I-5 Trade Corridor - Phase II

Corridor Section: Mill Plain to SR500

Typical Cross Section per linear foot

Date:

Surfacing / Paving Surfacing / Paving / Surfacing / S			Unit	Quantity	Cost	Total		
1.1 Commercial SF	PIGHT OF WA	AV/DEAL ESTATE					0.2	
1.2 Residential			OF.	0	¢25	¢0	\$0	
1.3								
1.4								
1.5 Railroad RW SF								
2		•						
CIVIL CONSTRUCTION			SF	0	\$1.50			
CIVIL CONSTRUCTION								
1 Utility Relocations	3	E+A	LS,	10%	\$0	\$0		
1.1	CIVIL CONST	RUCTION	Unit	Quantity	Cost	Total		
1.2							\$300	
Caneral Excavation								
Surfacing / Paving Surfacing - ACP SY					· ·			
Surfacing Paving	1.3	Lane Addition	IVI	0.0	\$125,000.00	\$0		
Surfacing / Paving State	2 Gene	ral Excavation					\$350	
Section Sect	2.1	General Excavation	CY	25	\$14.00	\$350.00		
Section Sect	3 Surfa	cing / Paving					\$780	
Includes wearing course, base course, agg base, excav to 50" section depth)			SY	12	\$65.00	\$780.00	Ψίου	
3.2 New Surfacing - PCC SY								
3.3 Overlay Surfacing - ACP SY	3.2	New Surfacing - PCC	SY	0	\$92.00			
Includes surface prep, ACP waring course, and leveling course) \$0.00	2.2					00.02		
3.4 Sidewalk - PCC SY 0 (includes concrete, excav, agg base) 4. Roadside Development 4.1 Drainage System M 0.0 \$1,000,000.00 \$200.00 4.2 Restoration of Wetlands AC 0.0 \$170,000.00 \$200.00 \$100.00 \$	3.3					\$0.00		
4 Roadside Development 4.1 Drainage System M 0.0 \$1,000,000.00 \$200.00 4.2 Restoration of Wetlands AC 0.0 \$170,000.00 \$200.00 5.7 Traffic Services & Safety 5.1 Illumination M 0.0 \$250,000.00 \$100.00 (includes signage, supports, sign bridges, and pavement markings) 5.2 Signage and Striping M 0.0 \$300,000.00 \$40.00 (includes signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection EA 0 \$300,000.00 \$0.00 5.4 Illumination LM 0.0 \$2,650.00 \$5.30 Structures 6.01 Highway overpass SF 0 \$100.00 \$0.00 6.02 Overland Bridge SF 0 \$150.00 \$0.00 6.03 Low/Mild level over water SF 0 \$325.00 \$0.00 6.04 High level over water SF 0 \$325.00 \$0.00 6.05 Movable lift span SF 0 \$1,670.00 \$0.00 6.06 Bouble Deck over water SF 0 \$438.00 \$0.00 6.08 Bridge Widening SF 0 \$154.00 \$0.00 6.09 Bridge Demolition SF 0 \$154.00 \$0.00 6.09 Bridge Demolition SF 0 \$25.73 \$0.00 6.11 Tunnel LF 0 \$44,900.00 \$0.00 6.12 Tile-back Retaining Wall SF 0 \$29.00 \$0.00 6.13 MSE Retaining Wall SF 0 \$29.00 \$0.00 6.16 CIP wall 16*10* If yield SF 0 \$385.00 \$0.00 6.16 CIP wall 16*10* If yield SF 0 \$350.00 \$0.00 6.17 CIP wall 20*25 hgt SF 0 \$350.00 \$0.00 6.18 Soundwall Relocation SF 0 \$350.00 \$0.00 6.19 Soundwall Relocation SF 0 \$350.00 \$0.00 6.19 Soundwall Relocation SF 0 \$350.00 \$0.00 6.17 CIP wall 20*25 hgt SF 0 \$50.00 \$0.00 6.19 Soundwall Relocation SF 0 \$10.00 \$0.00 6.19 Soundwall Demolation SF 0 \$10.00 \$0.00 6.19 Civil Construction Subtotal (Lines 1 through 7) Mobilization - 8% of Line 8 \$ 233 0 Subtotal (Lines 8 & 9) 1 Construction Contingency 32% of Line 10 \$ 1,006 EXESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)	3.4					\$0.00		
4.1 Drainage System M 0.0 \$1,000,000.00 \$200.00 4.2 Restoration of Wetlands AC 0.0 \$170,000.00 \$0.00 5.2 Signage and Striping M 0.0 \$250,000.00 \$40.00 5.2 Signage and Striping M 0.0 \$250,000.00 \$40.00 6.2 Signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection EA 0 \$300,000.00 \$0.00 5.4 Illumination LM 0.0 \$2,650.00 \$5.30 5.3 Structures S 5F 0 \$100.00 \$0.00 6.02 Overland Bridge SF 0 \$150.00 \$0.00 6.02 Overland Bridge SF 0 \$150.00 \$0.00 6.03 LowMhid level over water SF 0 \$275.00 \$0.00 6.04 High level over water SF 0 \$325.00 \$0.00 6.05 Movable lift span SF 0 \$143.00 \$0.00 6.06 Duble Deck over water SF 0 \$438.00 \$0.00 6.08 Bridge Widening SF 0 \$144.00 \$0.00 6.08 Bridge Demolition SF 0 \$257.00 \$0.00 6.11 Tunnel LF 0 \$44,900.00 \$0.00 6.12 Tire-back Retaining Wall SF 0 \$29.00 \$0.00 6.13 MSE Retaining Wall SF 0 \$29.00 \$0.00 6.16 CIP wall 101-15 hgt SF 27 \$40.00 \$0.00 6.16 CIP wall 101-15 hgt SF 0 \$355.00 \$0.00 6.16 CIP wall 101-15 hgt SF 0 \$355.00 \$0.00 6.17 CIP wall 101-15 hgt SF 0 \$355.00 \$0.00 6.18 Soundwall Relocation SF 0 \$355.00 \$0.00 6.19 Soundwall Bendeation SF 0 \$355.00 \$0.00 6.19 Soundwall Demolation SF 0 \$355.00 \$0.00 6.19 Soundwall Demolation SF 0 \$355.00 \$0.00 6.19 Soundwall Demolation SF 0 \$355.00 \$0.00 6.19 Soundwall Sep 0 \$350.00 \$0.00 6.19 Soundwall Demolation SF 0 \$350.00 \$0.00 6.2 Construction Subtotal (Lines 1 through 7) Mobilization - \$800.00 \$11.00.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11.00.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11.00.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11.00.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11.00.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11.00.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11.00.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11.00.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11.00.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$10.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$10.00 \$0.00 7.3 Garage - 4+ levels		(includes concrete, excav	/, agg base	e)				
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6.14 CIP wall <10' hgt SF 0 \$35.00 \$0.00 6.15 CIP wall 10'-15' hgt SF 27 \$40.00 \$1,080.00 6.15 CIP wall 10'-15' hgt SF 0 \$47.00 \$0.00 6.16 CIP wall 15'-20' hgt SF 0 \$47.00 \$0.00 6.16 CIP wall 15'-20' hgt SF 0 \$47.00 \$0.00 6.16 CIP wall 20'-25' hgt SF 0 \$55.00 \$0.00 6.18 Soundwalls SF 0 \$22.00 \$0.00 6.19 Soundwall Relocation SF 0 \$16.00 \$0.00 6.29 Soundwall Demolation SF 0 \$10.00 \$0.00 6.21 Concrete Barrier LF 1 \$55.00 \$55.00 \$0.00 6.21 Concrete Barrier LF 1 \$55.00 \$55.00 \$0.00 7.2 Garage -0-3 levels Space 0 \$2,500.00 \$0.00 7.3 Garage -4+ levels Space 0 \$11,000.00 \$0.00 7.3 Garage -4+ levels Space 0 \$11,000.00 \$								
6.15 CIP wall 10'-15' hgt SF 27 \$40.00 \$1,080.00 6.16 CIP wall 15'-20' hgt SF 0 \$47.00 \$0.00 6.17 CIP wall 20'-25' hgt SF 0 \$55.00 \$0.00 6.18 Soundwalls SF 0 \$23.00 \$0.00 6.18 Soundwall Relocation SF 0 \$16.00 \$0.00 6.2 Soundwall Demolation SF 0 \$10.00 \$0.00 6.2 Soundwall Demolation SF 0 \$10.00 \$0.00 6.21 Concrete Barrier LF 1 \$55.00 \$55.00 Park and Ride \$\text{Space} 0 \$								
6.16 CIP wall 15'-20' hgt SF 0 \$47.00 \$0.00 6.17 CIP wall 20'-25' hgt SF 0 \$55.00 \$0.00 6.18 Soundwalls SF 0 \$23.00 \$0.00 6.18 Soundwall Relocation SF 0 \$16.00 \$0.00 6.2 Soundwall Demolation SF 0 \$10.00 \$0.00 6.2 Concrete Barrier LF 1 \$55.00 \$55.00 \$0.00 6.21 Concrete Barrier LF 1 \$55.00 \$55.00 \$0.00 7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00								
6.17 CIP wall 20'-25' hgt SF 0 \$55.00 \$0.00 6.18 Soundwalls SF 0 \$23.00 \$0.00 6.19 Soundwall Relocation SF 0 \$16.00 \$0.00 6.2 Soundwall Demolation SF 0 \$10.00 \$0.00 6.2 Concrete Barrier LF 1 \$55.00 \$55.00 \$55.00 \$7 Park and Ride \$0 \$7.1 Surface Lot \$pace 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels \$pace 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels \$pace 0 \$11,000.00 \$0.								
6.18 Soundwalls SF 0 \$23.00 \$0.00 6.19 Soundwall Relocation SF 0 \$16.00 \$0.00 6.2 Soundwall Demolation SF 0 \$10.00 \$0.00 6.21 Concrete Barrier LF 1 \$55.00 \$55.00 Park and Ride \$\$ \$0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00								
6.19 Soundwall Relocation SF 0 \$16.00 \$0.00 6.2 Soundwall Demolation SF 0 \$10.00 \$0.00 6.21 Concrete Barrier LF 1 \$55.00 \$55.00 Park and Ride \$\$ \$0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.								
6.2 Soundwall Demolation SF 0 \$10.00 \$0.00 6.21 Concrete Barrier LF 1 \$55.00 \$55.00 Park and Ride \$0 \$0 \$2,500.00 \$0.00 7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$								
Park and Ride 7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 Civil Construction Subtotal (Lines 1 through 7) Mobilization - 8% of Line 8 \$ 233 Subtotal (Lines 8 & 9) Construction Contingency 32% of Line 10 \$ 1,006 Construction Total (Lines 10 & 11) DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$ 1,037								
7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 8. Civil Construction Subtotal (Lines 1 through 7) \$2,000.00 \$0.00 8. Mobilization - 8% of Line 8 \$233 \$0.00 9. Subtotal (Lines 8 & 9) \$3,000.00 9. Construction Contingency \$32% of Line 10 \$1,006 \$0.00 9. Construction Total (Lines 10 & 11) \$1,006 \$0.00 9. Subtotal (Lines 8 & 9) \$1,006 \$0.00 9. Subtotal	•	6.21 Concrete Barrier	LF	1	\$55.00	\$55.00		
7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 8. Civil Construction Subtotal (Lines 1 through 7) \$2,000.00 \$0.00 8. Mobilization - 8% of Line 8 \$233 \$0.00 9. Subtotal (Lines 8 & 9) \$3,000.00 9. Construction Contingency \$32% of Line 10 \$1,006 \$0.00 9. Construction Total (Lines 10 & 11) \$1,006 \$0.00 9. Subtotal (Lines 8 & 9) \$1,006 \$0.00 9. Subtotal	7 Park a	nd Ride					\$0	
7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 Civil Construction Subtotal (Lines 1 through 7) \$2,0 Mobilization - 8% of Line 8 \$ 233		7.1 Surface Lot	Space	0				
Civil Construction Subtotal (Lines 1 through 7) \$2,				0				
Mobilization - 8% of Line 8 \$ 233 \$ 3,00 \$ 3,006 \$ 1,006 \$ 4,005 \$ 1,007 \$		7.3 Garage - 4+ levels	Space	0	\$11,000.00	\$0.00		
Mobilization - 8% of Line 8 \$ 233 \$ 3,00 \$ 3,006 \$ 1,006 \$ 4,005 \$ 1,007 \$	3 Civil C	onstruction Subtotal (Line	s 1 throug	h 7)				\$2.0
0 Subtotal (Lines 8 & 9) \$ 3,006 1 Construction Contingency 32% of Line 10 \$ 1,006 2 Construction Total (Lines 10 & 11) \$ 4,005 DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$ 1,037			s i unoug	11 7)	8% of	Line 8	\$ 233	\$2,
1 Construction Contingency 32% of Line 10 \$ 1,006 2 Construction Total (Lines 10 & 11) \$ 4, DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$ 1,037					0 /0 01			3,
2 Construction Total (Lines 10 & 11) \$ 4, DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$ 1,037					32% of	Line 10		, ,,
DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$ 1,037			1)		02/0 01			4,1
		,						
	DESIGN ENGI	NEERING & ADMINISTR	ATION (2	25% of Line	9 12)	_	\$ 1,037	
OTAL CAPITAL COST (2001 \$) Lines I, 12 and III Per lineal foot \$ 5,	FOTAL CASIT	1 COOT (0004 ft)						5,1

I-5 Trade Corridor - Phase II

Corridor Section: Mill Plain to SR500 Double Deckl Cross Section per linear foot

Date:

			Unit	Quantity	Cost	Tota	al	
RIGHT	OF WAY/	REAL ESTATE					\$0	
1	1.1	Commercial	SF	0	\$25	\$0		
	1.2	Residential	SF	0	\$15	\$0		
		7 (3 46 36 3 (46 36 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		_				
	1.3	House Displacements	EA	0	\$240,000	\$0		
	1.4	Open Lands	SF	0	\$5.00	\$0		
	1.5	Railroad R/W	SF	0	\$1.50	\$0		
2		Subtotal				\$0		
3		E+A	LS	10%	\$0	\$0		
CIVIL (CONSTRU	CTION	Unit	Quantity	Cost	Tota	l .	
1	Utility Re	locations					\$300	
	1.1	Urban Corridor	M	0.0	\$1,500,000.00	\$300		
	1.2	Open Lands	M	0.0	\$200,000.00	\$0		
	1.3	Lane Addition	M	0.0	\$125,000.00	\$0		
		_ 11						
2		Excavation	r				\$1,512	
	2.1	General Excavation	CY	108	\$14.00	\$1,512.00		
	0 ()	15	1					
3	Surfacing		614	0.5	00=00	04.00=.00	\$1,625	
	3.1	New Surfacing - ACP	SY	25	\$65.00	\$1,625.00		
	2.0	(includes wearing course,						
	3.2	New Surfacing - PCC	SY	to 2 section	\$92.00	\$0.00		
	3.3	(includes concrete, agg b	ase, excav	to? section (s6.50	\$0.00		
	0.0	Overlay Surfacing - ACP (includes surface prep, A				φυ.υ0		
	3.4	Sidewalk - PCC	SY SY	ourse, and i	evening course)	\$0.00		
	0.4	(includes concrete, excav				Ψ0.00		
		(molados conorete, excav	, agg nase)					
4	Roadside	Development					\$200	
7		Drainage System	M	0.0	\$1,000,000.00	\$200.00	\$200	
		Restoration of Wetlands	AC	0.0	\$170,000.00	\$0.00		
		Trodiction of Trodiction		0.0	41.0,000.00	40.00		
5	Traffic Se	ervices & Safety					\$145	
		Illumination	M	0.0	\$250,000.00	\$100.00		
	5.2	Signage and Striping	M	0.0	\$100,000.00	\$40.00		
		(includes signage, suppor	ts, sign brid	ges, and pay	vement markings)			
		Signalized Intersection	EA	0	\$300,000.00	\$0.00		
	5.4	Illumination	LM	0.0	\$2,650.00	\$5.30		
•								
6	Structure		0.5		A 400.00	40.00	\$18,910	
		Highway overpass	SF	0	\$100.00	\$0.00		
		Overland Bridge Low/Mid level over water	SF	107	\$150.00	\$16,050.00		
		High level over water	SF SF	0	\$275.00 \$325.00	\$0.00 \$0.00		
		Movable lift span	SF	0	\$1,670.00	\$0.00		
		Double Deck over water	SF	0	\$438.00	\$0.00		
		Pedestrian Bridge	SF	0	\$140.00	\$0.00		
		Bridge Widening	SF	0	\$154.00	\$0.00		
		Bridge Demolition	SF	0	\$25.73	\$0.00		
		Cut and Cover Box	LF	0		\$0.00		
		Tunnel	LF	0	\$44,900.00	\$0.00		
		Tie-back Retaining Wall	SF	0	\$90.00	\$0.00		
		MSE Retaining Wall	SF	0	\$29.00	\$0.00		
		CIP wall <10' hgt	SF	0	\$35.00	\$0.00		
	6.15	CIP wall 10'-15' hgt	SF	0	\$40.00	\$0.00		
	6.16	CIP wall 15'-20' hgt	SF	0	\$47.00	\$0.00		
		CIP wall 20'-25' hgt	SF	50	\$55.00	\$2,750.00		
		Soundwalls	SF	0	\$23.00	\$0.00		
		Soundwall Relocation	SF	0	\$16.00	\$0.00		
		Soundwall Demolation	SF	0	\$10.00	\$0.00		
	6.21	Concrete Barrier	LF	2	\$55.00	\$110.00		
7	Dark and	Pido					60	
7	Park and		Snoon	0	\$2 500 00	\$0.00	\$0	
		Surface Lot Garage - 0-3 levels	Space Space	0	\$2,500.00 \$9,000.00	\$0.00		
		Garage - 4+ levels	Space	0	\$11,000.00	\$0.00		
	1.3	Jarago - Tr 10V013	opace	U	Ψ11,000.00	Ψ0.00		
8	Civil Cons	truction Subtotal (Lines	s 1 through	7)				\$22,6
9	Mobilizatio	,	, unough	, , ,	8% of	line 8	\$ 1,815	ΨΖΖ,0
9A	Additional				10% of	Line 8		
10		(Lines 8 & 9 & 9A)				11 10	¢ 0.500	26,7
11		on Contingency	4)		32% of	Line 10	\$ 8,568	
7.)	Constructi	on Total (Lines 10 & 1	1)				\$	35,3
12								
		DINIC 2 151	ATION	-0/	10)			
DESIGN		ERING & ADMINISTRA COST (2001 \$)	ATION (25	5% of Line	12)		\$ 8,836	

I-5 Trade Corridor - Phase II

Corridor Section: 10-Lane Br. (Victory to Mill Plain)

Option 7

Date:

10-Sep-01 Date of Cost Index: August 2001

Unit Quantity Cost Total 1. RIGHT OF WAY/REAL ESTATE \$13,699,070 Commercial SF 224,709 \$25 \$5,617,725 1.1 1.2 Residential SF 0 \$15 \$0 House Displacements LS 1 \$6,000,000 \$6,000,000 1.3 Open Lands SF 167,195 \$835,975 \$5.00 1.4 Railroad R/W 1.5 SF 0 \$1.50 \$0 2 Subtotal \$12,453,700 3 \$1,245,370 \$1,245,370 Engineering & Admin LS 10% 11. CIVIL CONSTRUCTION Quantity Unit Cost Total **Utility Relocations** \$15,750,000 \$1,500,000.00 \$15,750,000 Urban Corridor M 10.5 1.1 \$200,000.00 Open Lands M 0.0 1.2 \$0 Lane Addition M 0.0 \$125,000.00 1.3 \$0 2 General Excavation \$5,383,840 384,560 General Excavation \$14.00 \$5,383,840.00 3 Surfacing / Paving \$11,811,930 3.1 New Surfacing - ACP SY 181,722 \$65.00 \$11,811,930.00 (includes wearing course, base course, agg base, excav to 30" section depth) New Surfacing - PCC 3.2 SY \$92.00 \$0.00 (includes concrete, agg base, excav to ? section depth) 3.3 Overlay Surfacing - ACP SY \$6.50 0 \$0.00 (includes surface prep, ACP waring course, and leveling course) 3.4 Sidewalk - PCC SY 0 \$0.00 (includes concrete, excav, agg base) Roadside Development \$10,500,000 4.1 Drainage System M 10.5 \$1,000,000.00 \$10,500,000.00 4.2 Restoration of Wetlands AC 0.0 \$170,000.00 \$0.00 5 Traffic Services & Safety \$4,967,750 5.1 Illumination M 10.5 \$250,000.00 \$2,625,000.00 5.2 Signage 10.5 M \$100,000.00 \$1,050,000.00 (includes signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection EA \$300,000.00 \$1,200,000.00 5.4 Stripping LM 35.0 \$2,650.00 \$92,750.00 6 Structures \$587,062,086 6.01 Highway overpass SF 42804 \$100.00 \$4,280,400.00 6.02 Overland Bridge SF 662256 \$150.00 \$99,338,400.00 417996 6.03 Low/Mid level over water SF \$275.00 \$114,948,900.00 6.04 High level over water SF 0 \$325.00 \$0.00 6.05 Movable lift span SF 0 \$1,670.00 \$0.00 6.06 Double Deck over water SF 788508 \$438.00 \$345,366,504.00 6.07 Pedestrian Bridge SF 0 \$140.00 6.08 Bridge Widening SF 0 \$154.00 \$0.00 6.09 Bridge Demolition SF 585,325 \$25.73 \$15,060,412.25 6.1 Cut and Cover Box LF 0 \$0.00 6.11 Tunnel LF 0 \$0.00 6.12 Tie-back Retaining Wall SF 0 \$90.00 \$0.00 6.13 MSE Retaining Wall SF 0 \$29.00 \$0.00 6.14 CIP wall <10' hgt SF 17,270 \$35.00 \$604,450.00 6.15 CIP wall 10'-15' hgt SF 23,200 \$40.00 \$928,000.00 6.16 CIP wall 15'-20' hgt SF 37,410 \$47.00 \$1,758,270.00 6.17 CIP wall 20'-25' hgt SF 76,180 \$55.00 \$4,189,900.00 6.18 Soundwalls SF 0 \$23.00 \$0.00 6.19 Soundwall Relocation SF 0 \$16.00 \$0.00 6.2 Soundwall Demolation SF 0 \$10.00 \$0.00 6.21 Concrete Barrier LF 10,670 \$55.00 \$586,850.00 Park and Ride \$0 7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 \$11,000.00 7.3 Garage - 4+ levels Space \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) \$635,475,606 Mobilization 8% of Line 8 50,838,048 10 Subtotal (Lines 8 & 9) 686,313,654 Construction Contingency 11 32% of Line 10 \$ 219,620,369 12 Construction Total (Lines 10 & 11) 905,934,024 111. DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$ 226,483,506 IV. TOTAL HIGHWAY COST (2001 \$) Lines I, 12 and III \$ 1,146,116,600 ٧. LRT SYSTEM (EXPO TO 5TH ST., VACOUVER) \$69,354,524 Civil Construction \$16,300,304.00 2 Transit Vehicles (4 LRVs) \$12,057,834.00 Operations Facilities 3 \$2,007,656.00 Traction Electrification System 4 \$3,104,967.00 5 Signals \$2,991,811.00 Communications 6 \$844,353.00 7 Fare Collection \$496,002.00 8 Right of way \$14,779,182.00 9 Engineering & Admin \$8,738,437.00 10 Contingency \$8,033,978.00

\$ 41,041,154

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II Corridor Section: Option 1D

IV.

TOTAL CAPITAL COST (2001 \$)

Lines I, 12 and III

Date:

10-Sep-01 Date of Cost Index: August 2001

Unit Quantity Cost Total RIGHT OF WAY/REAL ESTATE 1. \$2,145,000 Commercial SF \$1,200,000 1 1.1 48,000 \$25 1.2 Residential SF \$30,000 2,000 \$15 House Displacements EA \$240,000 \$720,000 1.3 3 1.4 Open Lands SF \$5.00 \$0 \$1.50 Railroad R/W 1.5 SF \$0 2 \$1,950,000 Subtotal 3 \$195,000 Engineering & Admin LS 10% \$195,000 11. CIVIL CONSTRUCTION Unit Quantity Cost Total **Utility Relocations** \$158,750 Urban Corridor \$1,500,000.00 \$0 1.1 M \$200,000.00 1.2 Open Lands \$0 M 1.3 Lane Addition 1.27 \$125,000.00 \$158,750 M 2 General Excavation \$546,000 General Excavation 39,000 2.1 CY \$14.00 \$546,000.00 3 Surfacing / Paving \$2,532,804 3.1 New Surfacing - ACP SY 13,778 \$65.00 \$895,570.00 (includes wearing course, base course, agg base, excav to 30" section depth) 3.2 New Surfacing - PCC SY 14,444 \$92.00 \$1,328,848.00 (includes concrete, agg base, excav to ? section depth) 3.3 Overlay Surfacing - ACP 47,444 \$6.50 \$308,386.00 SY (includes surface prep, ACP waring course, and leveling course) \$40.00 \$0.00 3.4 Sidewalk - PCC SY (includes concrete, excav, agg base) \$1,270,000 4 Roadside Development 4.1 Drainage System 1.27 \$1,000,000.00 \$1,270,000.00 4.2 Restoration of Wetlands AC \$170,000.00 \$0.00 5 Traffic Services & Safety \$464,693 5.1 Illumination M 1.27 \$250,000.00 \$317,500.00 5.2 Signage M 1.27 \$100,000.00 \$127,000.00 (includes signage, supports, sign bridges) 5.3 Signalized Intersection EA \$300,000.00 \$0.00 5.4 Stripping LM 7.62 \$2,650.00 \$20,193.00 6 Structures \$16,855,000 6.01 Highway overpass 25,500 SF \$100.00 \$2,550,000.00 6.02 Overland Bridge SF \$150.00 \$0.00 6.03 Low/Mid level over water SF \$275.00 \$0.00 6.04 High level over water SF \$325.00 \$0.00 6.05 Movable lift span SF \$1,670.00 \$0.00 \$0.00 6.06 Double Deck over water SF \$438.00 6.07 Pedestrian Bridge SF \$140.00 \$0.00 70,000 \$154.00 \$10,780,000.00 6.08 Bridge Widening SF 6.09 Bridge Demolition SF \$25.73 \$0.00 6.1 Cut and Cover Box LF \$0.00 6.11 Tunnel LF \$0.00 6.12 Tie-back Retaining Wall \$0.00 SF \$90.00 6.13 MSE Retaining Wall SF \$29.00 \$0.00 6.14 CIP wall <10' hgt SF 5,500 \$35.00 \$192,500.00 6.15 CIP wall 10'-15' hgt \$220,000.00 SF 5,500 \$40.00 6.16 CIP wall 15'-20' hgt SF \$47.00 \$0.00 7,500 6.17 CIP wall 20'-25' hgt SF \$55.00 \$412,500.00 6.18 Soundwalls SF 60,000 \$23.00 \$1,380,000.00 SF \$16.00 \$0.00 6.19 Soundwall Relocation \$10.00 6.2 Soundwall Demolation \$0.00 SF \$55.00 6.21 Concrete Barrier 24,000 \$1,320,000.00 LF 7 Park and Ride \$0 \$0.00 7.1 Surface Lot Space 7.2 Garage - 0-3 levels Space \$0.00 7.3 Garage - 4+ levels \$0.00 Space 8 Civil Construction Subtotal (Lines 1 through 7) \$21,827,247 9 Mobilization -8% of Line 8 \$ 1,746,180 10 Subtotal (Lines 8 & 9) \$ 23,573,427 Construction Contingency 11 32% of Line 10 7,543,497 \$ 31,116,923 12 Construction Total (Lines 10 & 11) 111. DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$ 7,779,231

