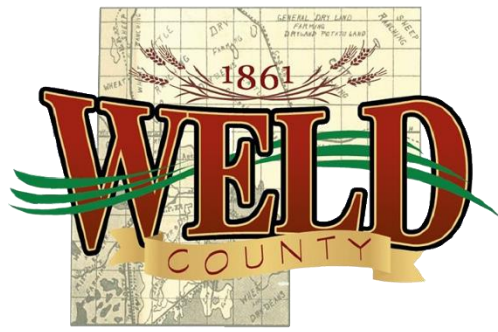




Appendix D: Prioritized Projects

Appendix D lists the prioritized projects identified as a part of the Weld County Safety Action Plan (SAP). Chapter 06: Prioritized Projects in the SAP discusses priority projects by tier (Table 1) and by jurisdiction, specifically on:

- Roadways maintained by Weld County (Table 2)
- Roadways maintained by the Colorado Department of Transportation (CDOT) (Table 3)
- Roadways maintained by the jurisdictions included in the action plan (Table 4)

Projects are organized by several key attributes:

- **Jurisdiction:** The jurisdiction(s) who maintain the project location.
- **Intersection or Segment:** Indicates if the project is located at an intersection or a segment of the roadway.
- **Location:** The specific location of the project.
- **Project Type:** The specific project recommended for implementation.
- **Cost:** The planning-level cost of the project.
- **Crash Severity Score:** A score based on the 10-year crash totals (2014-20) at the project location. Fatal and serious injury crashes have the highest weight, followed by non-incapacitating and possible injury crashes; property damage only crashes
- **Benefit-to-Cost Score:** A score based on the cost and 20-year project crash reduction benefits (based on the latest USDOT guidance) for each project.
- **Total Priority Score:** The total priority score is the sum of the crash severity score and benefit-to-cost score. This score ranges from 0 to 200 points and is used to determine the priority tier of the project, with higher priority score having a higher priority tier.
- **Priority Tier:** The priority of the project based on the total priority score, with Priority Tier 1 projects have the highest priority.

Appendix D | Prioritized Projects

Table 1: All Priority Safety Projects by Priority Tier

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
CDOT	Segment	Hwy 66	Lane Departure Mitigation	3.56	533,466	93.4	87.8	181.2	1
CDOT	Segment	Hwy 14	Lane Departure Mitigation	4.35	652,424	84.5	91.8	176.3	1
CDOT	Segment	US Hwy 34 Bypass	Lane Departure Mitigation	0.19	29,000	66.6	99.1	165.7	1
CDOT	Segment	US Hwy 34	Lane Departure Mitigation	8.83	1,324,077	82.1	75.6	157.7	1
CDOT	Segment	1st St	Speed Management Treatments	1.07	535,015	95.1	60.1	155.2	1
CDOT	Segment	US Hwy 34	Lane Departure Mitigation	2.99	449,070	63.4	90.2	153.6	1
CDOT	Segment	Hwy 52	Lane Departure Mitigation	2.51	376,657	71.5	82.1	153.6	1
CDOT	Segment	US Hwy 34	Lane Reconfiguration	6.40	4,479,592	88.6	62.6	151.2	1
CDOT	Segment	Hwy 66	Lane Departure Mitigation	4.35	652,084	80.4	65.8	146.2	1
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	3.33	9,977,212	99.1	47.1	146.2	1
Evans	Intersection	32nd St at 3rd Ave	Systemic Traffic Signal Modifications	--	250,000	94	82.2	176.2	1
Evans	Segment	11th Ave	Lane Reconfiguration	0.99	692,462	97.5	73.1	170.6	1
Firestone	Intersection	Sable Ave at E I-25 Frontage Rd	Systemic Stop Control Modifications	--	150,000	80	98.5	178.5	1
Firestone	Intersection	Firestone Blvd at E I-25 Frontage Rd	Road Safety Audit and Improvements	--	1,500,000	96.2	57	153.2	1
Firestone & CDOT	Intersection	Hwy 119 at WCR 7	Systemic Traffic Signal Modifications	--	250,000	91.1	82.9	174	1
Firestone & CDOT	Intersection	Firestone Blvd at W I-25 Frontage Rd	Road Safety Audit and Improvements	--	1,500,000	97.7	57.7	155.4	1
Fort Lupton & CDOT	Intersection	WCR 8 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	92.5	100	192.5	1
Fort Lupton & CDOT	Intersection	14th St at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	98.5	85.9	184.4	1
Platteville & CDOT	Intersection	Justin Ave at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	99.2	77	176.2	1
Weld County	Segment	WCR 27	Lane Departure Mitigation	0.66	99,604	71.5	97.5	169	1
Weld County	Segment	WCR 49	Lane Departure Mitigation	9.88	1,481,985	91.8	72.3	164.1	1
Weld County	Segment	WCR 54	Lane Departure Mitigation	4.02	603,544	73.1	85.3	158.4	1
Weld County	Segment	WCR 49	Lane Departure Mitigation	5.01	750,884	76.4	81.3	157.7	1
Weld County	Segment	WCR 74	Lane Departure Mitigation	2.87	430,244	63.4	88.6	152	1
Weld County	Segment	WCR 60.5 / Hwy 37	Lane Departure Mitigation	3.39	507,848	67.4	83.7	151.1	1

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Weld County & Adams County	Intersection	WCR 2 / E 168th Ave at WCR 19	Systemic Stop Control Modifications	--	150,000	78.5	86.6	165.1	1
Weld County & CDOT	Intersection	Hwy 392 at WCR 43	Systemic Stop Control Modifications	--	150,000	73.3	99.2	172.5	1
Weld County & CDOT	Intersection	WCR 17 at US Hwy 34	Reduced Left-Turn Conflict Intersection	--	3,000,000	100	63.7	163.7	1
Weld County & CDOT	Intersection	Hwy 14 at WCR 31	Dedicated Turn Lanes	--	1,500,000	81.4	79.2	160.6	1
Weld County & CDOT	Intersection	Hwy 392 at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	88.1	70.3	158.4	1
Weld County & CDOT	Intersection	WCR 4 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	58.5	93.3	151.8	1
Weld County & CDOT & Evans	Segment	Hwy 60 / Two Rivers Pkwy / WCR 27.5	Lane Departure Mitigation	4.58	686,516	79.6	76.4	156	1
Weld County & Firestone	Segment	WCR 26 / WCR 7	Lane Departure Mitigation	0.31	45,851	95.9	96.7	192.6	1
Weld County & Firestone	Intersection	Hwy 119 at WCR 5.5	Systemic Traffic Signal Modifications	--	250,000	84.4	96.2	180.6	1
Weld County & Firestone & CDOT	Intersection	Hwy 119 at WCR 3.5	Systemic Traffic Signal Modifications	--	250,000	82.2	80.7	162.9	1
Weld County & Firestone & CDOT	Intersection	Hwy 119 at Turner Blvd	Road Safety Audit and Improvements	--	1,500,000	92.5	64.4	156.9	1
Weld County & Fort Lupton & CDOT	Intersection	WCR 6 at US Hwy 85	Systemic Traffic Signal Modifications	--	250,000	88.8	84.4	173.2	1
Weld County & Fort Lupton & CDOT	Intersection	WCR 18 at US Hwy 85	Systemic Traffic Signal Modifications	--	250,000	76.2	95.5	171.7	1
Weld County & Keenesburg	Intersection	WCR 22 at WCR 49	Systemic Stop Control Modifications	--	150,000	66.6	94.8	161.4	1
Weld County & Milliken	Segment	Hwy 257	Lane Departure Mitigation	2.38	356,781	82.1	95.1	177.2	1
CDOT	Segment	Hwy 52	Lane Departure Mitigation	2.29	343,474	58.5	84.5	143	2
CDOT	Segment	Hwy 52	Median and Access Management	0.96	3,375,452	94.3	43.9	138.2	2
CDOT	Segment	Hwy 257	Lane Departure Mitigation	1.65	247,665	54.4	82.9	137.3	2
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	2.47	7,401,938	89.4	47.9	137.3	2
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	3.62	10,853,667	100	33.3	133.3	2
CDOT	Segment	US Hwy 34	Road Safety Audit and Improvements	1.97	5,911,159	96.7	36.5	133.2	2
CDOT	Segment	US Hwy 85	Speed Management Treatments	1.01	505,495	73.9	56.9	130.8	2

