

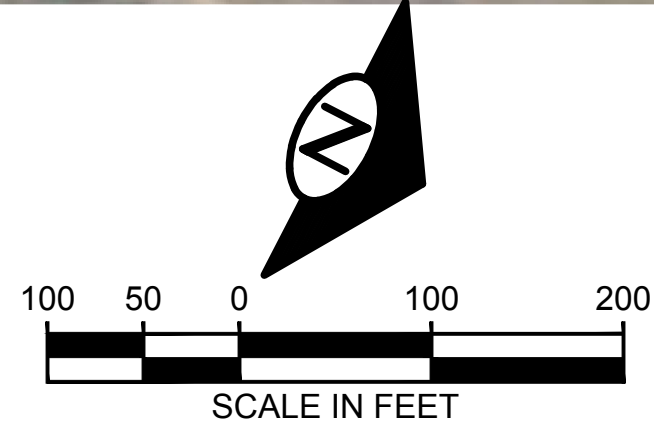
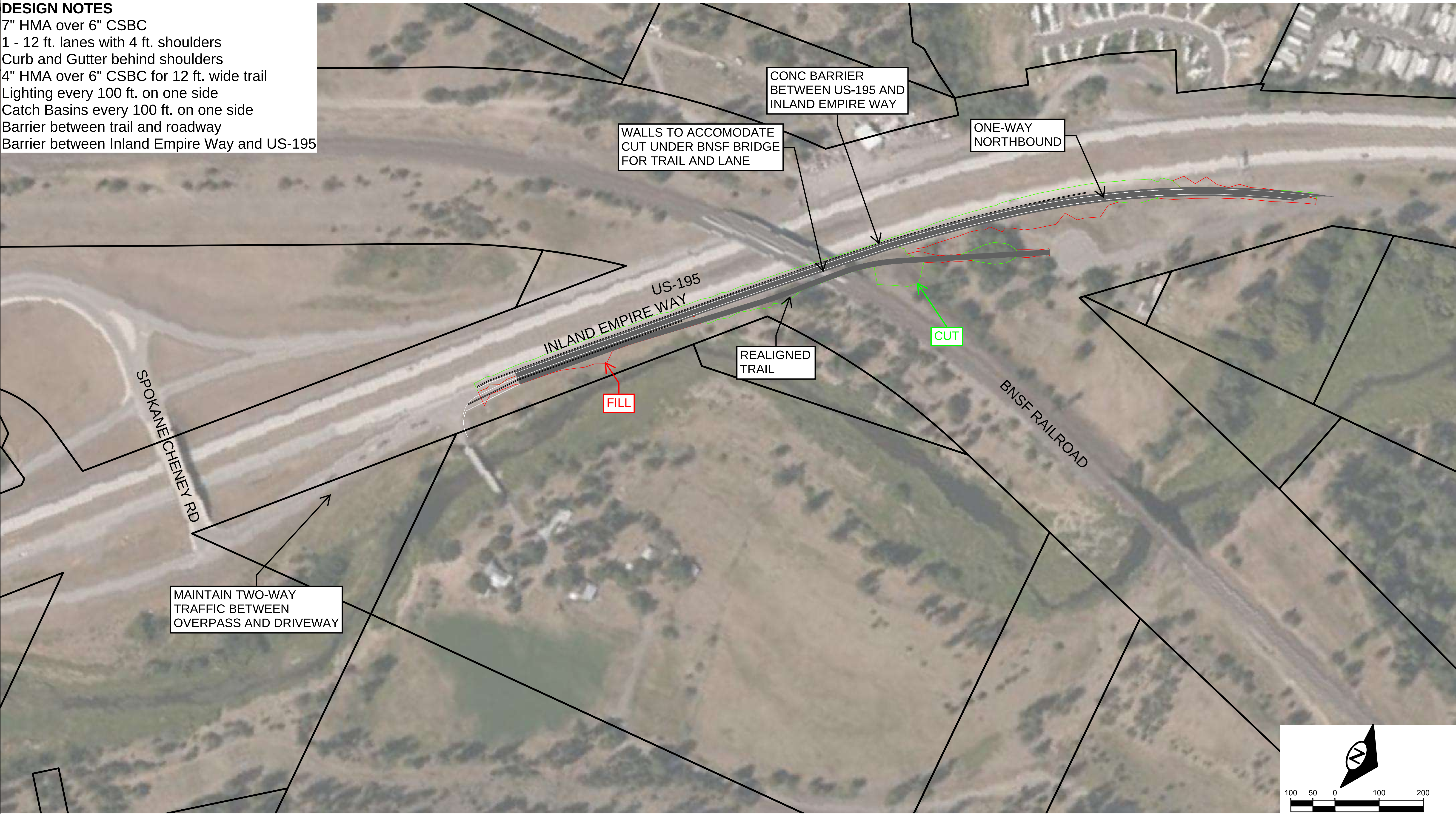
Planning Level Cost Estimate

Project #9 Inland Empire Way Connection: Phase 1 (One-Way Connection)

