

North Valleys Multimodal Transportation Study

STAKEHOLDER MEETING #1

DECEMBER 8, 2015



Introductions

RTC Project Manager: Xuan Wang

Consultant: Traffic Works (Loren Chilson)

Purpose

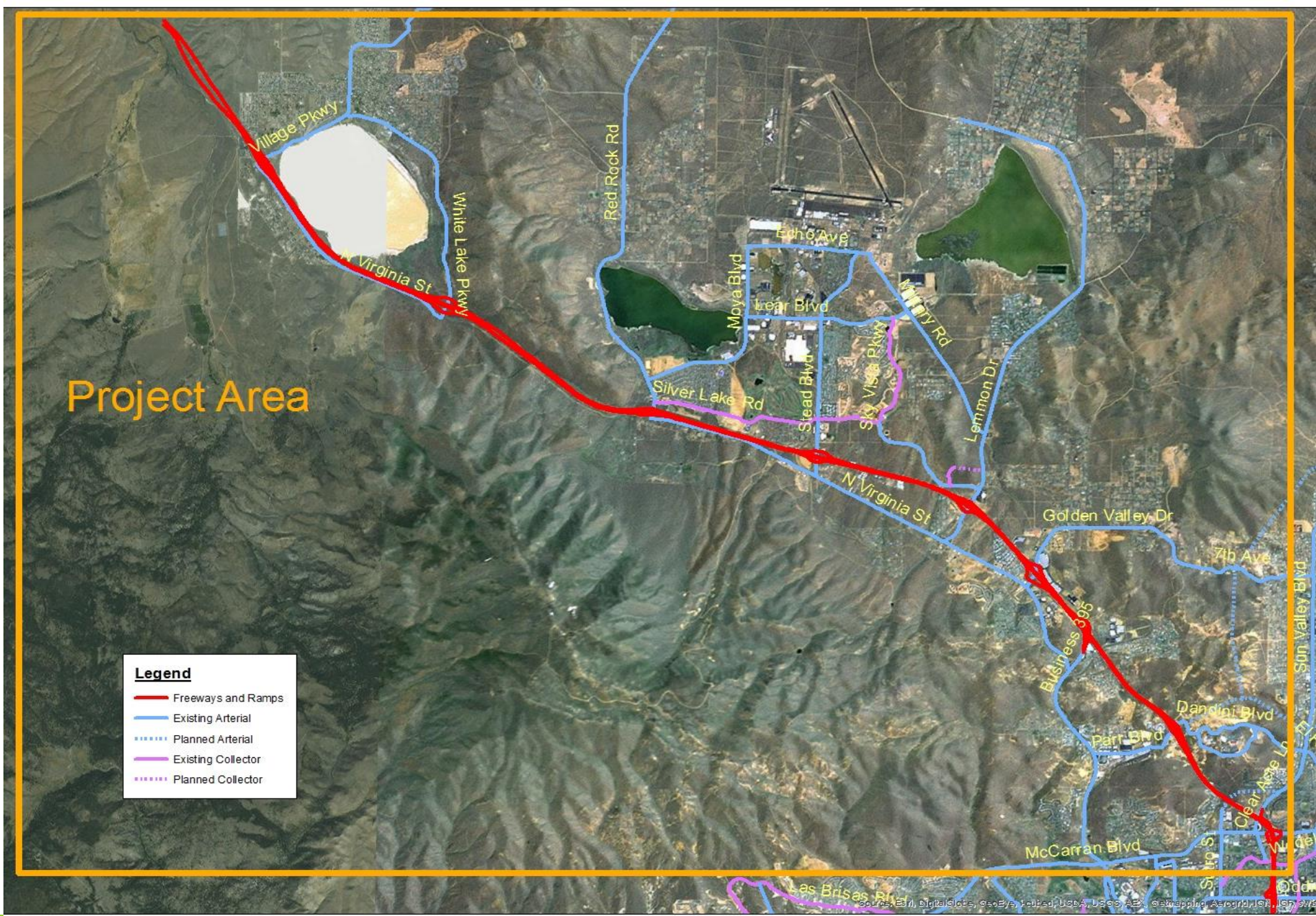
Develop a program of short and long term improvements for intersections and regional roads in the North Valleys region



