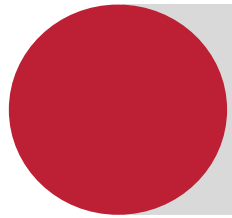


2020 Transportation Bond Presentation

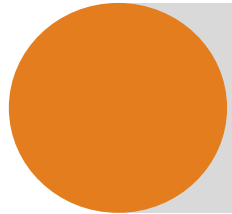
City Council Study Session
February 13, 2020

RJ Zeder, Transportation Director
Erik Guderian, Deputy Transportation Director

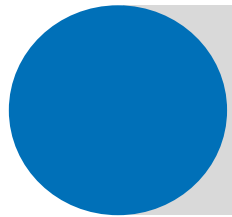
Overview



Mesa Moves Overview



Previous Investment in Transportation



Planned Transportation Projects

Mesa Moves: Overview

Objective

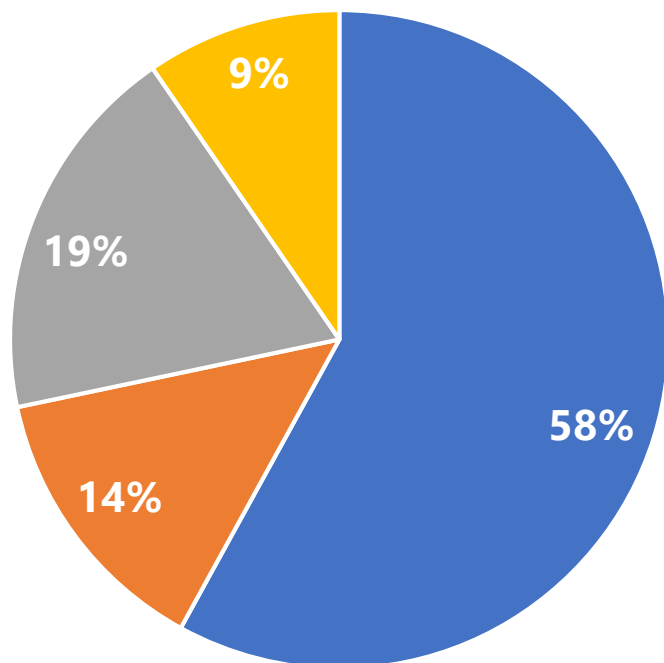
Create a bilingual community engagement campaign to collect feedback for transportation infrastructure priorities for city staff to develop recommendations to City Management and City Council on highest priority projects for future funding consideration.

Public Outreach in 2019

- **6,222** Completed Surveys - 7 Questions
 - Website (English/Spanish), Google Publisher, Telemundo
- **8** Key Stakeholder In-Depth Interviews completed
- **5** Focus Groups held
- **4** Community Meetings

Mesa Moves: Survey Results

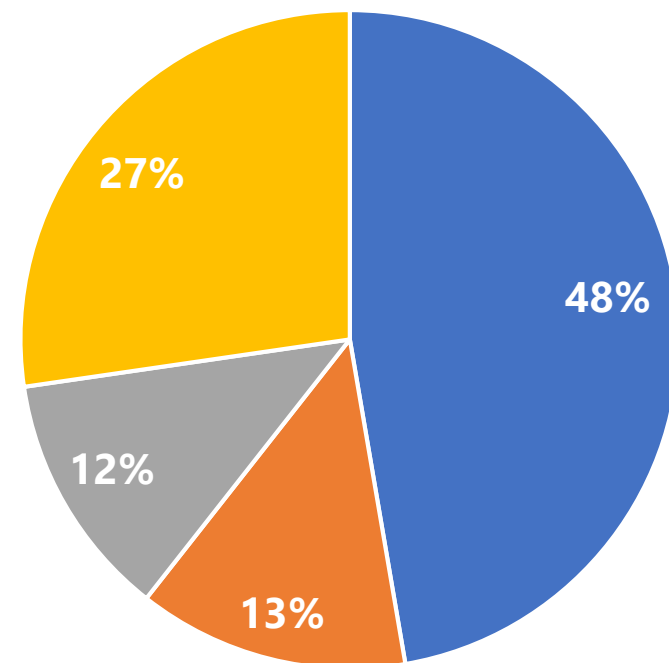
Most Important During Commute



■ Minimal Congestion
■ Alternate Modes

■ Remove Bottlenecks
■ Adequate Bike Lanes

Transportation Initiatives Excluding Safety



■ Well Maintained
■ Additional Bike

■ Well Planned
■ Well Connected

Mesa Moves: Feedback Results

Safety

- *Safe roadways, safe intersections*
- *Focus on bike/ped safety*

Maintenance

The City does a good job, but there is a general lack of information regarding budget and needs

