



REGIONAL TRANSPORTATION COMMISSION

Metropolitan Planning • Public Transportation & Operations • Engineering & Construction

Metropolitan Planning Organization of Washoe County, Nevada

January 15, 2021

AGENDA ITEM 4.1

TO: Regional Transportation Commission

FROM: Amy Cummings, AICP/LEED AP
Deputy Executive Director/Director
of Planning

Bill Thomas, AICP
Executive Director

SUBJECT: 2050 Regional Transportation Plan (RTP)

RECOMMENDATION

Receive a report on the 2050 Regional Transportation Plan (RTP) draft project listing and provide direction accordingly.

SUMMARY

The RTC is evaluating projects for consideration in the 2050 Regional Transportation Plan. A virtual public meeting and online survey were open from December 17 through January 14 to gather community feedback regarding the evaluation and prioritization of projects. A discussion with and survey of partner agency staff was conducted through the Technical Advisory Committee and RTP Agency Working Group. Staff is scheduled to seek input from the Sparks City Council, Reno City Council and Washoe County Commission the week of January 11.

The attachment includes the preliminary draft for the 2050 RTP fiscally constrained project listing. Staff is requesting input on this project listing prior to initiating the air quality conformity analysis on these projects. A draft 2050 RTP document will be circulated for review in February, with a final draft anticipated for completion in March.

FISCAL IMPACT

2050 RTP development is included in the Unified Planning Work Program.

PREVIOUS ACTIONS BY BOARD

December 18, 2020 Received a report on the 2050 Regional Transportation Plan (RTP)

November 20, 2020 Received a report on the 2050 Regional Transportation Plan (RTP)

August 20, 2020	Received a report on the 2050 Regional Transportation Plan (RTP) Transportation call for projects and provided direction
June 19, 2020	Approved 2050 RTP Guiding Principles
December 20, 2019	Received report on the 2050 RTP visioning exercise
November 15, 2019	Received report regarding the 2050 RTP public and agency outreach process and schedule
August 17, 2018	Approved Amendment No. 1 to the 2040 RTP
May 21, 2017	Approved 2040 RTP

ADDITIONAL BACKGROUND

The RTC issued a call for projects in an effort to seek agency and public input about projects to consider in the 2050 RTP. The RTC implemented an online survey to seek input from the public on potential new projects, which was open from June 22 through July 20, 2020. RTC is evaluating projects that were suggested for potential inclusion in the plan. The preliminary evaluation of projects, along with safety and traffic congestion data, is attached.

A virtual public meeting was held in November and December for the Downtown Reno Circulation Study, which is a component of the RTP. Staff are currently reviewing and addressing public comments about the proposed safety and mobility improvements in Downtown Reno.

The RTP is the RTC’s long-range transportation plan as required under Title 23, Part 450 of the Code of Federal Regulations (CFR). It contains major transportation projects and programs for Washoe County for all modes of travel. It functions as the major tool for implementing long-range transportation planning. The RTP captures the community’s vision of the transportation system and identifies the projects, programs and services necessary to achieve that vision that will be implemented by RTC, member entities and Nevada Department of Transportation (NDOT).

ADVISORY COMMITTEE(S) RECOMMENDATION

The Citizens Multimodal Advisory Committee and Technical Advisory Committee received a report on the 2050 RTP development process.

Attachment

Preliminary DRAFT 2021-2025 Listing for Discussion

Program	Description	Annual Amount	5 Year Amount
Bicycle, Pedestrian & ADA	Bus stop ADA improvements, other bike/ped spot improvements	\$3,000,000	\$15,000,000
Traffic Signals, ITS Operations & Intersections	3-5 intersection improvements per year	\$10,000,000	\$50,000,000
Pavement Preservation	Preventive & corrective maintenance, reconstruction	\$22,500,000	\$112,500,000
Debt Service		\$23,000,000	\$115,000,000

