

Proposed Project Solutions

-**1**-**1**-- SEISMIC UPGRADES

The project upgrades the Abernethy Bridge and the eight other I-205 **bridges** in the project area to withstand a major earthquake. I-205 is designated as a statewide northsouth lifeline route, which means it must be operational quickly after a disaster renders other roadways unusable or impassable. This critical route will provide supplies and services to the region.

I-205 WIDENING

- The project adds a third lane in each direction Stafford Road and OR 99E. It also adds a between OR 99E and OR 213.
- Widening I-205 requires blasting in order to remove the rock from the rock slope located in West Linn on the northbound side of I-205 between the Sunset Avenue overcrossing and just south of the OR 43 interchange. We determine impacts of the blasting, potential

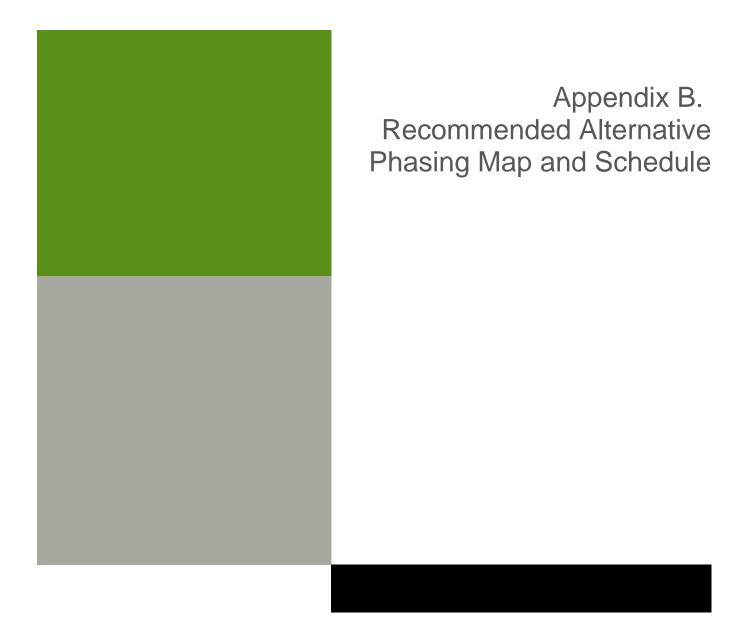
INTERCHANGE IMPROVEMENTS

In order to improve safety and travel-time predictability on I-205, the project makes changes to on- and off-ramps and intersections around interchanges.

- OR 43 interchange: the project removes the current I-205 northbound on-ramp from OR 43 northbound. Northbound traffic will instead use a new left turn to access the existing on-ramp loop to I-205 northbound. Consolidating these two separate northbound access points eliminates the merging and weaving that currently occurs and reduces rear end crashes. The Broadway Street bridge overcrossing will also be removed. See inset below.
- Analysis is still underway for other intersection improvements at OR 43 and OR 99E. We will present these findings later in the design process.



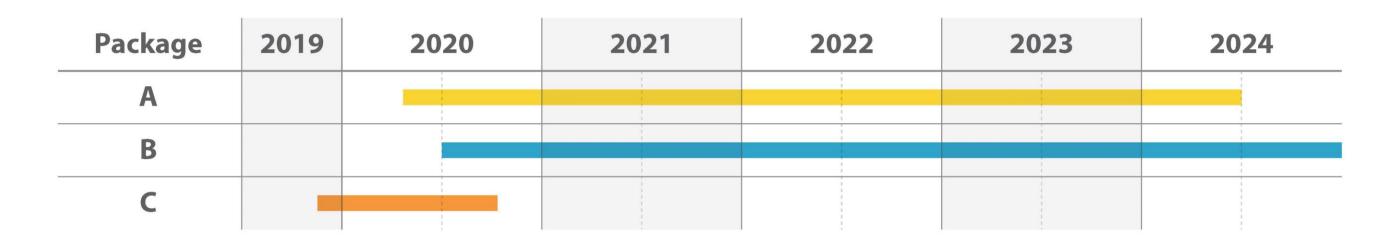




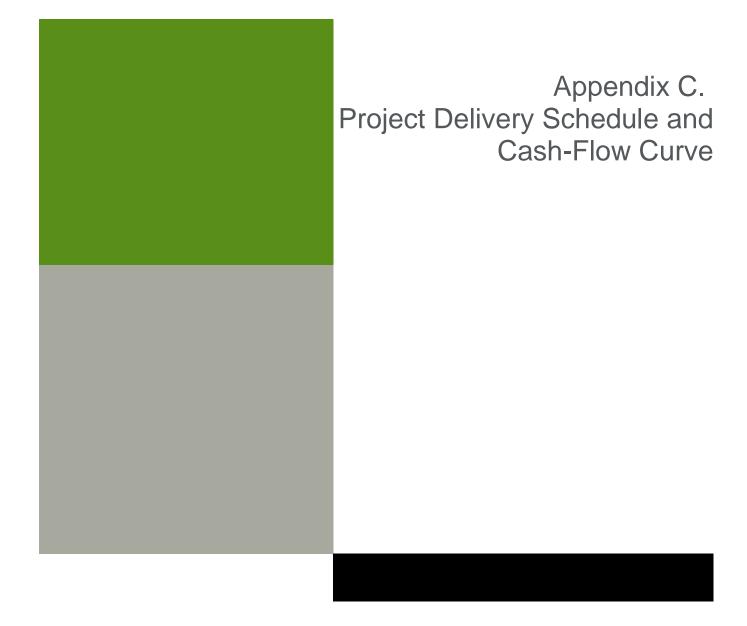


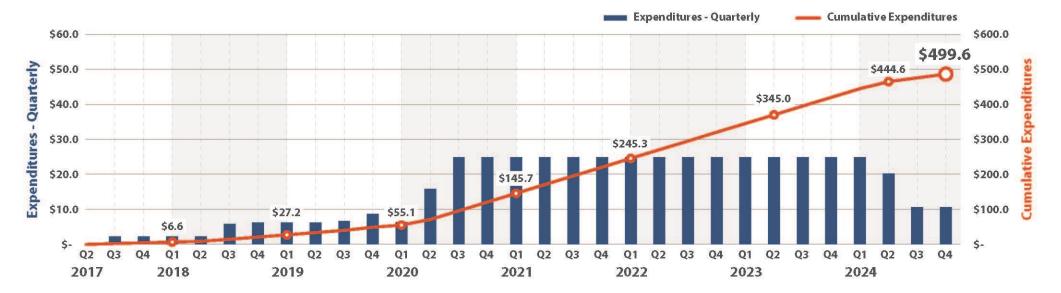
Recommended Construction Phasing Map and Schedule







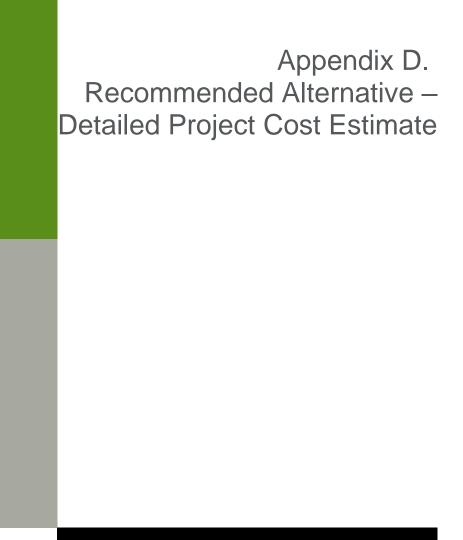




Project Delivery Schedule: Design / Contracting / Construction









Detailed Project Cost Estimate

	PROGROMMATIC OPINION OF COST							
NO.	BID ITEM CODE	ITEM	CONSTRUCTION VARIABILITY CONTINGENCY	Northern Package PACKAGE A (ABERNETHY BRIDGE)	Southern Package PACKAGE B	PACKAGE C	TOTAL COST	
		200 - TEMPORARY F	(Range 0%-20%)		(Party Fithan First Fithan Fithan	A THINK		
0010	0210-0100000A	MOBILIZATION 200 - TEMPORART P	0%	\$ 14,826,200.00	\$ 11,650,800.00	\$ 319,600.00	\$26,796,600.00	
0020	0100-0101000T	TRAINING	0%	\$ 370,700.00		\$ 8,000.00	\$670,000.00	
0030	0225-0100000A	TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	0%	\$ 7,413,100.00		\$ 159,800.00	\$13,398,300.00	
0040	0256-0109000J	TEMPORARY RETAINING WALL	10%	\$ 112,200.00	\$ -	\$ -	\$112,200.00	
0050	0280-0100000A	EROSION CONTROL	0%	\$ 1,482,600.00			\$2,679,700.00	
0060	0294-	HAZMAT	0%	\$ 741,300.00		\$ 16,000.00	\$1,339,800.00	
0070	0294-9Z90000K	CONTAMINATED SOIL MANAGEMENT	15%	\$ 175,400.00	\$ 1,784,800.00	\$ -	\$1,960,200.00 \$46,956,800.00	
		30	00 - ROADWORK				340,830,800.00	
0080	0305-0100000A	CONSTRUCTION SURVEY WORK	0%	\$ 1,482,600.00	\$ 1,165,100.00	\$ 32,000.00	\$2,679,700.00	
0090	0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	0%	\$ 741,300.00		\$ 16,000.00	\$1,339,800.00	
0100	0320-0100000R	CLEARING AND GRUBBING	15%	\$ 157,300.00	The state of the s	\$ -	\$579,100.00	
0110	0330-0105000K	GENERAL EXCAVATION	15%	\$ 780,000.00	\$ 3,650,700.00	\$ -	\$4,430,700.00	
0120	0331-0112000J	24 INCH SUBGRADE STABILIZATION	10%	\$ 128,400.00		\$ -	\$506,100.00	
0130	0344-0101000J	TREATED SUBGRADE, 9 INCHES THICK	10%	\$ 119,500.00			\$1,330,800.00	
0140	0344-0108000M	PORTLAND CEMENT	10%	\$ 47,800.00 \$ 37,700.00			\$531,800.00	
0150	0350-0105000J	SUBGRADE GEOTEXTILE	15%	\$ 37,700.00	\$ 284,600.00	\$ -	\$322,300.00 \$11,720,300.00	
		400 - DR	AINAGE AND SEW	/ERS			\$11,720,300.00	
0160	0405-0100000K	ROCK EXCAVATION	20%	S -	\$ 5,478,000.00	\$ -	\$5,478,000.00	
0170		ROCK PRE-SPLITTING	20%	\$ -	\$ 600,000.00		\$600,000.00	
0180		PRE-SURVEY	20%	\$ -	\$ 120,000.00	\$ -	\$120,000.00	
0190		POST-SURVEY	20%	\$ -	\$ 120,000.00	\$ -	\$120,000.00	
0200	04XX-	DRAINAGE	20%	\$ 945,600.00	\$ 1,339,500.00	\$ -	\$2,285,100.00	
0210		4F/6F MITIGATION	10%	\$ 220,000.00	\$ 330,000.00	\$ -	\$550,000.00	
\vdash							\$9,153,100.00	
		510 - Bridge Nos	. 09738 & 09738A	(Borland Rd.)			4411441144144	
0220	05XX-	REPLACEMENT	10%	\$ -	\$ 6,908,000.00	\$ -	\$6,908,000.00	
		•		A-0.00			\$6,908,000.00	
	Ti.		09737 & 09737A (1				15	
0230	05XX-	REPLACEMENT	10%	\$ -	\$ 21,692,000.00	\$ -	\$21,692,000.00	
\vdash		FOO Duidne Nee	00725 9 007254 ()	Mandhina Dd \			\$21,692,000.00	
0240	05XX-	REPLACEMENT	09735 & 09735A (V	s -	\$ 4.692,000.00	•	T 64 602 000 00	
0240	05AA-	REPLACEMENT	15%		3 4,692,000.00	-	\$4,692,000.00 \$4,692,000.00	
		525 - Bridge Nos. 0	9734 & 09734A (BI	ankenship Rd.)			04,002,000.00	
0250	05XX-	RETROFIT/WIDENING/BRIDGE RAISING	10%	\$ -	\$ 2,420,000.00	\$ -	\$2,420,000.00	
		Valence livers and		varialistic contract contracts			\$2,420,000.00	
		· · · · · · · · · · · · · · · · · · ·	os. 09728 & 09728	with the same of t			*	
0260	05XX-	RETROFIT/WIDENING/BRIDGE RAISING	10%	\$ -	\$ 2,420,000.00	\$ -	\$2,420,000.00	
		535 - Bridge	e No. XXXXX (Suns	set Ave)			\$2,420,000.00	
0270	05XX-	REPLACEMENT	10%		\$ 2,684,000.00	s -	\$2,684,000.00	
	30701	The arrow armacon		and a second			\$2,684,000.00	
	.,	540 - Bridg	je No. XXXXX (Wes	st A St.)				
0280	05XX-	REPLACEMENT	10%	\$ -	\$ 3,410,000.00		\$3,410,000.00	
0290	05XX-	TRAFFIC MITIGATION	10%	\$ -	\$ 137,500.00	\$ -	\$137,500.00	
\vdash		CASC Detains	N - 00700 /D	C4.3			\$3,410,000.00	
0300	05XX-	DEMOLITION/REMOVAL	No. 09703 (Broad	s -	\$ 748,000.00	s -	\$748,000.00	
0300	03/A-	IDEMOCH IOWAL MOVAL	10%	-	140,000.00	-	\$748,000.00	
		550 - Bridge Nos. 09403	3, 09403A, 09403C.	09403R (Abernethy)			T. 101000100	
0310	05XX-	ABERNETHY BRIDGE	15%	\$ 106,800,500.00	\$ -	\$ -	\$106,800,500.00	
0320	05XX-	ABERNETHY BRIDGE, SB RAMP	10%	\$ 5,104,000.00		\$ -	\$5,104,000.00	
0330	05XX-	ABERNETHY BRIDGE, NB RAMP	10%	\$ 357,500.00		\$ -	\$357,500.00	
0340	05XX-	HYDRAULIC MITIGATION	10%	\$ 154,000.00		\$ -	\$154,000.00	
0350	05XX-	ABERNETHY CREEK MITIGATION	10%	\$ 544,500.00		\$ -	\$544,500.00	
0360 0370	05XX- 05XX-	TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD	10% 5%	\$ 330,000.00 \$ 15,750,000.00		\$ - S -	\$330,000.00 \$15,750,000.00	
0370	UUAA-	TOPO LEGISMONE MILITANTION FOR ENTERAL OFICEAD	1 0.70	10,730,000.00			\$129,040,500.00	
		555 - Brid	ige No. 09702 (Mai	in St.)			- 12-j- 10j00010V	
0380	05XX-	RETROFITWIDENING	10%	\$ 4,807,000.00	\$ -	\$ -	\$4,807,000.00	
							\$4,807,000.00	
		560	- Retaining Walls	Tarabo a	Torus accessors	Pro-	1	
0390	0596-0108000A	RETAINING WALL, MSE NO. 001	10%	\$ -	\$ 154,000.00	\$ -	\$154,000.00	
0400	0596-0108000A	RETAINING WALL, CAST-IN-PLACE GRAVITY	10%	\$ 1,221,000.00	s -	s -	\$1,221,000.00	
0400	0000-0100000A	TE PARTIE WALL, ONOT-IN-I LAGE ORAVITT	10.0	1,221,000.00	E .		91,221,000.00	
0410	0597-0100000J	SOUND WALLS	10%	s -	\$ 1,654,800.00	s -	\$1,654,800.00	
NATIONAL PROPERTY.	over mesende	and the second of the second o	(14.25.75)		COMPANY CONTROL OF CON		2 20 20 20 20 20 20 20 20 20 20 20 20 20	
		1	1				\$3,029,800.00	
			600 - BASES	-				
0410		COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	15%	\$ 10,100.00		THE REAL PROPERTY.	\$13,800.00	
0420	0640-XXXXXXX	ICTB	10%	\$ -			\$95,600.00	
0430	0640-XXXXXXX	ICTB PORTLAND CEMENT	10%	\$ -	\$ 157,100.00		\$157,100.00	
0440	0641-0102000M	AGGREGATE BASE	10%	\$ 786,500.00	\$ 3,378,100.00	\$ -	\$4,164,600.00	
					1		distribution of the second of	
			-		•		\$4,431,100.00	



