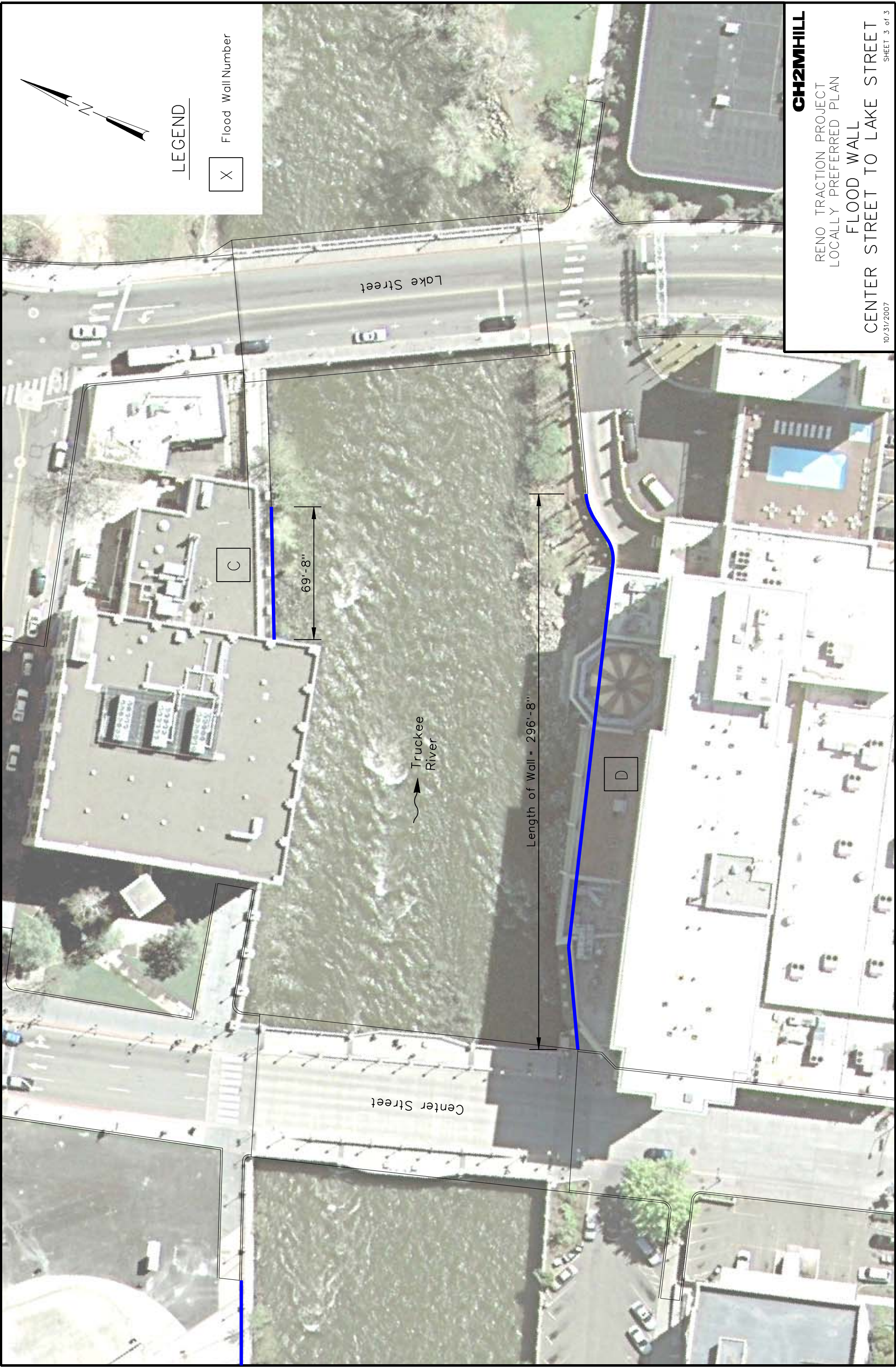
Truckee River Lane



LEGEND



Flood Wall Number



CH2MHILL
RENO TRACTION PROJECT
LOCALLY PREFERRED PLAN
FLOOD WALL
CENTER STREET TO LAKE STREET
10/31/2007

Flood Wall Summary

| Item of Work | Item Number | Units | Quantity | Notes |
|-------------------------------------------------------------|----------------|--------|----------|-------------------------------------|
| | | | | |
| Urban Clearing | 201-0032 | LS | 1 | |
| Removal of Retaining Walls | 202-1072 | LF | 732 | |
| Structure Excavation | 206-2000 | CY | 10,388 | |
| Structure Excavation Contaminated Materials (Hazardous) | 206-XXXX | CY | 917 | |
| Structure Excavation Contaminated Materials (Non-Hazardous) | 206-XXXX | CY | 917 | |
| Granular Backfill | 207-2004 | CY | 10,223 | |
| Landscaping | 212-XXXX | LS | 1 | |
| Class AA Concrete, Modified (Major) | 502-0840 | CY | 2,494 | |
| Reinforcing Steel | 505-0500 | LB | 340,800 | |
| Pedestrian Railing | 506-0600 | Lin Ft | 732 | |
| Drainage | 603-XXXX | LS | 1 | Drainage out of wall and Flap Gates |
| Lighting | 623-XXXX | LS | 1 | High-end Electrollers at 25'cc |
| Relocate Fiber Optics Line | 623-XXXX | Lin Ft | 1,500 | Quote \$1,000,000 |
| Relocate Power Line (work in river required) | 623-XXXX | Lin Ft | 150 | Overhead Powerline |
| Relocate Electrical Vault | 623-XXXX | EA | 1 | |
| Traffic Control | 625-XXXX | LS | 1 | |
| Mobilization | 628-0004 | LS | 1 | |
| River Diversion | 637-XXXX | LS | 1 | |
| Treat Contaminated Groundwater | 637-XXXX | LS | 1 | |
| Relocate Gas Line | 638-XXXX | Lin Ft | 184 | |
| Relocate Gas Line (work in river required) | 638-XXXX | Lin Ft | 50 | |
| Miscellaneous Items | 999-XXXX | LS | 1 | Assume 5% of Project Cost |

| | | |
|--------------------------|----|---|
| Contingency | LS | 1 |
| Preliminary Design | LS | 1 |
| Construction Engineering | LS | 1 |

FLOWWALL REPLACEMENT
RENO TRACTION PROJECT
Locally Preferred Plan
City of Reno, Nevada
Draft Feasibility Cost Estimate

Designed By: CH2M Hill - Reno, NV 36942
Estimated By: Al Meyer - (303) 887-8645

Prepared By: CH2M Hill, Inc.
Reno, Nevada 36942

Preparation Date: 12/04/06
Effective Date of Pricing: 10/01/06
Est Construction Time: 720 Days

Sales Tax: 7.3%

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Release 1.6c

THIS COST ESTIMATE IS TO BE USED FOR FEASIBILITY STUDY PURPOSES ONLY

The purpose of this cost estimate is to develop feasibility cost values for Locally Preferred Plan for floodwall replacements in downtown Reno, Nevada. This feasibility cost estimate includes cost remove and replace the floodwalls and utility relocations. There are four floodwall sections to be replaced in the Locally Preferred Plan. The floodwalls to be replaced are listed below:

- Floodwall A - north side between Sierra and Virginia Street Bridges
- Floodwall B - north side between Viginia and Center Street Bridges
- Floodwall C - north side between Center and Lake Street Bridges
- Floodwall D - south side between Center and Lake Street Bridges

Flood control features include removal existing floodwall sections between the proposed bridges and replacement of the floodwall sections with new structures that provide a higher freeboard.