I-5 Trade Corridor - Phase II

Corridor Section: Option 1D Suboption A

Date:

10-Sep-01

			Unit	Quantity	Cost	Total	
RIC	GHT OF \	WAY/REAL ESTATE					\$2,145,00
1	1.1	Commercial	SF	48,000.00	\$25	\$1,200,000	,,,
	1.2	Residential	SF	2,000.00	\$15	\$30,000	
	1.3	House Displacements	EA	3.00	\$240,000	\$720,000	
	1.4	Open Lands	SF		\$5.00	\$0	
	1.5	Railroad R/W	SF		\$1.50	\$0	
2		Subtotal				\$1,950,000	
3		Engineering & Admin	LS	10%	\$195,000	\$195,000	
CI\	/IL CONS	STRUCTION	Unit	Quantity	Cost	Total	
1		elocations					\$158,75
	1.1	Urban Corridor	М	-	#############	\$0	
	1.2	Open Lands	M	-	\$200,000.00	\$0	
	1.3	Lane Addition	M	1.27	\$125,000.00	\$158,750	
2	Genera	Excavation					\$546,00
	2.1	General Excavation	CY	39,000.00	\$14.00	\$546,000.00	
3	Surfacir	ng / Paving					\$3,865,30
-	3.1	New Surfacing - ACP	SY	34,278.00	\$65.00	\$2,228,070.00	, = , = 0 0 , 0 0
		(includes wearing course, b					
	3.2	New Surfacing - PCC	SY	14,444.00	\$92.00	\$1,328,848.00	
	5.2	(includes concrete, agg bas				\$1,320,040.00	
	3.3	Overlay Surfacing - ACP	SY SY	47,444.00	\$6.50	\$308,386.00	
	3.3	(includes surface prep, ACF	_			\$300,300.00	
	3.4	Sidewalk - PCC	SY		\$40.00	\$0.00	
	0.1	(includes concrete, excav, a			Ψ-10.00	ψ0.00	
4	Poadsid	e Development					¢4 270 00
7		1 Drainage System	M	1.27	\$1,000,000.00	\$1,270,000.00	\$1,270,00
	4.	2 Restoration of Wetlands	AC		\$170,000.00	\$0.00	
5	Traffic S	ervices & Safety					\$1,664,69
		1 Illumination	M	1.27	\$250,000.00	\$317,500.00	φ1,004,03
		2 Signage	M	1.27	\$100,000.00	\$127,000.00	
		(includes signage, supports			\$100,000.00	Ψ121,000.00	
	5.	3 Signalized Intersection	EA	4.00	\$300,000.00	\$1,200,000.00	
		4 Stripping	LM	7.62	\$2,650.00	\$20,193.00	
6	Structure	ne.					ΦE2 240 00
O		1 Highway overpass	SF	43,500.00	\$100.00	\$4,350,000.00	\$53,349,00
		2 Overland Bridge	SF		\$150.00	\$0.00	
	6.0	3 Low/Mid level over wate	SF	106,200.00	\$275.00	\$29,205,000.00	
	6.0	4 High level over water	SF		\$325.00	\$0.00	
		-	SF		\$1,670.00	\$0.00	
	6.0	5 Movable lift span	Ol				
		5 Movable lift span 6 Double Deck over water			\$438.00	\$0.00	
	6.0	6 Double Deck over water	SF		\$438.00 \$140.00	\$0.00 \$0.00	
	6.0	6 Double Deck over water 7 Pedestrian Bridge	SF SF	83,500	\$140.00	\$0.00	
	6.00 6.00	Double Deck over water Pedestrian Bridge Bridge Widening	SF SF SF	83,500	\$140.00 \$154.00	\$0.00 \$12,859,000.00	
	6.00 6.00 6.00	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition	SF SF SF	83,500	\$140.00	\$0.00 \$12,859,000.00 \$0.00	
	6.00 6.00 6.00 6.00	Double Deck over water Pedestrian Bridge Bridge Widening	SF SF SF LF	83,500	\$140.00 \$154.00	\$0.00 \$12,859,000.00 \$0.00	
	6.00 6.00 6.00 6.00 6.1	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition Cut and Cover Box	SF SF SF	83,500 19,000.00	\$140.00 \$154.00	\$0.00 \$12,859,000.00 \$0.00 \$0.00	
	6.00 6.00 6.00 6.00 6.1 6.1	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition Cut and Cover Box Tunnel	SF SF SF LF LF		\$140.00 \$154.00 \$25.73	\$0.00 \$12,859,000.00 \$0.00	
	6.00 6.00 6.00 6.00 6.1 6.12 6.13	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition Cut and Cover Box Tunnel Tie-back Retaining Wall	SF SF SF LF LF SF SF	19,000.00	\$140.00 \$154.00 \$25.73 \$90.00 \$29.00	\$0.00 \$12,859,000.00 \$0.00 \$0.00 \$1,710,000.00 \$0.00	
	6.00 6.00 6.00 6.1 6.1 6.11 6.11	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition Cut and Cover Box Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt	SF SF SF LF LF SF SF	19,000.00 13,500.00	\$140.00 \$154.00 \$25.73 \$90.00 \$29.00 \$35.00	\$0.00 \$12,859,000.00 \$0.00 \$0.00 \$1,710,000.00 \$0.00 \$472,500.00	
	6.00 6.00 6.00 6.1 6.1 6.1 6.1 6.1	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition Cut and Cover Box Tunnel Tie-back Retaining Wall MSE Retaining Wall	SF SF SF LF LF SF SF	19,000.00	\$140.00 \$154.00 \$25.73 \$90.00 \$29.00 \$35.00 \$40.00	\$0.00 \$12,859,000.00 \$0.00 \$0.00 \$1,710,000.00 \$0.00 \$472,500.00 \$720,000.00	
	6.00 6.00 6.00 6.1 6.1 6.1 6.1 6.1 6.1 6.1	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition Cut and Cover Box Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt	SF SF SF LF LF SF SF SF SF	19,000.00 13,500.00 18,000.00	\$140.00 \$154.00 \$25.73 \$90.00 \$29.00 \$35.00 \$40.00 \$47.00	\$0.00 \$12,859,000.00 \$0.00 \$0.00 \$1,710,000.00 \$0.00 \$472,500.00 \$720,000.00 \$0.00	
	6.00 6.00 6.00 6.11 6.12 6.13 6.14 6.15 6.16	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition Cut and Cover Box Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt	SF SF SF LF LF SF SF SF SF SF	19,000.00 13,500.00 18,000.00 7,500.00	\$140.00 \$154.00 \$25.73 \$90.00 \$29.00 \$35.00 \$40.00 \$47.00 \$55.00	\$0.00 \$12,859,000.00 \$0.00 \$0.00 \$1,710,000.00 \$0.00 \$472,500.00 \$720,000.00 \$0.00 \$412,500.00	
	6.00 6.00 6.00 6.11 6.12 6.13 6.14 6.15 6.16	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition Cut and Cover Box Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls	SF SF SF LF LF SF SF SF SF SF SF	19,000.00 13,500.00 18,000.00	\$140.00 \$154.00 \$25.73 \$90.00 \$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00	\$0.00 \$12,859,000.00 \$0.00 \$0.00 \$1,710,000.00 \$0.00 \$472,500.00 \$720,000.00 \$0.00 \$412,500.00 \$2,300,000.00	
	6.00 6.00 6.00 6.11 6.12 6.14 6.15 6.16 6.18	Double Deck over water Pedestrian Bridge Bridge Widening Bridge Demolition Cut and Cover Box Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt	SF SF SF LF LF SF SF SF SF SF	19,000.00 13,500.00 18,000.00 7,500.00	\$140.00 \$154.00 \$25.73 \$90.00 \$29.00 \$35.00 \$40.00 \$47.00 \$55.00	\$0.00 \$12,859,000.00 \$0.00 \$0.00 \$1,710,000.00 \$0.00 \$472,500.00 \$720,000.00 \$0.00 \$412,500.00	

7.3 Garage - 4+ levels Space \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) \$60,853,747 9 Mobilization 8% of Line 8 4,868,300 Subtotal (Lines 8 & 9) 10 \$ 65,722,047 Construction Contingency 32% of Line 10 11 \$ 21,031,055 Construction Total (Lines 10 & 11) 12 \$ 86,753,102 DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) 111. \$ 21,688,275 IV. TOTAL CAPITAL COST (2001 \$) Lines I, 12 and III \$110,586,377

Space Space \$0.00

\$0.00

7.1 Surface Lot

7.2 Garage - 0-3 levels

I-5 Trade Corridor - Phase II

11.

Corridor Section: Option 1D Suboption C

Date:

10-Sep-01

RIGHT	OF WΔΥ/	REAL ESTATE					\$3,095,510	
1	1.1	Commercial	SF	112,564	\$25	\$2,814,100	φ3,093,310	
	1.2	Residential	SF	0.00	\$15	\$2,014,100		
	1.3	House Displacements	EA	0.00	\$240,000	\$0		
	1.4	Open Lands	SF	0.00	\$5.00	\$0 \$0		
						· ·		
2	1.5	Railroad R/W	SF		\$1.50	\$0		
2		Subtotal	1.0	100/	2004 440	\$2,814,100		
3		Engineering & Admin	LS	10%	\$281,410	\$281,410		
CIVIL	CONSTRU	CTION	Unit	Quantity	Cost	Total		
1	Utility Re		Offic	Quartity	0031	Total	\$1,065,000	
•	1.1	Urban Corridor	M	0.71	\$1,500,000.00	\$1,065,000	Ψ1,000,000	
	1.2	Open Lands	M		\$200,000.00	\$0		
	1.3	Lane Addition	M		\$125,000.00	\$0		
2	Canaral	Typoyation					¢442.500	
2	2.1	Excavation General Excavation	CY	8,112	\$14.00	\$113,568.00	\$113,568	
	2.1	General Excavation	01	0,112	Ψ14.00	Ψ110,300.00		
3	Surfacing	/ Paving					\$668,037	
	3.1	New Surfacing - ACP	SY	8,536	\$65.00	\$554,840.00		
	0.0	(includes wearing course,		se, agg base,				
	3.2	New Surfacing - PCC (includes concrete, agg ba	SY se excav	to 2 section of	\$92.00	\$0.00		
	3.3	Overlay Surfacing - ACP	sse, excav SY	11,938	\$6.50	\$77,597.00		
	3.3	(includes surface prep, AC				4.1,001.00		
	3.4	Sidewalk - PCC	SY	890	\$40.00	\$35,600.00		
		(includes concrete, excav	agg base),				
	D	Davida					4-1-	
4		Development Drainage System	М	0.71	\$1,000,000.00	\$710,000.00	\$710,000	
		Restoration of Wetlands	AC	0.71	\$170,000.00	\$0.00		
					, ,			
5		rvices & Safety					\$554,913	
		Illumination	M	0.71 0.71	\$250,000.00 \$100,000.00	\$177,500.00		
	5.2	Signage (includes signage, support	M ts sian brid		\$100,000.00	\$71,000.00 \$0.00		
	5.3	Signalized Intersection	EA EA	1	\$300,000.00	\$300,000.00		
		Stripping	LM	2.42	\$2,650.00	\$6,413.00		
	01 1							
6	Structures		SF		\$100.00	\$0.00	\$37,523,225	
		Highway overpass Overland Bridge	SF	60,900	\$150.00	\$9,135,000.00		
		Low/Mid level over water	SF	86,590	\$275.00	\$23,812,250.00		
		High level over water	SF	,	\$325.00	\$0.00		
		Movable lift span	SF		\$1,670.00	\$0.00		
		Double Deck over water	SF		\$438.00	\$0.00		
		Pedestrian Bridge	SF	00.000	\$140.00	\$0.00		
		Bridge Widening	SF	26,800	\$154.00	\$4,127,200.00		
		Bridge Demolition Cut and Cover Box	SF LF		\$25.73	\$0.00 \$0.00		
		Tunnel	LF			\$0.00		
		Tie-back Retaining Wall	SF		\$90.00	\$0.00		
		MSE Retaining Wall	SF		\$29.00	\$0.00		
	6.14	CIP wall <10' hgt	SF	7,440	\$35.00	\$260,400.00		
		CIP wall 10'-15' hgt	SF		\$40.00	\$0.00		
		CIP wall 15'-20' hgt	SF		\$47.00	\$0.00		
		CIP wall 20'-25' hgt	SF SF		\$55.00 \$33.00	\$0.00		
		Soundwalls Soundwall Relocation	SF		\$23.00 \$16.00	\$0.00 \$0.00		
		Soundwall Demolation	SF		\$10.00	\$0.00		
		Concrete Barrier	LF	3,425	\$55.00	\$188,375.00		
7	D1 - 1	Dide						
7	Park and I	Ride Surface Lot	Space			\$0.00	\$0	
		Garage - 0-3 levels	Space			\$0.00		
		Garage - 4+ levels	Space			\$0.00		
3		truction Subtotal (Lines	1 throug	h 7)				40,634
9	Mobilizatio				8% of	Line 8	\$ 3,250,779	
10		(Lines 8 & 9)						43,885
11		on Contingency	,		32% of	Line 10	\$ 14,043,367	
12	Constructi	on Total (Lines 10 & 11)				\$ 5	57,928
TOLOR	LENGINE	RING & ADMINISTRA	TIONI /O	E0/ ~ [] :	12)		\$ 14,482,222	

I-5 Trade Corridor - Phase II

Corridor Section: Victory to Mill Plain

Option 2

Date:

10-Sep-01 Date of Cost Index: August 2001

Unit Quantity Cost Total RIGHT OF WAY/REAL ESTATE 1. \$22,521,021 475728 \$25 \$11,893,200 1.1 Commercial Residential 1.2 SF \$15 \$0 1.3 LS \$7,000,000 \$7,000,000 House Displacements SF 316091 \$5.00 1.4 Open Lands \$1,580,455 1.5 Railroad R/W SF \$1.50 \$0 2 Subtotal \$20,473,655 3 Engineering & Admin LS 10% \$2,047,366 \$2,047,366 CIVIL CONSTRUCTION 11. Unit Quantity Cost Total **Utility Relocations** \$4,500,000 3 \$1,500,000.00 **Urban Corridor** M \$4,500,000 1.1 M Open Lands 0 \$200,000.00 1.2 \$0 Lane Addition M 0 \$125,000.00 1.3 \$0 General Excavation/Embankment 2 \$546,714 General Excavation CY 39,051 \$14.00 \$546,714.00 2.1 Surfacing / Paving 3 \$2,618,837 New Surfacing - ACP SY 39,592 \$65.00 3.1 \$2,573,480.00 (includes wearing course, base course, agg base, excav to 30" section depth) 3.2 New Surfacing - PCC \$0.00 (includes concrete, agg base, excav to ? section depth) 3.3 Overlay Surfacing - ACP \$6.50 \$45,357.00 SY 6,978 (includes surface prep, ACP waring course, and leveling course) 3.4 Sidewalk - PCC SY \$0.00 (includes concrete, excav, agg base) Roadside Development 4 \$3,722,500 4.1 Drainage System 3 \$1,000,000.00 \$3,000,000.00 M 4.2 Restoration of Wetlands AC 4.25 \$170,000.00 \$722,500.00 5 Traffic Services & Safety \$3,181,800 3 5.1 Illumination M \$250,000.00 \$750,000.00 3 5.2 Signage M \$100,000.00 \$300,000.00 (includes signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection EA 7 \$300,000.00 \$2,100,000.00 5.4 Stripping \$2,650.00 LM 12 \$31,800.00 6 Structures \$307,309,468 6.01 Highway overpass SF 12,662 \$100.00 \$1,266,200.00 SF 1,058,170 6.02 Overland Bridge \$150.00 \$158,725,500.00 6.03 Low/Mid level over water SF 328,320 \$275.00 \$90,288,000.00 6.04 High level over water SF \$325.00 \$0.00 6.05 Movable lift span SF \$1,670.00 28,800 \$48,096,000.00 6.06 Double Deck over water SF \$438.00 \$0.00 6.07 Pedestrian Bridge SF \$140.00 \$0.00 6.08 Bridge Widening SF 17,630 \$154.00 \$2,715,020.00 6.09 Bridge Demolition SF 26,710 \$25.73 \$687,248.30 6.1 Cut and Cover Box LF 220 \$7,000.00 \$1,540,000.00 6.11 Tunnel LF \$0.00 6.12 Tie-back Retaining Wall SF \$90.00 \$0.00 6.13 MSE Retaining Wall SF \$29.00 \$0.00 6.14 CIP wall <10' hgt \$1,194,900.00 SF 34,140 \$35.00 6.15 CIP wall 10'-15' hgt SF \$1,059,600.00 26,490 \$40.00 6.16 CIP wall 15'-20' hgt SF \$47.00 \$0.00 6.17 CIP wall 20'-25' hgt SF \$55.00 \$0.00 6.18 Soundwalls SF 32,000 \$23.00 \$736,000.00 6.19 Soundwall Relo SF \$16.00 \$0.00 6.2 Soundwall Demolition SF \$10.00 \$0.00 6.21 Concrete Barrier LF 18,200 \$55.00 \$1,001,000.00 7 Park and Ride \$0 7.1 Surface Lot Space \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space \$11,000.00 \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) \$321,879,319 Mobilization 9 8% of Line 8 \$ 25,750,346 10 Subtotal (Lines 8 & 9) \$ 347,629,665 32% of Line 10 11 Construction Contingency \$111,241,493 Construction Total (Lines 10 & 11) 12 \$ 458,871,157 111. DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$114,717,789 IV. TOTAL CAPITAL COST (2001 \$) Lines I, 12 and III \$ 596,109,967

I-5 Trade Corridor - Phase II

Corridor Section: Mill Plain to SR500

Option #2

Date:

10-Sep-01

9 Mobilization - 8% of Line 8 \$ 3,803,681 10 Subtotal (Lines 8 & 9) \$ 51,349 11 Construction Contingency 32% of Line 10 \$ 16,431,903 12 Construction Total (Lines 10 & 11) \$ 67,787 DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$ 16,945,400			Unit	Quantity	Cost	Total		
1	RIGH	T OF WAY/REAL ESTATE					\$8 701 580	
1.2 Residential SF 103/165 \$15 \$1,547,475 \$1.44 Open Lands SF 246/12 \$8.00 \$123,060 \$123,060 \$123,060 \$123,060 \$123,060 \$123,060 \$123,060 \$123,060 \$15.5 \$1.447,75 \$1.45	1		SE	0	\$25	90	Ψ0,701,309	
1.3 House Deplements EA 26 \$2.40,000 \$2.20,000	1							
1.4								
1.5 Railroad RW SF 0 \$1.50 \$0 \$7.910.535 \$3 EPA								
2								
CIVIL CONSTRUCTION		1.5 Railroad R/W	SF	0	\$1.50	\$0		
CIVIL CONSTRUCTION		Subtotal				\$7,910,535		
1	3	E+A	LS	10%	\$791,054	\$791,054		
1								
1.1 Urban Carristor M			Unit	Quantity	Cost	Total		
1.2	1						\$6,150,000	
1.3 Lane Addition								
2 General Excavation		**						
2.1 General Excavation CY \(\begin{array}{c c c c c c c c c c c c c c c c c c c		1.3 Lane Addition	IVI	0.0	\$125,000.00	\$0		
2.1 General Excavation CY \(\begin{array}{c c c c c c c c c c c c c c c c c c c	2	General Excavation					\$2,026,560	
Surfacing / Paving Structures Structur	2		CY	209 040	\$14.00	\$2 926 560 00	\$2,920,000	
New Surfacing - ACIP SY 68,978 \$65.00 \$5,783,570.00		2.1 General Excavation	01	203,040	Ψ14.00	Ψ2,320,300.00		
3.1	3	Surfacing / Paving					\$6.248.970	
Structures	5		o sy	88 978	\$65.00	\$5 783 570 00	\$0,240,970	
3.2 New Surfacing - PCC SY 0 982.00 \$0.00		0						
(Includes conferete, agp base, excrav for 7 section depth) 3.3 Overta Surfacing - ACP SY T1,600 \$6.50 \$465,400.00 \$1.000 \$3.4 \$1.000 \$3.4 \$1.000 \$3.4 \$1.000 \$3.4 \$1.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.4 \$3.000 \$3.000 \$3.4 \$3.000 \$3.0						, ,		
3.3 Overlay Surfacing - ACP SY 71,600 \$6.50 \$465,400.00	j	o contract of the contract of				\$0.00		
Section Continue				personal residence of the second seco		\$465,400.00		
(Includes concrete, excav, agg base) 4 Roadside Development 4.1 Trainage System M A.1 \$1,000,000.00 \$4,100,000.00 4.2 Restbraibon of Wetlands AC 0.0 \$1770,000.00 \$0.00 5 Traific Services & Safety 5.1 Illumination M 4.1 \$250,000.00 \$1,025,000.00 6.2 Signage and Striping M 4.1 \$100,000.00 \$41,000.00 (Includes signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection EA 0 \$300,000.00 \$410,000.00 (Includes signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection EA 0 \$300,000.00 \$40,375.00 6.4 Structures 6.01 Highway overpass SF 142,280 \$100.00 \$14,228,000.00 6.02 Overland Bridge SF 0 \$150.00 \$0.00 6.03 Low/Mid level over water SF 0 \$275.00 \$0.00 6.04 High level over water SF 0 \$325.00 \$0.00 6.05 Movable lift span SF 0 \$13,670.00 \$0.00 6.06 Bridge Widening SF 0,745 \$154.00 \$3,194,730.00 6.08 Bridge Demolition SF 31,550 \$25.73 \$811,761.50 6.11 Cut and Cover Box LF 0 6.11 Tunnel LF 0 \$44,800.00 \$0.00 6.12 Tie-back Retaining Wall SF 0 \$90.00 \$0.00 6.12 Tie-back Retaining Wall SF 0 \$90.00 \$0.00 6.14 CIP wall -10 high SF 13,250 \$35.00 \$40,375.00 6.16 CIP wall -10 high SF 25,775 \$40.00 \$1,011,000.00 6.19 Sindya Demolition SF 13,550 \$35.00 \$40,375.00 6.16 CIP wall -10 high SF 25,775 \$40.00 \$1,011,000.00 6.12 Tie-back Retaining Wall SF 0 \$90.00 \$0.00 6.14 CIP wall -10 high SF 25,276 \$40.00 \$1,011,000.00 6.15 Soundwall Evention SF 0 \$10,000 \$0.00 6.16 CIP wall -10 high SF 25,276 \$40.00 \$1,011,000.00 6.19 Soundwall SF 0 \$25.00 \$0.00 6.19 Soundwall Evention SF 0 \$10,000 \$0.00 6.21 Concrete Barrier LF 3,535 \$55.00 \$194,425.00 7 Park and Ride 7.1 Surface Lot \$pace 0 \$2,500.00 \$0.00 6.21 Concrete Barrier LF 3,535 \$55.00 \$110,000.00 8 Civil Construction Subtotal (Lines 1 through 7) 9 Mobilization - 8% of Line 8 \$13,803,681 11 Construction Contingency 32% of Line 10 \$16,000.00 50.780		(includes surface pre	p, ACP waring	course, and le	eveling course)			
4 Roadside Development 4.1 Drainage System M 4.1 \$1,000,000 0 \$4,100,000 0 \$4,100,000 0 \$4,100,000 0 \$0,000 5 Traffic Services & Safety 5.1 Illumination M 4.1 \$250,000 0 \$1,025,000 0 \$4,100,000 0 \$1,025,000 0 \$4,100,000 0 \$4,				Market Control of the		\$0.00		
4.1 Drainage System		(includes concrete, e	xcav, agg base	2)				
4.1 Drainage System								
A 2 Restbration of Wetlands	4						\$4,100,000	
5 Traffic Services & Safety \$1.1llumination M 4.1 \$250,000.00 \$1,025,000.00 \$1,025,000.00 \$1,000.00 \$2,000.00 \$1,000.00								
5.1 Illumination M 4.1 \$250,000.00 \$410,000.00 5.2 Signage and Striping (includes signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection EA 0 \$300,000.00 \$0.00 5.4 Stripping LM 17.5 \$2,255.00 \$46,375.00 6 Structures 6.01 Highway overpass SF 142,280 \$100.00 \$14,228,000.00 6.02 Coverland Bridge SF 0 \$150.00 \$0.00 6.03 LowMild level cover water SF 0 \$275.00 \$0.00 6.04 High level over water SF 0 \$275.00 \$0.00 6.05 Movable lift span SF 0 \$275.00 \$0.00 6.05 Movable lift span SF 0 \$31,670.00 \$0.00 6.07 Pedestrian Bridge SF 0 \$438.00 \$0.00 6.08 Bridge Widening SF 20,745 \$156.00 \$3,194,730.00 6.10 Lut and Cover Box LF 0 \$44,900.00 \$0.00 6.11 Timel LF 0 \$44,900.00 \$0.00 6.13 MSER Retaining Wall SF		4.2 Restoration of Wetlan	nds AC	0.0	\$170,000.00	\$0.00		
5.1 Illumination M 4.1 \$250,000.00 \$410,000.00 5.2 Signage and Striping (includes signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection EA 0 \$300,000.00 \$0.00 5.4 Stripping LM 17.5 \$2,2550.00 \$46,375.00 6 Structures 6.01 Highway overpass SF 142,280 \$100.00 \$14,228,000.00 6.02 Coverland Bridge SF 0 \$150.00 \$0.00 6.03 Low/Mid level over water SF 0 \$275.00 \$0.00 6.04 High level over water SF 0 \$275.00 \$0.00 6.05 Movable lift span SF 0 \$325.00 \$0.00 6.06 Double Deck over water SF 0 \$325.00 \$0.00 6.07 Pedestrian Bridge SF 0 \$438.00 \$0.00 6.08 Bridge Widening SF 20,745 \$156.00 \$3,194,730.00 6.10 Lut and Cover Box LF 0 \$44,900.00 \$0.00 6.11 Timele LF 0 \$44,900.00 \$0.00 6.13 MSER Retaining Wall SF	_	T						
Section Sect	5				# 050 000 05	#4 00F 000 00	\$1,481,375	
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6.21 Concrete Barrier LF 3,535 \$55.00 \$194,425.00 7 Park and Ride \$0 7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) 9 Mobilization - 8% of Line 8 \$3,803,681 10 Subtotal (Lines 8 & 9) 11 Construction Contingency 32% of Line 10 \$16,431,903 12 Construction Total (Lines 10 & 11) DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$16,945,400								
7 Park and Ride 7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) 9 Mobilization - 8% of Line 8 10 Subtotal (Lines 8 & 9) 11 Construction Contingency 32% of Line 10 12 Construction Total (Lines 10 & 11) DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$10,000 \$0.00								
7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) 9 Mobilization - 8% of Line 8 10 Subtotal (Lines 8 & 9) 11 Construction Contingency 32% of Line 10 12 Construction Total (Lines 10 & 11) DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$16,945,400								
7.1 Surface Lot Space 0 \$2,500.00 \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) 9 Mobilization - 8% of Line 8 10 Subtotal (Lines 8 & 9) 11 Construction Contingency 32% of Line 10 12 Construction Total (Lines 10 & 11) DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$16,945,400	7	Park and Ride					\$0	
7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) 9 Mobilization - 8% of Line 8 \$3,803,681 10 Subtotal (Lines 8 & 9) 11 Construction Contingency 32% of Line 10 \$16,431,903 12 Construction Total (Lines 10 & 11) DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$16,945,400		7.1 Surface Lot	Space	0	\$2,500.00	\$0.00	, -	
8				0	\$9,000.00			
9 Mobilization - 8% of Line 8 \$ 3,803,681 10 Subtotal (Lines 8 & 9) \$ 51,349 11 Construction Contingency 32% of Line 10 \$ 16,431,903 12 Construction Total (Lines 10 & 11) \$ 67,787		7.3 Garage - 4+ levels	Space	0	\$11,000.00			
9 Mobilization - 8% of Line 8 \$ 3,803,681 10 Subtotal (Lines 8 & 9) \$ 51,349 11 Construction Contingency 32% of Line 10 \$ 16,431,903 12 Construction Total (Lines 10 & 11) \$ 67,787								
10 Subtotal (Lines 8 & 9) 11 Construction Contingency 32% of Line 10 12 Construction Total (Lines 10 & 11) DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$16,945,400			ines 1 throug	h 7)				\$47,546,0
10 Subtotal (Lines 8 & 9) 11 Construction Contingency 32% of Line 10 12 Construction Total (Lines 10 & 11) DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$16,945,400					8% c	of Line 8	\$ 3,803,681	
11 Construction Contingency 32% of Line 10 \$16,431,903 12 Construction Total (Lines 10 & 11) \$67,787 DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$16,945,400	10	Subtotal (Lines 8 & 9)						\$51,349,6
12 Construction Total (Lines 10 & 11) \$67,785 DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$16,945,400	11	Construction Contingency			32% c	of Line 10	\$16,431,903	
DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$16,945,400	12	Construction Total (Lines 10	& 11)					\$67,781,6
TOTAL CARITAL COOT (2004 ft)		•						, , .
TOTAL CARITAL COOT (0004 ft)	DESIG	N ENGINEERING & ADMINIS	TRATION (2	5% of Line	12)		\$16.945.400	
TOTAL CAPITAL COST (2001 \$) Lines L12 and III			,		,		+ .5,5 15,750	
TOTAL CAPITAL COST (2001 3) LINEST 12 SHOTH	TOTAL	CAPITAL COST (2001 \$)	Lines I, 12	and III				\$ 93,428,59