ITEM	UNIT	QUANTITY	UNIT COST	SUB-TOTAL
Mobilization	LS	1	\$ 300,000	\$ 300,000
Erosion Control	LS	1	\$ 25,000	\$ 25,000
Signing and Striping	LS	1	\$ 15,000	\$ 15,000
Pavement 7" HMA	TON	2,100	\$ 130	\$ 273,000
Pavement 4" HMA For Trail	TON	400	\$ 110	\$ 44,000
CSBC 6"	TON	2,200	\$ 30	\$ 66,000
2" HMA Overlay	TON	5,200	\$ 130.00	\$ 676,000.00
2" Grind	SY	45,600	\$ 7.00	\$ 319,200.00
4" Cem Conc Sidewalk	SY	2,920	\$ 40.00	\$ 116,800.00
Cem Conc Curb and Gutter	LF	5,252	\$ 25.00	\$ 131,300.00
Traffic Calming & Landscaping	LS	1	\$ 80,000.00	\$ 80,000.00
Cut	CUYD	1,800	\$ 8	\$ 14,400
Embankment Compaction	CUYD	1,800	\$ 6	\$ 10,800
Fill	TON	2,300	\$ 30	\$ 69,000
Traffic Barrier	LF	3,060	\$ 50	\$ 153,000
Impact Attenuator	EA	1	\$ 20,000	\$ 20,000
Driveways	EA	1	\$ 15,000	\$ 15,000
Illumination	EA	20	\$ 15,000	\$ 300,000
Wall	SQFT	10,000	\$ 40	\$ 400,000
12" Drain Pipe	LF	2,000	\$ 35	\$ 70,000
Catch Basins	EA	20	\$ 1,200	\$ 24,000
Detention Facility	LS	1	\$ 100,000	\$ 100,000
Clearing	AC	3	\$ 24,000	\$ 78,000
Removals	LS	0	\$ -	\$ -
MOT	LS	1	\$ 300,000	\$ 300,000
ROW (un-improved)	SQFT		\$ 10	\$ -
Slope/Construction Easement	SQFT		\$ 5	\$ -
Misc. (20%)				\$ 720,100
RR Coordination				\$ 175,000
Design Fees (30%)				\$ 1,296,180
Survey				
Geotech				
Environmental				
Hydraulics				
Admin				
Construction Contingency (10%)				\$ 432,060.00
Construction Management (15%)				\$ 712,899.00
Total				\$ 6,936,739

Estimated in 2021 based on current costs.

DESIGN NOTES
7" HMA over 6" CSBC
1 - 12 ft. lanes with 4 ft. shoulders
Curb and Gutter behind shoulders
4" HMA over 6" CSBC for 12 ft. wide trail
Lighting every 100 ft. on one side
Catch Basins every 100 ft. on one side
Barrier between trail and roadway
Barrier between Inland Empire Way and US-195



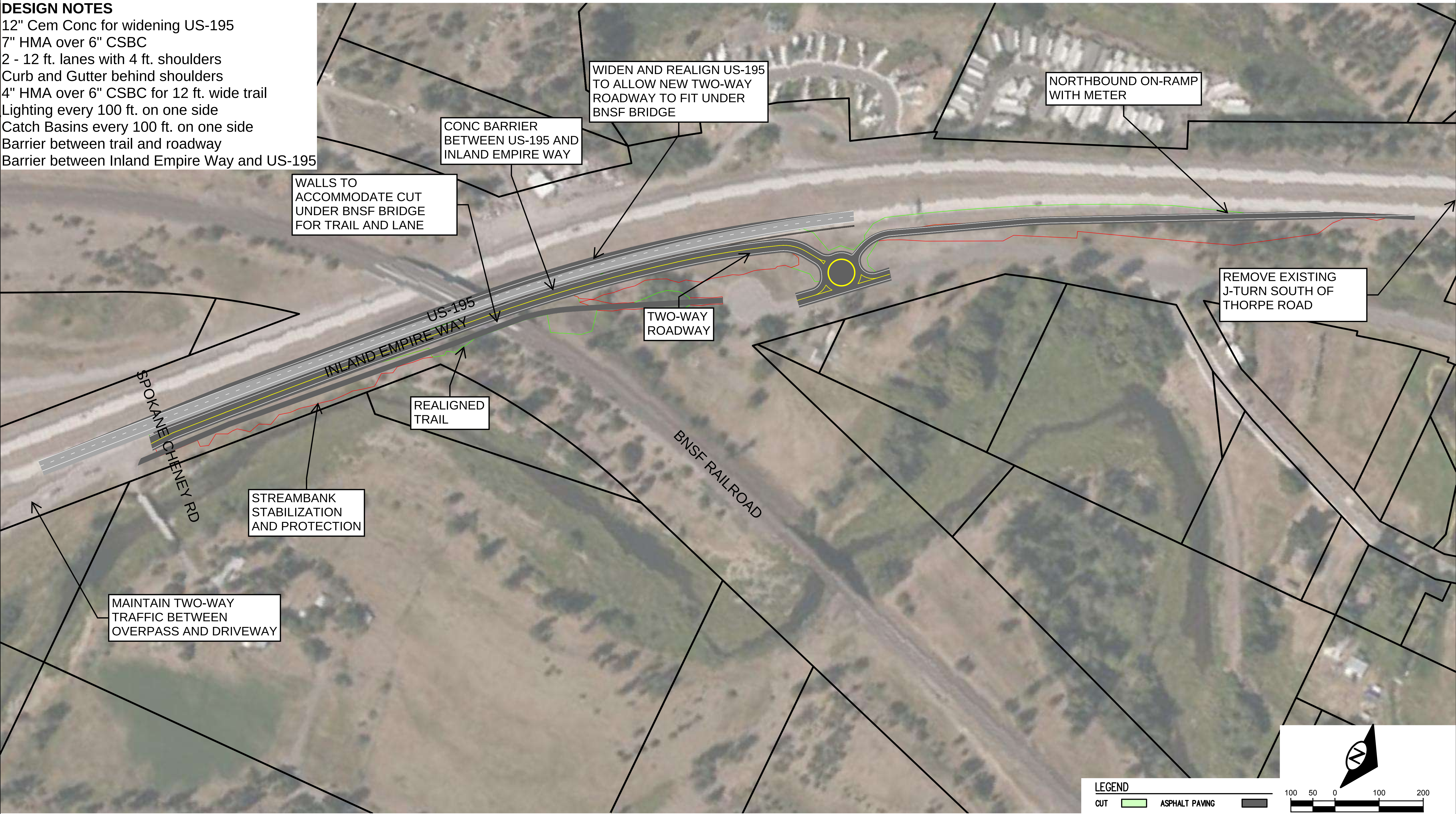
Planning Level Cost Estimate

Project #9 Inland Empire Way Connection: Phase 2 (Two-Way Connection)

