

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II

Corridor Section: Mill Plain to SR500

Typical Cross Section per linear foot

Date:

Date of Cost Index: August 2001

		Unit	Quantity	Cost	Total	
I. RIGHT OF WAY/REAL ESTATE						\$0
1	1.1	Commercial	SF	0	\$25	\$0
	1.2	Residential	SF	0	\$15	\$0
	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
II. CIVIL CONSTRUCTION						
1	Utility Relocations					\$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
2	General Excavation					\$350
	2.1	General Excavation	CY	25	\$14.00	\$350.00
3	Surfacing / Paving					\$780
	3.1	New Surfacing - ACP	SY	12	\$65.00	\$780.00
	(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	Overlay Surfacing - ACP	SY	0	\$6.50	\$0.00
	(includes surface prep, ACP waring course, and leveling course)					
	3.4	Sidewalk - PCC	SY	0		\$0.00
	(includes concrete, excav, agg base)					
4	Roadside Development					\$200
	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	Traffic Services & Safety					\$145
	5.1	Illumination	M	0.0	\$250,000.00	\$100.00
	5.2	Signage and Striping	M	0.0	\$100,000.00	\$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
6	Structures					\$1,135
	6.01	Highway overpass	SF	0	\$100.00	\$0.00
	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	0	\$140.00	\$0.00
	6.08	Bridge Widening	SF	0	\$154.00	\$0.00
	6.09	Bridge Demolition	SF	0	\$25.73	\$0.00
	6.1	Cut and Cover Box	LF	0		\$0.00
	6.11	Tunnel	LF	0	\$44,900.00	\$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	0	\$35.00	\$0.00
	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
	6.19	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
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)					\$2,910
9	Mobilization -					\$ 233
					8% of Line 8	
10	Subtotal (Lines 8 & 9)					\$ 3,143
11	Construction Contingency					\$ 1,006
					32% of Line 10	
12	Construction Total (Lines 10 & 11)					\$ 4,148
III. DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)						\$ 1,037
IV. TOTAL CAPITAL COST (2001 \$)						\$ 5,186
		Lines I, 12 and III	Per linear foot			

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II

Corridor Section: Mill Plain to SR500

Double Deckl Cross Section per linear foot

Date:

Date of Cost Index: August 2001

		Unit	Quantity	Cost	Total	
I. RIGHT OF WAY/REAL ESTATE						\$0
1	1.1	Commercial	SF	0	\$25	\$0
	1.2	Residential	SF	0	\$15	\$0
	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
II. CIVIL CONSTRUCTION						
1		Utility Relocations				\$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
2		General Excavation				\$1,512
	2.1	General Excavation	CY	108	\$14.00	\$1,512.00
3		Surfacing / Paving				\$1,625
	3.1	New Surfacing - ACP (includes wearing course, base course, agg base, excav to 30" section depth)	SY	25	\$65.00	\$1,625.00
	3.2	New Surfacing - PCC (includes concrete, agg base, excav to ? section depth)	SY	0	\$92.00	\$0.00
	3.3	Overlay Surfacing - ACP (includes surface prep, ACP waring course, and leveling course)	SY	0	\$6.50	\$0.00
	3.4	Sidewalk - PCC (includes concrete, excav, agg base)	SY	0		\$0.00
4		Roadside Development				\$200
	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		Traffic Services & Safety				\$145
	5.1	Illumination	M	0.0	\$250,000.00	\$100.00
	5.2	Signage and Striping (includes signage, supports, sign bridges, and pavement markings)	M	0.0	\$100,000.00	\$40.00
	5.3	Signalized Intersection	EA	0	\$300,000.00	\$0.00
	5.4	Illumination	LM	0.0	\$2,650.00	\$5.30
6		Structures				\$18,910
	6.01	Highway overpass	SF	0	\$100.00	\$0.00
	6.02	Overland Bridge	SF	107	\$150.00	\$16,050.00
	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	0	\$140.00	\$0.00
	6.08	Bridge Widening	SF	0	\$154.00	\$0.00
	6.09	Bridge Demolition	SF	0	\$25.73	\$0.00
	6.1	Cut and Cover Box	LF	0		\$0.00
	6.11	Tunnel	LF	0	\$44,900.00	\$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	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
	6.17	CIP wall 20'-25' hgt	SF	50	\$55.00	\$2,750.00
	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	2	\$55.00	\$110.00
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)				\$22,692
9		Mobilization -			8% of Line 8	\$ 1,815
9A		Additional Staging			10% of Line 8	\$ 2,269
10		Subtotal (Lines 8 & 9 & 9A)				\$ 26,777
11		Construction Contingency			32% of Line 10	\$ 8,568
12		Construction Total (Lines 10 & 11)				\$ 35,345
III. DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)						\$ 8,836
IV. TOTAL CAPITAL COST (2001 \$)						\$ 44,181
						Lines I, 12 and III per linear foot

CONCEPT DESIGN - CAPITAL COST ESTIMATE

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	
I.	RIGHT OF WAY/REAL ESTATE					\$13,699,070
1	1.1 Commercial	SF	224,709	\$25	\$5,617,725	
	1.2 Residential	SF	0	\$15	\$0	
	1.3 House Displacements	LS	1	\$6,000,000	\$6,000,000	
	1.4 Open Lands	SF	167,195	\$5.00	\$835,975	
	1.5 Railroad RW	SF	0	\$1.50	\$0	
2	Subtotal				\$12,453,700	
3	Engineering & Admin	LS	10%	\$1,245,370	\$1,245,370	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$15,750,000
	1.1 Urban Corridor	M	10.5	\$1,500,000.00	\$15,750,000	
	1.2 Open Lands	M	0.0	\$200,000.00	\$0	
	1.3 Lane Addition	M	0.0	\$125,000.00	\$0	
2	General Excavation					\$5,383,840
	2.1 General Excavation	CY	384,560	\$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)					
	3.2 New Surfacing - PCC	SY	0	\$92.00	\$0.00	
	(includes concrete, agg base, excav to ? section depth)					
	3.3 Overlay Surfacing - ACP	SY	0	\$6.50	\$0.00	
	(includes surface prep, ACP waring course, and leveling course)					
	3.4 Sidewalk - PCC	SY	0		\$0.00	
	(includes concrete, excav, agg base)					
4	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	M	10.5	\$100,000.00	\$1,050,000.00	
	(includes signage, supports, sign bridges, and pavement markings)					
	5.3 Signalized Intersection	EA	4	\$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	
	6.03 Low/Mid level over water	SF	417996	\$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	\$0.00	
	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	
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)					\$635,475,606
9	Mobilization -			8% of Line 8	\$ 50,838,048	
10	Subtotal (Lines 8 & 9)				\$ 686,313,654	
11	Construction Contingency			32% of Line 10	\$ 219,620,369	
12	Construction Total (Lines 10 & 11)				\$ 905,934,024	
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)				\$ 226,483,506	
IV.	TOTAL HIGHWAY COST (2001 \$)	Lines I, 12 and III			\$ 1,146,116,600	
V.	LRT SYSTEM (EXPO TO 5TH ST., VACOUPER)				\$69,354,524	
1	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		
5	Signals			\$2,991,811.00		
6	Communications			\$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		
VI.	TOTAL CAPITAL COST (2001 \$)	Lines IV AND V			\$ 1,215,471,124	

CONCEPT DESIGN - CAPITAL COST ESTIMATE

FROM ODOT
10-1-01
QUANTITY CHECK

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

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

		Unit	Quantity	Cost	Total	
I.	RIGHT OF WAY/REAL ESTATE					\$2,145,000
1	1.1 Commercial	SF	48,000	\$25	\$1,200,000	
	1.2 Residential	SF	2,000	\$15	\$30,000	
	1.3 House Displacements	EA	3	\$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	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$158,750
	1.1 Urban Corridor	M	-	\$1,500,000.00	\$0	
	1.2 Open Lands	M	-	\$200,000.00	\$0	
	1.3 Lane Addition	M	1.27	\$125,000.00	\$158,750	
2	General Excavation					\$546,000
	2.1 General Excavation	CY	39,000	\$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	SY	47,444	\$6.50	\$308,386.00	
	(includes surface prep, ACP wearing course, and leveling course)					
	3.4 Sidewalk - PCC	SY		\$40.00	\$0.00	
	(includes concrete, excav, agg base)					
4	Roadside Development					\$1,270,000
	4.1 Drainage System	M	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	SF	25,500	\$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	
	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	70,000	\$154.00	\$10,780,000.00	
	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	SF		\$90.00	\$0.00	
	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	SF	5,500	\$40.00	\$220,000.00	
	6.16 CIP wall 15'-20' hgt	SF		\$47.00	\$0.00	
	6.17 CIP wall 20'-25' hgt	SF	7,500	\$55.00	\$412,500.00	
	6.18 Soundwalls	SF	60,000	\$23.00	\$1,380,000.00	
	6.19 Soundwall Relocation	SF		\$16.00	\$0.00	
	6.2 Soundwall Demolition	SF		\$10.00	\$0.00	
	6.21 Concrete Barrier	LF	24,000	\$55.00	\$1,320,000.00	
7	Park and Ride					\$0
	7.1 Surface Lot	Space			\$0.00	
	7.2 Garage - 0-3 levels	Space			\$0.00	
	7.3 Garage - 4+ levels	Space			\$0.00	
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
11	Construction Contingency			32% of Line 10	\$ 7,543,497	
12	Construction Total (Lines 10 & 11)					\$ 31,116,923
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)					\$ 7,779,231
IV.	TOTAL CAPITAL COST (2001 \$)	Lines I, 12 and III				\$ 41,041,154

FROM ODOT
10-1-01
Quantity
CHECK

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II

Corridor Section: Option 1D Suboption A

Date: 10-Sep-01

Date of Cost Index: August 2001

		Unit	Quantity	Cost	Total
I.	RIGHT OF WAY/REAL ESTATE				\$2,145,000
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
II.	CIVIL CONSTRUCTION				
1	Utility Relocations				\$158,750
	1.1 Urban Corridor	M	-	#####	\$0
	1.2 Open Lands	M	-	\$200,000.00	\$0
	1.3 Lane Addition	M	1.27	\$125,000.00	\$158,750
2	General Excavation				\$546,000
	2.1 General Excavation	CY	39,000.00	\$14.00	\$546,000.00
3	Surfacing / Paving				\$3,865,304
	3.1 New Surfacing - ACP	SY	34,278.00	\$65.00	\$2,228,070.00
	(includes wearing course, base course, agg base, excav to 30" section depth)				
	3.2 New Surfacing - PCC	SY	14,444.00	\$92.00	\$1,328,848.00
	(includes concrete, agg base, excav to ? section depth)				
	3.3 Overlay Surfacing - ACP	SY	47,444.00	\$6.50	\$308,386.00
	(includes surface prep, ACP waring course, and leveling course)				
	3.4 Sidewalk - PCC	SY		\$40.00	\$0.00
	(includes concrete, excav, agg base)				
4	Roadside Development				\$1,270,000
	4.1 Drainage System	M	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				\$1,664,693
	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	4.00	\$300,000.00	\$1,200,000.00
	5.4 Stripping	LM	7.62	\$2,650.00	\$20,193.00
6	Structures				\$53,349,000
	6.01 Highway overpass	SF	43,500.00	\$100.00	\$4,350,000.00
	6.02 Overland Bridge	SF		\$150.00	\$0.00
	6.03 Low/Mid level over wate	SF	106,200.00	\$275.00	\$29,205,000.00
	6.04 High level over water	SF		\$325.00	\$0.00
	6.05 Movable lift span	SF		\$1,670.00	\$0.00
	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	83,500	\$154.00	\$12,859,000.00
	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	SF	19,000.00	\$90.00	\$1,710,000.00
	6.13 MSE Retaining Wall	SF		\$29.00	\$0.00
	6.14 CIP wall <10' hgt	SF	13,500.00	\$35.00	\$472,500.00
	6.15 CIP wall 10'-15' hgt	SF	18,000.00	\$40.00	\$720,000.00
	6.16 CIP wall 15'-20' hgt	SF		\$47.00	\$0.00
	6.17 CIP wall 20'-25' hgt	SF	7,500.00	\$55.00	\$412,500.00
	6.18 Soundwalls	SF	100,000.00	\$23.00	\$2,300,000.00
	6.19 Soundwall Relocation	SF		\$16.00	\$0.00
	6.2 Soundwall Demolation	SF		\$10.00	\$0.00
	6.21 Concrete Barrier	LF	24,000.00	\$55.00	\$1,320,000.00
7	Park and Ride				\$0

	7.1 Surface Lot	Space		\$0.00	
	7.2 Garage - 0-3 levels	Space		\$0.00	
	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	
10	Subtotal (Lines 8 & 9)				\$ 65,722,047
11	Construction Contingency		32% of Line 10	\$ 21,031,055	
12	Construction Total (Lines 10 & 11)				\$ 86,753,102
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)			\$ 21,688,275	
IV.	TOTAL CAPITAL COST (2001 \$) Lines I, 12 and III				\$110,586,377

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II

Corridor Section: Option 1D Suboption C

Date: 10-Sep-01

Date of Cost Index: August 2001

		Unit	Quantity	Cost	Total	
I.	RIGHT OF WAY/REAL ESTATE					\$3,095,510
1	1.1 Commercial	SF	112,564	\$25	\$2,814,100	
	1.2 Residential	SF	0.00	\$15	\$0	
	1.3 House Displacements	EA	0.00	\$240,000	\$0	
	1.4 Open Lands	SF		\$5.00	\$0	
	1.5 Railroad R/W	SF		\$1.50	\$0	
2	Subtotal				\$2,814,100	
3	Engineering & Admin	LS	10%	\$281,410	\$281,410	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$1,065,000
	1.1 Urban Corridor	M	0.71	\$1,500,000.00	\$1,065,000	
	1.2 Open Lands	M		\$200,000.00	\$0	
	1.3 Lane Addition	M		\$125,000.00	\$0	
2	General Excavation					\$113,568
	2.1 General Excavation	CY	8,112	\$14.00	\$113,568.00	
3	Surfacing / Paving					\$668,037
	3.1 New Surfacing - ACP (includes wearing course, base course, agg base, excav to 30" section depth)	SY	8,536	\$65.00	\$554,840.00	
	3.2 New Surfacing - PCC (includes concrete, agg base, excav to ? section depth)	SY		\$92.00	\$0.00	
	3.3 Overlay Surfacing - ACP (includes surface prep, ACP waring course, and leveling course)	SY	11,938	\$6.50	\$77,597.00	
	3.4 Sidewalk - PCC (includes concrete, excav, agg base)	SY	890	\$40.00	\$35,600.00	
4	Roadside Development					\$710,000
	4.1 Drainage System	M	0.71	\$1,000,000.00	\$710,000.00	
	4.2 Restoration of Wetlands	AC		\$170,000.00	\$0.00	
5	Traffic Services & Safety					\$554,913
	5.1 Illumination	M	0.71	\$250,000.00	\$177,500.00	
	5.2 Signage (includes signage, supports, sign bridges)	M	0.71	\$100,000.00	\$71,000.00	
	5.3 Signalized Intersection	EA	1	\$300,000.00	\$300,000.00	
	5.4 Stripping	LM	2.42	\$2,650.00	\$6,413.00	
6	Structures					\$37,523,225
	6.01 Highway overpass	SF		\$100.00	\$0.00	
	6.02 Overland Bridge	SF	60,900	\$150.00	\$9,135,000.00	
	6.03 Low/Mid level over water	SF	86,590	\$275.00	\$23,812,250.00	
	6.04 High level over water	SF		\$325.00	\$0.00	
	6.05 Movable lift span	SF		\$1,670.00	\$0.00	
	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	26,800	\$154.00	\$4,127,200.00	
	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	SF		\$90.00	\$0.00	
	6.13 MSE Retaining Wall	SF		\$29.00	\$0.00	
	6.14 CIP wall <10' hgt	SF	7,440	\$35.00	\$260,400.00	
	6.15 CIP wall 10'-15' hgt	SF		\$40.00	\$0.00	
	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		\$23.00	\$0.00	
	6.19 Soundwall Relocation	SF		\$16.00	\$0.00	
	6.2 Soundwall Demolation	SF		\$10.00	\$0.00	
	6.21 Concrete Barrier	LF	3,425	\$55.00	\$188,375.00	
7	Park and Ride					\$0
	7.1 Surface Lot	Space			\$0.00	
	7.2 Garage - 0-3 levels	Space			\$0.00	
	7.3 Garage - 4+ levels	Space			\$0.00	
8	Civil Construction Subtotal (Lines 1 through 7)					\$40,634,743
9	Mobilization -			8% of Line 8	\$ 3,250,779	
10	Subtotal (Lines 8 & 9)					\$ 43,885,522
11	Construction Contingency			32% of Line 10	\$ 14,043,367	
12	Construction Total (Lines 10 & 11)					\$ 57,928,890
	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)				\$ 14,482,222	
	TOTAL CAPITAL COST (2001 \$)	Lines I, 12 and III				\$ 75,506,622

CONCEPT DESIGN - CAPITAL COST ESTIMATE

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	
I.	RIGHT OF WAY/REAL ESTATE					\$22,521,021
1	1.1 Commercial	SF	475728	\$25	\$11,893,200	
	1.2 Residential	SF		\$15	\$0	
	1.3 House Displacements	LS	1	\$7,000,000	\$7,000,000	
	1.4 Open Lands	SF	316091	\$5.00	\$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	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$4,500,000
	1.1 Urban Corridor	M	3	\$1,500,000.00	\$4,500,000	
	1.2 Open Lands	M	0	\$200,000.00	\$0	
	1.3 Lane Addition	M	0	\$125,000.00	\$0	
2	General Excavation/Embankment					\$546,714
	2.1 General Excavation	CY	39,051	\$14.00	\$546,714.00	
3	Surfacing / Paving					\$2,618,837
	3.1 New Surfacing - ACP (includes wearing course, base course, agg base, excav to 30" section depth)	SY	39,592	\$65.00	\$2,573,480.00	
	3.2 New Surfacing - PCC (includes concrete, agg base, excav to ? section depth)	SY		\$92.00	\$0.00	
	3.3 Overlay Surfacing - ACP (includes surface prep, ACP waring course, and leveling course)	SY	6,978	\$6.50	\$45,357.00	
	3.4 Sidewalk - PCC (includes concrete, excav, agg base)	SY			\$0.00	
4	Roadside Development					\$3,722,500
	4.1 Drainage System	M	3	\$1,000,000.00	\$3,000,000.00	
	4.2 Restoration of Wetlands	AC	4.25	\$170,000.00	\$722,500.00	
5	Traffic Services & Safety					\$3,181,800
	5.1 Illumination	M	3	\$250,000.00	\$750,000.00	
	5.2 Signage (includes signage, supports, sign bridges, and pavement markings)	M	3	\$100,000.00	\$300,000.00	
	5.3 Signalized Intersection	EA	7	\$300,000.00	\$2,100,000.00	
	5.4 Stripping	LM	12	\$2,650.00	\$31,800.00	
6	Structures					\$307,309,468
	6.01 Highway overpass	SF	12,662	\$100.00	\$1,266,200.00	
	6.02 Overland Bridge	SF	1,058,170	\$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	28,800	\$1,670.00	\$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	SF	34,140	\$35.00	\$1,194,900.00	
	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
	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
9	Mobilization -			8% of Line 8	\$ 25,750,346	
10	Subtotal (Lines 8 & 9)					\$ 347,629,665
11	Construction Contingency			32% of Line 10	\$111,241,493	
12	Construction Total (Lines 10 & 11)					\$ 458,871,157
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)					\$114,717,789
IV.	TOTAL CAPITAL COST (2001 \$)					\$ 596,109,967