		PROGROMMATIC	OPINION O	F C	OST (CONT	.)		
NO.	BID ITEM CODE	TEM 700 -	CONSTRUCTION VARIABILITY CONTINGENCY (Range 0%-20%) WEARING SURFACE	P (AE	Orthern Package PACKAGE A SERNETHY BRIDGE	Southern Package PACKAGE B (1-205 FREEWAY WIDENING)	PACKAGE C	TOTAL COST
0450	0730-0100000M	EMULSIFIED ASPHALT FOR TACK COAT	10%	\$	4,400.00			\$53,900.00
0460	0745-0402000M	LEVEL 4, 1/2 INCH ACP	10%	\$	1,455,000.00	OCCUPATION OF CONTROL OF	\$ -	\$7,078,500.00
0470	0745-0640100M	PG 70-22ER ASPHALT IN LEVEL 4, 1/2 INCH ACP	10%	\$			\$ -	\$63.00
0480 0490	0755-0104000J 0755-0107000J	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 9 INCH THICK CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 11 INCH THICK	10%	\$	200,200.00		\$ - s -	\$20,613,500.00 \$10,230,000.00
0500	0759-0110000F	CONCRETE CURBS, STANDARD CURB	15%	\$	117,300.00		\$ -	\$137,900.00
0510	0759-0106000F	CONCRETE CURBS, LOW PROFILE MOUNTABLE CURB	15%	s	- 5	to programme of	s -	\$104,900.00
0520	0759-0122000J	CONCRETE ISLANDS	15%	\$	111,400.00	\$ -	\$ -	\$111,400.00
0530	0759-0128000J	CONCRETE WALKS	15%	\$	221,900.00		\$ -	\$274,300.00
0540	0759-0154000E	EXTRA FOR NEW SIDEWALK RAMPS	15%	\$	92,000.00	71,900.00	\$ -	\$163,900.00
0550	0759-0510000E	TRUNCATED DOMES ON NEW SURFACES	15%	\$	18,400.00	14,400.00	\$ -	\$32,800.00
		800 - PERMANENT TRA	FFIC SAFETY AND	GUIDA	NCE DEVICES			\$38,801,163.00
0560	0810-0129000E	GUARDRAIL TERMINALS, NON-FLARED	10%	\$	2,800.00	200,800.00	s -	\$203,600.00
0570	0810-0146000F	31 INCH GUARDRAIL, TYPE 2A	10%	\$	88,300.00	989,200.00	\$ -	\$1,077,500.00
0580		31 INCH GUARDRAIL, TYPE 3	10%	\$	- 3		\$ -	\$21,200.00
0590 0600	0811-0102000F 0820-0100000F	CABLE BARRIER, TEST LEVEL 4 CONCRETE BARRIER	10%	S	- 3	198,000.00	\$ - \$ -	\$198,000.00 \$0.00
0610		CONCRETE BARRIER, TALL	10%	S	- 1	1,262,000.00	s -	\$1,262,000.00
0620	0830-0125000E	IMPACT ATTENUATOR	10%	\$	99,000.00			\$297,000.00
0630	08XX-	PAVEMENT MARKING	10%	\$	58,400.00	697,100.00	\$ -	\$755,500.00
		900 - PERMANENT TRAFFI	C CONTROL AND II	LLUMIN	NATION SYSTEMS			\$3,814,800.00
0640	09XX-	SIGNING	10%	\$	368,500.00	231,000.00	\$ -	\$599,500.00
0650	0930-0101000A	TRUSS SIGN BRIDGE	10%	\$	2,310,000.00		\$ -	\$2,310,000.00
0660 0670		MONOTUBE CANTILEVER SIGN STRUCTURE BRIDGE STRUCTURE MOUNTS	10%	\$	44,000.00		\$ - \$ -	\$220,000.00 \$44,000.00
0680	0970-	ILLUMINATION	15%	\$	1,150,000.00	2,070,000.00	\$ -	\$3,220,000.00
0690 0700		TRAFFIC SIGNAL INSTALLATION TRAFFIC SIGNAL MODIFICATION	10%	\$	770,000.00 55,000.00		\$ - \$ -	\$770,000.00 \$55,000.00
0710	0990-	DETECTOR INSTALLATION	10%	\$	385,000.00		\$ - \$ -	\$385,000.00
0720	0990-0104000A	RAMP METER SIGNAL INSTALLATION	10%	\$	880,000.00	880,000.00		\$1,760,000.00
0730	0990-9Z90000A	TELECOMMUNICATIONS, (FIBER)	10%	\$	66,000.00	1,089,000.00	\$ -	\$1,155,000.00
		910 - NB A	ATM/VMS IMPROVE	MENT	S			\$10,518,500.00
0740		MP 0.6 - VMS & ADVISORY SPEED	10%	\$	- 1		\$ 858,000.00	\$858,000.00
0750 0760		MP 3.2 - ADVISORY SPEED MP 4.1 - FULL VMS	10%	S			\$ 242,000.00 \$ 676,500.00	\$242,000.00 \$676,500.00
0770		MP 7.7 - VMS & ADVISORY SPEED	10%	\$	-	5 -	\$ 759,000.00	\$759,000.00
0780	0990-9Z90000A	MP 8.5 - ADVISORY SPEED	10%	\$	- (357,500.00	\$ -	\$357,500.00
		920 - SB A	ATM/VMS IMPROVE	MENTS	5			\$2,893,000.00
0790	0990-9Z90000A	MP 11.7 - REPLACE EXTG VMS	10%	S	- 1		\$ 302,500.00	\$302,500.00
0800		MP 10.2 - ADVISORY SPEED MP 8.3 - ADVISORY SPEED	10%	\$	- 1		\$ 357,500.00	\$357,500.00 \$357,500.00
0810	0990-9Z90000A	IMP 8.3 - ADVISORY SPEED	10%	1.5	- 13	357,500.00	• - 1	\$1,017,500.00
			AY DEVELOPMENT	750000		6. What have		
0820 0830	1012- 1012-	WATER QUALITY DETENTION	10%	\$	778,300.00 S			\$3,210,400.00 \$1,926,900.00
0840		WEED CONTROL	10%	\$	58,500.00			\$215,400.00
0850	1030-0108000R	PERMANENT SEEDING	10%	\$	60,200.00	161,400.00	\$ -	\$221,600.00
0860	1040-	LANDSCAPING	0%	\$	1,482,600.00	1,165,100.00	\$ 32,000.00	\$2,679,700.00
			*	•	7.5	•	1.50	\$8,254,000.00
SUBT	AND A STATE OF THE PARTY OF THE	STRUCTION W/O ENGINEERING, CONTINGENCIES OR ANTICIPA	100					\$319,411,563.00
\vdash	1	UNKNOWNS CONTINGENCIES (idependent of design contingencies above)	15%	\$	26,520,300.00	20,819,700.00	\$ 571,600.00	\$47,911,600.00 \$47,911,600.00
SUBTO	TAL FOR CON	STRUCTION W/O ANTICIPATED ITEMS						\$367,323,163.00
		### ### ### ### ### ### ### ### ### ##	EGATE CONTINGENCY		\$43,723,400.00	\$32,512,000.00	\$862,100.00	\$77,097,500.00
<u> </u>		ANTICIPATED ITEMS AND	NTICIPATED ITEMS	\$	1,482,600.00	1,165,100.00	\$ 32,000.00	\$2,679,700.00
\vdash		ENVIRONMENTAL MITIGATION	0%	\$	741,300.00			\$1,339,800.00
		CONSTRUCTION ENGINEERING (CE)	0%	\$	20,332,300.00			\$36,732,300.00
SUBTO	OTAL FOR CON	STRUCTION (CURRENT DOLLARS)		\$	225,900,000.00	\$ 177,400,000.00	\$ 4,900,000.00	\$40,751,800.00 \$408,200,000.00
CONS	TRUCTION YEA	R COST INCLUDING INFLATION (TO MIDPOINT OF OF CONSTRU	2017.5	\$	258,300,000.00	205,600,000.00	\$ 5,300,000.00 2020.5	\$469,200,000.00
POTEN		R MEGA PROJECT (TO MIDPOINT OF CONSTRUCTION, INCLUDE		\$	248,000,000.00	A)		\$ 450,500,000.00
				17				
PROG	ROMATIC ITEM	S				BBAFFARIANA	ENGINEERING /BET	645 000 000 00
\vdash							ENGINEERING (PE)	\$45,000,000.00 \$1,400,000.00
							BURSABLE UTILITES	\$2,700,000.00
								49,100,000.00
						TOTAL	PROJECT COST	\$499,600,000.00



		PACKAGE A - NORTHERN PACKA OPINION OF		T	ETHY BRID	GE)	
NO.	BID ITEM CODE	ITEM	UNIT	QUANTITY	UNIT COST	CONSTRUCTION VARIABILITY CONTINGENCY (Range 0%-20%)	TOTAL PRICE
		200 - TEMPORARY FEATURES A	ND APP	URTENANCE	s	- V - 1 - V - 2)
0010	0210-0100000A	MOBILIZATION	LS	10.0%	\$14,826,186.23	0%	\$14,826,186.23
0020	0100-0101000T 0225-0100000A	TRAINING TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LS	0.25%	\$370,654.66	0%	\$370,654.66
0030	0256-0109000A	TEMPORARY RETAINING WALL	SQFT	5.0% 1,200	\$7,413,093.11 \$85.00	10%	\$7,413,093.11 \$112,200.00
0050	0280-0100000A	EROSION CONTROL	LS	1.0%	\$1,482,618.62	0%	\$1,482,618.62
0060	0294-	HAZMAT	LS	0.5%	\$741,309.31	0%	\$741,309.31
0070	0294-9Z90000K	CONTAMINATED SOIL MANAGEMENT	CUYD	19,060		15%	\$175,352.00
		300 - ROADWO)RK		Subtotal		\$25,121,413.93
0080	0305-0100000A	CONSTRUCTION SURVEY WORK	LS	1.0%	\$1,482,618.62	0%	\$1,482,618.62
0090	0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	0.5%	\$741,309.31	0%	\$741,309.31
0100	0320-0100000R	CLEARING AND GRUBBING	ACRE	15	\$9,000.00	15%	\$157,320.00
0110	0330-0105000K	GENERAL EXCAVATION	CUYD	35,700	\$19.00	15%	\$780,045.00
0120	0331-0112000J	24 INCH SUBGRADE STABILIZATION	SQYD	4,668	\$25.00	10%	\$128,356.25
0130	0344-0101000J 0344-0108000M	TREATED SUBGRADE, 9 INCHES THICK PORTLAND CEMENT	SQYD	10,868 362	\$10.00 \$120.00	10%	\$119,542.50 \$47,769.18
0140	0350-0105000M	SUBGRADE GEOTEXTILE	SQYD	32,800	\$120.00	15%	\$47,769.18
				72,000	Subtotal	1070	\$3,494,680.87
j.		400 - DRAINAGE AND	SEWE	RS	95, 355, 100-30, 101-22		
0160	0405-0100000K	ROCK EXCAVATION	CUYD	0		20%	\$0.00
0170		ROCK PRE-SPLITTING	LS	1	\$0.00	20%	\$0.00
0180 0190		PRE-SURVEY POST-SURVEY	LS	1	\$0.00 \$0.00	20%	\$0.00 \$0.00
0200	04XX-	DRAINAGE	LS	1	\$788,000.00	20%	\$945,600.00
0210	04700	4F/6F MITIGATION	LS	1	\$200,000.00	10%	\$220,000.00
					Subtotal		\$1,165,600.00
0000	0EVV	510 - Bridge Nos. 09738 & 09	738A (B		60.00	400/	60.00
0220	05XX-	REPLACEMENT	LS	1	\$0.00 Subtotal	10%	\$0.00 \$0.00
		515 - Bridge Nos. 09737 & 097	37A (Tu	alatin River)	Oubtotai		40.00
0230	05XX-	REPLACEMENT	LS	1	\$0.00	10%	\$0.00
	100000000	La transferiore and a segment to the segment of the			Subtotal		\$0.00
		520 - Bridge Nos. 09735 & 097					
0240	05XX-	REPLACEMENT	LS	1		15%	\$0.00 \$0.00
		525 - Bridge Nos. 09734 & 0973	Δ /Rlar	kenshin Rd	Subtotal		\$0.00
0250	05XX-	RETROFIT/WIDENING/BRIDGE RAISING	LS	1	\$0.00	10%	\$0.00
0200	0000	The transfer of the second of			Subtotal	3,777	\$0.00
		530 - Bridge Nos. 09728 & 0	09728A	(10th St.)			
0260	05XX-	RETROFIT/WIDENING/BRIDGE RAISING	LS	1	\$0.00	10%	\$0.00
					Subtotal		\$0.00
		535 - Bridge No. XXXXX					
0270	05XX-	REPLACEMENT	LS	1	\$0.00 Subtotal	10%	\$0.00 \$0.00
		540 - Bridge No. XXXXX	(West	A St.)	Subiotal		\$0.00
0280	05XX-	REPLACEMENT	LS	1	\$0.00	10%	\$0.00
0290	05XX-	TRAFFIC MITIGATION	LS	1		10%	\$0.00
					Subtotal		\$0.00
		545 - Bridge No. 09703 (
0300	05XX-	DEMOLITION/REMOVAL	LS	1		10%	\$0.00
		550 - Bridge Nos. 09403, 09403A, 09-	403C 0	9403R (Aborn	Subtotal		\$0.00
0310	05XX-	ABERNETHY BRIDGE	LS	1	\$92,870,000.00	15%	\$106,800,500.00
0320	05XX-	ABERNETHY BRIDGE, SB RAMP	LS	1	\$4,640,000.00	10%	\$5,104,000.00
0330	05XX-	ABERNETHY BRIDGE, NB RAMP	LS	1	\$325,000.00		\$357,500.00
0340	05XX-	HYDRAULIC MITIGATION	LS	1	\$140,000.00	10%	\$154,000.00
0350	05XX-	ABERNETHY CREEK MITIGATION	LS	1	\$495,000.00	10%	\$544,500.00
0360	05XX-	TEMPORARY WATER MANAGEMENT	LS	1	\$300,000.00	10%	\$330,000.00
0370	05XX-	GEOTECHNICAL MITIGATION FOR LATERAL SPREAD	LS	1	\$15,000,000.00 Subtotal	5%	\$15,750,000.00 \$129,040,500.00
		555 - Bridge No. 0970	2 (Main	St.)	Subtotal		\$123,040,000.00
0380	05XX-	RETROFIT/WIDENING	LS	1	\$4,370,000.00	10%	\$4,807,000.00
		·			Subtotal		\$4,807,000.00
		560 - Retaining	Walls)
0390	0596-0108000A	RETAINING WALL, MSE NO. 001	SF	0	\$100.00	10%	\$0.00
0400	0596-0108000A	RETAINING WALL, CAST-IN-PLACE GRAVITY	SF	14,800	\$75.00	10%	\$1,221,000.00
0410	0597-0100000J	SOUND WALLS	SF	0	\$20.00	10%	\$0.00
	0597-01000003	SOUND VANLES	0		920,00		00,001
	0397-01000000	SOUND WALLS		, and the second	Subtotal	1070	\$1,221,000.00