I-5 Trade Corridor - Phase II

Corridor Section: Victory to Mill Plain with LRT

Option 3

Date:

10-Sep-01 Date of Cost Index: August 2001

Unit Quantity Cost Total RIGHT OF WAY/REAL ESTATE \$22,264,061 SF 469168 \$11,729,200 1.1 Commercial \$25 SF 1.2 Residential \$15 \$0 \$7,000,000 1.3 House Displacements LS \$7,000,000 \$1,510,855 1.4 Open Lands SF 302171 \$5.00 .5 Railroad R/W SF \$1.50 2 Subtotal \$20,240,055 Engineering & Admin \$2,024,006 3 10% \$2,024,006 LS 11. CIVIL CONSTRUCTION Unit Quantity Cost Total **Utility Relocations** \$4,500,000 \$4,500,000 Urban Corridor 3 \$1,500,000.00 1.1 M 1.2 Open Lands M \$200,000.00 \$0 Lane Addition \$125,000.00 1.3 \$0 M 2 General Excavation/Embankment \$546,714 General Excavation 39,051 \$14.00 \$546,714.00 CY 2.1 3 Surfacing / Paving \$2,618,837 39,592 \$65.00 \$2,573,480.00 New Surfacing - ACP SY (includes wearing course, base course, agg base, excav to 30" section depth) \$0.00 3.2 New Surfacing - PCC \$92.00 SY (includes concrete, agg base, excav to ? section depth) Overlay Surfacing - ACP \$6.50 \$45,357.00 3.3 SY 6,978 (includes surface prep, ACP waring course, and leveling course) \$0.00 3.4 Sidewalk - PCC SY \$40.00 (includes concrete, excav, agg base) Roadside Development \$3,722,500 \$3,000,000.00 4.1 Drainage System M 3 \$1,000,000.00 4.2 Restoration of Wetlands AC 4.25 \$170,000.00 \$722,500.00 5 Traffic Services & Safety \$3,181,800 5.1 Illumination \$250,000.00 M \$750,000.00 \$300,000.00 3 \$100,000.00 M (includes signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection \$300,000.00 \$2,100,000.00 EA 5.4 Stripping \$2,650.00 \$31,800.00 LM 12 6 Structures \$391,057,948 6.01 Highway overpass SF 12,662 \$100.00 \$1,266,200.00 6.02 Overland Bridge SF \$64,285,500.00 428,570 \$150.00 6.03 Low/Mid level over water SF \$275.00 \$0.00 \$325.00 6.04 High level over water SF \$0.00 \$1,670.00 \$48,096,000.00 6.05 Movable lift span SF 28,800 6.06 Double Deck SF 612,960 \$438.00 \$268,476,480.00 6.07 Pedestrian Bridge SF \$140.00 \$0.00 6.08 Bridge Widening 17,630 \$2,715,020.00 SF \$154.00 6.09 Bridge Demolition SF 26,710 \$25.73 \$687,248.30 6.1 Cut and Cover Box LF 220 \$7,000.00 \$1,540,000.00 6.11 Tunnel LF \$0.00 6.12 Tie-back Retaining Wall SF \$90.00 \$0.00 6.13 MSE Retaining Wall SF \$29.00 \$0.00 6.14 CIP wall <10' hgt SF \$35.00 \$1,194,900.00 34,140 6.15 CIP wall 10'-15' hgt SF 26,490 \$40.00 \$1,059,600.00 6.16 CIP wall 15'-20' hgt SF \$47.00 \$0.00 6.17 CIP wall 20'-25' hgt SF \$55.00 \$0.00 6.18 Soundwalls SF 32,000 \$23.00 \$736,000.00 6.19 Soundwall Relocation SF \$16.00 \$0.00 6.2 Soundwall Demolition SF \$10.00 \$0.00 6.21 Concrete Barrier LF 18,200 \$55.00 \$1,001,000.00 7 Park and Ride \$0 \$2,500.00 \$0.00 7.1 Surface Lot Space 7.2 Garage - 0-3 levels Space \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space \$11,000.00 \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) \$405,627,799 Mobilization -\$ 32,450,224 9 8% of Line 8 10 Subtotal (Lines 8 & 9) \$ 438,078,023 \$ 140,184,967 11 Construction Contingency 32% of Line 10 12 Construction Total (Lines 10 & 11) \$ 578,262,990 DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) III. \$ 144,565,748 IV. TOTAL HIGHWAY COST (2001 \$) Lines I, 12 and III \$ 745,092,798 V. LRT SYSTEM (EXPO TO 5TH ST., VACOUVER) \$69,354,524 Civil Construction \$16,300,304.00 2 Transit Vehicles (4 LRVs) \$12,057,834.00 3 **Operations Facilities** \$2,007,656.00 4 Traction Electrification System \$3,104,967.00 Signals \$2,991,811.00 5 6 Communications \$844,353.00 7 Fare Collection \$496,002.00 8 Right of way \$14,779,182.00 Engineering & Admin 9 \$8,738,437.00 10 Contingency \$8,033,978.00

I-5 Trade Corridor - Phase II

Corridor Section: Mill Plain to SR500

Option #3

Date:

10-Sep-01

 	78.00								
			Unit	Quantity	Cost	Total			
RIGHT	OF WAY	/REAL ESTATE						\$8,701,589)
1	1.1	Commercial	SF	0	\$25	\$0			
	1.2	Residential	SF	103165	\$15	\$1,547,475			
	1.3	House Displacements	EA	26	\$240,000	\$6,240,000			
	1.4	Open Lands	SF	24612	\$5.00	\$123,060			
	1.5	Railroad R/W	SF	0	\$1.50	\$0			
2		Subtotal				\$7,910,535			
2		E+A	LS	10%	\$791,054	\$791,054			
CIVIL	CONSTRU	JCTION	Unit	Quantity	Cost	Total			
1	Utility R	elocations						\$6,150,000)
	1.1	Urban Corridor	M	4.1	\$1,500,000.00	\$6,150,000		*	
	1.2 1.3	Open Lands Lane Addition	M	0.0	\$200,000.00 \$125,000.00	\$0 \$0			
	1.3	Lane Addition	IVI	0.0	\$125,000.00	Φ0			
2	General	I Excavation						\$2,926,560	
_	2.1	General Excavation	CY	209,040	\$14.00	\$2,926,560.00		42,020,000	
3		ng / Paving						\$6,248,970	
	3.1	New Surfacing - ACP	SY	88,978	\$65.00	\$5,783,570.00			
	3.2	(includes wearing course New Surfacing - PCC	, base cou SY	1		,			
	J.Z	(includes concrete, agg b		v to ? section of	\$92.00 depth)	\$0.00			
	3.3	Overlay Surfacing - ACP	SY	71,600	\$6.50	\$465,400.00			
		(includes surface prep, A	CP waring	course, and le	eveling course)				
	3.4	Sidewalk - PCC	SY	0		\$0.00			
		(includes concrete, excav	, agg bas	e)					
4	Doodsid	la Davidanment							
4		le Development .1 Drainage System	M	4.1	\$1,000,000.00	\$4,100,000.00		\$4,100,000	
		.2 Restoration of Wetlands	AC	0.0	\$170,000.00	\$0.00			
			(4 11 5,555.55	Ψ0.00			
5	Traffic S	Services & Safety						\$1,481,375	
		.1 Illumination	M	4.1	\$250,000.00	\$1,025,000.00			
	5.	.2 Signage and Striping	M	4.1	\$100,000.00	\$410,000.00			
	. 5	(includes signage, suppor 3 Signalized Intersection	EA	lages, and par 0	\$300,000.00	\$0.00			
		.4 Illumination	LM	17.5	\$2,650.00	\$46,375.00			
					1-10-10-10	4 10,010.00			
6	Structure							\$26,639,112	
		11 Highway overpass	SF	142,280	\$100.00	\$14,228,000.00			
		O2 Overland Bridge O3 Low/Mid level over water	SF SF	0	\$150.00	\$0.00			
		4 High level over water	SF	0	\$275.00 \$325.00	\$0.00 \$0.00			
		5 Movable lift span	SF	0	\$1,670.00	\$0.00			
		6 Double Deck over water	SF	0	\$438.00	\$0.00			
		7 Pedestrian Bridge	SF	0	\$140.00	\$0.00			
		8 Bridge Widening	SF	20,745	\$154.00	\$3,194,730.00			
		9 Bridge Demolition1 Cut and Cover Box	SF LF	31,550	\$25.73	\$811,781.50			
		1 Tunnel	LF	0	\$44,900.00	\$0.00 \$0.00			
		2 Tie-back Retaining Wall	SF	0	\$90.00	\$0.00			
		3 MSE Retaining Wall	SF	0	\$29.00	\$0.00			
		4 CIP wall <10' hgt	SF	13,250	\$35.00	\$463,750.00			
		5 CIP wall 10'-15' hgt	SF	25,275	\$40.00	\$1,011,000.00			
		6 CIP wall 15'-20' hgt	SF	48,625	\$47.00	\$2,285,375.00			
		7 CIP wall 20'-25' hgt 8 Soundwalls	SF SF	80,910 0	\$55.00 \$23.00	\$4,450,050.00			
		9 Soundwall Relocation	SF	0	\$16.00	\$0.00 \$0.00			
		2 Soundwall Demolation	SF.	0	\$10.00	\$0.00			
		1 Concrete Barrier	LF	3,535	\$55.00	\$194,425.00			
7	D .	I Dist.							
7	Park and		0		00 505			\$0	
		1 Surface Lot	Space	0	\$2,500.00	\$0.00			
		2 Garage - 0-3 levels 3 Garage - 4+ levels	Space Space	0	\$9,000.00 \$11,000.00	\$0.00 \$0.00			
	1.	o Jaiago T. Icvois	opace	U	Ψ11,000.00	φυ.υυ			
8	Civil Con	struction Subtotal (Lines	1 through	ah 7)					\$47,546,01
9	Mobilizat				8% 0	of Line 8	\$	3,803,681	ψ41,040,01
10		(Lines 8 & 9)			370 0		Ψ	3,003,001	\$51,349,69
11		tion Contingency			32% o	f Line 10	\$	16,431,903	ΨΟ1,049,08
12		tion Total (Lines 10 & 11	1)		0270	್ ಎಡುದುಕ್ ಹಿತ್	Ψ	10,101,000	\$67,781,60
									Ψ J1,1 U1,00
DESIGN	ENGINE	ERING & ADMINISTRA	ATION (2	5% of Line	12)		\$	16,945,400	
			,		100		***************************************	-1.00	
TOTAL	CAPITAL	COST (2001 \$) L	ines I, 12	and III					\$93,428,59
									,,-

I-5 Trade Corridor - Phase II

Corridor Section: Mill Plain to SR500

Option 6

Date:

10-Sep-01

			Unit	Quantity	Cost	Total		
RIGH?	Γ OF WAY/R	REAL ESTATE					\$10,020,351	
1	1.1	Commercial	SF	0	\$25	\$0		
	1.2	Residential	SF	119090	\$15	\$1,786,350		
	1.3	House Displacements	EA	30	\$240,000	\$7,200,000		
	1.4	Open Lands	SF	24612	\$5.00	\$123,060		
	1.5	Railroad R/W	SF	0	\$1.50	\$0		
2	1.0	Subtotal	Oi	O	Ψ1.50	\$9,109,410		
3			10	100/	\$010.041			
3		Engineering & Admin	LS	10%	\$910,941	\$910,941		
CIVIL (CONSTRUC Utility Rel		Unit	Quantity	Cost	Total	¢6 150 000	
1			8.4	4.4	¢4 500 000 00	CC 150 000	\$6,150,000	
	1.1 1.2	Urban Corridor Open Lands	M	4.1 0.0	\$1,500,000.00	\$6,150,000		
	1.3	Lane Addition	M	0.0	\$200,000.00 \$125,000.00	\$0 \$0		
			101	0.0	Ψ123,000.00	ΨΟ		,
2	General E 2.1	Excavation General Excavation	CY	209,040	\$14.00	\$2,926,560.00	\$2,926,560	
2						+=,===,====		
3	Surfacing		01/	00.070	005.00	OF 700 F70 00	\$6,365,320	
	3.1	New Surfacing - ACP	SY	88,978	\$65.00	\$5,783,570.00		
	2.2	(includes wearing course,		se, agg base, e				
	3.2	New Surfacing - PCC	SY	0	\$92.00	\$0.00		
	2.2	(includes concrete, agg ba				DED 1 750 55		
	3.3	Overlay Surfacing - ACP	SY	89,500	\$6.50	\$581,750.00		
	3.4	(includes surface prep, AC Sidewalk - PCC	SP waring of SY		eling course)	#0.00		
	5.4	(includes concrete, excav,)		\$0.00		
4	Roadeide	Development					\$4,100,000	
7		Drainage System	M	4.1	\$1,000,000.00	\$4,100,000.00	Ψ4, 100,000	
		Restoration of Wetlands	AC	0.0	\$170,000.00	\$0.00		
				0.0	\$1,5,000.00	Ψ0.00		
5		rvices & Safety					\$1,481,375	
		Illumination	M	4.1	\$250,000.00	\$1,025,000.00		
		Signage	M	4.1	\$100,000.00	\$410,000.00		
		(includes signage, support				**		
		Signalized Intersection Stripping	EA LM	0 17.5	\$300,000.00 \$2,650.00	\$0.00 \$46,375.00		
					42,000.00	+ .0,070.00		
6	Structures						\$26,639,112	
		Highway overpass	SF	142,280	\$100.00	\$14,228,000.00		
		Overland Bridge	SF	0	\$150.00	\$0.00		
		Low/Mid level over water	SF	0	\$275.00	\$0.00		
		High level over water	SF	0	\$325.00	\$0.00		
		Movable lift span	SF	0	\$1,670.00	\$0.00		
		Double Deck over water	SF	0	\$438.00	\$0.00		
		Pedestrian Bridge	SF	0	\$140.00	\$0.00		
		Bridge Widening	SF	20,745	\$154.00	\$3,194,730.00		
		Bridge Demolition	SF	31,550	\$25.73	\$811,781.50		
		Cut and Cover Box	LF	0		\$0.00		
		Tunnel	LF	0	\$44,900.00	\$0.00		
		Tie-back Retaining Wall	SF	0	\$90.00	\$0.00		
		MSE Retaining Wall	SF	0	\$29.00	\$0.00		
		CIP wall <10' hgt	SF	13,250	\$35.00	\$463,750.00		
		CIP wall 10'-15' hgt	SF	25,275	\$40.00	\$1,011,000.00		
		CIP wall 15'-20' hgt	SF	48,625	\$47.00	\$2,285,375.00		
		CIP wall 20'-25' hgt	SF	80,910	\$55.00	\$4,450,050.00		
		Soundwalls	SF	0	\$23.00	\$0.00		
		Soundwall Relocation	SF	0	\$16.00	\$0.00		
		Soundwall Demolation	SF	0	\$10.00	\$0.00		
	6.21	Concrete Barrier	LF	3,535	\$55.00	\$194,425.00		
7 .	Park and F						\$0	
		Surface Lot	Space	0	\$2,500.00	\$0.00		
		Garage - 0-3 levels	Space	0	\$9,000.00	\$0.00		
	7.3	Garage - 4+ levels	Space	0	\$11,000.00	\$0.00		
8	Civil Const	ruction Subtotal (Lines	1 through	n 7)				\$47,662
9	Mobilizatio		3.		8% of	Line 8	\$ 3,812,989	, , , , , , ,
10		(Lines 8 & 9)			0,001	applement of the second of the	\$	51,475
11		on Contingency			32% of	Line 10	\$ 16,472,114	01,770
		on Total (Lines 10 & 11)		52.70 OI		\$	67,947
12	Constructio							
		RING & ADMINISTRA	TION (2	5% of Line 1	2)		\$ 16 986 868	
DESIG	N ENGINEE	RING & ADMINISTRA	TION (2	5% of Line 1	2)		\$ 16,986,868	

I-5 Trade Corridor - Phase II

Corridor Section: SR500 to I-205

Option 6

Date:

10-Sep-01

			Unit	Quantity	Cost	Total		
RIGHT	OF WAY/F	REAL ESTATE					\$90,750	
1	1.1	Commercial	SF		\$25	\$0	****	
	1.2	Residential	SF	5500	\$15	\$82,500		
	1.3	House Displacements	EA		\$240,000	\$0		
	1.4	Open Lands	SF		\$5.00	\$0		
	1.5	Railroad R/W	SF		\$1.50	\$0		
2	1.0	Subtotal	Oi		Ψ1.50	\$82,500		
3		Engineering & Admin	LS	10%	\$9.250			
3		Engineering & Admin	LO	1076	\$8,250	\$8,250		
CIVILC	ONSTRUC	CTION	Unit	Quantity	Cost	Total		
1	Utility Rel	ocations					\$298,750	
	1.1	Urban Corridor	LM		\$1,500,000.00	\$0		
	1.2	Open Lands	LM		\$200,000.00	\$0		
	1.3	Lane Addition	LM	2.4	\$125,000.00	\$298,750		
	0 15							
2		Excavation	CV	[614.00	00.00	\$0	
	2.1	General Excavation	CY	L	\$14.00	\$0.00		
3	Surfacing	/ Paving					\$3,137,914	
3	3.1	New Surfacing - ACP	SY	17,235	\$65.00	\$1,120,275.00	Ψ5,157,514	
	5.1	(includes wearing course,		Name and Address of the Owner of the Control of the				
	3.2	New Surfacing - PCC	SY	0	\$92.00	\$0.00		
		(includes concrete, agg ba	se, excav	to? section d				
	3.3	Overlay Surfacing - ACP	SY	310,406	\$6.50	\$2,017,639.00		
		(includes surface prep, AC			veling course)			
	3.4	Sidewalk - PCC	SY	611		\$0.00		
		(includes concrete, excav,	agg base	•)				
4	Doodoido	Davidanment					£4.405.000	
4		Development Drainage System	LM	2.4	\$500,000.00	\$1,195,000.00	\$1,195,000	
		Restoration of Wetlands	AC	2.4	\$170,000.00	\$0.00		
	7.2	restoration of victionas	710		φ170,000.00	ψ0.00		
5	Traffic Se	rvices & Safety					\$836,500	
		Illumination	LM	2.4	\$250,000.00	\$597,500.00		
	5.2	Signage and Striping	LM	2.4	\$100,000.00	\$239,000.00		
		(includes signage, support	44.00	dges, and pav		00.00		
		Signalized Intersection Illumination	EA		\$300,000.00	\$0.00		
	5.4	mummation	LM		\$2,650.00	\$0.00		
6	Structures	3	i.				\$1,461,200	
		Highway overpass	SF		\$100.00	\$0.00	ψ1,101, 2 00	
		Overland Bridge	SF		\$150.00	\$0.00		
	6.03	Low/Mid level over water	SF		\$275.00	\$0.00		
		High level over water	SF		\$325.00	\$0.00		
		Movable lift span	SF		\$1,670.00	\$0.00		
		Double Deck over water	SF		\$438.00	\$0.00		
		Pedestrian Bridge	SF		\$140.00 \$154.00	\$0.00		
		Bridge Widening Bridge Demolition	SF SF		\$154.00 \$25.73	\$0.00 \$0.00		
		Cut and Cover Box	LF		Ψ23./3	\$0.00		
		Tunnel	LF			\$0.00		
		Tie-back Retaining Wall	SF		\$90.00	\$0.00		
		MSE Retaining Wall	SF		\$29.00	\$0.00		
		CIP wall <10' hgt	SF	10,000	\$35.00	\$350,000.00		
		CIP wall 10'-15' hgt	SF	14,880	\$40.00	\$595,200.00		
		CIP wall 15'-20' hgt	SF		\$47.00	\$0.00		
		CIP wall 20'-25' hgt	SF		\$55.00	\$0.00		
		Soundwalls	SF		\$23.00	\$0.00		
		Soundwall Relocation	SF	32,250	\$16.00	\$516,000.00		
		Soundwall Demolation	SF		\$10.00	\$0.00		
ů.	6.21	Concrete Barrier	LF		\$55.00	\$0.00		
7	Park and f	Ride					\$1,875,000	
		Surface Lot	Space	750	\$2,500.00	\$1,875,000.00	ψ1,070,000	
		Garage - 0-3 levels	Space		\$9,000.00	\$0.00		
		Garage - 4+ levels	Space		\$11,000.00	\$0.00		
8		truction Subtotal (Lines	1 throug	h 7)				\$8,804,3
9	Mobilizatio				8% of	f Line 8	\$ 704,349	
10		(Lines 8 & 9)					\$	9,508,7
11		on Contingency			32% of	f Line 10	\$ 3,042,788	
12	Constructi	on Total (Lines 10 & 11)				\$	12,551,5
12								
12								
	ENGINEE	RING & ADMINISTRA	TION (2	5% of Line	12)		\$ 3,137,875	

I-5 Trade Corridor - Phase II

Corridor Section: 6-Lane Br. (Victory to Mill Plain)

Option 6

Date:

10-Sep-01

				Unit	Quantity	Cost	Total		
	RIGHT	OF WAY/F	REAL ESTATE					\$17,364,677	
	1	1.1	Commercial	SF	292,121	\$25	\$7,303,025		
		1.2	Residential	SF	0	\$15	\$0		
		1.3	House Displacements	LS	1	\$8,000,000	\$8,000,000		
		1.4	Open Lands	SF	96,609	\$5.00	\$483,045		
		1.5	Railroad R/W	SF	0	\$1.50	\$0		
	2		Subtotal				\$15,786,070		
	3		Engineering & Admin	LS	10%	\$1,578,607	\$1,578,607		
	011/11/0	ONOTOLI	OTION		_				
	CIVIL C	ONSTRUC		Unit	Quantity	Cost	Total		
	1	Utility Rel		λ.//	0.0	¢4 500 000 00	¢42 500 000	\$13,500,000	
		1.1	Urban Corridor Open Lands	M	9.0 0.0	\$1,500,000.00 \$200,000.00	\$13,500,000 \$0		
		1.3	Lane Addition	M	0.0	\$125,000.00	\$0		
						+,	4.0		
	2	General E	Excavation					\$844,480	
		2.1	General Excavation	CY	60,320	\$14.00	\$844,480.00		
	0	0 (/D :						
	3	Surfacing 3.1		SY	107.000	¢c= 00	Φ7 007 000 00	\$7,403,565	
		3.1	New Surfacing - ACP (includes wearing course,		107,800	\$65.00	\$7,007,000.00		
		3.2	New Surfacing - PCC	SY	o o	\$92.00	\$0.00		
			(includes concrete, agg ba				40.00		
		3.3	Overlay Surfacing - ACP	SY	61,010	\$6.50	\$396,565.00		
			(includes surface prep, AC	-		,			
		3.4	Sidewalk - PCC	SY	0	\$40.00	\$0.00		
			(includes concrete, excav	, agg base	÷)				
	4	Roadside	Development					\$9,102,000	
	-1		Drainage System	M	9.0	\$1,000,000.00	\$9,000,000.00	\$9,102,000	
			Restoration of Wetlands	AC	0.6	\$170,000.00	\$102,000.00		
						And a set of conference and			
	5		ervices & Safety	OK 17541				\$3,263,950	
			Illumination	M	9.0	\$250,000.00	\$2,250,000.00		
		5.2	Signage (includes signage, suppor	M ts sian hri	9.0	\$100,000.00	\$900,000.00		
		5.3	Signalized Intersection	EA	0	\$300,000.00	\$0.00		
			Stripping	LM	43.0	\$2,650.00	\$113,950.00		
	•	0.							
	6	Structures		OF.	0	# 400.00	**	\$483,763,335	
			Highway overpass Overland Bridge	SF SF	0 233,550	\$100.00 \$150.00	\$0.00		
			Low/Mid level over water	SF	681,894	\$275.00	\$35,032,500.00 \$187,520,850.00		
			High level over water	SF	624,996	\$325.00	\$203,123,700.00		
			Movable lift span	SF	32,004	\$1,670.00	\$53,446,680.00		
			Double Deck over water	SF	0	\$438.00	\$0.00		
			Pedestrian Bridge	SF	0	\$140.00	\$0.00		
			Bridge Widening Bridge Demolition	SF SF	6,970	\$154.00	\$1,073,380.00		
			Cut and Cover Box	LF	0	\$25.73	\$0.00		
					0		\$0.00		
			Tunnel		0		\$0.00 \$0.00		
		6.11		LF SF		\$90.00	\$0.00 \$0.00 \$0.00		
		6.11 6.12 6.13	Tunnel Tie-back Retaining Wall MSE Retaining Wall	LF SF SF	0	\$90.00 \$29.00	\$0.00		
		6.11 6.12 6.13 6.14	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt	LF SF SF SF	0 0 0 14,780	\$29.00 \$35.00	\$0.00 \$0.00 \$0.00 \$517,300.00		
		6.11 6.12 6.13 6.14 6.15	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt	LF SF SF SF	0 0 0 14,780 25,250	\$29.00 \$35.00 \$40.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00		
		6.11 6.12 6.13 6.14 6.15 6.16	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt	LF SF SF SF SF	0 0 0 14,780 25,250 24,500	\$29.00 \$35.00 \$40.00 \$47.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00		
		6.11 6.12 6.13 6.14 6.15 6.16 6.17	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt	LF SF SF SF SF SF	0 0 0 14,780 25,250 24,500 460	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00		
		6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt	LF SF SF SF SF SF SF	0 0 0 14,780 25,250 24,500 460 0	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00 \$0.00		
		6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls	LF SF SF SF SF SF	0 0 0 14,780 25,250 24,500 460	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00		
		6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19 6.2	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation	LF SF SF SF SF SF SF	0 0 14,780 25,250 24,500 460 0	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00 \$16.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00 \$0.00		
	7	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19 6.2	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier	LF SF SF SF SF SF SF SF	0 0 14,780 25,250 24,500 460 0	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00 \$16.00 \$10.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00 \$0.00 \$0.00		
7	7	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19 6.2 6.21	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride	LF SF SF SF SF SF SF LF	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00 \$16.00 \$10.00 \$55.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00 \$0.00 \$0.00 \$0.00 \$862,125.00	\$0	
7	7	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19 6.2 6.21	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot	LF SF SF SF SF SF SF LF	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$16.00 \$10.00 \$55.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00 \$0.00 \$0.00 \$0.00 \$862,125.00	\$0	
7	7	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.2 6.21 Park and F	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot Garage - 0-3 levels	LF SF SF SF SF SF SF LF Space Space	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00 \$16.00 \$10.00 \$55.00 \$2,500.00 \$9,000.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$0.00 \$0.00 \$0.00 \$862,125.00 \$0.00 \$0.00	\$0	
7	7 .	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.2 6.21 Park and F	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot	LF SF SF SF SF SF SF LF	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$16.00 \$10.00 \$55.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00 \$0.00 \$0.00 \$0.00 \$862,125.00	\$0	
7		6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.29 6.21 Park and F 7.1 7.2	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot Garage - 0-3 levels	LF SF SF SF SF SF SF LF Space Space	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00 \$16.00 \$10.00 \$55.00 \$2,500.00 \$9,000.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$0.00 \$0.00 \$0.00 \$862,125.00 \$0.00 \$0.00	\$0	\$517.877.
8		6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.29 6.21 Park and F 7.1 7.2	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot Garage - 0-3 levels Garage - 4+ levels truction Subtotal (Lines)	LF SF SF SF SF SF SF LF Space Space	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$16.00 \$10.00 \$55.00 \$2,500.00 \$9,000.00 \$11,000.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$0.00 \$0.00 \$0.00 \$862,125.00 \$0.00 \$0.00	\$0 \$ 41,430,186	\$517,877,
8	8	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.21 6.21 Park and F 7.1 7.2 7.3 Civil Const	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot Garage - 0-3 levels Garage - 4+ levels truction Subtotal (Lines)	LF SF SF SF SF SF SF LF Space Space	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$16.00 \$10.00 \$55.00 \$2,500.00 \$9,000.00 \$11,000.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$0.00 \$0.00 \$0.00 \$862,125.00 \$0.00 \$0.00 \$0.00 \$0.00		
8 9	8 9	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19 6.2 6.21 Park and F 7.1 7.2 7.3 Civil Const Mobilizatio Subtotal	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot Garage - 0-3 levels Garage - 4+ levels truction Subtotal (Lines	LF SF SF SF SF SF SF LF Space Space	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00 \$16.00 \$10.00 \$55.00 \$2,500.00 \$9,000.00 \$11,000.00	\$0.00 \$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$0.00 \$0.00 \$0.00 \$862,125.00 \$0.00 \$0.00 \$0.00 \$0.00		
8 9 1	8 9 10	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19 6.2 6.21 Park and F 7.1 7.2 7.3 Civil Const Mobilizatio Subtotal Constructio	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot Garage - 0-3 levels Garage - 4+ levels truction Subtotal (Lines on - (Lines 8 & 9)	LF SF SF SF SF SF SF LF Space Space Space	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00 \$16.00 \$10.00 \$55.00 \$2,500.00 \$9,000.00 \$11,000.00	\$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ 41,430,186 \$	559,307,
£ 9 1 1	8 9 10 11	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19 6.2 6.21 Park and F 7.1 7.2 7.3 Civil Const Mobilizatio Subtotal Constructio	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot Garage - 0-3 levels Garage - 4+ levels truction Subtotal (Lines on - (Lines 8 & 9) on Contingency on Total (Lines 10 & 11	LF SF SF SF SF SF SF LF Space Space Space	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00 \$16.00 \$10.00 \$55.00 \$9,000.00 \$11,000.00	\$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ 41,430,186 \$ \$ 178,978,405 \$	\$517,877, 559,307, 738,285,
£ 9 1 1	8 9 10 11	6.11 6.12 6.13 6.14 6.15 6.16 6.17 6.18 6.19 6.2 6.21 Park and F 7.1 7.2 7.3 Civil Const Mobilizatio Subtotal Constructio	Tunnel Tie-back Retaining Wall MSE Retaining Wall CIP wall <10' hgt CIP wall 10'-15' hgt CIP wall 15'-20' hgt CIP wall 20'-25' hgt Soundwalls Soundwall Relocation Soundwall Demolation Concrete Barrier Ride Surface Lot Garage - 0-3 levels Garage - 4+ levels truction Subtotal (Lines on - (Lines 8 & 9) on Contingency	LF SF SF SF SF SF SF LF Space Space Space	0 0 14,780 25,250 24,500 460 0 0 15,675	\$29.00 \$35.00 \$40.00 \$47.00 \$55.00 \$23.00 \$16.00 \$10.00 \$55.00 \$9,000.00 \$11,000.00	\$0.00 \$0.00 \$517,300.00 \$1,010,000.00 \$1,151,500.00 \$25,300.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$ 41,430,186 \$ \$ 178,978,405	559,307,