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II

Corridor Section: Mill Plain to SR500

Option #2

Date: 10-Sep-01

Date of Cost Index: August 2001

	Unit	Quantity	Cost	Total		
I. 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
3		E+A	LS	10%	\$791,054	\$791,054
II. CIVIL CONSTRUCTION						
1		Utility Relocations				\$6,150,000
	1.1	Urban Corridor	M	4.1	\$1,500,000.00	\$6,150,000
	1.2	Open Lands	M	0.0	\$200,000.00	\$0
	1.3	Lane Addition	M	0.0	\$125,000.00	\$0
2		General Excavation				\$2,926,560
	2.1	General Excavation	CY	209,040	\$14.00	\$2,926,560.00
3		Surfacing / Paving				\$6,248,970
	3.1	New Surfacing - ACP (includes wearing course, base course, agg base, excav to 30" section depth)	SY	88,978	\$65.00	\$5,783,570.00
	3.2	New Surfacing - PCC (includes concrete, agg base, excav to ? section depth)	SY	0	\$92.00	\$0.00
	3.3	Overlay Surfacing - ACP (includes surface prep, ACP waring course, and leveling course)	SY	71,600	\$6.50	\$465,400.00
	3.4	Sidewalk - PCC (includes concrete, excav, agg base)	SY	0		\$0.00
4		Roadside Development				\$4,100,000
	4.1	Drainage System	M	4.1	\$1,000,000.00	\$4,100,000.00
	4.2	Restoration of Wetlands	AC	0.0	\$170,000.00	\$0.00
5		Traffic Services & Safety				\$1,481,375
	5.1	Illumination	M	4.1	\$250,000.00	\$1,025,000.00
	5.2	Signage and Striping (includes signage, supports, sign bridges, and pavement markings)	M	4.1	\$100,000.00	\$410,000.00
	5.3	Signalized Intersection	EA	0	\$300,000.00	\$0.00
	5.4	Stripping	LM	17.5	\$2,650.00	\$46,375.00
6		Structures				\$26,639,112
	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	\$1,670.00	\$0.00
	6.06	Double Deck over water	SF	0	\$438.00	\$0.00
	6.07	Pedestrian Bridge	SF	0	\$140.00	\$0.00
	6.08	Bridge Widening	SF	20,745	\$154.00	\$3,194,730.00
	6.09	Bridge Demolition	SF	31,550	\$25.73	\$811,781.50
	6.1	Cut and Cover Box	LF	0		\$0.00
	6.11	Tunnel	LF	0	\$44,900.00	\$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	13,250	\$35.00	\$463,750.00
	6.15	CIP wall 10'-15' hgt	SF	25,275	\$40.00	\$1,011,000.00
	6.16	CIP wall 15'-20' hgt	SF	48,625	\$47.00	\$2,285,375.00
	6.17	CIP wall 20'-25' hgt	SF	80,910	\$55.00	\$4,450,050.00
	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	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)				\$47,546,017
9		Mobilization -			8% of Line 8	\$ 3,803,681
10		Subtotal (Lines 8 & 9)				\$ 51,349,698
11		Construction Contingency			32% of Line 10	\$16,431,903
12		Construction Total (Lines 10 & 11)				\$ 67,781,602
I.		DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)				\$16,945,400
I.		TOTAL CAPITAL COST (2001 \$)	Lines I, 12 and III			\$ 93,428,591

CONCEPT DESIGN - CAPITAL COST ESTIMATE

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	
I.	RIGHT OF WAY/REAL ESTATE					\$22,264,061
1	1.1 Commercial	SF	469168	\$25	\$11,729,200	
	1.2 Residential	SF		\$15	\$0	
	1.3 House Displacements	LS	1	\$7,000,000	\$7,000,000	
	1.4 Open Lands	SF	302171	\$5.00	\$1,510,855	
	1.5 Railroad R/W	SF		\$1.50	\$0	
2	Subtotal				\$20,240,055	
3	Engineering & Admin	LS	10%	\$2,024,006	\$2,024,006	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$4,500,000
	1.1 Urban Corridor	M	3	\$1,500,000.00	\$4,500,000	
	1.2 Open Lands	M	0	\$200,000.00	\$0	
	1.3 Lane Addition	M		\$125,000.00	\$0	
2	General Excavation/Embankment					\$546,714
	2.1 General Excavation	CY	39,051	\$14.00	\$546,714.00	
3	Surfacing / Paving					\$2,618,837
	3.1 New Surfacing - ACP (includes wearing course, base course, agg base, excav to 30" section depth)	SY	39,592	\$65.00	\$2,573,480.00	
	3.2 New Surfacing - PCC (includes concrete, agg base, excav to ? section depth)	SY		\$92.00	\$0.00	
	3.3 Overlay Surfacing - ACP (includes surface prep, ACP wearing course, and leveling course)	SY	6,978	\$6.50	\$45,357.00	
	3.4 Sidewalk - PCC (includes concrete, excav, agg base)	SY		\$40.00	\$0.00	
4	Roadside Development					\$3,722,500
	4.1 Drainage System	M	3	\$1,000,000.00	\$3,000,000.00	
	4.2 Restoration of Wetlands	AC	4.25	\$170,000.00	\$722,500.00	
5	Traffic Services & Safety					\$3,181,800
	5.1 Illumination	M	3	\$250,000.00	\$750,000.00	
	5.2 Signage (includes signage, supports, sign bridges, and pavement markings)	M	3	\$100,000.00	\$300,000.00	
	5.3 Signalized Intersection	EA	7	\$300,000.00	\$2,100,000.00	
	5.4 Stripping	LM	12	\$2,650.00	\$31,800.00	
6	Structures					\$391,057,948
	6.01 Highway overpass	SF	12,662	\$100.00	\$1,266,200.00	
	6.02 Overland Bridge	SF	428,570	\$150.00	\$64,285,500.00	
	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	28,800	\$1,670.00	\$48,096,000.00	
	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	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	SF	34,140	\$35.00	\$1,194,900.00	
	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
	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)					\$405,627,799
9	Mobilization -			8% of Line 8	\$ 32,450,224	
10	Subtotal (Lines 8 & 9)				\$ 438,078,023	
11	Construction Contingency			32% of Line 10	\$ 140,184,967	
12	Construction Total (Lines 10 & 11)				\$ 578,262,990	
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)					\$ 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
1	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	
5	Signals				\$2,991,811.00	
6	Communications				\$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	
VI.	TOTAL CAPITAL COST (2001 \$)	Lines IV AND V				\$ 814,447,322

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II
Corridor Section: Mill Plain to SR500
 Option #3

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

		Unit	Quantity	Cost	Total	
I.	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	
3	E+A	LS	10%	\$791,054	\$791,054	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$6,150,000
	1.1 Urban Corridor	M	4.1	\$1,500,000.00	\$6,150,000	
	1.2 Open Lands	M	0.0	\$200,000.00	\$0	
	1.3 Lane Addition	M	0.0	\$125,000.00	\$0	
2	General Excavation					\$2,926,560
	2.1 General Excavation	CY	209,040	\$14.00	\$2,926,560.00	
3	Surfacing / Paving					\$6,248,970
	3.1 New Surfacing - ACP	SY	88,978	\$65.00	\$5,783,570.00	
	(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 Overlay Surfacing - ACP	SY	71,600	\$6.50	\$465,400.00	
	(includes surface prep, ACP wearing course, and leveling course)					
	3.4 Sidewalk - PCC	SY	0		\$0.00	
	(includes concrete, excav, agg base)					
4	Roadside Development					\$4,100,000
	4.1 Drainage System	M	4.1	\$1,000,000.00	\$4,100,000.00	
	4.2 Restoration of Wetlands	AC	0.0	\$170,000.00	\$0.00	
5	Traffic Services & Safety					\$1,481,375
	5.1 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	
	(includes signage, supports, sign bridges, and pavement markings)					
	5.3 Signalized Intersection	EA	0	\$300,000.00	\$0.00	
	5.4 Illumination	LM	17.5	\$2,650.00	\$46,375.00	
6	Structures					\$26,639,112
	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	\$1,670.00	\$0.00	
	6.06 Double Deck over water	SF	0	\$438.00	\$0.00	
	6.07 Pedestrian Bridge	SF	0	\$140.00	\$0.00	
	6.08 Bridge Widening	SF	20,745	\$154.00	\$3,194,730.00	
	6.09 Bridge Demolition	SF	31,550	\$25.73	\$811,781.50	
	6.1 Cut and Cover Box	LF	0		\$0.00	
	6.11 Tunnel	LF	0	\$44,900.00	\$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	13,250	\$35.00	\$463,750.00	
	6.15 CIP wall 10'-15' hgt	SF	25,275	\$40.00	\$1,011,000.00	
	6.16 CIP wall 15'-20' hgt	SF	48,625	\$47.00	\$2,285,375.00	
	6.17 CIP wall 20'-25' hgt	SF	80,910	\$55.00	\$4,450,050.00	
	6.18 Soundwalls	SF	0	\$23.00	\$0.00	
	6.19 Soundwall Relocation	SF	0	\$16.00	\$0.00	
	6.2 Soundwall Demolition	SF	0	\$10.00	\$0.00	
	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)					\$47,546,017
9	Mobilization -			8% of Line 8	\$ 3,803,681	
10	Subtotal (Lines 8 & 9)					\$51,349,698
11	Construction Contingency			32% of Line 10	\$ 16,431,903	
12	Construction Total (Lines 10 & 11)					\$67,781,602
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)					\$ 16,945,400
IV.	TOTAL CAPITAL COST (2001 \$)					\$93,428,591
						Lines I, 12 and III

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II
Corridor Section: Mill Plain to SR500
 Option 6

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

		Unit	Quantity	Cost	Total	
I.	RIGHT OF WAY/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	Subtotal				\$9,109,410	
3	Engineering & Admin	LS	10%	\$910,941	\$910,941	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$6,150,000
	1.1 Urban Corridor	M	4.1	\$1,500,000.00	\$6,150,000	
	1.2 Open Lands	M	0.0	\$200,000.00	\$0	
	1.3 Lane Addition	M	0.0	\$125,000.00	\$0	
2	General Excavation					\$2,926,560
	2.1 General Excavation	CY	209,040	\$14.00	\$2,926,560.00	
3	Surfacing / Paving					\$6,365,320
	3.1 New Surfacing - ACP	SY	88,978	\$65.00	\$5,783,570.00	
	(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 Overlay Surfacing - ACP	SY	89,500	\$6.50	\$581,750.00	
	(includes surface prep, ACP waring course, and leveling course)					
	3.4 Sidewalk - PCC	SY	0		\$0.00	
	(includes concrete, excav, agg base)					
4	Roadside Development					\$4,100,000
	4.1 Drainage System	M	4.1	\$1,000,000.00	\$4,100,000.00	
	4.2 Restoration of Wetlands	AC	0.0	\$170,000.00	\$0.00	
5	Traffic Services & Safety					\$1,481,375
	5.1 Illumination	M	4.1	\$250,000.00	\$1,025,000.00	
	5.2 Signage	M	4.1	\$100,000.00	\$410,000.00	
	(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	\$2,650.00	\$46,375.00	
6	Structures					\$26,639,112
	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	\$1,670.00	\$0.00	
	6.06 Double Deck over water	SF	0	\$438.00	\$0.00	
	6.07 Pedestrian Bridge	SF	0	\$140.00	\$0.00	
	6.08 Bridge Widening	SF	20,745	\$154.00	\$3,194,730.00	
	6.09 Bridge Demolition	SF	31,550	\$25.73	\$811,781.50	
	6.1 Cut and Cover Box	LF	0		\$0.00	
	6.11 Tunnel	LF	0	\$44,900.00	\$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	13,250	\$35.00	\$463,750.00	
	6.15 CIP wall 10'-15' hgt	SF	25,275	\$40.00	\$1,011,000.00	
	6.16 CIP wall 15'-20' hgt	SF	48,625	\$47.00	\$2,285,375.00	
	6.17 CIP wall 20'-25' hgt	SF	80,910	\$55.00	\$4,450,050.00	
	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	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)					\$47,662,367
9	Mobilization -			8% of Line 8		\$ 3,812,989
10	Subtotal (Lines 8 & 9)					\$ 51,475,356
11	Construction Contingency			32% of Line 10		\$ 16,472,114
12	Construction Total (Lines 10 & 11)					\$ 67,947,470
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)					\$ 16,986,868
IV.	TOTAL CAPITAL COST (2001 \$)		Lines I, 12 and III			\$ 94,954,689

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II
Corridor Section: SR500 to I-205
 Option 6

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

		Unit	Quantity	Cost	Total	
I.	RIGHT OF WAY/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	Subtotal				\$82,500	
3	Engineering & Admin	LS	10%	\$8,250	\$8,250	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$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	
2	General Excavation					\$0
	2.1 General Excavation	CY		\$14.00	\$0.00	
3	Surfacing / Paving					\$3,137,914
	3.1 New Surfacing - ACP	SY	17,235	\$65.00	\$1,120,275.00	
	(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 Overlay Surfacing - ACP	SY	310,406	\$6.50	\$2,017,639.00	
	(includes surface prep, ACP waring course, and leveling course)					
	3.4 Sidewalk - PCC	SY	611		\$0.00	
	(includes concrete, excav, agg base)					
4	Roadside Development					\$1,195,000
	4.1 Drainage System	LM	2.4	\$500,000.00	\$1,195,000.00	
	4.2 Restoration of Wetlands	AC		\$170,000.00	\$0.00	
5	Traffic Services & Safety					\$836,500
	5.1 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, supports, sign bridges, and pavement markings)					
	5.3 Signalized Intersection	EA		\$300,000.00	\$0.00	
	5.4 Illumination	LM		\$2,650.00	\$0.00	
6	Structures					\$1,461,200
	6.01 Highway overpass	SF		\$100.00	\$0.00	
	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	
	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		\$154.00	\$0.00	
	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	SF		\$90.00	\$0.00	
	6.13 MSE Retaining Wall	SF		\$29.00	\$0.00	
	6.14 CIP wall <10' hgt	SF	10,000	\$35.00	\$350,000.00	
	6.15 CIP wall 10'-15' hgt	SF	14,880	\$40.00	\$595,200.00	
	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		\$23.00	\$0.00	
	6.19 Soundwall Relocation	SF	32,250	\$16.00	\$516,000.00	
	6.2 Soundwall Demolation	SF		\$10.00	\$0.00	
	6.21 Concrete Barrier	LF		\$55.00	\$0.00	
7	Park and Ride					\$1,875,000
	7.1 Surface Lot	Space	750	\$2,500.00	\$1,875,000.00	
	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)					\$8,804,364
9	Mobilization -			8% of Line 8	\$ 704,349	
10	Subtotal (Lines 8 & 9)				\$ 9,508,713	
11	Construction Contingency			32% of Line 10	\$ 3,042,788	
12	Construction Total (Lines 10 & 11)				\$ 12,551,501	
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)					\$ 3,137,875
IV.	TOTAL CAPITAL COST (2001 \$)	Lines I, 12 and III				\$ 15,780,127

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II

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

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

		Unit	Quantity	Cost	Total	
I.	RIGHT OF WAY/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	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$13,500,000
	1.1 Urban Corridor	M	9.0	\$1,500,000.00	\$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 Excavation					\$844,480
	2.1 General Excavation	CY	60,320	\$14.00	\$844,480.00	
3	Surfacing / Paving					\$7,403,565
	3.1 New Surfacing - ACP	SY	107,800	\$65.00	\$7,007,000.00	
	(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 Overlay Surfacing - ACP	SY	61,010	\$6.50	\$396,565.00	
	(includes surface prep, ACP waring course, and leveling course)					
	3.4 Sidewalk - PCC	SY	0	\$40.00	\$0.00	
	(includes concrete, excav, agg base)					
4	Roadside Development					\$9,102,000
	4.1 Drainage System	M	9.0	\$1,000,000.00	\$9,000,000.00	
	4.2 Restoration of Wetlands	AC	0.6	\$170,000.00	\$102,000.00	
5	Traffic Services & Safety					\$3,263,950
	5.1 Illumination	M	9.0	\$250,000.00	\$2,250,000.00	
	5.2 Signage	M	9.0	\$100,000.00	\$900,000.00	
	(includes signage, supports, sign bridges, and pavement markings)					
	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					\$483,763,335
	6.01 Highway overpass	SF	0	\$100.00	\$0.00	
	6.02 Overland Bridge	SF	233,550	\$150.00	\$35,032,500.00	
	6.03 Low/Mid level over water	SF	681,894	\$275.00	\$187,520,850.00	
	6.04 High level over water	SF	624,996	\$325.00	\$203,123,700.00	
	6.05 Movable lift span	SF	32,004	\$1,670.00	\$53,446,680.00	
	6.06 Double Deck over water	SF	0	\$438.00	\$0.00	
	6.07 Pedestrian Bridge	SF	0	\$140.00	\$0.00	
	6.08 Bridge Widening	SF	6,970	\$154.00	\$1,073,380.00	
	6.09 Bridge Demolition	SF	0	\$25.73	\$0.00	
	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	14,780	\$35.00	\$517,300.00	
	6.15 CIP wall 10'-15' hgt	SF	25,250	\$40.00	\$1,010,000.00	
	6.16 CIP wall 15'-20' hgt	SF	24,500	\$47.00	\$1,151,500.00	
	6.17 CIP wall 20'-25' hgt	SF	460	\$55.00	\$25,300.00	
	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	15,675	\$55.00	\$862,125.00	
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)					\$517,877,330
9	Mobilization -			8% of Line 8	\$ 41,430,186	
10	Subtotal (Lines 8 & 9)				\$ 559,307,516	
11	Construction Contingency			32% of Line 10	\$ 178,978,405	
12	Construction Total (Lines 10 & 11)				\$ 738,285,922	
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)					\$ 184,571,480
IV.	TOTAL CAPITAL COST (2001 \$)	Lines I, 12 and III				\$ 940,222,079

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II

Corridor Section: 10-Lane Br. (Victory to Mill Plain)
Option 6

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

		Unit	Quantity	Cost	Total	
I.	RIGHT OF WAY/REAL ESTATE					\$13,699,070
1	1.1 Commercial	SF	224,709	\$25	\$5,617,725	
	1.2 Residential	SF	0	\$15	\$0	
	1.3 House Displacements	LS	1	\$6,000,000	\$6,000,000	
	1.4 Open Lands	SF	167,195	\$5.00	\$835,975	
	1.5 Railroad R/W	SF	0	\$1.50	\$0	
2	Subtotal				\$12,453,700	
3	Engineering & Admin	LS	10%	\$1,245,370	\$1,245,370	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$15,750,000
	1.1 Urban Corridor	M	10.5	\$1,500,000.00	\$15,750,000	
	1.2 Open Lands	M	0.0	\$200,000.00	\$0	
	1.3 Lane Addition	M	0.0	\$125,000.00	\$0	
2	General Excavation					\$5,383,840
	2.1 General Excavation	CY	384,560	\$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)					
	3.2 New Surfacing - PCC	SY	0	\$92.00	\$0.00	
	(includes concrete, agg base, excav to ? section depth)					
	3.3 Overlay Surfacing - ACP	SY	0	\$6.50	\$0.00	
	(includes surface prep, ACP waring course, and leveling course)					
	3.4 Sidewalk - PCC	SY	0		\$0.00	
	(includes concrete, excav, agg base)					
4	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	M	10.5	\$100,000.00	\$1,050,000.00	
	(includes signage, supports, sign bridges, and pavement markings)					
	5.3 Signalized Intersection	EA	4	\$300,000.00	\$1,200,000.00	
	5.4 Stripping	LM	35.0	\$2,650.00	\$92,750.00	
6	Structures					\$570,597,936
	6.01 Highway overpass	SF	42804	\$100.00	\$4,280,400.00	
	6.02 Overland Bridge	SF	662256	\$150.00	\$99,338,400.00	
	6.03 Low/Mid level over water	SF	417996	\$275.00	\$114,948,900.00	
	6.04 High level over water	SF	786258	\$325.00	\$255,533,850.00	
	6.05 Movable lift span	SF	0	\$1,670.00	\$0.00	
	6.06 Double Deck over water	SF	167508	\$438.00	\$73,368,504.00	
	6.07 Pedestrian Bridge	SF	0	\$140.00	\$0.00	
	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	
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)					\$619,011,456
9	Mobilization -			8% of Line 8	\$ 49,520,916	
10	Subtotal (Lines 8 & 9)				\$ 668,532,372	
11	Construction Contingency			32% of Line 10	\$ 213,930,359	
12	Construction Total (Lines 10 & 11)				\$ 882,462,732	
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)					\$ 220,615,683
IV.	TOTAL CAPITAL COST (2001 \$)		Lines I, 12 and III			\$ 1,116,777,485