ITEM	UNIT	QUANTITY	UNIT COST	SUB-TOTAL
Mobilization	LS	1	\$ 300,000	\$ 300,000
Erosion Control	LS	1	\$ 25,000	\$ 25,000
Signing and Striping	LS	1	\$ 15,000	\$ 15,000
Pavement 7" HMA	TON	3,900	\$ 130	\$ 507,000
Pavement 4" HMA For Trail	TON	430	\$ 110	\$ 47,300
Pavement 12" Cem Conc	CY	1,300	\$ 300	\$ 390,000
CSBC 6"	TON	3,800	\$ 30	\$ 114,000
2" HMA Overlay	TON	5,200	\$ 130.00	\$ 676,000.00
2" Grind	SY	45,600	\$ 7.00	\$ 319,200.00
4" Cem Conc Sidewalk	SY	2,920	\$ 40.00	\$ 116,800.00
Cem Conc Curb and Gutter	LF	5,252	\$ 25.00	\$ 131,300.00
Traffic Calming & Landscaping	LS	1	\$ 80,000.00	\$ 80,000.00
Cut	CUYD	5,500	\$ 8	\$ 44,000
Embankment Compaction	CUYD	5,500	\$ 6	\$ 33,000
Fill	TON	5,300	\$ 30	\$ 159,000
Traffic Barrier	LF	2,761	\$ 50	\$ 138,050
Impact Attenuator	EA	1	\$ 20,000	\$ 20,000
Driveways	EA	1	\$ 15,000	\$ 15,000
Illumination	EA	20	\$ 15,000	\$ 300,000
Ramp Meter	EA	1	\$ 100,000	\$ 100,000
Relocate DMS Sign	LS	1	\$ 250,000	\$ 250,000
Wall	SQFT	10,000	\$ 40	\$ 400,000
12" Drain Pipe	LF	2,000	\$ 35	\$ 70,000
Catch Basins	EA	20	\$ 1,200	\$ 24,000
Detention Facility	LS	1	\$ 100,000	\$ 100,000
Clearing	AC	3	\$ 24,000	\$ 78,000
Removals	LS	0	\$ -	\$ -
MOT	LS	1	\$ 300,000	\$ 300,000
ROW (un-improved)	SQFT		\$ 10	\$ -
Slope/Construction Easement	SQFT		\$ 5	\$ -
Misc. (20%)				\$ 950,530
RR Coordination				\$ 175,000
Design Fees (30%)				\$ 1,710,954
Survey				
Geotech				
Environmental				
Hydraulics				
Admin				
Construction Contingency (10%)				\$ 570,318.00
Construction Management (15%)				\$ 941,024.70
Total				\$ 9,100,477

Estimated in 2021 based on current costs.

DESIGN NOTES
12" Cem Conc for widening US-195
7" HMA over 6" CSBC
2 - 12 ft. lanes with 4 ft. shoulders
Curb and Gutter behind shoulders
4" HMA over 6" CSBC for 12 ft. wide trail
Lighting every 100 ft. on one side
Catch Basins every 100 ft. on one side
Barrier between trail and roadway
Barrier between Inland Empire Way and US-195



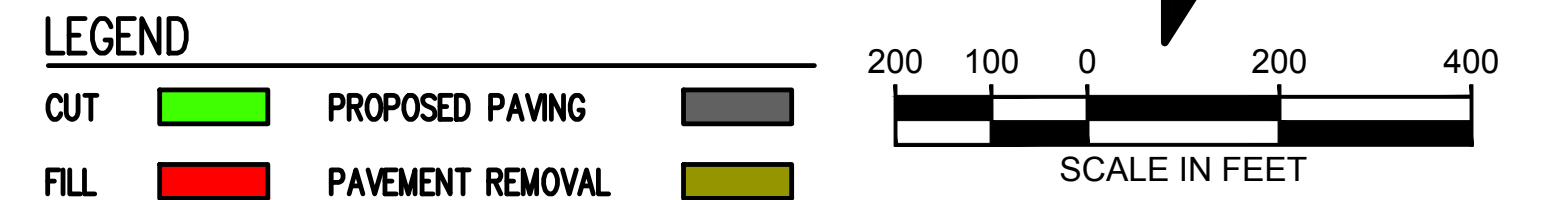
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Planning Level Cost Estimate
Project #9 Lindeke Street Extension

ITEM	UNIT	QUANTITY	UNIT COST	SUB-TOTAL
Mobilization	LS	1	\$ 300,000	\$ 300,000
Erosion Control	LS	1	\$ 50,000	\$ 50,000
Signing and Striping	LS	1	\$ 15,000	\$ 15,000
Pavement 7" HMA	TON	7,500	\$ 130	\$ 975,000
CSBC 6"	TON	5,800	\$ 30	\$ 174,000
Remove Asphalt	SY	10,600	\$ 4.00	\$ 42,400.00
7" HMA Overlay	TON	1,210	\$ 130.00	\$ 157,300.00
CSBC 6"	TON	1,090	\$ 30.00	\$ 32,700.00
4" Cem Conc Sidewalk	SY	1,265	\$ 40.00	\$ 50,600.00
Cem Conc Curb and Gutter	LF	2,300	\$ 25.00	\$ 57,500.00
Traffic Calming & Landscaping	LS	1	\$ 50,000.00	\$ 50,000.00
Cut	CUYD	13,700	\$ 8	\$ 109,600
Embankment Compaction	CUYD	13,700	\$ 6	\$ 82,200
Traffic Barrier	LF	0	\$ 25	\$ -
Traffic Islands for Roundabout	CUYD	225	\$ 250	\$ 56,250
Driveways	EA	0	\$ 15,000	\$ -
Illumination	EA	6	\$ 10,000	\$ 60,000
Traffic Signal	EA	0	\$ 300,000	\$ -
Bridge Structure	SQFT	5,355	\$ 200	\$ 1,071,000
Wall	SQFT	0	\$ 40	\$ -
12" Drain Pipe	LF	6,600	\$ 15	\$ 99,000
Catch Basins	EA	660	\$ 1,000	\$ 660,000
Detention Facility	LS	1	\$ 100,000	\$ 100,000
Clearing	AC	5	\$ 24,000	\$ 120,000
Removals	LS	1	\$ 100,000	\$ 100,000
MOT	LS	1	\$ 436,255	\$ 436,255
ROW (un-improved)	SQFT	0	\$ 10	\$ 150,000
Slope/Construction Easement	SQFT	0	\$ 5	\$ -
Misc. (20%)				\$ 989,761
RR Coordination				
Design Fees (30%)				\$ 1,781,570
Survey				
Geotech				
Environmental				
Hydraulics				
Admin				
Construction Contingency (10%)				\$ 593,856.60
Construction Management (15%)				\$ 979,863.39
Total				\$ 9,293,856

Estimated in 2021 based on current costs.