		PACKAGE A - NORTHERN PACKA OPINION OF			ETHY BRID	GE)	
NO.	BID ITEM CODE	ITEM	UNIT	QUANTITY	UNIT COST	CONSTRUCTION VARIABILITY CONTINGENCY (Range 0%-20%)	TOTAL PRICE
		600 - BASE					
0410	0620-0120000J 0640-XXXXXXX	ICOLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	SQYD	8,750	\$1.00 \$2.00	15% 10%	\$10,062.50 \$0.00
0430	0640-XXXXXXXX	ICTB PORTLAND CEMENT	TON	0	\$120.00	10%	\$0.00
0440	0641-0102000M	AGGREGATE BASE	TON	32,500	\$22.00	10%	\$786,500.00
					0		\$700 F00 F0
		700 - WEARING SU	RFACES	3	Subtotal		\$796,562.50
0450	0730-0100000M	EMULSIFIED ASPHALT FOR TACK COAT	TON	16	\$250.00	10%	\$4,400.00
0460	0745-0402000M	LEVEL 4, 1/2 INCH ACP	TON	20,350	\$65.00	10%	\$1,455,025.00
0470	0745-0640100M	PG 70-22ER ASPHALT IN LEVEL 4, 1/2 INCH ACP	TON	1,215	\$0.01	10%	\$13.37
0480	0755-0104000J	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 9 INCH THICK	SQYD	2,800	\$65.00	10%	\$200,200.00
0490	0755-0107000J	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 11 INCH THICK	SQYD	0	\$75.00	10%	\$0.00
0500	0759-0110000F	CONCRETE CURBS, STANDARD CURB	FOOT	5,100	\$20.00	15%	\$117,300.00
0510 0520	0759-0106000F 0759-0122000J	CONCRETE CURBS, LOW PROFILE MOUNTABLE CURB CONCRETE ISLANDS	FOOT	11,400	\$16.00 \$8.50	15% 15%	\$0.00
0530	0759-0122000J	CONCRETE WALKS	SQFT	32,155	\$6.00	15%	\$111,435.00 \$221,869.50
0540	0759-0154000E	EXTRA FOR NEW SIDEWALK RAMPS	EA	32,130	\$2,500.00	15%	\$92,000.00
0550	0759-0510000E	TRUNCATED DOMES ON NEW SURFACES	EA	32	\$500.00	15%	\$18,400.00
	_						
		COA DEDMANENT TRAFFIC CAFETY	ANDO	UDANOE DE	Subtotal		\$2,220,642.87
0560	0810-0129000E	800 - PERMANENT TRAFFIC SAFETY IGUARDRAIL TERMINALS, NON-FLARED	EA	JIDANCE DE	\$2,500.00	10%	\$2,750.00
0570	0810-0146000F	31 INCH GUARDRAIL, TYPE 2A	FOOT	3,650	\$22.00	10%	\$88,330.00
0580	0810-0146000F	31 INCH GUARDRAIL, TYPE 3	FOOT	0	\$55.00	10%	\$0.00
0590	0811-0102000F	CABLE BARRIER, TEST LEVEL 4	FOOT	0	\$12.00	10%	\$0.00
0600	0820-0100000F	CONCRETE BARRIER	FOOT	0	\$55.00	10%	\$0.00
0610 0620	0820-0127000F 0830-0125000E	CONCRETE BARRIER, TALL IMPACT ATTENUATOR	FOOT	3	\$65.00 \$30,000.00	10% 10%	\$0.00 \$99,000.00
0630	08XX-	PAVEMENT MARKING	LF	26,550	\$2.00	10%	\$58,410.00
					Subtotal	33331	\$248,490.00
i .		900 - PERMANENT TRAFFIC CONTROL A		UMINATION			
0640 0650	09XX- 0930-0101000A	SIGNING TRUSS SIGN BRIDGE	LS EA	<u>1</u>	\$335,000.00 \$350,000.00	10% 10%	\$368,500.00 \$2,310,000.00
0660		MONOTUBE CANTILEVER SIGN STRUCTURE	EA	0	\$200,000.00	10%	\$0.00
0670	0930-0105000A	BRIDGE STRUCTURE MOUNTS	LS	1	\$40,000.00	10%	\$44,000.00
0680 0690	0970- 0990-0101000A	ILLUMINATION TRAFFIC SIGNAL INSTALLATION	LS EA	1 2	\$1,000,000.00 \$350,000.00	15% 10%	\$1,150,000.00 \$770,000.00
0700	0990-0102000A	TRAFFIC SIGNAL MODIFICATION	EA	1	\$50,000.00	10%	\$55,000.00
0710 0720	0990- 0990-0104000A	DETECTOR INSTALLATION RAMP METER SIGNAL INSTALLATION	EA	5	\$70,000.00 \$200.000.00	10% 10%	\$385,000.00 \$880,000.00
0730	0990-9Z90000A	TELECOMMUNICATIONS, (FIBER)	LS	1	\$60,000.00	10%	\$66,000.00
		A CONTRACTOR OF THE PROPERTY O					
		OAO NID ATRACABAC IRAD		THITC	Subtotal		\$6,028,500.00
0740	0990-9Z90000A	910 - NB ATM/VMS IMPI IMP 0.6 - VMS & ADVISORY SPEED	LS	EN 15	\$0.00	10%[\$0.00
0750		MP 3.2 - ADVISORY SPEED	LS	1	\$0.00	10%	\$0.00
0760		MP 4.1 - FULL VMS	LS		\$0.00	10%	\$0.00
0770 0780		MP 7.7 - VMS & ADVISORY SPEED MP 8.5 - ADVISORY SPEED	LS	1	\$0.00 \$0.00	10% 10%	\$0.00 \$0.00
					Subtotal		\$0.00
0700		920 - SB ATM/VMS IMPI			00.00	100/1	
0790 0800		MP 11.7 - REPLACE EXTG VMS MP 10.2 - ADVISORY SPEED	LS	1	\$0.00 \$0.00	10% 10%	\$0.00 \$0.00
0810		MP 8.3 - ADVISORY SPEED	LS	1	\$0.00	10%	\$0.00
e.		4000 BIOUT OF WAY BEVELOR	NACNIT A	ND CONTRO	Subtotal		\$0.00
0820	1012-	1000 - RIGHT OF WAY DEVELOP WATER QUALITY	LS	ND CONTRO	\$707,500.00	10%	\$778,250.00
0830	1012-	DETENTION	LS	1	\$253,000.00	10%	\$278,300.00
0840	1030-0101000R	WEED CONTROL	ACRE	15	\$3,500.00		\$58,520.00
0850 0860	1030-0108000R 1040-	PERMANENT SEEDING LANDSCAPING	ACRE	15 1.0%	\$3,600.00 \$1,482,618.62	10%	\$60,192.00 \$1,482,618.62
	144/	(2000) (2		1.070	5.,102,010.02	570	
01:5-		CATPULATION W/O ENGINEERING ACCUSED			Subtotal		\$2,657,880.62
SUBT	JIAL FOR CON	ISTRUCTION W/O ENGINEERING, CONTINGENCIES OR ANTICIPAT UNKNOWNS CONTINGENCIES (idependent of design contingencies above)	LS	WIS	15%	7	\$176,802,270.79 \$26,520,340.62
	I	TOTALGARANS COLATINGENCIES (Inebelineur of design contingencies above)	Lo		Subtotal	.1	\$26,520,340.62 \$26,520,340.62
SUBTO	OTAL FOR CON	ISTRUCTION W/O ANTICIPATED ITEMS			J GREEN INI		\$203,322,611.41
		AUTION	TENIO		AGGREC	SATE CONTINGENCY	\$43,723,371.74
		ANTICIPATED IT	LS	1.0%	\$1,482,618.62	0%	\$1,482,618.62
		ENVIRONMENTAL MITIGATION	LS	0.5%	\$741,309.31	0%	\$741,309.31
		CONSTRUCTION ENGINEERING (CE)	LS	10.0%	\$20,332,261.14	0%	\$20,332,261.14
SUPT	TAL FOR COL	ISTRUCTION (CURRENT DOLLARS)			Subtotal		\$22,556,189.08 \$225,878,800.48
30810	JAL FOR CON	TOTAL OUR COUNTY DOLLARS			2017.5		\$225,676,800.48
CONS	TRUCTION YEA	AR COST INCLUDING INFLATION (TO MIDPOINT OF OF CONSTRUC	CTION		2022.5	3.00%	\$258,300,000.00
						2,0070	
POTE	NTIAL COST FO	OR MEGA PROJECT (TO MIDPOINT OF CONSTRUCTION, INCLUDE	S ECON	OMY OF SC	ALE)		\$247,968,000.00