CONCEPT DESIGN - CAPITAL COST ESTIMATE

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	
I. RIGHT OF WAY/REAL ESTATE						\$10,560,407
1	1.1 Commercial	SF	142,259	\$25	\$3,556,475	
	1.2 Residential	SF	0	\$15	\$0	
	1.3 House Displacements	LS	1	\$6,000,000	\$6,000,000	
	1.4 Open Lands	SF	8,779	\$5.00	\$43,895	
	1.5 Railroad R/W	SF	0	\$1.50	\$0	
2	Subtotal				\$9,600,370	
3	Engineering & Admin	LS	10%	\$960,037	\$960,037	
II. CIVIL CONSTRUCTION						
1	Utility Relocations					\$6,000,000
	1.1 Urban Corridor	M	4.0	\$1,500,000.00	\$6,000,000	
	1.2 Open Lands	M	0.0	\$200,000.00	\$0	
	1.3 Lane Addition	M	0.0	\$125,000.00	\$0	
2	General Excavation					\$2,999,640
	2.1 General Excavation	CY	214,260	\$14.00	\$2,999,640.00	
3	Surfacing / Paving					\$10,975,770
	3.1 New Surfacing - ACP (includes wearing course, base course, agg base, excav to 30" section depth)	SY	168,858	\$65.00	\$10,975,770.00	
	3.2 New Surfacing - PCC (includes concrete, agg base, excav to ? section depth)	SY	0	\$92.00	\$0.00	
	3.3 Overlay Surfacing - ACP (includes surface prep, ACP waring course, and leveling course)	SY	0	\$6.50	\$0.00	
	3.4 Sidewalk - PCC (includes concrete, excav, agg base)	SY	0		\$0.00	
4	Roadside Development					\$4,000,000
	4.1 Drainage System	M	4.0	\$1,000,000.00	\$4,000,000.00	
	4.2 Restoration of Wetlands	AC	0.0	\$170,000.00	\$0.00	
5	Traffic Services & Safety					\$1,438,425
	5.1 Illumination	M	4.0	\$250,000.00	\$1,000,000.00	
	5.2 Signage (includes signage, supports, sign bridges, and pavement markings)	M	4.0	\$100,000.00	\$400,000.00	
	5.3 Signalized Intersection	EA	0	\$300,000.00	\$0.00	
	5.4 Stripping	LM	14.5	\$2,650.00	\$38,425.00	
6	Structures					\$421,363,779
	6.01 Highway overpass	SF	118,765	\$100.00	\$11,876,500.00	
	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	0	\$140.00	\$0.00	
	6.08 Bridge Widening	SF	0	\$154.00	\$0.00	
	6.09 Bridge Demolition	SF	84,800	\$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	0	\$90.00	\$0.00	
	6.13 MSE Retaining Wall	SF	0	\$29.00	\$0.00	
	6.14 CIP wall <10' hgt	SF	17,850	\$35.00	\$624,750.00	
	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	
	6.17 CIP wall 20'-25' hgt	SF	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	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)					\$446,777,614
9	Mobilization -			8% of Line 8	\$ 35,742,209	
10	Subtotal (Lines 8 & 9)				\$ 482,519,823	
11	Construction Contingency			32% of Line 10	\$ 154,406,343	
12	Construction Total (Lines 10 & 11)				\$ 636,926,167	
II. DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)						\$ 159,231,542
V. TOTAL CAPITAL COST (2001 \$)		Lines I, 12 and III				\$ 806,718,115

CONCEPT DESIGN - CAPITAL COST ESTIMATE

I-5 Trade Corridor - Phase II

Corridor Section: 6-Lane Br. (Victory to Mill Plain)
Option 7

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

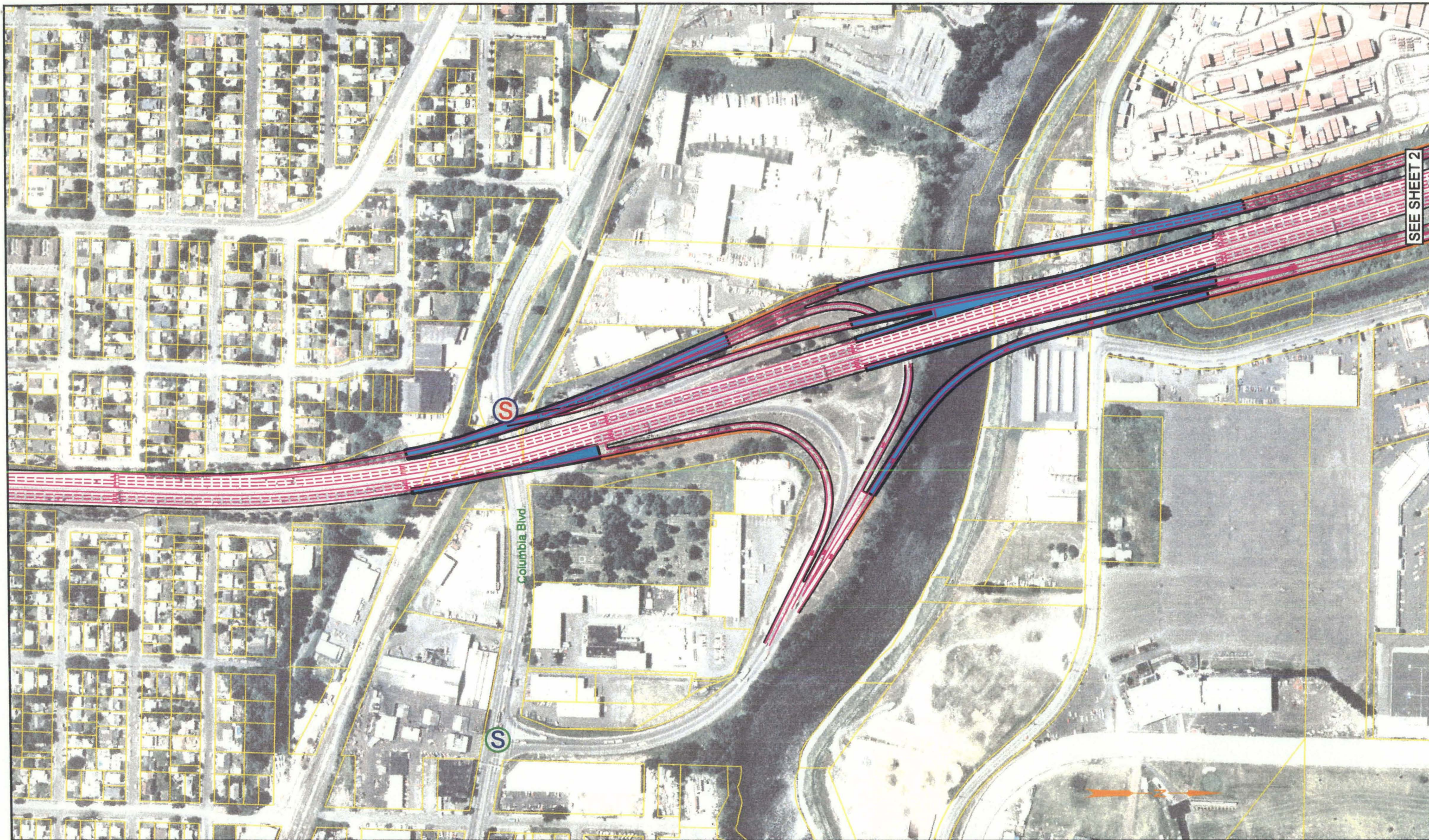
		Unit	Quantity	Cost	Total	
I.	RIGHT OF WAY/REAL ESTATE					\$17,364,677
1	1.1 Commercial	SF	292,121	\$25	\$7,303,025	
	1.2 Residential	SF	0	\$15	\$0	
	1.3 House Displacements	LS	1	\$8,000,000	\$8,000,000	
	1.4 Open Lands	SF	96,609	\$5.00	\$483,045	
	1.5 Railroad R/W	SF	0	\$1.50	\$0	
2	Subtotal				\$15,786,070	
3	Engineering & Admin	LS	10%	\$1,578,607	\$1,578,607	
II.	CIVIL CONSTRUCTION					
1	Utility Relocations					\$13,500,000
	1.1 Urban Corridor	M	9.0	\$1,500,000.00	\$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 Excavation					\$844,480
	2.1 General Excavation	CY	60,320	\$14.00	\$844,480.00	
3	Surfacing / Paving					\$7,403,565
	3.1 New Surfacing - ACP	SY	107,800	\$65.00	\$7,007,000.00	
	(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 Overlay Surfacing - ACP	SY	61,010	\$6.50	\$396,565.00	
	(includes surface prep, ACP wearing course, and leveling course)					
	3.4 Sidewalk - PCC	SY	0	\$40.00	\$0.00	
	(includes concrete, excav, agg base)					
4	Roadside Development					\$9,102,000
	4.1 Drainage System	M	9.0	\$1,000,000.00	\$9,000,000.00	
	4.2 Restoration of Wetlands	AC	0.6	\$170,000.00	\$102,000.00	
5	Traffic Services & Safety					\$3,263,950
	5.1 Illumination	M	9.0	\$250,000.00	\$2,250,000.00	
	5.2 Signage	M	9.0	\$100,000.00	\$900,000.00	
	(includes signage, supports, sign bridges, and pavement markings)					
	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					\$521,667,810
	6.01 Highway overpass	SF	0	\$100.00	\$0.00	
	6.02 Overland Bridge	SF	233,550	\$150.00	\$35,032,500.00	
	6.03 Low/Mid level over water	SF	801,933	\$275.00	\$220,531,575.00	
	6.04 High level over water	SF	0	\$325.00	\$0.00	
	6.05 Movable lift span	SF	32,004	\$1,670.00	\$53,446,680.00	
	6.06 Double Deck over water	SF	475,000	\$438.00	\$208,050,000.00	
	6.07 Pedestrian Bridge	SF	0	\$140.00	\$0.00	
	6.08 Bridge Widening	SF	6,970	\$154.00	\$1,073,380.00	
	6.09 Bridge Demolition	SF	0	\$25.73	\$0.00	
	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	13,850	\$35.00	\$484,750.00	
	6.15 CIP wall 10'-15' hgt	SF	25,250	\$40.00	\$1,010,000.00	
	6.16 CIP wall 15'-20' hgt	SF	24,500	\$47.00	\$1,151,500.00	
	6.17 CIP wall 20'-25' hgt	SF	460	\$55.00	\$25,300.00	
	6.18 Soundwalls	SF	0	\$23.00	\$0.00	
	6.19 Soundwall Relocation	SF	0	\$16.00	\$0.00	
	6.2 Soundwall Demolition	SF	0	\$10.00	\$0.00	
	6.21 Concrete Barrier	LF	15,675	\$55.00	\$862,125.00	
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)					\$555,781,805
9	Mobilization -			8% of Line 8	\$ 44,462,544	
10	Subtotal (Lines 8 & 9)				\$ 600,244,349	
11	Construction Contingency			32% of Line 10	\$ 192,078,192	
12	Construction Total (Lines 10 & 11)				\$ 792,322,541	
III.	DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)					\$ 198,080,635
IV.	TOTAL HIGHWAY COST (2001 \$) Lines I, 12 and III					\$ 1,007,767,854
V.	LRT SYSTEM (EXPO TO 5TH ST., VACOUVER)					\$69,354,524
1	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		
5	Signals			\$2,991,811.00		
6	Communications			\$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		
VI.	TOTAL CAPITAL COST (2001 \$) Lines IV AND V					\$ 1,077,122,378

PRELIMINARY ENGINEER'S COST ESTIMATE

5 Trade Corridor - Phase II
Corridor Section: Option 8

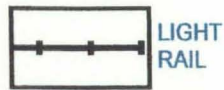
Date: 10-Sep-01
Date of Cost Index: August 2001

		Unit	Quantity	Cost	Total	
RIGHT OF 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
3		Engineering & Admin	LS	10%	\$8,744,000	\$8,744,000
CIVIL CONSTRUCTION						
1		Utility Relocations				\$8,400,000
	1.1	Urban Corridor	M	5.6	\$1,500,000.00	\$8,400,000
	1.2	Open Lands	M	0.0	\$200,000.00	\$0
	1.3	Lane Addition	M	0.0	\$125,000.00	\$0
2		General Excavation				\$1,301,230
	2.1	General Excavation	CY	92,945	\$14.00	\$1,301,230.00
3		Surfacing / Paving				\$6,638,075
	3.1	New Surfacing - ACP (includes wearing course, base course, agg base, excav to 30" section depth)	SY	91,355	\$65.00	\$5,938,075.00
	3.2	New Surfacing - PCC (includes concrete, agg base, excav to ? section depth)	SY	0	\$92.00	\$0.00
	3.3	Overlay Surfacing - ACP (includes surface prep, ACP waring course, and leveling course)	SY	0	\$6.50	\$0.00
	3.4	Sidewalk - PCC (includes concrete, excav, agg base)	SY	17,500	\$40.00	\$700,000.00
4		Roadside Development				\$9,300,000
	4.1	Drainage System	M	5.6	\$1,000,000.00	\$5,600,000.00
	4.2	Restoration of Wetlands	AC	2.0	\$170,000.00	\$340,000.00
	4.3	Railroad Relocation	LF	4,800.0	\$700.00	\$3,360,000.00
5		Traffic Services & Safety				\$3,828,900
	5.1	Illumination	M	5.6	\$250,000.00	\$1,400,000.00
	5.2	Signage (includes signage, supports, sign bridges, and pavement markings)	M	5.6	\$100,000.00	\$560,000.00
	5.3	Signalized Intersection	EA	6.0	\$300,000.00	\$1,800,000.00
	5.4	Stripping	LM	26.0	\$2,650.00	\$68,900.00
6		Structures				\$447,821,313
	6.01	Highway overpass	SF	12,900	\$100.00	\$1,290,000.00
	6.02	Overland Bridge	SF	755,300	\$150.00	\$113,295,000.00
	6.03	Low/Mid level over water	SF	223,055	\$275.00	\$61,340,125.00
	6.04	High level over water	SF	286,300	\$325.00	\$93,047,500.00
	6.05	Movable lift span	SF	38,500	\$1,670.00	\$64,295,000.00
	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		\$154.00	\$0.00
	6.09	Bridge Demolition	SF	106,340	\$25.73	\$2,736,128.20
	6.1	Cut and Cover Box	LF			\$0.00
	6.11	Tunnel	LF			\$0.00
	6.12	Tie-back Retaining Wall	SF	145,000	\$90.00	\$13,050,000.00
	6.13	MSE Retaining Wall	SF	19,140	\$29.00	\$555,060.00
	6.14	CIP wall <10' hgt	SF		\$35.00	\$0.00
	6.15	CIP wall 10'-15' hgt	SF		\$40.00	\$0.00
	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		\$23.00	\$0.00
	6.19	Soundwall Relocation	SF		\$16.00	\$0.00
	6.2	Soundwall Demolition	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
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)				\$477,290,000
9		Mobilization -			8% of Line 8	\$ 38,183,200
10		Subtotal (Lines 8 & 9)				\$ 515,473,200
11		Construction Contingency			32% of Line 10	\$ 164,951,424
12		Construction Total (Lines 10 & 11)				\$ 680,424,624
DESIGN ENGINEERING & ADMINISTRATION (25% of Line 12)						\$ 170,106,156
TOTAL CAPITAL COST (2001 \$)						\$ 946,715,000



SEE SHEET 2

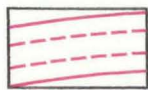
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LIGHT RAIL



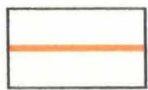
RIGHT OF WAY



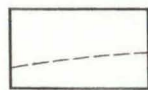
ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

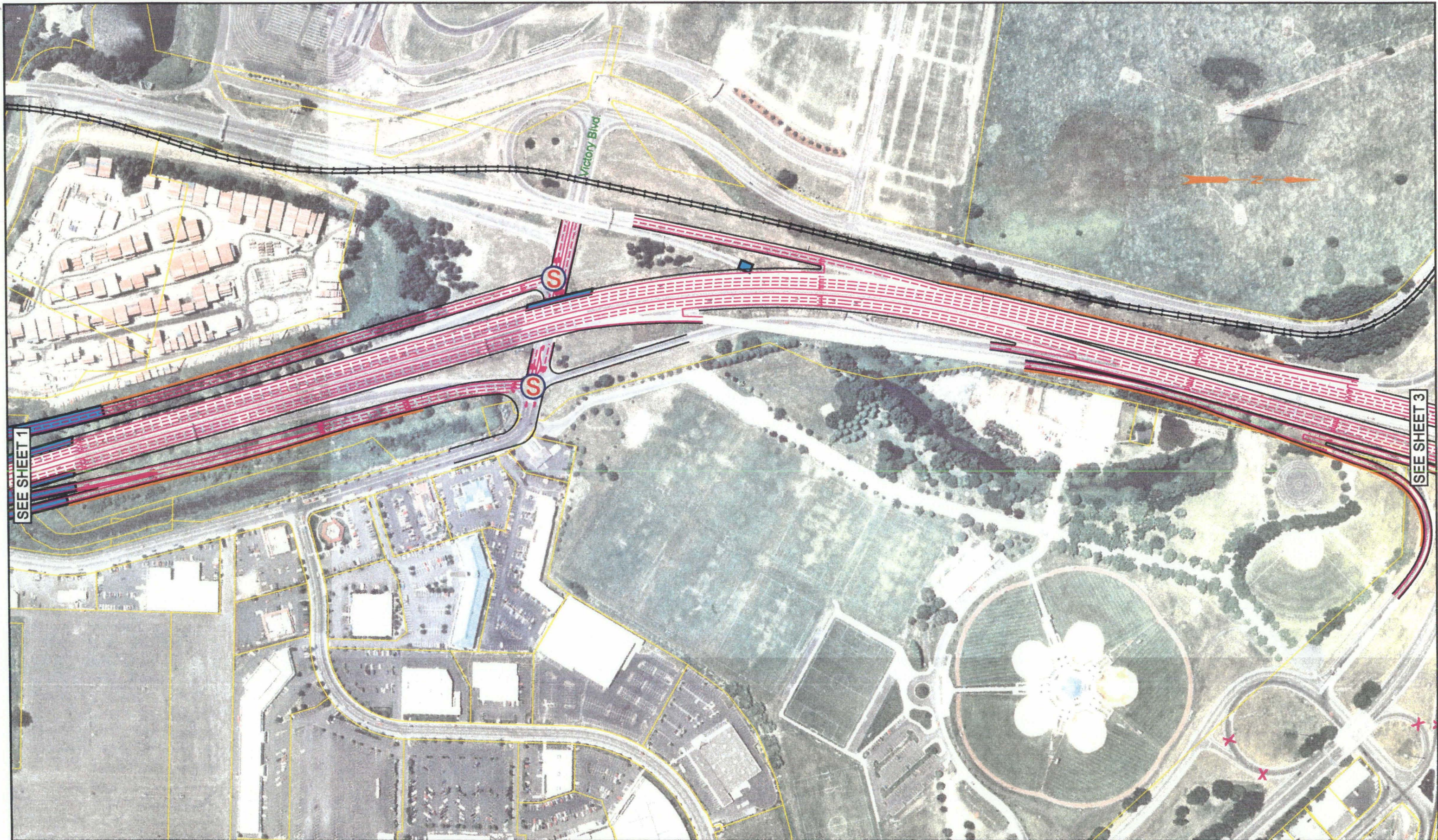
CONCEPT 4 - DOUBLE-DECK STRUCTURE

MARCH 2002

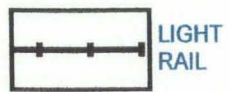
SHEET

1

OF 10



LEGEND



LIGHT RAIL



RIGHT OF WAY



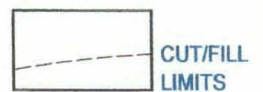
ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