I-5 Trade Corridor - Phase II

Corridor Section: 10-Lane Br. (Victory to Mill Plain)

Option 6

Date:

10-Sep-01

FIGHT OF WAY/REAL ESTATE				Unit	Quantity	Cost	Total		
1.2 Residential SF	RIG	GHT OF WAY	/REAL ESTATE					\$13,699,070	
1.3 House Displacements	1	1.1	Commercial	SF	224,709	\$25	\$5,617,725		
1.4 Open Lands		1.2	Residential	SF	0	\$15	\$0		
1.5 Railroad R/W SF		1.3	House Displacements	LS	1	\$6,000,000	\$6,000,000		
Substate		1.4	Open Lands	SF	167,195	\$5.00	\$835,975		
CIVIL CONSTRUCTION		1.5	Railroad R/W	SF	0	\$1.50	\$0		
CIVIL CONSTRUCTION	2		Subtotal				\$12,453,700		
Utility Reducations	3		Engineering & Admin	LS	10%	\$1,245,370			
1.1 Urban Corridor M	CIV	VIL CONSTRU	JCTION	Unit	Quantity	Cost	Total		
1.2	1	Utility R	elocations				975 000	\$15,750,000	
1.3				M			\$15,750,000		
2 General Excavation 2.1 General Excavation CY 384,560 514,00 \$5,383,840,00 \$5,383,840 \$3 Surfacing / Paving ACP SY 191,722 \$55,00 \$11,811,930 \$11,811,930 \$11,811,930 \$11,811,930 \$11,811,930 \$11,811,930 \$11,811,930 \$12,200 \$132,00 \$13,000 \$10,0			·			0 0			
2-1 General Excavation CY 384,560 \$14.00 \$5,383,840.00 \$11,811,930 \$1.00 \$1.		1.3	Lane Addition	M	0.0	\$125,000.00	\$0		
3 Surfacing / Paving 3.1 New Surfacing - ACP SY	2			CY	384 560	\$14.00	\$5 383 840 00	\$5,383,840	
3.1 New Surfacing - ACP Sty 181,722 S65.00 \$11,811,930.00				01	004,000	Ψ14.00	ψ0,000,040.00		
(Includes wearing course, base course, agg base, excav to 30° section depth) 3. New Surfacing → CPC SY 0 section depth) 3.3 Overlay Surfacing → CPC SY 0 section depth) 3.3 Overlay Surfacing → CPC SY 0 section depth) 3.4 Sidewalk → PCC SY 0 section depth) 3.4 Sidewalk → PCC SY 0 section depth) 4.1 Drainage Gystem M 10.5 st. 000,000.00 st. 00.00	3		_	CV	101 722	\$65.00	¢11 911 020 00	\$11,811,930	
3.2 New Surfacing - PCC SY 0 S92,00 \$0.00		3.1			Name and Address of the Owner o				
(Includes concrete, agg base, excav fo 7 section depth) 3. Overlay Surfacing – ACP sy		3.2			The state of the s				
3.3 Overlay Surfacing - ACP Sty 0 S6.50 \$0.00					The same of the sa		1		
3.4 Sidewalk-PCC (notudes concrete, excav, agg base) 4 Roadside Development 4.1 Drainage System M 10.5 \$1,000,000.00 \$10,500,000 \$10,500,		3.3	Overlay Surfacing - ACP	SY	0	\$6.50	\$0.00		
(includes concrete, excav, agg base) 4 Roadside Development 4.1 Prainage System M 10.5 \$1,000,000 \$10,500,000 \$10		, and a			The same of the sa	veling course)	tian to the con-		
4 Roadside Development 4.1 Drainage System M 4.2 Restoration of Wetlands AC 0.0 \$170,000.00 \$10,500,000.00 \$10,500,000.00 \$10,500,000.00 \$10,500,000.00 \$4,967,750 5.1 Illumination M 10.5 \$250,000.00 \$1,050,000.00 \$1,050,000.00 \$4,967,750 5.2 Signage M 10.5 \$3100,000.00 \$1,050,000.00 \$1,050,000.00 \$4,967,750 5.3 Signage, supports, sign bridges, and pavement markings) \$1.3 Signalized Intersection EA 4 \$300,000.00 \$1,2		3.4					\$0.00		
4.1 Praimage System 4.2 Restoration of Wetlands AC 0.0 \$1,000,000.00 \$10,500,000.00 \$1,050,000.00 \$1	1	Roadsid			•			\$10,500,000	
4.2 Restoration of Wetlands AC 0.0 \$170,000.00 \$0.00 Traffic Services & Safety 5.1 Illumination M 10.5 \$250,000.00 \$2,625,000.00 \$1,900,000 \$1,900,0	7			M	10.5	\$1,000,000.00	\$10.500.000.00	\$10,500,000	
5.1 Illumination M 1.0.5 \$25,000.00 32,65,000.00 31,000,000.00 30,000.00									
6.1 Illumination M 1.0.5 \$250,000.00 \$2,625,000.00 5.2 Signage (includes signage, supports, sign bridges, and pavement markings) \$3,950,000.00 \$1,050,000.00 5.4 Stripping EA \$300,000.00 \$12,000,000.00 5.4 Stripping EA \$300,000.00 \$12,000,000.00 6 Structures \$570,597,936 \$570,597,936 6.01 Highway overpass \$F 42804 \$100.00 \$4,280,400.00 6.02 Coverland Bridge \$F 662256 \$150.00 \$99,338,400.00 6.03 LowMid level over water \$F 477996 \$275.00 \$114,948,900.00 6.05 Movable lift span \$F 0 \$1670.00 \$200.00 \$500.00 6.05 Movable lift span \$F 0 \$1670.00 \$300.00 \$60.00 6.05 Bridge Demolition \$F 167508 \$438.00 \$73,368,504.00 6.07 Pedestrian Bridge \$F 0 \$140.00 \$0.00 6.08 Bridge Widening \$F 0 \$140.00 \$0.00 6.10 Line and Cover Box \$F 0 \$90.00 \$0.00	5	Traffic 9	Services & Safety					\$4.067.750	
S. Signage				M	10.5	\$250,000,00	\$2 625 000 00	\$4,967,750	
(includes signale, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection EA \$300,000.00 \$1,200,000.00 \$2,2750.00 \$1.4 Stripping									
5.4 Stripping LM 35.0 \$2,650.00 \$92,750.00 8 Structures			(includes signage, suppor	ts, sign br	idges, and pave				
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DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) \$ 220,615,683				4.)		32% o	f Line 10		000 400
	12	Construc	ction Lotal (Lines 10 & 1	1)				\$	882,462,7
TOTAL CAPITAL COST (2001 \$) Lines L12 and III	DES	SIGN ENGINE	ERING & ADMINISTRA	ATION (2	25% of Line	12)		\$ 220,615,683	
	TO	TAL CAPITAL	COST (2001 \$)	ines I 12	and III			\$	1,116,777,4

I-5 Trade Corridor - Phase II

Corridor Section: Tunnel (Victory to Mill Plain)

Option 6

Date:

10-Sep-01 Date of Cost Index: August 2001

Unit Quantity Cost Total RIGHT OF WAY/REAL ESTATE \$10,560,407 142,259 1.1 SF \$25 Commercial \$3,556,475 1.2 Residential SF 0 \$15 \$0 1.3 House Displacements LS 1 \$6,000,000 \$6,000,000 1.4 SF \$5.00 \$43,895 Open Lands 8,779 Railroad R/W 1.5 SF 0 \$1.50 \$0 2 Subtotal \$9,600,370 3 Engineering & Admin LS 10% \$960,037 \$960,037 11. CIVIL CONSTRUCTION Quantity Unit Cost Total **Utility Relocations** \$6,000,000 1.1 Urban Corridor M 4.0 \$1,500,000.00 \$6,000,000 1.2 M 0.0 \$200,000.00 Open Lands \$0 1.3 \$125,000.00 Lane Addition M 0.0 \$0 2 General Excavation \$2,999,640 214,260 General Excavation \$14.00 2.1 CY \$2,999,640.00 3 Surfacing / Paving \$10,975,770 New Surfacing - ACP 168,858 \$10,975,770.00 3.1 SY \$65.00 (includes wearing course, base course, agg base, excav to 30" section depth) 3.2 New Surfacing - PCC SY 0 \$92.00 \$0.00 (includes concrete, agg base, excav to ? section depth) 3.3 \$0.00 Overlay Surfacing - ACP SY 0 \$6.50 (includes surface prep, ACP waring course, and leveling course) 3.4 Sidewalk - PCC \$0.00 SY 0 (includes concrete, excav, agg base) 4 Roadside Development \$4,000,000 4.1 Drainage System 4.0 \$1,000,000.00 \$4,000,000.00 M 4.2 Restoration of Wetlands AC 0.0 \$170,000.00 \$0.00 5 Traffic Services & Safety \$1,438,425 5.1 Illumination 4.0 \$250,000.00 \$1,000,000.00 5.2 Signage M 4.0 \$100,000.00 \$400,000.00 (includes signage, supports, sign bridges, and pavement markings) 5.3 Signalized Intersection \$300,000.00 EA 0 \$0.00 5.4 Stripping \$2,650.00 LM 14.5 \$38,425.00 6 Structures \$421,363,779 SF 118,765 \$11,876,500.00 6.01 Highway overpass \$100.00 6.02 Overland Bridge SF 0 \$150.00 \$0.00 6.03 Low/Mid level over water SF 0 \$275.00 \$0.00 6.04 High level over water SF 0 \$325.00 \$0.00 6.05 Movable lift span SF 0 \$1,670.00 \$0.00 6.06 Double Deck over water SF 0 \$438.00 \$0.00 6.07 Pedestrian Bridge SF \$140.00 \$0.00 6.08 Bridge Widening SF 0 \$154.00 \$0.00 84,800 6.09 Bridge Demolition SF \$25.73 \$2,181,904.00 6.1 Cut and Cover Box LF 0 \$0.00 6.11 Tunnel LF 8,970 \$44,900.00 \$402,753,000.00 6.12 Tie-back Retaining Wall SF \$90.00 0 \$0.00 6.13 MSE Retaining Wall SF 0 \$29.00 \$0.00 SF \$624,750.00 6.14 CIP wall <10' hgt 17,850 \$35.00 6.15 CIP wall 10'-15' hgt SF 32,740 \$40.00 \$1,309,600.00 6.16 CIP wall 15'-20' hgt SF 35,575 \$47.00 \$1,672,025.00 SF 6.17 CIP wall 20'-25' hgt 12,150 \$55.00 \$668,250.00 6.18 Soundwalls SF 0 \$23.00 \$0.00 6.19 Soundwall Relocation SF 0 \$16.00 \$0.00 6.2 Soundwall Demolation SF 0 \$10.00 \$0.00 6.21 Concrete Barrier LF 5,050 \$55.00 \$277,750.00 7 Park and Ride \$0 7.1 Surface Lot 0 \$2,500.00 Space \$0.00 7.2 Garage - 0-3 levels Space 0 \$9,000.00 \$0.00 7.3 Garage - 4+ levels Space 0 \$11,000.00 \$0.00 8 Civil Construction Subtotal (Lines 1 through 7) \$446,777,614 9 Mobilization 8% of Line 8 35,742,209 \$ Subtotal (Lines 8 & 9) 10 482,519,823 11 Construction Contingency 32% of Line 10 154,406,343 Construction Total (Lines 10 & 11) 12 636,926,167 11. DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12) 159,231,542 ٧. TOTAL CAPITAL COST (2001 \$) Lines I, 12 and III 806,718,115

I-5 Trade Corridor - Phase II

Corridor Section: 6-Lane Br. (Victory to Mill Plain)

Option 7

Date:

10-Sep-01

			Unit	Quantity	Cost	Total		
RIGHT	OF WAY/F	REAL ESTATE					\$17,364,677	
1	1.1	Commercial	SF	292,121	\$25	\$7,303,025		
	1.2	Residential	SF	0	\$15	\$0		
	1.3	House Displacements	LS	1	\$8,000,000	\$8,000,000		
	1.4	Open Lands	SF	96,609	\$5.00	\$483,045		
	1.5	Railroad R/W	SF	0	\$1.50	\$0		
2		Subtotal				\$15,786,070		
3		Engineering & Admin	LS	10%	\$1,578,607	\$1,578,607		
CIVIL	CONSTRUC		Unit	Quantity	Cost	Total		
1	Utility Re	Ocations Urban Corridor	М	9.0	\$1,500,000.00	\$13,500,000	\$13,500,000	
	1.2	Open Lands	M	0.0	\$200,000.00	\$0		
	1.3	Lane Addition	M	0.0	\$125,000.00	\$0		
2	General F	Excavation					\$844,480	
_	2.1	General Excavation	CY	60,320	\$14.00	\$844,480.00	φ044,400	
3	Surfacing	/ Paving					\$7,403,565	
	3.1	New Surfacing - ACP	SY	107,800	\$65.00	\$7,007,000.00	Ψ1,100,000	
	2.0	(includes wearing course				A. A.		
	3.2	New Surfacing - PCC (includes concrete, agg	SY base exc	av to 2 section	\$92.00 depth)	\$0.00		
	3.3	Overlay Surfacing - ACP		61,010	\$6.50	\$396,565.00		
		(includes surface prep, A						
	3.4	Sidewalk - PCC	SY	0	\$40.00	\$0.00		
		(includes concrete, exca	iv, agg bas	ie)				
4		Development		į.	as:		\$9,102,000	
		Drainage System Restoration of Wetlands	M AC	9.0 0.6	\$1,000,000.00	\$9,000,000.00		
	4.2	Restoration of vvetlands	AU	0.6	\$170,000.00	\$102,000.00		
5		rvices & Safety					\$3,263,950	
		Illumination	M	9.0	\$250,000.00	\$2,250,000.00		
	5.2	Signage (includes signage, suppo	M orte sign h	9.0	\$100,000.00	\$900,000.00		
	5.3	Signalized Intersection	EA	0	\$300,000.00	\$0.00		
	5.4	Stripping	LM	43.0	\$2,650.00	\$113,950.00		
6	Structures	3					\$521,667,810	
		Highway overpass	SF	0	\$100.00	\$0.00	\$321,007,010	
		Overland Bridge	SF	233,550	\$150.00	\$35,032,500.00		
		Low/Mid level over water		801,933	\$275.00	\$220,531,575.00		
		High level over water Movable lift span	SF SF	32,004	\$325.00 \$1,670.00	\$0.00		
		Double Deck over water	SF	475,000	\$438.00	\$53,446,680.00 \$208,050,000.00		
	6.07	Pedestrian Bridge	SF	0	\$140.00	\$0.00		
		Bridge Widening	SF	6,970	\$154.00	\$1,073,380.00		
		Bridge Demolition Cut and Cover Box	SF	0	\$25.73	\$0.00		
		Tunnel	LF LF	0		\$0.00 \$0.00		
		Tie-back Retaining Wall	SF	0	\$90.00	\$0.00		
		MSE Retaining Wall	SF	0	\$29.00	\$0.00		
		CIP wall <10' hgt	SF	13,850	\$35.00	\$484,750.00		
		CIP wall 10'-15' hgt	SF	25,250	\$40.00	\$1,010,000.00		
		CIP wall 15'-20' hgt CIP wall 20'-25' hgt	SF SF	24,500 460	\$47.00	\$1,151,500.00		
		Soundwalls	SF	0	\$55.00 \$23.00	\$25,300.00 \$0.00		
		Soundwall Relocation	SF	0	\$16.00	\$0.00		
	6.2	Soundwall Demolation	SF	0	\$10.00	\$0.00		
	6.21	Concrete Barrier	LF	15,675	\$55.00	\$862,125.00		
7	Park and F		0				\$0	
		Surface Lot Garage - 0-3 levels	Space Space	0	\$2,500.00 \$9,000.00	\$0.00		
		Garage - 4+ levels	Space	0	\$11,000.00	\$0.00 \$0.00		
8	Civil Const	truction Subtotal (Line)	s 1 throug	nh 7)				
9	Mobilizatio	truction Subtotal (Lines n -	s i unoug	ii 1)	8% of	Line 8	\$ 44.462.544	\$555,781,8
10		Lines 8 & 9)			376 01	Life 0	\$ 44,462,544	600,244,3
11		on Contingency			32% of	Line 10	\$ 192,078,192	000,244,0
12		on Total (Lines 10 & 1	1)				\$	792,322,5
DESIGN	ENGINEE	RING & ADMINISTRA	ATION (2	5% of Line 1	2)		\$ 198,080,635	
TOTAL H	HIGHWAY (COST (2001 \$) L	ines I, 12	and III	-		\$	1,007,767,8
			,					1,007,707,0
	Civil Const	TO 5TH ST., VACOUN	VEK)			\$16 300 304 00	\$69,354,524	
2		ruction nicles (4 LRVs)				\$16,300,304.00		
3	Operations					\$12,057,834.00 \$2,007,656.00		
4		ectrification System				\$2,007,656.00		
5	Signals	- Stanication Cystem				\$2,991,811.00		
6	Communica	ations				\$844,353.00		
7	Fare Collec					\$496,002.00		
,		7 T. W. 12 T. W.						
8	Right of wa					\$14,779,182.00		
	Right of wa Engineering Contingence	g & Admin				\$8,738,437.00		

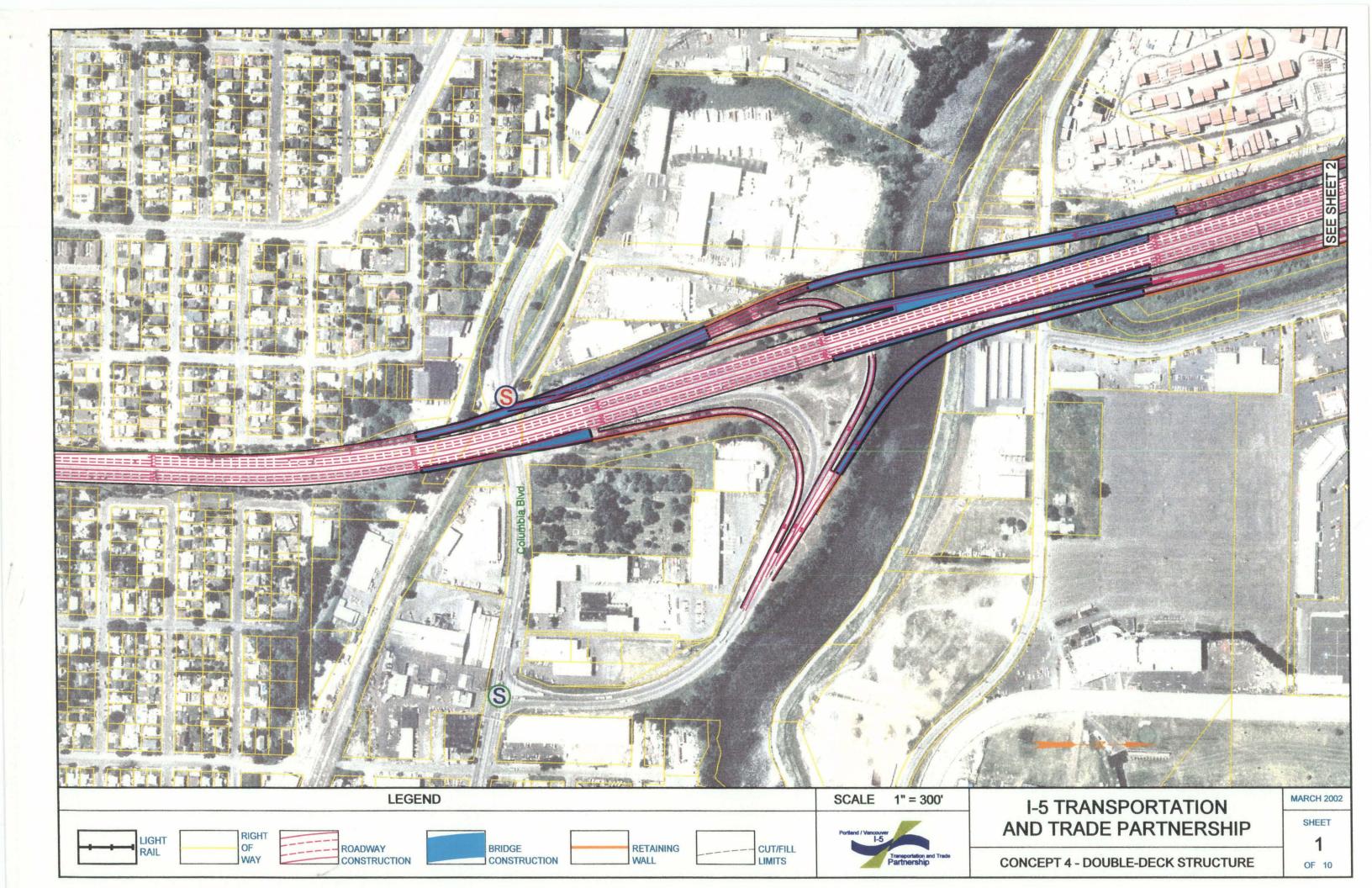
PRELIMINARY ENGINEER'S COST ESTIMATE

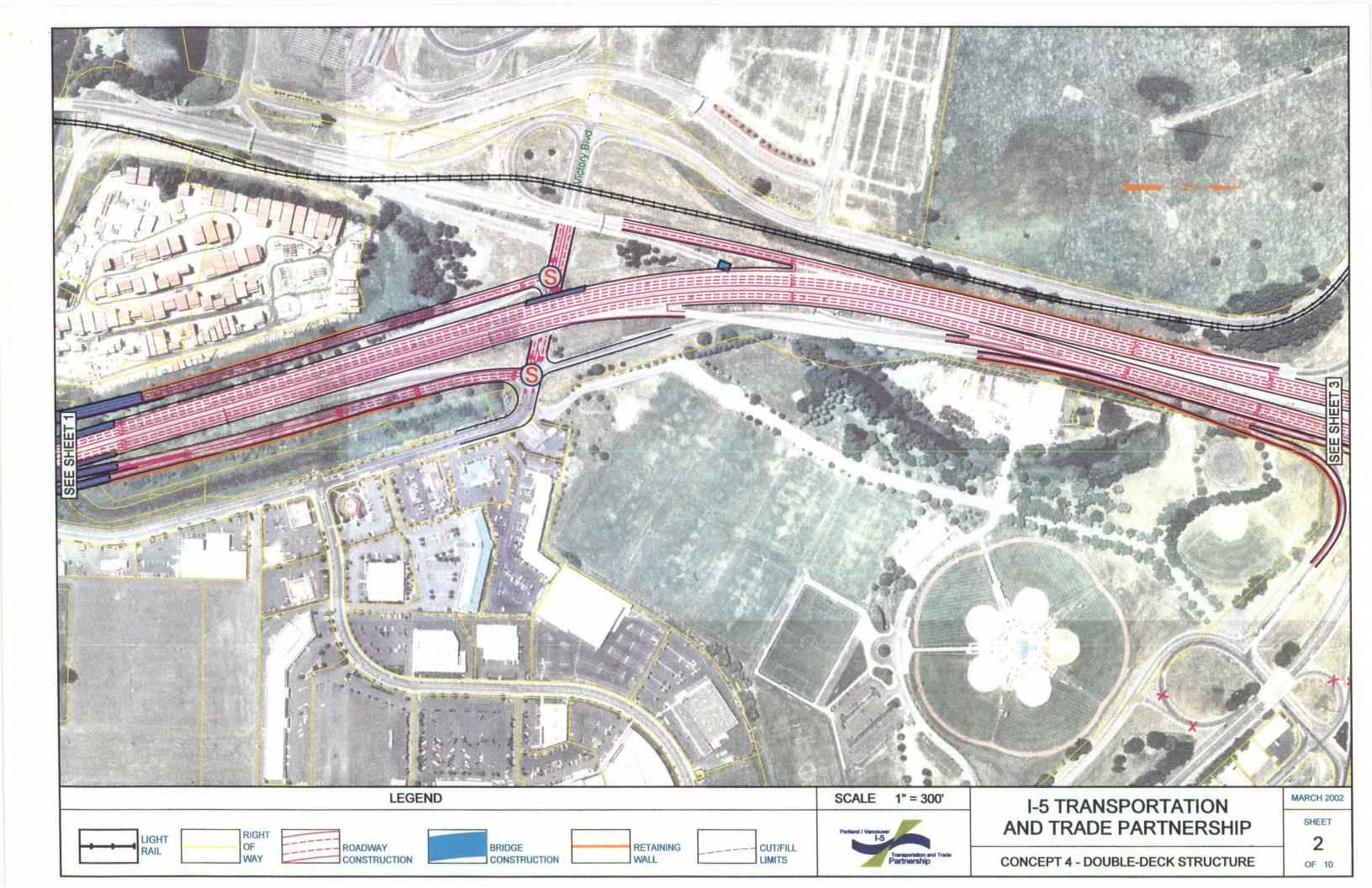
5 Trade Corridor - Phase II corridor Section: Option 8

