

Planning Level Cost Estimate

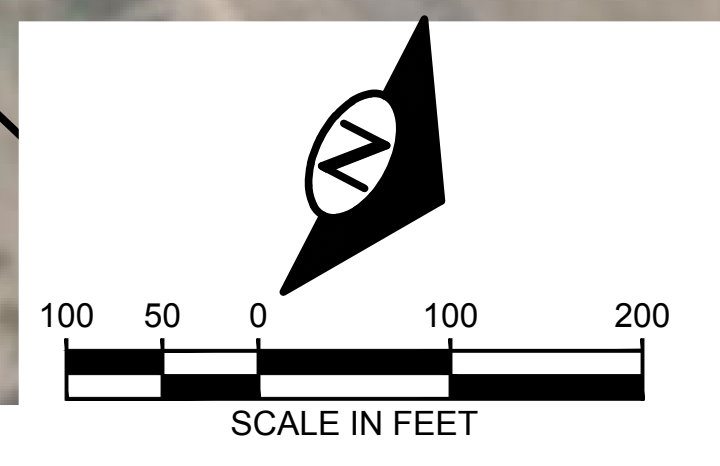
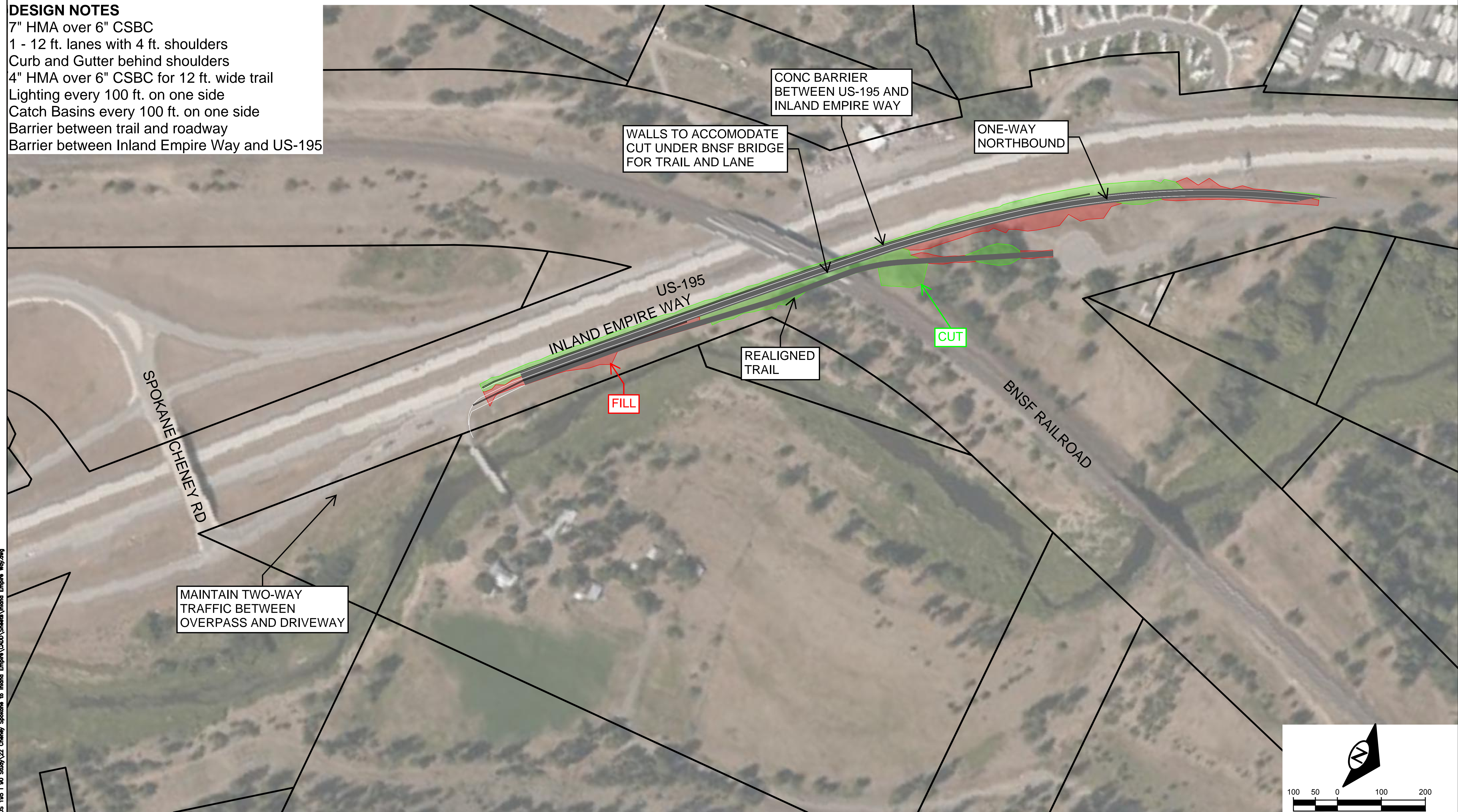
Project #9 Inland Empire Way Connection: Phase 1 (One-Way Connection)

