

An aerial photograph showing a winding river and a large wetland area. The river flows from the top right towards the bottom left. The wetland area is characterized by a mix of brown, tan, and green vegetation. A prominent white path or road curves through the wetland, following the river's edge. In the background, a city with numerous houses and buildings is visible under a clear blue sky. A semi-transparent dark blue rectangular box is overlaid on the upper left portion of the image, containing the text 'APPENDIX D' and 'PRIORITIZATION RESULTS' in white.

APPENDIX D

PRIORITIZATION RESULTS

Adams County TMP Prioritization Methodology

The following inputs will be used to prioritize proposed bicycle and roadway projects in the Adams County Transportation Master Plan. The inputs reflect the plan metrics that were identified during Phase I. The proposed inputs are:

- **Access to key destinations:** facilities within 1/2 mile of everyday destinations
- **Safety:** high crash locations with fatal and severe injury crashes weighted more heavily
- **Demand:** population + employment density
- **Alignment with land use plan:** proximity to future high density land uses and town/urban centers
- **Equity:** low income households
- **Sustainability:** potential of project to create an opportunity for Adams County community members to choose transportation modes other than driving

Each section below describes how prioritization points will be assigned for each input. For each individual score, thresholds for scores 1-5 will be defined based on the breaks established in the data, via quintiles. For example, block groups with the lowest 20% of population and employment density will receive a demand score of 1, while those with the highest 20% of density will receive a demand score of 5. "Q1-Q5" represent these yet-to-be-determined quintiles.

1. **Access to key destinations (Weighted x2)** – *Does the proposed project provide access to key destinations?*

Equally weighted; Projects within a ½ mile buffer of the following key destinations:

- Bus Stops
- Rail Stops
- Schools
- Hospitals/Urgent Care
- Public Libraries
- Government/Civic Buildings
- Grocery Stores
- Recreation Centers
- Parks and Open Lands

Table 1: Key Destinations Scoring System

Score	Roadway Projects (Number of Key Destinations)	Bikeway Projects (Number of Key Destinations)
1	0	0-4
2	1-7	5-14
3	8-30	15-30
4	31-40	31-42
5	41-107	43-163

2. **Safety (Weighted x2)** – *Does the proposed project address roadway safety concerns in the City?*

Number of crashes on a proposed project segment. Crashes resulting in death or severe injury will be weighted as two crashes. For the bikeway projects, each crash involving a

cyclist or pedestrian will be weighted as four crashes when scoring bicycle and pedestrian projects. Bicycle and pedestrian-involved crashes are less prevalent nominally but tend to be more severe in nature. Weighting bicycle and pedestrian-involved crashes more heavily helps to normalize crash data during the prioritization process.

Table 2: Corridor Safety Scoring

Score	Roadway projects Total number of crashes, with those resulting in serious injury or fatality counting as 2	Bicycle and Pedestrian projects Crashes resulting in injury or fatality counts as 2, Bike or pedestrian involved crashes counted as 4
1	0	0
2	1-2	1-12
3	3-10	13-38
4	11-62	39-94
5	63-496	95-469

3. **Demand** – How many people does the proposed project serve?

Based on a transportation demand index that was developed using two factors:

- Max Population density (pop/mi²) + Max Employment Density (Job/mi²)

Table 3: Demand Scoring

Score	Corridors (Max Population + Employment Density/Mi)
1	0-2,500
2	2,501-5,000
3	5,001-7,500
4	7,501-10,000
5	10,001+

4. **Equity** – Does this project improve access for underserved (i.e. low income) populations?

Table 4: Equity Scoring

Score	Min Median Household Income of Census Tract
1	100,001+
2	75,001-100,000
3	65,001-75,000
4	50,001-65,000
5	<50,000

5. **Alignment with land use plan** – Does the project fall within geographies that the Adams County proposed future land use plan designate as high density? Also, does the project fall within the proposed future town or urban centers?