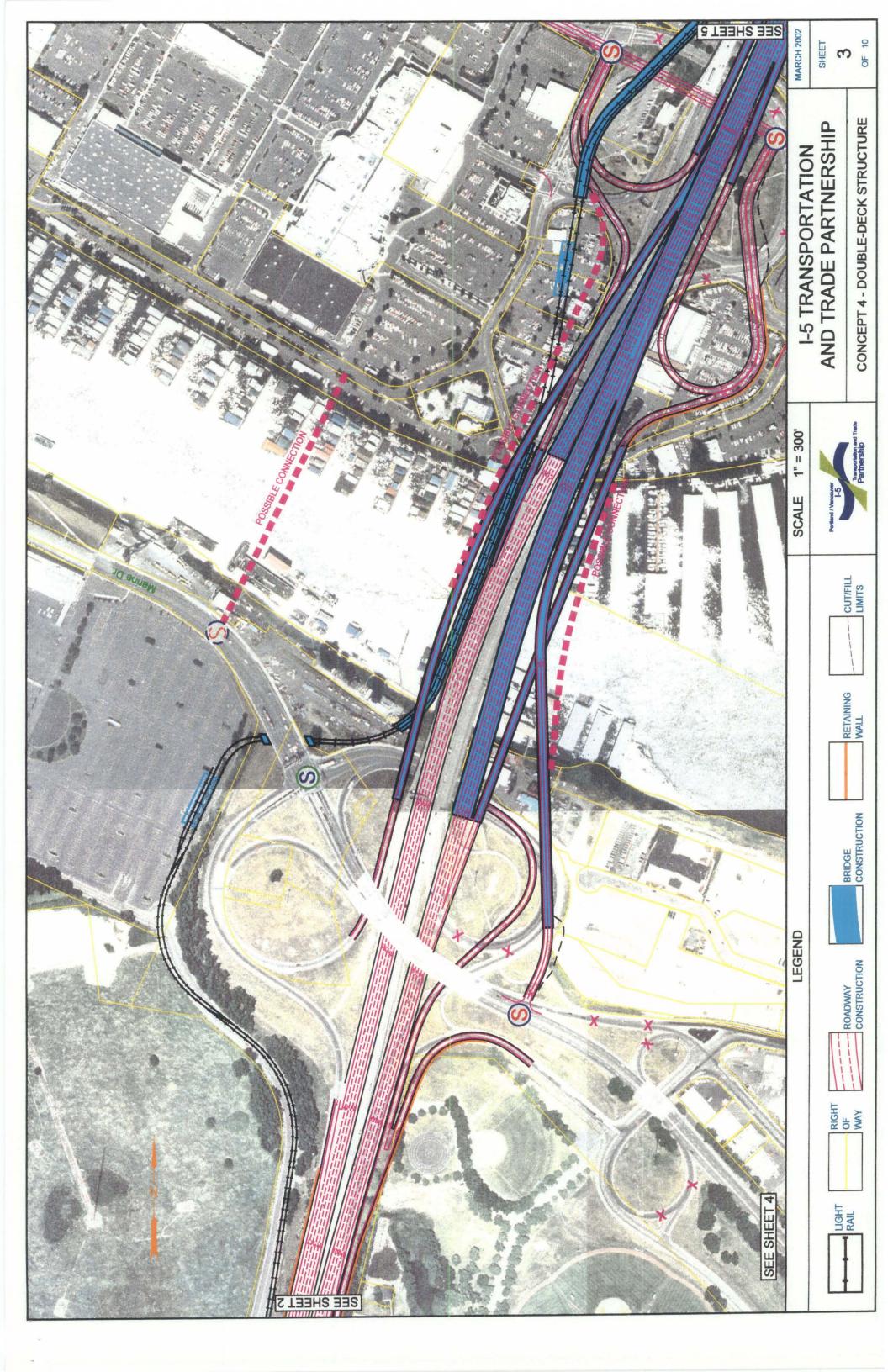
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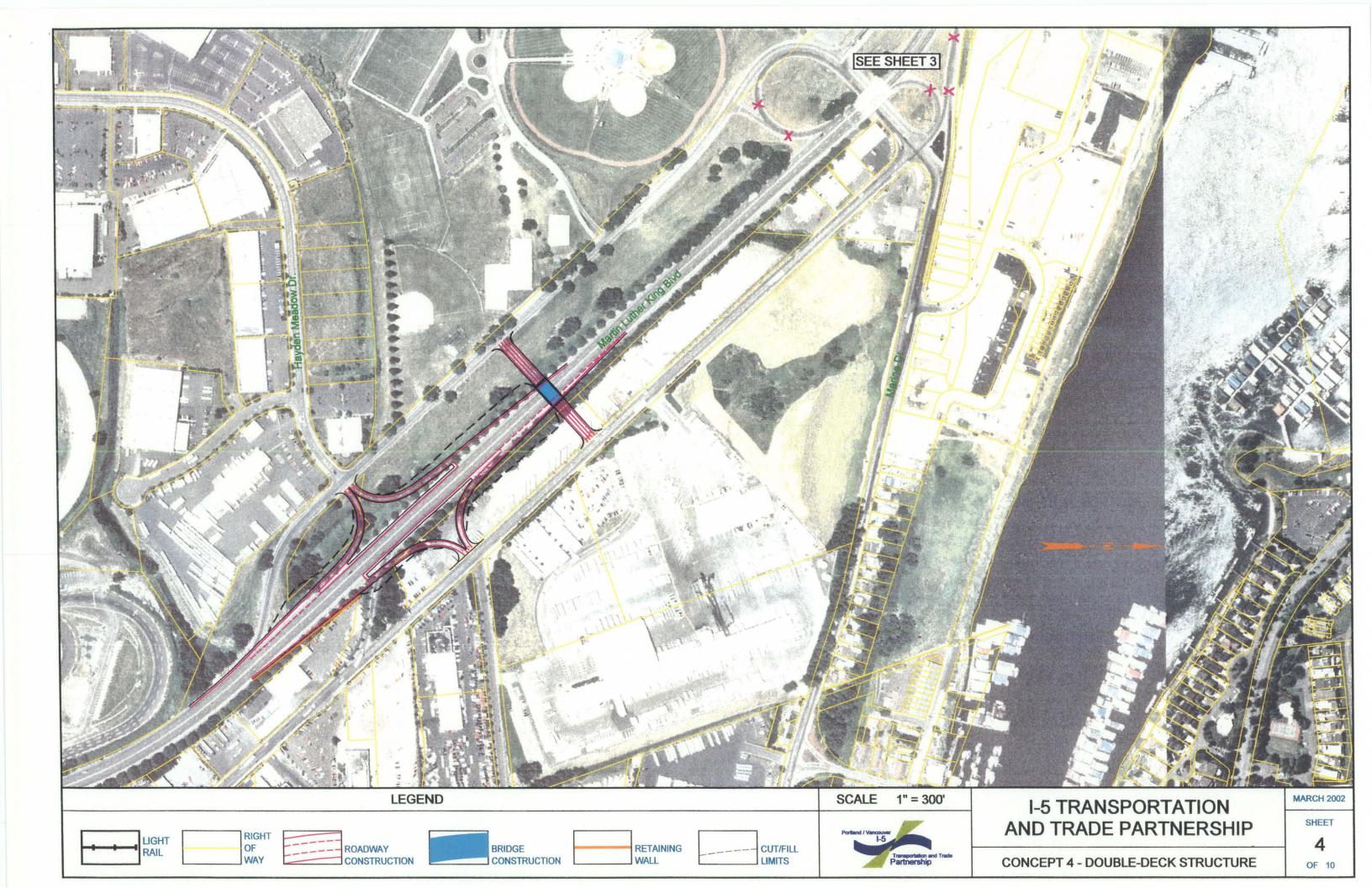
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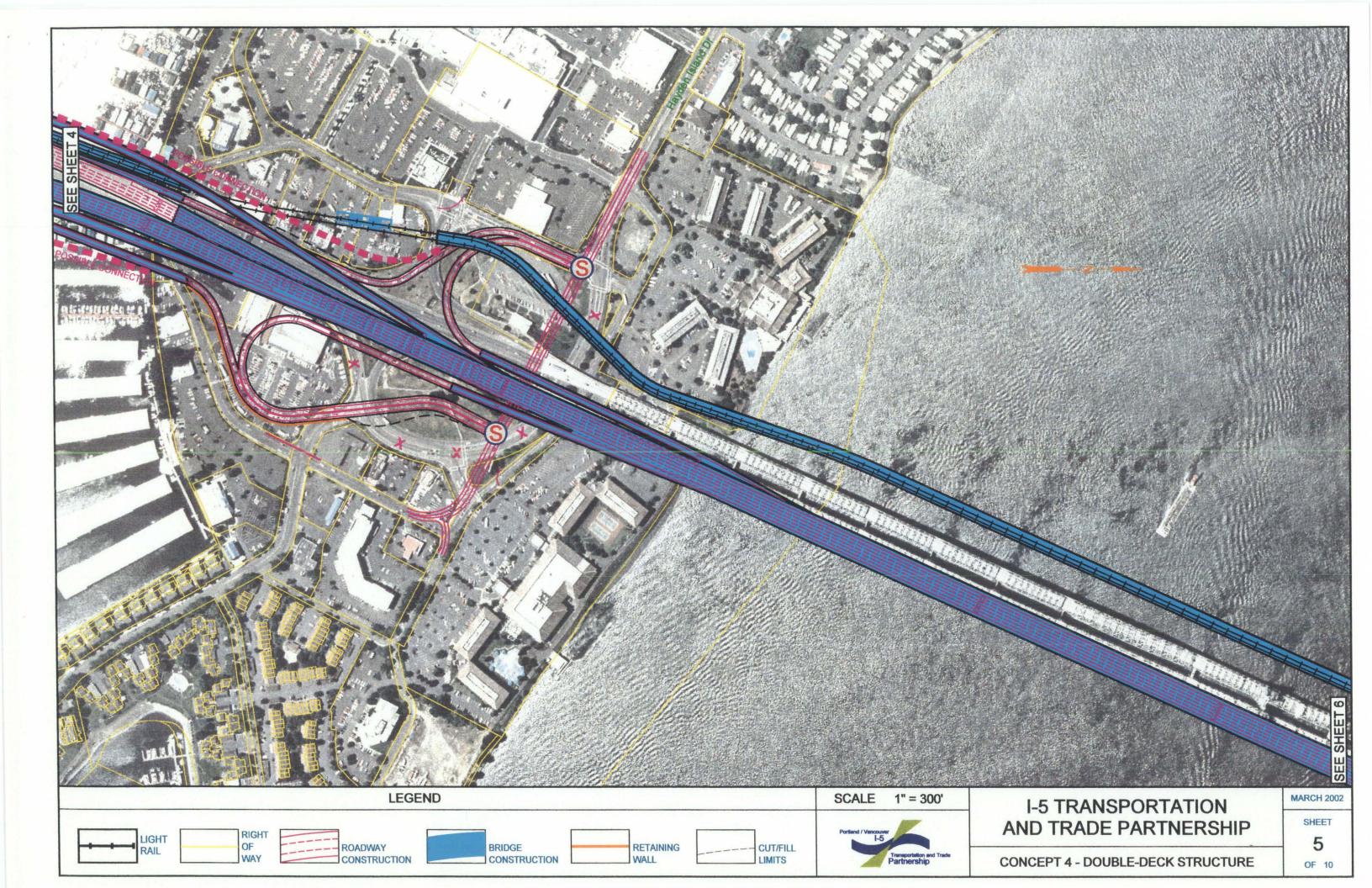
			Unit	Quantity	Cost	Total			
RIGHT C	F WAY/	REAL ESTATE						\$96,184,003	
1	1.1	Commercial	SF	3,100,000	\$25	\$77,500,000			
	1.2	Residential	SF	64,000	\$15	\$960,000			
	1.3	House Displacements	EA	7	\$240,000				
				-		\$1,680,000			
	1.4	Open Lands	SF	809,777	\$5.00	\$4,048,885			
	1.5	Railroad R/W	SF	593,632	\$1.50	\$890,448			
	1.6	Commercial Demolition	SF	236,067	\$10.00	\$2,360,670			
2		Subtotal				\$87,440,003	4.		
3		Engineering & Admin	LS	10%	\$8,744,000	\$8,744,000			
CIVIL CC	ONSTRUC	CTION	Unit	Quantity	Cost	Total			
1	Utility Re		Offic	Quantity	Cost	Total		\$8,400,000	
	1.1	Urban Corridor	M	5.6	\$1,500,000.00	\$8,400,000		φο, 100,000	
	1.2	Open Lands	M	0.0	\$200,000.00	\$0			
	1.3	Lane Addition	M	0.0	\$125,000.00	\$0			
0	Canaral	-vacuation							
	General E	Excavation General Excavation	CY	92,945	\$14.00	\$1,301,230.00		\$1,301,230	
					7	¥1,001,200.00			
	Surfacing		6 14					\$6,638,075	
	3.1	New Surfacing - ACP	SY	91,355	\$65.00	\$5,938,075.00			
		(includes wearing course,							
	3.2	New Surfacing - PCC	SY	to 2 section don	\$92.00	\$0.00			
	3.3	(includes concrete, agg bath overlay Surfacing - ACP	se, excav	to? section dep	\$6.50	\$0.00			
	2.0	(includes surface prep, AC		-		φ0.00			
	3.4	Sidewalk - PCC	SY	17,500	\$40.00	\$700,000.00			
		(includes concrete, excav	agg base)			, , , , , , , , , , , , , , , , , , , ,			
	Roadside	Development						\$9,300,000	
		Drainage System	M	5.6	\$1,000,000.00	\$5,600,000.00		φ9,500,000	
		Restoration of Wetlands	AC	2.0	\$170,000.00	\$3,000,000.00			
		Railroad Relocation	LF	4,800.0	\$700.00	\$3,360,000.00			
	Traffic Sc	rvings & Safaty						40.05	
		rvices & Safety Illumination	M	5.6	\$250,000.00	\$1,400,000.00		\$3,828,900	
		Signage	M	5.6	\$100,000.00	\$560,000.00			
	0.2	(includes signage, support				φυσο,υσο.υσ			
	5.3	Signalized Intersection	EA	6.0	\$300,000.00	\$1,800,000.00			
		Stripping	LM	26.0	\$2,650.00	\$68,900.00			
- 9	Structures							\$447 904 040	*
		Highway overpass	SF	12,900	\$100.00	\$1,290,000.00		\$447,821,313	
		Overland Bridge	SF	755,300	\$150.00	\$1,290,000.00			
		Low/Mid level over water	SF	223,055	\$275.00				
		High level over water	SF	286,300	\$325.00	\$61,340,125.00			
		Movable lift span	SF			\$93,047,500.00			
		Double Deck over water		38,500	\$1,670.00	\$64,295,000.00			
			SF		\$438.00	\$0.00			
		Pedestrian Bridge	SF		\$140.00	\$0.00			
		Bridge Widening	SF	400 0 10	\$154.00	\$0.00			
		Bridge Demolition	SF	106,340	\$25.73	\$2,736,128.20			
		Cut and Cover Box	LF			\$0.00			
		Tunnel	LF	4.000		\$0.00			
		Tie-back Retaining Wall	SF	145,000	\$90.00	\$13,050,000.00			
		MSE Retaining Wall	SF	19,140	\$29.00	\$555,060.00			
		CIP wall <10' hgt	SF		\$35.00	\$0.00			
		CIP wall 10'-15' hgt	SF		\$40.00	\$0.00			
		CIP wall 15'-20' hgt	SF		\$47.00	\$0.00			
		CIP wall 20'-25' hgt	SF		\$55.00	\$0.00			
		Soundwalls	SF		\$23.00	\$0.00			
		Soundwall Relocation	SF		\$16.00	\$0.00			
		Soundwall Demolation	SF		\$10.00	\$0.00			
	6.21	Concrete Barrier	LF		\$55.00	\$0.00			
	6.22	Bridge over Railroad	SF	436,500	\$225.00	\$98,212,500.00			
· F	Park and F	Ride						\$0	
	7.1	Surface Lot	Space		\$2,500.00	\$0.00		Φυ	
	7.2	Garage - 0-3 levels	Space	1 .	\$9,000.00	\$0.00			
		Garage - 4+ levels	Space		\$11,000.00	\$0.00			
	Civil Const	ruction Subtotal (Lines	1 through	7)					A 177
	Aobilizatio		i unough	,)	80/_ of	Line 8	œ.	29 192 200	\$477,290,0
		Lines 8 & 9)			0% OT	LITIE 0	\$	38,183,200	
		on Contingency			0001	Line 10		\$	515,473,2
		on Contingency on Total (Lines 10 & 11)			32% of	Line 10	\$	164,951,424	
C	onetrustic	an rotal trines to a 11						\$	680,424,6
C	Construction	(2.1100 10 0 11)							
C		RING & ADMINISTRA	TION (25	% of Line 12)		\$	170,106,156	