7" HMA over 6" CSBC
2 - 12 ft. lanes with 4 ft. shoulders
Curb and Gutter behind shoulders
Catch Basins every 100 ft. on both sides of roadway
Roundabout at intersection with Thorpe and Marshall

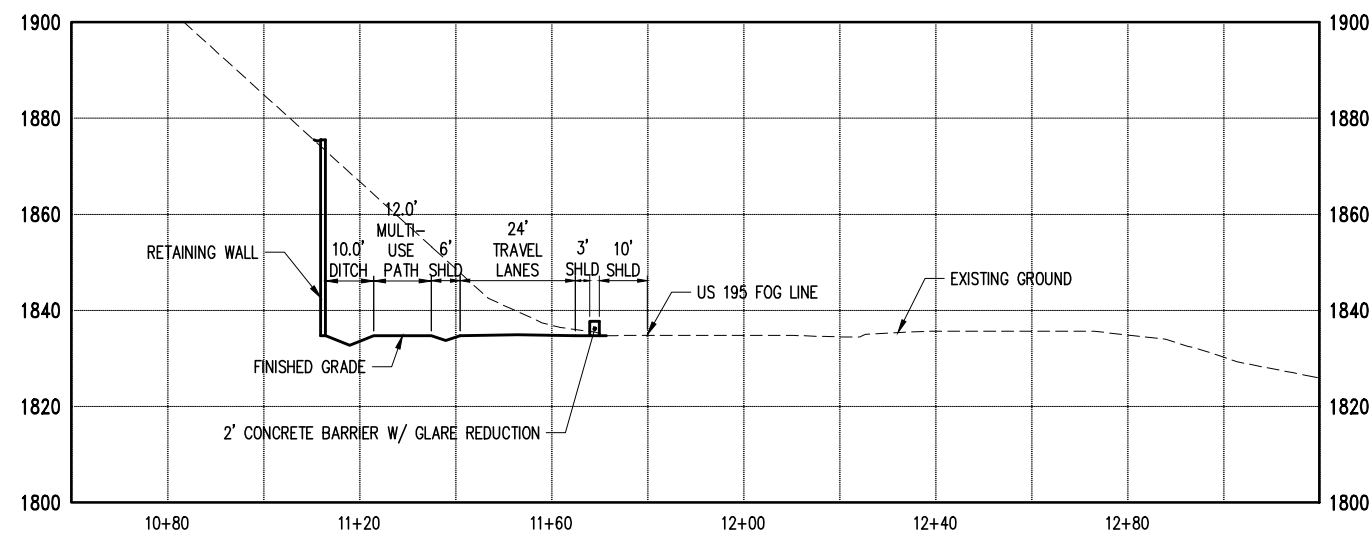
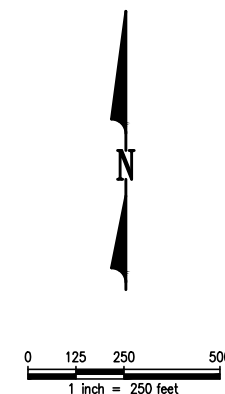
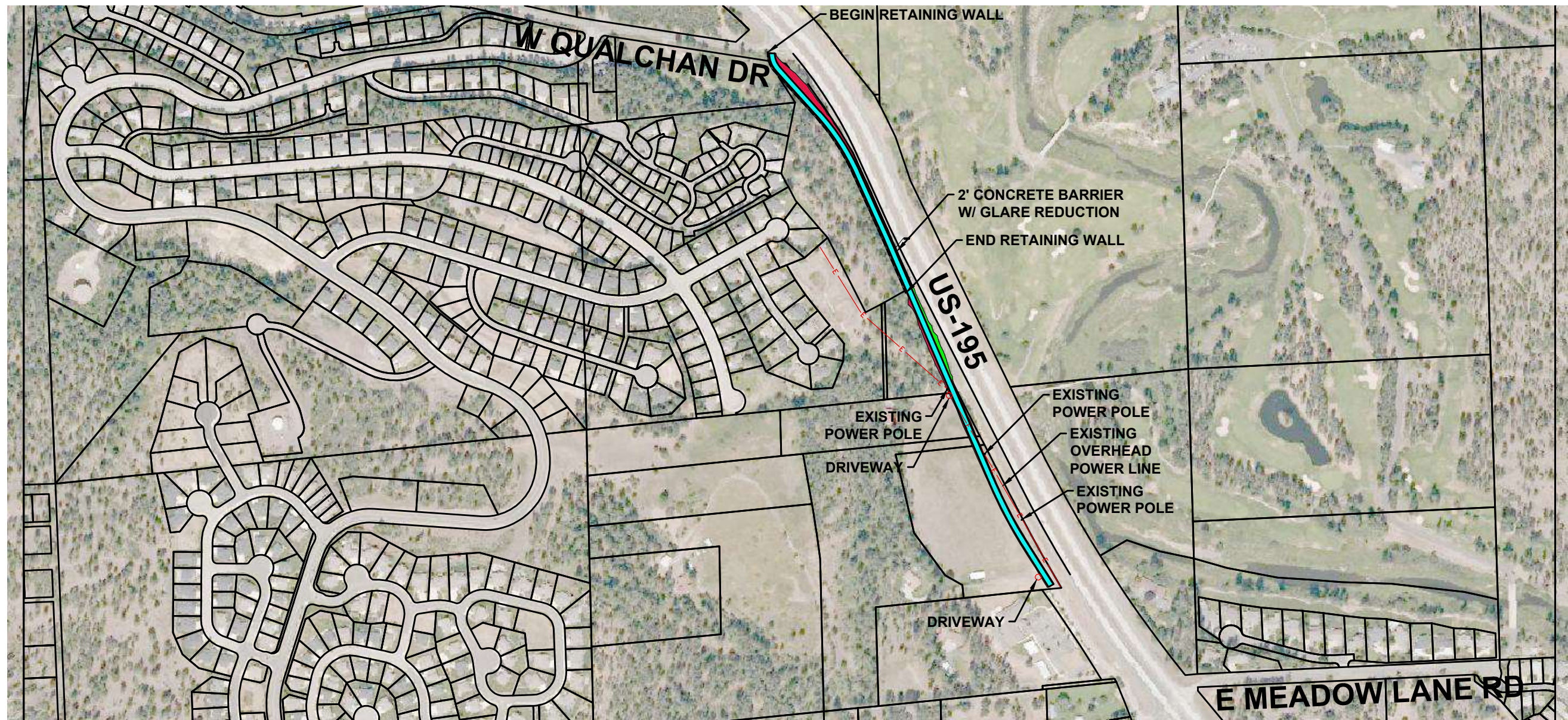


