

# APPENDIX E

**CONCEPTUAL COST ESTIMATE**  
**Denver Vision Zero York/Josephine Corridor Study and Design**  
**City of Denver**

4-Sep-2024

ITEM	CDOT ITEM NO.	ITEM DESCRIPTION	UNIT	Quantity (Segment)				UNIT PRICE	Quantity (Segment)				TOTAL
				A (Y)	A (J)	B	C		A (Y)	A (J)	B	C	
<b>Civil Improvement Items</b>													
1		Roundabout	EA	0	0	0	1	\$3,600,000	\$0	\$0	\$0	\$3,600,000	\$3,600,000
2	608-00000	Concrete Sidewalk	SY	3600	3400	9500	3600	\$130	\$468,000	\$442,000	\$1,235,000	\$468,000	\$2,613,000
3		New Bus Stop	EA	5	0	5	0	\$50,000	\$250,000	\$0	\$250,000	\$0	\$500,000
4		Relocate Existing Bus Stop	EA	1	0	8	0	\$30,000	\$30,000	\$0	\$240,000	\$0	\$270,000
4		Remove Existing Bus Stop	EA	1	4	5	0	\$20,000	\$20,000	\$80,000	\$100,000	\$0	\$200,000
5		Bus Stop Upgrade	EA	1	0	15	0	\$30,000	\$30,000	\$0	\$450,000	\$0	\$480,000
6	608-00026	12' Shared-Use Path	SY	0	0	5,500	0	\$163	\$0	\$0	\$893,750	\$0	\$893,750
7		Curb Extensions (per corner)	EA	4	20	43	0	\$40,000	\$160,000	\$800,000	\$1,720,000	\$0	\$2,680,000
8		40th Ave Grade-Separated Bike/Pedestrian Crossing	LS	1	0	0	0	\$10,000,000	\$10,000,000	\$0	\$0	\$0	\$10,000,000
10		ADA Ramp	EA	14	44	119	0	\$12,000	\$168,000	\$528,000	\$1,428,000	\$0	\$2,124,000
11		Green Infrastructure/Landscaping	SF	10,200	0	73,000	0	\$15	\$153,000	\$0	\$1,095,000	\$0	\$1,248,000
11	609-20004	Curb and Gutter	LF	1,500	1,500	11,800	0	\$75	\$112,500	\$112,500	\$885,000	\$0	\$1,110,000
12		Upgrade Signalized Intersection	LS	5	0	9	0	\$600,000	\$3,000,000	\$0	\$5,400,000	\$0	\$8,400,000
13	627-30405	24-inch White Thermoplastic (Stop bar)	LF	562	139	595	0	\$35	\$19,670	\$4,865	\$20,825	\$0	\$45,360
14	627-30405	18-inch White Thermoplastic (Crosswalks)	LF	1,845	378	2,630	0	\$20	\$36,900	\$7,560	\$52,600	\$0	\$97,060
15	627-00013	4-inch White Paint	LF	4,518	532	4,160	0	\$1	\$4,518	\$532	\$4,160	\$0	\$9,210
16	627-00013	4-inch Yellow Paint	LF	13,464	1,566	21,100	0	\$0.5	\$6,732	\$783	\$10,550	\$0	\$18,065
17	627-30405	Railroad Crossing Symbol - White Thermoplastic	EA	10	2	0	0	\$1,000	\$10,000	\$2,000	\$0	\$0	\$12,000
18	627-30405	Sharrow Symbol - White Thermoplastic	EA	0	6	0	0	\$800	\$0	\$4,800	\$0	\$0	\$4,800
19	627-30405	Bike Lane Symbol - White Thermoplastic	EA	6	0	20	0	\$500	\$3,000	\$0	\$10,000	\$0	\$13,000
20	627-30405	Turn Symbol - White Thermoplastic	EA	37	7	101	0	\$800	\$29,600	\$5,600	\$80,800	\$0	\$116,000
21	627-30405	Bike Lane Painted Pavement - Green	SF	200	0	659	0	\$20	\$4,000	\$0	\$13,180	\$0	\$17,180
22	614-00011	New Traffic Signs	EA	25	105	40	40	\$325	\$8,125	\$34,125	\$13,000	\$13,000	\$68,250
23	403-34751	Mill and Overlay Asphalt Pavement	SY	16,300	11,100	38,300	11,900	\$30.0	\$489,000	\$333,000	\$1,149,000	\$357,000	\$2,328,000
24	604-00305	New Storm Drain Inlet and Connection to Existing Sewer	EA	2	0	21	0	\$10,000	\$20,000	\$0	\$210,000	\$0	\$230,000
<b>SUBTOTAL</b>									<b>\$15,023,045</b>	<b>\$2,355,765</b>	<b>\$15,260,865</b>	<b>\$4,438,000</b>	<b>\$37,077,675</b>
<b>CONSTRUCTION</b>													
25		Contractor Mobilization/Demobilization	%					8%	\$1,201,844	\$188,461	\$1,220,869	\$355,040	\$2,966,214
26		Traffic Control	LS	1	1	1	1	\$50,000.00	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000
27		Construction Administration	%					10%	\$1,502,305	\$235,577	\$1,526,087	\$443,800	\$3,707,768
28		Post Design Services	%					1%	\$150,230	\$23,558	\$152,609	\$44,380	\$370,777
29		Contingencies	%					30%	\$4,506,914	\$706,730	\$4,578,260	\$1,331,400	\$11,123,303
<b>SUBTOTAL</b>									<b>\$7,411,292</b>	<b>\$1,204,325</b>	<b>\$7,527,824</b>	<b>\$2,224,620</b>	<b>\$18,368,061</b>
<b>ESTIMATED PROJECT CONSTRUCTION TOTAL</b>									<b>\$22,434,337</b>	<b>\$3,560,090</b>	<b>\$22,788,689</b>	<b>\$6,662,620</b>	<b>\$55,445,736</b>
<b>ADDITIONAL COSTS</b>													
30		Right-of-Way Acquisition (Unknown as of September 2024)	LS	0	0	1	1	\$1.00	\$0	\$0	\$0	\$0	\$0
<b>Additional Costs Subtotal</b>									<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>DESIGN SERVICES</b>													
31		Design Services	%					15%	\$3,365,151	\$534,013	\$3,418,303	\$999,393	\$8,316,860
32		NEPA/Environmental	%					1%	\$224,343	\$35,601	\$227,887	\$66,626	\$554,457
<b>ESTIMATED PROJECT DESIGN TOTAL</b>									<b>\$3,589,494</b>	<b>\$569,614</b>	<b>\$3,646,190</b>	<b>\$1,066,019</b>	<b>\$8,871,318</b>
<b>TOTAL PROJECT COSTS</b>									<b>\$26,023,831</b>	<b>\$4,129,704</b>	<b>\$26,434,879</b>	<b>\$7,728,639</b>	<b>\$64,317,054</b>