



TRAFCC
Transportation Resource
Advisory Forum
for Carson City

August 26, 2019

Agenda

- Introductions
- S. Carson Complete Streets Project Update
- Overview of Pavement Management Plan
- Ongoing Projects
- Fiscal Year 2020 Funding
- Proposed 2020 Pavement Projects
- Discussion



South Carson Complete Streets Project

Transportation Resource Advisory Forum for Carson City
(TRAFCC)

August 26, 2019

Project Background



2014

- BOS approved plan of expenditures for facility and corridor projects- including South Carson Street corridor

2016 and 2017

- Conducted corridor study for the South Carson Complete Streets Project

2018

- Awarded \$7.57 million TIGER grant for the South Carson Complete Streets Project

2019

- Project design

2020

- Project construction

Project Overview



- Storm drainage
- Landscaping
- Multi-use path
- Enhanced business access
- Street lighting
- Frontage road
- Roundabout
- Illuminated pedestrian crossings
- Utility improvements



Stewart Street Roundabout



- Design highlights:
 - Improved level of service
 - Decreased O&M costs
 - Improved safety-
Significant anticipated crash reduction from 3/year to 1.6/year
(Societal cost savings of \$2.8M)
 - Provides gateway to the City
 - Future 4th leg connection to Curry



Stewart Roundabout

Schedule



- ◎ Design milestones:
 - October 2019: Final design
- ◎ Public meetings and outreach:
 - 19 public meetings to date on project
 - November/December 2019: Pre-construction public meeting
- ◎ BOS meeting updates:
 - December 2019- Construction contract execution
- ◎ Construction
 - Start mobilizing end of 2019, construction early 2020
 - 9 to 12 month construction duration

Project Communication Tools



- CarsonProud.com
- Text subscription service
- Social media
- Tom Grundy, Project Manager
tgrundy@carson.org
775-283-7081

**TEXT CARSON PROUD
TO 31996 TO SIGN
UP FOR MOBILE
MESSAGING.**

**VISIT
CARSONPROUD.COM
TO SIGN UP FOR WEEKLY
E-NOTIFICATIONS**

WE'RE SOCIAL @CARSONPROUD





Roundabout Education

- Staff developed and released a roundabout education video in June based on requests from citizens, RTC, and other committees



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South Carson Complete Streets Project

Pavement Management Plan

Carson City Pavement Management Plan



Fiscal Year 2019-2023
Approved April 11, 2018

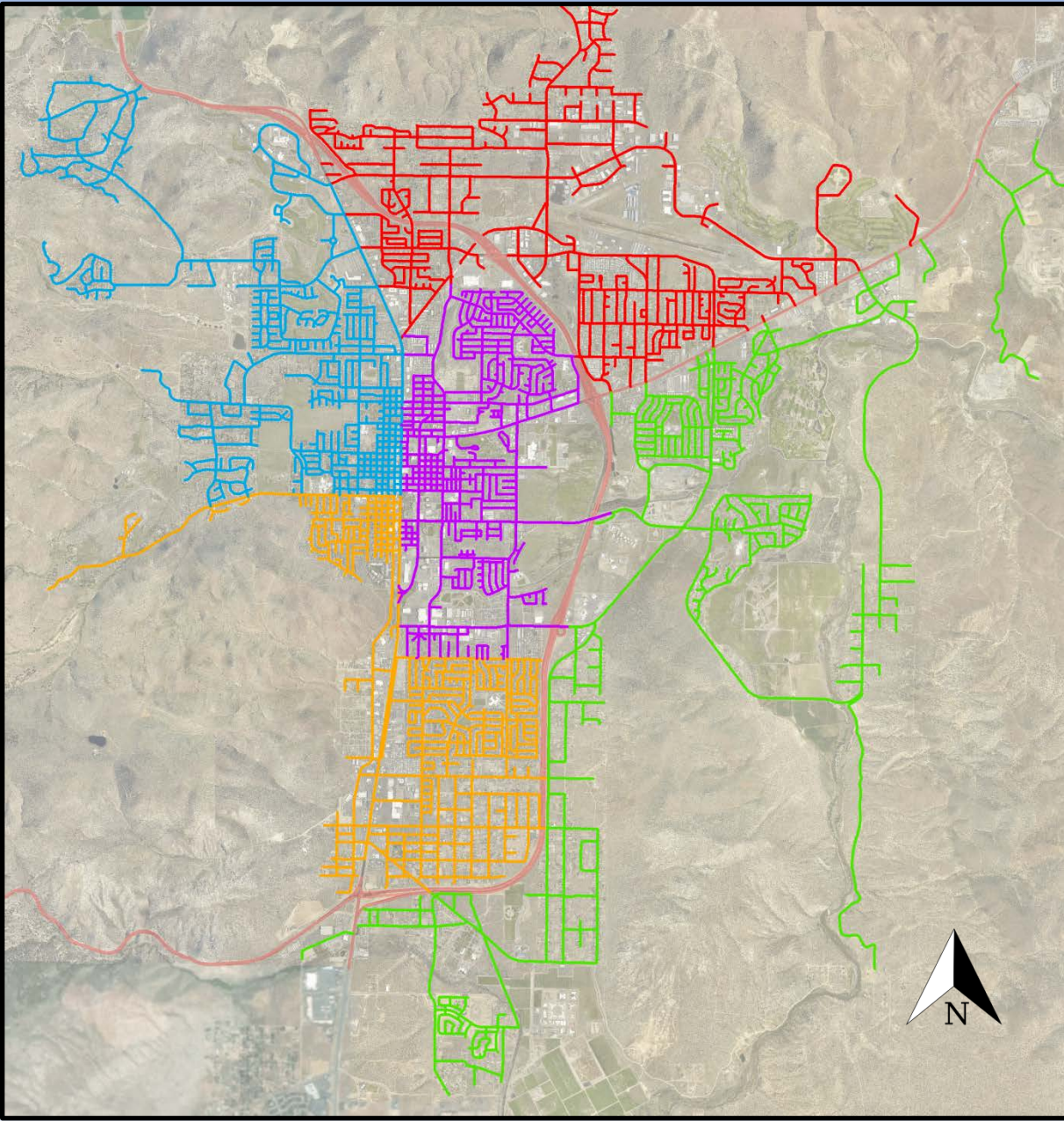
- RTC Approved April 11, 2018
- Establishes an efficient and effective strategy to maintain the City's roadways
- Establishes five performance districts
- Five year rotating schedule

www.Carson.org/transportation

Pavement Management Plan Objectives

- Predictable use of roadway funding
- Improves transparency for public and decision-makers
- Maintains flexibility for unplanned City projects and “match” for grant opportunities
- Targets cost-saving strategies
- Provides a framework for:
 - Tracking pavement conditions
 - Setting performance targets
 - Better understanding and justifying funding needs

Five Performance Districts



Performance District Number	Year
1 (Red)	2019
2 (Purple)	2020
3 (Green)	2021
4 (Orange)	2022
5 (Blue)	2023

Pavement Management Plan

Establishes an annual implementation schedule:

Pavement Inspections

May – June

Project Evaluation

July – August

Project Selection & Public Posting

September – October

Project Design

October – January

Advertise Project(s) for Bidding

January – February

Project Execution/Notice to Proceed

February – March

Project Construction

March – October

Pavement Management Plan Evaluation Criteria

The following PCI ranges are used to help determine the appropriate pavement treatment:

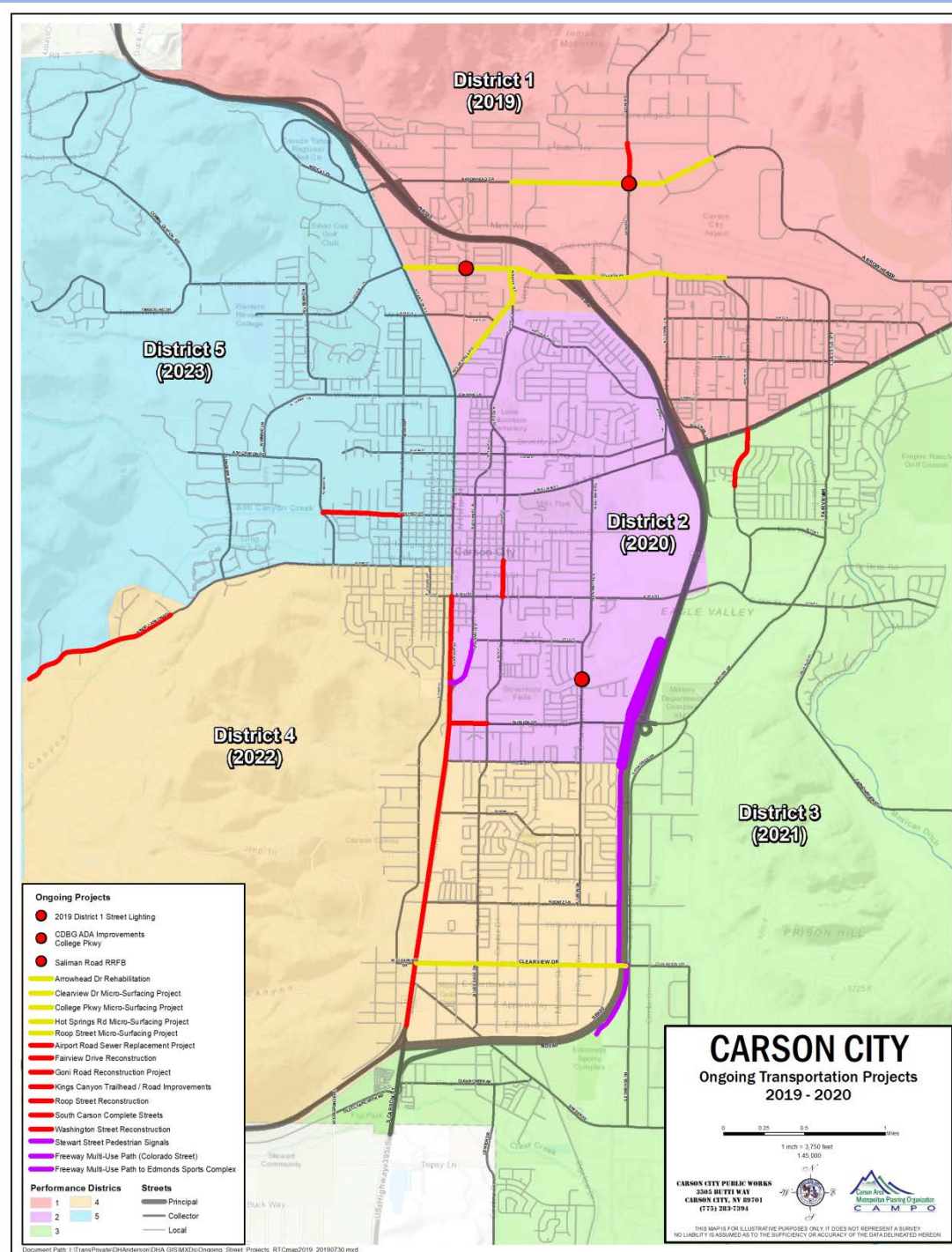
- Corrective Maintenance – Eligible at PCI of 65 or greater
- Surface Preservation – Eligible at PCI of 65 or greater
- Surface Rehabilitation – Eligible at PCI between 41 and 65
- Reconstruction – Eligible at PCI less than 40

The remaining factors will further prioritize projects:

- Preventive and Corrective Maintenance Schedule (per industry standards)
- Roadway Functional Classification
- Safety Needs/Targets
- Traffic volume
- Construction Efficiencies
- Funding Eligibility and Availability of Federal Competitive/Discretionary Grant Funding



Ongoing Capital Projects



Carson City Freeway Multi-Use Path Project to Colorado Street

Total Estimated Cost:

- \$1,025,500
- Competitive Grant
- 95% federally funded

Status:

- Design Complete
- Construction Spring 2020



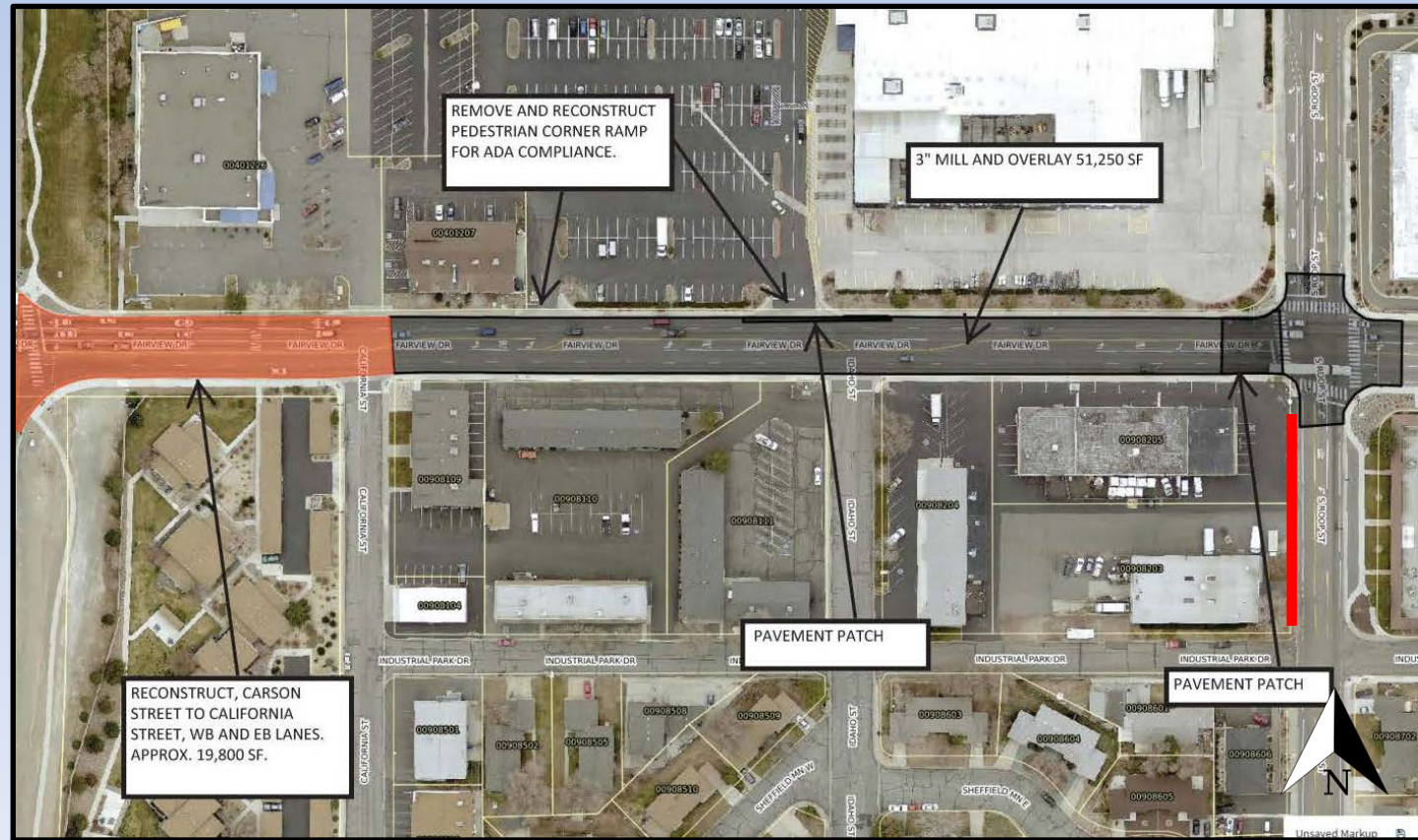
Fairview Drive Reconstruction Project

Total Estimated Cost:

- \$1,294,696 (\$710,000 for transportation & \$584,696 for utility improvements)

Status:

- Design is Complete
- Construction Spring 2020



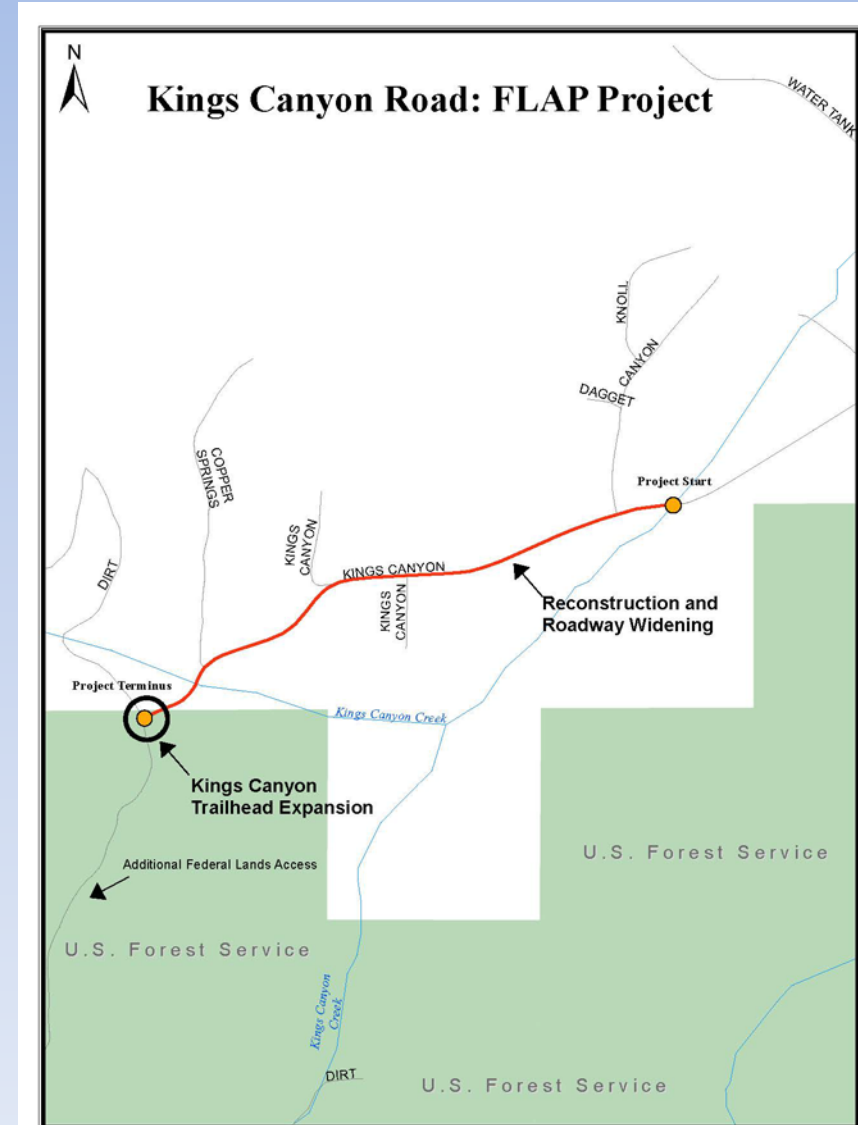
Kings Canyon Trailhead Improvements and Roadway Reconstruction Project

Total Estimated Cost:

- \$3,707,000
- Competitive grant
- 95% federally funded

Status:

- 75% design plans December 2019



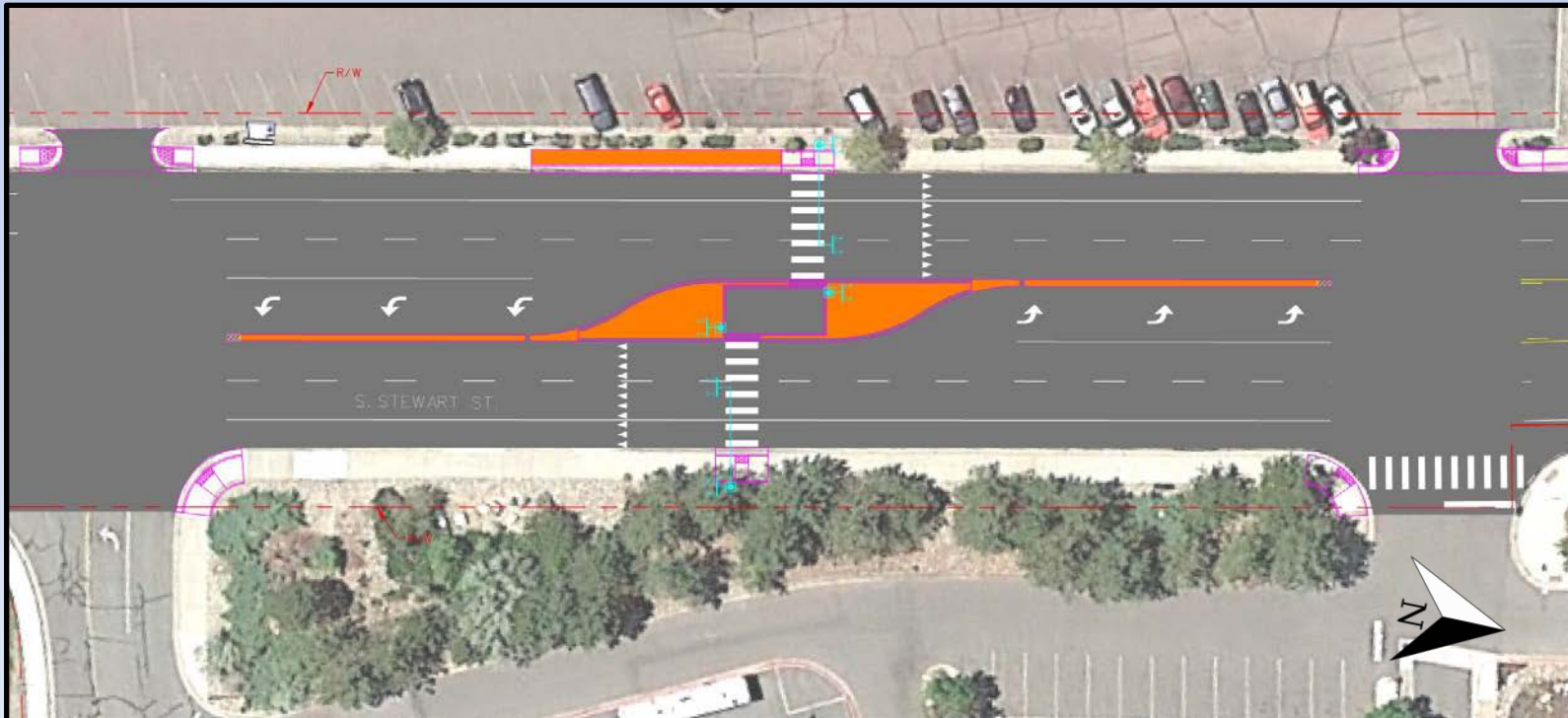
Stewart Street Pedestrian Signals

Total Estimated Cost:

- \$858,342
- NDOT designed and delivered the project
- \$30,000 local match

Status:

- Construction is complete (awaiting power)



CDBG College Parkway ADA Improvements

Total Estimated Cost:

- \$268,892
- Competitive grant
- 100% grant funded

Status:

- The contract has been awarded to V&C Construction Group
- Construction Fall 2019



Airport Road Sewer Replacement Project

Total Estimated Cost:

- \$2,126,000 (comprised of \$180,000 in Transportation funding to reconstruct the road in lieu of patching)

Status:

- Construction Spring 2020



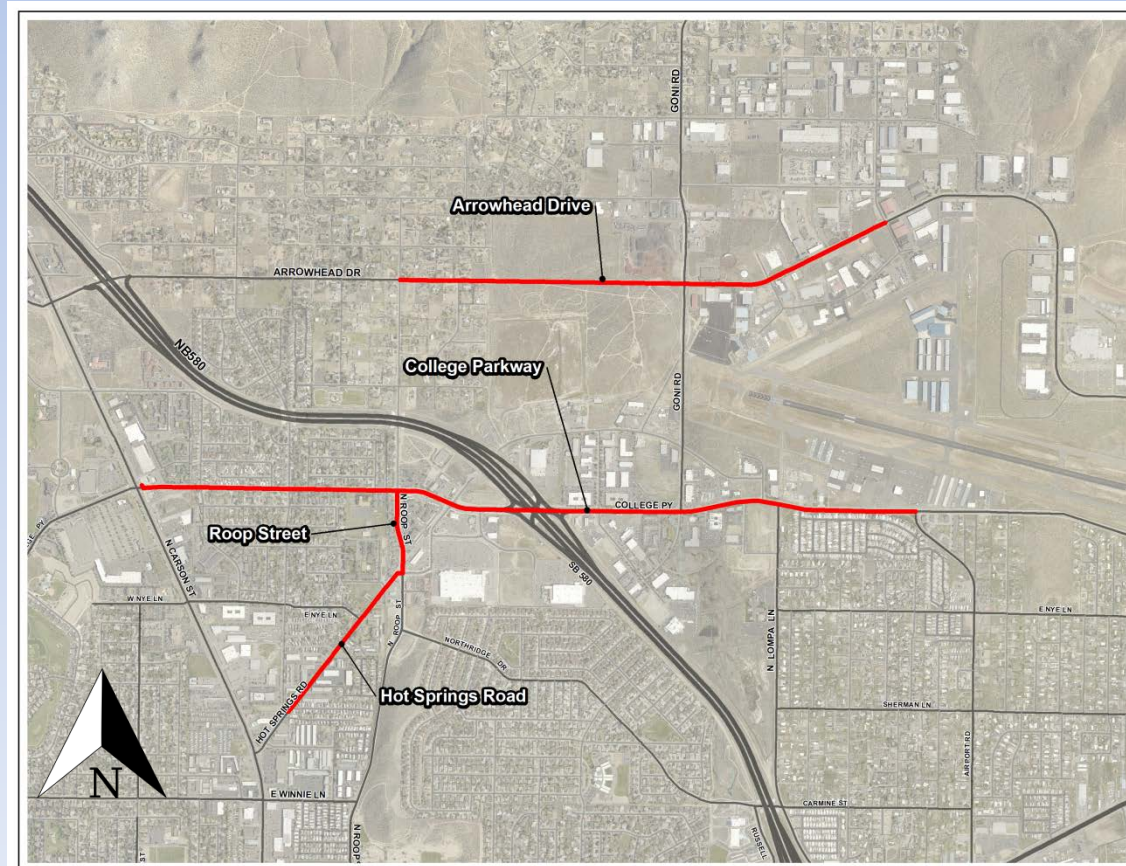
FY 2019 District 1 Surface Treatment Projects

Total Estimated Cost:

- \$1,030,000
- Surface Treatments
- Restriping on Roop Street

Status:

- In progress, construction to conclude in September



FY 2019 District 1

Goni Road Reconstruction Project

Total Estimated Cost:

- \$605,000

Status:

- Construction completed in August



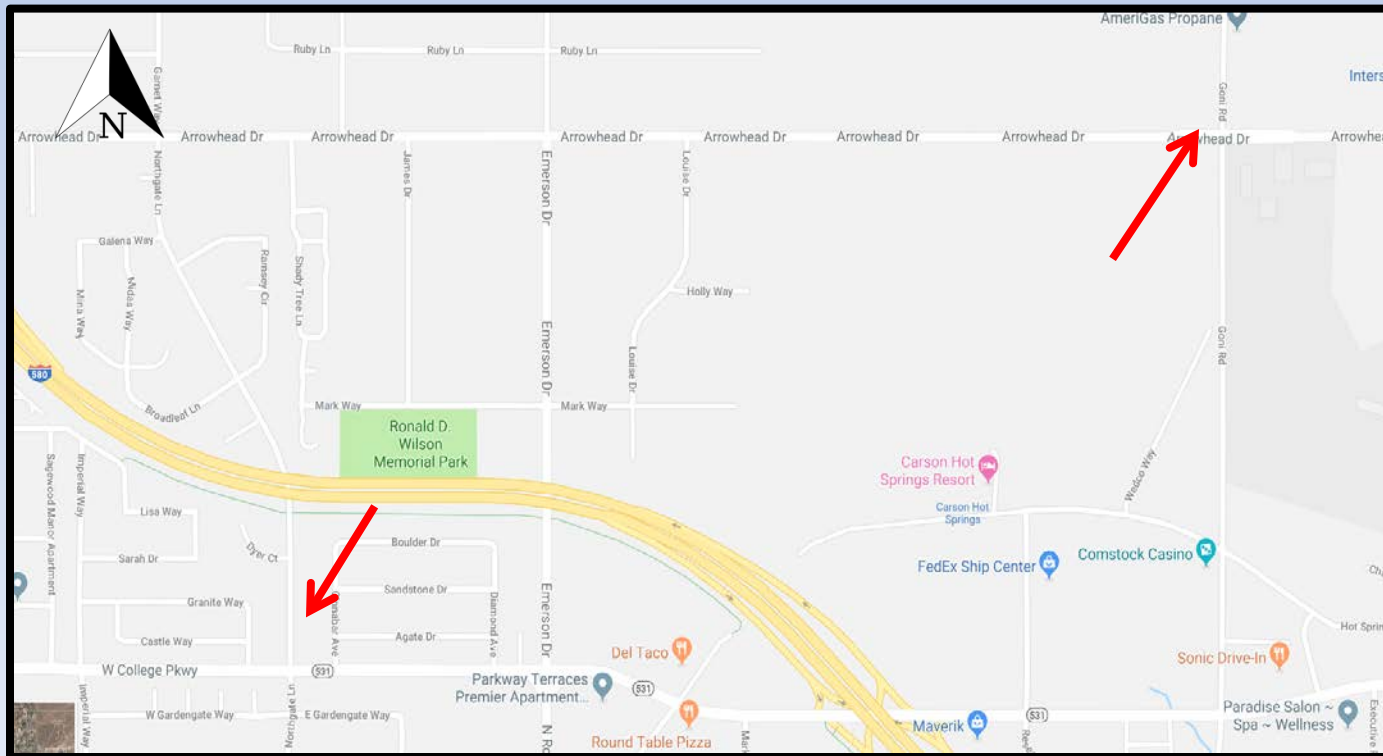
FY 2019 District 1 Street Lighting

Total Estimated Cost:

- \$70,000

Status:

- The design has been completed
- Construction Fall 2019



Clearview Drive Micro-Surfacing Project

Total Estimated Cost:

- \$173,000
- V&T Funding

Status:

- Construction Fall 2019



Roop Street Rehabilitation Project

Total Estimated Cost:

- \$581,000
- V&T Funding

Status:

- In design
- Construction Spring 2020



FY 2020 District 2

District 2	Current PCI	Target PCI
All Roads	67	n/a
Regional Roads	69	75
Local Roads	66	70



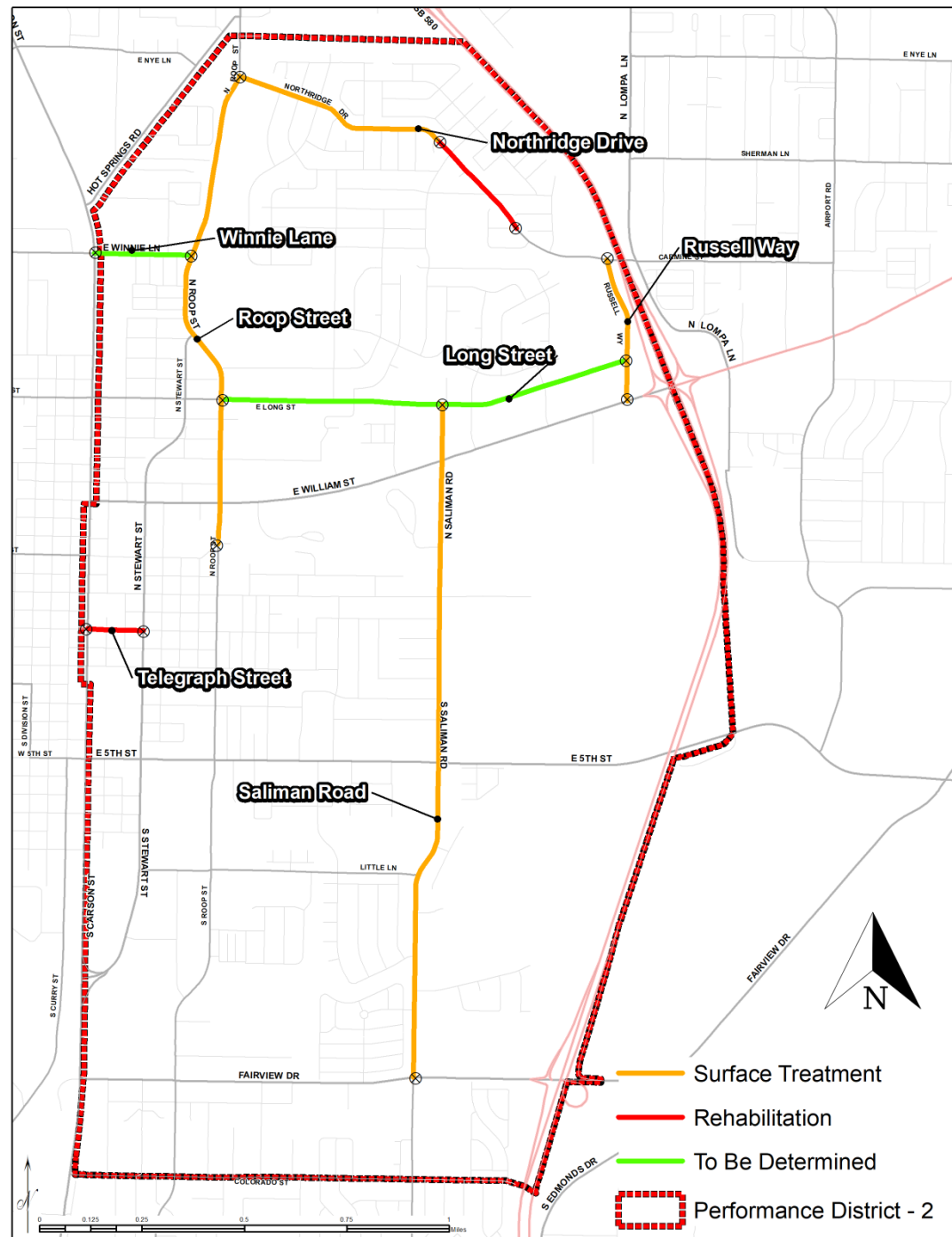
Budget FY 2020

- \$1.1 million – Regional Transportation Commission (RTC), Transportation Infrastructure Fund (available funding for capital projects)
- \$500,000 – Surface Transportation Block Grant (STBG) funds available (fiscal years 2020 and 2021)
- \$1.3 million – Virginia and Truckee (V&T) Railroad Sales Tax Plan of Expenditure
 - On November 1, 2018, the Carson City Board of Supervisors amended the Plan of Expenditure for the V&T Railroad Sales Tax to use excess revenue for the preservation and rehabilitation of the City’s regional roads. The plan expires July 1, 2027