Projects	Limits	Cost
Freeway		
US 395 Add SB Lane, Aux Lanes, NB & SB	N. McCarran to Golden Valley	\$94,750,000
Spaghetti Bowl Phase 2	Spaghetti Bowl	\$85,000,000
Capacity		
- Construction		
Lemmon Drive Segment 1 Widen 4 to 6 lanes	US 395 and Military Rd	\$22,500,000
Lemmon Drive Segment 2 Widen 2 to 4 lanes/Reconstruct	Fleetwood Dr to Ramsay	\$39,000,000
McCarran Blvd Intersection & Operations	Keitzke to Greensboro	\$10,000,000
Mill Street	Keitzke to Terminal	\$60,000,000
Pyramid Hwy	Queen Way to Golden View	\$54,100,000
Sky Vista Parkway Widen 2 to 4 lanes	Silver Lake Rd to Lemmon Dr	\$15,800,000
Sparks Boulevard	Greg Street to N side of Baring Blvd	\$40,000,000
- Design		
Damonte Ranch Pkwy - Widen	Double R to I 580	\$400,000
Geiger Grade New 4 Lane Rd	Virginia St to Toll Rd	\$5,000,000
North Virginia Street widening	Panther to Stead Blvd	\$5,000,000
Pembroke Dr - Widen	McCarran to Veterans	\$2,000,000
S. Virginia Street - Add NB lane	Longley Ln to I-580	\$2,000,000
Steamboat Pkwy and Damonte Ranch Pkwy - Widen	Veterans Pkwy to Promenade Wy	\$400,000
Privately Constructed Roads (to be added)		
Multimodal		
3rd St Bike Facility	Vine st - Evans St	\$7,500,000
4th Street - Multimodal	Stoker Ave to Evans Ave	\$35,000,000
5th Street - Multimodal	Keystone to Evans	\$8,000,000
Arlington Avenue Replace existing bridges	At Truckee River	\$25,500,000
Center Street Widen sidewalks & add bike lanes	9th Street to Moran	\$10,000,000
E 6th Street Bicycle Facility & Safety Improvements	Virginia St to 4th St	\$6,000,000
Keystone Ave Multimodal Improvements	California to I-80 & Truckee Bridge replacement	\$5,000,000
Moana - Multimodal	Skyline Blvd to Plumas	\$5,600,000
Mt. Rose Highway Improvements	Geiger Grade to Joy Lake Rd	\$10,000,000
Oddie Blvd/Wells Ave Multimodal Improvements	Kuenzli Ln to Pyramid Way	\$36,000,000
S. Virginia Street Multimodal and ADA	Plumb Lane to Meadowood	\$25,900,000
Sun Valley Blvd Multimodal Improvements	7th Ave to Scottsdale	\$36,000,000
Vassar Street Bike Facility	Kietzke Ln to Terminal Way	\$4,300,000
Vine Street Bike Facility	Riverside Drive to University Terrace	\$11,300,000