Table 5: Land Use Scoring

Score	Relationship to Future Land Use
1	<i>Project intersects a one mile buffer of a future high density area or town/urban center</i>
2	<i>Project is directly adjacent to (intersects) a future high density area or town/urban center</i>
3	<i>Project is mostly within (have their center in) a future high density area or town/urban center</i>

6. **Sustainability** – How well does the project reduce vehicle trips, taking into account induced demand and bikeway comfort?

Roadway projects:

- -1 point: Widen by 2 lanes
- -2 points: Widen by 4 lanes
- -3 points: New 2 lane roadway
- -4 points: New 4 lane roadway
- +2 points: Remove 2 travel lanes
- 0 points: Managed lanes or study improvements

Bikeway projects:

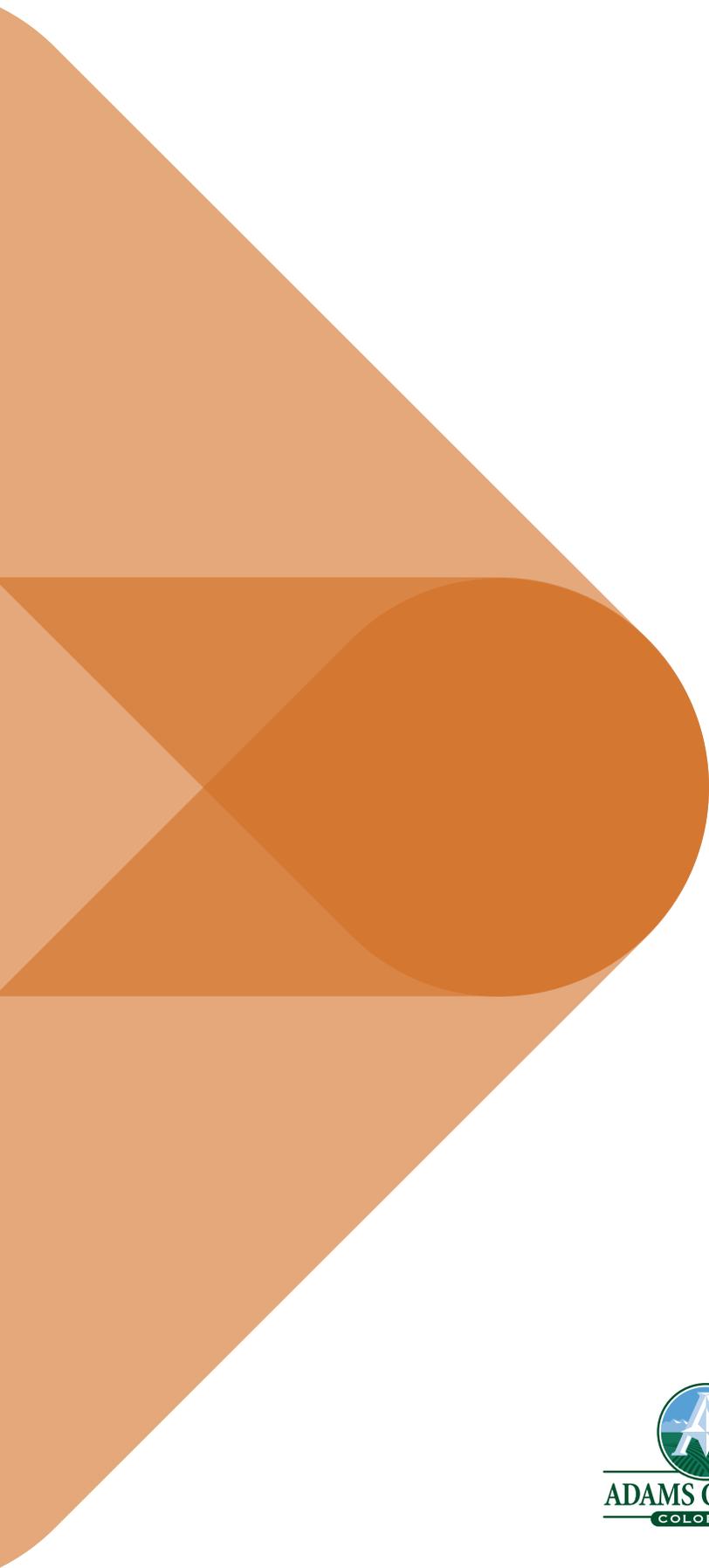
- +1 point: On-street facility
- +2 points: Sidepath
- +3 points: Trail