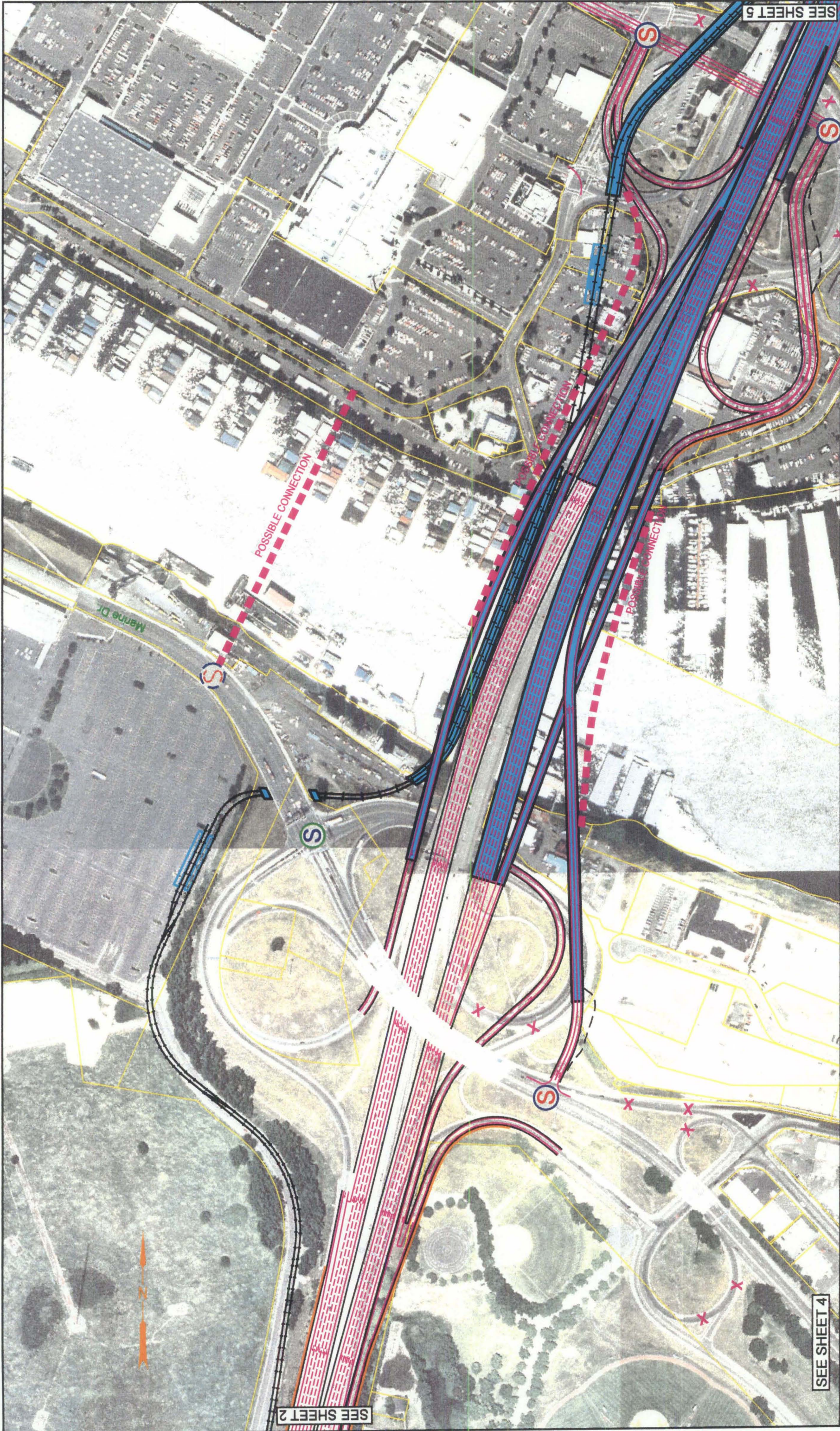
CONCEPT 4 - DOUBLE-DECK STRUCTURE

MARCH 2002

SHEET

2

OF 10



SEE SHEET 4

SEE SHEET 2

SEE SHEET 5

LEGEND

-  LIGHT RAIL
-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'

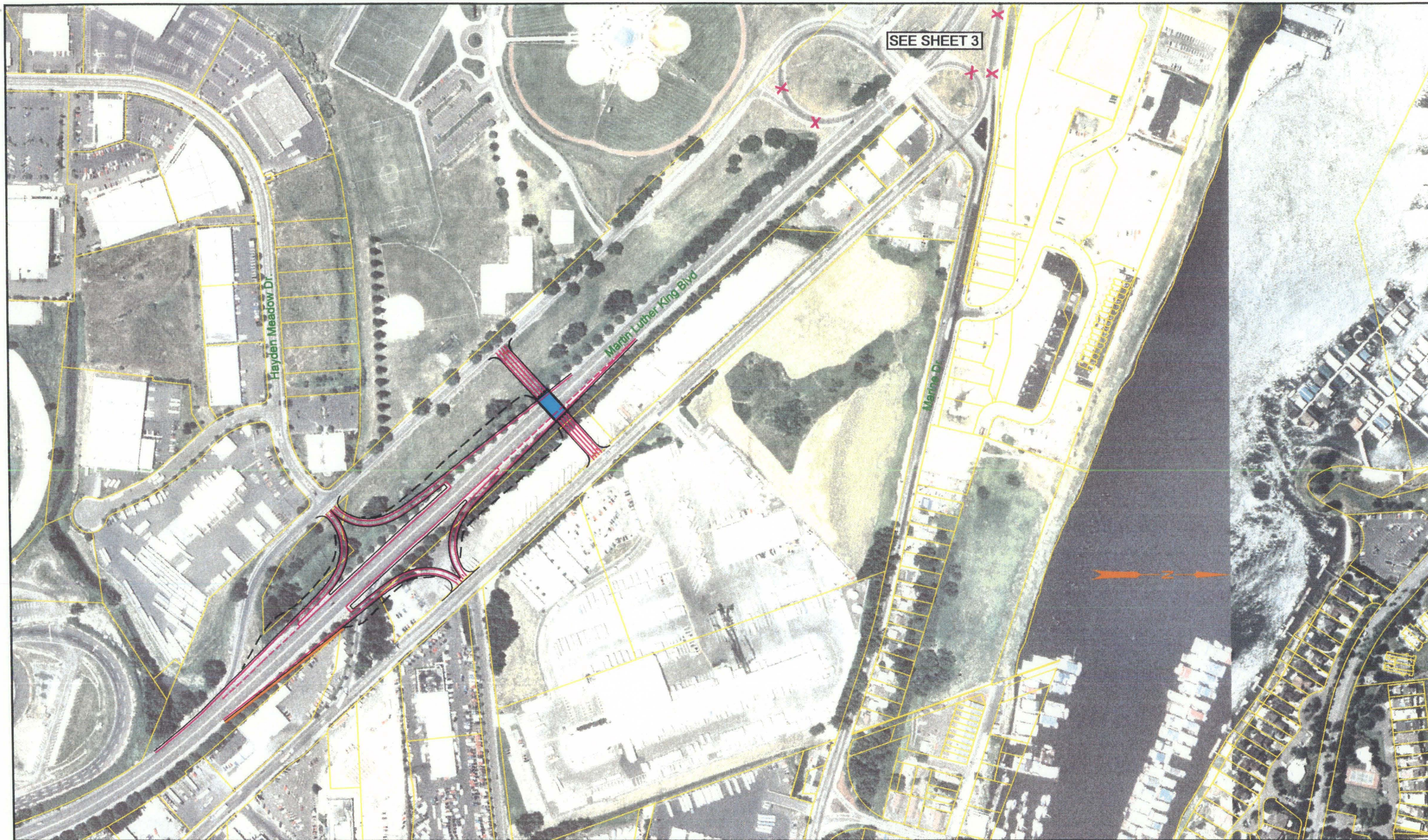


I-5 TRANSPORTATION AND TRADE PARTNERSHIP

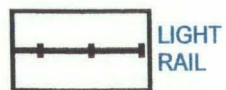
CONCEPT 4 - DOUBLE-DECK STRUCTURE

MARCH 2002

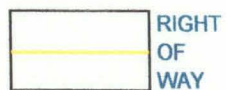
SHEET 3 OF 10



LEGEND



LIGHT RAIL



RIGHT OF WAY



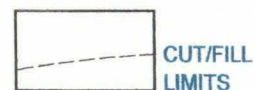
ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

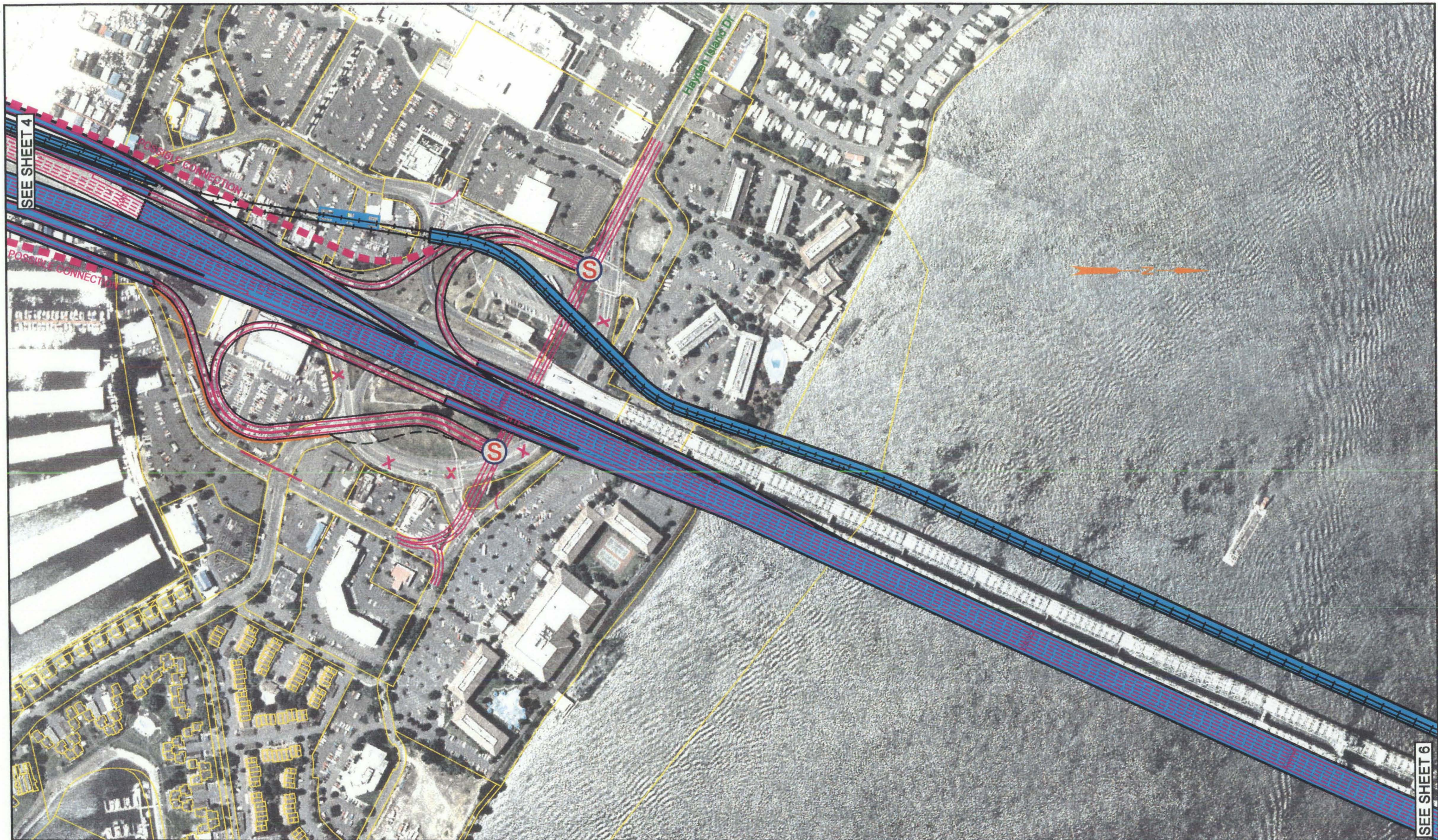
CONCEPT 4 - DOUBLE-DECK STRUCTURE

MARCH 2002

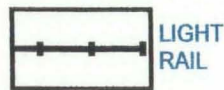
SHEET

4

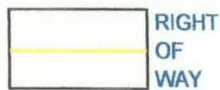
OF 10



LEGEND



LIGHT RAIL



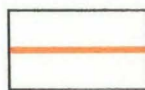
RIGHT OF WAY



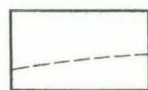
ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 4 - DOUBLE-DECK STRUCTURE

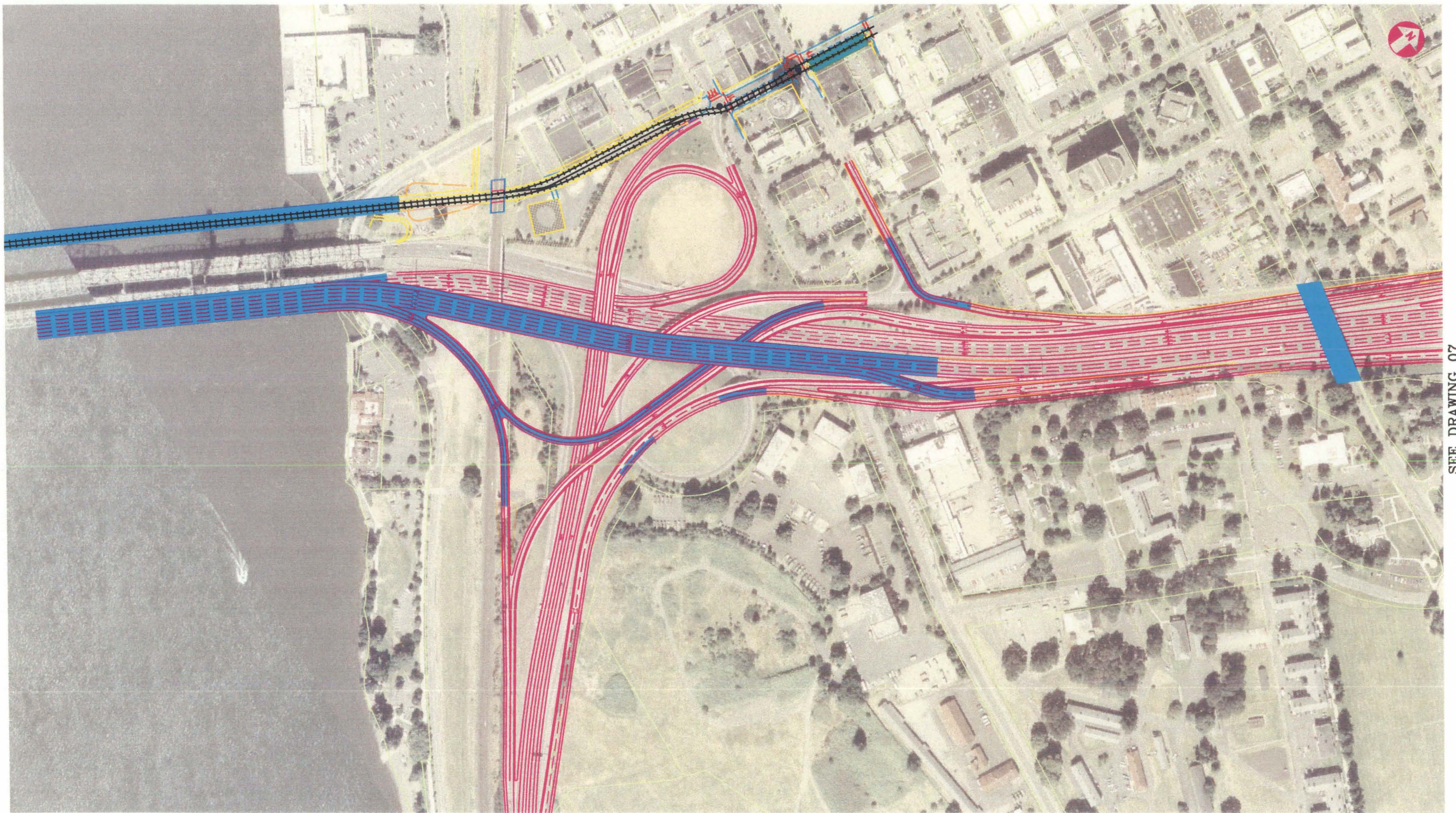
MARCH 2002

SHEET

5

OF 10

SEE DRAWING 05



SEE DRAWING 07

LEGEND

-  LIGHT RAIL
-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 4 - DOUBLE-DECK STRUCTURE

MARCH 2002

SHEET

6

OF XX

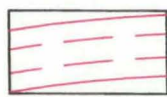
SEE DRAWING 06



LEGEND



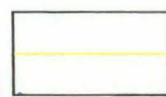
RIGHT OF WAY



ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

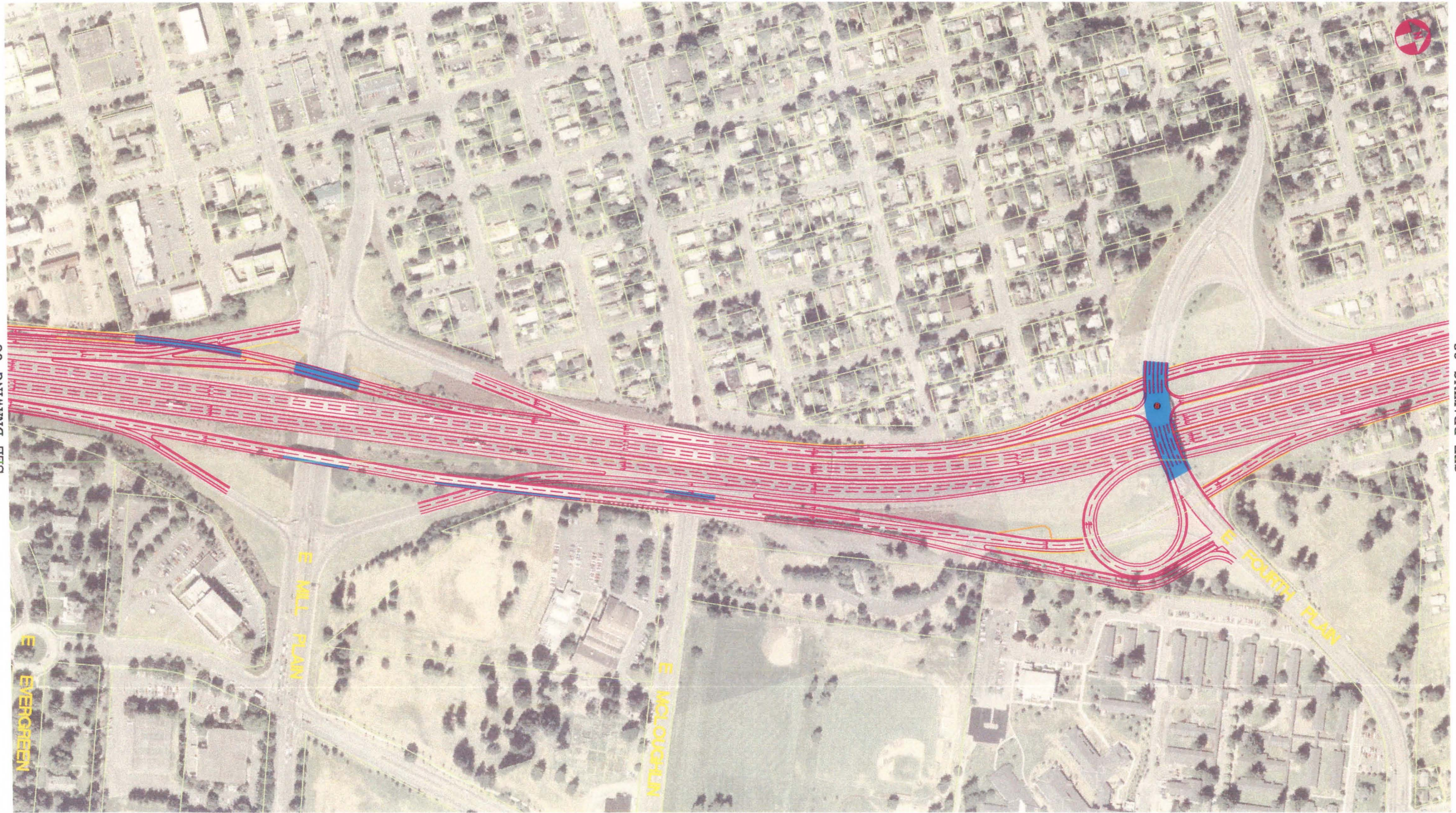
CONCEPT 4 - DOUBLE-DECK STRUCTURE

MARCH 2002

SHEET

6A

OF XX



SEE DRAWING 06

SEE DRAWING 08

LEGEND

-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'