Preliminary DRAFT 2026-2030 Listing for Discussion

Program	Description	Annual Amount (est)	5 Year Amount
Bicycle, Pedestrian & ADA	Bus stop ADA improvements, other bike/ped spot improvements	\$3,500,000	\$17,500,000
Traffic Signals, ITS Operations & Intersections	3-5 intersection improvements per year	\$11,500,000	\$57,500,000
Pavement Preservation	Preventive & corrective maintenance, reconstruction	\$25,000,000	\$125,000,000
Debt Service		\$23,000,000	\$115,000,000
Projects	Limits	YOE Cost Rounded	
Freeway			
US 395 Additional lane in each direction	Golden Valley to Stead Blvd	\$79,177,000	
US 395 Additional Northbound Lane - Design	Clear Acre to Parr	\$19,115,000	
Spaghetti Bowl Phase 2	Spaghetti Bowl	\$73,088,000	
Capacity			
Buck Dr Widen 2 to 4 lanes	Lemmon Dr to N Hills Blvd	\$1,912,000	
Damonte Ranch Pkwy - Widen	Double R to I 580	\$4,723,000	
Eagle Canyon Extension Widen 2 to 4 lanes - Design	Pyramid Hwy to W Calle de la Plata	\$2,000,000	
Geiger Grade New 4 Lane Rd	Virginia St to Toll Rd	\$84,445,000	
Military Rd Widen 2 to 4 lanes	Lemmon Dr to Echo Ave	\$25,412,000	
Moya Boulevard Widen 2 to 4 lanes	Red Rock Rd to Echo Ave	\$19,678,000	
Moya Boulevard Extension	Lemmon Dr to Echo Ave	\$74,100,000	
N. Hills Blvd	Golden Valley Rd to Buck Dr	\$20,465,000	
N Virginia Street Widen 2-4 lanes & Multimodal	Panther Dr to Stead Blvd	\$43,291,000	
Pembroke Dr - Widen	McCarran to Veterans	\$19,790,000	
Pyramid Hwy/395 Connector Phase 2	Widen Disc Dr from Pyramid to Vista Blvd	\$22,300,000	
Pyramid/395 Connector Phase 3 (Connector) - Design	US 395 to Pyramid Hwy south of Sparks Blvd	\$50,000,000	
Red Rock Rd Widen 2 to 4 lanes	US 395 to Placerville Dr	\$58,246,000	
S. Virginia Street - Add NB lane	Longley Ln to I-580	\$23,613,000	
Sparks Blvd Multimodal Improvements and widen 4 to 6 lanes	Greg St to Baring Blvd	\$44,977,000	
Steamboat Pkwy and Damonte Ranch Pkwy - Widen	Veterans Pkwy to Promenade Wy	\$4,610,000	
Vista Boulevard Widen 4 to 6 lanes	I-80 to Prater Way	\$11,244,000	
White Lake Pkwy - Widen	US 395 to Village Pkwy	\$38,231,000	
Privately Constructed Roads - to be added			
Multimodal			
4th Street Bike lanes (Sparks)	Victorian Ave to Queen Way	\$6,747,000	
4th Street Pedestrian & Safety Improvements (Reno)	Stoker to McCarran	\$20,240,000	
El Rancho Dr / Dandini Blvd Sidewalks	Raggio Pkwy to Sullivan Ln	\$20,690,000	
Greg St Sidewalks and Bike lanes	Mill Street to Vista Blvd	\$29,123,000	
Keystone Ave Multimodal Improvements	California to I-80 & Truckee Bridge replacement	\$61,169,000	
Keystone Ave Sidewalks and Bike Lanes	Coleman Dr to Peavine Rd	\$1,012,000	
McCarran - Pedestrian Improvements	Baring to Pyramid	\$12,594,000	
McCarran Blvd Multimodal & Safety Improvements	Greg to Prater	\$10,682,000	
Mill St/Terminal Way Multimodal Improvements	Airport to downtown Reno	\$27,436,000	
N Virginia St Sidewalks and buffered bike lanes	Panther Dr to McCarran Blvd	\$17,878,000	
NW McCarran Safety and Bike Lanes	4th Street to N Virginia	\$10,570,000	
Rock Blvd Enhanced Sidewalks and Bike Lanes	Victorian Ave to McCarran Blvd	\$7,309,000	
Rock Blvd Sidewalks and bike lanes	Greg St to Glendale Ave	\$3,823,000	
Sierra St Widen Sidewalks	California Ave to 9th St	\$5,060,000	
Sutro - MultiModal	N McCarran to Oddie Blvd	\$8,995,000	