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	2.55	7,645,867	83.7	41.4	125.1	2
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	5.59	11,176,112	91	34.1	125.1	2
CDOT	Segment	Hwy 66	Lane Departure Mitigation	0.58	87,699	32.5	91	123.5	2
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.65	97,738	28.4	92.6	121	2
Dacono & CDOT	Intersection	Hwy 52 at Colorado Blvd	Urban Multi-Lane Roundabout	--	6,000,000	89.6	48.1	137.7	2
Evans	Segment	32nd St	Speed Management Treatments	1.01	503,304	78.8	52	130.8	2
Evans	Segment	Prairie View Dr / 42nd St	Lane Reconfiguration	2.12	1,487,220	86.9	39	125.9	2
Evans	Intersection	37th St at 35th Ave	Urban Multi-Lane Roundabout	--	6,000,000	90.3	33.3	123.6	2
Evans	Segment	37th St	Lane Reconfiguration	1.16	814,377	74.7	48.7	123.4	2
Evans & CDOT	Intersection	31st St at US Hwy 85	Urban Multi-Lane Roundabout	--	6,000,000	94.8	30.3	125.1	2
Evans & CDOT	Intersection	US Hwy 34 Bypass at 8th Ave	Urban Multi-Lane Roundabout	--	6,000,000	38.1	85	123.1	2
Evans & CDOT	Intersection	42nd St at US Hwy 85	Urban Multi-Lane Roundabout	--	6,000,000	91.8	25.1	116.9	2
Evans & Milliken	Segment	65th Ave / WCR 378 Turnoff	Lane Departure Mitigation	0.14	20,950	47.1	93.4	140.5	2
Firestone	Segment	Pine Cone Ave	Shoulder Installation / Widening	1.93	3,869,177	90.2	30	120.2	2
Firestone & CDOT	Intersection	Firestone Blvd at I-25 NB Ramp	Road Safety Audit and Improvements	--	1,500,000	85.1	52.5	137.6	2
Frederick	Intersection	Tripple Pkwy at E I-25 Frontage Rd	Systemic Stop Control Modifications	--	150,000	35.5	97.7	133.2	2
Frederick & CDOT	Intersection	Hwy 52 at E I-25 Frontage Rd	Urban Multi-Lane Roundabout	--	6,000,000	95.5	25.9	121.4	2
Mead & CDOT	Intersection	Hwy 66 at WCR 7	Urban Multi-Lane Roundabout	--	6,000,000	83.7	42.9	126.6	2
Platteville & CDOT	Intersection	WCR 32 / Grand Ave at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	80.7	48.8	129.5	2
Severance	Segment	WCR 74	Speed Management Treatments	1.35	676,863	60.1	67.4	127.5	2
Weld County	Segment	WCR 20 / WCR 5	Lane Departure Mitigation	0.15	21,841	44.7	95.9	140.6	2
Weld County	Segment	WCR 23	Lane Departure Mitigation	1.15	172,496	48.7	69.1	117.8	2
Weld County & Adams County	Segment	WCR 2 / 168th Ave	Shoulder Installation / Widening	6.07	12,144,355	97.5	19.5	117	2
Weld County & CDOT	Intersection	US Hwy 34 / 18th St at Balsam Ave	Systemic Stop Control Modifications	--	150,000	60	83.7	143.7	2
Weld County & CDOT	Intersection	WCR 13 at US Hwy 34	Reduced Left-Turn Conflict Intersection	--	3,000,000	87.4	56.2	143.6	2
Weld County & CDOT	Intersection	WCR 42 at Hwy 60	Systemic Stop Control Modifications	--	150,000	54.8	85.1	139.9	2

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Weld County & CDOT	Intersection	AA St at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	64.4	65.9	130.3	2
Weld County & CDOT	Intersection	Hwy 392 at WCR 55	Rural Single-Lane Roundabout	--	8,000,000	66.6	53.3	119.9	2
Weld County & CDOT	Intersection	WCR 33 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	65.1	54	119.1	2
Weld County & CDOT	Intersection	WCR 38 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	55.5	61.4	116.9	2
Weld County & Fort Lupton & CDOT	Intersection	WCR 22.5 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	25.9	92.5	118.4	2
Weld County & Milliken	Intersection	WCR 378 at WCR 27.5 / 77th Ave	Rural Single-Lane Roundabout	--	8,000,000	97	45.1	142.1	2
Weld County & Platteville & CDOT	Intersection	Hwy 66 at WCR 19	Rural Single-Lane Roundabout	--	8,000,000	79.2	50.3	129.5	2
Weld County & Severance & CDOT	Intersection	Hwy 392 at WCR 23	Rural Single-Lane Roundabout	--	8,000,000	77	40	117	2
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.18	26,998	18.6	98.3	116.9	3
CDOT	Segment	Hwy 14	Lane Departure Mitigation	3.90	584,470	51.2	65	116.2	3
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	2.50	7,508,940	92.6	22.7	115.3	3
CDOT	Segment	Hwy 52	Lane Departure Mitigation	14.00	2,100,065	56	57.7	113.7	3
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.39	57,909	17	94.3	111.3	3
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.64	95,696	33.3	73.9	107.2	3
CDOT	Segment	Hwy 66	Shoulder Installation / Widening	2.73	5,451,898	81.3	25.2	106.5	3
CDOT	Segment	Hwy 71	Lane Departure Mitigation	18.73	2,808,842	54.4	51.2	105.6	3
CDOT	Segment	Denver Ave	Speed Management Treatments	0.99	496,104	68.2	37.3	105.5	3
Dacono	Segment	Colorado Blvd	Lane Departure Mitigation	3.04	455,405	53.6	55.2	108.8	3
Evans	Segment	37th St	Shoulder Installation / Widening	2.00	3,991,198	86.1	26.8	112.9	3
Evans	Segment	34th St	Lane Reconfiguration	1.00	699,749	69.1	43	112.1	3
Evans	Segment	17th St	Lane Reconfiguration	1.01	710,162	61.7	42.2	103.9	3
Evans & CDOT	Intersection	37th St at US Hwy 85	Urban Multi-Lane Roundabout	--	6,000,000	86.6	22.2	108.8	3
Firestone & Frederick	Segment	Colorado Blvd	Median and Access Management	2.01	7,039,616	87.8	20.3	108.1	3
Fort Lupton	Segment	9th St	Speed Management Treatments	0.68	339,986	43	71.5	114.5	3
Mead & CDOT	Intersection	Hwy 66 at WCR 5	Systemic Stop Control Modifications	--	150,000	28.1	80	108.1	3