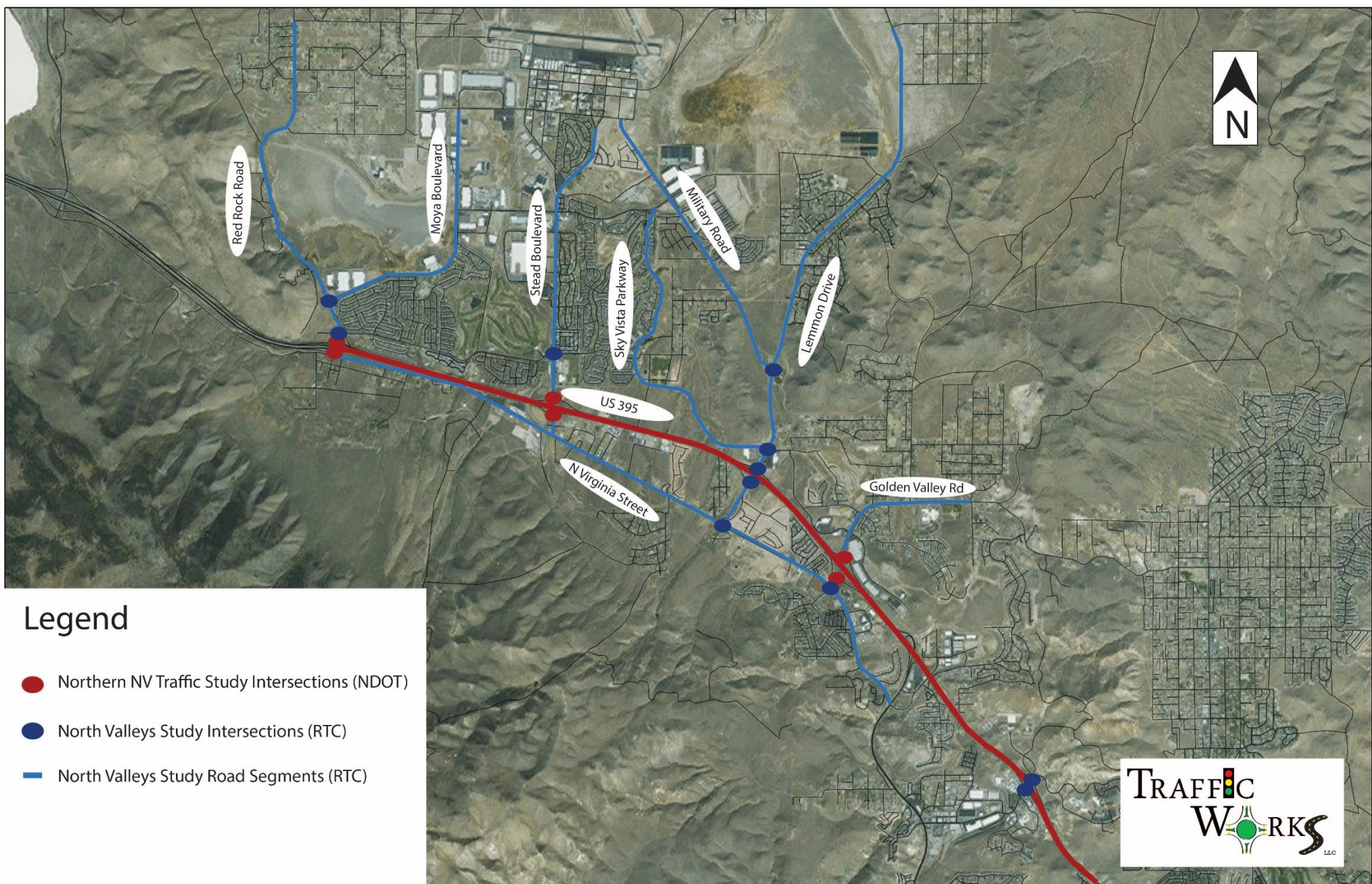
Primary Goals

The study will focus on traffic operations analysis and improvements, safety improvements, pedestrian and bicycle connectivity, and transit service needs