District 2

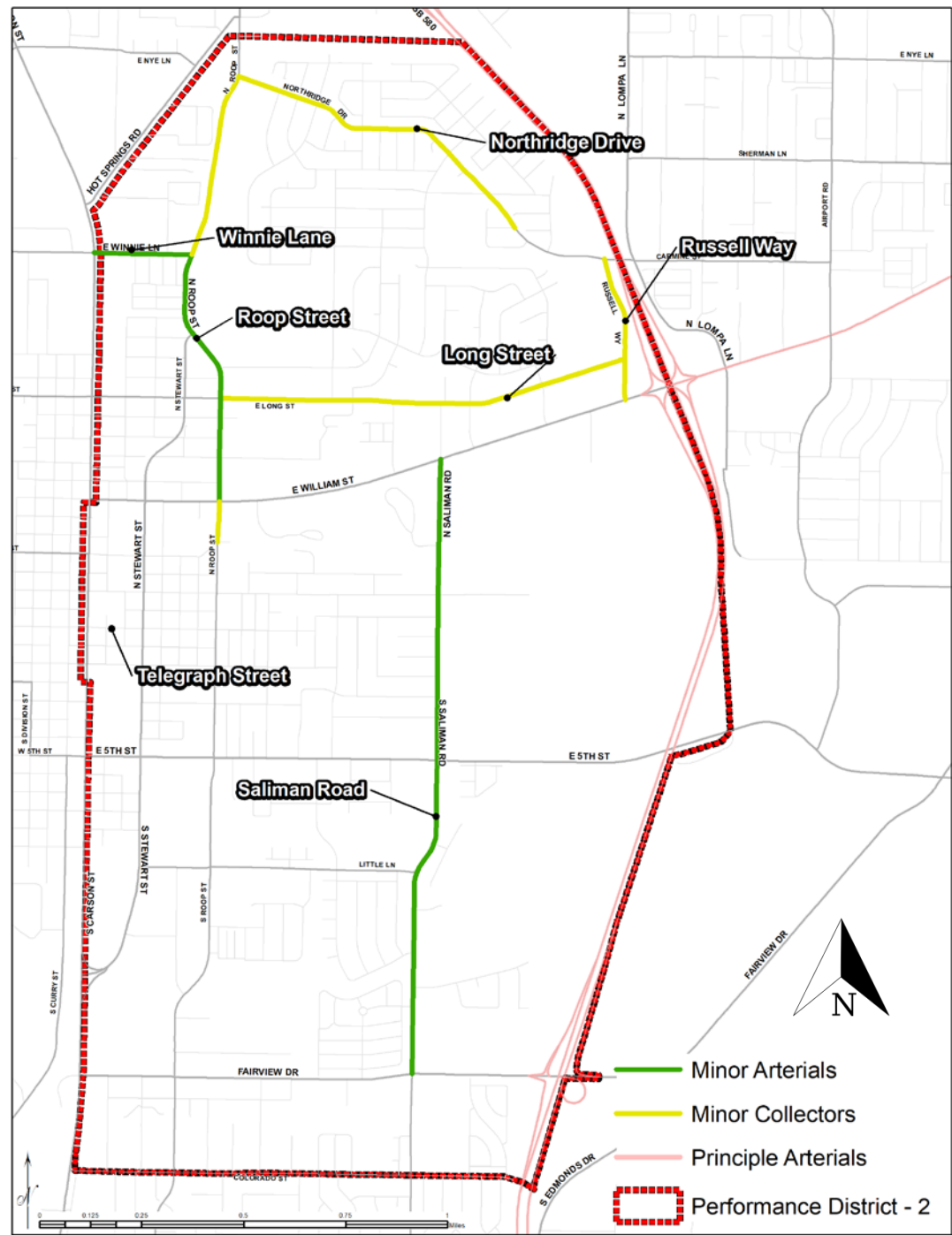
Transportation Projects

Under Evaluation



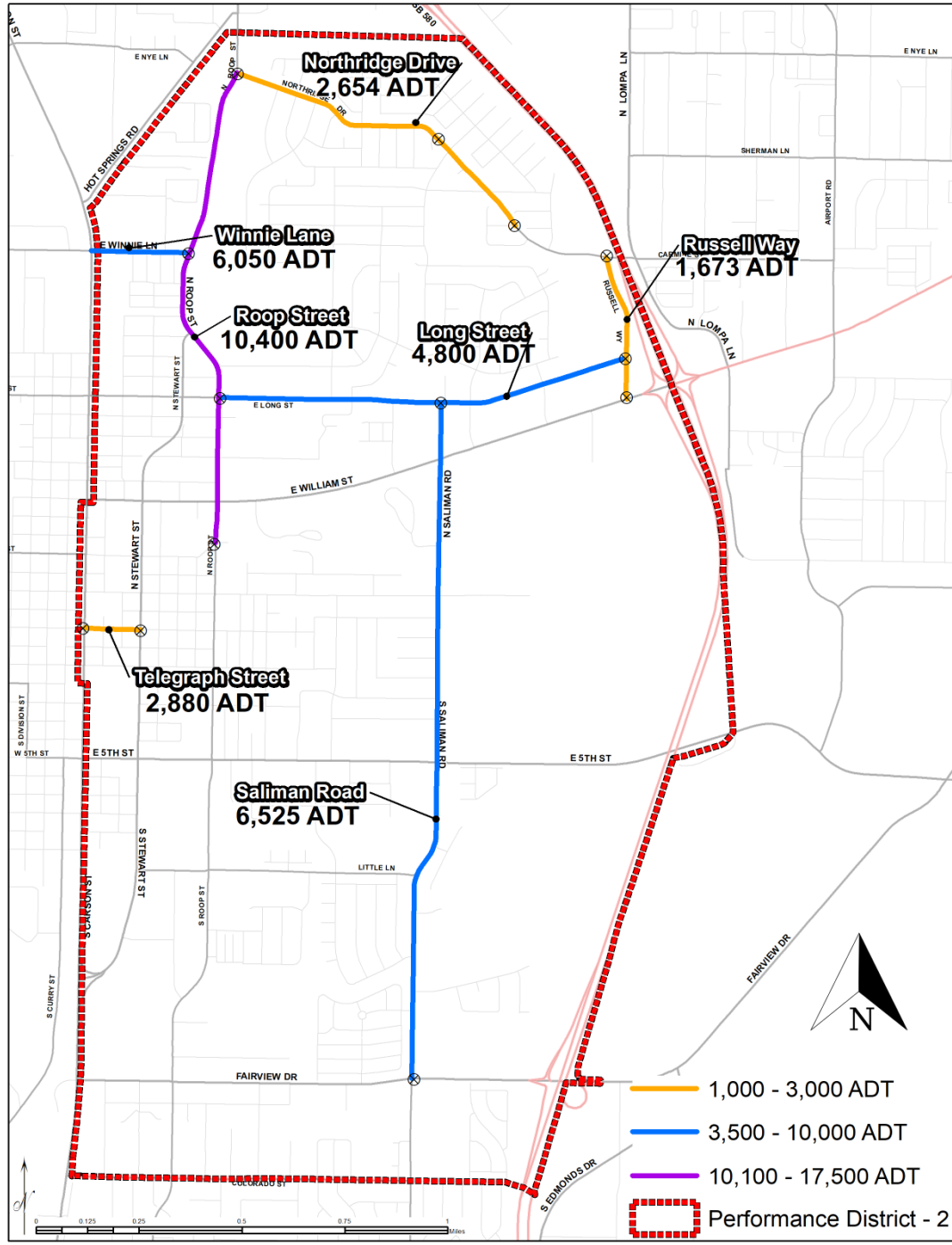
District 2

Roadway Functional Classification



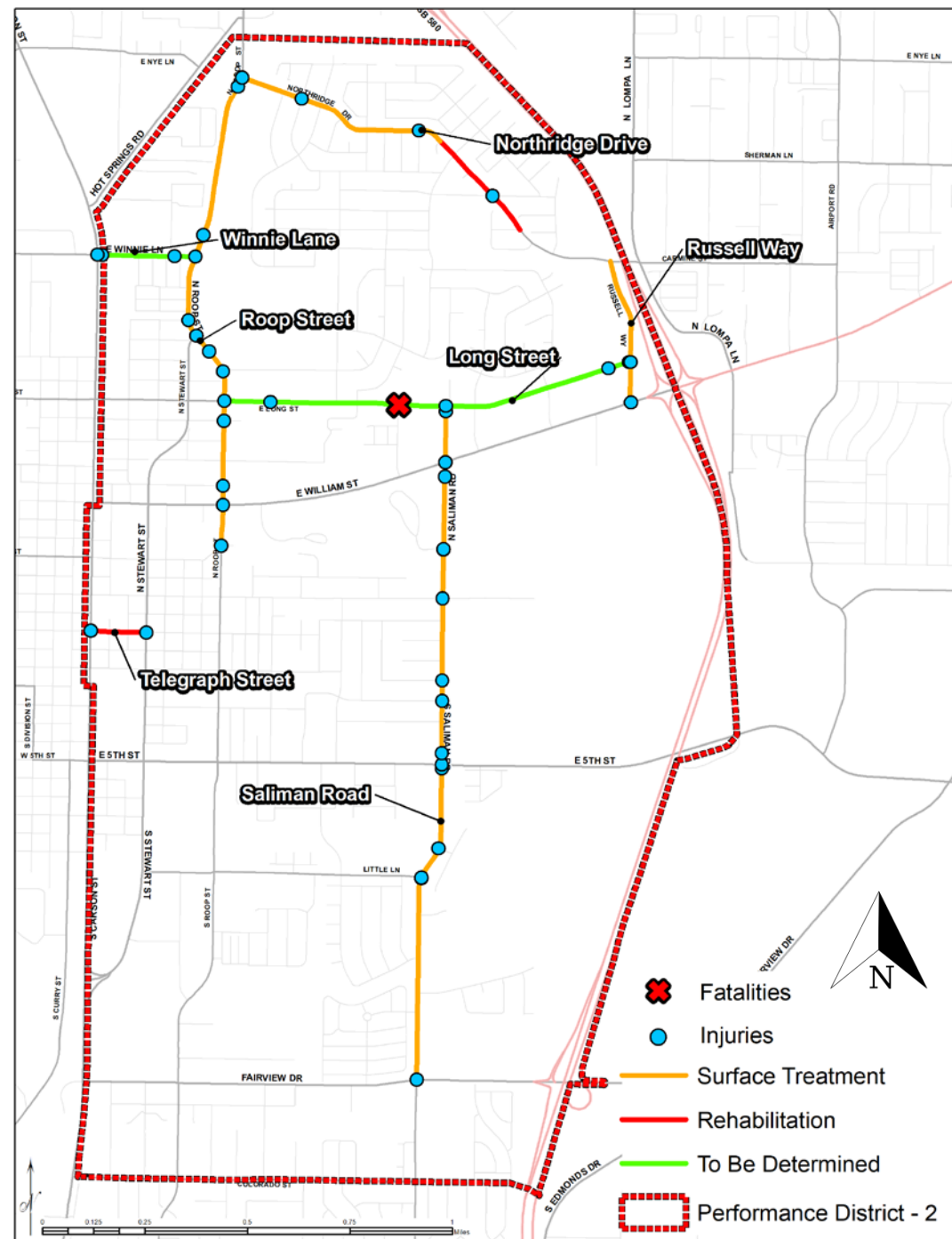
District 2

Traffic Volumes



District 2

Fatalities and Injuries



District 2

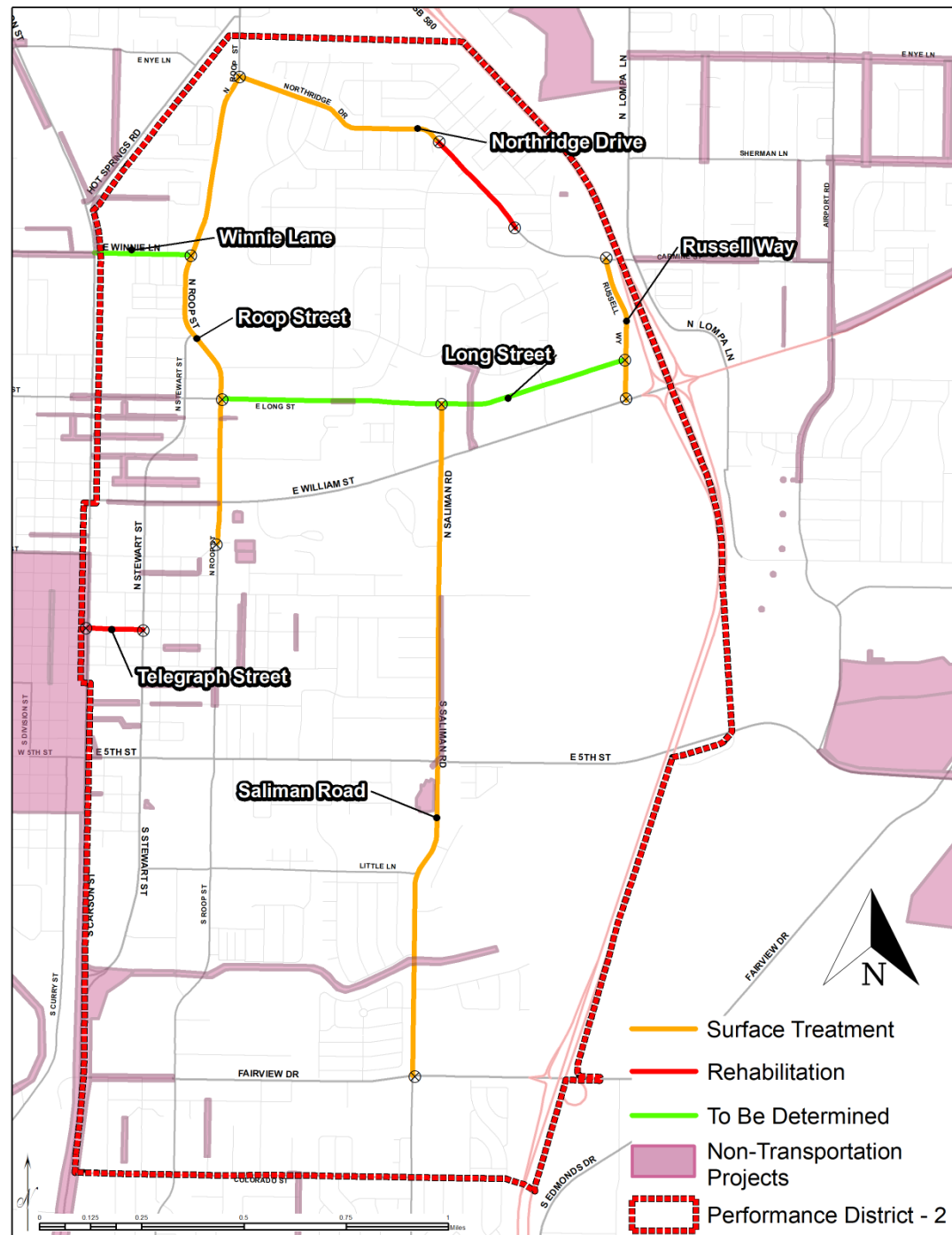
Long-Term

Public Works

Capital

Improvement

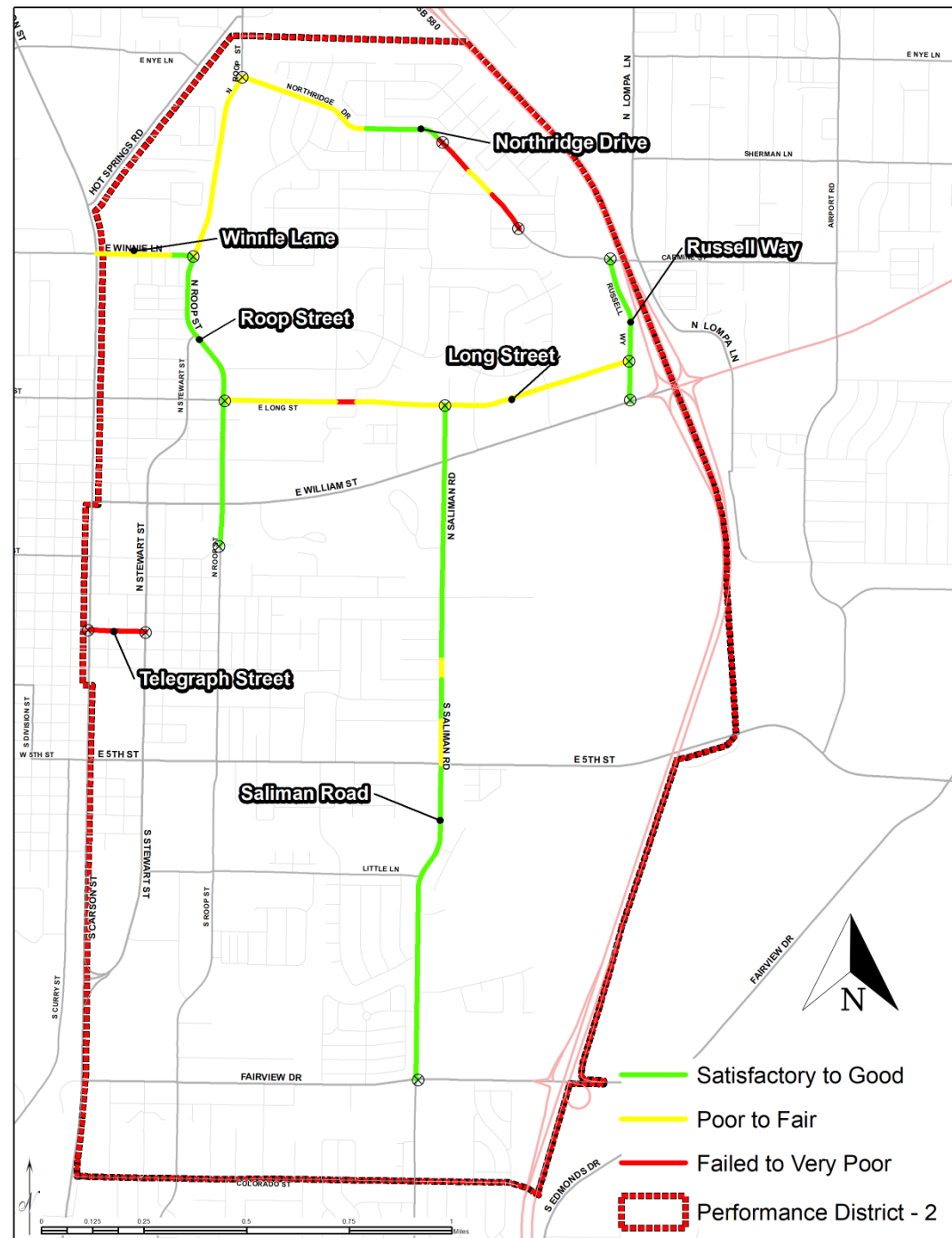
Projects (CIP)



District 2

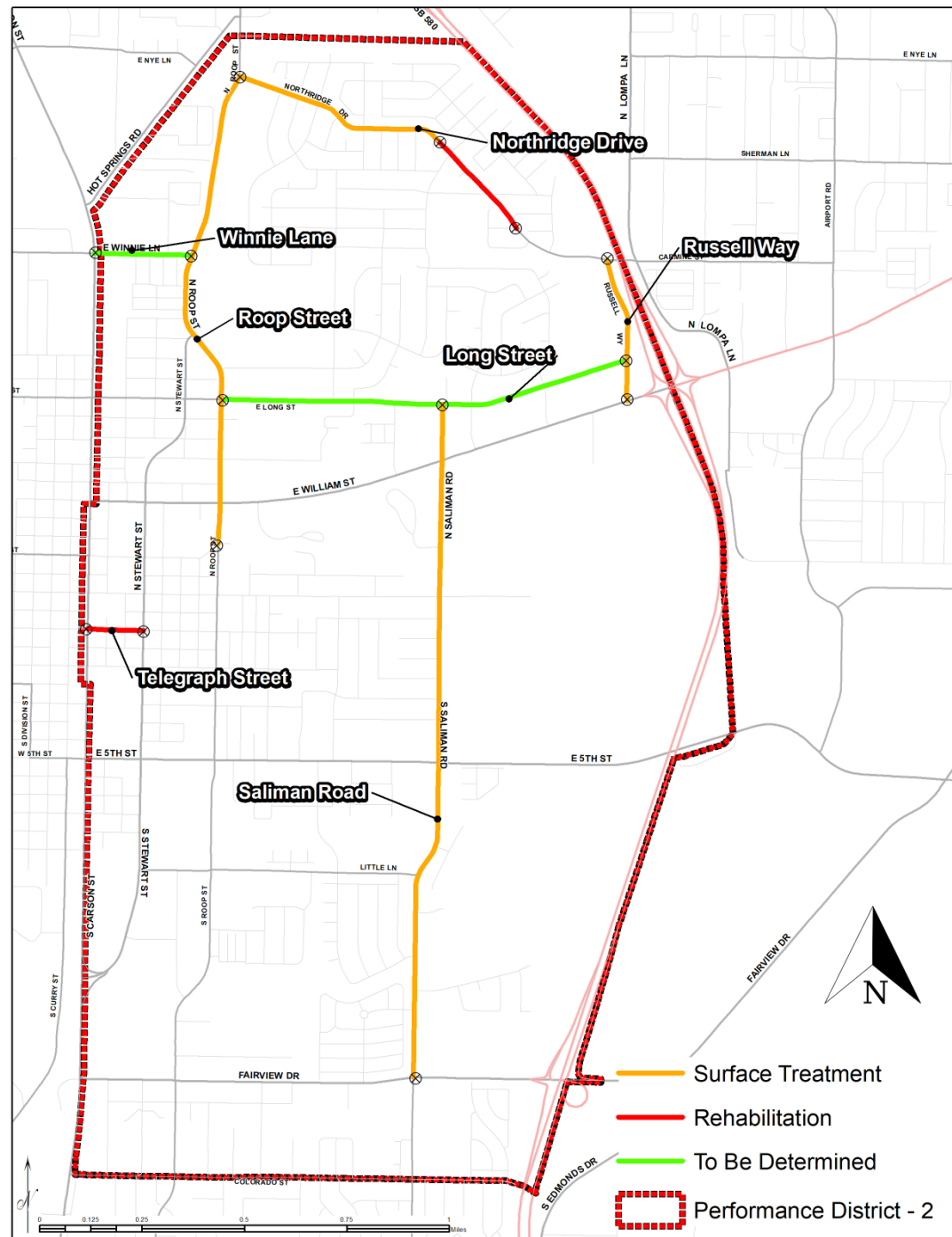
Pavement Condition

For Proposed Transportation Projects Under Evaluation



Performance District 2

Transportation Projects Under Evaluation



Fiscal Year 2020

District 2 Projects Under Evaluation