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to- Cost Score	Total Priority Score	Priority Tier
Platteville & CDOT	Intersection	WCR 34 at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	55.5	60.7	116.2	3
Severance	Segment	WCR 23	Lane Departure Mitigation	0.78	117,433	26	89.4	115.4	3
Severance	Segment	WCR 74	Lane Departure Mitigation	1.59	239,241	28.4	79.6	108	3
Weld County	Intersection	WCR 34 at WCR 13	Rural Single-Lane Roundabout	--	8,000,000	69.6	45.9	115.5	3
Weld County	Segment	WCR 39	Lane Departure Mitigation	0.12	17,953	12.1	100	112.1	3
Weld County	Intersection	168th Ave at WCR 45	Rural Single-Lane Roundabout	--	8,000,000	71.1	39.2	110.3	3
Weld County	Segment	WCR 20.5	Shoulder Installation / Widening	2.99	5,986,658	85.3	23.5	108.8	3
Weld County	Intersection	WCR 74 at WCR 31	Rural Single-Lane Roundabout	--	8,000,000	66.6	40.7	107.3	3
Weld County & CDOT	Intersection	WCR 394 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	22.2	94	116.2	3
Weld County & CDOT	Intersection	Hwy 392 at WCR 27	Dedicated Turn Lanes	--	1,500,000	50.3	62.2	112.5	3
Weld County & CDOT	Intersection	Hwy 392 at WCR 47	Rural Multi-Lane Roundabout	--	12,000,000	71.8	38.5	110.3	3
Weld County & CDOT	Intersection	Hwy 60 at WCR 7	Rural Single-Lane Roundabout	--	8,000,000	85.1	24.4	109.5	3
Weld County & CDOT	Intersection	Hwy 392 at WCR 39	Systemic Stop Control Modifications	--	150,000	28.8	78.5	107.3	3
Weld County & CDOT	Intersection	Hwy 52 at WCR 41	Rural Single-Lane Roundabout	--	8,000,000	49.6	54.8	104.4	3
Weld County & Dacano & CDOT	Intersection	Hwy 52 at WCR 19	Dedicated Turn Lanes	--	1,500,000	62.9	46.6	109.5	3
Weld County & Firestone & CDOT	Intersection	Hwy 119 at WCR 5	Road Safety Audit and Improvements	--	1,500,000	45.1	71.8	116.9	3
Weld County & Fort Lupton & CDOT	Intersection	WCR 22 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	34	81.4	115.4	3
Weld County & Fort Lupton & CDOT	Intersection	WCR 20 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	16.2	91.1	107.3	3
Weld County & Gilcrest & CDOT	Intersection	WCR 42 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	53.3	51.1	104.4	3
Weld County & Keenesburg	Segment	WCR 49	Lane Departure Mitigation	2.98	447,444	39	66.6	105.6	3
Weld County & Platteville & CDOT	Intersection	WCR 38 at Hwy 60	Systemic Stop Control Modifications	--	150,000	18.5	97	115.5	3
Weld County & Platteville & CDOT	Intersection	WCR 24.5 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	17.7	91.8	109.5	3
Weld County & Platteville & CDOT	Intersection	WCR 28 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	31.8	75.5	107.3	3
CDOT	Segment	US 34 / 18th St	Speed Management Treatments	1.22	608,445	35.7	61.7	97.4	4
CDOT	Segment	US Hwy 85 / Oak Ave	Speed Management Treatments	0.58	287,817	36.5	59.3	95.8	4

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
CDOT	Segment	Hwy 71	Lane Departure Mitigation	8.62	1,292,378	43.9	50.4	94.3	4
CDOT	Segment	Hwy 60 / Broad St	Speed Management Treatments	0.63	313,802	49.5	44.7	94.2	4
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	8.24	16,474,890	75.6	14.6	90.2	4
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	9.73	19,469,533	77.2	12.1	89.3	4
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.75	112,622	16.2	70.7	86.9	4
CDOT	Segment	Hwy 257	Lane Departure Mitigation	0.69	103,210	21.1	64.2	85.3	4
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	8.14	16,282,112	78	6.5	84.5	4
CDOT	Segment	Main St / Hwy 52	Speed Management Treatments	0.69	345,992	39	45.5	84.5	4
Frederick	Segment	WCR 5	Lane Departure Mitigation	1.29	193,397	24.3	77.2	101.5	4
Frederick	Segment	Aggregate Blvd	Shoulder Installation / Widening	1.39	2,770,366	70.7	28.4	99.1	4
Frederick & CDOT	Intersection	Hwy 52 at W I-25 Frontage Rd	Urban Multi-Lane Roundabout	--	6,000,000	82.9	20	102.9	4
Mead & CDOT	Intersection	Hwy 66 at WCR 13	Rural Single-Lane Roundabout	--	8,000,000	77	11.1	88.1	4
Platteville & CDOT	Intersection	Grand Ave at Main St	Systemic Stop Control Modifications	--	150,000	23.7	73.3	97	4
Weld County	Segment	WCR 39	Lane Departure Mitigation	0.17	24,879	12.1	86.1	98.2	4
Weld County	Intersection	WCR 54 at WCR 13	Rural Single-Lane Roundabout	--	8,000,000	60	37.7	97.7	4
Weld County	Intersection	AA St at WCR 37	Rural Single-Lane Roundabout	--	8,000,000	51.1	43.7	94.8	4
Weld County	Intersection	WCR 34 at WCR 17	Rural Single-Lane Roundabout	--	8,000,000	75.5	19.2	94.7	4
Weld County	Segment	WCR 27	Lane Departure Mitigation	0.22	32,686	13.8	78.8	92.6	4
Weld County	Intersection	WCR 90 at WCR 39	Systemic Stop Control Modifications	--	150,000	1.4	90.3	91.7	4
Weld County	Segment	WCR 26	Lane Departure Mitigation	0.18	26,882	0.8	86.9	87.7	4
Weld County	Segment	F St	Speed Management Treatments	0.81	403,840	51.2	34.9	86.1	4
Weld County	Segment	AA St	Lane Departure Mitigation	0.48	72,569	21.1	63.4	84.5	4
Weld County	Segment	WCR 34 / WCR 21	Lane Departure Mitigation	0.18	26,610	6.5	78	84.5	4
Weld County	Segment	WCR 43	Lane Departure Mitigation	2.64	395,653	27.6	56	83.6	4
Weld County & CDOT	Intersection	Hwy 14 at WCR 39	Systemic Stop Control Modifications	--	150,000	26.6	77.7	104.3	4
Weld County & CDOT	Intersection	Hwy 392 at WCR 31 (east)	Rural Single-Lane Roundabout	--	8,000,000	69.6	31.1	100.7	4
Weld County & CDOT	Intersection	WCR 70 at US Hwy 85	Dedicated Turn Lanes	--	1,500,000	23.7	72.5	96.2	4
Weld County & CDOT	Intersection	Two Rivers Pkwy at Hwy 60	Rural Single-Lane Roundabout	--	8,000,000	66.6	27.4	94	4
Weld County & CDOT	Intersection	Hwy 14 at WCR 37	Systemic Stop Control Modifications	--	150,000	5.1	88.8	93.9	4
Weld County & CDOT	Intersection	WCR 46 at Hwy 60 (north)	Systemic Stop Control Modifications	--	150,000	21.4	69.6	91	4