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



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Planning Level Cost Estimate

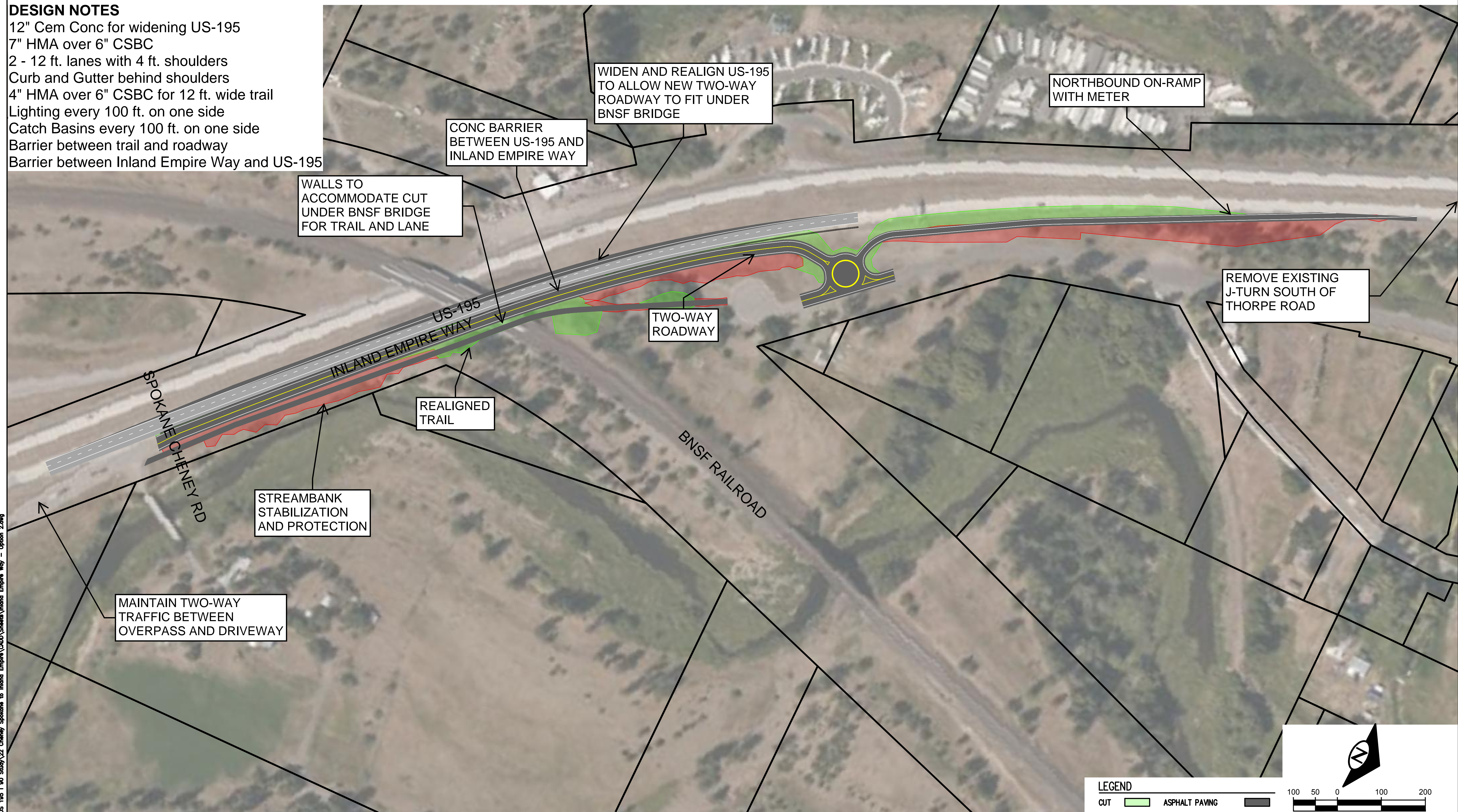
Project #9 Inland Empire Way Connection: Phase 2 (Two-Way Connection)

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.