COST ESTIMATE BASIS

The cost estimate is based on "Reno Traction Project" conceptual drawings and quantity takeoff developed by CH2M Hill.

CONSTRUCTION SCHEDULE

The floodwalls and utility relocations will take approximately 2 to 3 years to construct.

CONSTRUCTION ACCESS

The floodwalls are located in downtown Reno, Nevada. Construction of the floodwalls are along the north and south banks of the Truckee River, between the existing floodwalls and existing buildings. The construction conditions to build the floodwalls in general are very tight. The closing the existing River Walk to pedestrian traffic will be required with alternate pedestrian routing. Pedestrian traffic will be limited during critical construction activities. Night work will more than likely be required to prevent inconvenience to business and tourist travel and during seasonal events.

The construction activities will require supplemental off site laydown areas for the contractors equipment storage, storage and office trailers.

Access for material delivery will be good with paved streets. However, deliveries should be limited to non-peak traffic periods. Storage of material will be very limited at the project site and will require materials be stored off-site.

CONSTRUCTION MEANS & METHODS

Construction means and methods should be standard except that construction equipment size will be limited due narrow access.

ENVIRONMENTAL CONCERNS

A/E experience with construction of the existing Center Street Bridge indicates that contaminated soil and ground water exist on the northside abutment and extends slightly downward angle from the abutment to the bridge center pier. The contractor constructing the Center Street Bridge was issued a change order to remove and dispose of the contaminated soil and to pump, treat and dispose to the POTW contaminated groundwater. This estimate assumes that 15% of all excavated materials are contaminated with the quantity split 50%-50% between Hazardous material and non-hazardous material.

This estimate includes normal environmental protection requirements in addition to the above.

LABOR

Required craft labor is available locally and within a 50 to 60-mile radius. No per diems should be required.

Labor rates used to develop this estimate are based Davis Bacon for Washoe County, Nevada, General Decision Number: NV20070005 26-Oct-07.

MATERIAL PRICES

Material quotes from the Reno area were obtained when possible. Historical costs were used where deemed appropriate, estimator experience and from cost data catalogs.

The cost estimate assumes that borrow sources and disposal Areas require a 15 mile haul for transportation. Disposal fees were provided by Lockwood Regional Landfill (755) 342-0401.

CONSTRUCTION EQUIPMENT

Required construction equipment is available locally and within a 50 to 60-mile radius.

COST ESTIMATE MARKUP STRUCTURE

Owner Cost are excluded from the cost estimate.

Contractor field overhead cost are included in account code 99 Associated General Items for 02 Relocations and 11 Levees and Floodwalls accounts and is therefore not a distributed cost.

Estimate/Design Contingency is included in the prime contractor markup as a distributed cost at 25%.

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No Backup Reports...

| | QUANTITY | UOM | CONTRACT COST | DBS CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|-----------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 7,062,200 | 0 | 0 | 0 | 0 | 0 | 7,062,200 | 7062249 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 14,613,400 | 0 | 0 | 0 | 0 | 0 | 14,613,400 | 14613434 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| TOTAL FLOODWALL REPLACEMENT | 1.00 | JOB | 21,675,700 | 0 | 0 | 0 | 0 | 0 | 21,675,700 | 21675683 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|----------------------------------------------|----------|-----|---------------|---------|----------|----------|----------|------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 Remove & Relocate Utilities | 1.00 | EA | 5,229,600 | 0 | 0 | 0 | 0 | 0 | 5,229,600 | 5229611 |
| TOTAL UTILITIES | 1.00 | JOB | 5,229,600 | 0 | 0 | 0 | 0 | 0 | 5,229,600 | 5229611 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 General Conditions | 14.00 | MO | 1,832,600 | 0 | 0 | 0 | 0 | 0 | 1,832,600 | 130902.74 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 1,832,600 | 0 | 0 | 0 | 0 | 0 | 1,832,600 | 1832638 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | 1.00 | JOB | 7,062,200 | 0 | 0 | 0 | 0 | 0 | 7,062,200 | 7062249 |
| TOTAL RELOCATIONS | 1.00 | JOB | 7,062,200 | 0 | 0 | 0 | 0 | 0 | 7,062,200 | 7062249 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 Wall Drain Outlet & Flapgate 18" | 4.00 | EA | 54,100 | 0 | 0 | 0 | 0 | 0 | 54,100 | 13530.13 |
| TOTAL DRAINAGE | 1.00 | JOB | 54,100 | 0 | 0 | 0 | 0 | 0 | 54,100 | 54120.52 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 Low Profile Cofferdam | 732.00 | LF | 67,100 | 0 | 0 | 0 | 0 | 0 | 67,100 | 91.72 |
| 11.02.03.02 Dewatering Cofferdam | 732.00 | LF | 4,133,800 | 0 | 0 | 0 | 0 | 0 | 4,133,800 | 5647.24 |
| TOTAL CARE & DIVERSION OF WATER | 1.00 | JOB | 4,200,900 | 0 | 0 | 0 | 0 | 0 | 4,200,900 | 4200915 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 Removal of Flood Walls | 732.00 | LF | 2,400,800 | 0 | 0 | 0 | 0 | 0 | 2,400,800 | 3279.77 |
| 11.02.05.02 Flood Walls | 20483.00 | SF | 3,265,400 | 0 | 0 | 0 | 0 | 0 | 3,265,400 | 159.42 |
| 11.02.05.03 Structure Excavation | 10388.00 | CY | 614,800 | 0 | 0 | 0 | 0 | 0 | 614,800 | 59.19 |
| 11.02.05.04 Granular Backfill | 10223.00 | CY | 17,700 | 0 | 0 | 0 | 0 | 0 | 17,700 | 1.73 |

| | QUANTITY | UOM | CONTRACT COST | DES CON | ESCALATN | OWN FURN | CONTINGN | SIOH | TOTAL COST | UNIT COST |
|----------------------------------------|-----------------------|-----------|---------------|---------|-----------|----------|----------|------|------------|-----------|
| 11.02.05.05 | Struct Excav & Dispos | Hazardous | 917.00 | CY | 274,000 | 0 | 0 | 0 | 274,000 | 298.85 |
| 11.02.05.06 | Struct Excav & Dispos | Non-Haz | 917.00 | CY | 120,100 | 0 | 0 | 0 | 120,100 | 130.99 |
| TOTAL FLOODWALL CONSTRUCTION | | | | | | | | | | |
| | 1.00 | JOB | 6,692,900 | | 0 | 0 | 0 | 0 | 6,692,900 | 6692907 |
| 11.02.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01 | General Conditions | | 28.00 | MO | 3,665,500 | 0 | 0 | 0 | 3,665,500 | 130910.38 |
| TOTAL ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| | 1.00 | JOB | 3,665,500 | | 0 | 0 | 0 | 0 | 3,665,500 | 3665491 |
| TOTAL FLOODWALLS | | | | | | | | | | |
| | 1.00 | JOB | 14,613,400 | | 0 | 0 | 0 | 0 | 14,613,400 | 14613434 |
| TOTAL LEVEES AND FLOODWALLS | | | | | | | | | | |
| | 1.00 | JOB | 14,613,400 | | 0 | 0 | 0 | 0 | 14,613,400 | 14613434 |
| 30 PLANNING, ENGINEERING AND DESIGN | | | | | | | | | | |
| 30.26 PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | | | |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | | |
| 31.26 PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | | | |
| TOTAL FLOWWALL REPLACEMENT | | | | | | | | | | |
| | 1.00 | JOB | 21,675,700 | | 0 | 0 | 0 | 0 | 21,675,700 | 21675683 |