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Weld County & Firestone	Intersection	WCR 20 at WCR 19	Rural Single-Lane Roundabout	--	8,000,000	62.9	35.5	98.4	4
Weld County & Fort Lupton & CDOT	Intersection	Hwy 52 at WCR 37	Rural Single-Lane Roundabout	--	8,000,000	51.8	42.2	94	4
Weld County & Frederick	Intersection	WCR 20.5 at WCR 7	Systemic Stop Control Modifications	--	150,000	22.2	74.8	97	4
Weld County & Hudson	Segment	WCR 49	Lane Departure Mitigation	0.96	144,740	30	69.9	99.9	4
Weld County & Kersey	Intersection	WCR 60.5 at WCR 53	Rural Single-Lane Roundabout	--	8,000,000	57.7	32.5	90.2	4
Weld County & Platteville & CDOT	Intersection	WCR 26 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	19.2	71.1	90.3	4
Weld County & Platteville & CDOT	Intersection	Hwy 66 at WCR 21	Rural Single-Lane Roundabout	--	8,000,000	74	16.2	90.2	4
CDOT	Segment	US Hwy 85 / Oak Ave	Lane Reconfiguration	0.48	338,982	52.8	30.8	83.6	5
CDOT	Segment	Hwy 79	Lane Departure Mitigation	0.18	27,069	2.4	74.7	77.1	5
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	3.87	7,738,517	65	8.9	73.9	5
CDOT	Segment	Hwy 52	Shoulder Installation / Widening	4.18	8,358,303	61.7	10.5	72.2	5
CDOT	Segment	Hwy 60	Shoulder Installation / Widening	4.02	8,037,227	56	15.4	71.4	5
CDOT	Segment	Hwy 52	Lane Departure Mitigation	0.98	146,851	15.4	54.4	69.8	5
CDOT	Segment	Hwy 52	Shoulder Installation / Widening	2.01	4,029,805	44.7	21.9	66.6	5
CDOT	Segment	Hwy 52	Shoulder Installation / Widening	4.98	9,968,734	56	8.1	64.1	5
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.31	45,994	10.5	53.6	64.1	5
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.39	58,064	1.6	60.9	62.5	5
Eaton	Intersection	E 5th St at UPRR	Road Safety Audit and Improvements	--	1,500,000	19.2	67.4	86.6	5
Evans	Intersection	34th St at 35th Ave	Urban Multi-Lane Roundabout	--	6,000,000	62.2	13.3	75.5	5
Firestone	Intersection	Bella Rosa Pkwy / Pine Cone Ave at Colorado Blvd	Urban Single-Lane Roundabout	--	4,000,000	60	17.7	77.7	5
Firestone	Segment	WCR 19	Shoulder Installation / Widening	6.03	12,068,125	69.9	4.8	74.7	5
Milliken & CDOT	Intersection	Hwy 60 at Hwy 257	Urban Multi-Lane Roundabout	--	6,000,000	42.2	31.8	74	5
Milliken & CDOT	Intersection	Hwy 60 at WCR 23.75 / Centennial Dr	Urban Single-Lane Roundabout	--	4,000,000	13.3	51.8	65.1	5
Severance & CDOT	Intersection	WCR 74 at Hwy 257	Rural Multi-Lane Roundabout	--	12,000,000	74	2.9	76.9	5
Weld County	Intersection	WCR 6 at Colorado Blvd	Rural Single-Lane Roundabout	--	8,000,000	65.9	18.5	84.4	5
Weld County	Segment	WCR 61	Lane Departure Mitigation	0.10	15,511	2.4	80.4	82.8	5

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Weld County	Segment	WCR 54	Shoulder Installation / Widening	1.88	3,760,233	41.4	40.6	82	5
Weld County	Intersection	WCR 50 at WCR 17	Intersection Realignment	--	3,000,000	31.1	49.6	80.7	5
Weld County	Segment	WCR 4	Shoulder Installation / Widening	1.63	3,250,607	44.7	32.5	77.2	5
Weld County	Segment	WCR 74	Shoulder Installation / Widening	6.00	12,004,693	65.8	9.7	75.5	5
Weld County	Segment	WCR 31	Shoulder Installation / Widening	0.50	1,001,137	23.5	49.5	73	5
Weld County	Intersection	WCR 38 at WCR 17	Rural Single-Lane Roundabout	--	8,000,000	38.5	29.6	68.1	5
Weld County	Segment	WCR 41	Shoulder Installation / Widening	7.49	14,985,880	60.1	7.3	67.4	5
Weld County	Segment	WCR 127	Lane Departure Mitigation	0.62	93,308	8.1	58.5	66.6	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 37	Rural Single-Lane Roundabout	--	8,000,000	51.8	34	85.8	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 33	Rural Single-Lane Roundabout	--	8,000,000	55.5	26.6	82.1	5
Weld County & CDOT	Intersection	Hwy 14 at WCR 29	Dedicated Turn Lanes	--	1,500,000	40	41.4	81.4	5
Weld County & CDOT	Intersection	Hwy 66 at WCR 1	Rural Multi-Lane Roundabout	--	12,000,000	71.8	7.4	79.2	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 35	Rural Single-Lane Roundabout	--	8,000,000	42.2	37	79.2	5
Weld County & CDOT	Intersection	WCR 46 at Hwy 60 (south)	Dedicated Turn Lanes	--	1,500,000	13.3	59.2	72.5	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 51	Rural Single-Lane Roundabout	--	8,000,000	41.4	28.1	69.5	5
Weld County & Eaton & CDOT	Intersection	WCR 76 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	32.5	47.4	79.9	5
Weld County & Pierce & CDOT	Intersection	WCR 90 at US Hwy 85	Rural Single-Lane Roundabout	--	8,000,000	37.7	34.8	72.5	5
Weld County & Severance	Segment	WCR 19	Shoulder Installation / Widening	1.86	3,712,563	49.5	31.7	81.2	5

Appendix D | Prioritized Projects

Table 2: Weld County-Maintained Priority Safety Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Weld County	Segment	WCR 27	Lane Departure Mitigation	0.66	99,604	71.5	97.5	169	1
Weld County	Segment	WCR 49	Lane Departure Mitigation	9.88	1,481,985	91.8	72.3	164.1	1
Weld County	Segment	WCR 54	Lane Departure Mitigation	4.02	603,544	73.1	85.3	158.4	1
Weld County	Segment	WCR 49	Lane Departure Mitigation	5.01	750,884	76.4	81.3	157.7	1
Weld County	Segment	WCR 74	Lane Departure Mitigation	2.87	430,244	63.4	88.6	152	1
Weld County	Segment	WCR 60.5 / Hwy 37	Lane Departure Mitigation	3.39	507,848	67.4	83.7	151.1	1
Weld County	Segment	WCR 20 / WCR 5	Lane Departure Mitigation	0.15	21,841	44.7	95.9	140.6	2
Weld County	Segment	WCR 23	Lane Departure Mitigation	1.15	172,496	48.7	69.1	117.8	2
Weld County	Intersection	WCR 34 at WCR 13	Rural Single-Lane Roundabout	--	8,000,000	69.6	45.9	115.5	3
Weld County	Segment	WCR 39	Lane Departure Mitigation	0.12	17,953	12.1	100	112.1	3
Weld County	Intersection	168th Ave at WCR 45	Rural Single-Lane Roundabout	--	8,000,000	71.1	39.2	110.3	3
Weld County	Segment	WCR 20.5	Shoulder Installation / Widening	2.99	5,986,658	85.3	23.5	108.8	3
Weld County	Intersection	WCR 74 at WCR 31	Rural Single-Lane Roundabout	--	8,000,000	66.6	40.7	107.3	3
Weld County	Segment	WCR 39	Lane Departure Mitigation	0.17	24,879	12.1	86.1	98.2	4
Weld County	Intersection	WCR 54 at WCR 13	Rural Single-Lane Roundabout	--	8,000,000	60	37.7	97.7	4
Weld County	Intersection	AA St at WCR 37	Rural Single-Lane Roundabout	--	8,000,000	51.1	43.7	94.8	4
Weld County	Intersection	WCR 34 at WCR 17	Rural Single-Lane Roundabout	--	8,000,000	75.5	19.2	94.7	4
Weld County	Segment	WCR 27	Lane Departure Mitigation	0.22	32,686	13.8	78.8	92.6	4
Weld County	Intersection	WCR 90 at WCR 39	Systemic Stop Control Modifications	--	150,000	1.4	90.3	91.7	4
Weld County	Segment	WCR 26	Lane Departure Mitigation	0.18	26,882	0.8	86.9	87.7	4
Weld County	Segment	F St	Speed Management Treatments	0.81	403,840	51.2	34.9	86.1	4
Weld County	Segment	AA St	Lane Departure Mitigation	0.48	72,569	21.1	63.4	84.5	4
Weld County	Segment	WCR 34 / WCR 21	Lane Departure Mitigation	0.18	26,610	6.5	78	84.5	4
Weld County	Segment	WCR 43	Lane Departure Mitigation	2.64	395,653	27.6	56	83.6	4
Weld County	Intersection	WCR 6 at Colorado Blvd	Rural Single-Lane Roundabout	--	8,000,000	65.9	18.5	84.4	5
Weld County	Segment	WCR 61	Lane Departure Mitigation	0.10	15,511	2.4	80.4	82.8	5
Weld County	Segment	WCR 54	Shoulder Installation / Widening	1.88	3,760,233	41.4	40.6	82	5
Weld County	Intersection	WCR 50 at WCR 17	Intersection Realignment	--	3,000,000	31.1	49.6	80.7	5
Weld County	Segment	WCR 4	Shoulder Installation / Widening	1.63	3,250,607	44.7	32.5	77.2	5