Preliminary DRAFT 2031-2050 Listing for Discussion

Program	Description	Annual Amount (est)	20 Year Amount
Bicycle, Pedestrian & ADA	Bus stop ADA improvements, other bike/ped spot improvements	\$4,570,000	\$91,400,000
Traffic Signals, ITS Operations & Intersections	3-5 intersection improvements per year	\$15,232,000	\$304,640,000
Pavement Preservation	Preventive & corrective maintenance, reconstruction	\$30,000,000	\$600,000,000
Debt Service		\$23,000,000	\$230,000,000
Total		\$57,882,000	\$1,226,040,000
Projects	Limits	YOE Cost Rounded	
Freeway			
Spaghetti Bowl Phases 3-5	Spaghetti Bowl	\$761,602,000	
US 395 Widen for Connector traffic - add'l NB lane	Clear Acre to Parr Blvd	\$248,282,000	
US 395 Widening - Design	Stead to Red Rock Rd	\$53,617,000	
I-580 Widening	Neil Rd to S Virginia St/Kietzke Ln	\$53,617,000	
I-80 Widening	W McCarran Blvd to Keystone Ave	\$60,471,000	
I-80 Widening	Garson Rd to West 4 th St	\$193,295,000	
I-80 Operations & Capacity	Vista Blvd to US Parkway	\$338,532,000	
Capacity			
9th Street Extension	To N Wells Ave	\$3,351,000	
Arrowcreek Pkwy - Widen	Wedge Pkwy to Thomas Creek Rd	\$35,948,000	
Arrowcreek Pkwy Widen 2 to 4 lanes	Wedge Pkwy to Zolezzi Ln	\$12,643,000	
Eagle Canyon Extension Widen 2 to 4 lanes	Pyramid Hwy to W Calle de la Plata	\$14,500,000	
Eagle Canyon Extension New 4 lane road	Lemmon Valley to Spanish Springs	\$213,249,000	
Echo Ave - Extension	Red Rock Rd to Moya Blvd	\$29,702,000	
Estates Dr - Reconstruct	Lemmon Dr to Golden Valley Rd	\$48,895,000	
Golden Valley Road/7th Avenue (O'Brien Pass)	N Hills to W 7th Ave	\$111,042,000	
Highland Ranch Parkway - Widen	Pyramid to Sun Valley Blvd	\$45,239,000	
Lemmon Dr - Extension	To Red Rock Rd	\$161,460,000	
McCarran Blvd	Plumb Ln to Mayberry Dr	\$20,868,000	
McCarran Boulevard Widen 4 to 6 lanes	El Rancho Dr to Rock Blvd	\$40,822,000	
McCarran Boulevard Widen 4 to 6 lanes	Sky Mountain Dr to I80	\$12,033,000	
McCarran Boulevard Widen 4 to 6 lanes	7th St to N Virginia St	\$95,353,000	
McCarran Widening	Mayberry to 4th Street	\$61,994,000	
Mira Loma Drive Widen 2 to 4 lanes	McCarran to Veterans	\$14,318,000	
North Virginia - New Road	Stead to White Lake	\$86,213,000	
Panther Extension	N. Virginia to Panther to N. Hills Blvd	\$12,947,000	
Pyramid/395 Connector Phase 3 Construct Connector	US 395 to Pyramid Hwy south of Sparks Blvd	\$378,300,000	
Pyramid/395 Connector Phase 4 System Ramps	System Ramps at US 395	\$85,800,000	
Pyramid Way Phase 5 Widen 2 to 4 lanes	Sparks Blvd to Calle de la Plata	\$205,500,000	
Pyramid/395 Phase 6 West Sun Valley Interchange	Interchange and local improvements	\$60,200,000	
Rio Wrangler - Widen	Spring Flower Dr to Western Skies Dr	\$3,503,000	
Robb Dr Ext	4th Street to I-80	\$28,332,000	
S. McCarran - Widen	Manzanita to Plumb	\$117,896,000	
S. McCarran - Widen	Lakeside to Manzanita	\$43,564,000	
Silver Knolls Blvd - New Road	Red Rock Rd to Silver Knolls Blvd	\$74,485,000	
SS/ER Parkway - New Road	Red Rock Rd to Mud Spring Dr	\$144,400,000	
TRI Center Northern Connection	La Posada to TRI Center	\$495,498,000	