| | QUANTITY UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|-----------------------------|--------------|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 JOB | 4,838,400 | 0 | 290,300 | 410,300 | 110,800 | 1,412,400 | 7,062,200 | 7062249 |
| 11 LEVEES AND FLOODWALLS | 1.00 JOB | 10,011,800 | 0 | 600,700 | 849,000 | 229,200 | 2,922,700 | 14,613,400 | 14613434 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | |
| TOTAL FLOODWALL REPLACEMENT | 1.00 JOB | 14,850,200 | 0 | 891,000 | 1,259,300 | 340,000 | 4,335,100 | 21,675,700 | 21675683 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|----------------------------------------------|----------|-----|--------------|----------|----------|---------|---------|-----------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | | |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | | |
| 02.03.18.01 Remove & Relocate Utilities | 1.00 | EA | 3,582,900 | 0 | 215,000 | 303,800 | 82,000 | 1,045,900 | 5,229,600 | 5229611 |
| TOTAL UTILITIES | 1.00 | JOB | 3,582,900 | 0 | 215,000 | 303,800 | 82,000 | 1,045,900 | 5,229,600 | 5229611 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 02.03.99.01 General Conditions | 14.00 | MO | 1,255,600 | 0 | 75,300 | 106,500 | 28,700 | 366,500 | 1,832,600 | 130902.74 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 1,255,600 | 0 | 75,300 | 106,500 | 28,700 | 366,500 | 1,832,600 | 1832638 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | 1.00 | JOB | 4,838,400 | 0 | 290,300 | 410,300 | 110,800 | 1,412,400 | 7,062,200 | 7062249 |
| TOTAL RELOCATIONS | 1.00 | JOB | 4,838,400 | 0 | 290,300 | 410,300 | 110,800 | 1,412,400 | 7,062,200 | 7062249 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | | |
| 11.02.02.01 Wall Drain Outlet & Flapgate 18" | 4.00 | EA | 37,100 | 0 | 2,200 | 3,100 | 800 | 10,800 | 54,100 | 13530.13 |
| TOTAL DRAINAGE | 1.00 | JOB | 37,100 | 0 | 2,200 | 3,100 | 800 | 10,800 | 54,100 | 54120.52 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | | |
| 11.02.03.01 Low Profile Cofferdam | 732.00 | LF | 46,000 | 0 | 2,800 | 3,900 | 1,100 | 13,400 | 67,100 | 91.72 |
| 11.02.03.02 Dewatering Cofferdam | 732.00 | LF | 2,832,100 | 0 | 169,900 | 240,200 | 64,800 | 826,800 | 4,133,800 | 5647.24 |
| TOTAL CARE & DIVERSION OF WATER | 1.00 | JOB | 2,878,100 | 0 | 172,700 | 244,100 | 65,900 | 840,200 | 4,200,900 | 4200915 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | | |
| 11.02.05.01 Removal of Flood Walls | 732.00 | LF | 1,644,800 | 0 | 98,700 | 139,500 | 37,700 | 480,200 | 2,400,800 | 3279.77 |
| 11.02.05.02 Flood Walls | 20483.00 | SF | 2,237,200 | 0 | 134,200 | 189,700 | 51,200 | 653,100 | 3,265,400 | 159.42 |
| 11.02.05.03 Structure Excavation | 10388.00 | CY | 421,200 | 0 | 25,300 | 35,700 | 9,600 | 123,000 | 614,800 | 59.19 |
| 11.02.05.04 Granular Backfill | 10223.00 | CY | 12,100 | 0 | 700 | 1,000 | 300 | 3,500 | 17,700 | 1.73 |

| | QUANTITY | UOM | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|--------------------------------|----------|-----|--------------|----------|----------|-----------|---------|-----------|------------|-----------|
| 11.02.05.05 | 917.00 | CY | 187,700 | 0 | 11,300 | 15,900 | 4,300 | 54,800 | 274,000 | 298.85 |
| 11.02.05.06 | 917.00 | CY | 82,300 | 0 | 4,900 | 7,000 | 1,900 | 24,000 | 120,100 | 130.99 |
| TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 4,585,400 | 0 | 275,100 | 388,800 | 105,000 | 1,338,600 | 6,692,900 | 6692907 |
| 11.02.99 | | | | | | | | | | |
| 11.02.99.01 | 28.00 | MO | 2,511,300 | 0 | 150,700 | 213,000 | 57,500 | 733,100 | 3,665,500 | 130910.38 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 2,511,300 | 0 | 150,700 | 213,000 | 57,500 | 733,100 | 3,665,500 | 3665491 |
| TOTAL FLOODWALLS | 1.00 | JOB | 10,011,800 | 0 | 600,700 | 849,000 | 229,200 | 2,922,700 | 14,613,400 | 14613434 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 10,011,800 | 0 | 600,700 | 849,000 | 229,200 | 2,922,700 | 14,613,400 | 14613434 |
| 30 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 30.26 | | | | | | | | | | |
| 31 | | | | | | | | | | |
| 31.26 | | | | | | | | | | |
| TOTAL FLOWWALL REPLACEMENT | 1.00 | JOB | 14,850,200 | 0 | 891,000 | 1,259,300 | 340,000 | 4,335,100 | 21,675,700 | 21675683 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 02 RELOCATIONS | 1.00 | JOB | 0 | 957,500 | 238,600 | 5,000 | 3,637,300 | 4,838,400 | 4838416 |
| 11 LEVEES AND FLOODWALLS | 1.00 | JOB | 30,900 | 3,466,600 | 908,800 | 1,688,500 | 3,947,900 | 10,011,800 | 10011807 |
| 31 CONSTRUCTION MANAGEMENT | | | | | | | | | |
| TOTAL FLOODWALL REPLACEMENT | 1.00 | JOB | 30,900 | 4,424,100 | 1,147,400 | 1,693,500 | 7,585,200 | 14,850,200 | 14850224 |
| HOME OFFICE OVERHEAD (G & A) | 6.00 | % | | | | | | 891,000 | |
| SUBTOTAL | | | | | | | | 15,741,200 | |
| PROFIT | 8.00 | % | | | | | | 1,259,300 | |
| SUBTOTAL | | | | | | | | 17,000,500 | |
| BOND | 2.00 | % | | | | | | 340,000 | |
| SUBTOTAL | | | | | | | | 17,340,500 | |
| ESTIMATE/DESIGN CONTINGENCY | 25.00 | % | | | | | | 4,335,100 | |
| TOTAL INCL INDIRECTS | | | | | | | | 21,675,700 | |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------------|----------|-----|---------|---------|----------|-----------|-----------|------------|-----------|
| 01 LANDS AND DAMAGES | | | | | | | | | |
| 01.23 PURCHASE RIGHT-OF-WAY | | | | | | | | | |
| 02 RELOCATIONS | | | | | | | | | |
| 02.03 CEMETERY, UTILITIES & STRUCTURES | | | | | | | | | |
| 02.03.18 UTILITIES | | | | | | | | | |
| 02.03.18.01 Remove & Relocate Utilities | 1.00 | EA | 0 | 0 | 0 | 0 | 3,582,900 | 3,582,900 | 3582858 |
| TOTAL UTILITIES | 1.00 | JOB | 0 | 0 | 0 | 0 | 3,582,900 | 3,582,900 | 3582858 |
| 02.03.99 ASSOCIATED GENERAL ITEMS | | | | | | | | | |
| 02.03.99.01 General Conditions | 14.00 | MO | 0 | 957,500 | 238,600 | 5,000 | 54,500 | 1,255,600 | 89682.75 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 0 | 957,500 | 238,600 | 5,000 | 54,500 | 1,255,600 | 1255559 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | 1.00 | JOB | 0 | 957,500 | 238,600 | 5,000 | 3,637,300 | 4,838,400 | 4838416 |
| TOTAL RELOCATIONS | 1.00 | JOB | 0 | 957,500 | 238,600 | 5,000 | 3,637,300 | 4,838,400 | 4838416 |
| 11 LEVEES AND FLOODWALLS | | | | | | | | | |
| 11.02 FLOODWALLS | | | | | | | | | |
| 11.02.02 DRAINAGE | | | | | | | | | |
| 11.02.02.01 Wall Drain Outlet & Flaggate 18" | 4.00 | EA | 200 | 12,300 | 2,600 | 22,200 | 0 | 37,100 | 9269.63 |
| TOTAL DRAINAGE | 1.00 | JOB | 200 | 12,300 | 2,600 | 22,200 | 0 | 37,100 | 37078.50 |
| 11.02.03 CARE & DIVERSION OF WATER | | | | | | | | | |
| 11.02.03.01 Low Profile Cofferdam | 732.00 | LF | 600 | 29,600 | 4,900 | 11,500 | 0 | 46,000 | 62.84 |
| 11.02.03.02 Dewatering Cofferdam | 732.00 | LF | 8,500 | 334,300 | 15,800 | 457,400 | 2,024,600 | 2,832,100 | 3868.98 |
| TOTAL CARE & DIVERSION OF WATER | 1.00 | JOB | 9,100 | 363,900 | 20,700 | 469,000 | 2,024,600 | 2,878,100 | 2878088 |
| 11.02.05 FLOODWALL CONSTRUCTION | | | | | | | | | |
| 11.02.05.01 Removal of Flood Walls | 732.00 | LF | 0 | 0 | 0 | 0 | 1,644,800 | 1,644,800 | 2247.00 |
| 11.02.05.02 Flood Walls | 20483.00 | SF | 14,800 | 885,800 | 170,800 | 1,180,600 | 0 | 2,237,200 | 109.22 |
| 11.02.05.03 Structure Excavation | 10388.00 | CY | 5,400 | 231,300 | 189,900 | 0 | 0 | 421,200 | 40.55 |
| 11.02.05.04 Granular Backfill | 10223.00 | CY | 100 | 3,000 | 2,500 | 6,700 | 0 | 12,100 | 1.19 |

| | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------|-----------------------------------|--------|---------|--------|-----------|-----------|-----------|------------|------------|
| 11.02.05.05 | Struct Excav & Dispos Hazardous | 917.00 | CY | 600 | 27,600 | 22,600 | 0 | 137,600 | 187,700 |
| 11.02.05.06 | Struct Excav & Dispos Non-Haz | 917.00 | CY | 600 | 27,600 | 22,600 | 0 | 32,100 | 82,300 |
| | TOTAL FLOODWALL CONSTRUCTION | 1.00 | JOB | 21,500 | 1,175,300 | 408,400 | 1,187,300 | 1,814,400 | 4,585,400 |
| | 11.02.99 ASSOCIATED GENERAL ITEMS | | | | | | | | |
| 11.02.99.01 | General Conditions | 28.00 | MO | 100 | 1,915,100 | 477,100 | 10,100 | 108,900 | 2,511,300 |
| | TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 100 | 1,915,100 | 477,100 | 10,100 | 108,900 | 2,511,300 |
| | TOTAL FLOODWALLS | 1.00 | JOB | 30,900 | 3,466,600 | 908,800 | 1,688,500 | 3,947,900 | 10,011,800 |
| | TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 30,900 | 3,466,600 | 908,800 | 1,688,500 | 3,947,900 | 10,011,800 |
| 30 | PLANNING, ENGINEERING AND DESIGN | | | | | | | | |
| 30.26 | PROGRAM & PROJECT MANAGEMENT DOC | | | | | | | | |
| 31 | CONSTRUCTION MANAGEMENT | | | | | | | | |
| 31.26 | PROGRAM/PROJECT MANAGEMENT DOC | | | | | | | | |
| | TOTAL FLOWWALL REPLACEMENT | 1.00 | JOB | 30,900 | 4,424,100 | 1,147,400 | 1,693,500 | 7,585,200 | 14,850,200 |
| | HOME OFFICE OVERHEAD (G & A) | 6.00 | % | | | | | | 891,000 |
| | SUBTOTAL | | | | | | | | 15,741,200 |
| | PROFIT | 8.00 | % | | | | | | 1,259,300 |
| | SUBTOTAL | | | | | | | | 17,000,500 |
| | BOND | 2.00 | % | | | | | | 340,000 |
| | SUBTOTAL | | | | | | | | 17,340,500 |
| | ESTIMATE/DESIGN CONTINGENCY | 25.00 | % | | | | | | 4,335,100 |
| | TOTAL INCL INDIRECTS | | | | | | | | 21,675,700 |

 QUANTITY UOM MANHOUR LABOR EQUIPMNT MATERIAL OTHER TOTAL COST

01. LANDS AND DAMAGES
 02. RELOCATIONS

| | | | | | | | | | |
|------------------------------------|------|-----|---|---------|---------|-------|-----------|--|-----------|
| AA PRIME CONTRACTOR | | | | | | | | | |
| UT Util.Gas,Water,Sewer - Subcontr | 1.00 | JOB | 0 | 0 | 0 | 0 | 2,531,600 | | 2,531,600 |
| Subtotal Subcontract Work | 1.00 | JOB | 0 | 0 | 0 | 0 | 2,531,600 | | 2,531,600 |
| Subcontracts Incl Indirect | 1.00 | JOB | 0 | 0 | 0 | 0 | 3,582,900 | | 3,582,900 |
| Contractor's Own Work | 1.00 | JOB | 0 | 957,500 | 238,600 | 5,000 | 54,500 | | 1,255,600 |
| AA PRIME CONTRACTOR | 1.00 | JOB | 0 | 957,500 | 238,600 | 5,000 | 3,637,300 | | 4,838,400 |

11. LEVEES AND FLOODWALLS

| | | | | | | | | | |
|-------------------------------------|------|-----|--------|-----------|---------|-----------|-----------|--|------------|
| AA PRIME CONTRACTOR | | | | | | | | | |
| ST Reinforcing/Steel - Subcontractr | 1.00 | JOB | 4,600 | 311,000 | 32,300 | 400,800 | 0 | | 744,100 |
| Subtotal Subcontract Work | 1.00 | JOB | 4,600 | 311,000 | 32,300 | 400,800 | 0 | | 744,100 |
| Subcontracts Incl Indirect | 1.00 | JOB | 4,600 | 420,600 | 43,700 | 542,100 | 0 | | 1,006,300 |
| Contractor's Own Work | 1.00 | JOB | 26,200 | 3,046,000 | 865,200 | 1,146,400 | 3,947,900 | | 9,005,500 |
| AA PRIME CONTRACTOR | 1.00 | JOB | 30,900 | 3,466,600 | 908,800 | 1,688,500 | 3,947,900 | | 10,011,800 |