Type	Facility name	Extent	Extent	Length (mi)	Planning level		
					cost estimate	FinalScore	Tier
On-Street	Washington St	E 83rd Dr	E 52nd Ave	3.83	\$475,000	22	1
Sidepath	E Montview Blvd	Central Park Blvd	Fitzsimons Pkwy	2.93	\$1,466,000	22	1
Trail	TBD	Montview Blvd	Colfax Ave	0.73	\$4,449,000	22	1
On-Street	E 160th Ave	Colorado Blvd	27th Ave	7.90	\$981,000	21	1
On-Street	E 56th Ave	Eudora St	E-470	11.34	\$1,408,000	21	1
Sidepath	Fitzsimons Pkwy	Montview Blvd	13th Ave	0.80	\$400,000	21	1
Sidepath	Lowell Blvd	W 97th Ave	Denver Boulder Turnpike	2.31	\$1,157,000	21	1
Sidepath	Welby Rd/Devonshire Blvd	E 88th Ave	Niver Creek Trail	1.02	\$508,000	21	1
On-Street	Broadway Blvd	84th Ave	Denver Boulder Turnpike	1.60	\$199,000	20	1
On-Street	Essex Dr/84th Ave	Washington St	Devonshire Blvd	1.26	\$156,000	20	1
On-Street	Lowell Blvd	W 67th Ave	W 52nd Ave	1.87	\$232,000	20	1
Sidepath	York St	Niver Creek Trail	South Platte Trail	2.08	\$1,040,000	20	1
On-Street	76th Ave/El Paso Blvd	Zuni St	Conifer Rd	1.35	\$168,000	19	1
On-Street	E 104th Ave	Colorado Front Range Trail	E-470	7.44	\$923,000	19	1
On-Street	Explorador Calle/Rainbow Ave	88th Ave	Coronado Pkwy	1.08	\$134,000	19	1
On-Street	Federal Blvd	Little Dry Creek Trail	Clear Creek Trail	1.06	\$132,000	19	1
On-Street	Fulton St	E 26th Ave	Montview Blvd	0.50	\$62,000	19	1
On-Street	Greenwood Blvd	84th Ave	Broadway Blvd	1.87	\$232,000	19	1
On-Street	Zuni St	84th Ave	Fern Dr	1.84	\$93,000	19	1
Sidepath	Chambers Rd	E 40th Ave	Moncrieff Pl	0.71	\$251,000	19	1
Sidepath	E 120th Pkwy	Holly St	US-85	3.48	\$1,741,000	19	1
Trail	TBD	South Platte Trail	Pena Blvd	12.38	\$3,434,000	19	1
Trail	Westerly Creek Trail	E 26th Ave	Montview Blvd	0.55	\$1,086,000	19	1
On-Street	Dahlia St	Frontage Rd	E 70th Ave	1.41	\$175,000	18	1
On-Street	E 96th Ave	Colorado Blvd	Heinz Way	3.60	\$447,000	18	1
On-Street	McElwain Blvd	88th Ave	Devonshire Blvd	0.83	\$103,000	18	1
On-Street	Tennyson St	W 63rd Dr	W 52nd Ave	1.41	\$176,000	18	1
On-Street	W 64th Ave	Tennyson St	Clear Creek Trail	1.49	\$185,000	18	1
On-Street	W 70th Ave	Pecos St	Broadway Blvd	1.00	\$124,000	18	1
On-Street	Welby Rd/E 86th Ave	E 88th Ave	Colorado Blvd	0.95	\$118,000	18	1
Sidepath	Chambers Rd	Montview Blvd	Colfax Ave	0.50	\$355,000	18	1
On-Street	Buckley Rd	Bridge St	120th Ave	5.04	\$626,000	17	1
On-Street	CO-2	Eisenhower Hwy	E 53rd Ave	0.67	\$83,000	17	1
On-Street	Iola St	E 26th Ave	Montview Blvd	0.51	\$64,000	17	1
On-Street	Pecos St	Clear Creek Trail	56th Ave	1.08	\$134,000	17	1