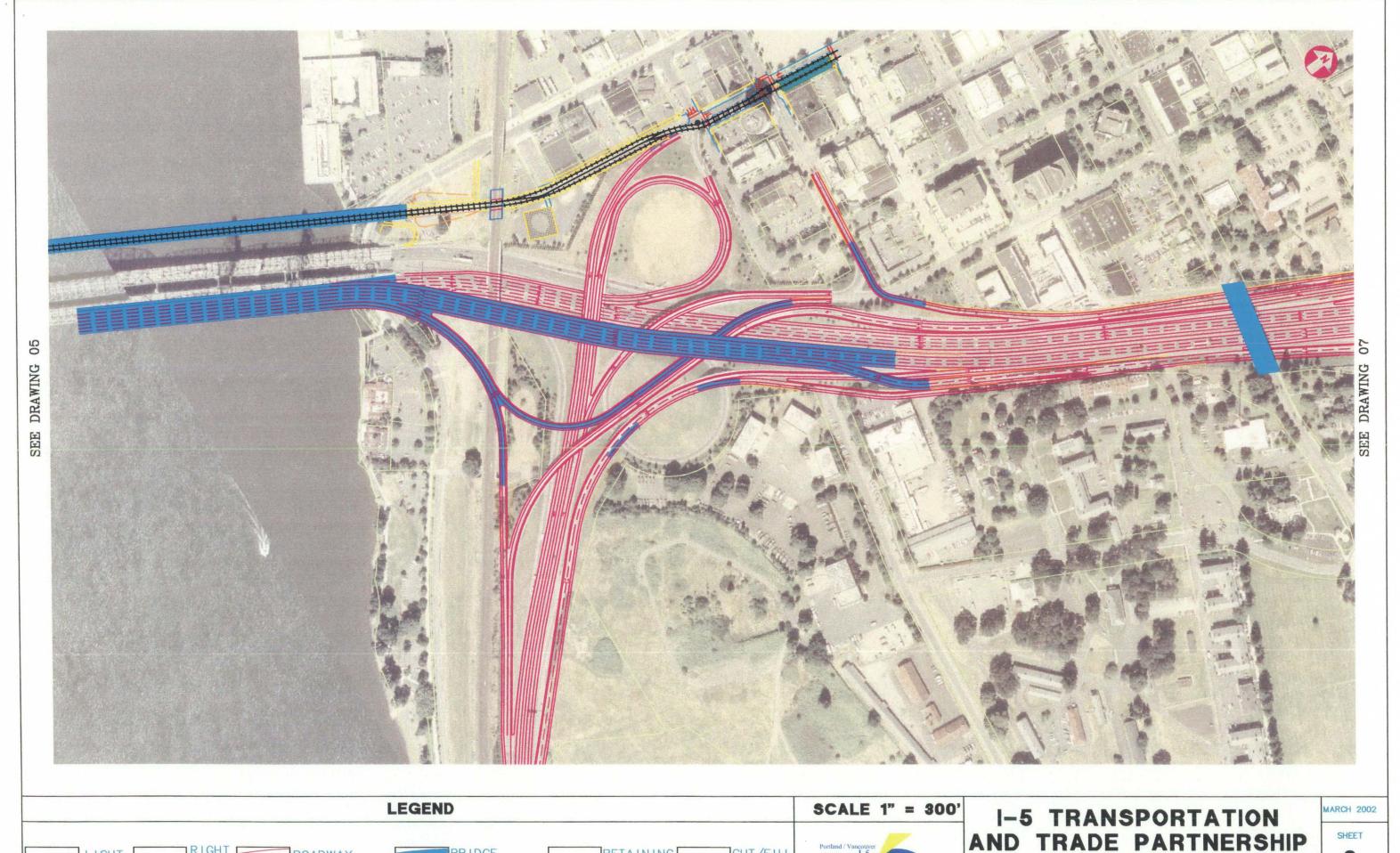








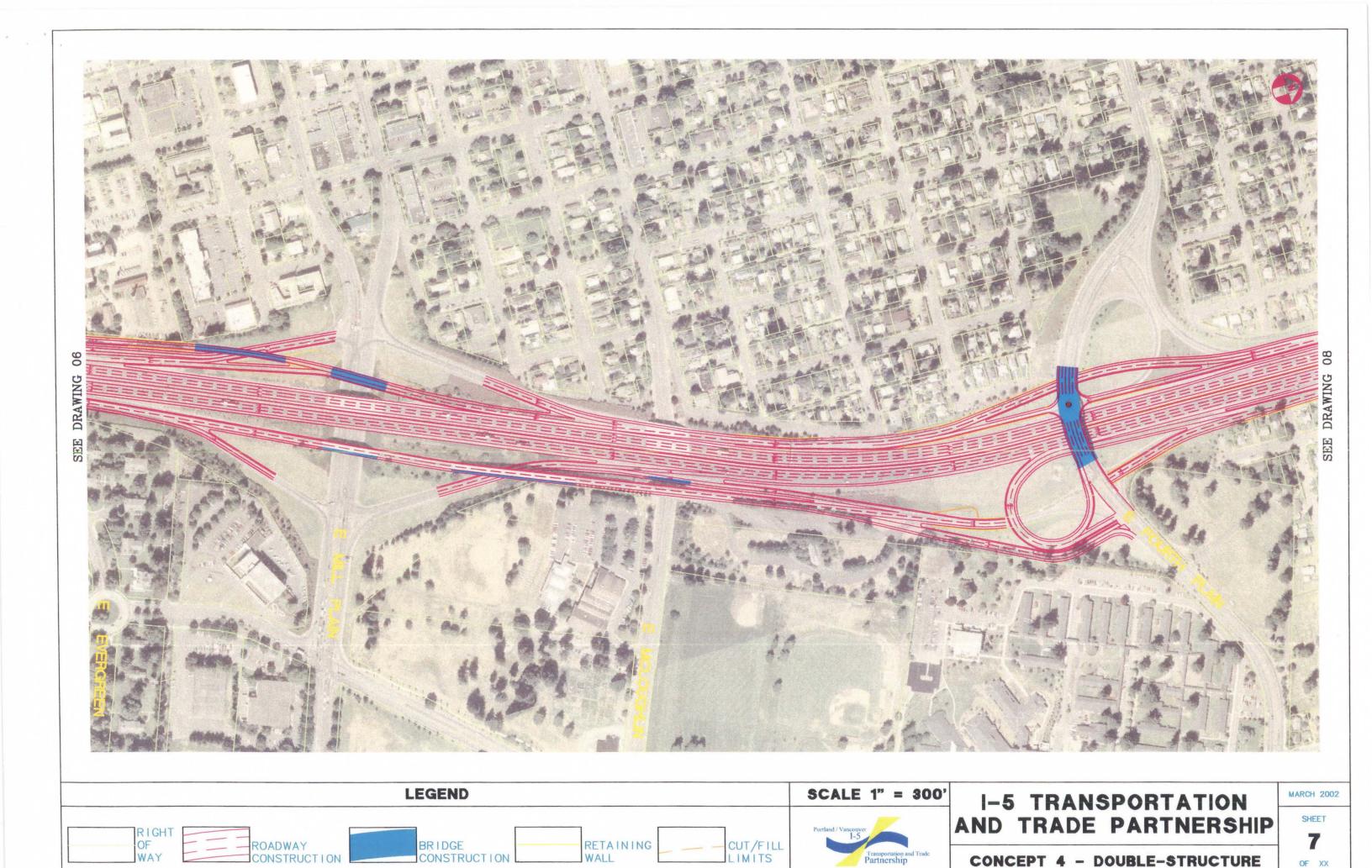


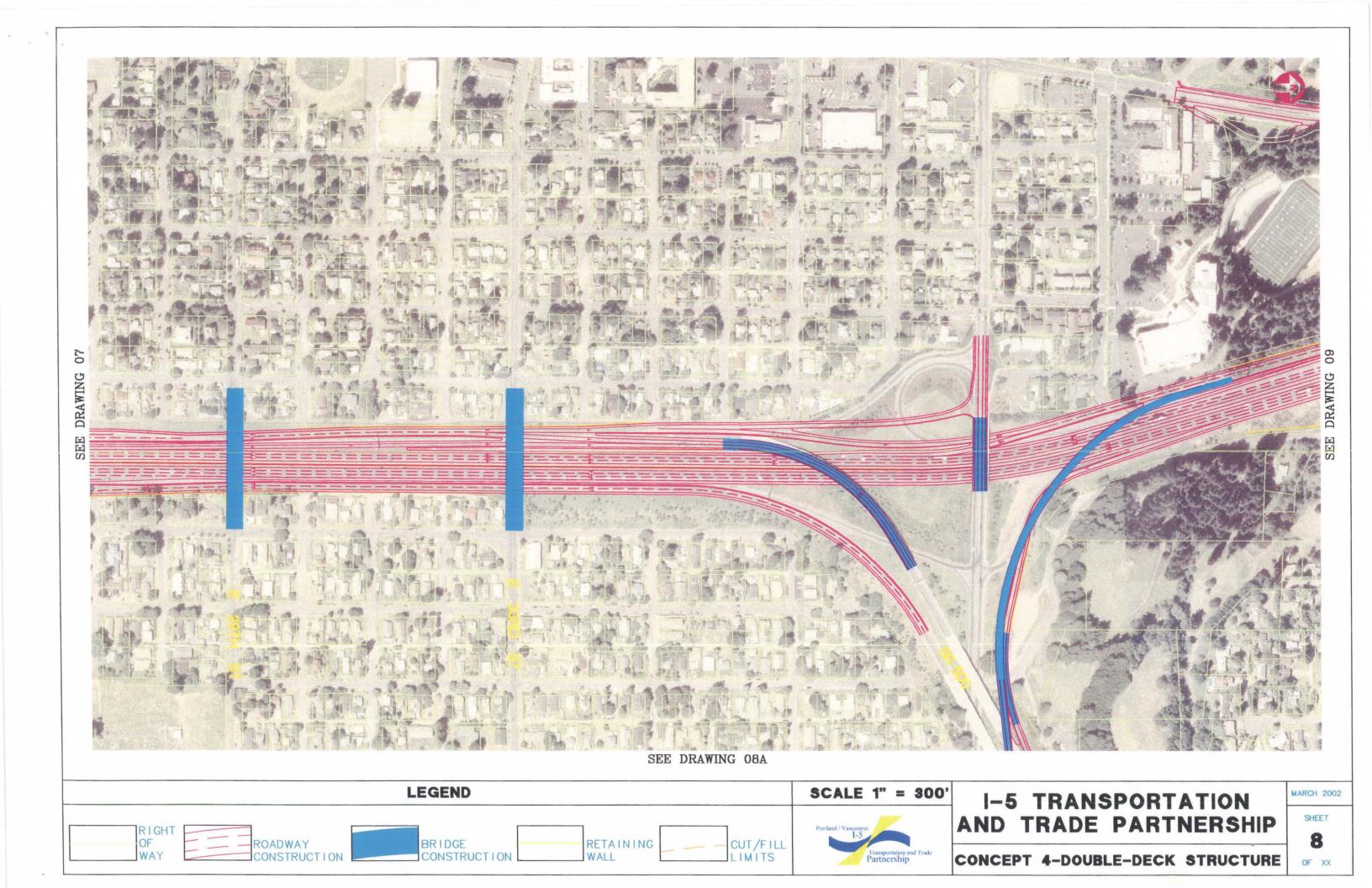


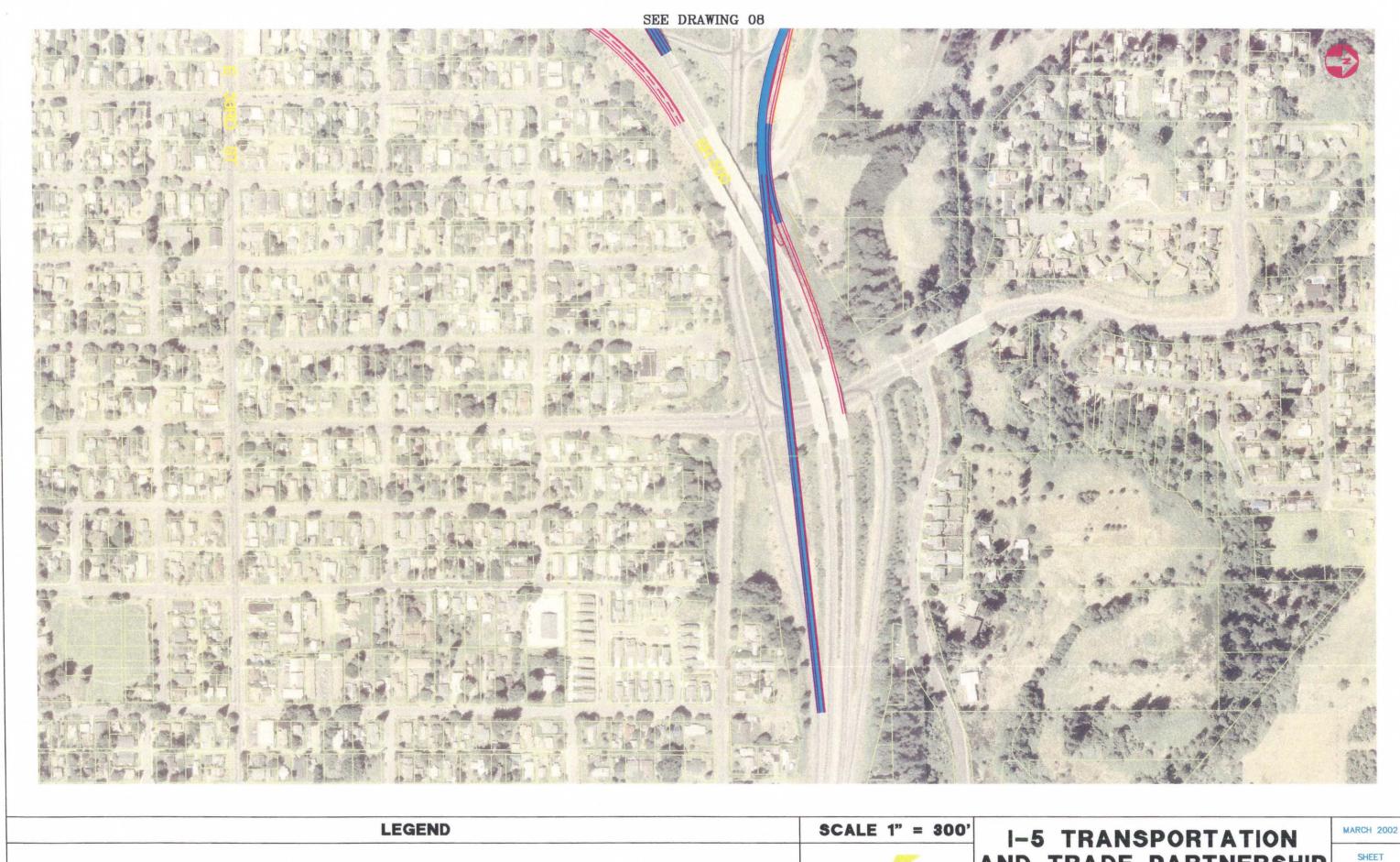
CONCEPT 4 - DOUBLE-DECK STRUCTURE OF XX



CONCEPT 4 - DOUBLE-DECK STRUCTURE OF XX





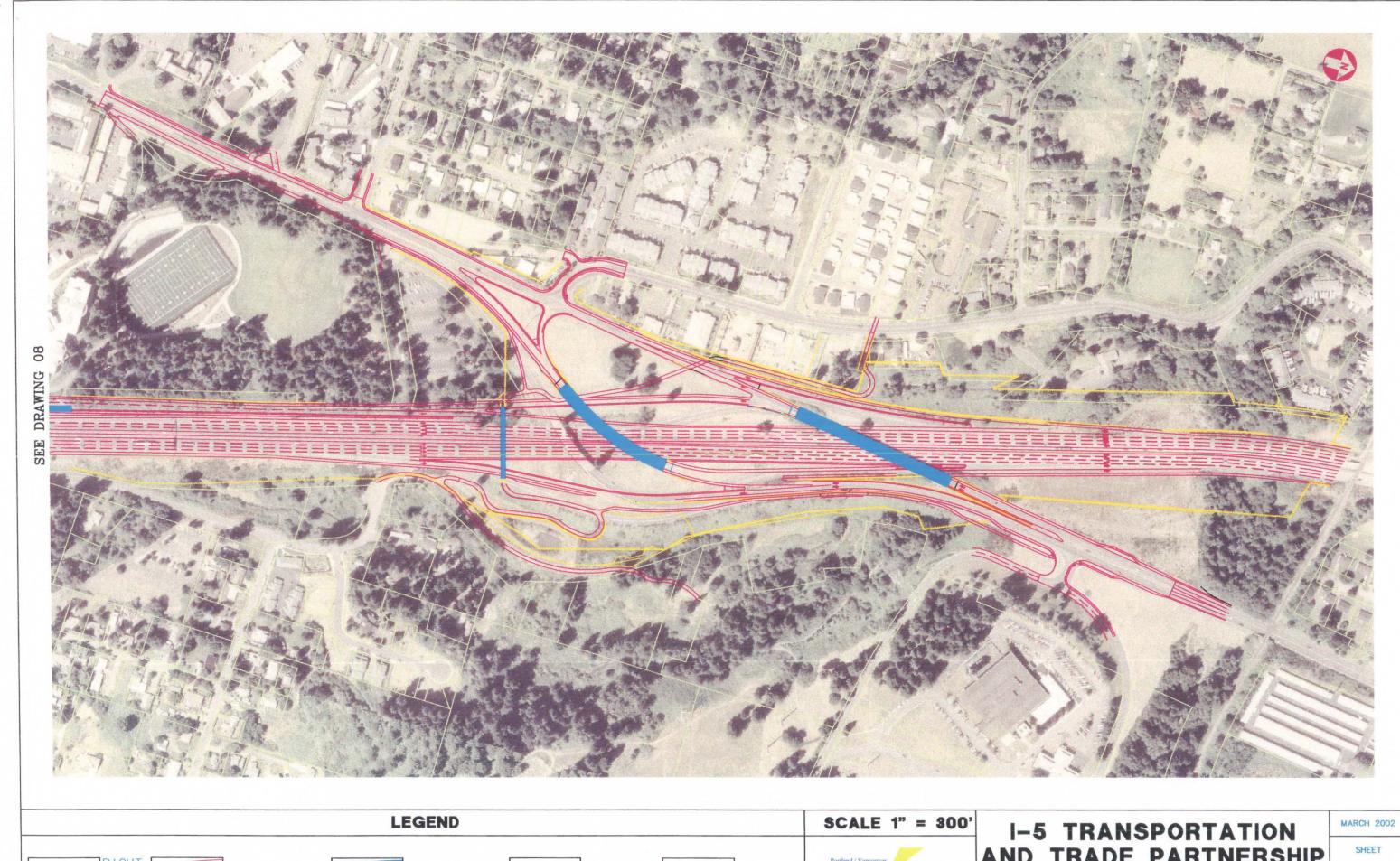


RTGHT OF ROADWAY CONSTRUCTION BRIDGE CONSTRUCTION RETAINING CONSTRUCTION CONCEPT 4-

AND TRADE PARTNERSHIP

SHEET 8A

CONCEPT 4-DOUBLE-DECK STRUCTURE



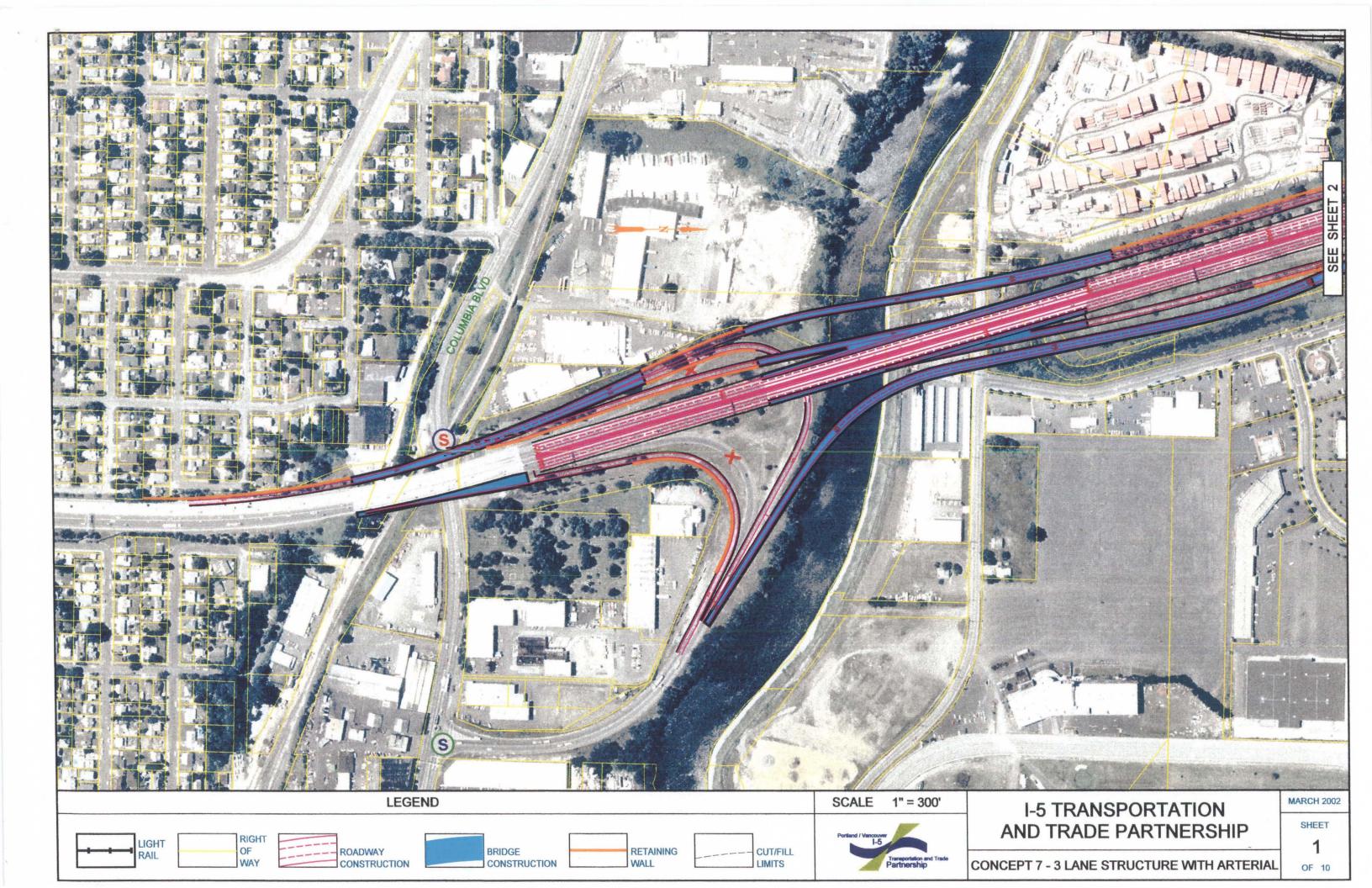
BRIDGE CONSTRUCTION

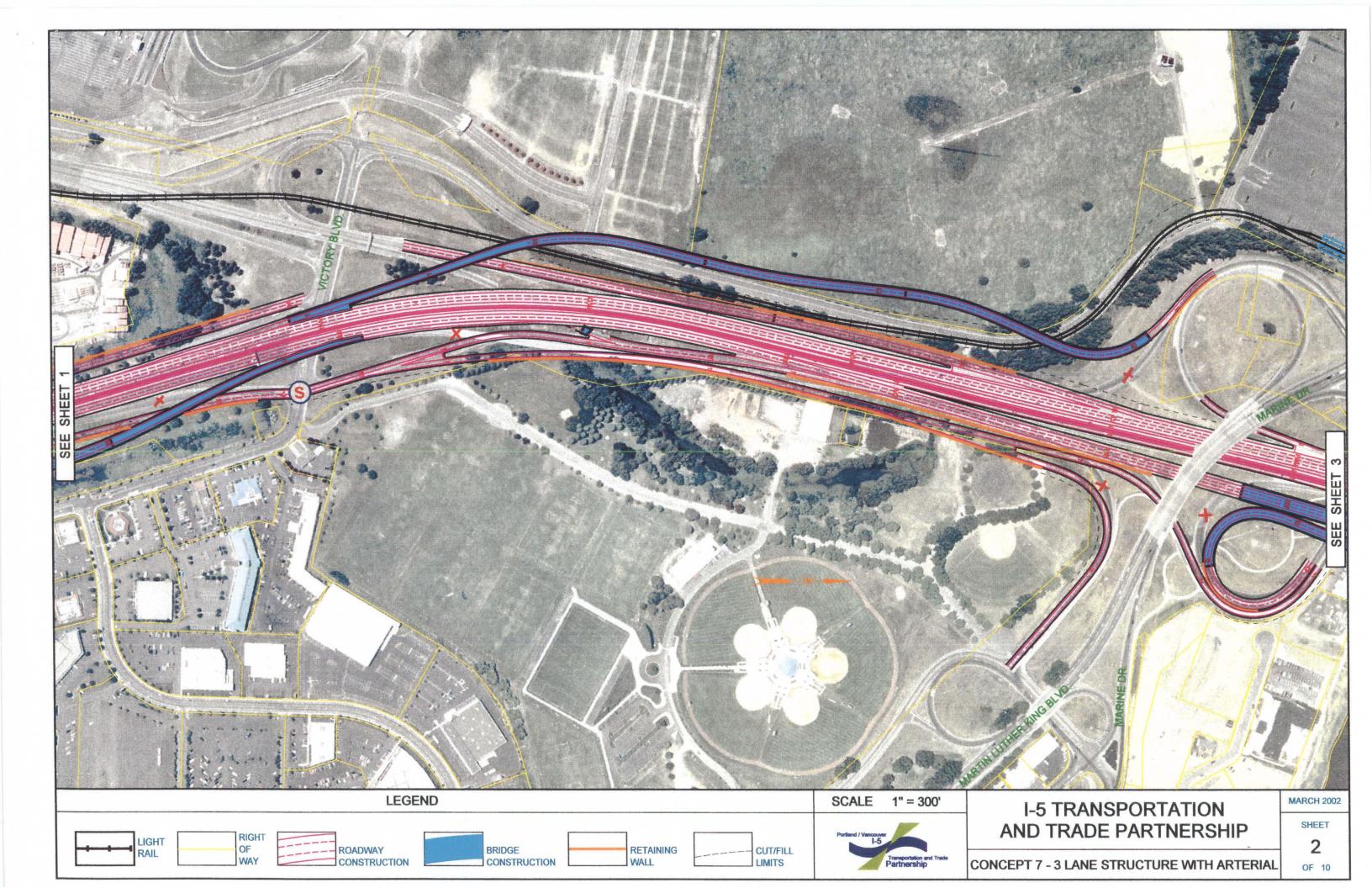
RETAINING WALL

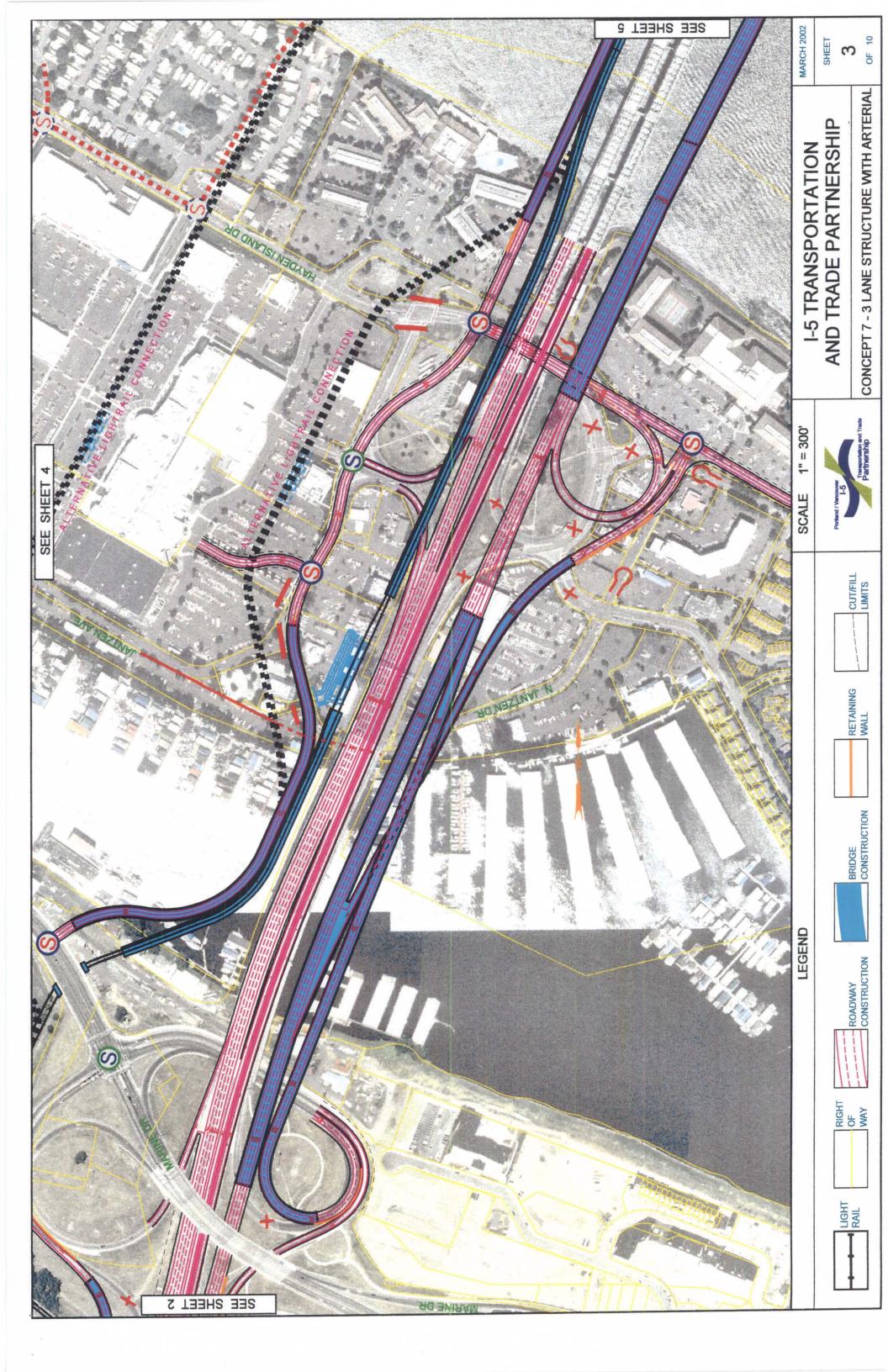