30. PLANNING, ENGINEERING AND DESIGN
 31. CONSTRUCTION MANAGEMENT

URS Corporation
 PROJECT RBFW01: FLOWWALL REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 ** CONTRACTOR INDIRECT SUMMARY - CONTRACT (Rounded to 100's) **

| | TOTAL DIRECT | FIELD OH | HMOFC/GA | PROFIT | BOND | E&D CON | TOTAL COST | UNIT COST |
|-------------------------------------|--------------|----------|----------|---------|---------|-----------|------------|-----------|
| 01. LANDS AND DAMAGES | | | | | | | | |
| 02. RELOCATIONS | | | | | | | | |
| AA PRIME CONTRACTOR | | | | | | | | |
| UT Util.Gas,Water,Sewer - Subcontr | 2,531,600 | 430,400 | 237,000 | 383,900 | 0 | 0 | 3,582,900 | 3582858 |
| Subtotal Subcontract Work | 2,531,600 | 430,400 | 237,000 | 383,900 | 0 | 0 | 3,582,900 | 3582858 |
| Indirect on Subcontracts | 3,582,900 | 0 | 215,000 | 303,800 | 82,000 | 1,045,900 | 5,229,600 | 5229611 |
| Indirect on Own Work | 1,255,600 | 0 | 75,300 | 106,500 | 28,700 | 366,500 | 1,832,600 | 1832638 |
| AA PRIME CONTRACTOR | 4,838,400 | 0 | 290,300 | 410,300 | 110,800 | 1,412,400 | 7,062,200 | 7062249 |
| 11. LEVEES AND FLOODWALLS | | | | | | | | |
| AA PRIME CONTRACTOR | | | | | | | | |
| ST Reinforcing/Steel - Subcontractr | 744,100 | 111,600 | 42,800 | 107,800 | 0 | 0 | 1,006,300 | 1006324 |
| Subtotal Subcontract Work | 744,100 | 111,600 | 42,800 | 107,800 | 0 | 0 | 1,006,300 | 1006324 |
| Indirect on Subcontracts | 1,006,300 | 0 | 60,400 | 85,300 | 23,000 | 293,800 | 1,468,900 | 1468851 |
| Indirect on Own Work | 9,005,500 | 0 | 540,300 | 763,700 | 206,200 | 2,628,900 | 13,144,600 | 13144583 |
| AA PRIME CONTRACTOR | 10,011,800 | 0 | 600,700 | 849,000 | 229,200 | 2,922,700 | 14,613,400 | 14613434 |

30. PLANNING, ENGINEERING AND DESIGN
 31. CONSTRUCTION MANAGEMENT

| 01.18. GENERAL REEVALUATION REPORT (GRR) | | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------|-----------------------------------|----------|-----|---------|-------|----------|----------|-------|------------|-----------|
| 01. LANDS AND DAMAGES | | | | | | | | | | |
| 01.18. | GENERAL REEVALUATION REPORT (GRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.19. | LIMITED REEVALUATION REPORT (LRR) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.20. | PROJECT DESIGN MEMORANDUM (PDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.21. | FEATURE DESIGN MEMORANDUM (FDM) | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 01.23. | PURCHASE RIGHT-OF-WAY | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LANDS AND DAMAGES | | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

02.03. CEMETERY, UTILITIES & STRUCTURES

02. RELOCATIONS
 02.03. CEMETERY, UTILITIES & STRUCTURES
 02.03.18. UTILITIES

02.03.18.01. Remove & Relocate Utilities

| USR UT | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|------------------------------------------------------|---------|-----|---------|-------|----------|----------|-----------|------------|-----------|
| USR UT < 609 XXXX > Temp Relocation Gas Line 4" | 50.00 | LF | 0 | 0.00 | 0.00 | 0.00 | 145.00 | 145.00 | 145.00 |
| USR UT < 609 XXXX > Permanent Gas Line 4" | 50.00 | LF | 0 | 0.00 | 0.00 | 0 | 10,260 | 10,260 | 205.21 |
| USR UT < 609 XXXX > Temp Relocation Gas Line 4" | 134.00 | LF | 0 | 0.00 | 0.00 | 0.00 | 145.00 | 145.00 | 145.00 |
| USR UT < 609 XXXX > Permanent Gas Line 4" | 134.00 | LF | 0 | 0.00 | 0.00 | 0 | 27,498 | 27,498 | 205.21 |
| USR UT < 609 XXXX > Temp Relocation U/G Elec 3 x 3" | 50.00 | LF | 0 | 0.00 | 0.00 | 0.00 | 321.00 | 321.00 | 321.00 |
| USR UT < 609 XXXX > Permanent U/G Elec 3 x 3" | 50.00 | LF | 0 | 0.00 | 0.00 | 0 | 22,714 | 22,714 | 454.29 |
| USR UT < 609 XXXX > Permanent U/G Elec Manhole | 1.00 | EA | 0 | 0.00 | 0.00 | 0.00 | 255.00 | 255.00 | 360.88 |
| USR UT < 609 XXXX > Temp Relocation U/G Comm 12 x 4" | 1500.00 | LF | 0 | 0.00 | 0.00 | 0 | 15000.00 | 15000.00 | 15000.00 |
| USR UT < 609 XXXX > Permanent U/G Comm 12 x 4" | 1500.00 | LF | 0 | 0.00 | 0.00 | 0 | 21,228 | 21,228 | 21228.48 |
| USR UT < 609 XXXX > Temp Relocation U/G Comm 12 x 4" | 1500.00 | LF | 0 | 0.00 | 0.00 | 0 | 896.00 | 896.00 | 1268.05 |
| USR UT < 609 XXXX > Permanent U/G Comm Manhole | 4.00 | EA | 0 | 0.00 | 0.00 | 0.00 | 672.00 | 672.00 | 951.04 |
| TOTAL Remove & Relocate Utilities | 1.00 | EA | 0 | 0 | 0 | 0 | 3,582,858 | 3,582,858 | 3582858 |
| TOTAL UTILITIES | 1.00 | JOB | 0 | 0 | 0 | 0 | 3,582,858 | 3,582,858 | 3582858 |

02.03.99. ASSOCIATED GENERAL ITEMS

| | | | | | | | | | |
|------------------------------------------------------|-------|----|---|------|--------|------|------|--------|--------|
| M USR AA < 629 0100 > 1-Temp Office Trailer 32' X 8' | 14.00 | MO | 0 | 0.00 | 990.00 | 0.00 | 0.00 | 990.00 | 990.00 |
| M USR AA < 629 0100 > 2-Temp Const Stor. Van 16 X 8 | 28.00 | MO | 0 | 0.00 | 150.00 | 0.00 | 0.00 | 150.00 | 150.00 |