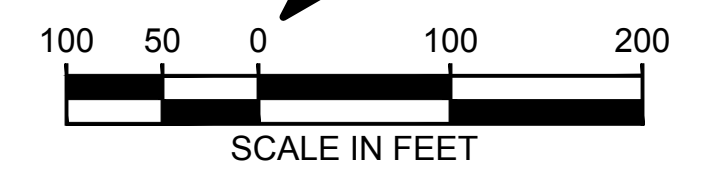
DESIGN NOTES

- 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



LEGEND

CUT	█	ASPHALT PAVING	█
FILL	█	CONCRETE PAVING	█



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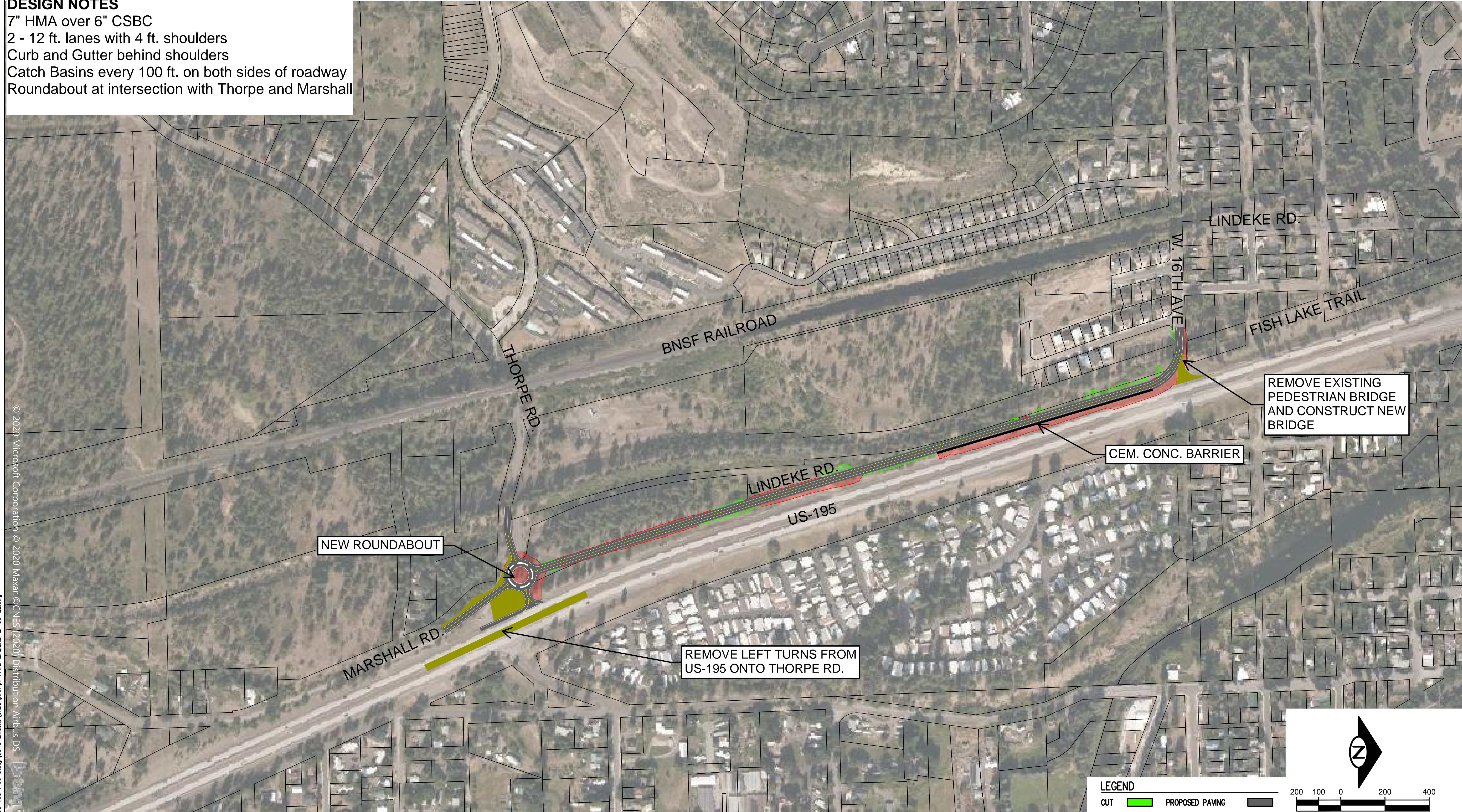
**Planning Level Cost Estimate
Project #9 Lindeke Street Extension**

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.