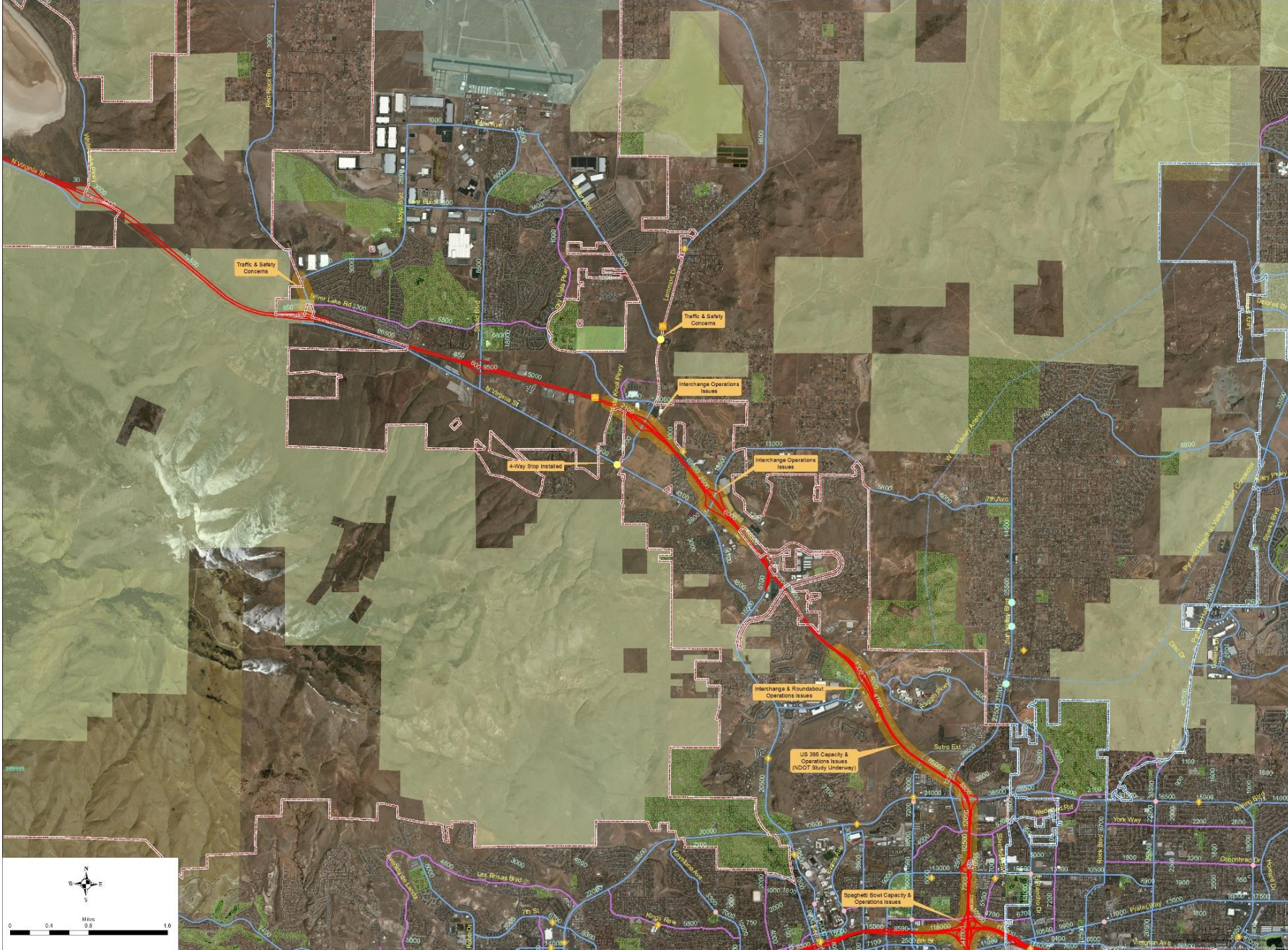




Study Area



Study Roadways & Intersections



Known Issues

Develop and Evaluate Alternatives

- Develop a vision statement and associated goals for the study
- Roadway and Intersection Improvements
- Transit Improvements
- Pedestrian and Bicycle Improvements

Baseline
Conditions

Compile
Project
Information

Modeling

-5 to 10 Year

-20 Year

Short-term &
Long-term
Improvements

Traffic Analysis Process

Modeling Process

- Calibrate/Validate the Baseline Model using existing volumes
- Incorporate approved and anticipated projects into the demand model
- Update land use details at TAZ level
- Forecast future traffic volumes
 - Short-term forecasts (5-10 years)
 - Long-term forecasts (20 years)
- Future Traffic Operations Analysis

Desired Outcome

1. Advance short-term project(s) to construction in 2016
2. Include long-term improvements in RTP/CIP

Existing Conditions

Completed Tasks

- ✓ Existing Turning Movement Counts
- ✓ Roadway AADT's