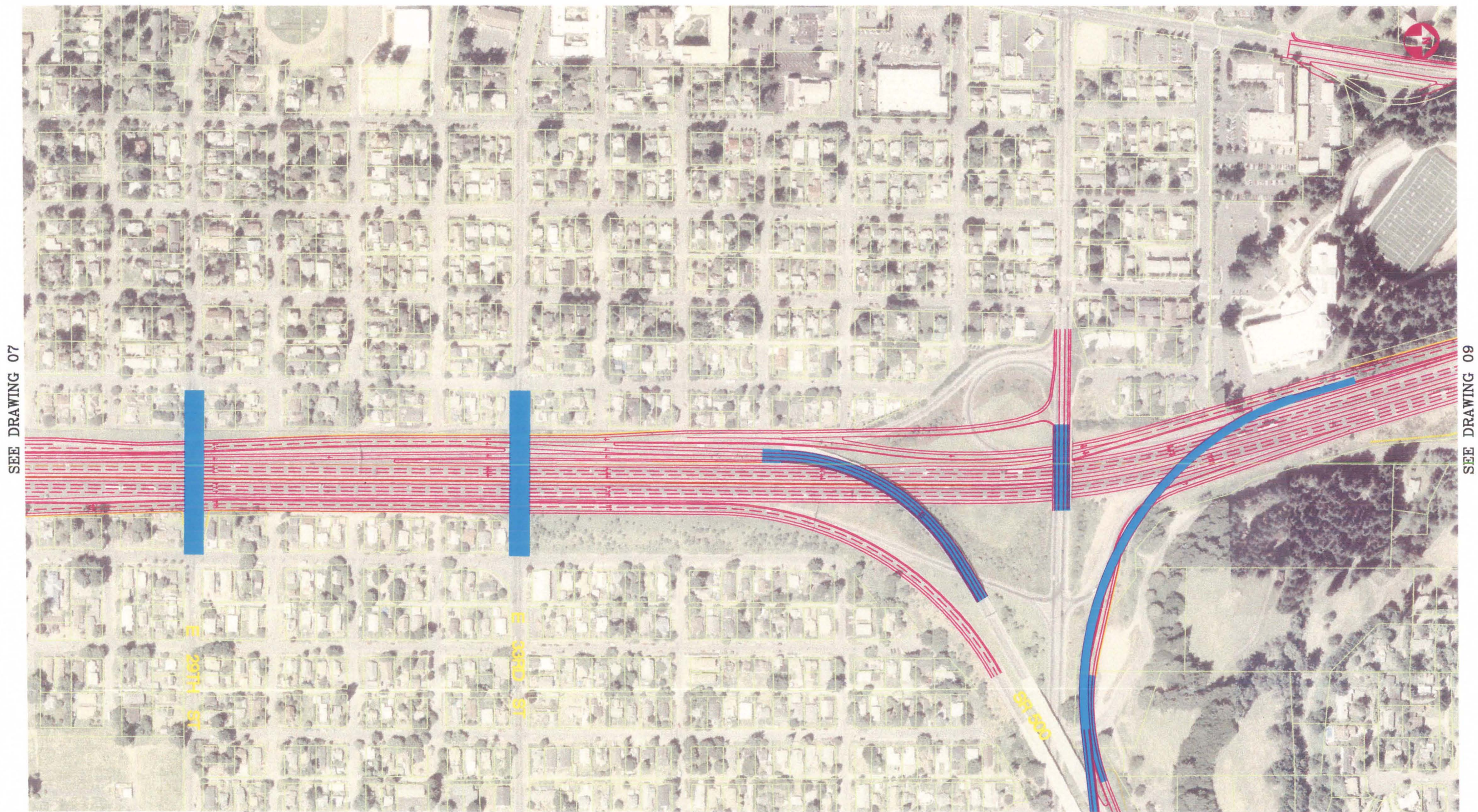


I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 4 - DOUBLE-STRUCTURE

MARCH 2002

SHEET
7
OF XX



SEE DRAWING 07

SEE DRAWING 09

SEE DRAWING 08A

LEGEND

-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP
CONCEPT 4-DOUBLE-DECK STRUCTURE

MARCH 2002
 SHEET
8
 OF XX

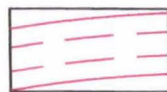
SEE DRAWING 08



LEGEND



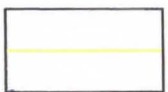
RIGHT OF WAY



ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

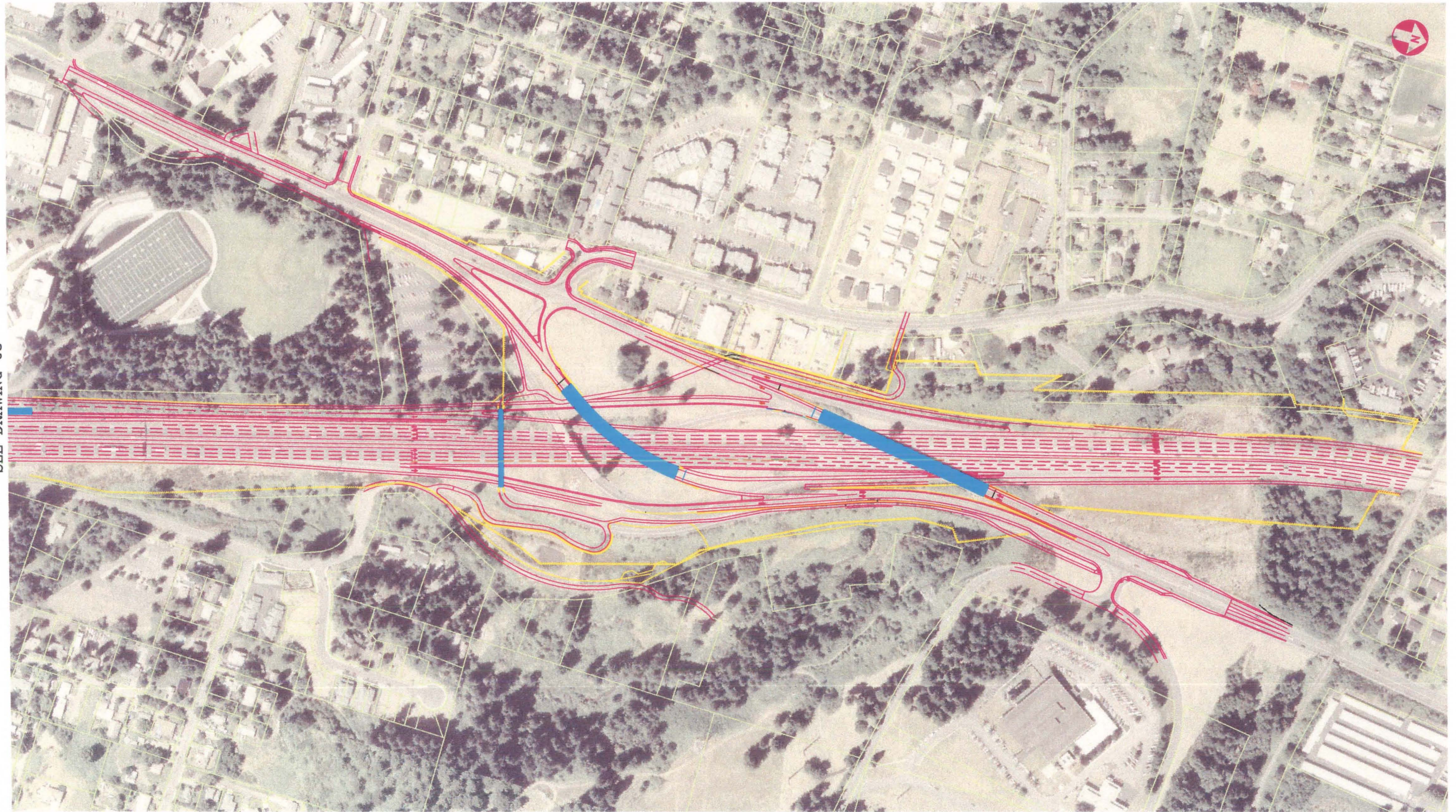
CONCEPT 4-DOUBLE-DECK STRUCTURE

MARCH 2002

SHEET

8A

OF XX



SEE DRAWING 08

LEGEND

SCALE 1" = 300'

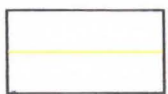
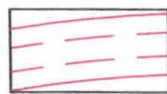
I-5 TRANSPORTATION AND TRADE PARTNERSHIP
CONCEPT 4-DOUBLE-DECK STRUCTURE

MARCH 2002

SHEET

9

OF XX



RIGHT OF WAY

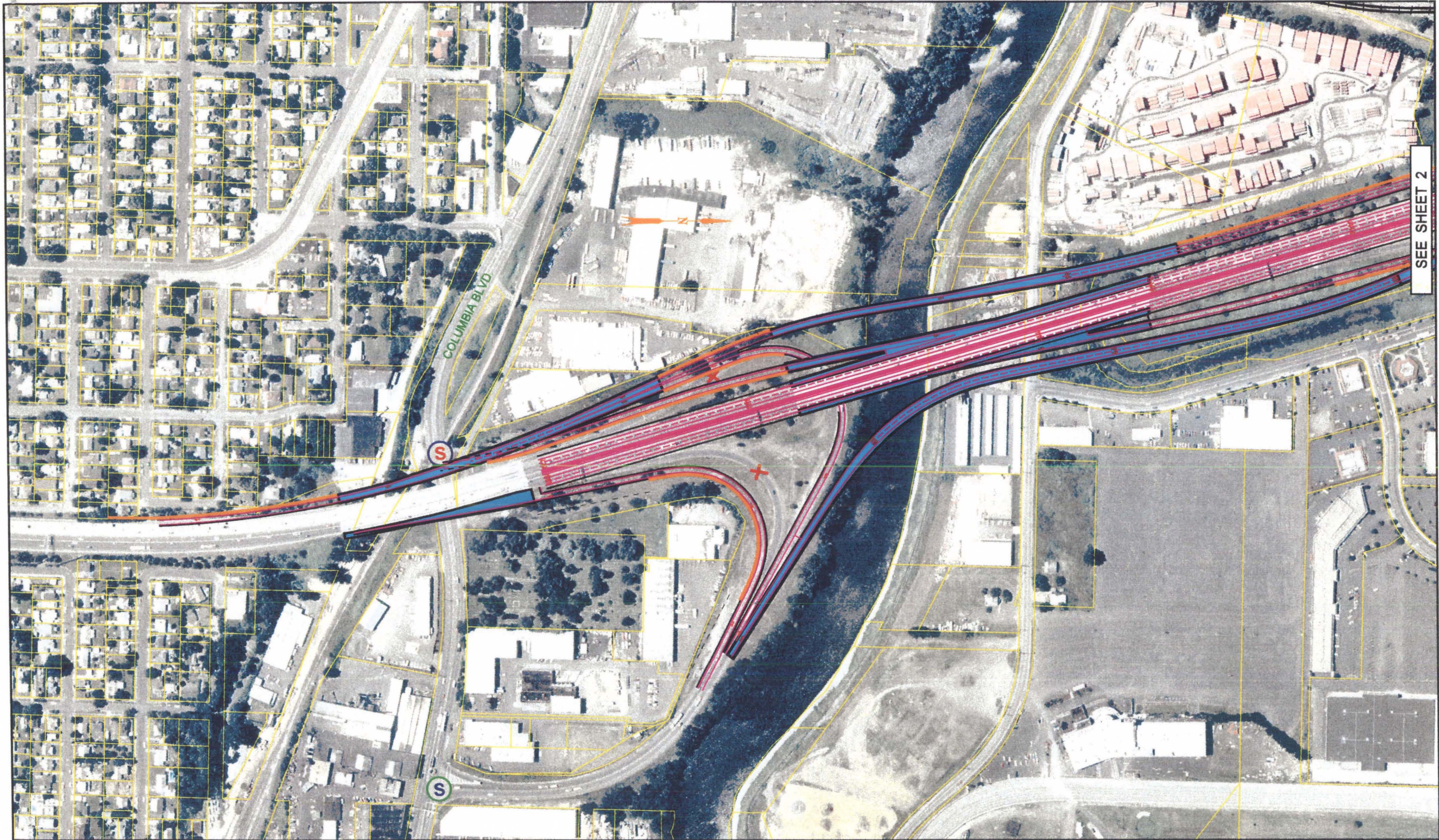
ROADWAY CONSTRUCTION

BRIDGE CONSTRUCTION

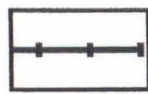
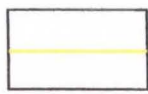
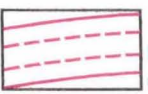

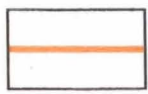
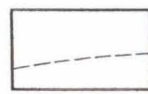
RETAINING WALL

CUT/FILL LIMITS





LEGEND

-  LIGHT RAIL
-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 7 - 3 LANE STRUCTURE WITH ARTERIAL

MARCH 2002

SHEET

1

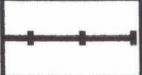
OF 10



SEE SHEET 1

SEE SHEET 3

LEGEND

- 

LIGHT RAIL
- 

RIGHT OF WAY
- 

ROADWAY CONSTRUCTION
- 

BRIDGE CONSTRUCTION
- 

RETAINING WALL
- 

CUT/FILL LIMITS

SCALE 1" = 300'

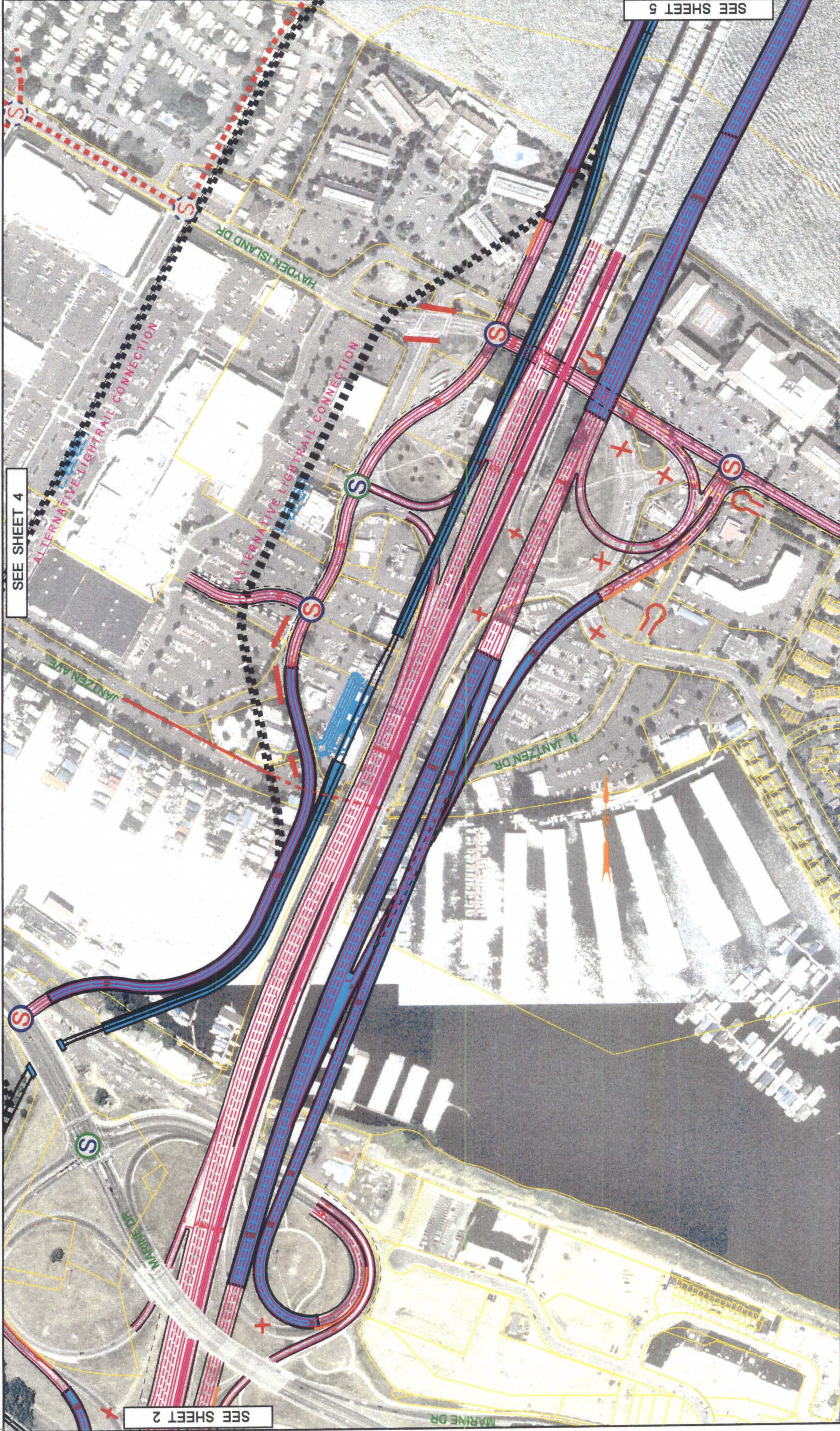


I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 7 - 3 LANE STRUCTURE WITH ARTERIAL

MARCH 2002

SHEET
2
OF 10



SEE SHEET 4

SEE SHEET 2

SEE SHEET 5

MARCH 2002

SHEET 3 OF 10

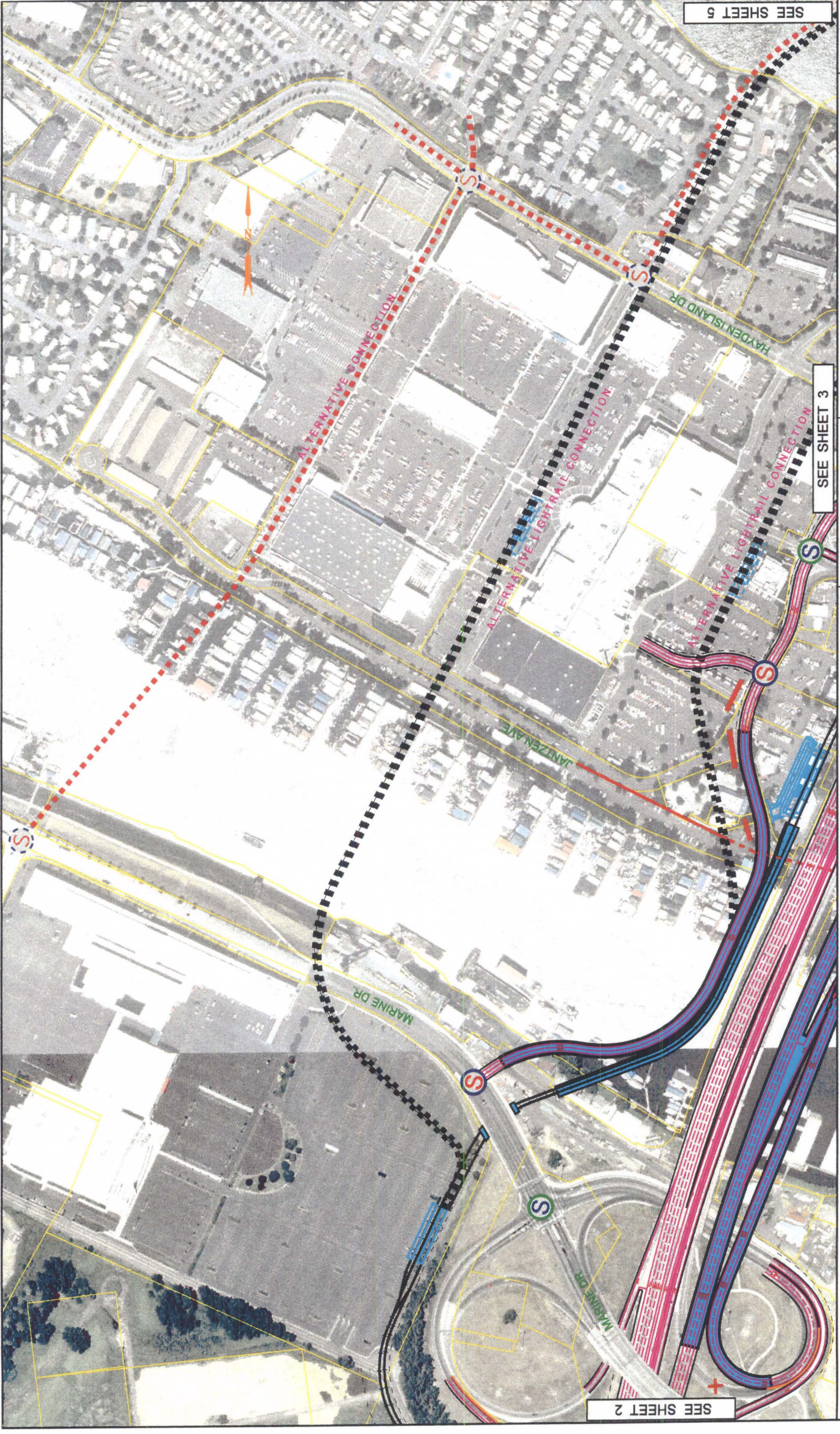
I-5 TRANSPORTATION AND TRADE PARTNERSHIP
 CONCEPT 7 - 3 LANE STRUCTURE WITH ARTERIAL