Return on Investment

- *Provide details on why projects are needed/benefit of finished project*
- *How do projects impact citizens' quality of life*

Mesa Moves: Results

Project Groupings

- Street Enhancements
- Arterial Reconstruction/Drainage
- Multimodal
- Shared-Use Bike and Pedestrian Paths
- Smart City Technology



MESA MOVES
CONNECTING PEOPLE TO PLACES

Recent Transportation Projects

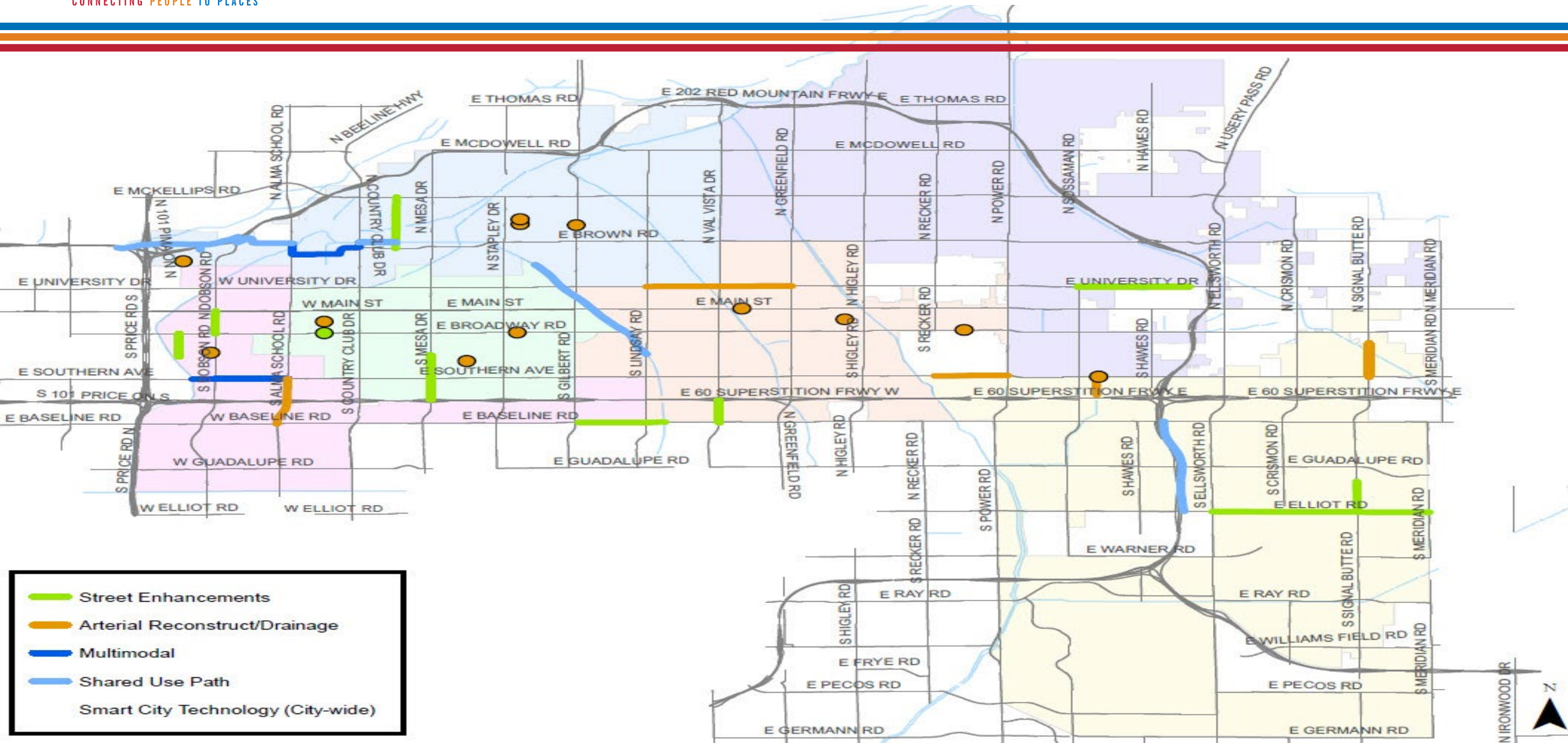
Projects 2012- 2019

Category	# of Projects	Total Investment (millions)	Reimbursement/Grant (millions)
Street Enhancements	14	\$52.2	\$31.4
Arterial Reconstruction/Drainage	20	\$77.2	\$0.0
Multimodal	3	\$17.0	\$1.8
Shared-Use Paths	4	\$8.1	\$3.3
Smart City Technology	5	\$6.8	\$0.8
Total	46	*\$165.3	\$37.3

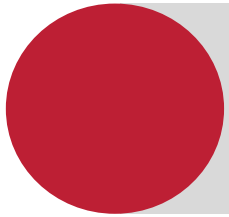
* Net \$128M of City of Mesa funding includes Bonds, HURF, Local Street Sales Tax and Transportation Operating Funds

CONNECTING PEOPLE TO PLACES

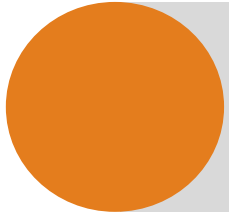
Recent Transportation Projects



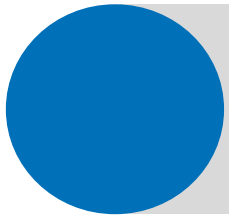
Economic Activity



Elliot Road



Rio Salado



Southern Avenue

Elliot Road Tech Corridor



Apple Global Command Center



EdgeCore Data Center



Niagara Water



Dignity Health Hospital



Rio Salado Stadium Connector



Waypoint



Cubs - Sloan Park



Sheraton Riverview



Union



Southern Avenue Fiesta District



Southern Villas



24-7 Intouch



Santander



**National General Lender
Services**



Planned Transportation Projects

Assumptions

Eight-year forecast (FY21-FY28)

Projects based on:

- Existing CIP Projects identified as needs
- Mesa Moves feedback
- Regional Arterial Life Cycle Program (ALCP) availability
- Maintenance/Life Cycle replacement needs
- Multi-modal and Shared Use Path Priorities