- ✓ AM and PM Peak Hour Existing Synchro Models
- ✓ Existing Roadway and Intersection Level of Service Analysis
- ✓ Preliminary Problem Areas Identification (Traffic Operations)
- ✓ Crash Analysis

Roadway LOS

Roadway Segment	Location	Class	Lanes	Access Control	2014 AADT	
					AADT	LOS
Golden Valley Road	N/O 395	Arterial	4	MAC	13,500	C
Golden Valley Road	S/O 395	Arterial	2	MAC	6,800	C
Lemmon Drive	N/O Military Road	Arterial	4	MAC	9,800	B
Lemmon Drive	S/O Military Road	Arterial	4	MAC	25,000	C
Military Road	W/O Lemmon Drive	Arterial	2	MAC	8,300	C
Sky Vista Parkway	W/O Lemmon Drive	Arterial	4	MAC	14,500	C
Stead Boulevard	N/O Silver Lake Road	Arterial	4	MAC	8,500	B
Stead Boulevard	S/O Silver Lake Road	Arterial	4	MAC	18,000	C
Silver Lake Road	E/O Stead Boulevard	Collector	2	LAC	6,800	C
Silver Lake Road	W/O Stead Boulevard	Collector	2	LAC	6,500	C
Red Rock Road	N/O 395	Arterial	4	MAC	3,900	B
N Virginia Street	E/O Lemmon Drive	Arterial	2/3	MAC	4,100	B
N Virginia Street	W/O Lemmon Drive	Arterial	2	MAC	1,900	B