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Weld County	Segment	WCR 74	Shoulder Installation / Widening	6.00	12,004,693	65.8	9.7	75.5	5
Weld County	Segment	WCR 31	Shoulder Installation / Widening	0.50	1,001,137	23.5	49.5	73	5
Weld County	Intersection	WCR 38 at WCR 17	Rural Single-Lane Roundabout	--	8,000,000	38.5	29.6	68.1	5
Weld County	Segment	WCR 41	Shoulder Installation / Widening	7.49	14,985,880	60.1	7.3	67.4	5
Weld County	Segment	WCR 127	Lane Departure Mitigation	0.62	93,308	8.1	58.5	66.6	5
Weld County & Adams County	Intersection	WCR 2 / E 168th Ave at WCR 19	Systemic Stop Control Modifications	--	150,000	78.5	86.6	165.1	1
Weld County & Adams County	Segment	WCR 2 / 168th Ave	Shoulder Installation / Widening	6.07	12,144,355	97.5	19.5	117	2
Weld County & CDOT	Intersection	Hwy 392 at WCR 43	Systemic Stop Control Modifications	--	150,000	73.3	99.2	172.5	1
Weld County & CDOT	Intersection	WCR 17 at US Hwy 34	Reduced Left-Turn Conflict Intersection	--	3,000,000	100	63.7	163.7	1
Weld County & CDOT	Intersection	Hwy 14 at WCR 31	Dedicated Turn Lanes	--	1,500,000	81.4	79.2	160.6	1
Weld County & CDOT	Intersection	Hwy 392 at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	88.1	70.3	158.4	1
Weld County & CDOT	Intersection	WCR 4 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	58.5	93.3	151.8	1
Weld County & CDOT	Intersection	US Hwy 34 / 18th St at Balsam Ave	Systemic Stop Control Modifications	--	150,000	60	83.7	143.7	2
Weld County & CDOT	Intersection	WCR 13 at US Hwy 34	Reduced Left-Turn Conflict Intersection	--	3,000,000	87.4	56.2	143.6	2
Weld County & CDOT	Intersection	WCR 42 at Hwy 60	Systemic Stop Control Modifications	--	150,000	54.8	85.1	139.9	2
Weld County & CDOT	Intersection	AA St at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	64.4	65.9	130.3	2
Weld County & CDOT	Intersection	Hwy 392 at WCR 55	Rural Single-Lane Roundabout	--	8,000,000	66.6	53.3	119.9	2
Weld County & CDOT	Intersection	WCR 33 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	65.1	54	119.1	2
Weld County & CDOT	Intersection	WCR 38 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	55.5	61.4	116.9	2
Weld County & CDOT	Intersection	WCR 394 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	22.2	94	116.2	3
Weld County & CDOT	Intersection	Hwy 392 at WCR 27	Dedicated Turn Lanes	--	1,500,000	50.3	62.2	112.5	3
Weld County & CDOT	Intersection	Hwy 392 at WCR 47	Rural Multi-Lane Roundabout	--	12,000,000	71.8	38.5	110.3	3
Weld County & CDOT	Intersection	Hwy 60 at WCR 7	Rural Single-Lane Roundabout	--	8,000,000	85.1	24.4	109.5	3
Weld County & CDOT	Intersection	Hwy 392 at WCR 39	Systemic Stop Control Modifications	--	150,000	28.8	78.5	107.3	3
Weld County & CDOT	Intersection	Hwy 52 at WCR 41	Rural Single-Lane Roundabout	--	8,000,000	49.6	54.8	104.4	3

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Weld County & CDOT	Intersection	Hwy 14 at WCR 39	Systemic Stop Control Modifications	--	150,000	26.6	77.7	104.3	4
Weld County & CDOT	Intersection	Hwy 392 at WCR 31 (east)	Rural Single-Lane Roundabout	--	8,000,000	69.6	31.1	100.7	4
Weld County & CDOT	Intersection	WCR 70 at US Hwy 85	Dedicated Turn Lanes	--	1,500,000	23.7	72.5	96.2	4
Weld County & CDOT	Intersection	Two Rivers Pkwy at Hwy 60	Rural Single-Lane Roundabout	--	8,000,000	66.6	27.4	94	4
Weld County & CDOT	Intersection	Hwy 14 at WCR 37	Systemic Stop Control Modifications	--	150,000	5.1	88.8	93.9	4
Weld County & CDOT	Intersection	WCR 46 at Hwy 60 (north)	Systemic Stop Control Modifications	--	150,000	21.4	69.6	91	4
Weld County & CDOT	Intersection	Hwy 392 at WCR 37	Rural Single-Lane Roundabout	--	8,000,000	51.8	34	85.8	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 33	Rural Single-Lane Roundabout	--	8,000,000	55.5	26.6	82.1	5
Weld County & CDOT	Intersection	Hwy 14 at WCR 29	Dedicated Turn Lanes	--	1,500,000	40	41.4	81.4	5
Weld County & CDOT	Intersection	Hwy 66 at WCR 1	Rural Multi-Lane Roundabout	--	12,000,000	71.8	7.4	79.2	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 35	Rural Single-Lane Roundabout	--	8,000,000	42.2	37	79.2	5
Weld County & CDOT	Intersection	WCR 46 at Hwy 60 (south)	Dedicated Turn Lanes	--	1,500,000	13.3	59.2	72.5	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 51	Rural Single-Lane Roundabout	--	8,000,000	41.4	28.1	69.5	5
Weld County & CDOT & Evans	Segment	Hwy 60 / Two Rivers Pkwy / WCR 27.5	Lane Departure Mitigation	4.58	686,516	79.6	76.4	156	1
Weld County & Dacono & CDOT	Intersection	Hwy 52 at WCR 19	Dedicated Turn Lanes	--	1,500,000	62.9	46.6	109.5	3
Weld County & Eaton & CDOT	Intersection	WCR 76 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	32.5	47.4	79.9	5
Weld County & Firestone	Segment	WCR 26 / WCR 7	Lane Departure Mitigation	0.31	45,851	95.9	96.7	192.6	1
Weld County & Firestone	Intersection	Hwy 119 at WCR 5.5	Systemic Traffic Signal Modifications	--	250,000	84.4	96.2	180.6	1
Weld County & Firestone	Intersection	WCR 20 at WCR 19	Rural Single-Lane Roundabout	--	8,000,000	62.9	35.5	98.4	4
Weld County & Firestone & CDOT	Intersection	Hwy 119 at WCR 3.5	Systemic Traffic Signal Modifications	--	250,000	82.2	80.7	162.9	1
Weld County & Firestone & CDOT	Intersection	Hwy 119 at Turner Blvd	Road Safety Audit and Improvements	--	1,500,000	92.5	64.4	156.9	1
Weld County & Firestone & CDOT	Intersection	Hwy 119 at WCR 5	Road Safety Audit and Improvements	--	1,500,000	45.1	71.8	116.9	3
Weld County & Fort Lupton & CDOT	Intersection	WCR 6 at US Hwy 85	Systemic Traffic Signal Modifications	--	250,000	88.8	84.4	173.2	1
Weld County & Fort Lupton & CDOT	Intersection	WCR 18 at US Hwy 85	Systemic Traffic Signal Modifications	--	250,000	76.2	95.5	171.7	1