DESIGN NOTES

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



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LEGEND

- CUT (Green)
- FILL (Red)
- PROPOSED PAVING (Grey)
- PAVEMENT REMOVAL (Yellow)

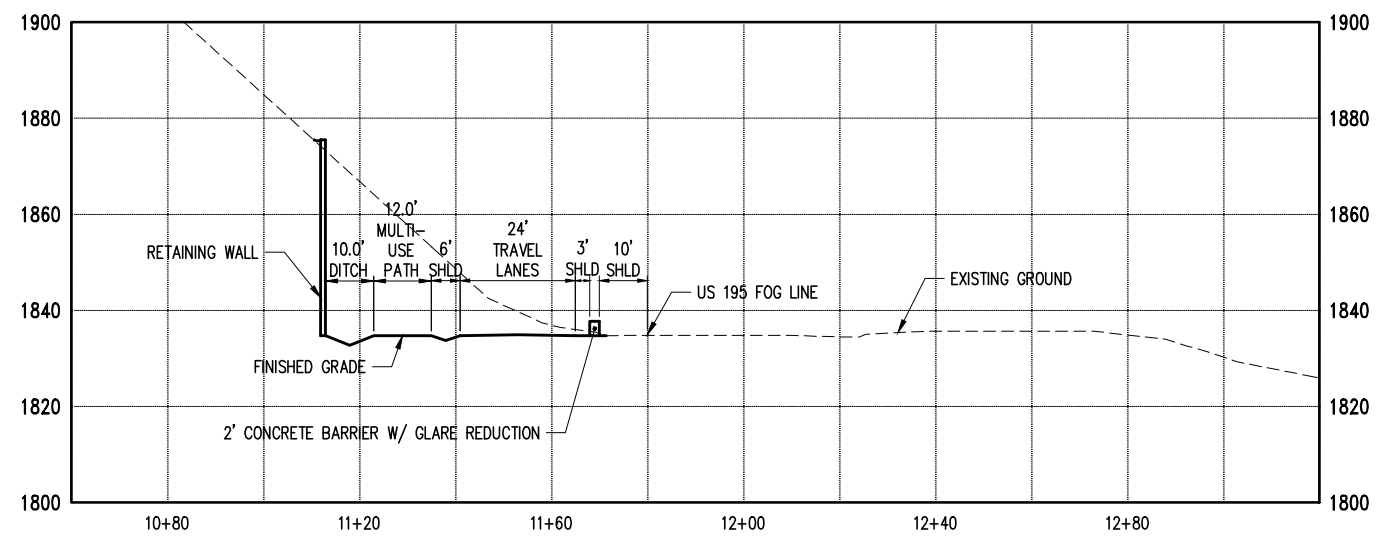
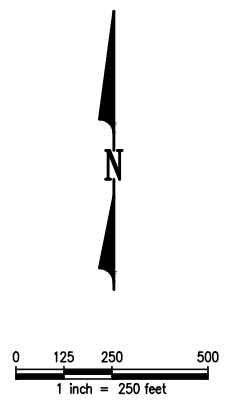
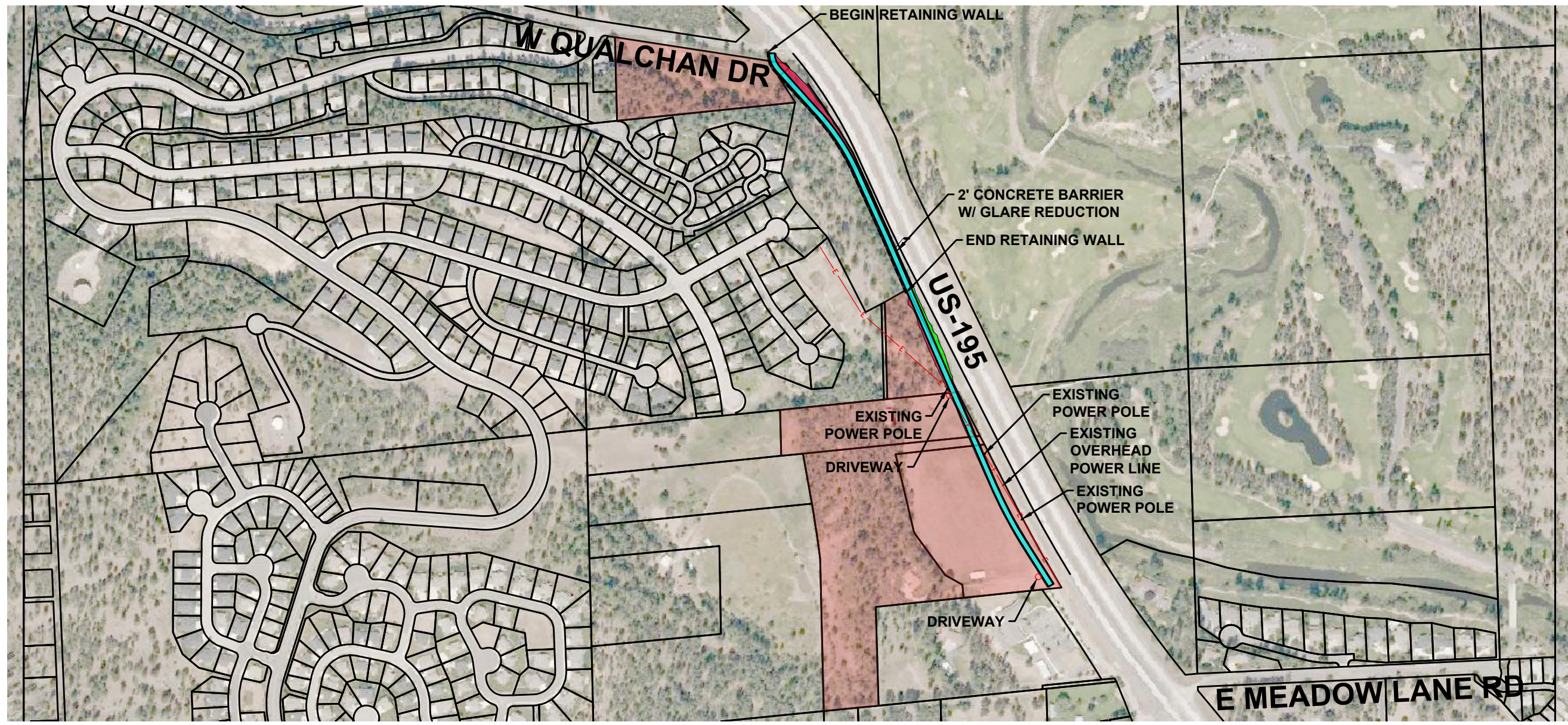