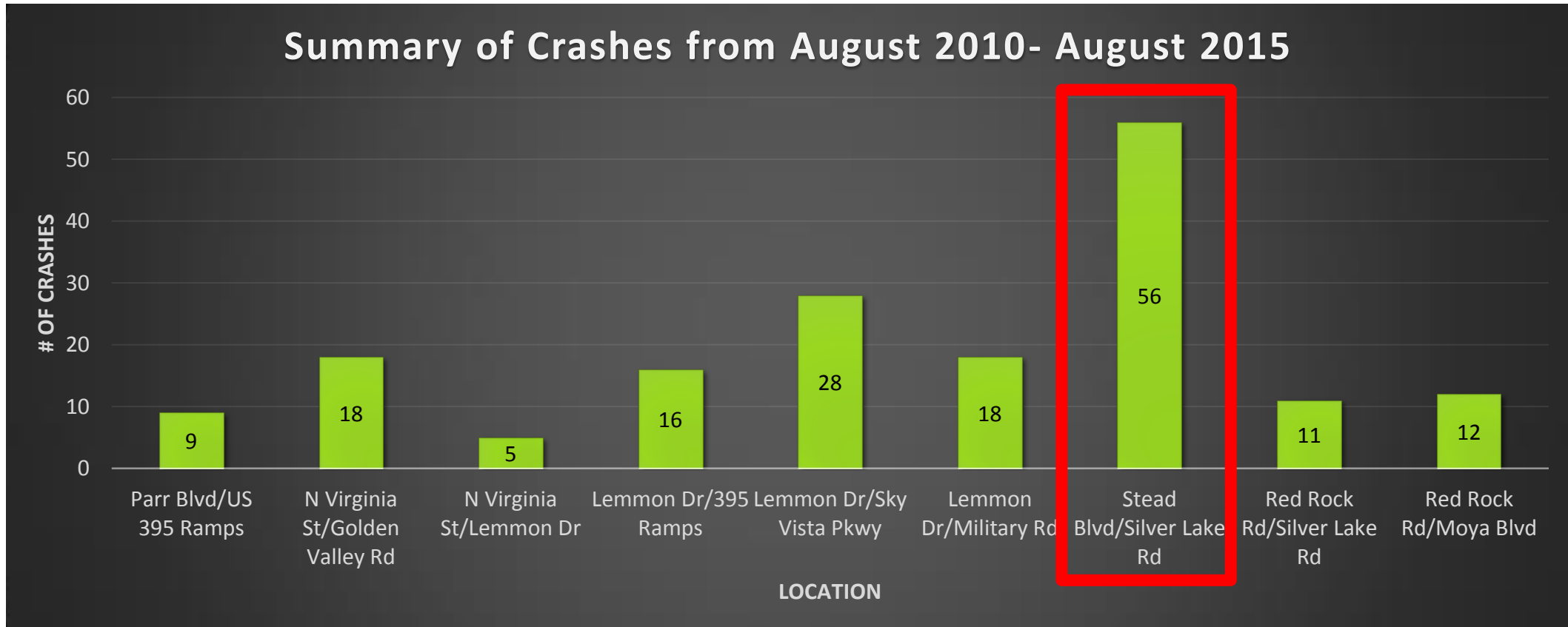
Intersection LOS

Intersection		Control	2015	
			AM Peak	PM Peak
Parr Blvd and US 395 SB Ramps	LOS	TWSC	E	F
	Delay		39.5	65.9
Parr Blvd and US 395 NB Ramps	LOS	TWSC	F	F
	Delay		59.2	149.3
N. Virginia St and Golden Valley Rd	LOS	Signal	A	A
	Delay		6.9	8.1
N. Virginia St and Lemmon Dr	LOS	AWSC	C	A
	Delay		17.8	9.0
Lemmon Dr and US 395 SB Ramps	LOS	TWSC	F	F
	Delay		>200	>200
Lemmon Dr and US 395 NB Ramps	LOS	TWSC	D	C
	Delay		29.3	15.0

Intersection		Control	2015	
			AM Peak	PM Peak
Lemmon Dr and Sky Vista Pkwy	LOS	Signal	C	D
	Delay		22.6	38.1
Lemmon Dr and Military Rd	LOS	Signal	B	B
	Delay		10.7	10.1
Stead Blvd and Silver Lake Rd	LOS	Signal	B	C
	Delay		18.0	25.5
Red Rock Rd and Silver Lake Rd	LOS	TWSC	D	D
	Delay		33.8	28.2
Red Rock Rd and Moya Blvd	LOS	TWSC	B	B
	Delay		11.0	12.4