On-Street	Clear Creek - Federal Station	Clear Creek Trail	Clear Creek - Federal Station	0.17	\$21,000	16	2
Sidepath	E 120th Ave	US-85	High Plains Pkwy	3.55	\$276,000	16	2
Sidepath	Washington St	Washington Center Pkwy	120th Ave	0.36	\$138,000	16	2
On-Street	E 120th Ave	High Plains Pkwy	Imboden Rd	10.99	\$1,364,000	15	2
On-Street	E 66th Ave	Washington St	York St	1.00	\$124,000	15	2
On-Street	Sable Blvd	Bromley Ln	E-470	3.01	\$374,000	15	2
On-Street	W 55th Pl/W 56th Ave	Julian St	Pecos St	1.44	\$179,000	15	2
Sidepath	E 120th Ave	Sheridan Blvd	Federal Blvd	0.55	\$1,775,000	15	2
Sidepath	Washington St	E 104th Ave	E 102nd Ave	0.28	\$182,000	15	2
Trail	TBD	Chambers Rd	120th Ave	5.29	\$24,226,000	15	2
Trail	TBD	Adams County Boundary	56th Ave	2.27	\$1,429,000	15	2
On-Street	E 124th Ave	Park Blvd	Sable Blvd	3.10	\$385,000	14	2
On-Street	Jordan Dr	Zuni St	W 70th Ave	0.56	\$70,000	14	2
On-Street	N Imboden Rd	US-6	Colfax Ave	24.38	\$3,027,000	14	2
On-Street	Zuni St	W 59th Pl	W 52nd Ave	0.75	\$228,000	14	2
Sidepath	S 4th Ave/Sable Blvd	Bromley Ln	144th Ave	0.99	\$493,000	14	2
Trail	Little Dry Creek Trail Spur	Little Dry Creek Trail	Midtown	0.02	\$50,000	14	2
On-Street	Colorado Blvd	141st Ave	CO-7	2.27	\$282,000	13	2
On-Street	E 112th Ave	Peoria St	Picadilly Rd	5.99	\$744,000	13	2
On-Street	E 144th Ave	Brighton Rd	27th Ave	2.70	\$336,000	13	2
Sidepath	So. Platte River Trail	Adams County Boundary	Smith Park	0.77	\$386,000	13	2
Sidepath	US-6	E 152nd Ave	Eagle Blvd	1.45	\$723,000	13	2
Trail	So. Platte River Trail	South of 120th Ave	124th Ave	0.76	\$1,513,000	13	2
On-Street	E 136th Ave	Monaco St	Riverdale Rd	2.19	\$272,000	12	2
On-Street	E 56th Ave	E-470	West Sand Creek	13.07	\$1,623,000	12	2
On-Street	US-36	Imboden Rd	Monroe St	14.45	\$1,794,000	12	2
On-Street	W 115th Ave	Sheridan Blvd	Wolff St	0.27	\$33,000	12	2
Sidepath	E Colfax Ave	Himalaya Rd	E-470	1.93	\$218,000	12	2
Sidepath	E Colfax Ave	Espana St	Himalaya Rd	0.44	\$963,000	12	2
Sidepath	E-470 Trail	South Platte Trail	Second Creek Trail	2.56	\$745,000	12	2
Trail	Little Dry Creek Trail Spur	Little Dry Creek Trail	Midtown	0.03	\$37,000	12	2
Trail	So. Platte River Trail	North of 144th Ave	South of Bromley Ln	1.05	\$1,501,000	12	2
Trail	TBD	E 168th	E-470	1.75	\$2,317,000	12	2
On-Street	TBD	Bromley Ln	E-470	3.10	\$385,000	11	3
Trail	First Creek Trail	E 38th Ave	Colfax Ave	2.71	\$5,299,000	11	3
Trail	So. Platte River Trail	120th Ave	104th Ave	2.13	\$2,050,000	11	3
Trail	So. Platte River Trail	South of 120th Pkwy	North of 120th Pkwy	0.42	\$4,175,000	11	3