Planning Level Cost Estimate

Project #13 US Qualchan Drive Extension to Meadow Lane Road

ITEM	UNIT	QUANTITY	UNIT COST	SUB-TOTAL
Mobilization	LS	1	\$ 700,000	\$ 700,000
Erosion Control	LS	1	\$ 50,000	\$ 50,000
Signing and Striping	LS	1	\$ 15,000	\$ 15,000
Pavement 7" HMA	TON	7597	\$ 130	\$ 987,610
CSBC 6"	TON	7000	\$ 30	\$ 210,000
Cut	CUYD	29761	\$ 35	\$ 1,041,635
Fill	TON	30000	\$ 25	\$ 750,000
Traffic Barrier	LF	1000	\$ 25	\$ 25,000
Driveways	EA	6	\$ 15,000	\$ 90,000
Illumination	EA	6	\$ 10,000	\$ 60,000
Pedestrian Hybrid Beacon	EA	1	\$ 150,000.00	\$ 150,000.00
Traffic Signal	EA	1	\$ 300,000	\$ 300,000
Bridge Structure	SQFT	5280	\$ 350	\$ 1,848,000
Wall	SQFT	30000	\$ 45	\$ 1,350,000
12" Drain Pipe	LF	3654	\$ 15	\$ 54,810
Catch Basins	EA	37	\$ 1,000	\$ 37,000
Detention Facility	LS	1	\$ 100,000	\$ 100,000
Clearing	AC	8	\$ 24,000	\$ 192,000
Removals	LS	1		\$ -
MOT	LS			\$ -
ROW	SQFT	174478	\$ 20	\$ 3,489,560
Misc. (20%)				\$ 2,290,123
RR Coordination				\$ 175,000
Design Fees (30%)				\$ 4,122,221
Survey				
Geotech				
Environmental				
Hydraulics				
Admin				
Construction Contingency (10%)				\$ 1,374,073.80
Construction Management (15%)				\$ 2,267,221.77
Total				\$ 21,679,255

Estimated in 2021 based on current costs.