02.03. CEMETERY, UTILITIES & STRUCTURES

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|---------|-----|---------|---------|----------|----------|----------|------------|-----------|
| M USR AA < 629 0100 > Toilet Portable Chemical | 14.00 | MO | 0.00 | 0.00 | 180.00 | 0.00 | 0.00 | 180.00 | 180.00 |
| | | | | 0 | 2,520 | 0 | 0 | 2,520 | 180.00 |
| USR AA < 629 0100 > Office Supply | 14.00 | MO | 0.00 | 0.00 | 0.00 | 306.88 | 0.00 | 306.88 | 306.88 |
| | | | | 0 | 0 | 4,296 | 0 | 4,296 | 306.88 |
| USR AA < 629 0100 > Schedule Updates | 14.00 | MO | 0.00 | 176.00 | 108.00 | 53.11 | 0.00 | 337.11 | 337.11 |
| | | | | 2,464 | 1,512 | 744 | 0 | 4,720 | 337.11 |
| USR AA < 629 0100 > Temp. Utilities Usage | 14.00 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 1100.00 | 1100.00 | 1100.00 |
| | | | | 0 | 0 | 0 | 15,400 | 15,400 | 1100.00 |
| USR AA < 629 0100 > Site Debris Clean-Up & Removal | 3.50 | MO | 8.89 | 400.91 | 194.99 | 0.00 | 0.00 | 595.90 | 595.90 |
| | | | | 31 | 682 | 0 | 0 | 2,086 | 595.90 |
| M USR AA < 629 0100 > Field Surveying Service | 2.10 | MON | 0.00 | 0.00 | 0.00 | 0.00 | 18600.00 | 18600.00 | 18600.00 |
| | | | | 0 | 0 | 0 | 39,060 | 39,060 | 18600.00 |
| M USR AA < 629 0100 > 2-Flag Person - Traffic Control | 9.10 | MON | 0.00 | 5016.00 | 0.00 | 0.00 | 0.00 | 5016.00 | 5016.00 |
| | | | | 0 | 0 | 0 | 0 | 45,646 | 5016.00 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 1050.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 18,252 | 0 | 0 | 18,252 | 17.38 |
| M USR AA < 629 0100 > Program Manager | 280.00 | HRS | 0.00 | 130.90 | 0.00 | 0.00 | 0.00 | 130.90 | 130.90 |
| | | | | 0 | 0 | 0 | 0 | 36,652 | 130.90 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 280.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 4,867 | 0 | 0 | 4,867 | 17.38 |
| M USR AA < 629 0100 > Project Manager | 1750.00 | HRS | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 95.70 |
| | | | | 0 | 167,475 | 0 | 0 | 167,475 | 95.70 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1750.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 30,421 | 0 | 0 | 30,421 | 17.38 |
| USR AA < 629 0100 > Clerk\Secretary | 1167.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 38.50 |
| | | | | 0 | 44,930 | 0 | 0 | 44,930 | 38.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1167.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 20,286 | 0 | 0 | 20,286 | 17.38 |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 2333.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 88.00 |
| | | | | 0 | 205,304 | 0 | 0 | 205,304 | 88.00 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 2333.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 40,555 | 0 | 0 | 40,555 | 17.38 |
| USR AA < 629 0100 > Safety & Health Person | 2100.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 |
| | | | | 0 | 150,150 | 0 | 0 | 150,150 | 71.50 |

02.03. CEMETERY, UTILITIES & STRUCTURES

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|---------|-----|---------|---------|----------|----------|-----------|------------|-----------|
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 2100.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 36,505 | 0 | 0 | 36,505 | 17.38 |
| M USR AA < 629 0100 > QC Engineers, Includes: | 2100.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 |
| | | | | 0 | 173,250 | 0 | 0 | 173,250 | 82.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 2100.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 36,505 | 0 | 0 | 36,505 | 17.38 |
| USR AA < 629 0100 > QA Engineer | 1633.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 |
| | | | | 0 | 130,232 | 0 | 0 | 130,232 | 79.75 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 1633.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | 0 | 28,387 | 0 | 0 | 28,387 | 17.38 |
| TOTAL General Conditions | 14.00 | MO | 31 | 957,505 | 238,554 | 5,040 | 54,460 | 1,255,559 | 89682.75 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 31 | 957,505 | 238,554 | 5,040 | 54,460 | 1,255,559 | 1255559 |
| TOTAL CEMETERY, UTILITIES & STRUCTURES | 1.00 | JOB | 31 | 957,505 | 238,554 | 5,040 | 3,637,318 | 4,838,416 | 4838416 |
| TOTAL RELOCATIONS | 1.00 | JOB | 31 | 957,505 | 238,554 | 5,040 | 3,637,318 | 4,838,416 | 4838416 |

URS Corporation
 PROJECT RBFW01: FLOWWALL REPLACEMENT - RENO TRACTION PROJECT
 Locally Preferred Plan Feasibility Study
 11. LEVEES AND FLOODWALLS