Trail	TBD	So. Platte River Trail	Brighton Rd	0.62	\$10,357,000	11	3
Trail	TBD	120th Ave	E 112th Ave	1.18	\$1,218,000	11	3
Trail	TBD	Brighton Rd	US-85	0.45	\$877,000	11	3
On-Street	CO-79	E 112th Ave	Palmer Ave	9.61	\$1,193,000	10	3
On-Street	E 38th Ave	Harback Rd	Kiowa Bennett Rd	3.00	\$373,000	10	3
On-Street	Holly St	E 160th Ave	E 144th Ave	1.99	\$246,000	10	3
On-Street	Manilla Rd	E 72nd Ave	Eisenhower Hwy	4.81	\$597,000	10	3
On-Street	Picadilly Rd	E 152nd Ave	E 122th Ave	5.00	\$620,000	10	3
On-Street	S 50th Ave	E Southern St	Frontage Rd	0.41	\$51,000	10	3
On-Street	TBD	E Southern St	E 152nd Ave	0.51	\$63,000	10	3
On-Street	Tower Rd	E Southern St	E 152nd Ave	0.48	\$59,000	10	3
Sidepath	Quivas St	W 136th Ave	End of Quivas St	0.30	\$148,000	10	3
Trail	So. Platte River Trail	North of E-470	North of 144th Ave	0.77	\$832,000	10	3
On-Street	E 132nd Ave	Second Creek Trail	US-6	2.61	\$325,000	9	3
On-Street	E 60th Ave	Dunkirk St	New Trail	0.69	\$85,000	9	3
On-Street	Monroe St	E 26th Ave	US-36	0.98	\$122,000	9	3
On-Street	Pecos St	W 152nd Ave	W 144th Ave	1.07	\$133,000	9	3
On-Street	Spruce Ave	Aspen St	Basil St	0.70	\$87,000	9	3
On-Street	Wagner St	E 24th Ave	US-36	0.82	\$102,000	9	3
Sidepath	E-470 Trail	East of Boston St	Fishing Is Fun Pond	1.46	\$531,000	9	3
Sidepath	E-470 Trail	Rail Tracks	Signal Ditch	1.06	\$772,000	9	3
Trail	So. Platte River Trail	Fishing Is Fund Pond	North of E-470	0.77	\$1,479,000	9	3
On-Street	E 132nd Ave	Barr Lake	Picadilly Rd	0.48	\$60,000	8	3
On-Street	E 88th Ave	Imboden Rd	Strasberg Rd	13.99	\$1,737,000	8	3
On-Street	Henderson Rd	Riverdale Rd	Park Blvd	0.39	\$49,000	8	3
On-Street	W 152nd Ave	Zuni St	Huron St	0.98	\$122,000	8	3
Sidepath	E-470 Trail	Signal Ditch	Quebec St	1.49	\$731,000	8	3
On-Street	E 144th Ave	Imboden Rd	Strasburg Rd	14.01	\$1,740,000	7	3
On-Street	Strasburg Rd	144th Ave	88th Ave	6.97	\$866,000	7	3
On-Street	W 149th Ave	Zuni St	Huron St	0.98	\$122,000	7	3
Sidepath	E-470 Trail	Quebec St	East of Boston St	1.54	\$1,279,000	7	3