		PACKAGE B - SOUTHERN PACKAGE OPINION OF	100		EWAY WIDI	ENING)	
ITEM NO.	BID ITEM CODE	ITEM	UNIT	QUANTITY	UNIT COST	CONSTRUCTION VARIABILITY CONTINGENCY (Range 0%-20%)	TOTAL PRICE
		200 - TEMPORARY FEATURES A	ND APP	URTENANCI	ES .	1	
0010	0210-0100000A	MOBILIZATION	LS	10.0%		0%	\$11,650,766.76
0020	0100-0101000T	TRAINING	LS	0.25%	\$291,269.17	0%	\$291,269.17
0030	0225-0100000A	TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LS	5.0%	\$5,825,383.38	0%	\$5,825,383.38
0040	0256-0109000J	TEMPORARY RETAINING WALL	SQFT	0	400.00	10%	\$0.00
0050	0280-0100000A	EROSION CONTROL	LS	1.0%	\$1,165,076.68	0%	\$1,165,076.68
0060	0294-	HAZMAT	LS	0.5%	\$582,538.34	0%	\$582,538.34
0070	0294-9Z90000K	CONTAMINATED SOIL MANAGEMENT	CUYD	194,000		15%	\$1,784,800.00
		300 - ROADWO	DV		Subtotal		\$21,299,834.32
0080	0305-0100000A	CONSTRUCTION SURVEY WORK	LS	1.0%	\$1,165,076.68	0%	\$1,165,076.68
0090	0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	0.5%	\$582,538.34	0%	\$582,538.34
0100	0320-0100000R	CLEARING AND GRUBBING	ACRE	41	\$9,000.00	15%	\$421,762.50
0110	0330-0105000K	GENERAL EXCAVATION	CUYD	167,080	\$19.00	15%	\$3,650,698.00
0120	0331-0112000J	24 INCH SUBGRADE STABILIZATION	SQYD	13,735		10%	\$377,712.50
0130	0344-0101000J	TREATED SUBGRADE, 9 INCHES THICK	SQYD	110,120	\$10.00	10%	\$1,211,320.00
0140	0344-0108000M	PORTLAND CEMENT	TON	3,667	\$120.00	10%	\$484,043.47
0150	0350-0105000J	SUBGRADE GEOTEXTILE	SQYD	247,470	\$1.00	15%	\$284,590.50
					Subtotal		\$8,177,741.99
Ü .		400 - DRAINAGE AND	_				
0160	0405-0100000K	ROCK EXCAVATION	CUYD	83,000		20%	\$5,478,000.00
0170		ROCK PRE-SPLITTING	LS	1	\$500,000.00	20%	\$600,000.00
0180		PRE-SURVEY	LS	1	\$100,000.00	20%	\$120,000.00
0190	2477	POST-SURVEY	LS	1	\$100,000.00	20%	\$120,000.00
0200 0210	04XX-	DRAINAGE 4F/6F MITIGATION	LS	1	\$1,116,225.00 \$300,000.00	20% 10%	\$1,339,470.00 \$330,000.00
0210		4F/OF MITIGATION	LO		\$300,000.00	10%	\$330,000.00
					Subtotal		\$7,987,470.00
		510 - Bridge Nos. 09738 & 097	38A (B	orland Rd.)	- Captotai		41,001,410.00
0220	05XX-	REPLACEMENT	LS	1	\$6,280,000.00	10%	\$6,908,000.00
					Subtotal		\$6,908,000.00
ĺ.		515 - Bridge Nos. 09737 & 0973	37A (Tu	alatin River)	Property (1997)		
0230	05XX-	REPLACEMENT	LS	1	\$19,720,000.00	10%	\$21,692,000.00
		•			Subtotal		\$21,692,000.00
Ū.		520 - Bridge Nos. 09735 & 0973		odbine Rd.)			
0240	05XX-	REPLACEMENT	LS	1	- 1,000,000,00	15%	\$4,692,000.00
					Subtotal		\$4,692,000.00
		525 - Bridge Nos. 09734 & 09734	A (Blar	ikenship Rd.		72.201	
0250	05XX-	RETROFIT/WIDENING/BRIDGE RAISING	LS	1	\$2,200,000.00	10%	\$2,420,000.00
		F20 Pridge Nee 00700 9 0	07008	(40th C4)	Subtotal		\$2,420,000.00
0260	05XX-	530 - Bridge Nos. 09728 & C	LS	10(11 5(.)	\$2,200,000.00	10%	\$2,420,000,00
0260	0588-	RETROFIT/WIDENING/BRIDGE RAISING	LS]	\$2,200,000.00 Subtotal	10%]	\$2,420,000.00 \$2,420,000.00
		535 - Bridge No. XXXXX	Sunse	Ave)	Subtotal		\$2,420,000.00
0270	05XX-	REPLACEMENT SEE - Bridge No. ANDRA	LS	1	\$2,440,000,00	10%	\$2,684,000.00
JE 10	00704-				Subtotal	1070	\$2,684,000.00
		540 - Bridge No. XXXXX	(West	A St.)	2 22 10 101		1=,=3 ,,=11,00
0280	05XX-	REPLACEMENT	LS	1	\$3,100,000.00	10%	\$3,410,000.00
0290	05XX-	TRAFFIC MITIGATION	LS	1		10%	\$137,500.00
î					Subtotal		\$3,410,000.00
		545 - Bridge No. 09703 (I	Broadw	ay St.)			
0300	05XX-	DEMOLITION/REMOVAL	LS	1		10%	\$748,000.00
					Subtotal		\$748,000.00
					- Alexand	00.004	
		550 - Bridge Nos. 09403, 09403A, 094		9403R (Abern			00.00
0310	05XX-	ABERNETHY BRIDGE	LS	9403R (Abern	\$0.00	15%	\$0.00
0320	05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP	LS LS	9403R (Abern 1	\$0.00 \$0.00	10%	\$0.00
0320 0330	05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP	LS LS LS	9403R (Abern 1 1	\$0.00 \$0.00 \$0.00	10% 10%	\$0.00 \$0.00
0320 0330 0340	05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION	LS LS LS	9403R (Abern 1 1 1	\$0.00 \$0.00 \$0.00 \$0.00	10% 10% 10%	\$0.00 \$0.00 \$0.00
0320 0330 0340 0350	05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION	LS LS LS LS	9403R (Abern 1 1 1 1 1	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10% 10% 10% 10%	\$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360	05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT	LS LS LS LS LS	1 1 1 1 1	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10% 10% 10% 10% 10%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350	05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION	LS LS LS LS	9403R (Abern 1 1 1 1 1 1 1	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10% 10% 10% 10%	\$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360	05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT	LS LS LS LS LS LS	1 1 1 1	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10% 10% 10% 10% 10%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360	05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD	LS LS LS LS LS LS	1 1 1 1	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	10% 10% 10% 10% 10%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360 0370	05XX- 05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD 555 - Bridge No. 09702	LS LS LS LS LS LS LS	1 1 1 1 1 1 1 St.)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$ubtotal	10% 10% 10% 10% 10% 10% 5%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360 0370	05XX- 05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD 555 - Bridge No. 09702	LS	1 1 1 1 1 1 1 St.)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 Subtotal	10% 10% 10% 10% 10% 10% 5%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360 0370	05XX- 05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD 555 - Bridge No. 09702 RETROFIT/WIDENING	LS	1 1 1 1 1 1 1 1 St.)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$ubtotal \$0.00 \$ubtotal	10% 10% 10% 10% 10% 5%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360 0370	05XX- 05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD 555 - Bridge No. 09702 RETROFIT/WIDENING	LS L	1 1 1 1 1 1 1 St.)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$ubtotal \$0.00 \$ubtotal	10% 10% 10% 10% 10% 10% 5%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360 0370	05XX- 05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD 555 - Bridge No. 09702 RETROFIT/WIDENING	LS L	1 1 1 1 1 1 1 1 St.)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$ubtotal \$0.00 \$ubtotal	10% 10% 10% 10% 10% 5%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360 0370 0380	05XX- 05XX- 05XX- 05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD 555 - Bridge No. 09702 RETROFIT/WIDENING 560 - Retaining N RETAINING WALL, MSE NO. 001	LS SF SF	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$ubtotal \$100.00 \$75.00	10% 10% 10% 10% 10% 5%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360 0370 0380	05XX- 05XX- 05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD 555 - Bridge No. 09702 RETROFIT/WIDENING FOR LATERAL SPREAD FOR LATERAL SPREAD	LS L	1 1 1 1 1 1 1 1 St.)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$ubtotal \$100.00 \$75.00	10% 10% 10% 10% 10% 5%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
0320 0330 0340 0350 0360 0370 0380	05XX- 05XX- 05XX- 05XX- 05XX- 05XX- 05XX- 05XX-	ABERNETHY BRIDGE ABERNETHY BRIDGE, SB RAMP ABERNETHY BRIDGE, NB RAMP HYDRAULIC MITIGATION ABERNETHY CREEK MITIGATION TEMPORARY WATER MANAGEMENT GEOTECHNICAL MITIGATION FOR LATERAL SPREAD 555 - Bridge No. 09702 RETROFIT/WIDENING 560 - Retaining N RETAINING WALL, MSE NO. 001	LS SF SF	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$ubtotal \$100.00 \$75.00	10% 10% 10% 10% 10% 5%	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00



ITEM NO.		PACKAGE B - SOUTHERN PACKAGE OPINION OF			EWAY WIDE	ENING)	
	BID ITEM CODE	ITEM	UNIT	QUANTITY	UNIT COST	CONSTRUCTION VARIABILITY CONTINGENCY	TOTAL PRICE
0440	0000 04000001	600 - BASE		2.000	64.00	450/	62.500.6
0410	0620-0120000J 0640-XXXXXXX	COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	SQYD	3,200 43,450	\$1.00 \$2.00	15% 10%	\$3,680.0 \$95,590.0
0430		ICTB PORTLAND CEMENT	TON	1,190	\$120.00	10%	\$157,080.
0440	0641-0102000M	AGGREGATE BASE	TON	139,590	\$22.00	10%	\$3,378,078.
		700 - WEARING SU	REACES	S	Subtotal		\$3,634,428.
0450	0730-0100000M	EMULSIFIED ASPHALT FOR TACK COAT	TON	180	\$250.00	10%	\$49,500.0
0460	0745-0402000M	LEVEL 4, 1/2 INCH ACP	TON	78,650	\$65.00	10%	\$5,623,475.
0470	0745-0640100M	PG 70-22ER ASPHALT IN LEVEL 4, 1/2 INCH ACP	TON	4,558	\$0.01	10%	\$50.
0480	0755-0104000J	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 9 INCH THICK	SQYD	285,500	\$65.00	10%	\$20,413,250.
0490	0755-0107000J	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 11 INCH THICK	SQYD	124,000	\$75.00	10%	\$10,230,000.
0500	0759-0110000F	CONCRETE CURBS, STANDARD CURB	FOOT	895	\$20.00	15%	\$20,585.
0510	0759-0106000F	CONCRETE CURBS, LOW PROFILE MOUNTABLE CURB	FOOT	5,700	\$16.00	15%	\$104,880.
0520	0759-0122000J	CONCRETE ISLANDS	SQFT	0	\$8.50	15%	\$0.
0530 0540	0759-0128000J 0759-0154000E	CONCRETE WALKS EXTRA FOR NEW SIDEWALK RAMPS	SQFT	7,600 25	\$6.00 \$2,500.00	15% 15%	\$52,440. \$71,875.
0550	0759-0510000E	TRUNCATED DOMES ON NEW SURFACES	EA	25	\$500.00	15%	\$14,375.
					Subtotal		\$36,580,430.
0560	0810-0129000E	800 - PERMANENT TRAFFIC SAFETY GUARDRAIL TERMINALS, NON-FLARED	EA	73	\$2,500.00	10%	\$200,750.0
0570	0810-0146000F	31 INCH GUARDRAIL, TYPE 2A	FOOT	40,875	\$2,000.00	10%	\$989,175.0
0580	0810-0146000F	31 INCH GUARDRAIL, TYPE 3	FOOT	350	\$55.00	10%	\$21,175.0
0590	0811-0102000F	CABLE BARRIER, TEST LEVEL 4	FOOT	15,000	\$12.00	10%	\$198,000.
0600	0820-0100000F	CONCRETE BARRIER	FOOT	0	\$55.00	10%	\$0.0
0610	0820-0127000F	CONCRETE BARRIER, TALL	FOOT	17,650	\$65.00	10%	\$1,261,975.0
0620	0830-0125000E 08XX-	IMPACT ATTENUATOR PAVEMENT MARKING	EA LF	316,850	\$30,000.00 \$2.00	10%	\$198,000.0 \$697,070.0
0000	00///-	I AVENIENT MARKING	1 -1	310,030	Subtotal	1070	\$3,566,145.0
		900 - PERMANENT TRAFFIC CONTROL /	AND ILL	UMINATION S			10
0640	09XX-	SIGNING	LS	1	The second secon	10%	\$231,000.0
0650 0660		TRUSS SIGN BRIDGE MONOTUBE CANTILEVER SIGN STRUCTURE	EA EA	0	\$350,000.00 \$200,000.00	10% 10%	\$0.0 \$220,000.0
0670		BRIDGE STRUCTURE MOUNTS	LS	1	\$0.00	10%	\$0.0
0680	0970- 0990-0101000A	ILLUMINATION TRAFFIC SIGNAL INSTALLATION	LS EA	1 0	\$1,800,000.00 \$350,000.00	15%	\$2,070,000.0
0690		TRAFFIC SIGNAL MODIFICATION	EA	0	\$50,000.00	10%	\$0.0 \$0.0
0710		DETECTOR INSTALLATION	EA	0	\$70,000.00	10%	\$0.0
0720 0730	0990-0104000A 0990-9Z90000A	RAMP METER SIGNAL INSTALLATION TELECOMMUNICATIONS, (FIBER)	EA LS	4	\$200,000.00 \$990,000.00	10% 10%	\$880,000.0 \$1,089,000.0
0700	0000-02000001	TEEESOMMONIOATIONS, (TIBER)				1070	
		O40 ND ATMINING HAD	DOV/ERA	ENTO	Subtotal		\$4,490,000.0
0740	0990-9Z90000A	910 - NB ATM/VMS IMP IMP 0.6 - VMS & ADVISORY SPEED	LS	EN IS	\$0.00	10%	\$0.0
0750		MP 3.2 - ADVISORY SPEED	LS	1	\$0.00	10%	\$0.0
0760		MP 4.1 - FULL VMS MP 7.7 - VMS & ADVISORY SPEED	LS	1	\$0.00 \$0.00	10% 10%	\$0. \$0.
0770 0780		MP 8.5 - ADVISORY SPEED	LS	1	\$325,000.00	10%	\$357,500.0
					Subtotal	Wallet work in	\$357,500.
0700 I		920 - SB ATM/VMS IMP		PARTITION OF THE PARTIT	00.001	100/1	
0790		MP 11.7 - REPLACE EXTG VMS MP 10.2 - ADVISORY SPEED	LS	1	\$0.00 \$0.00	10% 10%	\$0.0 \$0.0
0810		MP 8.3 - ADVISORY SPEED	LS	1	\$325,000.00	10%	\$357,500.0
		4000 BIOUT OF WAY BEVELOR	DATALT A	ND CONTRO	Subtotal		\$357,500.0
0820	1012-	1000 - RIGHT OF WAY DEVELOP WATER QUALITY	LS LS	AND CONTRO	\$2,211,000.00	10%	\$2,432,100.0
0830	1012-	DETENTION	LS	1	\$1,498,700.00	10%	\$1,648,570.0
0840		WEED CONTROL	ACRE	41	\$3,500.00	10%	\$156,887.
0850 0860	1030-0108000R 1040-	PERMANENT SEEDING LANDSCAPING	ACRE	41 1.0%	\$3,600.00 \$1,165,076.68	10%	\$161,370.0 \$1,165,076.0
	(AGCC)				2.11.77.41.41.41		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
LIDTO	TAL FOR 201	MATERIAL WAS ENGINEERING CONTINUENCIES OF AUTICIPA		140	Subtotal		\$5,564,004.
SUBTO	TAL FOR CON	ISTRUCTION W/O ENGINEERING, CONTINGENCIES OR ANTICIPATION (INKNOWNS CONTINGENCIES (idependent of design contingencies above)	LS	IVIS	15%	- 1	\$138,797,893.6 \$20,819,684.
		TOTAL TOTAL TIME ENCIES (Idependent of design contingencies above)	Lo	1	Subtotal		\$20,819,684.
	TAL FOR CON	ISTRUCTION W/O ANTICIPATED ITEMS					\$159,617,577.6
SUBTO		ANTICIPATED I	TEMP		AGGREG	SATE CONTINGENCY	\$32,512,021.
SUBTO				1.0%	\$1,165,076.68	0%[\$1,165,076.0
SUBTO			LS		T.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,0	
SUBTO		ANTICIPATED ITEMS ENVIRONMENTAL MITIGATION	LS	0.5%	\$582,538.34	0%	\$582,538.3
SUBTO		ANTICIPATED ITEMS			\$15,961,757.77	0% 0%	\$582,538.3 \$15,961,757.3
	TAL FOR CON	ANTICIPATED ITEMS ENVIRONMENTAL MITIGATION CONSTRUCTION ENGINEERING (CE)	LS	0.5%			\$582,538.3 \$15,961,757.3 \$17,709,372. 3
	TAL FOR CON	ANTICIPATED ITEMS ENVIRONMENTAL MITIGATION	LS	0.5%	\$15,961,757.77		\$582,538.3
SUBTO		ANTICIPATED ITEMS ENVIRONMENTAL MITIGATION CONSTRUCTION ENGINEERING (CE)	LS LS	0.5%	\$15,961,757.77 Subtotal		\$582,538. \$15,961,757. \$17,709,372.