2020 District 2 - Transportation Projects

Transportation Facility Information	Roop Street Northridge Dr to Washington St (Surface Treatment)	Saliman Road Long St to Fairview Dr (Surface Treatment)	Winnie Lane Carson St to Roop St (treatment to be determined)	Long Street Roop St to Russel Wy (treatment to be determined)	Russel Way Northridge Dr to William St (treatment to be determined)	Northridge Drive Roop St to Jarbidge Ct (Surface Treatment)	Northridge Drive Jarbidge Ct to Southerest Rd (Rehabilitation)	Telegraph Street Carson St to Plaza St (Rehabilitation)
Pavement Condition	74	79	69	52	78	68	36	24
Square Footage	276,067	497,087	54,324	208,491	64,218	94,365	49,445	6,058
Project Length (Centerline ft)	6,292	8,032	1,264	5,274	1,896	2,771	1,545	233
Scoring Categories	Pavement Condition (Maximum Available Points 9)							
	Volume, Annual Average Daily Trips (Maximum Available Points 9)							
	Number of Crashes (Maximum Available Points 6)							
	Function Classification (Maximum Available Points 3)							
	Bus Route (Maximum Available Points 3)							
ADA Transition Plan/Improvements (Maximum Available Points 2)								
Project Score (Max Score 32)	31	26	26	20	20	18	15	15
Order of Ranking	1st	2nd	2nd	3rd	3rd	4th	5th	5th

Contact Information

Lucia Maloney, PMP

Transportation Manager, Carson City Public
Works

775-283-7396

lmaloney@carson.org

Thank you!