Project	Corridor name	Extents	Length (mi)	Planning level		Tier
				cost estimate	FinalScore	
Study improvements	Pecos St	I-76 to 84th Ave	2.77	\$485,000	21	1
Study improvements	Federal Blvd	52nd to 72nd Ave	4.00	\$699,000	20	1
Study improvements	Sheridan Blvd	52nd to 72th Ave	2.50	\$438,000	19	1
Widen by 2 travel lanes	York St	58th Ave to 88th Ave	4.41	\$13,633,000	19	1
Widen by 2 travel lanes	CO-224	Broadway St to US 85	2.00	\$6,184,000	18	1
Study improvements	CO-7	I-25 to US 85	8.80	\$2,200,000	18	1
Study improvements	E 96th Ave	Colorado Blvd to I-76	2.42	\$424,000	15	1
New 4 lane roadway	Colorado Blvd	88th Ave to I-76	1.62	\$16,078,000	14	1
Widen by 4 travel lanes	E 120th Ave	US-85 to Tower	4.57	\$21,408,000	14	1
Study improvements	Monaco St	104th Ave to 88th Ave	1.91	\$191,000	14	1
Widen by 2 travel lanes	Pecos St	52nd to 58th	0.70	\$2,179,000	14	1
Widen by 2 travel lanes	Buckley Rd	120th Ave to 136th Ave	4.01	\$12,383,000	12	1
Widen by 2 travel lanes	E 120th Ave	Tower to Imboden	9.98	\$30,837,000	12	1
New 2 lane roadway	E 152nd Ave	I-76 to Imboden	8.94	\$58,363,000	11	1
New 2 lane roadway	E 104th Ave	Shamrock to Winview	3.89	\$25,370,000	10	1
Widen by 2 travel lanes	E 104th Ave	Colorado Blvd to I-76	3.82	\$11,796,000	9	1
New 2 lane roadway	E 120th Ave	SH 79 to Strasburg	5.02	\$32,753,000	9	1
New 2 lane roadway	Hudson Rd	US 36 to 72nd Ave	5.89	\$38,478,000	9	1
New 2 lane roadway	Imboden Rd	56th Avenue to 160th	13.01	\$84,911,000	9	1
New 2 lane roadway	CO-79	I-70 to 168th Ave	17.89	\$116,775,000	8	2
Widen by 2 travel lanes	E 120th Ave	Holly St to US 85	7.62	\$23,548,000	8	2
New 2 lane roadway	E 56th Ave	Imboden to SH 79	15.01	\$97,946,000	8	2
New 4 lane roadway	Piccadilly Rd	96th Ave to 120th Ave	3.03	\$29,947,000	8	2
Widen by 2 travel lanes	E 168th Ave	I-25 to Quebec St	3.85	\$11,892,000	7	2
New 2 lane roadway	Harvest Rd	120th Ave to 168th Ave	5.96	\$38,913,000	7	2
New 2 lane roadway	Manilla Rd	I-70 to 48th Ave	2.98	\$19,484,000	7	2
New 2 lane roadway	Schumaker Rd	I-70 to 136th Ave	13.99	\$91,286,000	7	2
New 2 lane roadway	TBD	E-470 to E 152nd Pkwy	1.39	\$9,066,000	7	2
New 2 lane roadway	E 120th Ave	Deter to Shamrock	8.66	\$56,501,000	6	2
New 2 lane roadway	E 48th Ave	Imboden Rd to Manilla Rd	3.00	\$19,574,000	6	2
New 2 lane roadway	E 64th Ave/TBD	E 56th Ave to E 64th Ave	1.36	\$8,871,000	6	2
New 2 lane roadway	Mimosa Rd	112th Ave to 168th Ave	7.05	\$46,018,000	6	2
New 2 lane roadway	Piccadilly Rd	120th Ave to 152nd Ave	4.00	\$26,126,000	6	2
New 2 lane roadway	Strasburg Rd	48th Ave to 144th Ave	12.01	\$78,412,000	6	2