Project #13: Qualchan Drive Extension to Meadow Lane Road

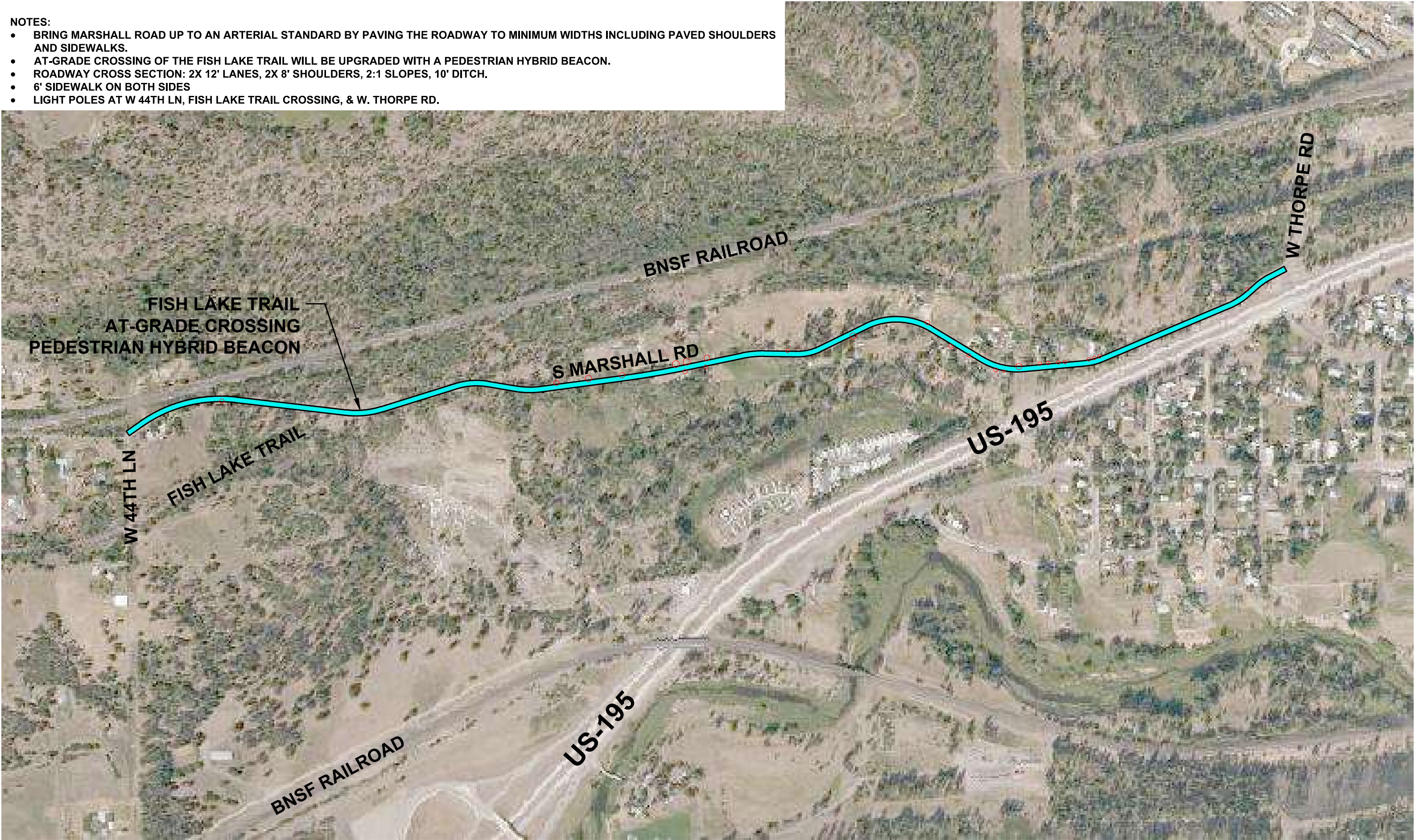
Planning Level Cost Estimate

Project #14 Marshall Road Improvements (Thorpe Road to 44th Avenue)

ITEM	UNIT	QUANTITY	UNIT COST	SUB-TOTAL
Mobilization	LS	1	\$ 400,000	\$ 400,000
Erosion Control	LS	1	\$ 30,000	\$ 30,000
Signing and Striping	LS	1	\$ 20,000	\$ 20,000
Pavement 7" HMA	TON	11600	\$ 130	\$ 1,508,000
CSBC 6"	TON	9000	\$ 30	\$ 270,000
SIDEWALK 4" CEM CONC	SY	10000.00	\$ 40	\$ 400,000
Cut	CUYD	0	\$ 25	\$ -
Fill	TON	20000	\$ 30	\$ 600,000
Traffic Barrier	LF	0	\$ 25	\$ -
Driveways	EA	25	\$ 15,000	\$ 375,000
Illumination	EA	6	\$ 10,000	\$ 60,000
Pedestrian Hybrid Beacon	EA	1	\$ 150,000	\$ 150,000
Bridge Structure	SQFT	0	\$ 350	\$ -
Wall	SQFT	0	\$ 120	\$ -
12" Drain Pipe	LF	14000	\$ 50	\$ 700,000
Catch Basins	EA	140	\$ 1,000	\$ 140,000
Detention Facility	LS	1	\$ 100,000	\$ 100,000
Clearing	AC	12	\$ 24,000	\$ 288,000
Removals	LS	1		\$ -
MOT	LS	1	\$ 300,000	\$ 300,000
ROW	SQFT	0	\$ 30	\$ -
Misc. (20%)				\$ 1,068,200
RR Coordination				
Design Fees (30%)				\$ 1,922,760
Survey				
Geotech				
Environmental				
Hydraulics				
Admin				
Construction Contingency (10%)				\$ 640,920.00
Construction Management (15%)				\$ 1,057,518.00
Total				\$ 10,030,398

Estimated in 2021 based on current costs.

- NOTES:
- BRING MARSHALL ROAD UP TO AN ARTERIAL STANDARD BY PAVING THE ROADWAY TO MINIMUM WIDTHS INCLUDING PAVED SHOULDERS AND SIDEWALKS.
 - AT-GRADE CROSSING OF THE FISH LAKE TRAIL WILL BE UPGRADED WITH A PEDESTRIAN HYBRID BEACON.
 - ROADWAY CROSS SECTION: 2X 12' LANES, 2X 8' SHOULDERS, 2:1 SLOPES, 10' DITCH.
 - 6' SIDEWALK ON BOTH SIDES
 - LIGHT POLES AT W 44TH LN, FISH LAKE TRAIL CROSSING, & W. THORPE RD.



Project #14: Marshall Road Improvements (Thorpe Road to 44th Avenue)