| 11.02. FLOODWALLS | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-------------------------------------------------------|---------|-----|---------|---------|---------|----------|-----------|------------|-----------|
| 11. LEVEES AND FLOODWALLS | | | | | | | | | |
| 11.02. FLOODWALLS | | | | | | | | | |
| 11.02.02. DRAINAGE | | | | | | | | | |
| 11.02.02.01. Wall Drain Outlet & Flapgate 18" | | | | | | | | | |
| USR AA < 603 XXXX > 18" Drain Extension & Flapgate | 4.00 | EA | 59.79 | 3077.50 | 644.71 | 5547.41 | 0.00 | 9269.63 | 9269.63 |
| | | | 239 | 12,310 | 2,579 | 22,190 | 0 | 37,079 | 9269.63 |
| TOTAL Wall Drain Outlet & Flapgate 18" | 4.00 | EA | 239 | 12,310 | 2,579 | 22,190 | 0 | 37,079 | 9269.63 |
| TOTAL DRAINAGE | 1.00 | JOB | 239 | 12,310 | 2,579 | 22,190 | 0 | 37,079 | 37078.50 |
| 11.02.03. CARE & DIVERSION OF WATER | | | | | | | | | |
| 11.02.03.01. Low Profile Cofferdam | | | | | | | | | |
| USR AA < 637 XXXX > Jersey Barrier Cofferdam | 732.00 | LF | 0.50 | 26.71 | 4.24 | 14.32 | 0.00 | 45.26 | 45.26 |
| | | | 366 | 19,550 | 3,101 | 10,480 | 0 | 33,131 | 45.26 |
| USR AA < 637 XXXX > Remove Cofferdam | 732.00 | LF | 0.25 | 13.35 | 2.12 | 0.00 | 0.00 | 15.48 | 15.48 |
| | | | 183 | 9,775 | 1,555 | 0 | 0 | 11,330 | 15.48 |
| USR AA < 637 XXXX > Load & Haul to Disposal Sandbags | 54.00 | CY | 0.08 | 4.60 | 4.32 | 19.52 | 0.00 | 28.44 | 28.44 |
| | | | 4 | 248 | 233 | 1,054 | 0 | 1,536 | 28.44 |
| TOTAL Low Profile Cofferdam | 732.00 | LF | 553 | 29,574 | 4,889 | 11,534 | 0 | 45,997 | 62.84 |
| 11.02.03.02. Dewatering Cofferdam | | | | | | | | | |
| USR AA < 637 XXXX > Dewatering & Water Treatment | 732.00 | LF | 11.62 | 456.67 | 21.62 | 624.91 | 0.00 | 1103.20 | 1103.20 |
| | | | 8,506 | 334,279 | 15,829 | 457,434 | 0 | 807,542 | 1103.20 |
| USR AA < 637 XXXX > Treatment & Discharge of Water | 1227.00 | MG | 0.00 | 0.00 | 0.00 | 0.00 | 1650.00 | 1650.00 | 1650.00 |
| | | | 0 | 0 | 0 | 0 | 2,024,550 | 2,024,550 | 1650.00 |
| TOTAL Dewatering Cofferdam | 732.00 | LF | 8,506 | 334,279 | 15,829 | 457,434 | 2,024,550 | 2,832,092 | 3868.98 |
| TOTAL CARE & DIVERSION OF WATER | 1.00 | JOB | 9,059 | 363,852 | 20,718 | 468,968 | 2,024,550 | 2,878,088 | 2878088 |
| 11.02.05. FLOODWALL CONSTRUCTION | | | | | | | | | |
| 11.02.05.01. Removal of Flood Walls | | | | | | | | | |
| USR AA < 202 1072 > Retaining Wall Remove & Stabilize | 732.00 | LF | 0.00 | 0.00 | 0.00 | 0.00 | 2247.00 | 2247.00 | 2247.00 |
| | | | 0 | 0 | 0 | 0 | 1,644,804 | 1,644,804 | 2247.00 |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|----------------------------------------------|--------------------------------|---------|-----|---------|---------|---------|-----------|-----------|------------|-----------|
| TOTAL Removal of Flood Walls | | 732.00 | LF | 0 | 0 | 0 | 0 | 1,644,804 | 1,644,804 | 2247.00 |
| 11.02.05.02. Flood Walls | | | | | | | | | | |
| USR AA < | 502 0840 > | 15633 | SF | 2,456 | 114,168 | 31,060 | 36,903 | 0 | 182,131 | 11.65 |
| | Footings Forms | | | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | |
| USR ST < | 505 0500 > | 133.58 | TON | 2,404 | 217,677 | 22,605 | 277,183 | 0 | 517,466 | 3873.96 |
| | Footings Reinforcing Steel | | | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | |
| USR AA < | 502 0840 > | 1737.00 | CY | 556 | 23,200 | 6,579 | 262,423 | 0 | 292,202 | 168.22 |
| | Footings Concrete | | | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | |
| USR AA < | 502 0840 > | 41990 | SF | 6,597 | 306,653 | 83,427 | 99,122 | 0 | 489,202 | 11.65 |
| | Wall Forms | | | 0.16 | 7.30 | 1.99 | 2.36 | 0.00 | 11.65 | |
| USR ST < | 505 0500 > | 122.99 | TON | 2,214 | 200,425 | 20,814 | 255,215 | 0 | 476,453 | 3873.96 |
| | Wall Reinforcing Steel | | | 18.00 | 1204.98 | 125.14 | 1534.39 | 0.00 | 2864.51 | |
| USR AA < | 502 0840 > | 1589.00 | CY | 508 | 21,224 | 6,018 | 240,064 | 0 | 267,306 | 168.22 |
| | Wall Concrete | | | 0.32 | 13.36 | 3.79 | 151.08 | 0.00 | 168.22 | |
| USR ST < | 506 0600 > | 110.00 | LF | 28 | 2,490 | 259 | 9,657 | 0 | 12,405 | 112.78 |
| | Pedestrian Ornamental Handrail | | | 0.25 | 16.74 | 1.74 | 64.92 | 0.00 | 83.39 | |
| TOTAL Flood Walls | | 20483 | SF | 14,763 | 885,837 | 170,762 | 1,180,567 | 0 | 2,237,166 | 109.22 |
| 11.02.05.03. Structure Excavation | | | | | | | | | | |
| USR AA < | 206 0500 > | 10388 | CY | 5,386 | 231,304 | 189,931 | 0 | 0 | 421,234 | 40.55 |
| | Structural Excavation | | | 0.52 | 22.27 | 18.28 | 0.00 | 0.00 | 40.55 | |
| TOTAL Structure Excavation | | 10388 | CY | 5,386 | 231,304 | 189,931 | 0 | 0 | 421,234 | 40.55 |
| 11.02.05.04. Granular Backfill | | | | | | | | | | |
| USR AA < | 207 2004 > | 278.00 | CY | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 43.63 |
| | Granular Backfill | | | 0.25 | 10.74 | 8.82 | 24.08 | 0.00 | 43.63 | |
| TOTAL Granular Backfill | | 10223 | CY | 70 | 2,984 | 2,451 | 6,694 | 0 | 12,129 | 1.19 |
| 11.02.05.05. Struct Excav & Dispos Hazardous | | | | | | | | | | |
| USR AA < | 206 0500 > | 917.00 | CY | 642 | 27,565 | 22,634 | 0 | 137,550 | 187,749 | 204.74 |
| | Floodwall Excavation Hazardous | | | 0.70 | 30.06 | 24.68 | 0.00 | 150.00 | 204.74 | |

| 11.02. FLOODWALLS | | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------|---------------------------------------------|---------|-----|---------|-----------|----------|-----------|-----------|------------|-----------|
| TOTAL Struct Excav & Dispos Hazardous | | 917.00 | CY | 642 | 27,565 | 22,634 | 0 | 137,550 | 187,749 | 204.74 |
| 11.02.05.06. Struct Excav & Dispos Non-Haz | | | | | | | | | | |
| USR AA < | 206 0500 > Floodwall Excavation Non-Haz | 0.70 | | 30.06 | 24.68 | 0.00 | 35.00 | 89.74 | | |
| | | 917.00 | CY | 642 | 27,565 | 22,634 | 0 | 32,095 | 82,294 | 89.74 |
| TOTAL Struct Excav & Dispos Non-Haz | | 917.00 | CY | 642 | 27,565 | 22,634 | 0 | 32,095 | 82,294 | 89.74 |
| TOTAL FLOODWALL CONSTRUCTION | | 1.00 | JOB | 21,502 | 1,175,255 | 408,412 | 1,187,261 | 1,814,449 | 4,585,377 | 4585377 |
| 11.02.99. ASSOCIATED GENERAL ITEMS | | | | | | | | | | |
| 11.02.99.01. General Conditions | | | | | | | | | | |
| M USR AA < | 629 0100 > 1-Temp Office Trailer 32' X 8' | 0.00 | | 0.00 | 990.00 | 0.00 | 0.00 | 0.00 | 990.00 | |
| | | 28.00 | MO | 0 | 27,720 | 0 | 0 | 0 | 27,720 | 990.00 |
| M USR AA < | 629 0100 > 2-Temp Const Stor. Van 16 X 8 | 0.00 | | 0.00 | 150.00 | 0.00 | 0.00 | 0.00 | 150.00 | |
| | | 56.00 | MO | 0 | 8,400 | 0 | 0 | 0 | 8,400 | 150.00 |
| M USR AA < | 629 0100 > Toilet Portable Chemical | 0.00 | | 0.00 | 180.00 | 0.00 | 0.00 | 0.00 | 180.00 | |
| | | 28.00 | MO | 0 | 5,040 | 0 | 0 | 0 | 5,040 | 180.00 |
| USR AA < | 629 0100 > Office Supply | 0.00 | | 0.00 | 0.00 | 306.88 | 0.00 | 0.00 | 306.88 | |
| | | 28.00 | MO | 0 | 0 | 8,593 | 0 | 0 | 8,593 | 306.88 |
| USR AA < | 629 0100 > Schedule Updates | 0.00 | | 176.00 | 108.00 | 53.11 | 0.00 | 0.00 | 337.11 | |
| | | 28.00 | MO | 0 | 4,928 | 3,024 | 1,487 | 0 | 9,439 | 337.11 |
| USR AA < | 629 0100 > Temp. Utilities Usage | 0.00 | | 0.00 | 0.00 | 0.00 | 1100.00 | 0.00 | 1100.00 | |
| | | 28.00 | MON | 0 | 0 | 0 | 30,800 | 0 | 30,800 | 1100.00 |
| USR AA < | 629 0100 > Site Debris Clean-Up & Removal | 8.89 | | 400.91 | 194.99 | 0.00 | 0.00 | 0.00 | 595.90 | |
| | | 7.00 | MO | 62 | 2,806 | 1,365 | 0 | 0 | 4,171 | 595.90 |
| M USR AA < | 629 0100 > Field Surveying Service | 0.00 | | 0.00 | 0.00 | 0.00 | 18600.00 | 0.00 | 18600.00 | |
| | | 4.20 | MON | 0 | 0 | 0 | 78,120 | 0 | 78,120 | 18600.00 |
| M USR AA < | 629 0100 > 2-Flag Person - Traffic Control | 0.00 | | 5016.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5016.00 | |
| | | 18.20 | MON | 0 | 91,291 | 0 | 0 | 0 | 91,291 | 5016.00 |
| L USR AA < | 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-2 ea | 0.00 | | 0.00 | 17.38 | 0.00 | 0.00 | 0.00 | 17.38 | |
| | | 2100.00 | HR | 0 | 36,505 | 0 | 0 | 0 | 36,505 | 17.38 |
| M USR AA < | 629 0100 > Program Manager | 0.00 | | 130.90 | 0.00 | 0.00 | 0.00 | 0.00 | 130.90 | |
| | | 560.00 | HRS | 0 | 73,304 | 0 | 0 | 0 | 73,304 | 130.90 |