SCALE 1" = 300'



LEGEND

- LIGHT RAIL
- RIGHT OF WAY
- ROADWAY CONSTRUCTION
- BRIDGE CONSTRUCTION
- RETAINING WALL
- CUT/FILL LIMITS



SEE SHEET 5

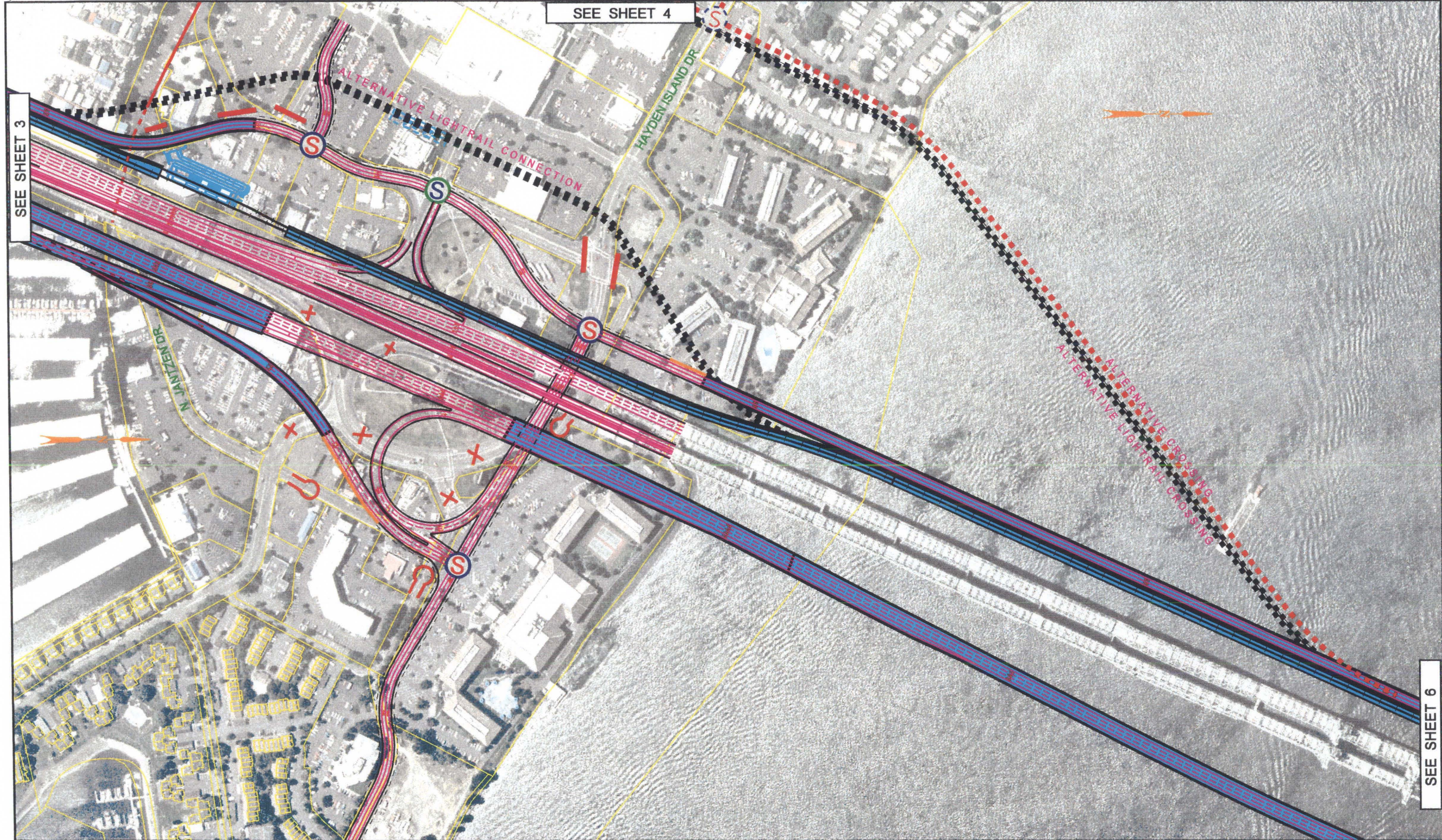
SEE SHEET 3

SEE SHEET 2

MARCH 2002		SHEET 4 OF 10	
I-5 TRANSPORTATION AND TRADE PARTNERSHIP CONCEPT 7 - 3 LANE STRUCTURE WITH ARTERIAL			
		SCALE 1" = 300'	
LEGEND		CUT/FILL LIMITS RETAINING WALL BRIDGE CONSTRUCTION ROADWAY CONSTRUCTION RIGHT OF WAY LIGHT RAIL	

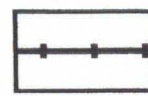
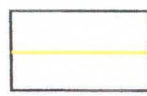

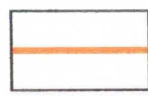

SEE SHEET 4

SEE SHEET 3



SEE SHEET 6

LEGEND

-  LIGHT RAIL
-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'



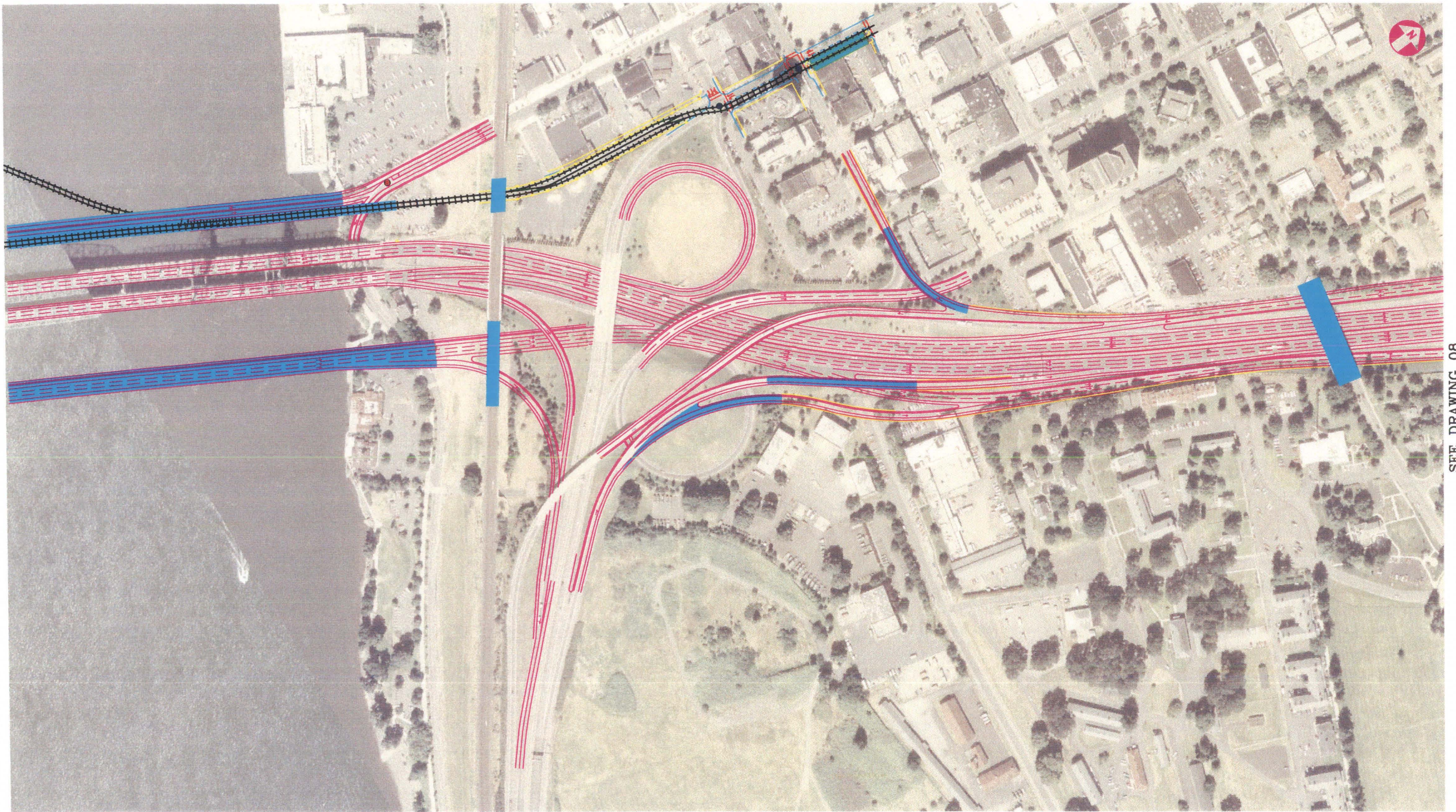
I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 7 - 3 LANE STRUCTURE WITH ARTERIAL

MARCH 2002

SHEET
5
OF 10

SEE DRAWING 06



SEE DRAWING 08

LEGEND

-  LIGHT RAIL
-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP
CONCEPT 7-3 LANE W/ ARTERIAL STR

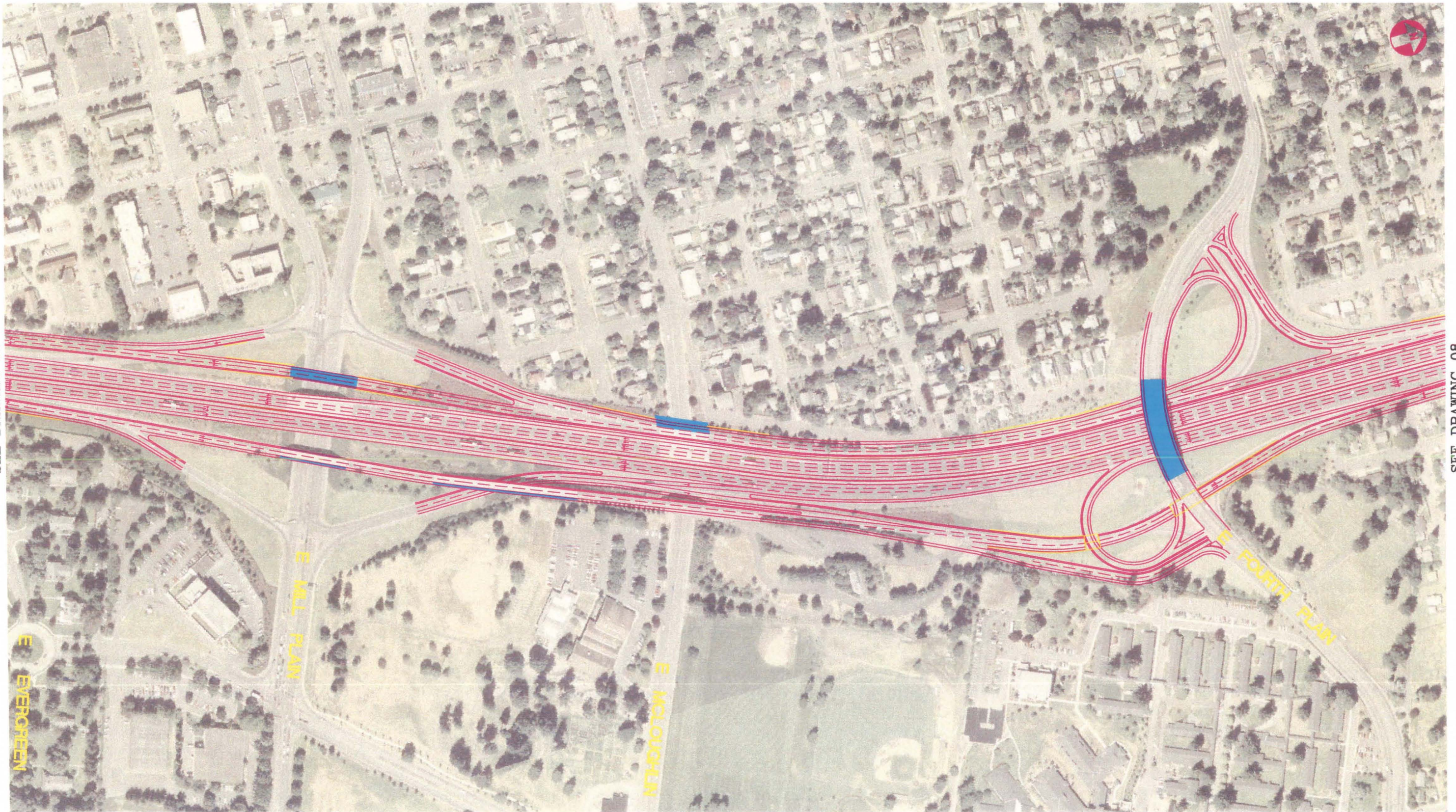
MARCH 2002

SHEET

6

OF XX

SEE DRAWING 06

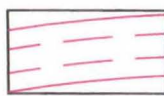


SEE DRAWING 08

LEGEND



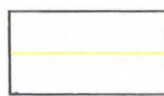
RIGHT OF WAY



ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

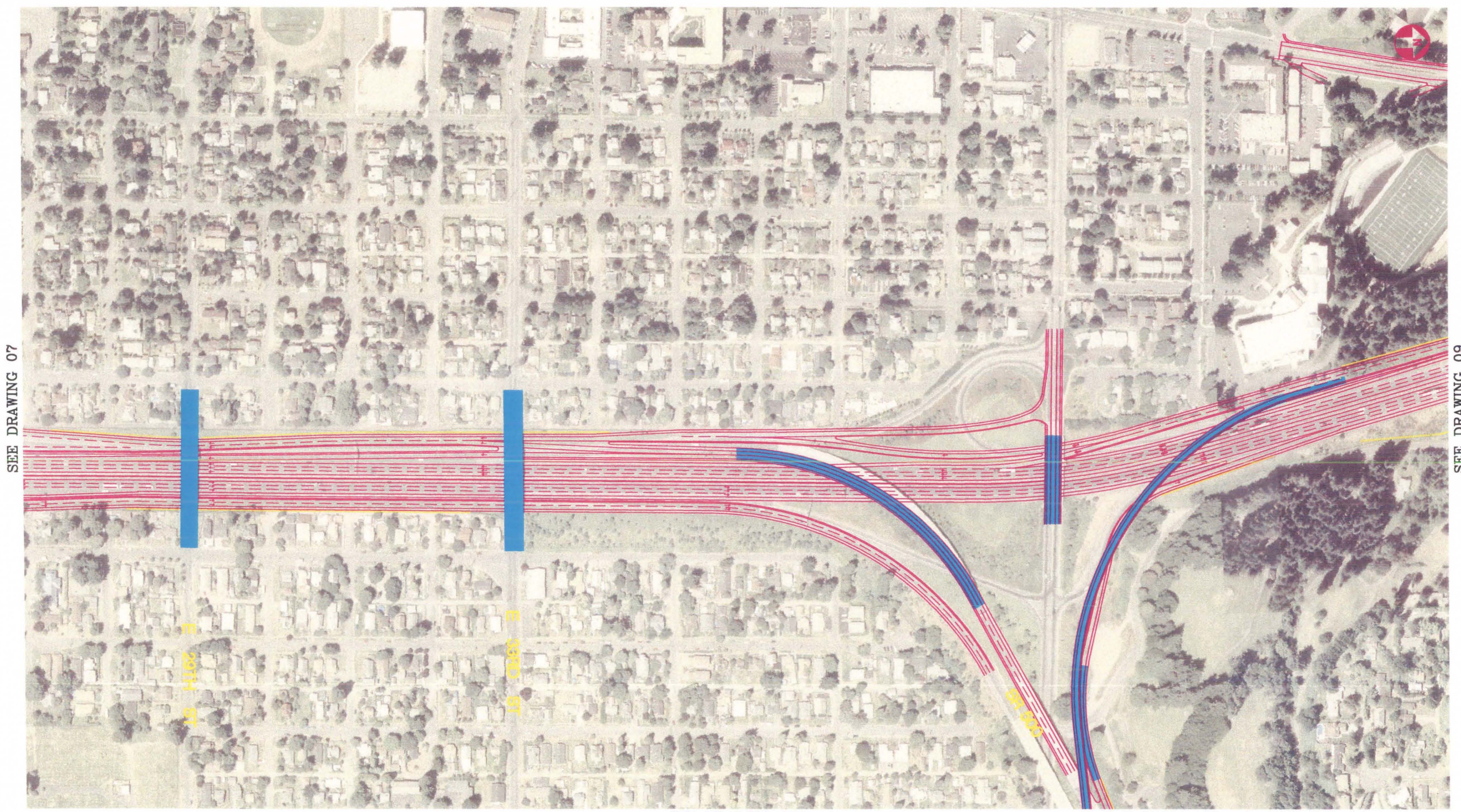
CONCEPT 7-3 LANE W/ ARTERIAL STR

MARCH 2002

SHEET

7

OF XX



SEE DRAWING 07

SEE DRAWING 09

SEE DRAWING 08A

LEGEND

-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP
CONCEPT 7-3LANE W/ ARTERIAL STR