Planning Level Cost Estimate

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

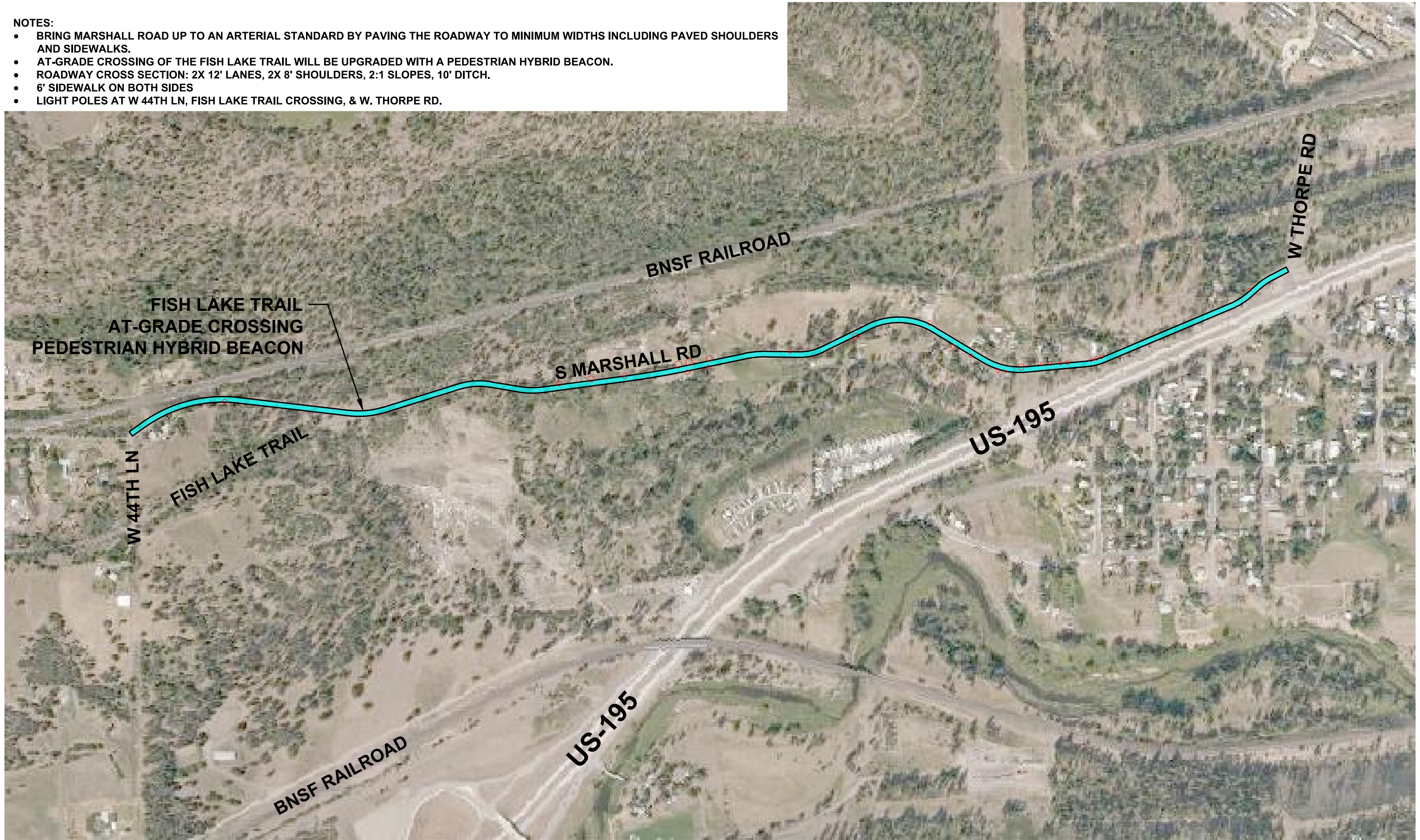
Project #14 Marshall Road Improvements (Thorpe Road to 44th Avenue)