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Weld County & Fort Lupton & CDOT	Intersection	WCR 22.5 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	25.9	92.5	118.4	2
Weld County & Fort Lupton & CDOT	Intersection	WCR 22 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	34	81.4	115.4	3
Weld County & Fort Lupton & CDOT	Intersection	WCR 20 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	16.2	91.1	107.3	3
Weld County & Fort Lupton & CDOT	Intersection	Hwy 52 at WCR 37	Rural Single-Lane Roundabout	--	8,000,000	51.8	42.2	94	4
Weld County & Frederick	Intersection	WCR 20.5 at WCR 7	Systemic Stop Control Modifications	--	150,000	22.2	74.8	97	4
Weld County & Gilcrest & CDOT	Intersection	WCR 42 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	53.3	51.1	104.4	3
Weld County & Hudson	Segment	WCR 49	Lane Departure Mitigation	0.96	144,740	30	69.9	99.9	4
Weld County & Keenesburg	Intersection	WCR 22 at WCR 49	Systemic Stop Control Modifications	--	150,000	66.6	94.8	161.4	1
Weld County & Keenesburg	Segment	WCR 49	Lane Departure Mitigation	2.98	447,444	39	66.6	105.6	3
Weld County & Kersey	Intersection	WCR 60.5 at WCR 53	Rural Single-Lane Roundabout	--	8,000,000	57.7	32.5	90.2	4
Weld County & Milliken	Segment	Hwy 257	Lane Departure Mitigation	2.38	356,781	82.1	95.1	177.2	1
Weld County & Milliken	Intersection	WCR 378 at WCR 27.5 / 77th Ave	Rural Single-Lane Roundabout	--	8,000,000	97	45.1	142.1	2
Weld County & Pierce & CDOT	Intersection	WCR 90 at US Hwy 85	Rural Single-Lane Roundabout	--	8,000,000	37.7	34.8	72.5	5
Weld County & Platteville & CDOT	Intersection	Hwy 66 at WCR 19	Rural Single-Lane Roundabout	--	8,000,000	79.2	50.3	129.5	2
Weld County & Platteville & CDOT	Intersection	WCR 38 at Hwy 60	Systemic Stop Control Modifications	--	150,000	18.5	97	115.5	3
Weld County & Platteville & CDOT	Intersection	WCR 24.5 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	17.7	91.8	109.5	3
Weld County & Platteville & CDOT	Intersection	WCR 28 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	31.8	75.5	107.3	3
Weld County & Platteville & CDOT	Intersection	WCR 26 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	19.2	71.1	90.3	4
Weld County & Platteville & CDOT	Intersection	Hwy 66 at WCR 21	Rural Single-Lane Roundabout	--	8,000,000	74	16.2	90.2	4
Weld County & Severance	Segment	WCR 19	Shoulder Installation / Widening	1.86	3,712,563	49.5	31.7	81.2	5
Weld County & Severance & CDOT	Intersection	Hwy 392 at WCR 23	Rural Single-Lane Roundabout	--	8,000,000	77	40	117	2

Appendix D | Prioritized Projects

Table 3: State-Maintained Highway Priority Safety Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
CDOT	Segment	Hwy 66	Lane Departure Mitigation	3.56	533,466	93.4	87.8	181.2	1
CDOT	Segment	Hwy 14	Lane Departure Mitigation	4.35	652,424	84.5	91.8	176.3	1
CDOT	Segment	US Hwy 34 Bypass	Lane Departure Mitigation	0.19	29,000	66.6	99.1	165.7	1
CDOT	Segment	US Hwy 34	Lane Departure Mitigation	8.83	1,324,077	82.1	75.6	157.7	1
CDOT	Segment	1st St	Speed Management Treatments	1.07	535,015	95.1	60.1	155.2	1
CDOT	Segment	US Hwy 34	Lane Departure Mitigation	2.99	449,070	63.4	90.2	153.6	1
CDOT	Segment	Hwy 52	Lane Departure Mitigation	2.51	376,657	71.5	82.1	153.6	1
CDOT	Segment	US Hwy 34	Lane Reconfiguration	6.40	4,479,592	88.6	62.6	151.2	1
CDOT	Segment	Hwy 66	Lane Departure Mitigation	4.35	652,084	80.4	65.8	146.2	1
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	3.33	9,977,212	99.1	47.1	146.2	1
CDOT	Segment	Hwy 52	Lane Departure Mitigation	2.29	343,474	58.5	84.5	143	2
CDOT	Segment	Hwy 52	Median and Access Management	0.96	3,375,452	94.3	43.9	138.2	2
CDOT	Segment	Hwy 257	Lane Departure Mitigation	1.65	247,665	54.4	82.9	137.3	2
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	2.47	7,401,938	89.4	47.9	137.3	2
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	3.62	10,853,667	100	33.3	133.3	2
CDOT	Segment	US Hwy 34	Road Safety Audit and Improvements	1.97	5,911,159	96.7	36.5	133.2	2
CDOT	Segment	US Hwy 85	Speed Management Treatments	1.01	505,495	73.9	56.9	130.8	2
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	2.55	7,645,867	83.7	41.4	125.1	2
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	5.59	11,176,112	91	34.1	125.1	2
CDOT	Segment	Hwy 66	Lane Departure Mitigation	0.58	87,699	32.5	91	123.5	2
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.65	97,738	28.4	92.6	121	2
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.18	26,998	18.6	98.3	116.9	3
CDOT	Segment	Hwy 14	Lane Departure Mitigation	3.90	584,470	51.2	65	116.2	3
CDOT	Segment	US Hwy 85	Road Safety Audit and Improvements	2.50	7,508,940	92.6	22.7	115.3	3
CDOT	Segment	Hwy 52	Lane Departure Mitigation	14.00	2,100,065	56	57.7	113.7	3
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.39	57,909	17	94.3	111.3	3

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.64	95,696	33.3	73.9	107.2	3
CDOT	Segment	Hwy 66	Shoulder Installation / Widening	2.73	5,451,898	81.3	25.2	106.5	3
CDOT	Segment	Hwy 71	Lane Departure Mitigation	18.73	2,808,842	54.4	51.2	105.6	3
CDOT	Segment	Denver Ave	Speed Management Treatments	0.99	496,104	68.2	37.3	105.5	3
CDOT	Segment	US 34 / 18th St	Speed Management Treatments	1.22	608,445	35.7	61.7	97.4	4
CDOT	Segment	US Hwy 85 / Oak Ave	Speed Management Treatments	0.58	287,817	36.5	59.3	95.8	4
CDOT	Segment	Hwy 71	Lane Departure Mitigation	8.62	1,292,378	43.9	50.4	94.3	4
CDOT	Segment	Hwy 60 / Broad St	Speed Management Treatments	0.63	313,802	49.5	44.7	94.2	4
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	8.24	16,474,890	75.6	14.6	90.2	4
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	9.73	19,469,533	77.2	12.1	89.3	4
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.75	112,622	16.2	70.7	86.9	4
CDOT	Segment	Hwy 257	Lane Departure Mitigation	0.69	103,210	21.1	64.2	85.3	4
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	8.14	16,282,112	78	6.5	84.5	4
CDOT	Segment	Main St / Hwy 52	Speed Management Treatments	0.69	345,992	39	45.5	84.5	4
CDOT	Segment	US Hwy 85 / Oak Ave	Lane Reconfiguration	0.48	338,982	52.8	30.8	83.6	5
CDOT	Segment	Hwy 79	Lane Departure Mitigation	0.18	27,069	2.4	74.7	77.1	5
CDOT	Segment	Hwy 392	Shoulder Installation / Widening	3.87	7,738,517	65	8.9	73.9	5
CDOT	Segment	Hwy 52	Shoulder Installation / Widening	4.18	8,358,303	61.7	10.5	72.2	5
CDOT	Segment	Hwy 60	Shoulder Installation / Widening	4.02	8,037,227	56	15.4	71.4	5
CDOT	Segment	Hwy 52	Lane Departure Mitigation	0.98	146,851	15.4	54.4	69.8	5
CDOT	Segment	Hwy 52	Shoulder Installation / Widening	2.01	4,029,805	44.7	21.9	66.6	5
CDOT	Segment	Hwy 52	Shoulder Installation / Widening	4.98	9,968,734	56	8.1	64.1	5
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.31	45,994	10.5	53.6	64.1	5
CDOT	Segment	US Hwy 85	Lane Departure Mitigation	0.39	58,064	1.6	60.9	62.5	5
Dacano & CDOT	Intersection	Hwy 52 at Colorado Blvd	Urban Multi-Lane Roundabout	--	6,000,000	89.6	48.1	137.7	2
Evans & CDOT	Intersection	31st St at US Hwy 85	Urban Multi-Lane Roundabout	--	6,000,000	94.8	30.3	125.1	2
Evans & CDOT	Intersection	US Hwy 34 Bypass at 8th Ave	Urban Multi-Lane Roundabout	--	6,000,000	38.1	85	123.1	2
Evans & CDOT	Intersection	42nd St at US Hwy 85	Urban Multi-Lane Roundabout	--	6,000,000	91.8	25.1	116.9	2
Evans & CDOT	Intersection	37th St at US Hwy 85	Urban Multi-Lane Roundabout	--	6,000,000	86.6	22.2	108.8	3
Firestone & CDOT	Intersection	Hwy 119 at WCR 7	Systemic Traffic Signal Modifications	--	250,000	91.1	82.9	174	1