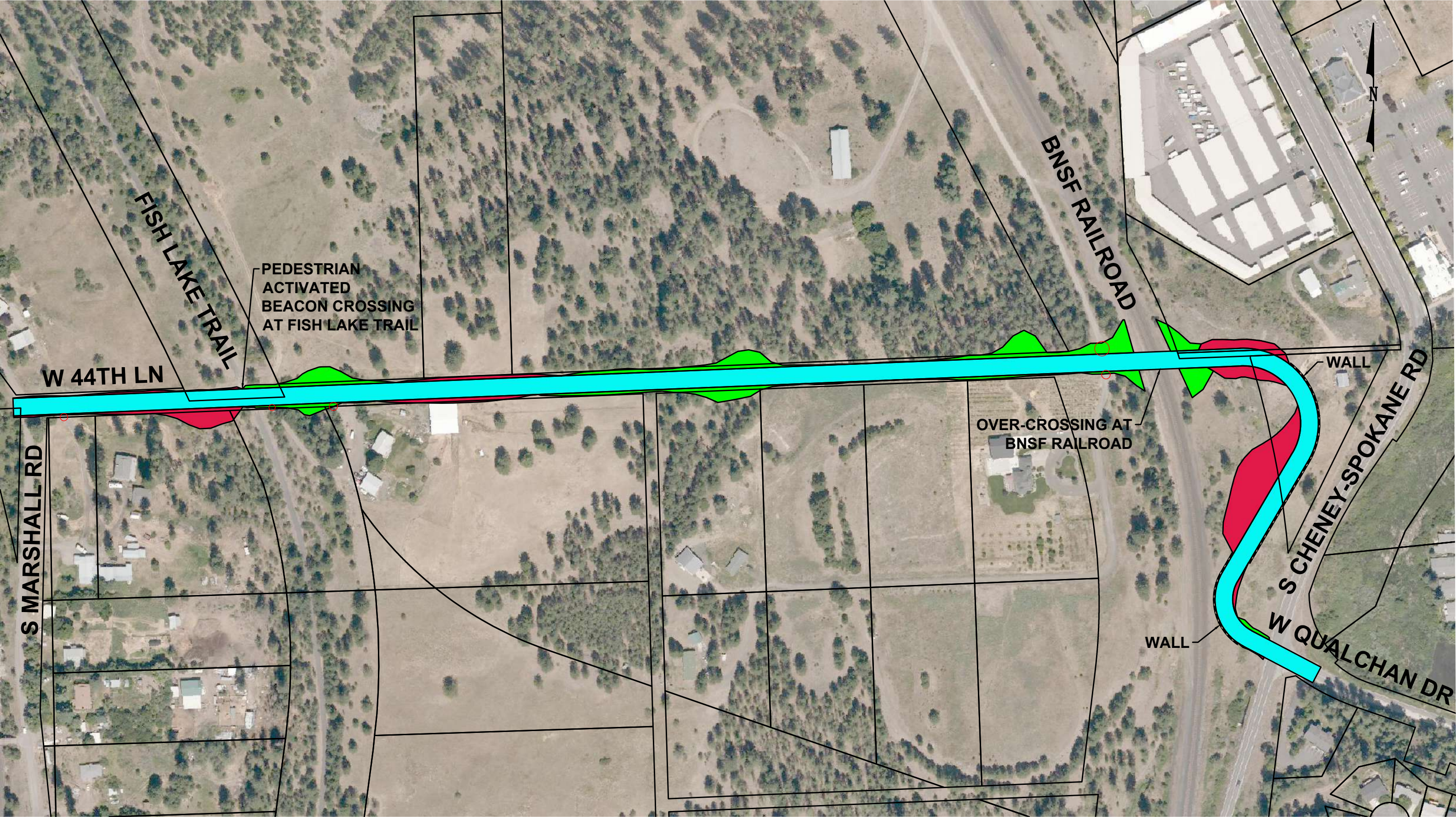


Planning Level Cost Estimate

Project #18 Qualchan Drive Extension to Marshall Road

ITEM	UNIT	QUANTITY	UNIT COST	SUB-TOTAL
Mobilization	LS	1	\$ 550,000	\$ 550,000
Erosion Control	LS	1	\$ 50,000	\$ 50,000
Signing and Striping	LS	1	\$ 12,000	\$ 12,000
Pavement 7" HMA	TON	3700	\$ 130	\$ 481,000
CSBC 6"	TON	3300	\$ 30	\$ 99,000
Cut	CUYD	100000	\$ 25	\$ 2,500,000
Fill	TON	832.5	\$ 30	\$ 24,975
Traffic Barrier	LF	1003	\$ 25	\$ 25,075
Driveways	EA	3	\$ 15,000	\$ 45,000
Illumination	EA	26	\$ 10,000	\$ 260,000
Traffic Signal	EA	0	\$ 300,000	\$ -
Bridge Structure	SQFT	0	\$ 350	\$ -
Wall	SQFT	50000	\$ 45	\$ 2,250,000
12" Drain Pipe	LF	2641	\$ 20	\$ 52,820
Catch Basins	EA	26	\$ 1,000	\$ 26,000
Detention Facility	LS	1	\$ 100,000	\$ 100,000
Clearing	AC	4.93	\$ 24,000	\$ 118,320
Removals	LS	1		\$ -
MOT	LS			\$ -
ROW	SQFT	90225	\$ 25	\$ 2,255,625
Misc. (20%)				\$ 1,769,963
RR Coordination				
Design Fees (30%)				\$ 3,185,933
Survey				
Geotech				
Environmental				
Hydraulics				
Admin				
Construction Contingency (10%)				\$ 1,061,977.80
Construction Management (15%)				\$ 1,752,263.37
Total				\$ 16,619,953

Estimated in 2021 based on current costs.

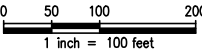


- NOTES:
- ROADWAY SECTION: 2X 12' LANES, 2X 2' SHOULDERS, 1X 6' SIDEWALK SEPARATED BY 6' DITCH, 2:1 SLOPES, CLEARING 20' EACH SIDE OF ROAD FOR DITCH LINE
 - LIGHT POLES AT INTERSECTIONS
 - PROFILE SLOPE DOES NOT EXCEED 8%
 - SINGLE SPAN BRIDGE OVER BNSF RAILROAD
 - COORDINATE WITH CITY OF SPOKANE WATER TRANSMISSION MAIN PROJECT THAT WILL FOLLOW A SIMILAR ALIGNMENT

