I-5 Trade Corridor - Concept 1

Corridor Section: Columbia River Crossing - 5 lane structure Date: 28-Mar-02

Date of Cost Index: August 2001

				Unit	Quantity	Cost	Total		
I.	RIGH.	T OF WAY	REAL ESTATE					\$52,062,285	
١.	1	1.1	Commercial	SF	735353	\$25	\$18,383,825	ψ32,002,203	
	'	1.2	Residential	SF	10943	\$15	\$164,145		
		1.3	Buildings	LS	1	\$7,000,000	\$7,000,000		
		1.3.1	Business Relocation	LS	1	\$20,000,000	\$20,000,000		
		1.4	Open Lands	SF	355616	\$5.00	\$1,778,080		
		1.5	Railroad R/W	SF	2200	\$1.50	\$3,300		
	2		Subtotal				\$47,329,350		
	3		Engineering & Admin	LS	10%	\$4,732,935	\$4,732,935		
II.	CIVIL	CONSTRU	JCTION	Unit	Quantity	Cost	Total		
	1		elocations					\$20,148,000	
		1.1	Urban Corridor	М	13.3	\$1,500,000.00	\$19,920,000		
		1.2 1.3	Open Lands Lane Addition	M M	1 0	\$200,000.00 \$125,000.00	\$228,000 \$0		
		1.0	Lane Addition	IVI	<u></u>	Ψ123,000.00	ΨΟ		
	2		Embankment					\$4,282,964	
		2.1 2.2	General Embankment General Excavation	CY CY	305,926	\$14.00 \$14.00	\$4,282,964.00		
		2.2	General Excavation	Ci	12,000	\$14.00	\$168,000.00		
	3	Surfacir	ng / Paving					\$17,518,668	
		3.1	New Surfacing - ACP	SY	159,501	\$65.00	\$10,367,565.00		
		3.2	(includes wearing course New Surfacing - PCC	, base cour SY	se, agg base, excav 70,724	to 30" section dep \$92.00	tn) \$6,506,608.00		
		0.2	(includes concrete, agg b			Ψ02.00	ψο,σσο,σσο.σσ		
		3.3	Overlay Surfacing - ACP	SY	99,153	\$6.50	\$644,494.50		
		3.4	(includes surface prep, A Sidewalk - PCC	CP waring SY	course, and leveling	course)			
		J. +	(includes concrete, excav)				
	_	_							
	4		le Development	N A	444	¢4 000 000 00	¢14 420 000 00	\$15,338,000	
			.1 Drainage System .2 Restoration of Wetlands	M AC	14.4 5.4	\$1,000,000.00 \$170,000.00	\$14,420,000.00 \$918,000.00		
					3. .	ψσ,σσσ.σσ	φο . ο,ο σο . σ σ		
	5		Services & Safety		44.4	#250,000,00	Ф2 COE 000 00	\$6,632,330	
		_	.1 Illumination .2 Signage	M M	14.4 14.4	\$250,000.00 \$100,000.00	\$3,605,000.00 \$1,442,000.00		
			(includes signage, suppo	rts, sign bri			ψ1,11 <u>2,000.00</u>		
			.3 Signalized Intersection		5	\$300,000.00	\$1,500,000.00		
		5	.4 Striping	LM	32.2	\$2,650.00	\$85,330.00		
	6	Structur	es					\$450,416,657	
			11 Highway overpass	SF	452,087	\$100.00	\$45,208,700.00		
			02 Overland Bridge 03 Low/Mid level over water	SF SF	775,696 374,506	\$150.00 \$275.00	\$116,354,400.00 \$102,989,150.00		
			04 High level over water	SF	J. 1,000	\$325.00	\$0.00		
			05 Movable lift span	SF	24,000	\$1,670.00	\$40,080,000.00		
			06 Double Deck over water 07 Pedestrian Bridge	SF SF	263,701	\$438.00 \$140.00	\$115,501,038.00 \$0.00		
			08 Bridge Widening	SF	59,449	\$154.00	\$9,155,146.00		
			9 Bridge Demolition	SF	164,194	\$25.73	\$4,224,711.62		
			.1 Cut and Cover Box	LF LF			\$0.00 \$0.00		
			12 Tie-back Retaining Wall	SF		\$90.00	\$0.00		
			3 MSE Retaining Wall	SF		\$29.00	\$0.00		
			4 CIP wall <10' hgt 5 CIP wall 10'-15' hgt	SF SF	103,435 77,599	\$35.00 \$40.00	\$3,620,225.00 \$3,103,960.00		
			16 CIP wall 15'-20' hgt	SF	26,295	\$47.00	\$1,235,865.00		
			17 CIP wall 20'-25' hgt	SF	108,755	\$55.00	\$5,981,525.00		
			18 Soundwalls19 Soundwall Relocation	SF SF	30,982	\$23.00 \$16.00	\$712,586.00 \$0.00		
			.2 Soundwall Demolation	SF	14,934	\$10.00	\$149,340.00		
		6.2	21 Concrete Barrier	LF	38,182	\$55.00	\$2,100,010.00		
	7	Park an	d Ride					\$0	
	•	7	.1 Surface Lot	Space		\$2,500.00	\$0.00	ΨΟ	
			.2 Garage - 0-3 levels	Space		\$9,000.00	\$0.00		
		7	.3 Garage - 4+ levels	Space		\$11,000.00	\$0.00		
	8	Civil Co	nstruction Subtotal (Line	s 1 throug	jh 7)				\$514,336,619
	9	Mobiliza	ition -		•	8%	of Line 8	\$ 41,146,930	
	10		(Lines 8 & 9)					\$	555,483,549
	11 12		ction Contingency	1)		32%	of Line 10	\$ 177,754,736	700 000 00 1
	12	Constru	ction Total (Lines 10 & 1	1)				\$	733,238,284
III.	DESIG	SN ENGIN	EERING & ADMINISTR	RATION (25% of Line 12)			\$ 183,309,571	
				`	,				
IV.	TOTA	L HIGHWA	AY CAPITAL COST (20	and III			\$	968,610,140	
V.	LRT SYSTEM (EXPO TO 5TH ST., VACOUVER)							\$81,690,159	
	1	1 Civil Construction					\$16,300,304.00		
	2		Vehicles (4 LRVs)				\$12,057,834.00		
	3	Operations Facilities Traction Electrification System					\$2,007,656.00 \$3,104,067,00		
	4 5	Signals	Electrification System				\$3,104,967.00 \$2,991,811.00		
	6	-	nications				\$844,353.00		
	7	Fare Co					\$496,002.00		
	8	Right of	way				\$14,779,182.00		
	9		ering & Admin				\$10,931,325.00		
	10	Conting	ency				\$18,176,725.00		
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