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Firestone & CDOT	Intersection	Firestone Blvd at W I-25 Frontage Rd	Road Safety Audit and Improvements	--	1,500,000	97.7	57.7	155.4	1
Firestone & CDOT	Intersection	Firestone Blvd at I-25 NB Ramp	Road Safety Audit and Improvements	--	1,500,000	85.1	52.5	137.6	2
Fort Lupton & CDOT	Intersection	WCR 8 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	92.5	100	192.5	1
Fort Lupton & CDOT	Intersection	14th St at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	98.5	85.9	184.4	1
Frederick & CDOT	Intersection	Hwy 52 at E I-25 Frontage Rd	Urban Multi-Lane Roundabout	--	6,000,000	95.5	25.9	121.4	2
Frederick & CDOT	Intersection	Hwy 52 at W I-25 Frontage Rd	Urban Multi-Lane Roundabout	--	6,000,000	82.9	20	102.9	4
Mead & CDOT	Intersection	Hwy 66 at WCR 7	Urban Multi-Lane Roundabout	--	6,000,000	83.7	42.9	126.6	2
Mead & CDOT	Intersection	Hwy 66 at WCR 5	Systemic Stop Control Modifications	--	150,000	28.1	80	108.1	3
Mead & CDOT	Intersection	Hwy 66 at WCR 13	Rural Single-Lane Roundabout	--	8,000,000	77	11.1	88.1	4
Milliken & CDOT	Intersection	Hwy 60 at Hwy 257	Urban Multi-Lane Roundabout	--	6,000,000	42.2	31.8	74	5
Milliken & CDOT	Intersection	Hwy 60 at WCR 23.75 / Centennial Dr	Urban Single-Lane Roundabout	--	4,000,000	13.3	51.8	65.1	5
Platteville & CDOT	Intersection	Justin Ave at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	99.2	77	176.2	1
Platteville & CDOT	Intersection	WCR 32 / Grand Ave at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	80.7	48.8	129.5	2
Platteville & CDOT	Intersection	WCR 34 at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	55.5	60.7	116.2	3
Platteville & CDOT	Intersection	Grand Ave at Main St	Systemic Stop Control Modifications	--	150,000	23.7	73.3	97	4
Severance & CDOT	Intersection	WCR 74 at Hwy 257	Rural Multi-Lane Roundabout	--	12,000,000	74	2.9	76.9	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 43	Systemic Stop Control Modifications	--	150,000	73.3	99.2	172.5	1
Weld County & CDOT	Intersection	WCR 17 at US Hwy 34	Reduced Left-Turn Conflict Intersection	--	3,000,000	100	63.7	163.7	1
Weld County & CDOT	Intersection	Hwy 14 at WCR 31	Dedicated Turn Lanes	--	1,500,000	81.4	79.2	160.6	1
Weld County & CDOT	Intersection	Hwy 392 at US Hwy 85	Road Safety Audit and Improvements	--	1,500,000	88.1	70.3	158.4	1
Weld County & CDOT	Intersection	WCR 4 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	58.5	93.3	151.8	1
Weld County & CDOT	Intersection	US Hwy 34 / 18th St at Balsam Ave	Systemic Stop Control Modifications	--	150,000	60	83.7	143.7	2
Weld County & CDOT	Intersection	WCR 13 at US Hwy 34	Reduced Left-Turn Conflict Intersection	--	3,000,000	87.4	56.2	143.6	2
Weld County & CDOT	Intersection	WCR 42 at Hwy 60	Systemic Stop Control Modifications	--	150,000	54.8	85.1	139.9	2

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to- Cost Score	Total Priority Score	Priority Tier
Weld County & CDOT	Intersection	AA St at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	64.4	65.9	130.3	2
Weld County & CDOT	Intersection	Hwy 392 at WCR 55	Rural Single-Lane Roundabout	--	8,000,000	66.6	53.3	119.9	2
Weld County & CDOT	Intersection	WCR 33 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	65.1	54	119.1	2
Weld County & CDOT	Intersection	WCR 38 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	55.5	61.4	116.9	2
Weld County & CDOT	Intersection	WCR 394 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	22.2	94	116.2	3
Weld County & CDOT	Intersection	Hwy 392 at WCR 27	Dedicated Turn Lanes	--	1,500,000	50.3	62.2	112.5	3
Weld County & CDOT	Intersection	Hwy 392 at WCR 47	Rural Multi-Lane Roundabout	--	12,000,000	71.8	38.5	110.3	3
Weld County & CDOT	Intersection	Hwy 60 at WCR 7	Rural Single-Lane Roundabout	--	8,000,000	85.1	24.4	109.5	3
Weld County & CDOT	Intersection	Hwy 392 at WCR 39	Systemic Stop Control Modifications	--	150,000	28.8	78.5	107.3	3
Weld County & CDOT	Intersection	Hwy 52 at WCR 41	Rural Single-Lane Roundabout	--	8,000,000	49.6	54.8	104.4	3
Weld County & CDOT	Intersection	Hwy 14 at WCR 39	Systemic Stop Control Modifications	--	150,000	26.6	77.7	104.3	4
Weld County & CDOT	Intersection	Hwy 392 at WCR 31 (east)	Rural Single-Lane Roundabout	--	8,000,000	69.6	31.1	100.7	4
Weld County & CDOT	Intersection	WCR 70 at US Hwy 85	Dedicated Turn Lanes	--	1,500,000	23.7	72.5	96.2	4
Weld County & CDOT	Intersection	Two Rivers Pkwy at Hwy 60	Rural Single-Lane Roundabout	--	8,000,000	66.6	27.4	94	4
Weld County & CDOT	Intersection	Hwy 14 at WCR 37	Systemic Stop Control Modifications	--	150,000	5.1	88.8	93.9	4
Weld County & CDOT	Intersection	WCR 46 at Hwy 60 (north)	Systemic Stop Control Modifications	--	150,000	21.4	69.6	91	4
Weld County & CDOT	Intersection	Hwy 392 at WCR 37	Rural Single-Lane Roundabout	--	8,000,000	51.8	34	85.8	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 33	Rural Single-Lane Roundabout	--	8,000,000	55.5	26.6	82.1	5
Weld County & CDOT	Intersection	Hwy 14 at WCR 29	Dedicated Turn Lanes	--	1,500,000	40	41.4	81.4	5
Weld County & CDOT	Intersection	Hwy 66 at WCR 1	Rural Multi-Lane Roundabout	--	12,000,000	71.8	7.4	79.2	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 35	Rural Single-Lane Roundabout	--	8,000,000	42.2	37	79.2	5
Weld County & CDOT	Intersection	WCR 46 at Hwy 60 (south)	Dedicated Turn Lanes	--	1,500,000	13.3	59.2	72.5	5
Weld County & CDOT	Intersection	Hwy 392 at WCR 51	Rural Single-Lane Roundabout	--	8,000,000	41.4	28.1	69.5	5
Weld County & CDOT & Evans	Segment	Hwy 60 / Two Rivers Pkwy / WCR 27.5	Lane Departure Mitigation	4.58	686,516	79.6	76.4	156	1
Weld County & Dacano & CDOT	Intersection	Hwy 52 at WCR 19	Dedicated Turn Lanes	--	1,500,000	62.9	46.6	109.5	3
Weld County & Eaton & CDOT	Intersection	WCR 76 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	32.5	47.4	79.9	5