New 2 lane roadway	Cty Rd 24	Watkins Rd to E 48th Ave	1.99	\$12,987,000	5	2
New 4 lane roadway	Imboden Rd	I-70/Quail Run Rd to 56th Ave	3.53	\$34,947,000	5	2
New 2 lane roadway	Manilla Rd	56th Ave to 144th Ave	11.00	\$71,813,000	5	2
New 2 lane roadway	Piggott Rd	US 36 to 48th Ave	3.01	\$19,619,000	5	2
New 2 lane roadway	Strasburg Rd	US 36 to 48th Ave	5.90	\$38,500,000	5	2
New 2 lane roadway	Watkins Rd	Watkins Rd to Imboden Rd	1.02	\$6,678,000	5	2
New 2 lane roadway	Winview Rd	US 36 to 56th Ave	18.04	\$117,767,000	5	2
New 2 lane roadway	Calhoun-Byers Rd	US 36 to 88th Ave	8.05	\$52,553,000	4	3
New 2 lane roadway	E 112th Ave	Rector to Deter	4.02	\$26,241,000	4	3
New 2 lane roadway	E 120th Ave	Imboden to SH 79	8.92	\$58,230,000	4	3
New 2 lane roadway	E 144th Ave	Imboden to Peoria Crossing	24.96	\$162,938,000	4	3
New 2 lane roadway	Petterson Rd	144th Ave to 168th Ave	3.02	\$19,745,000	4	3
New 2 lane roadway	Rector Leader Rd	US 36 to 112th Ave	10.98	\$71,681,000	4	3
New 2 lane roadway	E 112th Ave	Strasburg to Horrogate	10.33	\$67,450,000	3	3
New 2 lane roadway	E 152nd Ave	Mimosa to Philmay	5.93	\$38,677,000	3	3
New 2 lane roadway	E 56th Ave	Bradbury to Rector	9.01	\$58,789,000	3	3
New 2 lane roadway	E 56th Ave	East Rd to Winview	2.93	\$19,118,000	3	3
New 2 lane roadway	E 64th Ave	Strasburg to Bradbury	4.03	\$26,337,000	3	3
New 2 lane roadway	Hanks Crossing	US 36 to 112th Ave	10.94	\$71,425,000	3	3
New 2 lane roadway	Headlight Rd	US 36 to 48th Ave	2.98	\$19,446,000	3	3
New 2 lane roadway	Horrogate Rd	112th Ave to 148th Ave	4.63	\$30,230,000	3	3
New 2 lane roadway	Imboden Rd	160th to 168th	1.05	\$6,886,000	3	3
New 2 lane roadway	Peoria Crossing Rd	136th Ave to 168th Ave	4.03	\$26,315,000	3	3
New 2 lane roadway	Shamrock Rd	96th Ave to 168th Ave	9.04	\$59,032,000	3	3
New 2 lane roadway	Wolf Creek Rd	26th Ave to 48th Ave	1.98	\$12,920,000	3	3
New 2 lane roadway	Yulle Rd	I-70 to 56th Ave	4.38	\$28,610,000	3	3
New 2 lane roadway	Behrens Rd	88th Ave to 112th Ave	3.01	\$19,649,000	2	3
New 2 lane roadway	Bradbury-Krebs Rd	US 36 to 168th Ave	18.07	\$117,924,000	2	3
New 2 lane roadway	Deter-Winters Rd	112th Ave to 152nd Ave	5.06	\$33,035,000	2	3
New 2 lane roadway	E 96th Ave	Behren to Rector	4.01	\$26,152,000	2	3
New 2 lane roadway	E 96th Ave	Hanks to East rd	10.67	\$69,650,000	2	3
New 2 lane roadway	East Rd	US 36 to 56th Ave	4.04	\$26,343,000	2	3

New 2 lane roadway	Philmay Rd	152nd Ave to 168th Ave	2.02	\$13,164,000	2	3
New 2 lane roadway	Piggott Rd	48th Ave to 56th Ave	0.99	\$6,487,000	2	3



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