- SE Mesa Land Use and Transportation Plan

Planned Transportation Projects

8-Year Project Forecast

Category	# of Projects	Total Investment (millions)	Reimbursement/Grant (millions)
Street Enhancements	14	\$142.8 (\$62.3 Utilities)	\$86.4 ALCP \$15.0 Gilbert/MCDOT
Arterial Reconstruction/Drainage	11	\$131.5 (\$13.7 Utilities)	
Multimodal	2	\$12.2	
Shared-Use Paths	5	\$26.5	\$4.3 Federal Grant
Smart City Technology	3	\$5.7	\$1.8 Federal Grant
Citywide Transportation/Transit Projects	4	\$20.3	
Total	39	\$339.0	\$107.5

Note: Based on Mesa Moves Input, Adopted CIP, SE Mesa Land Use and Transportation Plan Update, and safety/capacity studies

Planned Transportation Projects

Street Enhancements Prioritization Matrix

Priority	Project Name	ALCP Eligible	LOS	Crash	Pavement Condition	Utility Priority	Utility Affected
1	Signal Butte Road Improvements: Williams Field to Pecos	High	High	High	New	High	Water, WW
2	Signal Butte Road Improvements: Pecos to Germann	High	High	High	New	High	Water, WW
3	Broadway Rd: Mesa to Stapley (Lesueur to Spur)	High	High	High	Low	High	Water
4	Southern Ave & Country Club Drive Roadways	Low	Low	High	High	High	Gas, WW
5	Ellsworth - From City Limit to SR24	Med	High	High	High	Low	
6	Sossaman and Baseline	Med	Med	High	Low	Low	
7	Ray Road Connection to Ellsworth	Med	High	Med	New	Low	
8	Stapley Drive and University Drive Intersection	High	High	Med	High	Med	Gas, WW
9	Val Vista Dr.: Pueblo to US 60	High	High	High	High	Med	Gas
10	Sossaman - Ray to Warner	Med	Med	Low	New		
11	Elliot: Ellsworth to Sossaman	High	Low	Low	Med		
12	Southern Ave Improvements: Gilbert to Val Vista Dr	High	Low	Low	High		
13	Power Road Improvements: EMF to SR202L	High	Low	Low	MCDOT Road	Low	
14	Broadway Road: Country Club to Mesa Dr	High	Low	High	Low		