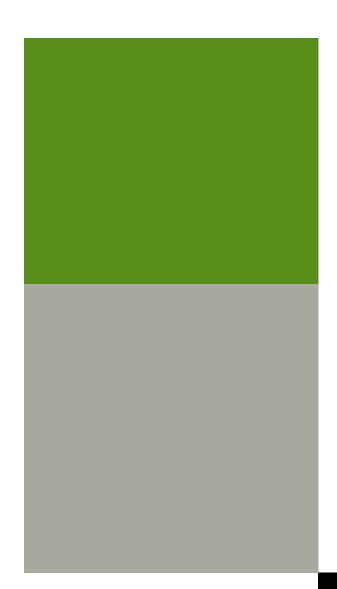


		PACKAGE C - ATM					
		OPINION OF	COS	iΤ		CONCERNATION	
ITEM NO.	BID ITEM CODE	ITEM	UNIT	QUANTITY	UNIT COST	CONSTRUCTION VARIABILITY CONTINGENCY (Range 0%-20%)	TOTAL PRICE
		200 - TEMPORARY FEATURES A	-				
0010	0210-0100000A 0100-0101000T	MOBILIZATION TRAINING	LS	10.0% 0.25%	\$319,550.00 \$7,988.75	033953	\$319,550.00 \$7,988.75
0030	0225-0100000A	TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LS	5.0%	\$159,775.00		\$159,775.00
0040	0256-0109000J	TEMPORARY RETAINING WALL	SQFT	0	400.00	10%	\$0.00
0050	0280-0100000A	EROSION CONTROL	LS	1.0%		0%	\$31,955.00
0060 0070	0294- 0294-9Z90000K	HAZMAT CONTAMINATED SOIL MANAGEMENT	LS	0.5%	0.0000000000000000000000000000000000000		\$15,977.50 \$0.00
0070	0294-9290000K	CONTAININATED SOIL MANAGEMENT	COID		Subtotal	1576	\$535,246.25
		300 - ROADWO	RK				1
0800	0305-0100000A	CONSTRUCTION SURVEY WORK	LS	1.0%			\$31,955.00
0090	0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	0.5%	20 C A POCCE A POCCE A CONTRACTOR DE CONTRAC		\$15,977.50
0100	0320-0100000R 0330-0105000K	CLEARING AND GRUBBING GENERAL EXCAVATION	ACRE	0	12,000.00		\$0.00 \$0.00
0120	0331-0112000J	24 INCH SUBGRADE STABILIZATION	SQYD	0	100000000000000000000000000000000000000	10%	\$0.00
0130	0344-0101000J	TREATED SUBGRADE, 9 INCHES THICK	SQYD	ō		10%	\$0.00
0140	0344-0108000M	PORTLAND CEMENT	TON	0	\$120.00	10%	\$0.00
0150	0350-0105000J	SUBGRADE GEOTEXTILE	SQYD	0	\$1.00	15%	\$0.00
		400 DRAINGE AND	CEME	DC	Subtotal		\$47,932.50
0160	0405-0100000K	ROCK EXCAVATION 400 - DRAINAGE AND	CUYD	0	\$55.00	20%	\$0.00
0170	0400-0100000K	ROCK PRE-SPLITTING	LS	1	\$0.00	20%	\$0.00
0180		PRE-SURVEY	LS	1	\$0.00		\$0.00
0190		POST-SURVEY	LS	1	\$0.00	20%	\$0.00
0200	04XX-	DRAINAGE	LS	1	\$0.00	20%	\$0.00
0210		4F/6F MITIGATION	LS	1	\$0.00	10%	\$0.00
_		<u> </u>			Subtotal		\$0.00
ĵ.		510 - Bridge Nos. 09738 & 09	738A (B	orland Rd.)	Subtotal		φ0.00
0220	05XX-	REPLACEMENT	LS	1	\$0.00	10%	\$0.00
					Subtotal		\$0.00
		515 - Bridge Nos. 09737 & 097					
0230	05XX-	REPLACEMENT	LS	1	\$0.00 Subtotal	10%	\$0.00 \$0.00
		520 - Bridge Nos. 09735 & 097	35A (Wo	odbine Rd.)	Subtotal		\$0.00
0240	05XX-	REPLACEMENT	LS	1	\$0.00	15%	\$0.00
					Subtotal		\$0.00
		525 - Bridge Nos. 09734 & 0973		STATE OF THE PARTY	4		440000
0250	05XX-	RETROFIT/WIDENING/BRIDGE RAISING	LS	1		10%	\$0.00
		530 - Bridge Nos. 09728 & 0	107201	/40th Ct \	Subtotal		\$0.00
0260	05XX-	RETROFIT/WIDENING/BRIDGE RAISING	LS	1	\$0.00	10%	\$0.00
0200	55701	INCHIO I III WIDE III WOO III			Subtotal	1070	\$0.00
		535 - Bridge No. XXXXX	(Sunse	Ave.)			
0270	05XX-	REPLACEMENT	LS	1	\$0.00	10%	\$0.00
					Subtotal		\$0.00
0000	A F V V	540 - Bridge No. XXXXX	_		E0.00	400/	60.00
0280 0290	05XX- 05XX-	REPLACEMENT TRAFFIC MITIGATION	LS	1			\$0.00 \$0.00
0200	00/00	Province and Provi			Subtotal	1070	\$0.00
		545 - Bridge No. 09703 (I	Broadw	ay St.)			
0300	05XX-	DEMOLITION/REMOVAL	LS	1		10%	\$0.00
		FER Builder No. 00 (00 to 00 (00)	1020 0	1402D (A)	Subtotal		\$0.00
0310	05XX-	550 - Bridge Nos. 09403, 09403A, 09404A, 09403A, 09403A, 09403A, 09403A, 09403A, 09403A, 09403A, 09404A, 09404	LS	4USK (Abern	nethy) \$0.00	15%	\$0.00
0310	05XX-	ABERNETHY BRIDGE, SB RAMP	LS	1	\$0.00	200000	\$0.00
0330	05XX-	ABERNETHY BRIDGE, NB RAMP	LS	1	\$0.00		\$0.00
0340	05XX-	HYDRAULIC MITIGATION	LS	1	\$0.00	10%	\$0.00
0350	05XX-	ABERNETHY CREEK MITIGATION	LS	1	\$0.00	10%	\$0.00
0360	05XX-	TEMPORARY WATER MANAGEMENT	LS	1	40.00		\$0.00
0370	05XX-	GEOTECHNICAL MITIGATION FOR LATERAL SPREAD	LS	1	\$0.00 Subtotal	5%	\$0.00 \$0.00
		555 - Bridge No. 0970	2 (Main	St.)	Subiotal		\$0.00
0380	05XX-	RETROFITWIDENING	LS	1	\$0.00	10%	\$0.00
1					Subtotal		\$0.00
		560 - Retaining	Walls			7	
0390	0596-0108000A	RETAINING WALL, MSE NO. 001	SF	0	\$100.00	10%	\$0.00
0400	0596-0108000A	RETAINING WALL, CAST-IN-PLACE GRAVITY	SF		\$75.00	10%	\$0.00
0400	0090-0 100000A	INC. MINING VVALL, CAS I-IN-PLACE GRAVILT	or:	U	\$75.00	10%	\$0.00
0410	0597-0100000J	SOUND WALLS	SF	0	\$20.00	10%	\$0.00
-			1			1	
	l .	Li					
					Subtotal		\$0.00



		PACKAGE C - ATM	I PA	CKAGE			
		OPINION OF	COS	T			
NO.	BID ITEM CODE	ITEM	UNIT	QUANTITY	UNIT COST	CONSTRUCTION VARIABILITY CONTINGENCY (Range 0%-20%)	TOTAL PRICE
		600 - BASE	\$		2	(Range 0%-20%)	
0410		COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	SQYD	0	100000000000000000000000000000000000000	15%	\$0.00
0420 0430	0640-XXXXXXX 0640-XXXXXXXX	ICTB ICTB PORTLAND CEMENT	SQYD	0		10%	\$0.00 \$0.00
0440	0641-0102000M	AGGREGATE BASE	TON	0		10%	\$0.00
							2200.00
2		700 - WEARING SU	DEACES	3	Subtotal		\$0.00
0450	0730-0100000M	EMULSIFIED ASPHALT FOR TACK COAT	TON	0	\$250.00	10%	\$0.00
0460	0745-0402000M	LEVEL 4, 1/2 INCH ACP	TON	0	\$65.00	10%	\$0.00
0470	0745-0640100M	PG 70-22ER ASPHALT IN LEVEL 4, 1/2 INCH ACP	TON	0		10%	\$0.00
0480	0755-0104000J	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 9 INCH THICK	SQYD	0		10%	\$0.00
0490	0755-0107000J 0759-0110000F	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 11 INCH THICK CONCRETE CURBS, STANDARD CURB	FOOT	0	A CONTRACTOR	10%	\$0.00 \$0.00
0510	0759-0106000F	CONCRETE CURBS, LOW PROFILE MOUNTABLE CURB	FOOT	0	X7112.0	15%	\$0.00
0520	0759-0122000J	CONCRETE ISLANDS	SQFT	0	\$8.50	15%	\$0.00
0530	0759-0128000J	CONCRETE WALKS	SQFT	0		15%	\$0.00
0540	0759-0154000E	EXTRA FOR NEW SIDEWALK RAMPS	EA	0	,-,	15%	\$0.00
0550	0759-0510000E	TRUNCATED DOMES ON NEW SURFACES	EA	0	\$500.00	15%	\$0.00
					Subtotal		\$0.00
		800 - PERMANENT TRAFFIC SAFETY	_				
0560 0570	0810-0129000E 0810-0146000F	GUARDRAIL TERMINALS, NON-FLARED 31 INCH GUARDRAIL, TYPE 2A	FOOT	0		10% 10%	\$0.00 \$0.00
0570	0810-0146000F	31 INCH GUARDRAIL, TYPE 2A 31 INCH GUARDRAIL, TYPE 3	FOOT	0		10%	\$0.00
0590	0811-0102000F	CABLE BARRIER, TEST LEVEL 4	FOOT	0	- Contraction	10%	\$0.00
0600	0820-0100000F	CONCRETE BARRIER	FOOT	0	38.00.000000	10%	\$0.00
0610 0620	0820-0127000F 0830-0125000E	CONCRETE BARRIER, TALL IMPACT ATTENUATOR	FOOT	0		10% 10%	\$0.00 \$0.00
0630	08XX-	PAVEMENT MARKING	LF	0		10%	\$0.00
					Subtotal		\$0.00
2010	6644	900 - PERMANENT TRAFFIC CONTROL		UMINATION	Control of the Contro		40.00
0640 0650	09XX- 0930-0101000A	SIGNING TRUSS SIGN BRIDGE	LS EA	0	\$0.00 \$350,000.00	10% 10%	\$0.00 \$0.00
0660	0930-0104000A	MONOTUBE CANTILEVER SIGN STRUCTURE	EA	0	\$200,000.00	10%	\$0.00
0670 0680	0930-0105000A 0970-	BRIDGE STRUCTURE MOUNTS ILLUMINATION	LS	1	\$0.00 \$0.00	10% 15%	\$0.00 \$0.00
0690	0990-0101000A	TRAFFIC SIGNAL INSTALLATION	EA	0	\$350,000.00	10%	\$0.00
0700 0710	0990-0102000A 0990-	TRAFFIC SIGNAL MODIFICATION DETECTOR INSTALLATION	EA EA	0		10% 10%	\$0.00 \$0.00
0720	0990-0104000A	RAMP METER SIGNAL INSTALLATION	EA	0		10%	\$0.00
0730	0990-9Z90000A	TELECOMMUNICATIONS, (FIBER)	LS	1	\$0.00	10%	\$0.00
					Subtotal		\$0.00
0740	0990-9Z90000A	910 - NB ATM/VMS IMP IMP 0.6 - VMS & ADVISORY SPEED	ROVEMI LS		\$780,000.00	10%	\$858,000.00
0750	0990-9Z90000A	MP 3.2 - ADVISORY SPEED	LS	1	\$220,000.00	10%	\$242,000.00
0760	0990-9Z90000A	MP 4.1 - FULL VMS	LS	1	\$615,000.00		\$676,500.00
0770 0780	0990-9Z90000A 0990-9Z90000A	MP 7.7 - VMS & ADVISORY SPEED MP 8.5 - ADVISORY SPEED	LS	1			\$759,000.00 \$0.00
					Subtotal	100000	\$2,535,500.00
0790	0990-9Z90000A	920 - SB ATM/VMS IMP IMP 11.7 - REPLACE EXTG VMS	ROVEMI LS	ENTS 1	\$275,000.00	10%	\$302,500.00
0800	0990-9Z90000A	MP 10.2 - VMS & ADVISORY SPEED	LS	i	\$325,000.00	10%	\$357,500.00
0810	0990-9Z90000A	MP 8.5 - ADVISORY SPEED	LS	1	\$0.00 Subtotal	10%	\$0.00 \$660,000.00
		1000 - RIGHT OF WAY DEVELOP	MENT A	ND CONTRO			\$000,000.00
0820	1012-	WATER QUALITY	LS	1	\$0.00	10%	\$0.00
0830 0840	1012- 1030-0101000R	DETENTION WEED CONTROL	LS ACRE	1 0		10% 10%	\$0.00 \$0.00
0850	1030-0108000R	PERMANENT SEEDING	ACRE	0	\$3,600.00	10%	\$0.00
0860	1040-	LANDSCAPING	LS	1.0%	\$31,955.00	0%	\$31,955.00
	f	I			Subtotal	100	\$31,955.00
SUBTO	OTAL FOR CON	ISTRUCTION W/O ENGINEERING, CONTINGENCIES OR ANTICIPA		MS			\$3,810,633.75
		UNKNOWNS CONTINGENCIES (idependent of design contingencies above)	LS		15% Subtotal	(3)	\$571,595.06 \$571,595.06
SUBTO	OTAL FOR CON	ISTRUCTION W/O ANTICIPATED ITEMS			Subtotal		\$571,595.06 \$4,382,228.81
					AGGREC	SATE CONTINGENCY	\$862,095.06
		ANTICIPATED ITEMS		3772200	601 555 55	22.9	201 200
		ANTICIPATED ITEMS ENVIRONMENTAL MITIGATION	LS	1.0% 0.5%	\$31,955.00 \$15,977.50	0% 0%	\$31,955.00 \$15,977.50
		CONSTRUCTION ENGINEERING (CE)	LS	10.0%	\$438,222.88	0%	\$438,222.88
SUBTO	OTAL FOR COM	ISTRUCTION (CURRENT DOLLARS)			Subtotal		\$486,155.38 \$4,8 6 8,384.19
00010	JAL FOR CON	OTTO HOT CONNENT DOLLARS			2017.5		ψ 4 ,000,304.19
CONS	TRUCTION YEA	R COST INCLUDING INFLATION (TO MIDPOINT OF OF CONSTRU	CTION)		2020.5	3.00%	\$5,300,000.00
	ITIA: COO	NEW PROPERTY OF THE PROPERTY O	0.500	010/ 07 7	41.5		
POTE	NIAL COST FO	OR MEGA PROJECT (TO MIDPOINT OF CONSTRUCTION, INCLUDE	SECON	UNIY OF SC	ALE)		\$5,088,000.00