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)

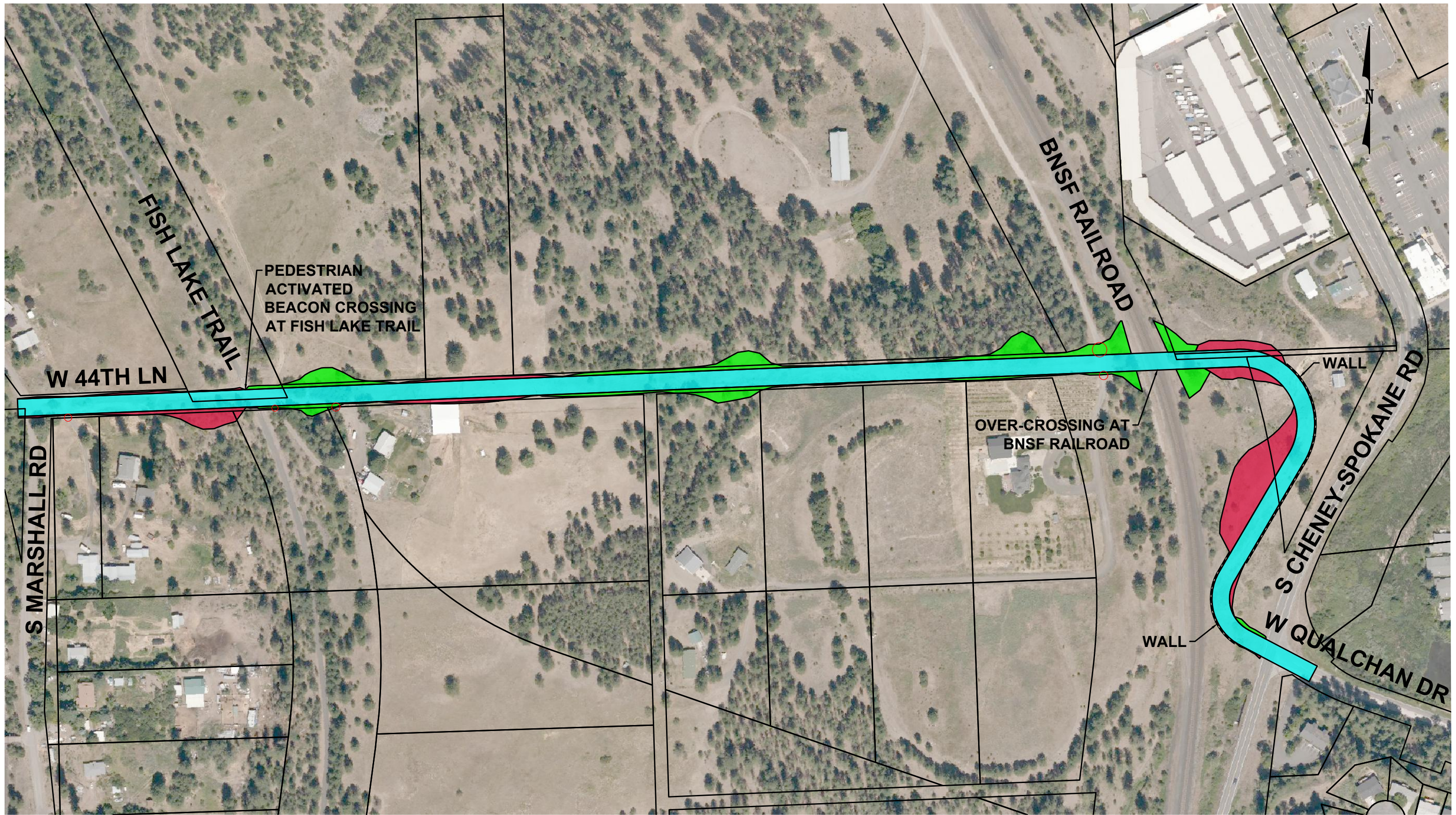


Planning Level Cost Estimate

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

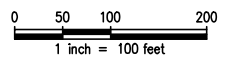