Planned Transportation Projects

Street Enhancements

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Signal Butte Road Improvements: Williams Field to Pecos	\$9.5	\$0	\$9.5
2	Signal Butte Road Improvements: Pecos to Germann Rd	\$6.8	\$0	\$6.8
3	Broadway Rd: Mesa to Stapley Dr (Lesueur to Spur)	\$17.5	\$14.0	\$31.5
4	Southern Ave & Country Club Drive Roadways	\$1.0	\$7.6	\$8.5
5	Ellsworth - From City Limit to SR24	\$6.2	\$0.0	\$6.2
6	Sossaman and Baseline Rd	\$1.2	\$0.0	\$1.2
7	Ray Road Connection to Ellsworth Rd	\$6.8	\$0.0	\$4.8
8	Stapley Dr and University Dr Intersection	\$9.4	\$1.9	\$11.3
9	Val Vista Dr.: Pueblo to U.S. 60	\$7.9	\$4.4	\$12.3
10	Sossaman - Ray to Warner Rd	\$4.4	\$0.0	\$4.4
11	Elliot: Ellsworth to Sossaman Rd	\$18.1	\$0.0	\$18.1
12	Southern Ave Improvements: Gilbert to Val Vista Dr	\$7.2	\$2.5	\$9.7
13	Power Road Improvements: East Maricopa Floodway to SR202L	\$32.2	\$0.0	\$32.2
14	Broadway Road: Country Club to Mesa Dr	\$14.6	\$31.9	\$46.5

Planned Transportation Projects

Arterial Reconstruction/Drainage

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Arterial Reconstructions	\$51.1	\$2.5	\$53.6
2	1st Ave - Phase 2-4 Hibbert to Country Club Dr	\$5.6	\$7.5	\$13.1
3	Pecos Road - Ellsworth to Meridian Rd	\$52.5	\$0.0	\$52.5
4	Lehi Road/Horne Road/Sorenson Road Improvements and Drainage Improvements	\$22.2	\$0.0	\$22.2

Multimodal

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Center Street: Stadium Connector to Broadway Rd Separated Bike Lane	\$6.8	\$0.0	\$6.8
2	Main Street Complete Streets - Gilbert to Sossaman	\$5.4	\$0.0	\$5.4

Planned Transportation Projects

Shared-Use Paths

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Eastern Canal Shared-Use Path Broadway to Baseline Rd	\$3.1	\$0.0	\$3.1
2	Red Mountain Shared-Use Path-Power Rd	\$6.3	\$0.0	\$6.3
3	Mesa Gateway Shared-Use Phase 3 Hawes to Power Rd	\$5.9	\$0.0	\$5.9
4	US60 Shared-Use - Consolidated to Eastern Canal	\$7.7	\$0.0	\$7.7
5	Lehi Crossing - Phase II Gilbert to Val Vista Dr	\$3.4	\$0.0	\$3.4
6	*Granite Reef Shared-Use Path Val Vista to Greenfield Rd	*\$9.2	\$0.0	*\$9.2

* 0.7 miles are within City of Mesa boundaries (4.6 Miles total)

Planned Transportation Projects

Smart City Technology

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Next Generation Field Network Upgrade	\$2.4	\$0.0	\$2.4
2	Realtime Adaptive Signal Timing Upgrade Program	\$1.1	\$0.0	\$1.1
3	Signal Detection Upgrade Program	\$2.2	\$0.0	\$2.2