MARCH 2002
 SHEET
8
 OF XX

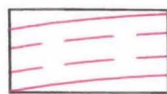
SEE DRAWING 08



LEGEND



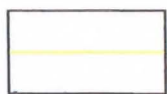
RIGHT OF WAY



ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 7-3 LANE W/ ARTERIAL STR

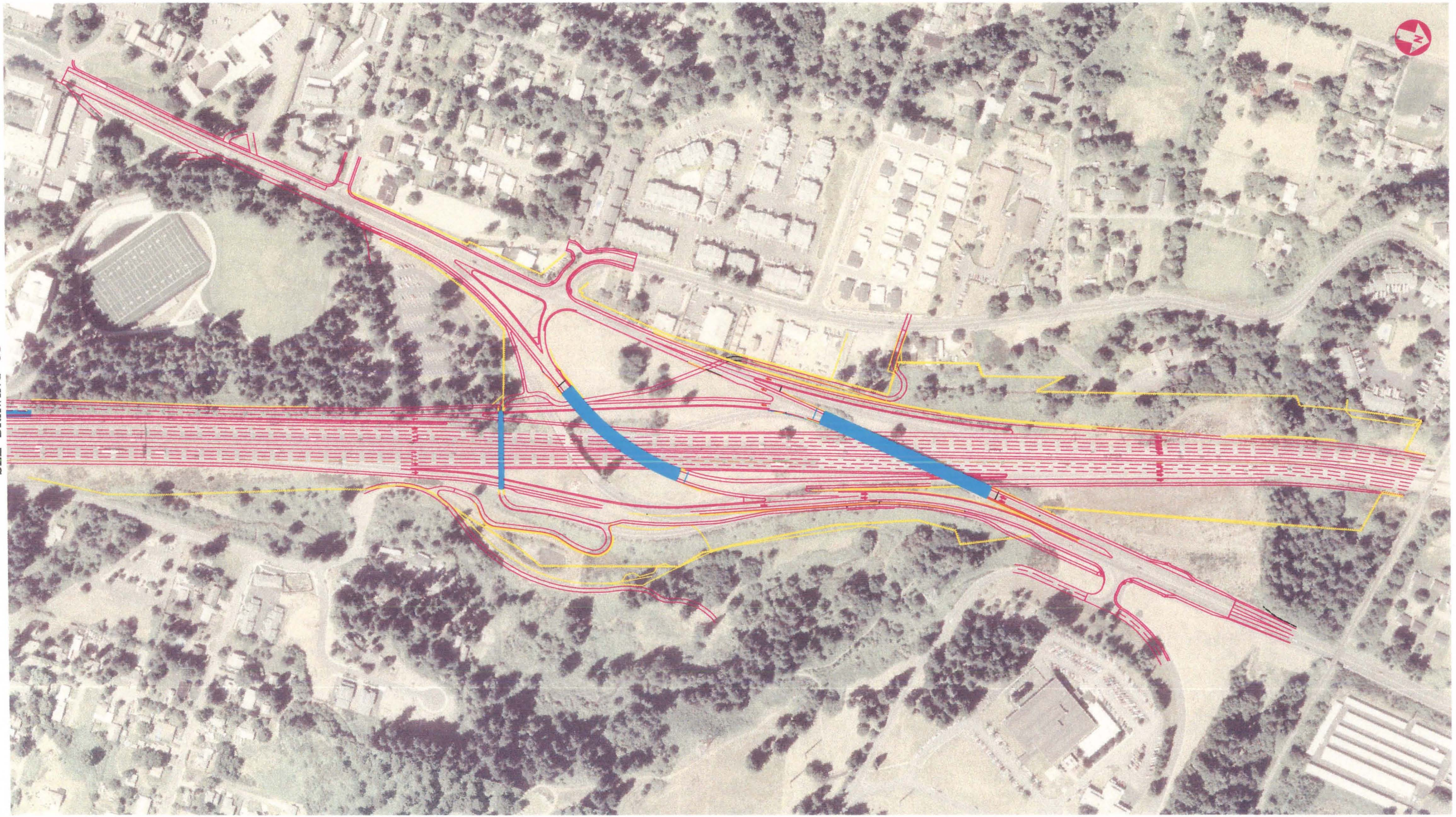
MARCH 2002

SHEET

8A

OF XX

SEE DRAWING 08



LEGEND

-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'

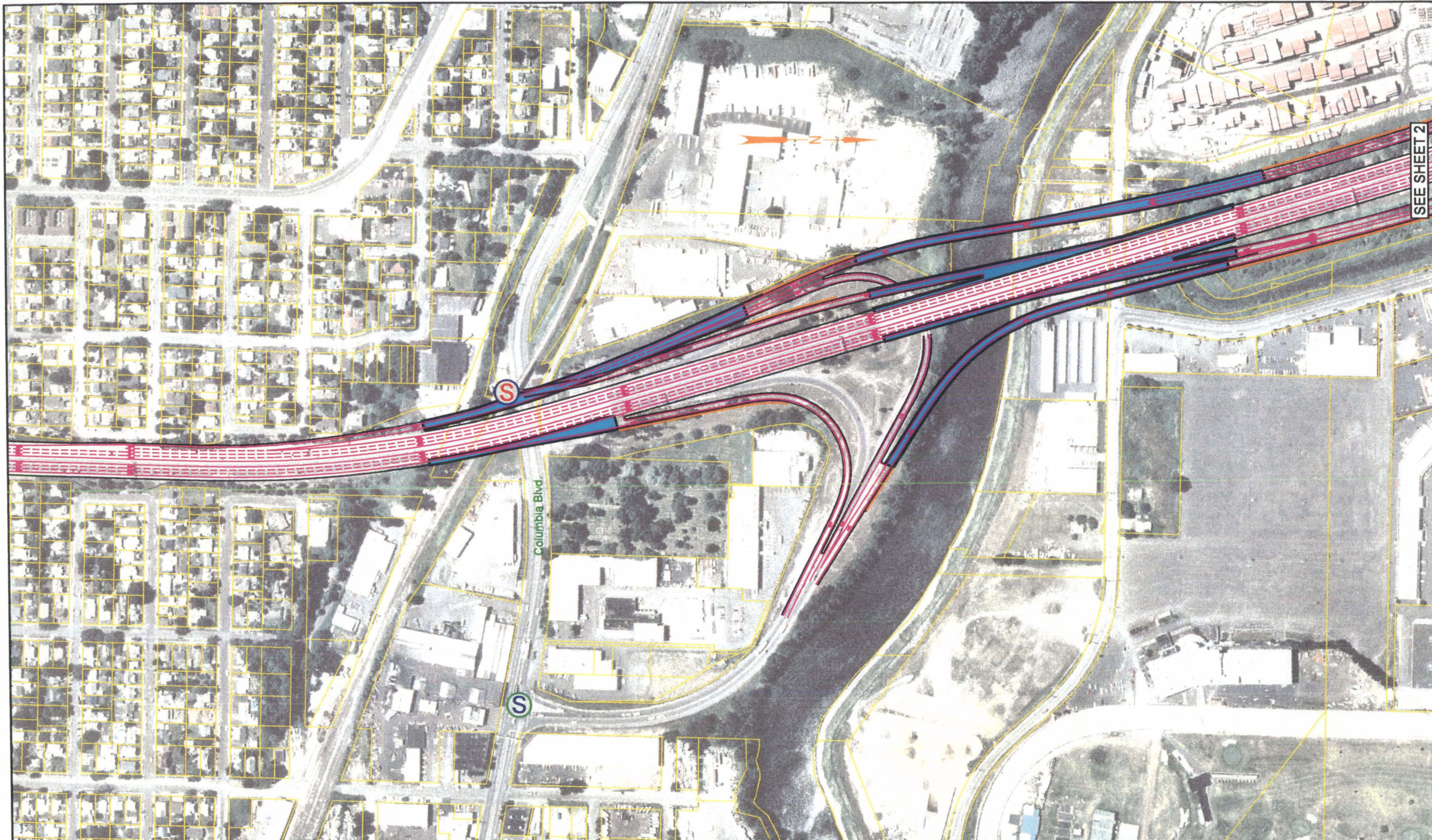


I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 7-3 LANE W/ ARTERIAL STR


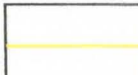



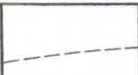
MARCH 2002

SHEET
9
OF XX



SEE SHEET 2

LEGEND

-  LIGHT RAIL
-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'

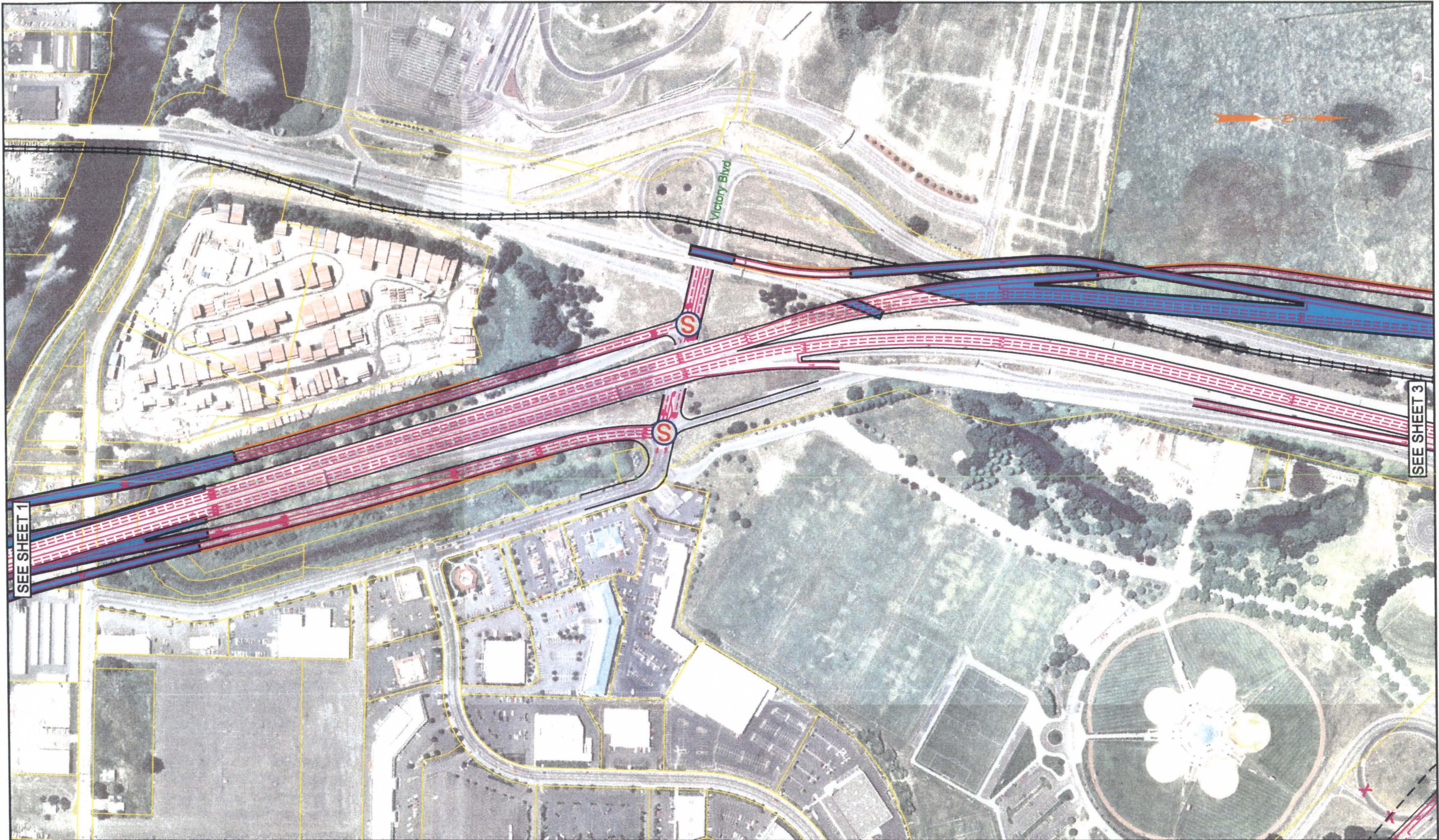


I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 1 - 5 LANE STRUCTURE

MARCH 2002

SHEET
1
OF 10



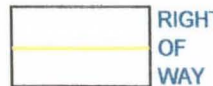
SEE SHEET 1

SEE SHEET 3

LEGEND



LIGHT RAIL



RIGHT OF WAY



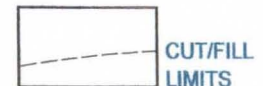
ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

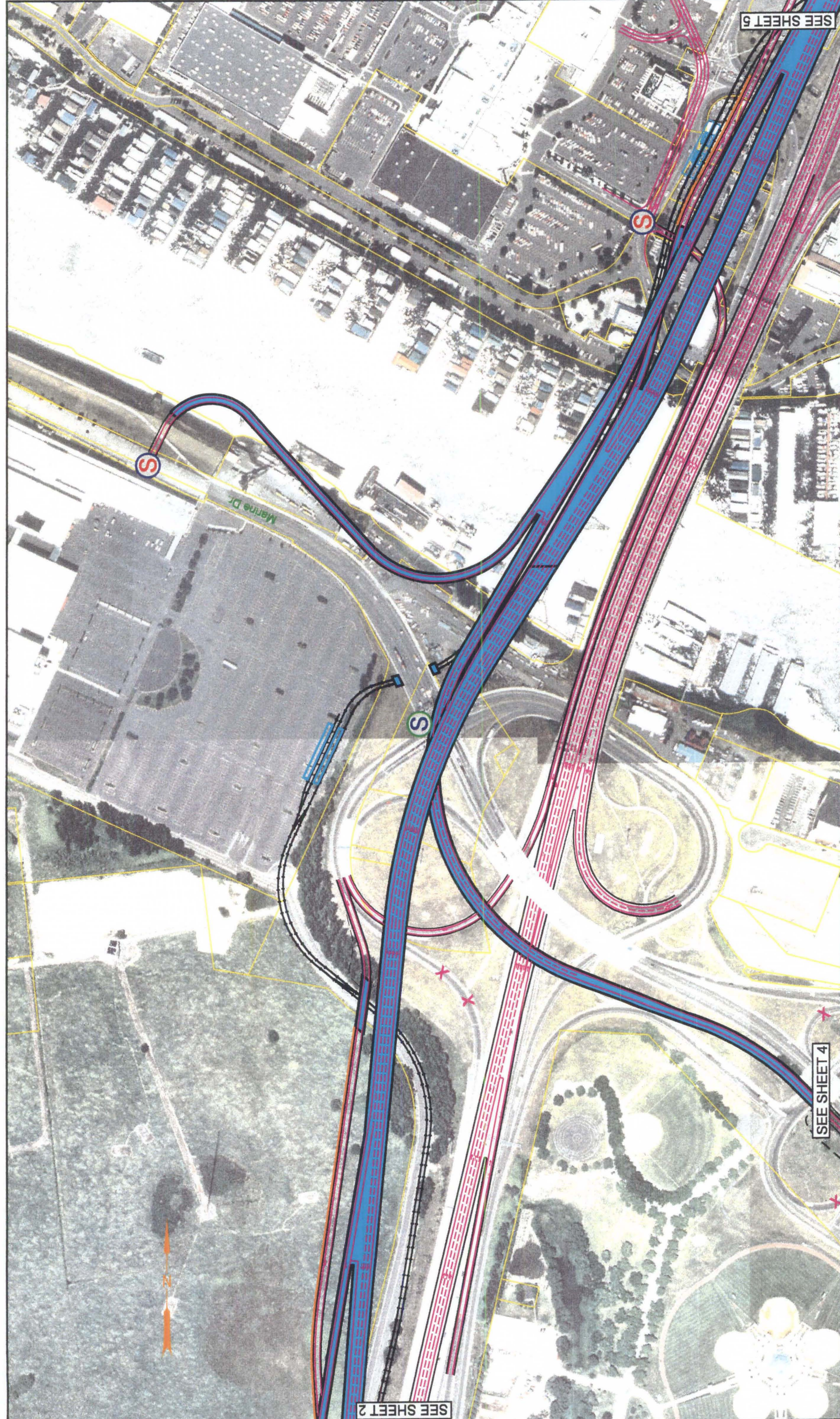
CONCEPT 1 - 5 LANE STRUCTURE

MARCH 2002

SHEET

2

OF 10



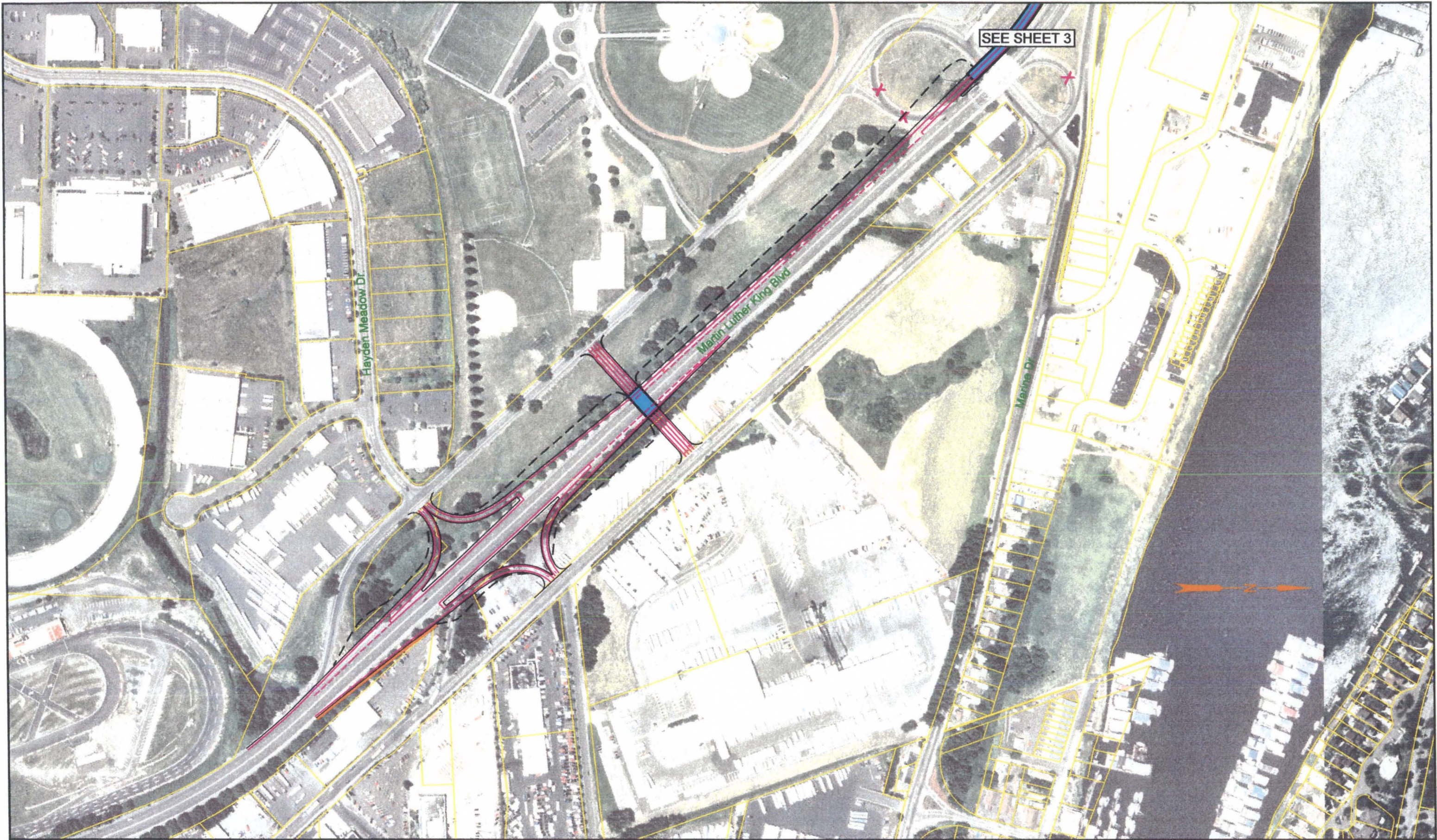
SEE SHEET 5

SEE SHEET 2

SEE SHEET 4

MARCH 2002		SHEET 3 OF 10	
I-5 TRANSPORTATION AND TRADE PARTNERSHIP CONCEPT 1 - 5 LANE STRUCTURE			
		SCALE 1" = 300'	
LEGEND		LIGHT RAIL	RIGHT OF WAY
		ROADWAY CONSTRUCTION	BRIDGE CONSTRUCTION
		RETAINING WALL	CUT/FILL LIMITS

SEE SHEET 4



SEE SHEET 3

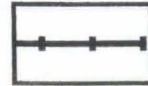
Hayden Meadow Dr

Martin Luther King Blvd

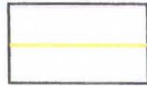
Marine Dr



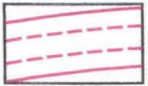
LEGEND



LIGHT RAIL



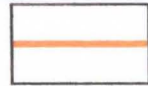
RIGHT OF WAY



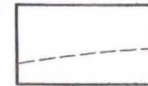
ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