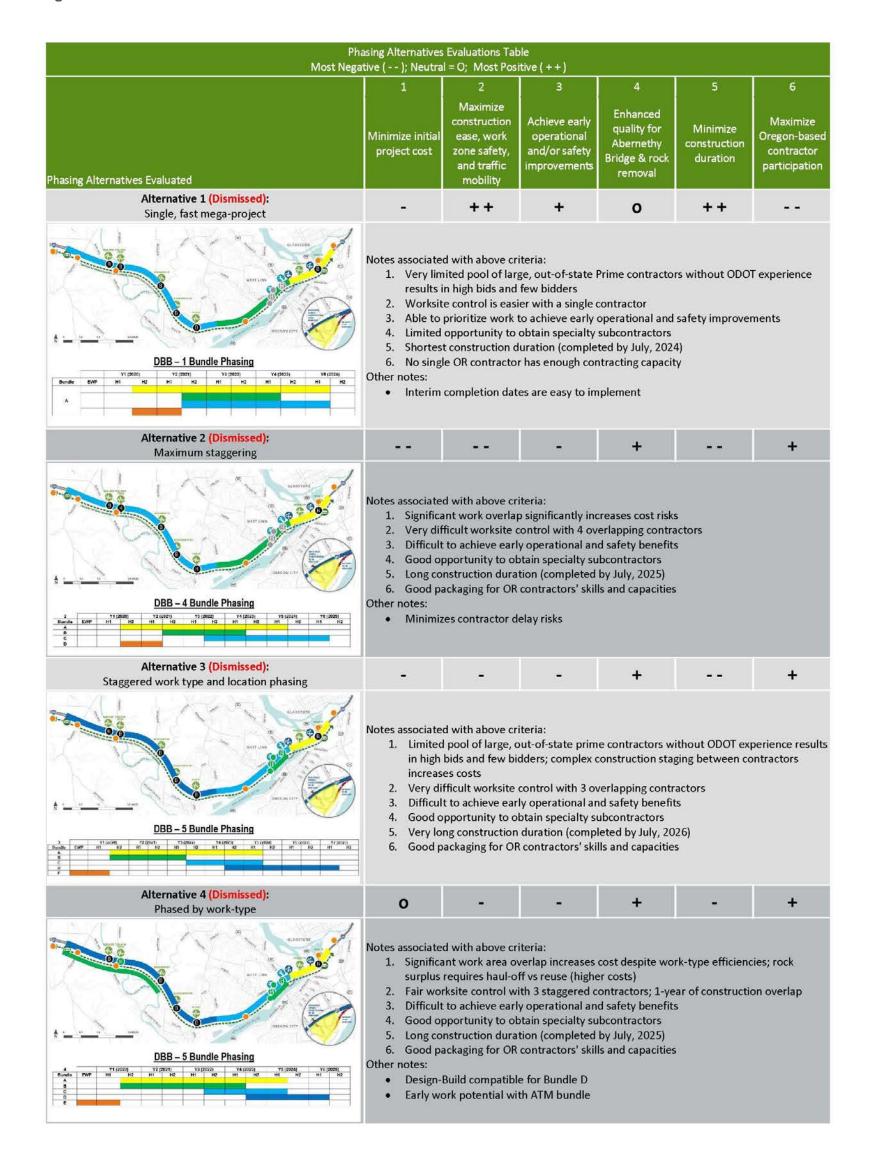


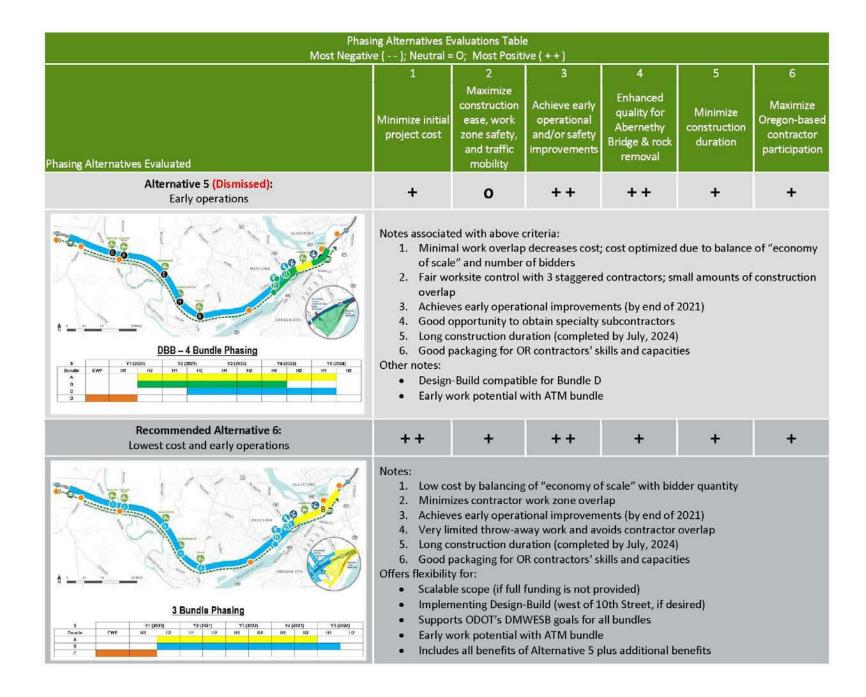


Appendix E. Phasing Alternatives Evaluation Table

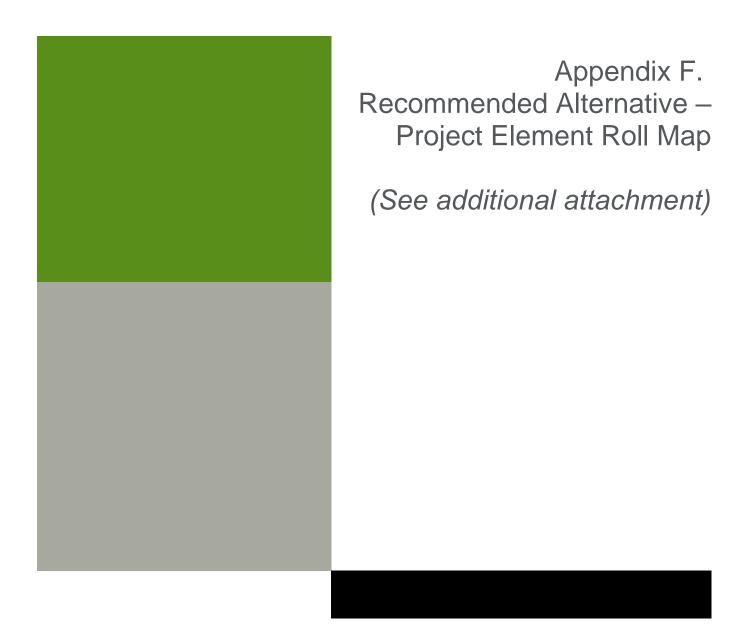
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Phasing Alternatives Evaluations Table