Citywide Transportation/Transit Projects

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Street Improvement Cityshare	\$5.3	\$0.0	\$5.3
2	Streetlight Spot Improvements	\$2.3	\$0.0	\$2.3
3	Economic Development Infrastructure	\$12.8	\$0.0	\$12.8
4	Bus Stop Shelters	\$1.2	\$0.0	\$1.2



Planned Transportation Projects

ALCP Discussion

- Proposition 400 sales tax sunsets December 31, 2025
- 70%/30% split between regional funding and local city funding
- Projects must be under construction by this time to receive reimbursement
- Proposed projects estimated to receive \$86.4M in reimbursements (may be more if project costs increase)
- Mesa currently has an additional \$44.4M of unallotted ALCP (\$42.1M in FY26)

Planned Transportation Projects

Prioritization of Projects

2020 Bond Size	# of Projects	# of ALCP Projects	ALCP Reimbursement
\$100M	12	8	\$47.8M
\$150M	17	10	\$63.3M
\$200M	24	11	\$68.0M
\$250M	27	13	\$86.4M

Questions/Discussion



Planned Transportation Projects

Prioritization of Projects: \$100M

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Signal Butte Road Improvements: Williams Field to Pecos*	\$9.5	\$0	\$9.5
2	Signal Butte Road Improvements: Pecos to Germann*	\$6.8	\$0	\$6.8
3	Broadway Rd: Mesa to Stapley (Lesueur to Spur)*	\$17.5	\$14.0	\$31.5
4	Southern Ave & Country Club Drive Roadways	\$0.9	\$7.6	\$8.5
5	Arterial Reconstructions #1	\$22.6	\$2.5	\$25.1
6	Center Street: McKellips to 10th Ave - Separated Bike Lane	\$6.8	\$0.0	\$6.8
7	Eastern Canal Shared-Use Path Broadway to Baseline	\$3.1	\$0.0	\$3.1
8	Ellsworth - From City Limit to SR24*	\$6.2	\$0.0	\$6.2
9	Sossaman and Baseline*	\$1.2	\$0.0	\$1.2
10	Ray Road Connection to Ellsworth*	\$6.8	\$0.0	\$6.8
11	Stapley Drive and University Drive Intersection*	\$9.4	\$1.9	\$11.3
12	Val Vista Dr.: Pueblo to US 60*	\$7.9	\$4.4	\$12.3

* Eligible for ALCP reimbursement

Planned Transportation Projects

Prioritization of Projects: \$150M

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Red Mountain SUP-Power Rd	\$6.3	\$0.0	\$6.3
2	Lehi Crossing - Phase II Gilbert to Val Vista Dr	\$3.4	\$0.0	\$3.4
3	Sossaman - Ray to Warner Rd*	\$4.4	\$0.0	\$4.4
4	Elliot: Ellsworth to Sossaman*	\$18.1	\$0.0	\$18.1
5	Arterial Reconstructions #2	\$21.5	\$0.0	\$21.5

* Eligible for ALCP reimbursement

Planned Transportation Projects

Prioritization of Projects: \$200M

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Southern Ave Improvements: Gilbert to Val Vista Dr*	\$7.2	\$2.5	\$9.7
2	US60 SUP - Consolidated to Eastern Canal	\$7.7	\$0.0	\$7.7
3	ITS Field Network Upgrade	\$2.4	\$0.0	\$2.4
4	Mesa Gateway SUP Phase 3 Hawes to Power Rd	\$5.9	\$0.0	\$5.9
5	1st Ave - Phase 2-4 Hibbert to Country Club Dr	\$5.6	\$7.5	\$13.1
6	Realtime Adaptive Signal Timing Upgrade Program	\$1.1	\$0.0	\$1.1
7	Signal Detection Upgrade Program	\$2.2	\$0.0	\$2.2

* Eligible for ALCP reimbursement

Planned Transportation Projects

Prioritization of Projects: \$250M

Priority	Project Name	Transportation Total (millions)	Other/Utilities Total (millions)	Total (millions)
1	Power Road Improvements: EMF to SR202L*	\$32.2	\$0.0	\$32.2
2	Broadway Road: Country Club to Mesa Drive*	\$14.6	\$31.9	\$46.5
3	Arterial Reconstructions #3	\$7.0	0.0	\$7.0

* Eligible for ALCP reimbursement