ATTACHMENT C

TRI Center Southern Connection	Eastern Daybreak Boundary to USA Parkway	\$68,392,000
Vista - Widening	Wingfield Pkwy to Hubble Dr	\$40,060,000
Vista Knoll Pkwy Ext	To Lemmon Dr	\$8,987,000
West Sun Valley Arterial New 4 lane road	Dandini Blvd to Eagle Canyon	\$112,260,000
Multimodal		
7th St/University Terr Buffered Bike Lanes	Sierra St to McCarran Blvd	TBD
7th Street - Bike Lanes	Stoker Ave to N McCarran	\$18,431,000
9th St Buffered Bike Lanes	Evans Ave - Valley Rd	TBD
9th St/G St Enhanced sidewalks and bike lanes	Wells Avenue to El Rancho Drive	\$8,530,000
Baring Boulevard Bike Lanes	McCarran Blvd to Vista Blvd	\$11,424,000
Casazza Dr/Kirman/Wrondel Way Buffered Bike Lanes	Locust St - Grove St	TBD
Center St/Mary St Buffered Bike Lanes	Liberty St - Plumas St	TBD
Eastlake Blvd Bike Lanes or Multi-Use Path	Old US 395 to I-580 Interchange	\$61,690,000
Forest St Bike Facility	California Ave to Mount Rose St	\$7,159,000
Golden Valley Rd Bike Lanes	N Virginia St to North Hills Blvd	\$6,702,000
Holcomb Ave Buffered Bike Lanes	Center St - Vassar St	TBD
Kietzke Ln Multimodal Improvements	Galletti Way to Virginia St	\$13,252,000
Kirman Buffered Bike Lanes	Casazza Dr - Kuenzli St	TBD
Lake Street - Replace existing Bridge	At Truckee River	\$27,570,000
Lakeside Drive Bike Lanes	McCarran Blvd to Plumb Ln	\$11,881,000
McCarran - Pedestrian Improvements	Baring to Pyramid	\$17,060,000
Neil Rd - Bike Lane	Kietzke to S Virginia	\$3,808,000
NW McCarran Safety and Bike Lanes	4th Street to N Virginia	\$14,318,000
Peckham - Multimodal	Lakeside Dr to Airway Dr	\$26,199,000
Plumas St Buffered Bike Lanes	Mary St - Moana Ln	TBD
Plumas/Mary Street - Multimodal	California to Moana Ln	\$28,789,000
Plumb Lane Sidewalks and Bike Lanes	Lakeside Dr to Kietzke Lane	\$8,530,000
Plumb Ln Bike lanes and Sidewalks	Kietzke Lane to Terminal Way	\$5,179,000
Prater Way Bike Lanes	Pyramid Way to Petes Way	\$59,557,000
S Virginia Street - Add sidewalks & bike lane, travel lane to bus/bike	E Patriot Blvd to Arrowcreek	\$35,186,000
SE McCarran MultiUse Path	Longley Lane to Neil Road	\$11,576,000
Sierra St - Multimodal	9th Street to N. Virginia	\$20,411,000
Sierra Street Replace existing bridge	Truckee River	\$29,093,000
Skyline Blvd Bike Lanes	Cashill Blvd to Arlington Ave	\$17,974,000
South Meadows Pkwy Bike lanes	I-580 NB Ramps to Double Diamond Pkwy	\$10,205,000
Sutro St Buffered Bike Lanes	McCarran - Kuenzli	TBD
Sutro/Kirman - Sidewalks	Truckee River to Plumb Lane	TBD
Vassar Street Bike Facility	Holcomb to Kietzke	\$4,300,000
Vista Blvd Sidewalks and Bike Lanes	Greg St to S Los Altos Pkwy	\$13,709,000
Wells Ave Bike Lanes, bike/ped facilities over Truckee River	Moran St to E 9th St	\$12,338,000
West 4th Street -Multimodal	S McCarran to I-80	\$43,411,000
West Reno Bike Path - Truckee River Connections	S McCarran to Idelwild Park	TBD
Yori Ave Sidewalks and bike lanes	Moana Ln to Plumb Ln	\$10,205,000
Zolezzi Lane Sidewalks	S Virginia Street to Thomas Creek Rd	\$10,205,000