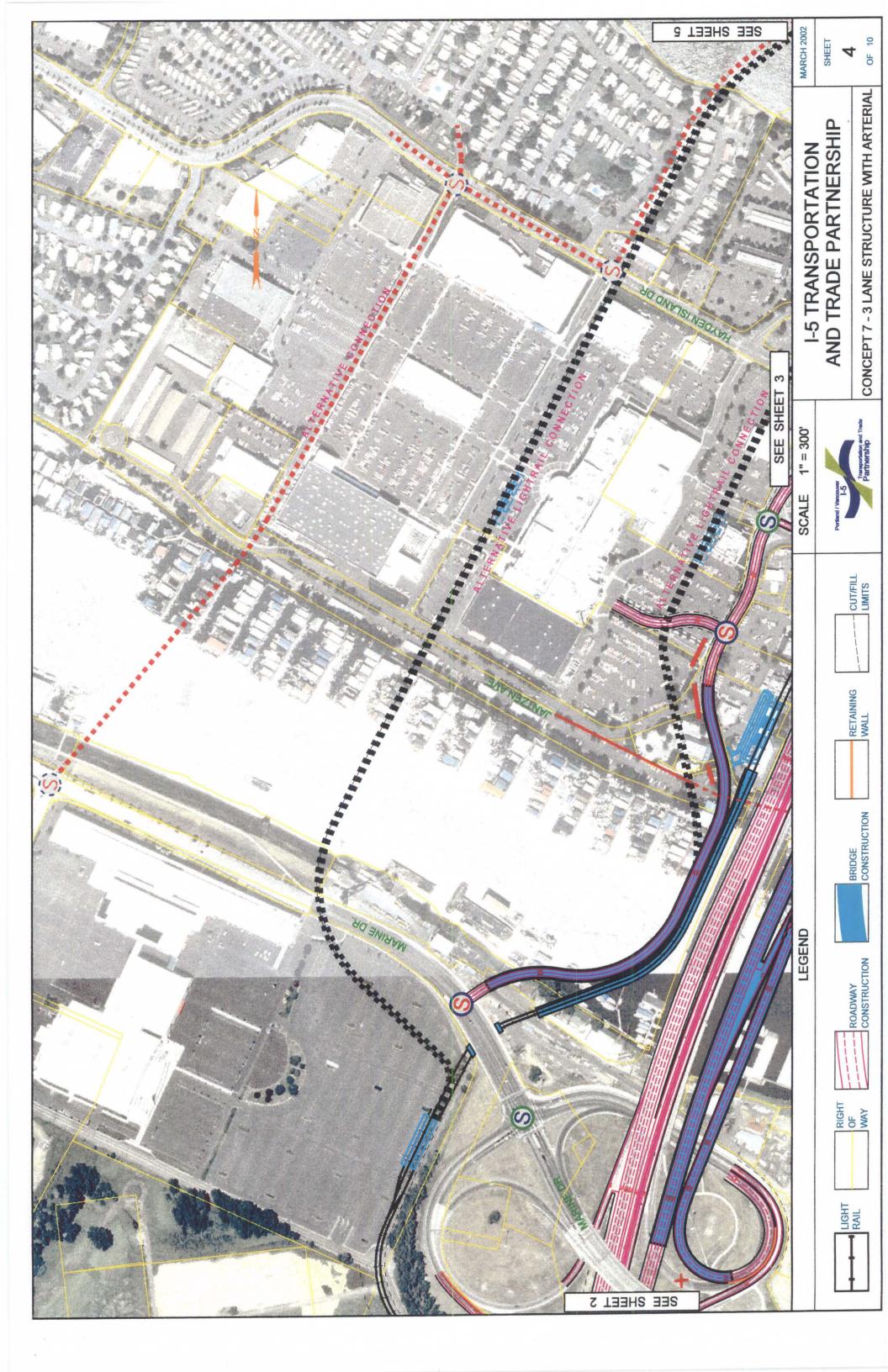
AND TRADE PARTNERSHIP

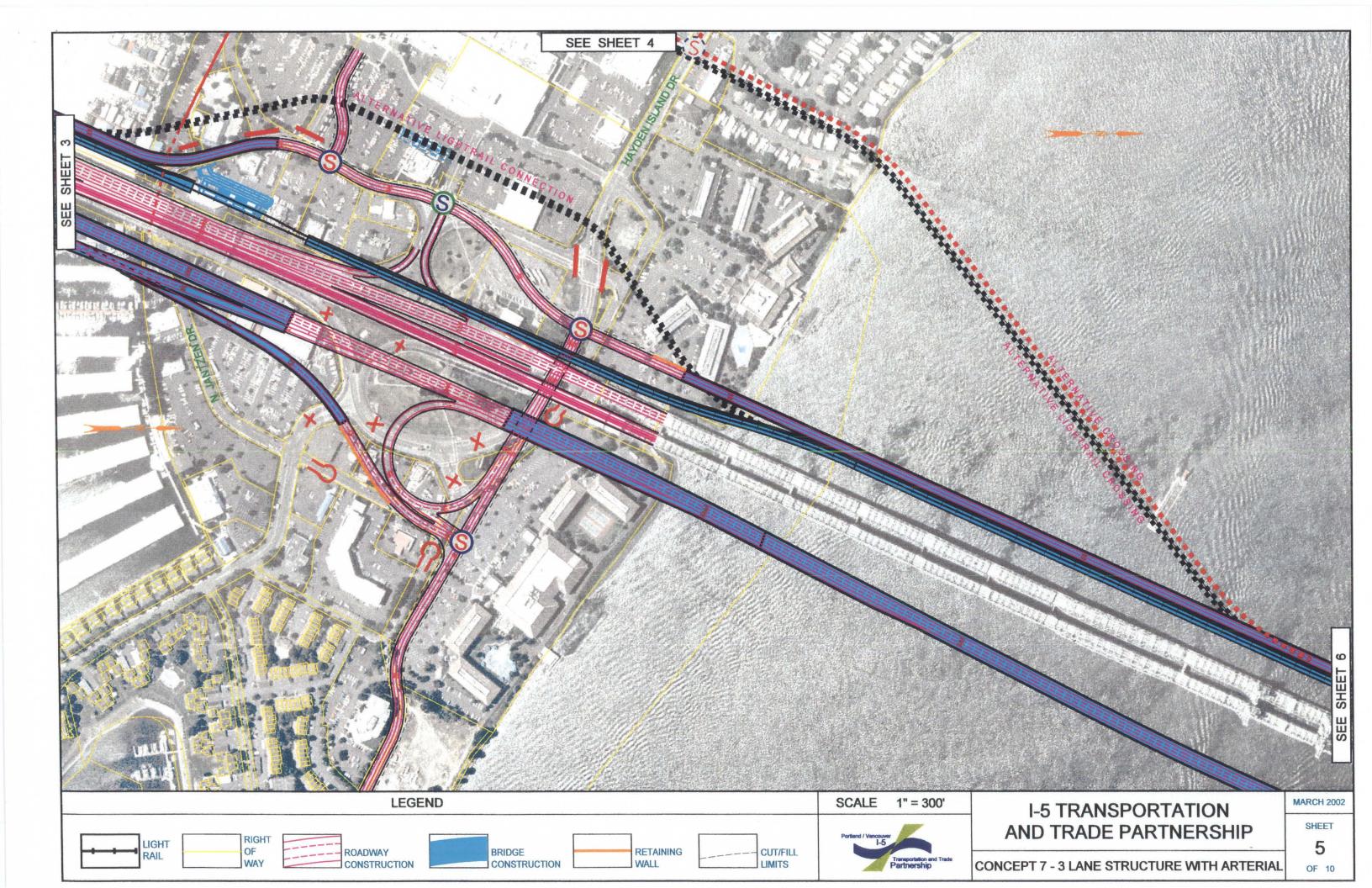
CONCEPT 4-DOUBLE-DECK STRUCTURE







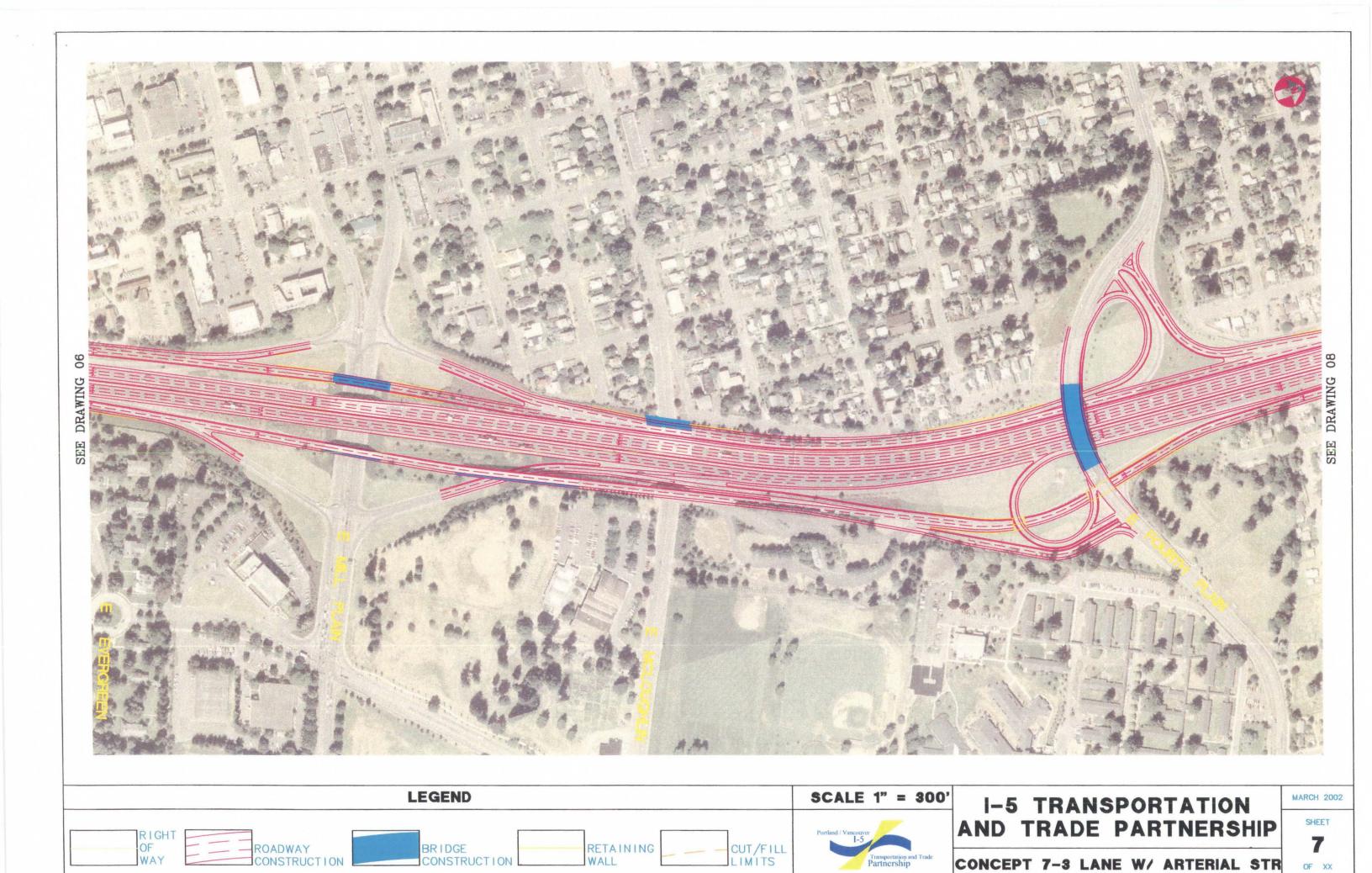


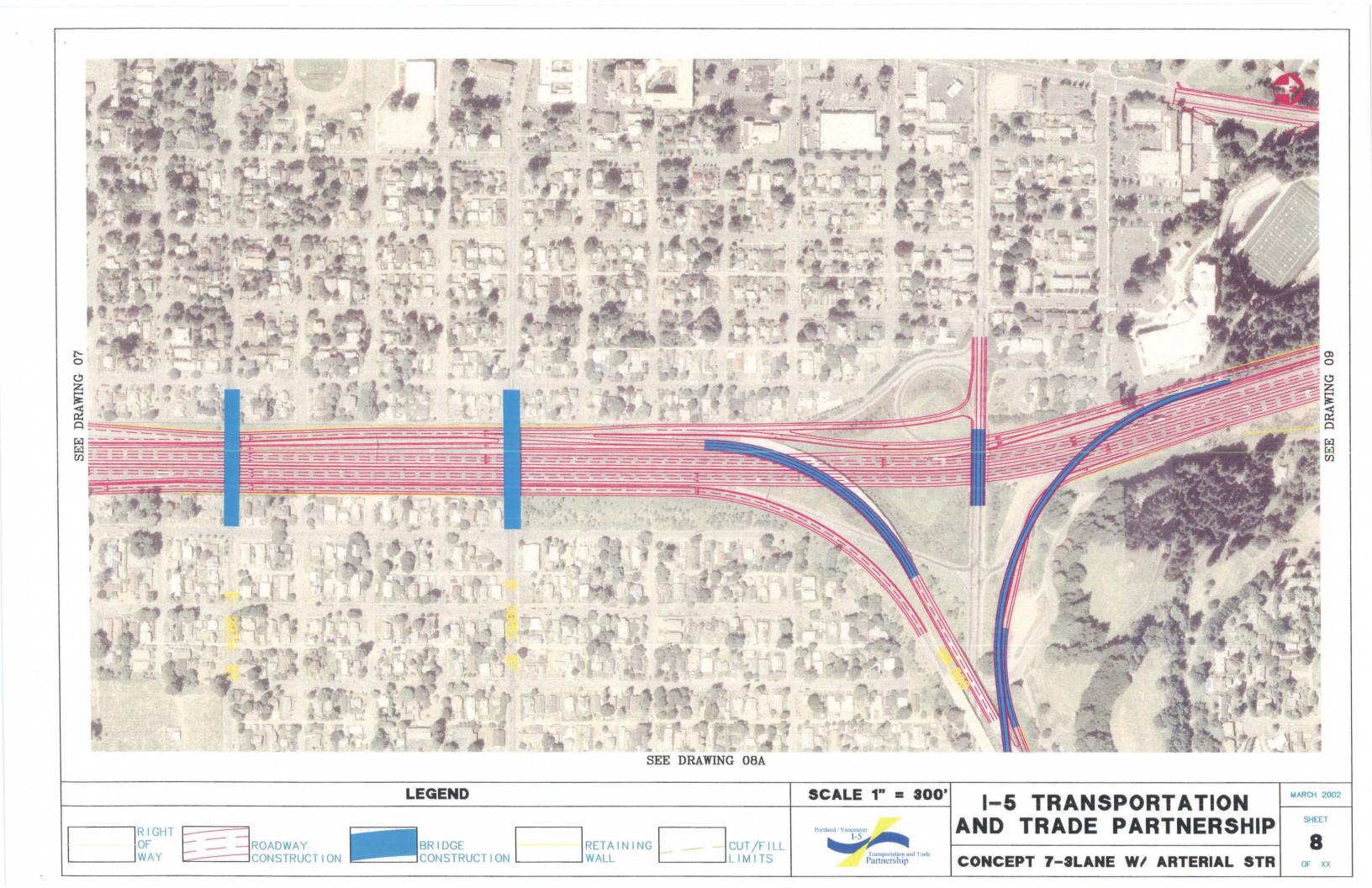


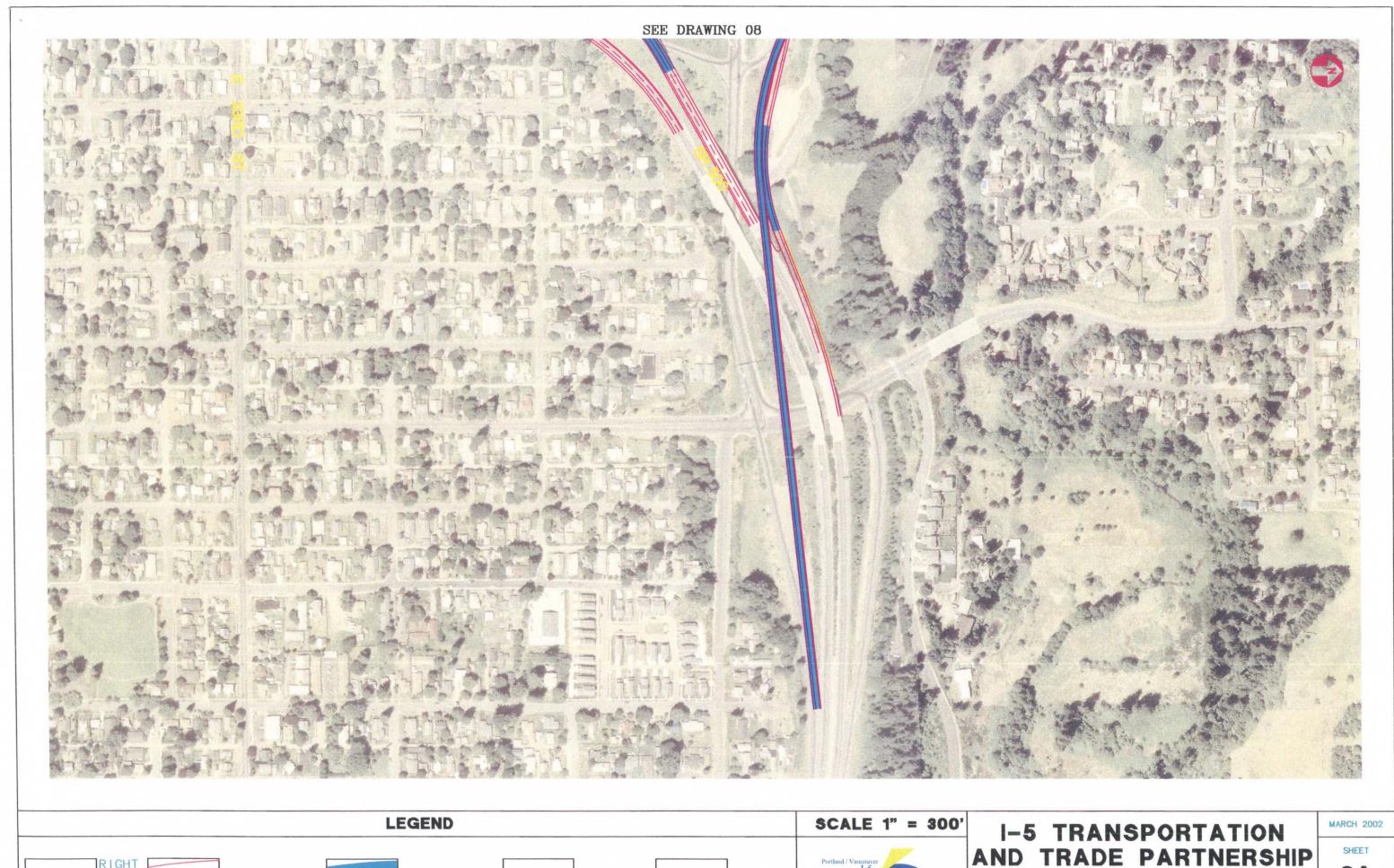
AND TRADE PARTNERSHIP

6

CONCEPT 7-3 LANE W/ ARTERIAL STR

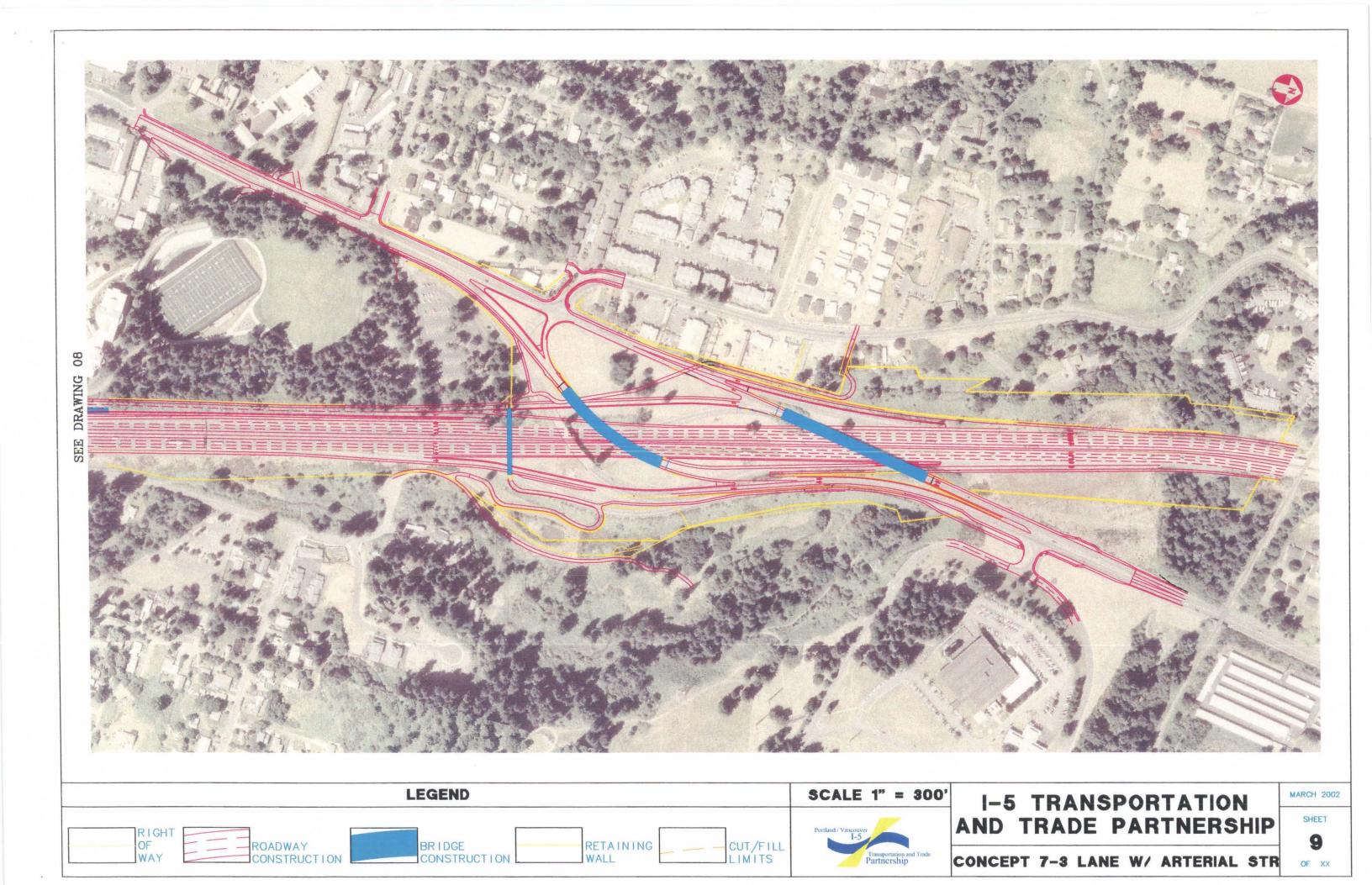


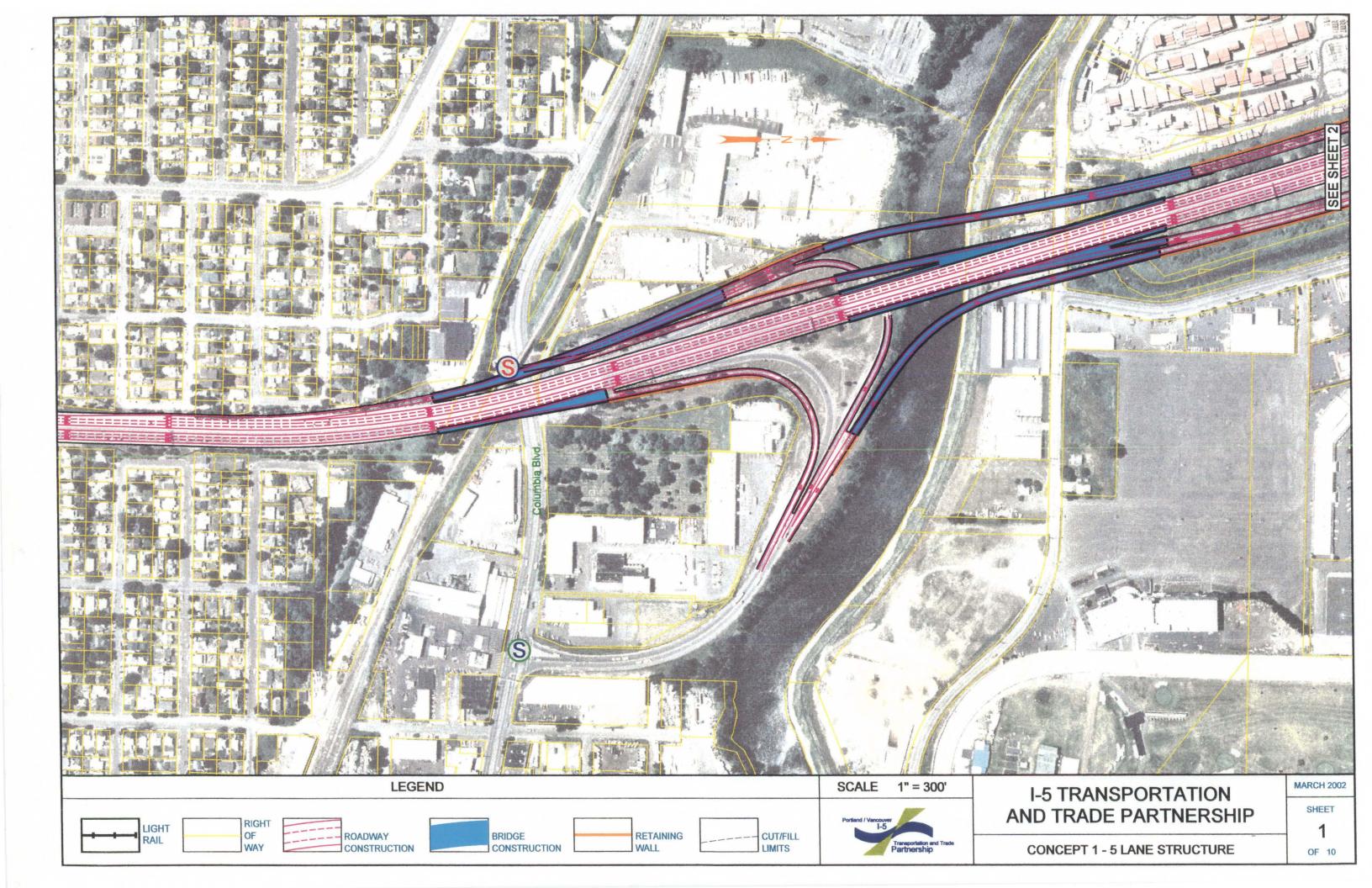


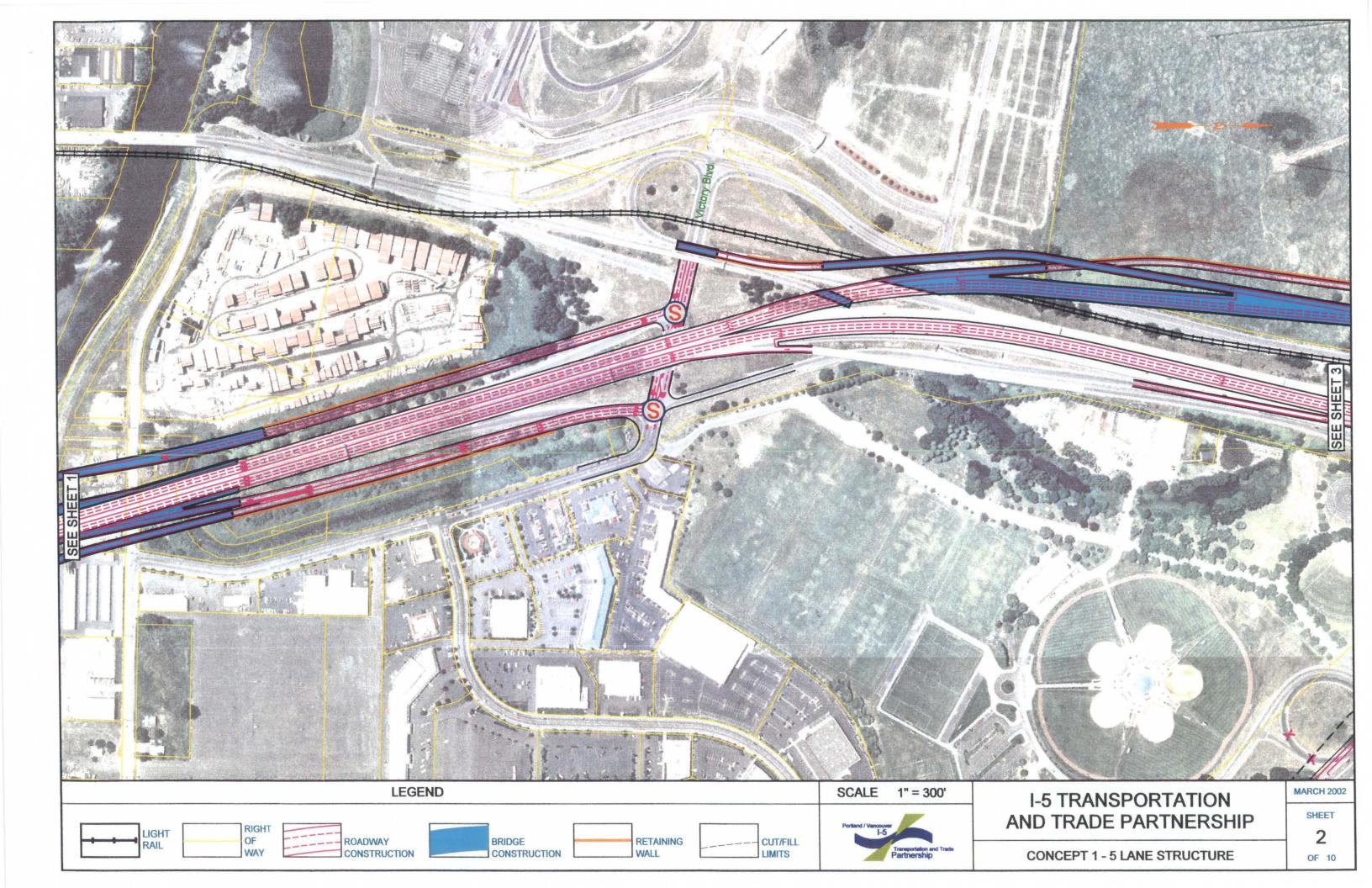


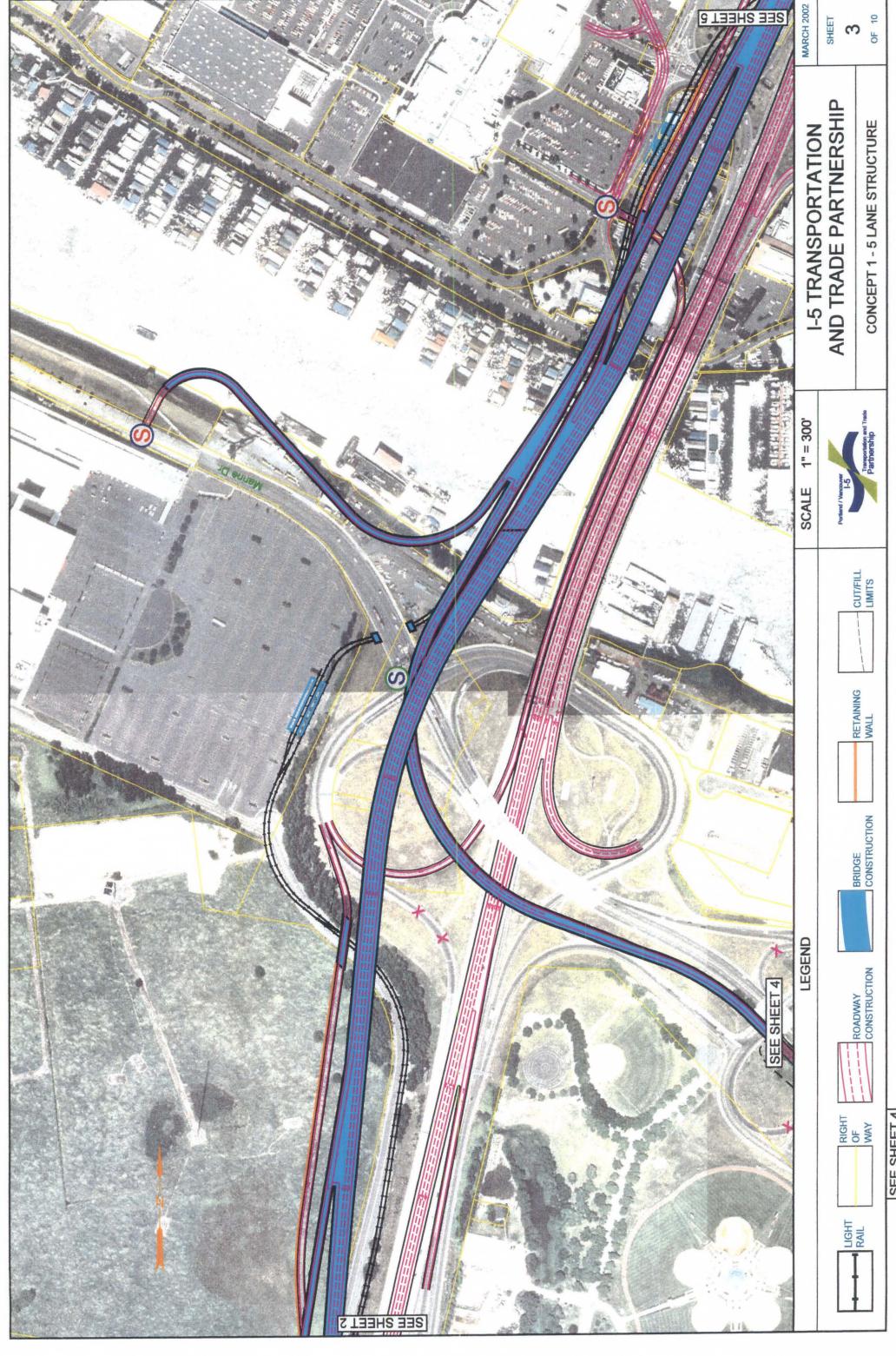
RIGHT OF WAY CONSTRUCTION BRIDGE CONSTRUCTION RETAINING WALL CUT/FILL LIMITS CONCEPT 7-3 LANE W/ ARTERIAL STR