Estimated in 2021 based on current costs.



- 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			

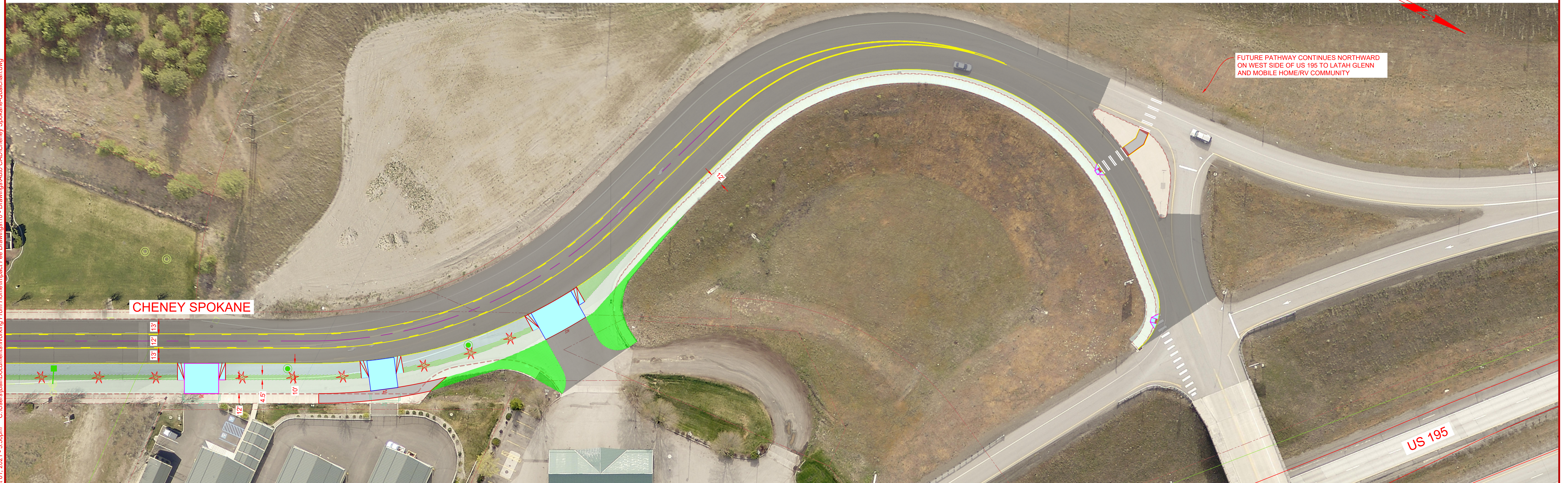
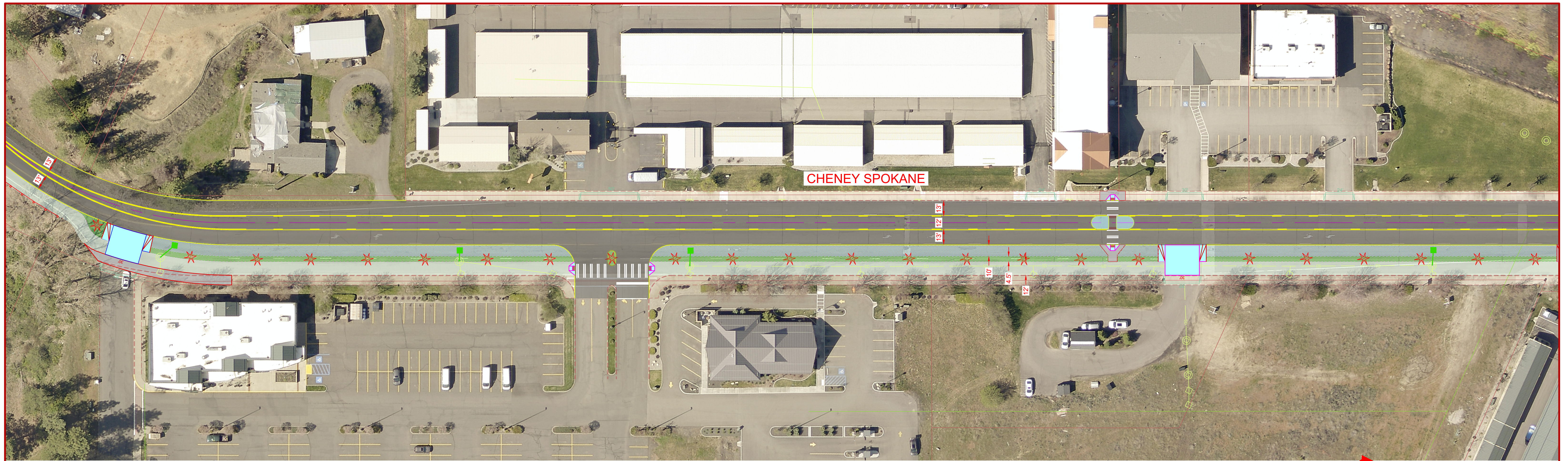