LEGEND

CUT		FILL		PROPOSED PAVING	
WALL		DRIVEWAY			

Project #18: Qualchan Drive Extension to Marshall Road

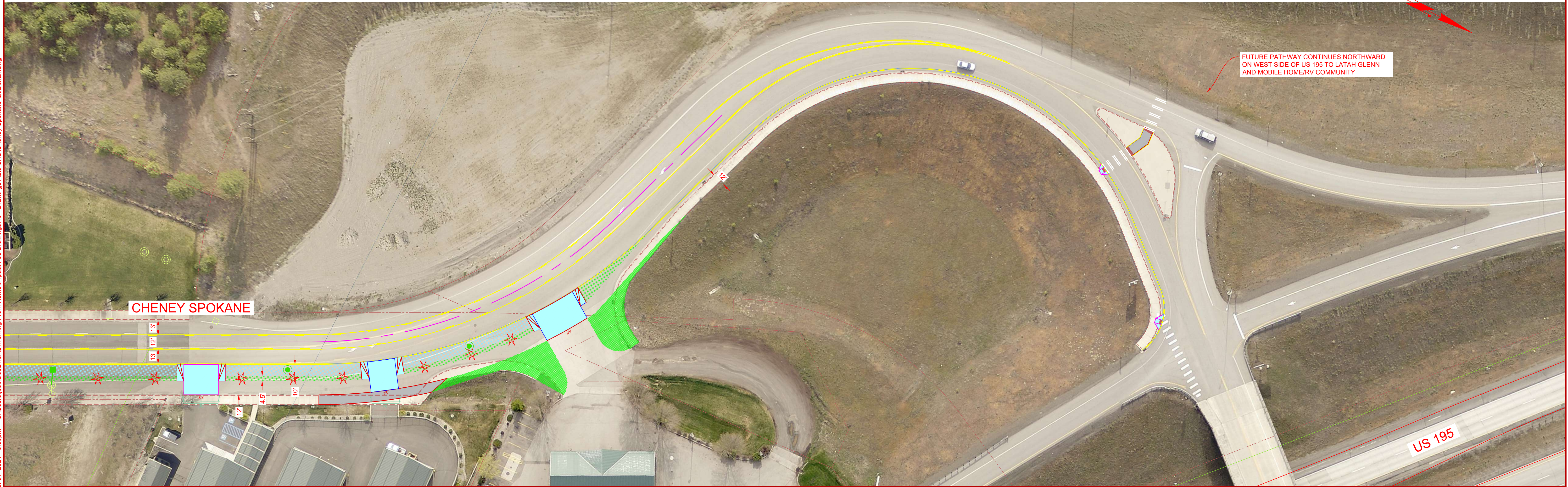
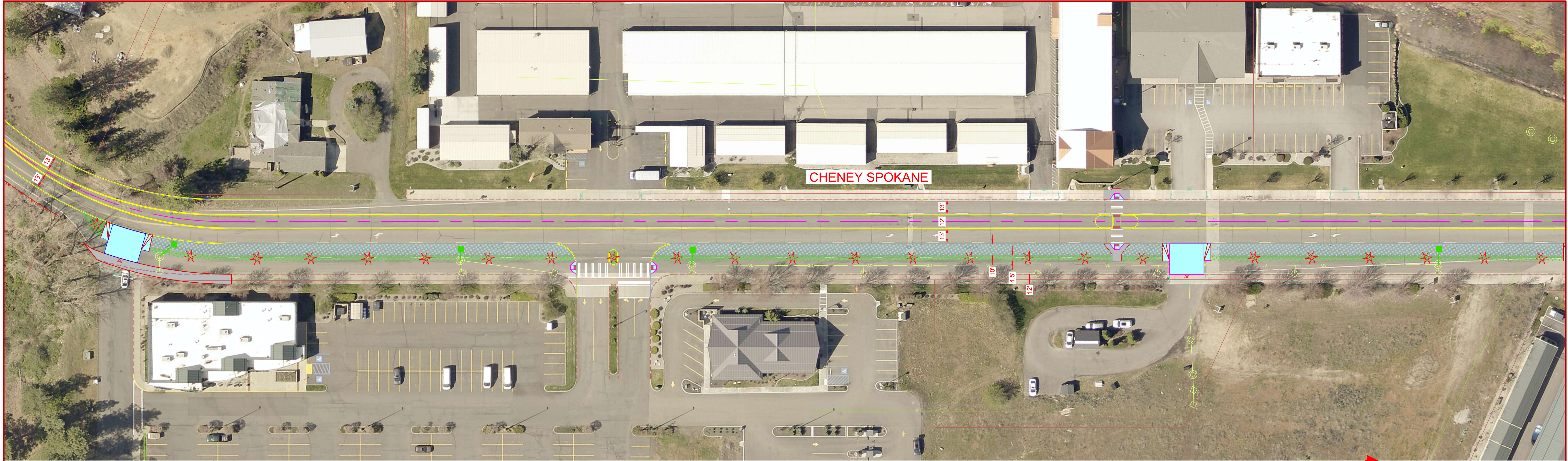


Planning Level Cost Estimate

Project # 25: Meadow Lane to Hatch Road Connection

ITEM	UNIT	QUANTITY	UNIT COST	SUB-TOTAL
Pavement 7" HMA	TON	9167	\$ 130	\$ 1,191,710
CSBC 6"	TON	7091	\$ 30	\$ 212,730
Cut	CUYD	25000	\$ 35	\$ 875,000
Fill	TON	15000	\$ 25	\$ 375,000
Traffic Barrier	LF	1000	\$ 25	\$ 25,000
Driveways	EA	2	\$ 15,000	\$ 30,000
Illumination (pole every 100')	EA	52	\$ 10,000	\$ 520,000
Traffic Signal	EA		\$ 300,000	\$ -
Bridge Structure	SQFT		\$ 350	\$ -
Wall	SQFT	20000	\$ 45	\$ 900,000
12" Drain Pipe	LF	5200	\$ 15	\$ 78,000
Catch Basins	EA	52	\$ 1,000	\$ 52,000
Detention Facility	LS	1	\$ 100,000	\$ 100,000
Clearing	AC	8	\$ 24,000	\$ 192,000
Removals	LS			\$ -
MOT	LS			\$ -
ROW	SQFT	310464	\$ 20	\$ 6,209,280
Misc. (20%)				\$ 2,152,144
RR Coordination				\$ -
Design Fees (30%)				\$ 3,873,859
Survey				
Geotech				
Environmental				
Hydraulics				
Admin				
Construction Contingency (10%)				\$ 1,291,286.40
Construction Management (15%)				\$ 2,130,622.56
Total				\$ 20,208,632

Estimated in 2021 based on current costs.





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PUBLIC WORKS DIVISION
INTEGRATED CAPITAL MANAGEMENT

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TO BE USED FOR DESIGN OR CONSTRUCTION.

Qualchan Drive Pathway

PROJECT #

Qualchna to US 195

Option 2 - Shared use path.