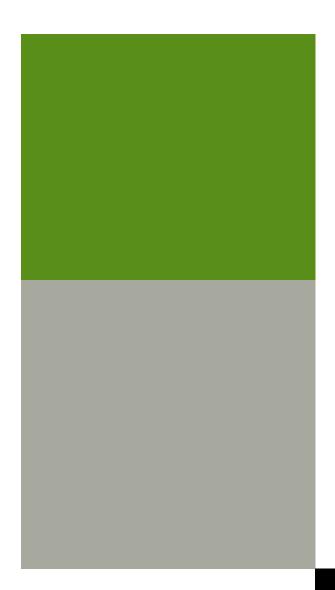






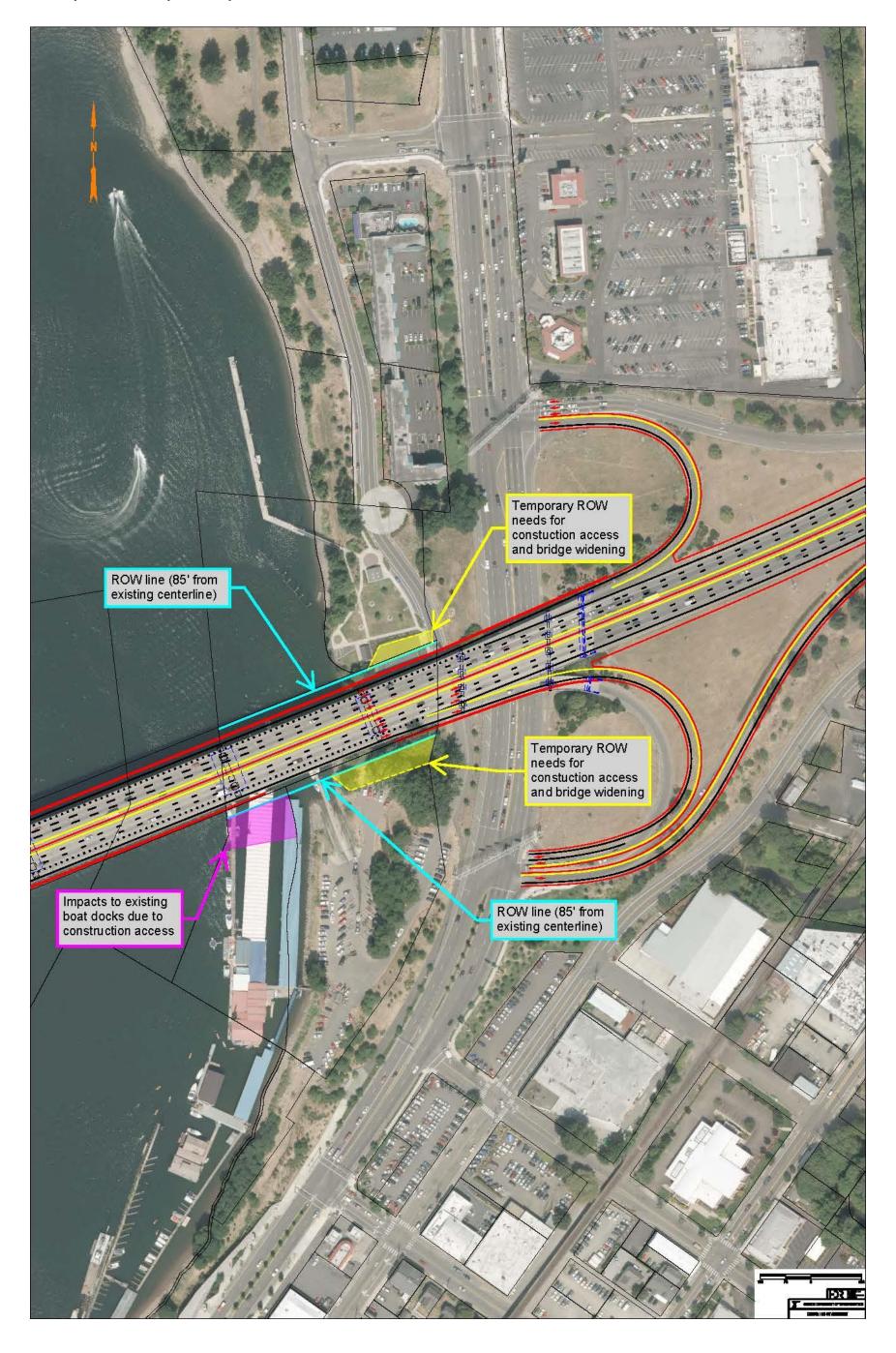




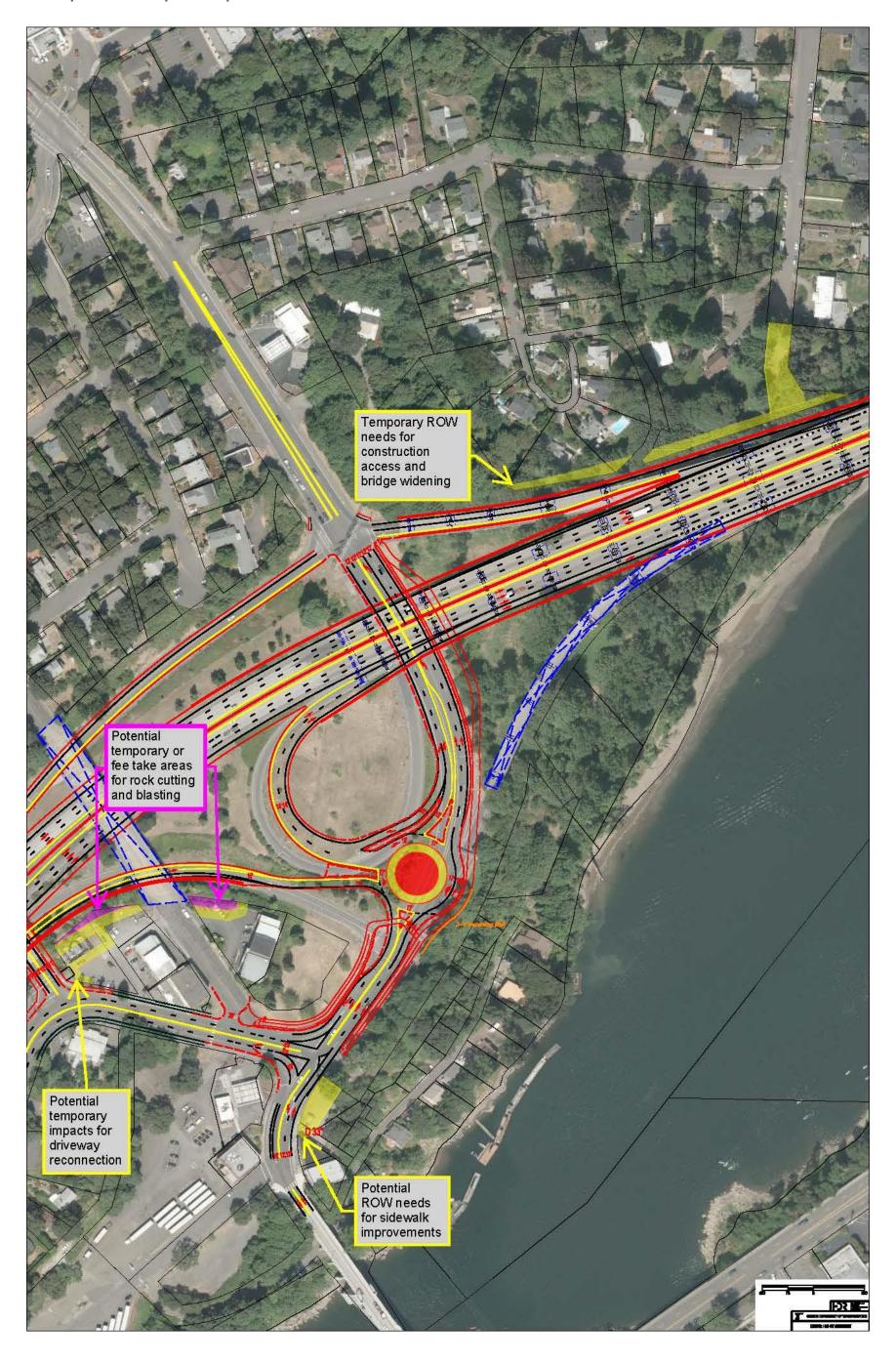


Appendix G. ROW Impacts Map

Conceptual ROW Impacts Map - OR 99E



Conceptual ROW Impacts Map – OR 43









I-205 View South of Overlook – Current View



I-205 View South of Overlook – Future View



I-205 View NB of Woodbine Road – Current View



I-205 View NB of Woodbine Road – Future View



I-205 View NB Towards Tualatin River Bridge – Current View



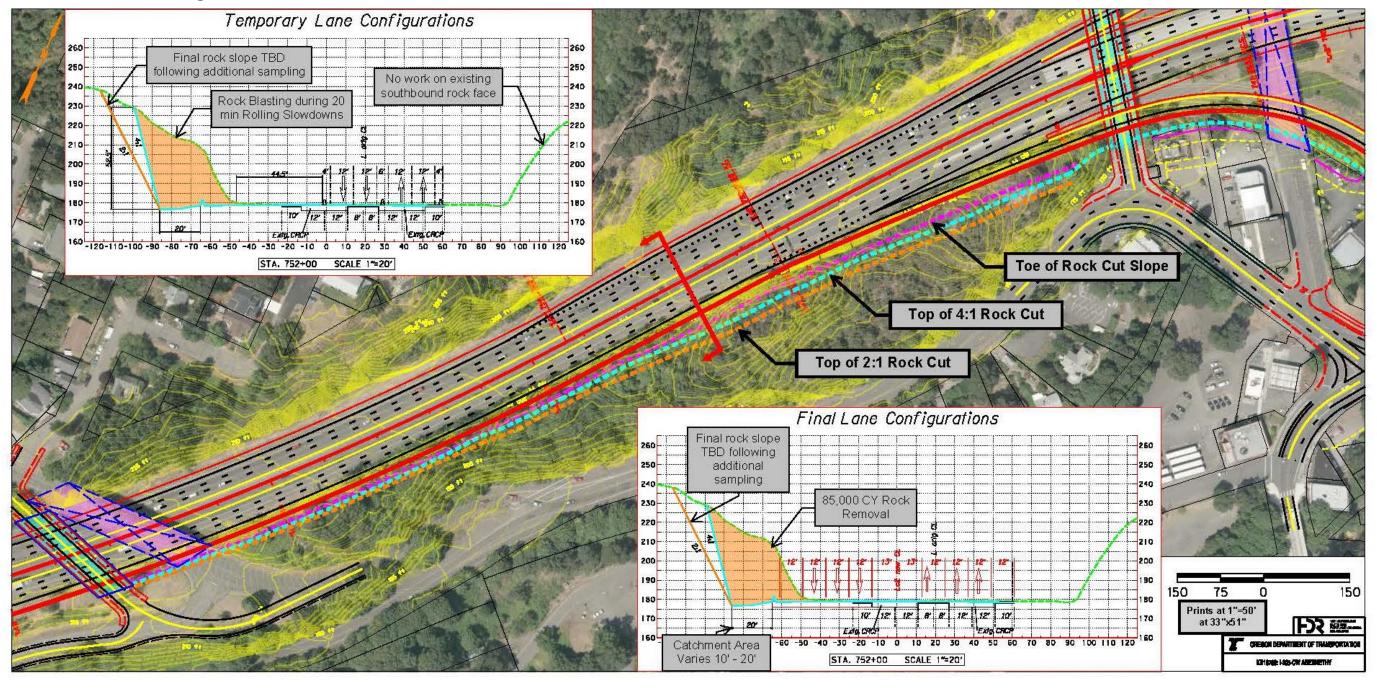
I-205 View NB Towards Tualatin River Bridge – Future View







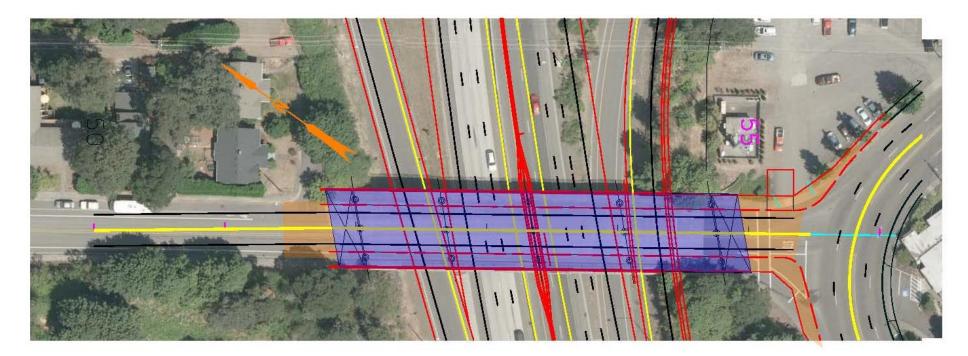
Rock Cut Area – Final Configuration

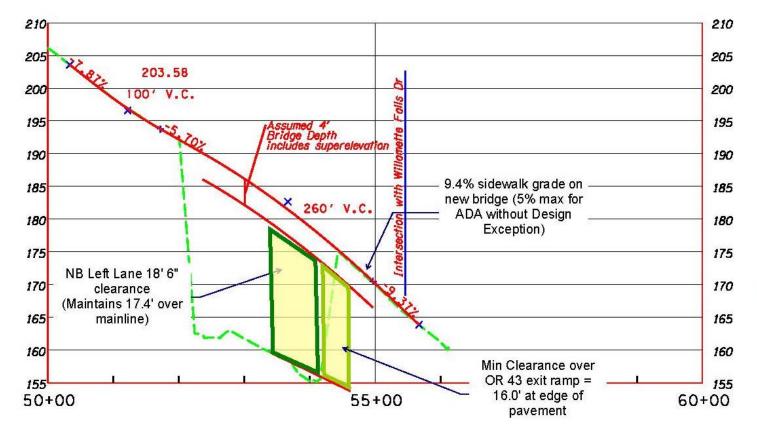






West A Street Plans and Profile View





Existing Vertical Clearance at West A (Northbound): Left Lane = 17' 11"

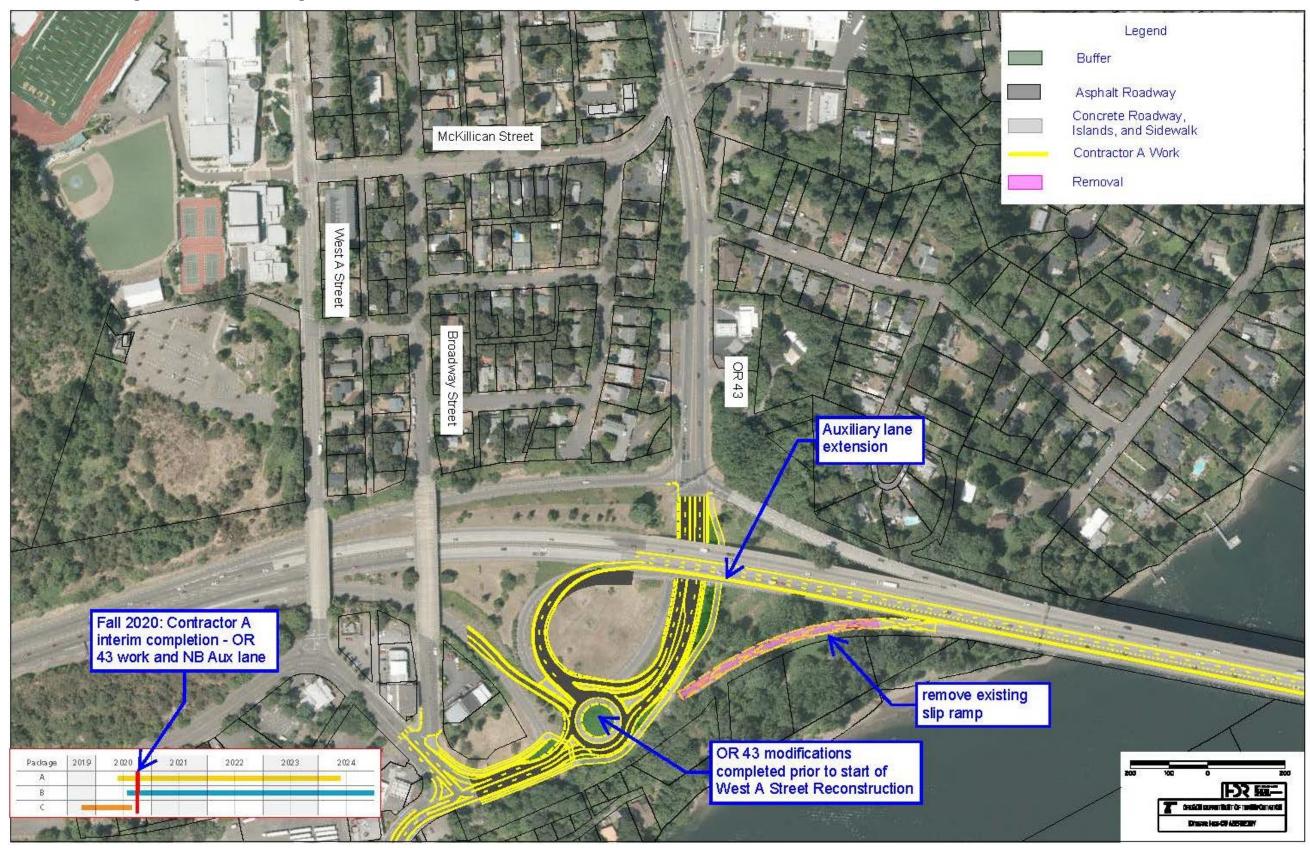
Right Lane = 17' 6" Off Ramp = 17' 5"

Proposed Vertical Clearance at West A: Left Lane (new) = 18' 6" Middle lane = 18' 1" Right lane = 17' 9" Off Ramp (lane) = 16' 5"