8A

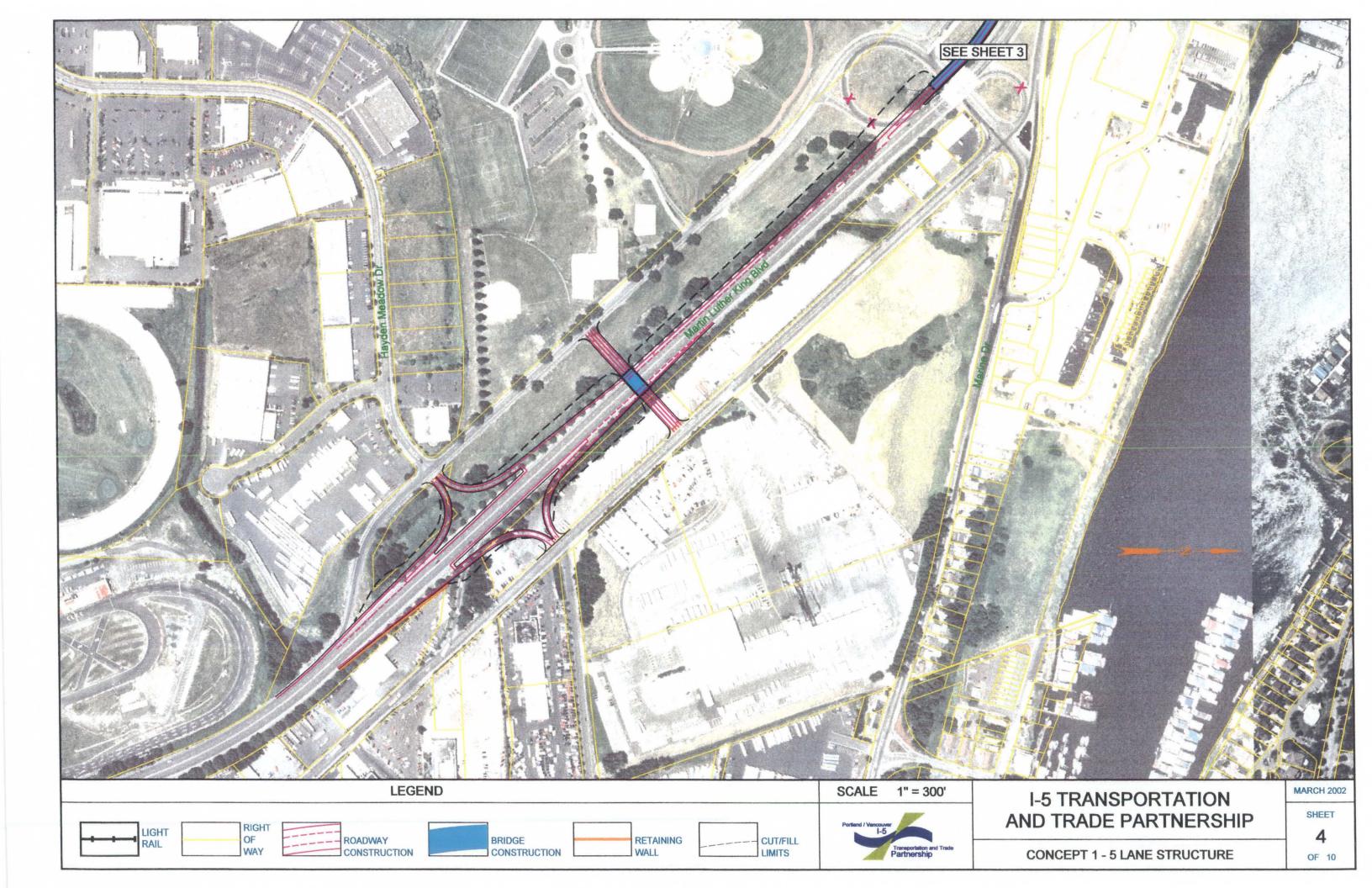


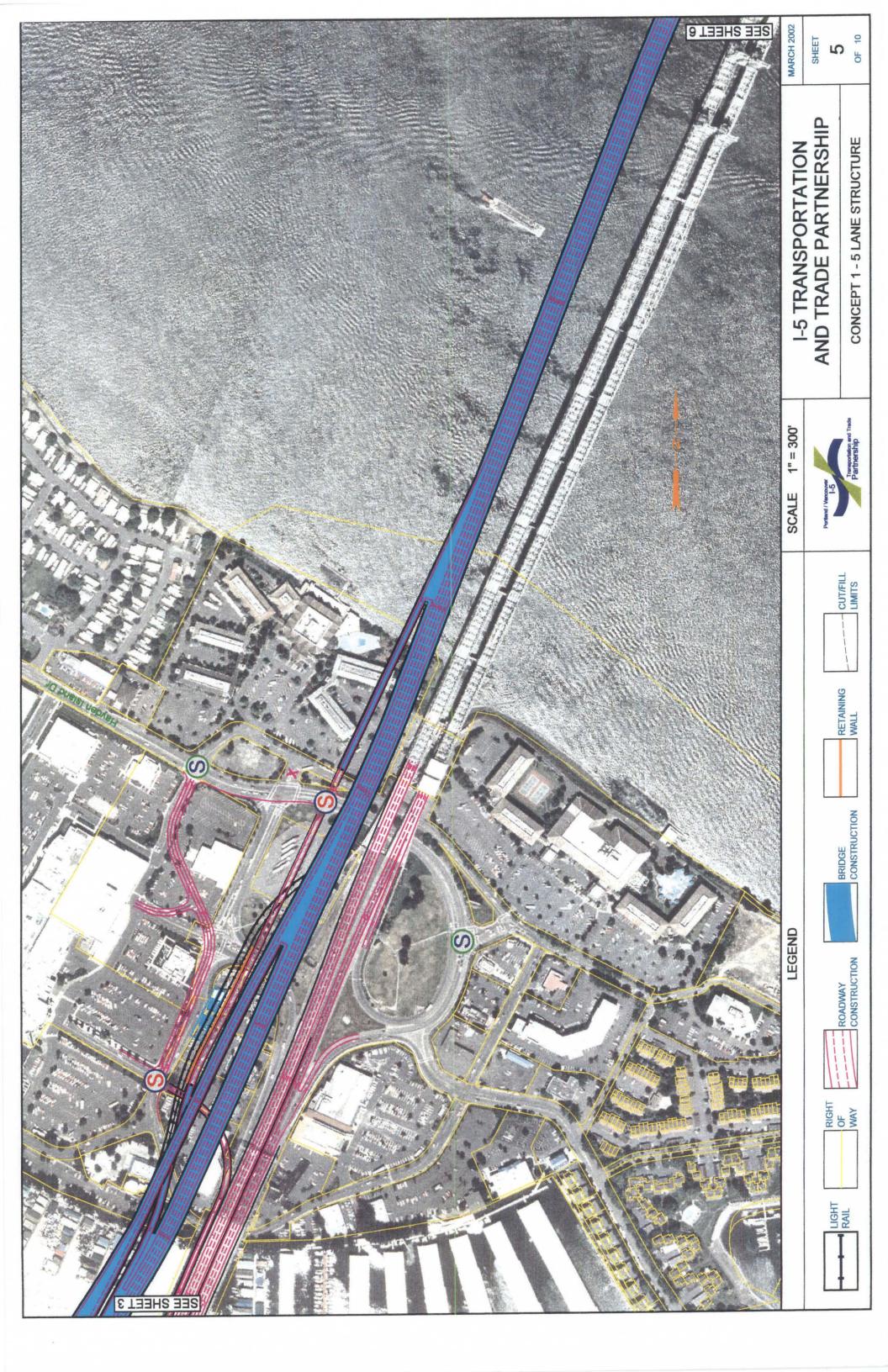


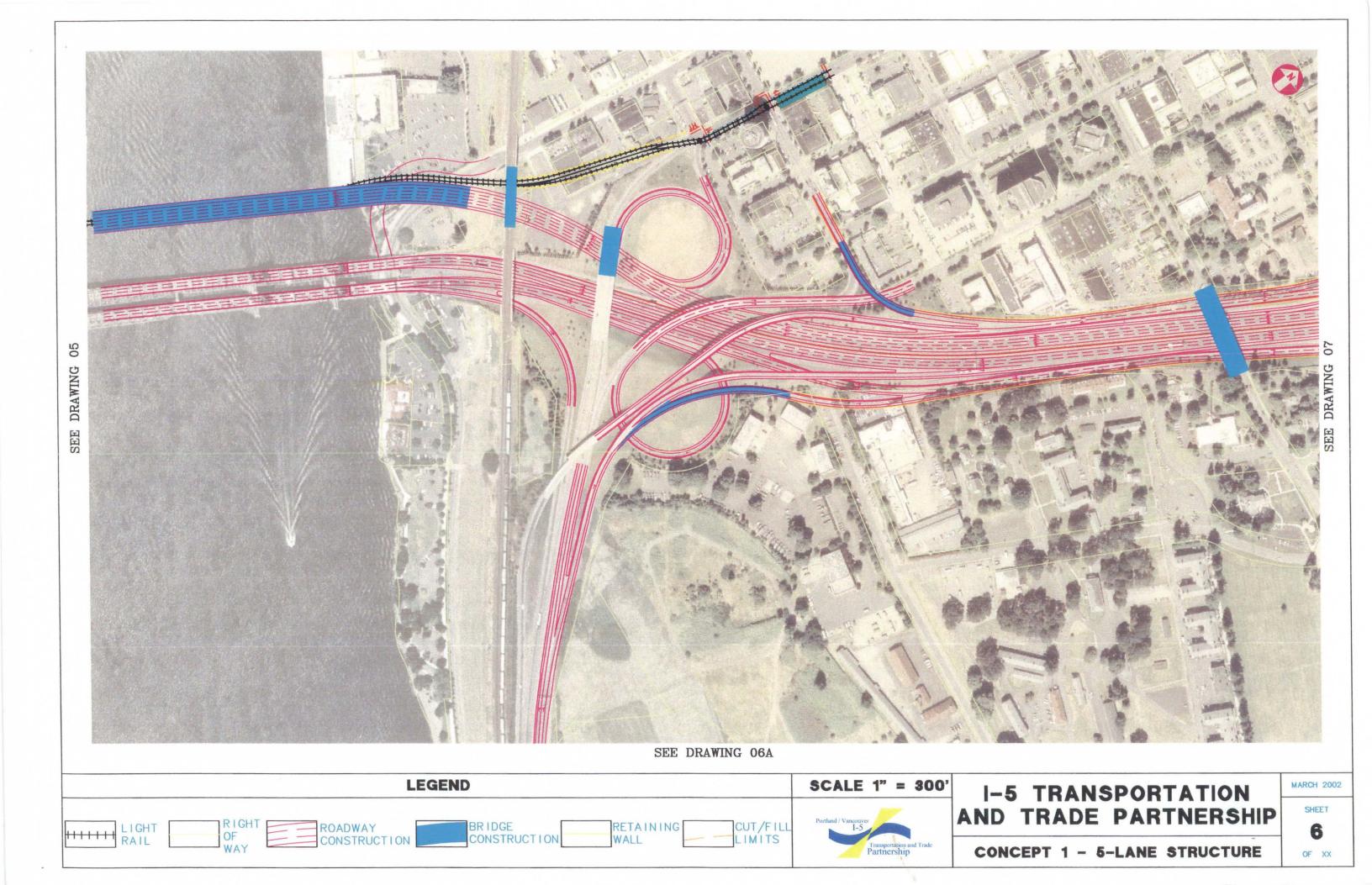




SEE SHEET A















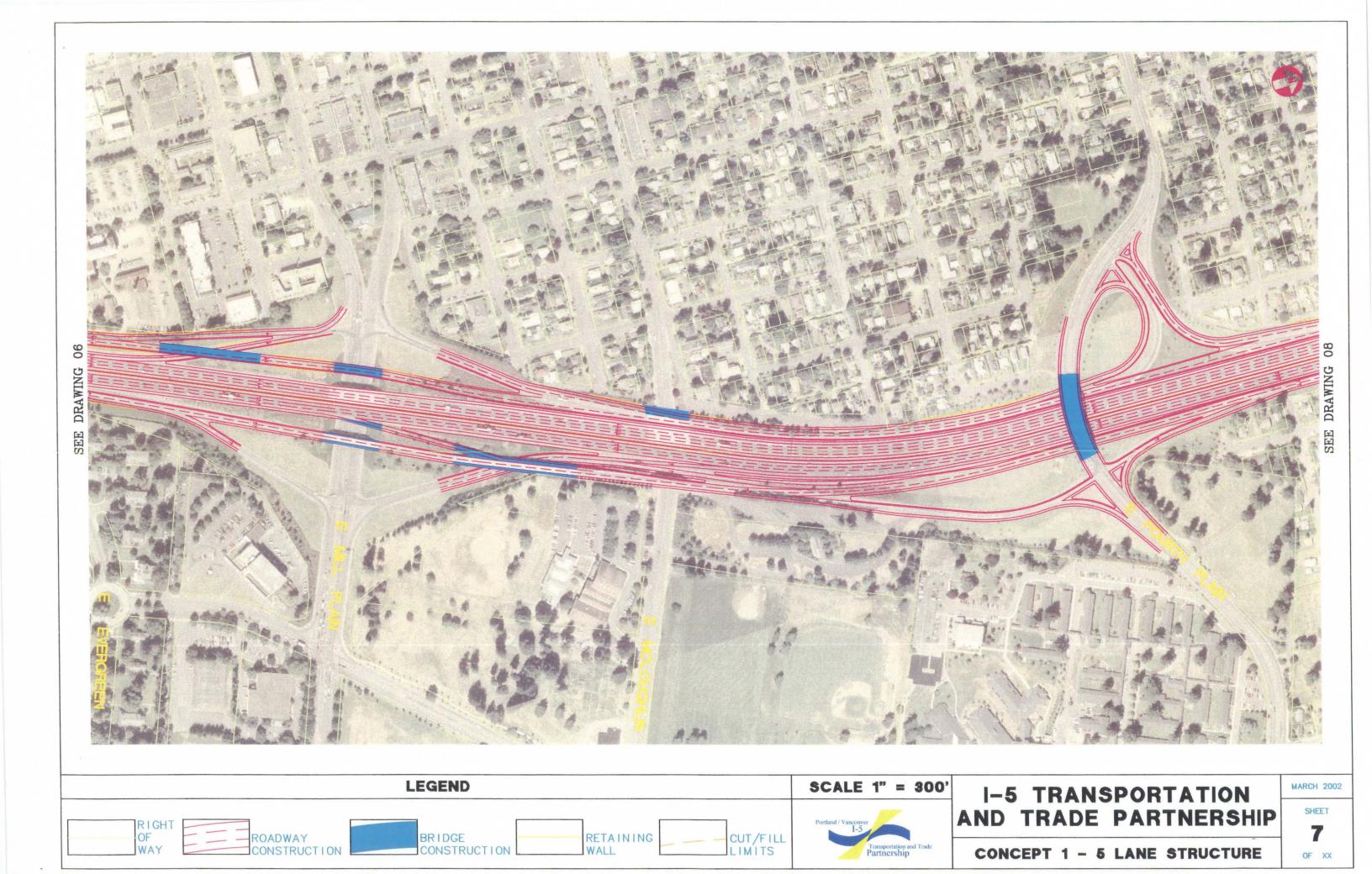


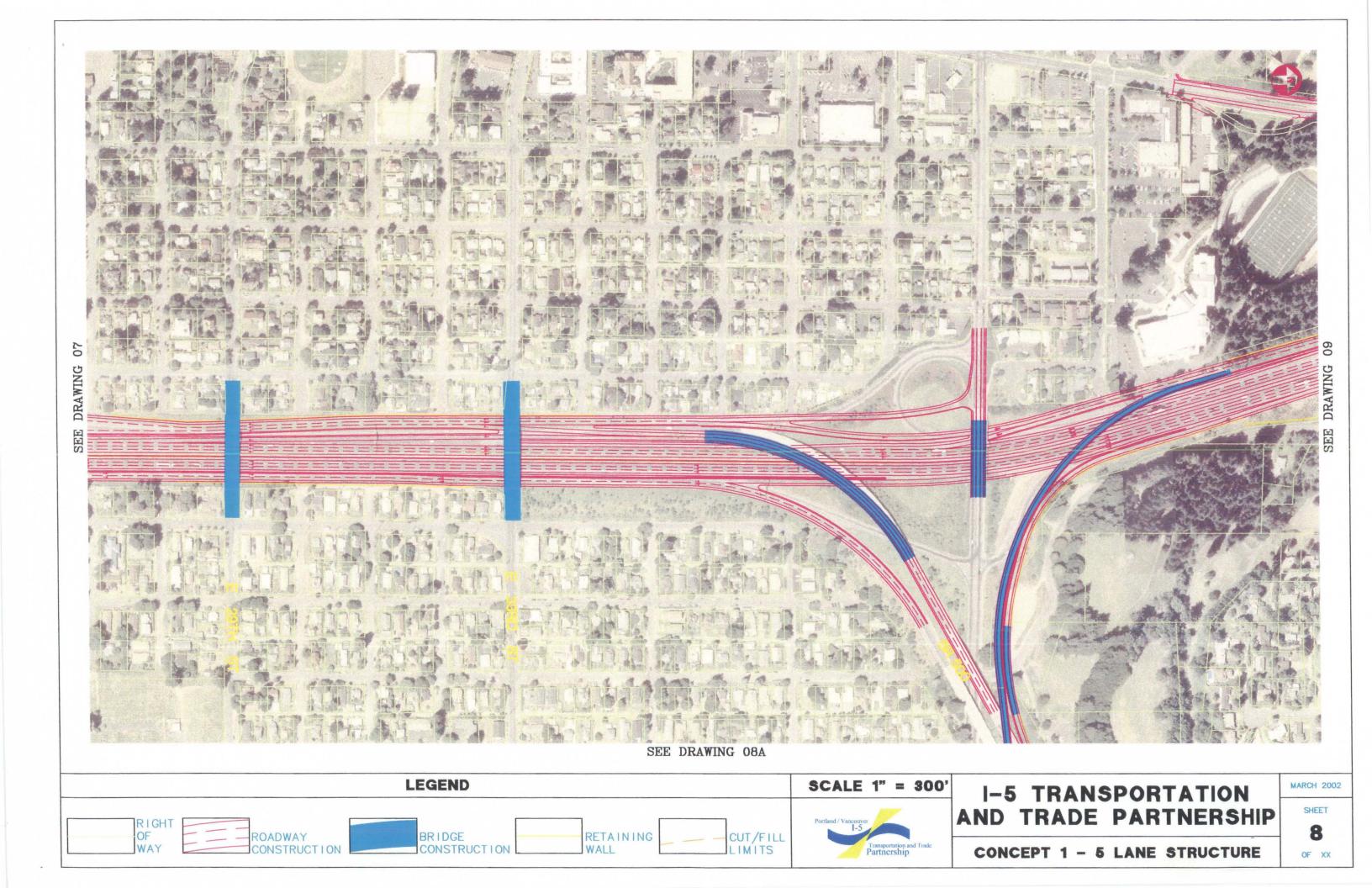
I-5 TRANSPORTATION AND TRADE PARTNERSHIP

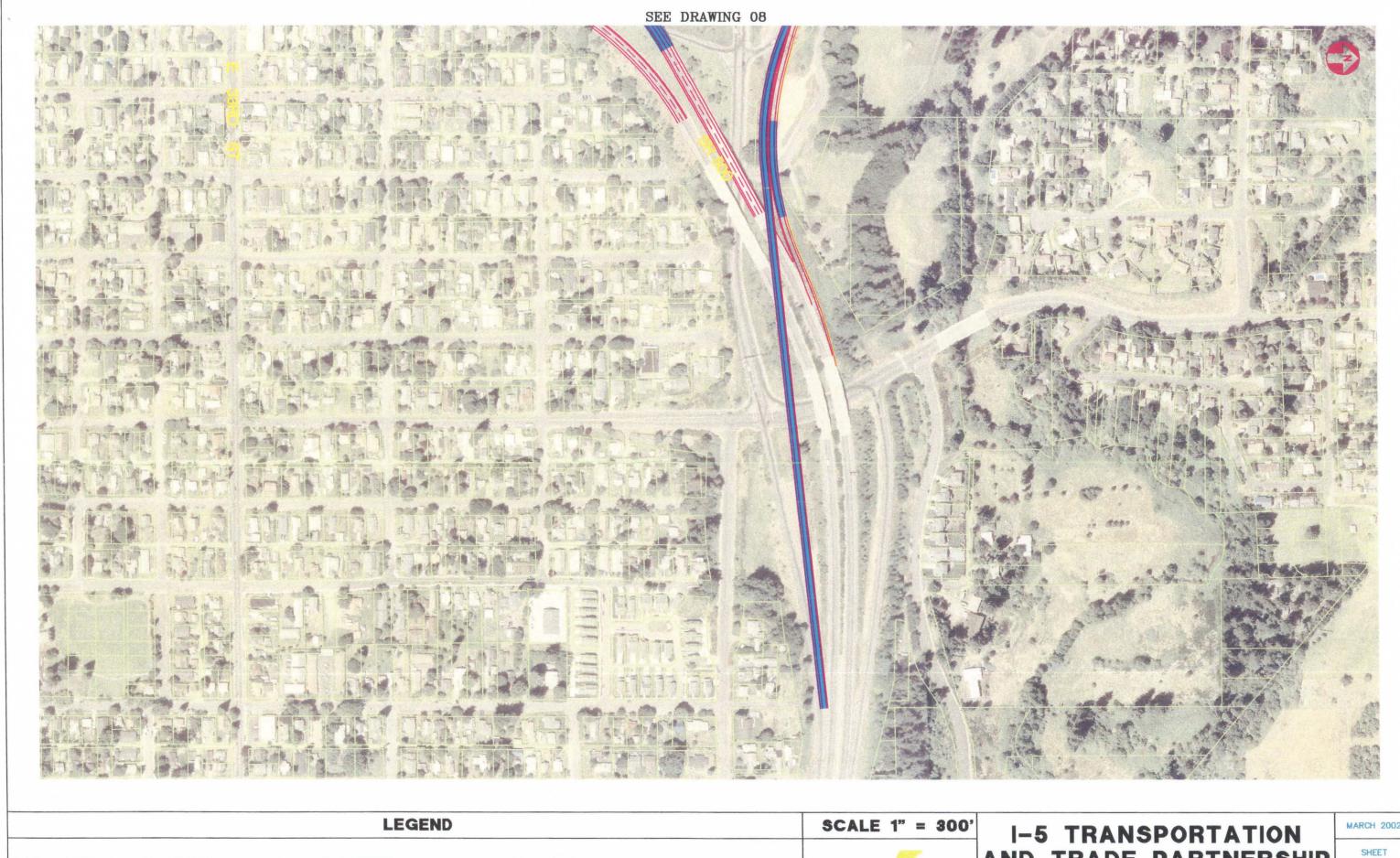
CONCEPT 1 - 5 LANE STRUCTURE

SHEET 6A

OF XX













BRIDGE CONSTRUCTION RETAINING WALL



Transportation and Trade Partnership

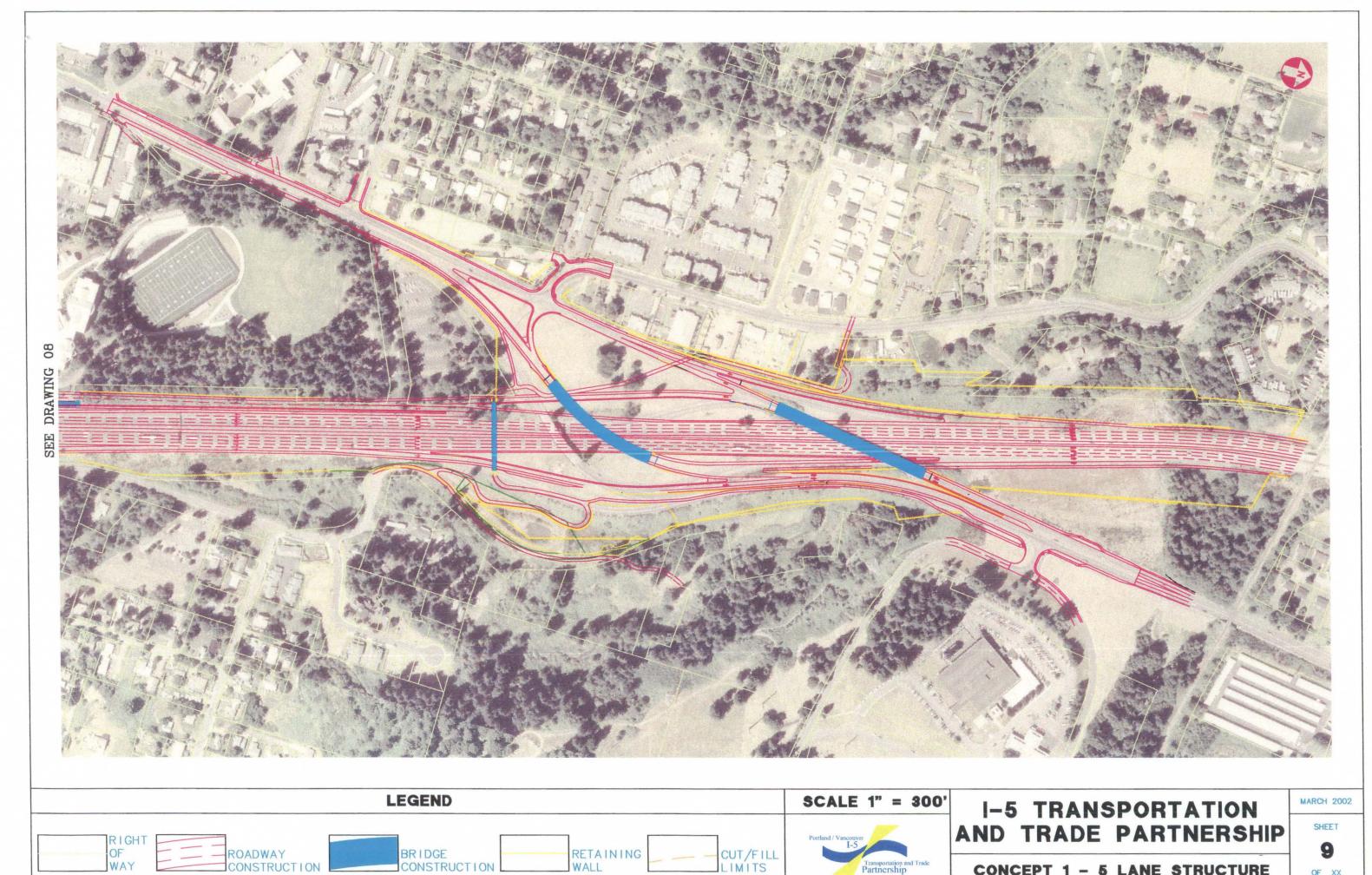
AND TRADE PARTNERSHIP

CONCEPT 1 - 5 LANE STRUCTURE

MARCH 2002

8A

OF XX



CONCEPT 1 - 5 LANE STRUCTURE

Transportation and Trade Partnership