Project #18: Qualchan Drive Extension to Marshall Road

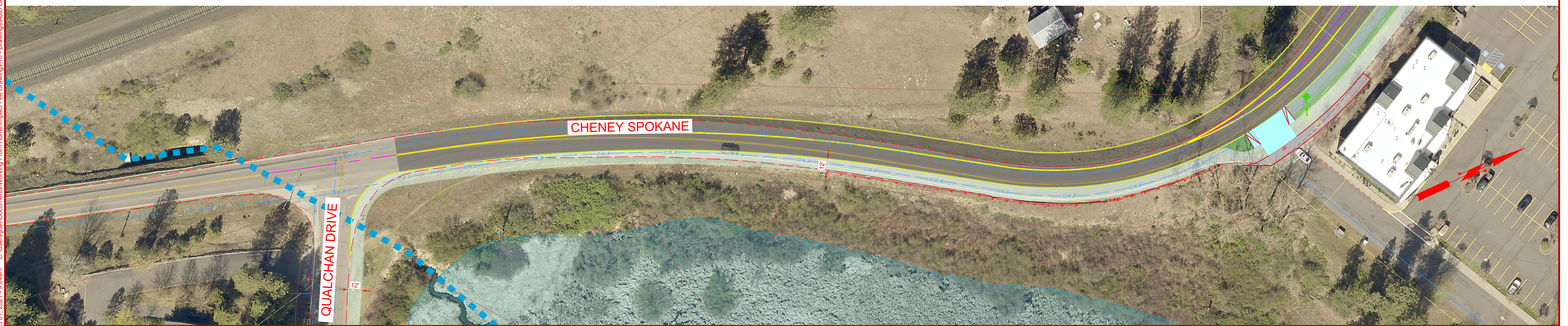
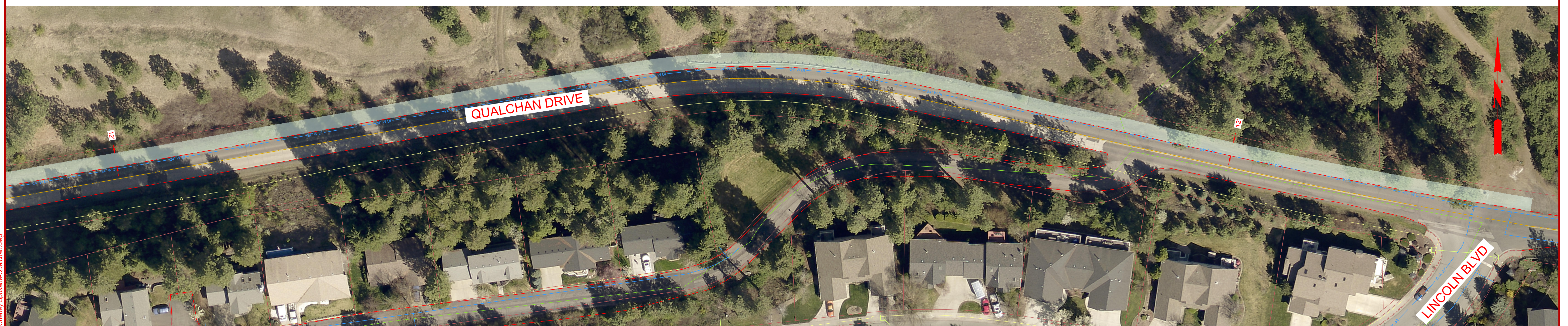
Planning Level Cost Estimate
Project # 25: Meadow Lane to Hatch Road Connection

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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