11.02. FLOODWALLS

| | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|--------------------------------------------------------|---------|-----|---------|-----------|----------|-----------|-----------|------------|-----------|
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 560.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 9,735 | 0 | 0 | 9,735 | 17.38 |
| M USR AA < 629 0100 > Project Manager | 3500.00 | HRS | 0.00 | 95.70 | 0.00 | 0.00 | 0.00 | 95.70 | 95.70 |
| | | | | 334,950 | 0 | 0 | 0 | 334,950 | 95.70 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3500.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 60,842 | 0 | 0 | 60,842 | 17.38 |
| USR AA < 629 0100 > Clerk\Secretary | 2333.00 | HRS | 0.00 | 38.50 | 0.00 | 0.00 | 0.00 | 38.50 | 38.50 |
| | | | | 89,821 | 0 | 0 | 0 | 89,821 | 38.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 2333.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 40,555 | 0 | 0 | 40,555 | 17.38 |
| USR AA < 629 0100 > Site Super/Engin./Disturb.Coord. | 4667.00 | HRS | 0.00 | 88.00 | 0.00 | 0.00 | 0.00 | 88.00 | 88.00 |
| | | | | 410,696 | 0 | 0 | 0 | 410,696 | 88.00 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4667.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 81,128 | 0 | 0 | 81,128 | 17.38 |
| USR AA < 629 0100 > Safety & Health Person | 4200.00 | HRS | 0.00 | 71.50 | 0.00 | 0.00 | 0.00 | 71.50 | 71.50 |
| | | | | 300,300 | 0 | 0 | 0 | 300,300 | 71.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4200.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 73,010 | 0 | 0 | 73,010 | 17.38 |
| M USR AA < 629 0100 > QC Engineers, Includes: | 4200.00 | HRS | 0.00 | 82.50 | 0.00 | 0.00 | 0.00 | 82.50 | 82.50 |
| | | | | 346,500 | 0 | 0 | 0 | 346,500 | 82.50 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 4200.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 73,010 | 0 | 0 | 73,010 | 17.38 |
| USR AA < 629 0100 > QA Engineer | 3267.00 | HRS | 0.00 | 79.75 | 0.00 | 0.00 | 0.00 | 79.75 | 79.75 |
| | | | | 260,543 | 0 | 0 | 0 | 260,543 | 79.75 |
| L USR AA < 629 0100 > TRK,HWY, 8,800GVW,4X4, 3/4T-1 ea | 3267.00 | HR | 0.00 | 0.00 | 17.38 | 0.00 | 0.00 | 17.38 | 17.38 |
| | | | | | 56,791 | 0 | 0 | 56,791 | 17.38 |
| TOTAL General Conditions | 28.00 | MO | 62 | 1,915,139 | 477,125 | 10,080 | 108,920 | 2,511,264 | 89687.99 |
| TOTAL ASSOCIATED GENERAL ITEMS | 1.00 | JOB | 62 | 1,915,139 | 477,125 | 10,080 | 108,920 | 2,511,264 | 2511264 |
| TOTAL FLOODWALLS | 1.00 | JOB | 30,863 | 3,466,556 | 908,833 | 1,688,498 | 3,947,919 | 10,011,807 | 10011807 |
| TOTAL LEVEES AND FLOODWALLS | 1.00 | JOB | 30,863 | 3,466,556 | 908,833 | 1,688,498 | 3,947,919 | 10,011,807 | 10011807 |

| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | QUANTY | UOM | MANHOUR | LABOR | EQUIPMNT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|-----------------------------------------|--------|-----|---------|-------|----------|----------|-------|------------|-----------|
| 30. PLANNING, ENGINEERING AND DESIGN | | | | | | | | | |
| 30.11. PROJECT COOPERATN AGREEMNT (PCA) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT COOPERATN AGREEMNT (PCA) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.12. PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.18. GENERAL REEVALUATN REPORT (GRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL GENERAL REEVALUATN REPORT (GRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.19. LIMITED REEVALUATN REPORT (LRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL LIMITED REEVALUATN REPORT (LRR) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.20. PROJECT DESING MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT DESING MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.21. FEATURE DESIGN MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL FEATURE DESIGN MEMORANDUM | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.23. CONSTRUCTION CONTRACT(S) DOCS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION CONTRACT(S) DOCS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.24. VALUE ENGINEERING ANALYSIS DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL VALUE ENGINEERING ANALYSIS DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.25. PROJECT FUNCTIONAL ELEMENT | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT FUNCTIONAL ELEMENT | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 30.26. PROGRAM & PROJECT MANAGEMT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROGRAM & PROJECT MANAGEMT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PLANNING, ENGINEERING AND DESIGN | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |

| 31.12. PROJECT MANAGEMENT PLAN (PMP) | QUANTITY | UOM | MANHOUR | LABOR | EQUIPMENT | MATERIAL | OTHER | TOTAL COST | UNIT COST |
|---------------------------------------|----------|-----|---------|-----------|-----------|-----------|-----------|------------|-----------|
| 31. CONSTRUCTION MANAGEMENT | | | | | | | | | |
| 31.12. PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROJECT MANAGEMENT PLAN (PMP) | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| 31.23. CONSTRUCTION CONTRACTS | | | | | | | | | |
| 31.26. PROGRAM/PROJECT MANAGEMENT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION CONTRACTS | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL PROGRAM/PROJECT MANAGEMENT DOC | 1.00 | EA | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL CONSTRUCTION MANAGEMENT | 1.00 | JOB | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 |
| TOTAL FLOWWALL REPLACEMENT | 1.00 | JOB | 30,894 | 4,424,061 | 1,147,387 | 1,693,538 | 7,585,237 | 14,850,224 | 14850224 |

No errors detected...

* * * END OF ERROR REPORT * * *