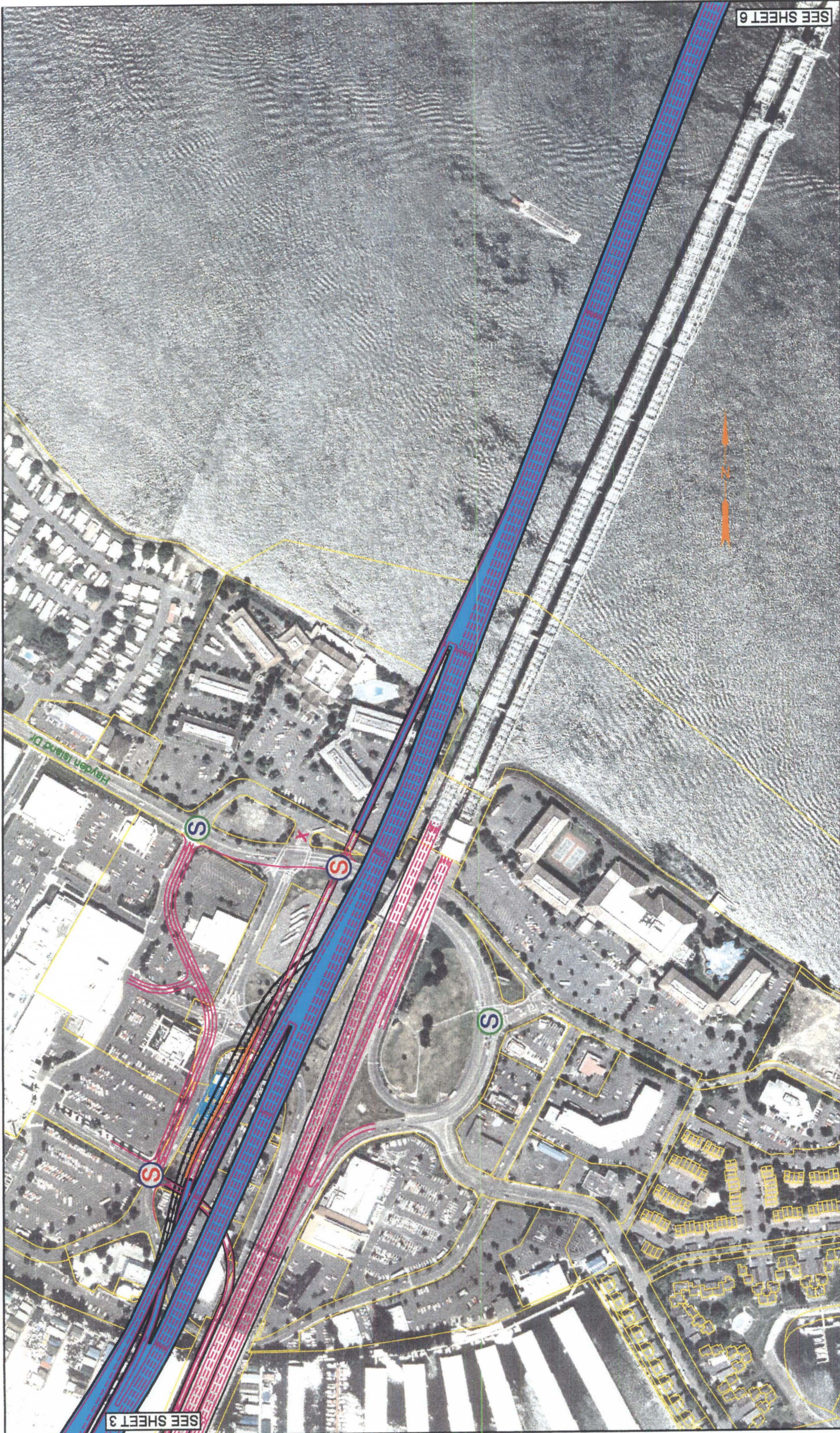
CONCEPT 1 - 5 LANE STRUCTURE

MARCH 2002

SHEET

4

OF 10



SEE SHEET 3

SEE SHEET 6

MARCH 2002

SHEET
5
OF 10

**I-5 TRANSPORTATION
AND TRADE PARTNERSHIP**

CONCEPT 1 - 5 LANE STRUCTURE

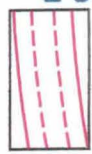
SCALE 1" = 300'



LEGEND



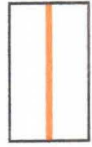
LIGHT RAIL



RIGHT OF WAY



ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION

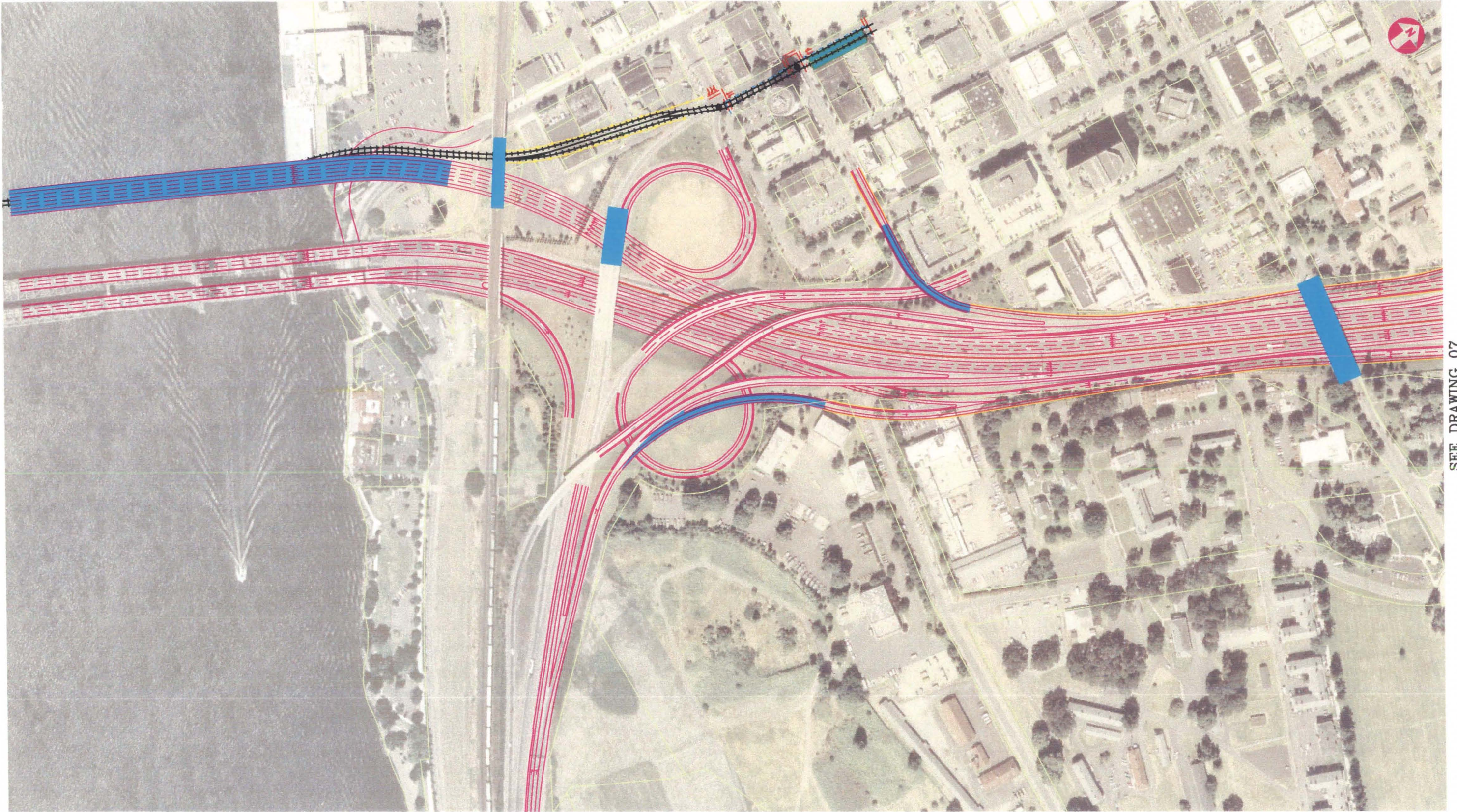


RETAINING WALL



CUT/FILL LIMITS

SEE DRAWING 05



SEE DRAWING 07

SEE DRAWING 06A

LEGEND

-  LIGHT RAIL
-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 1 - 5-LANE STRUCTURE

MARCH 2002

SHEET

6

OF XX

SEE DRAWING 06



LEGEND



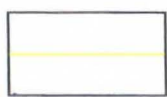
RIGHT OF WAY



ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

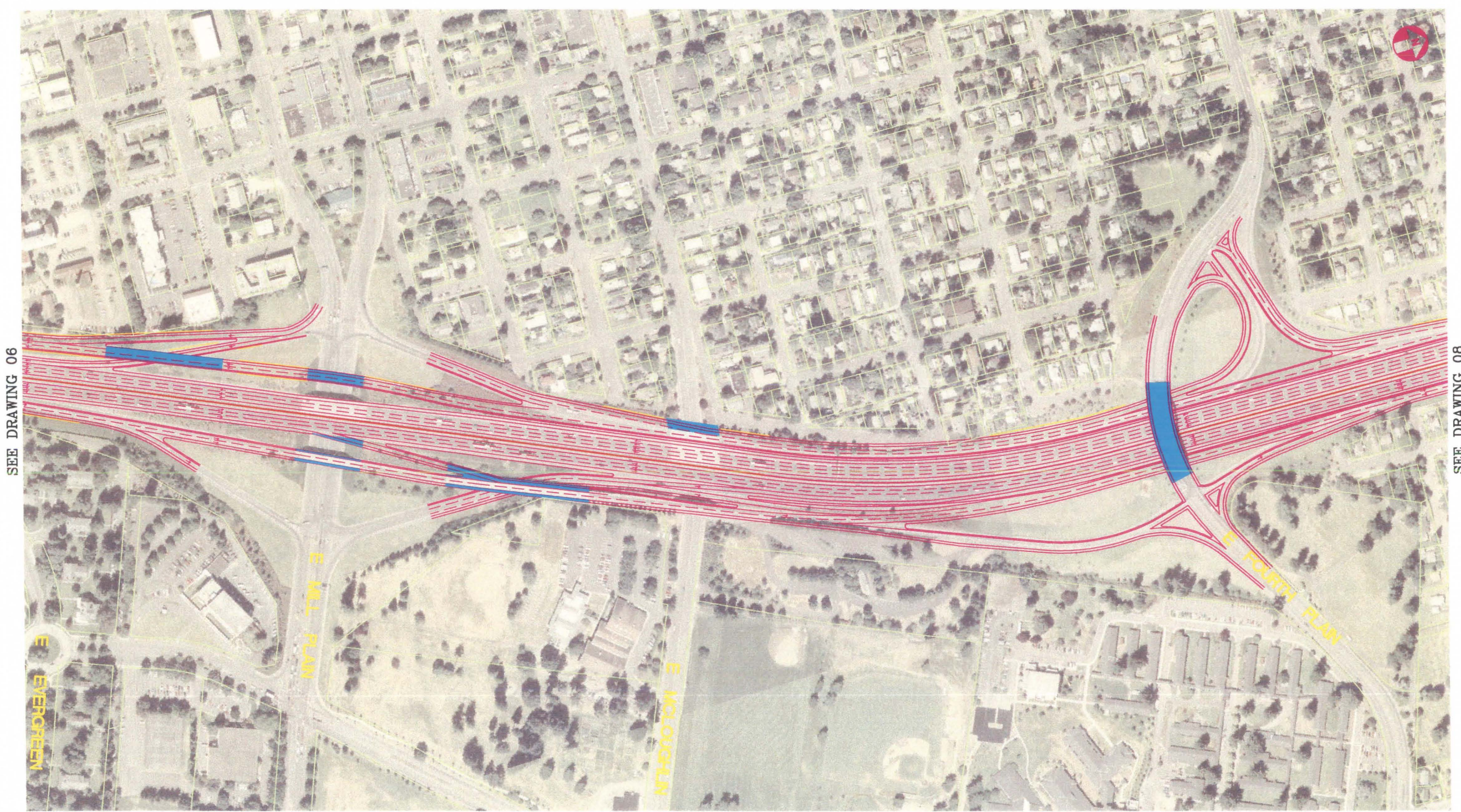
CONCEPT 1 - 5 LANE STRUCTURE

MARCH 2002

SHEET

6A

OF XX



SEE DRAWING 06

SEE DRAWING 08

LEGEND

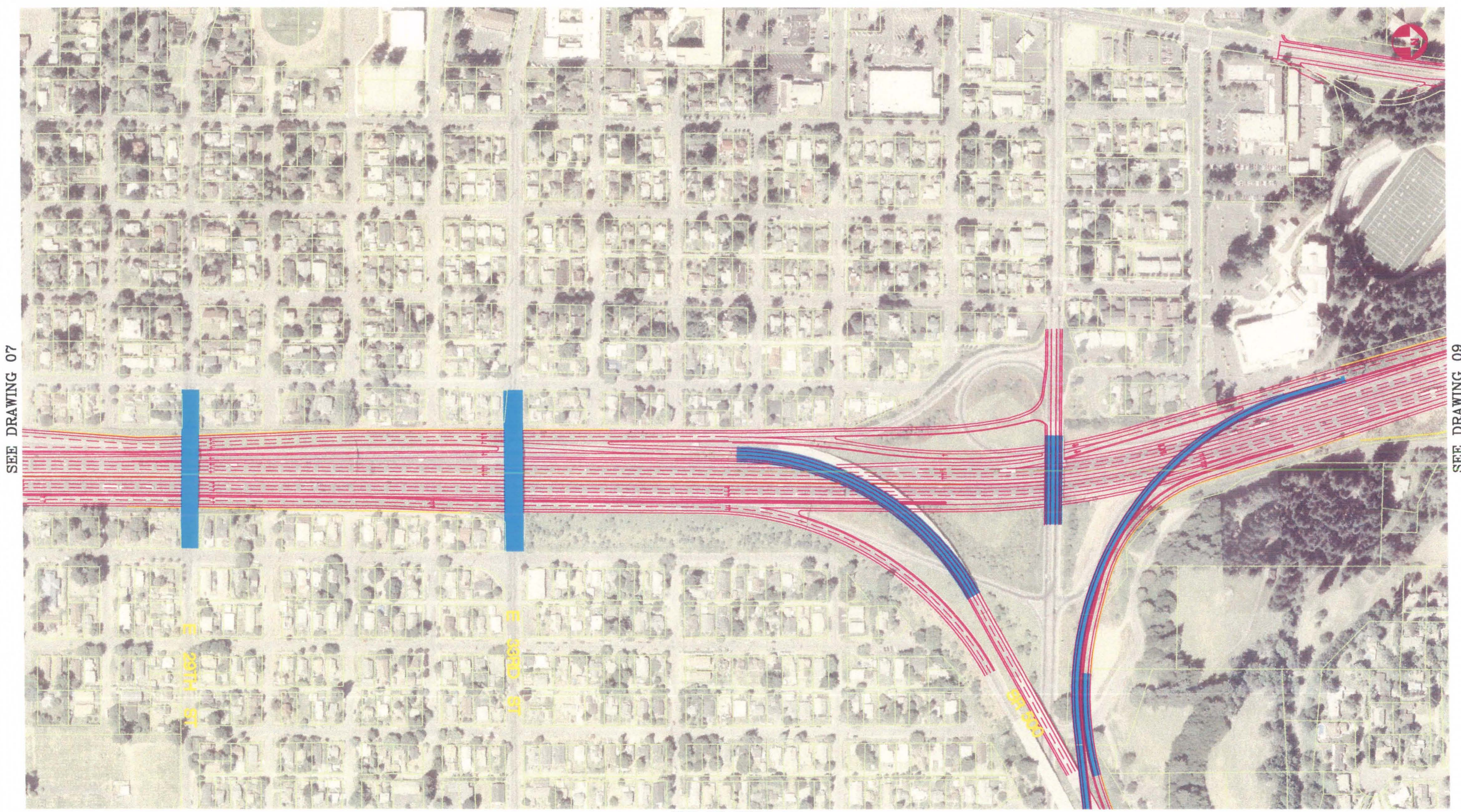
-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP
CONCEPT 1 - 5 LANE STRUCTURE

MARCH 2002
 SHEET
7
 OF XX



SEE DRAWING 07

SEE DRAWING 09

SEE DRAWING 08A

LEGEND

-  RIGHT OF WAY
-  ROADWAY CONSTRUCTION
-  BRIDGE CONSTRUCTION
-  RETAINING WALL
-  CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP
CONCEPT 1 - 5 LANE STRUCTURE

MARCH 2002
 SHEET
8
 OF XX

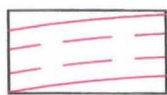
SEE DRAWING 08



LEGEND



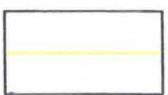
RIGHT OF WAY



ROADWAY CONSTRUCTION



BRIDGE CONSTRUCTION



RETAINING WALL



CUT/FILL LIMITS

SCALE 1" = 300'



I-5 TRANSPORTATION AND TRADE PARTNERSHIP

CONCEPT 1 - 5 LANE STRUCTURE

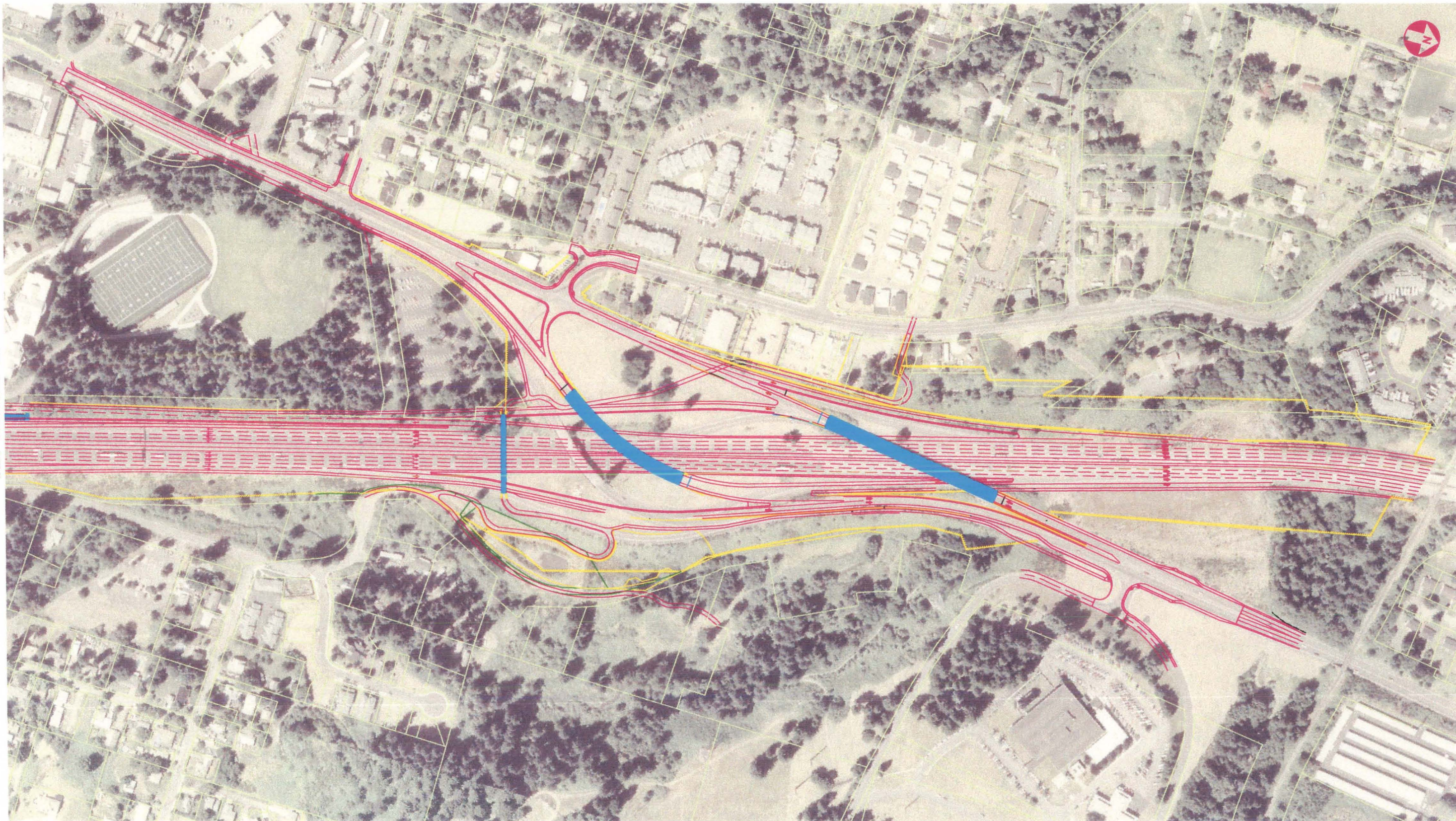
MARCH 2002

SHEET

8A

OF XX

SEE DRAWING 08



LEGEND



SCALE 1" = 300'



**I-5 TRANSPORTATION
AND TRADE PARTNERSHIP**

CONCEPT 1 - 5 LANE STRUCTURE

MARCH 2002

SHEET
9
OF XX