Appendix D | Prioritized Projects

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to- Cost Score	Total Priority Score	Priority Tier
Weld County & Firestone & CDOT	Intersection	Hwy 119 at WCR 3.5	Systemic Traffic Signal Modifications	--	250,000	82.2	80.7	162.9	1
Weld County & Firestone & CDOT	Intersection	Hwy 119 at Turner Blvd	Road Safety Audit and Improvements	--	1,500,000	92.5	64.4	156.9	1
Weld County & Firestone & CDOT	Intersection	Hwy 119 at WCR 5	Road Safety Audit and Improvements	--	1,500,000	45.1	71.8	116.9	3
Weld County & Fort Lupton & CDOT	Intersection	WCR 6 at US Hwy 85	Systemic Traffic Signal Modifications	--	250,000	88.8	84.4	173.2	1
Weld County & Fort Lupton & CDOT	Intersection	WCR 18 at US Hwy 85	Systemic Traffic Signal Modifications	--	250,000	76.2	95.5	171.7	1
Weld County & Fort Lupton & CDOT	Intersection	WCR 22.5 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	25.9	92.5	118.4	2
Weld County & Fort Lupton & CDOT	Intersection	WCR 22 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	34	81.4	115.4	3
Weld County & Fort Lupton & CDOT	Intersection	WCR 20 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	16.2	91.1	107.3	3
Weld County & Fort Lupton & CDOT	Intersection	Hwy 52 at WCR 37	Rural Single-Lane Roundabout	--	8,000,000	51.8	42.2	94	4
Weld County & Gilcrest & CDOT	Intersection	WCR 42 at US Hwy 85	Reduced Left-Turn Conflict Intersection	--	3,000,000	53.3	51.1	104.4	3
Weld County & Pierce & CDOT	Intersection	WCR 90 at US Hwy 85	Rural Single-Lane Roundabout	--	8,000,000	37.7	34.8	72.5	5
Weld County & Platteville & CDOT	Intersection	Hwy 66 at WCR 19	Rural Single-Lane Roundabout	--	8,000,000	79.2	50.3	129.5	2
Weld County & Platteville & CDOT	Intersection	WCR 38 at Hwy 60	Systemic Stop Control Modifications	--	150,000	18.5	97	115.5	3
Weld County & Platteville & CDOT	Intersection	WCR 24.5 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	17.7	91.8	109.5	3
Weld County & Platteville & CDOT	Intersection	WCR 28 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	31.8	75.5	107.3	3
Weld County & Platteville & CDOT	Intersection	WCR 26 at US Hwy 85	Systemic Stop Control Modifications	--	150,000	19.2	71.1	90.3	4
Weld County & Platteville & CDOT	Intersection	Hwy 66 at WCR 21	Rural Single-Lane Roundabout	--	8,000,000	74	16.2	90.2	4
Weld County & Severance & CDOT	Intersection	Hwy 392 at WCR 23	Rural Single-Lane Roundabout	--	8,000,000	77	40	117	2

Appendix D | Prioritized Projects

Table 4: Other Action Plan Jurisdictions Only

Jurisdiction	Intersection or Segment	Location	Project Type	Length (mi)	Est. Cost (\$)	Crash Severity Score	Benefit-to-Cost Score	Total Priority Score	Priority Tier
Dacono	Segment	Colorado Blvd	Lane Departure Mitigation	3.04	455,405	53.6	55.2	108.8	3
Eaton	Intersection	E 5th St at UPRR	Road Safety Audit and Improvements	--	1,500,000	19.2	67.4	86.6	5
Evans	Intersection	32nd St at 3rd Ave	Systemic Traffic Signal Modifications	--	250,000	94	82.2	176.2	1
Evans	Segment	11th Ave	Lane Reconfiguration	0.99	692,462	97.5	73.1	170.6	1
Evans	Segment	32nd St	Speed Management Treatments	1.01	503,304	78.8	52	130.8	2
Evans	Segment	Prairie View Dr / 42nd St	Lane Reconfiguration	2.12	1,487,220	86.9	39	125.9	2
Evans	Intersection	37th St at 35th Ave	Urban Multi-Lane Roundabout	--	6,000,000	90.3	33.3	123.6	2
Evans	Segment	37th St	Lane Reconfiguration	1.16	814,377	74.7	48.7	123.4	2
Evans	Segment	37th St	Shoulder Installation / Widening	2.00	3,991,198	86.1	26.8	112.9	3
Evans	Segment	34th St	Lane Reconfiguration	1.00	699,749	69.1	43	112.1	3
Evans	Segment	17th St	Lane Reconfiguration	1.01	710,162	61.7	42.2	103.9	3
Evans	Intersection	34th St at 35th Ave	Urban Multi-Lane Roundabout	--	6,000,000	62.2	13.3	75.5	5
Evans & Milliken	Segment	65th Ave / WCR 378 Turnoff	Lane Departure Mitigation	0.14	20,950	47.1	93.4	140.5	2
Firestone	Intersection	Sable Ave at E I-25 Frontage Rd	Systemic Stop Control Modifications	--	150,000	80	98.5	178.5	1
Firestone	Intersection	Firestone Blvd at E I-25 Frontage Rd	Road Safety Audit and Improvements	--	1,500,000	96.2	57	153.2	1
Firestone	Segment	Pine Cone Ave	Shoulder Installation / Widening	1.93	3,869,177	90.2	30	120.2	2
Firestone	Intersection	Bella Rosa Pkwy / Pine Cone Ave at Colorado Blvd	Urban Single-Lane Roundabout	--	4,000,000	60	17.7	77.7	5
Firestone	Segment	WCR 19	Shoulder Installation / Widening	6.03	12,068,125	69.9	4.8	74.7	5
Firestone & Frederick	Segment	Colorado Blvd	Median and Access Management	2.01	7,039,616	87.8	20.3	108.1	3
Fort Lupton	Segment	9th St	Speed Management Treatments	0.68	339,986	43	71.5	114.5	3
Frederick	Intersection	Tripple Pkwy at E I-25 Frontage Rd	Systemic Stop Control Modifications	--	150,000	35.5	97.7	133.2	2
Frederick	Segment	WCR 5	Lane Departure Mitigation	1.29	193,397	24.3	77.2	101.5	4
Frederick	Segment	Aggregate Blvd	Shoulder Installation / Widening	1.39	2,770,366	70.7	28.4	99.1	4
Severance	Segment	WCR 74	Speed Management Treatments	1.35	676,863	60.1	67.4	127.5	2
Severance	Segment	WCR 23	Lane Departure Mitigation	0.78	117,433	26	89.4	115.4	3
Severance	Segment	WCR 74	Lane Departure Mitigation	1.59	239,241	28.4	79.6	108	3