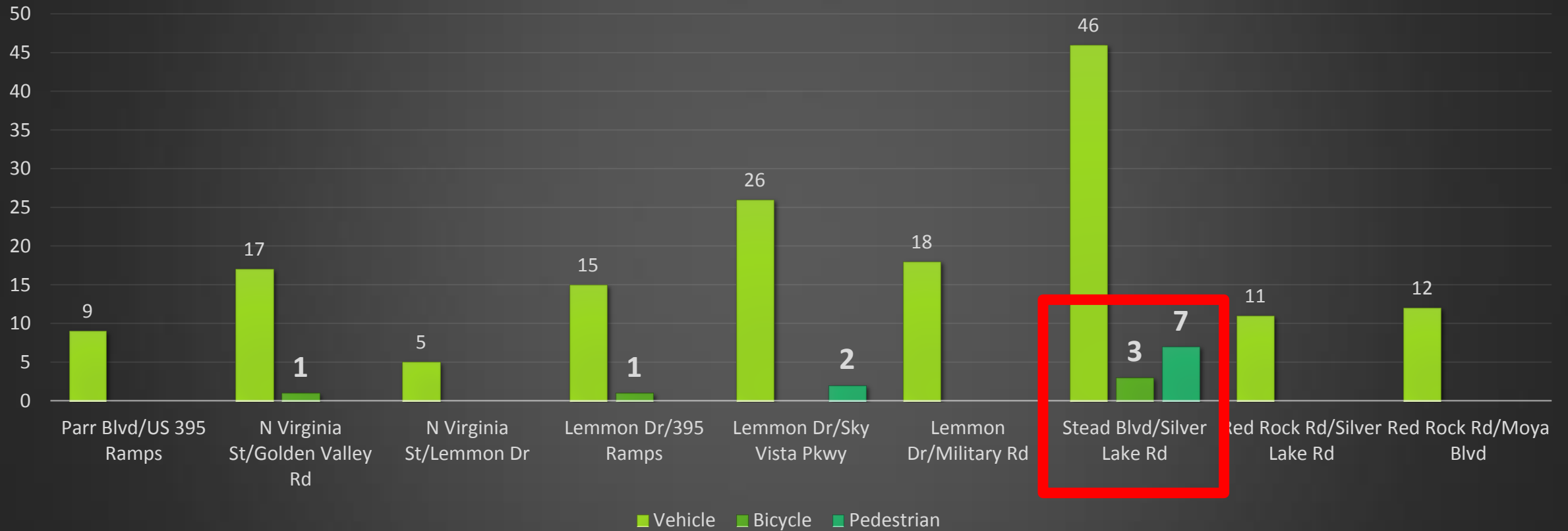
*Lemmon Dr/Military Rd analyzed with a signal (to be constructed in 2016)

Crash Summary



Crash Summary

Crash Summary by Mode



Stead & Silver Lake

Crash Type	Number	PDO	Injury	Fatality	#Ped/Bike
Angle	24	9	13	2	3
Head-on	2	0	2	0	0
Non-Collision	12	3	9	0	7
Rear-End	15	10	5	0	0
Sideswipe/Overtaking	2	2	0	0	0
Unknown	1	1	0	0	0

We Need Your Input

- Invite Projects – By December 18, 2015
- Any known current issues or concerns
- Vision Statement

Draft Vision Statement

“Develop a comprehensive program of short-term and long-term multi-modal improvements which improve current and future conditions for all transportation modes and adequately anticipates growth in the North Valleys for years to come.”

Timeline

- ✓ Kick-off meeting with local agencies – Month 1
- ✓ Stakeholder Meeting (today) – Month 2
- Public Information Meeting – Month 4
- Planning Workshop – Month 6
- Draft Report – Month 9
- Revised Report – Month 10
- Final Report – Month 11

Next Steps

- Incorporate projects in the RTC Travel Demand Model
- Perform future traffic volume forecasts
- Traffic Analysis
- Identify short-term improvements

Questions &
Comments?