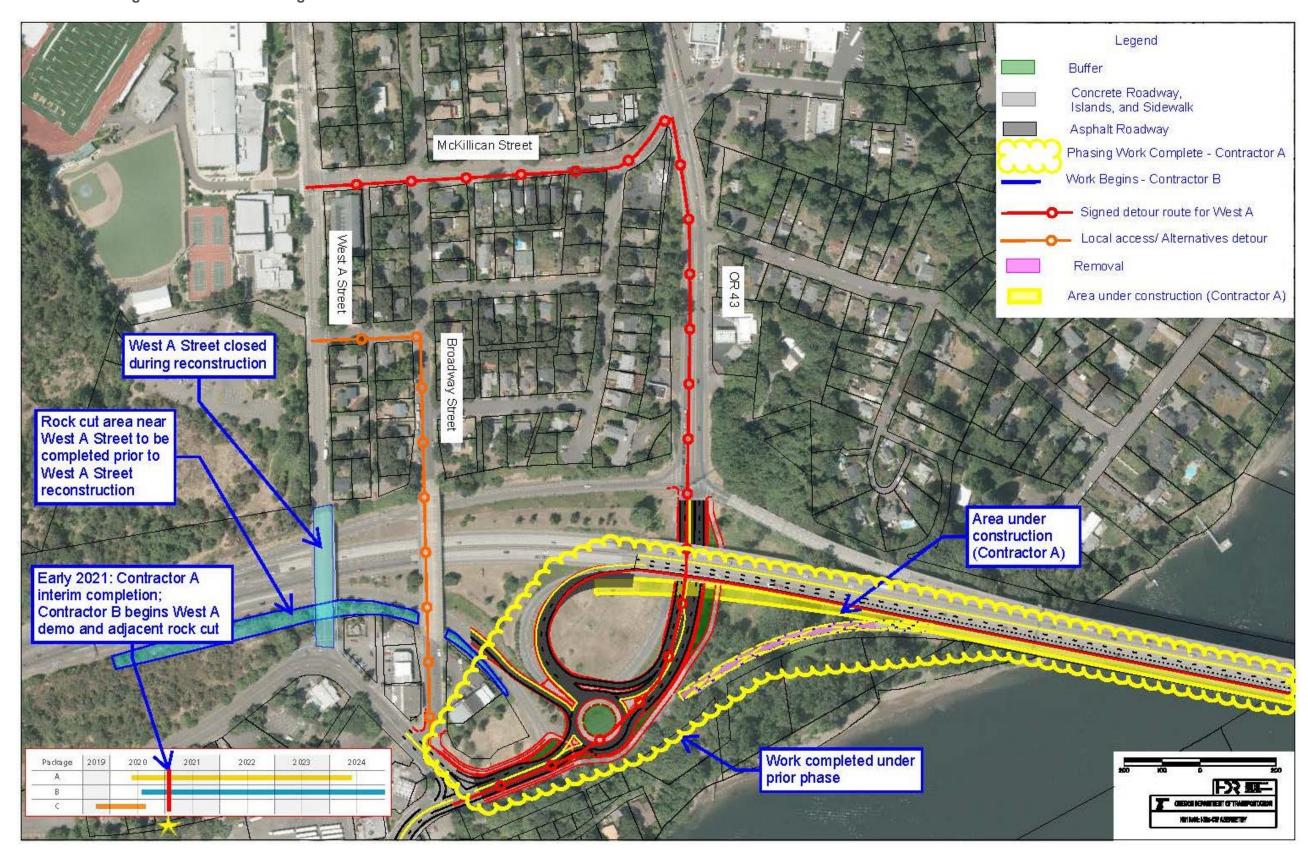
--- Proposed bent location

- Existing bent location Clearances include an assumed 9" CRCP overlay

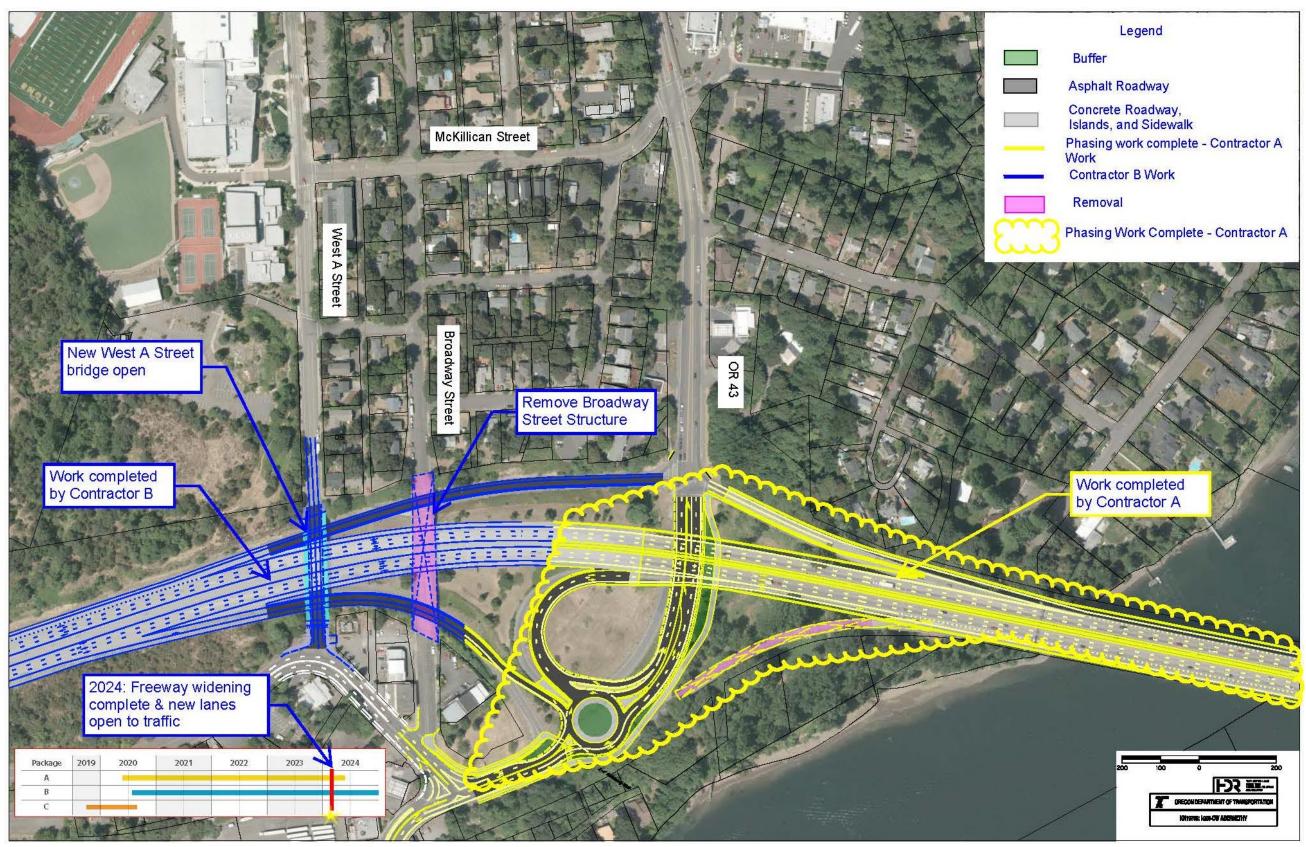
OR 43 and West A Street Bridge Construction Phasing – Phase 1 of 3.



OR 43 and West A Street Bridge Construction Phasing – Phase 2 of 3.



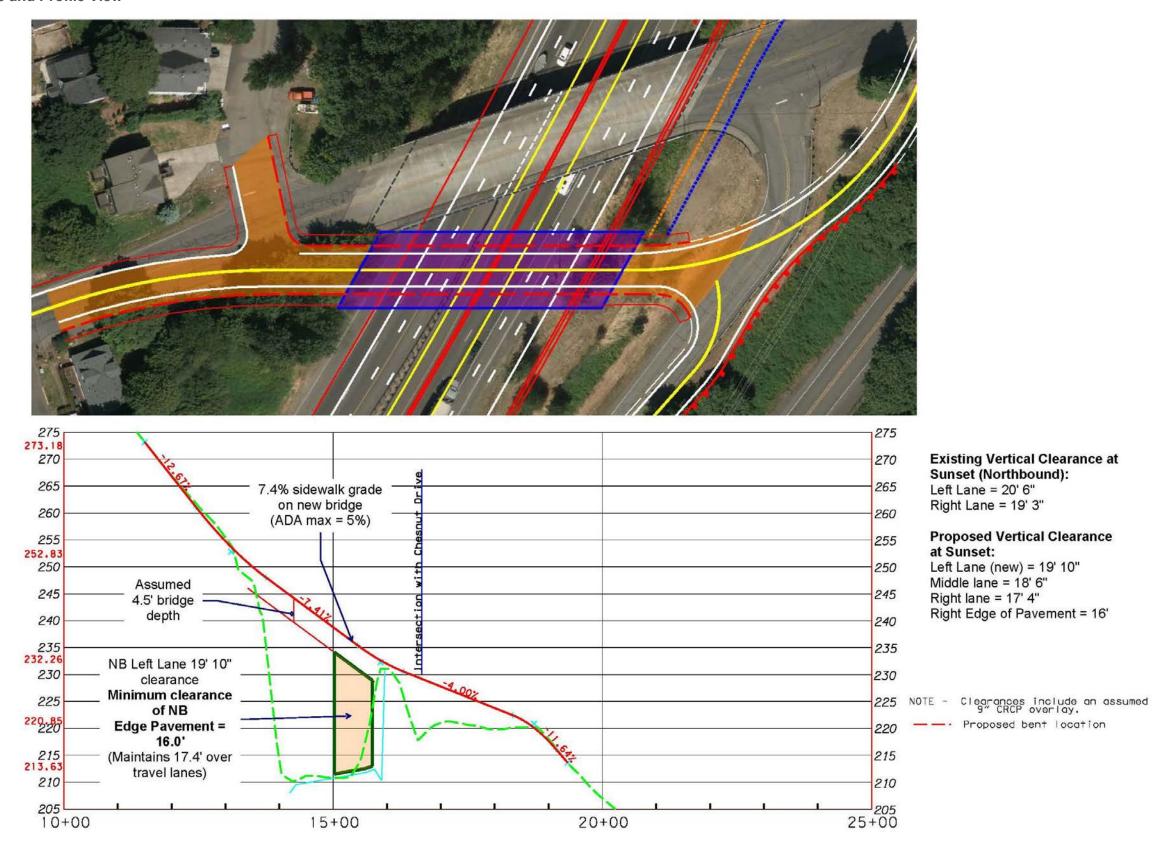
OR 43 and West A Street Bridge Construction Phasing – Phase 3 of 3.



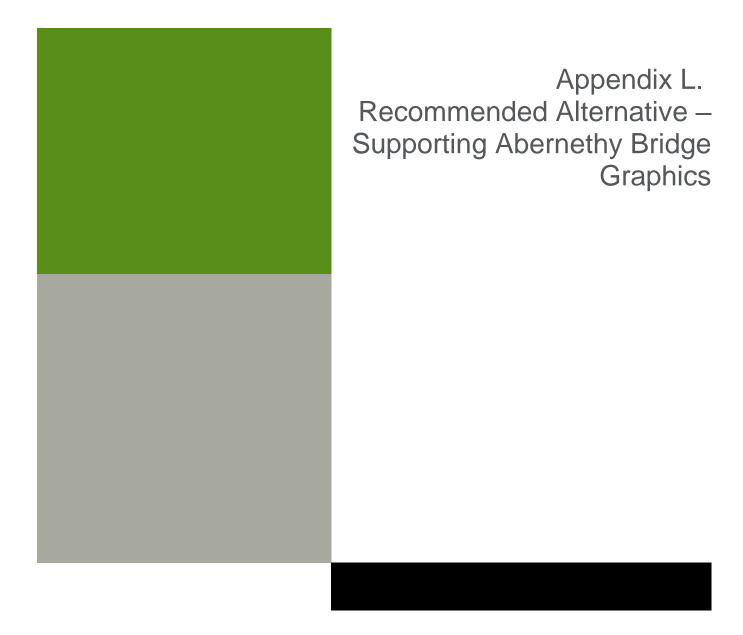


Appendix K.
Recommended Alternative –
Supporting Roadway Graphics
Sunset Avenue Bridge
Replacement Details

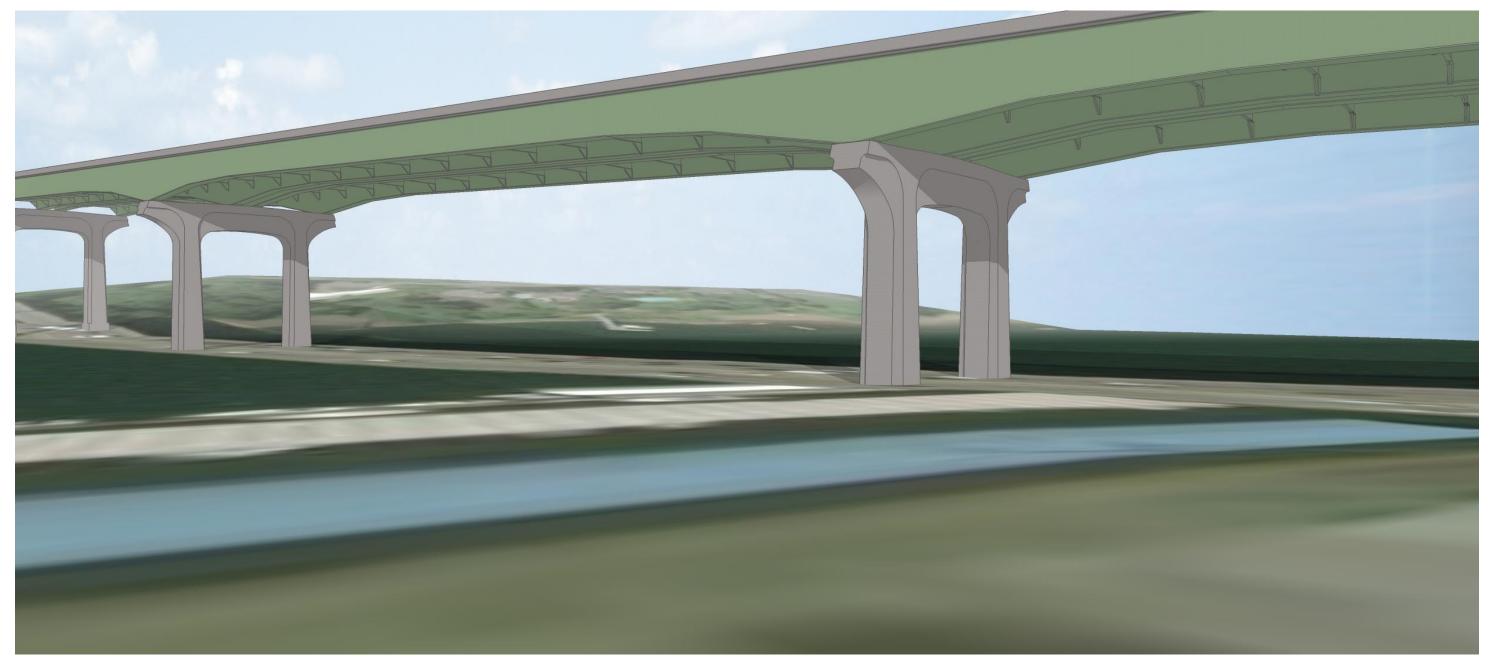
Sunset Avenue Plans and Profile View



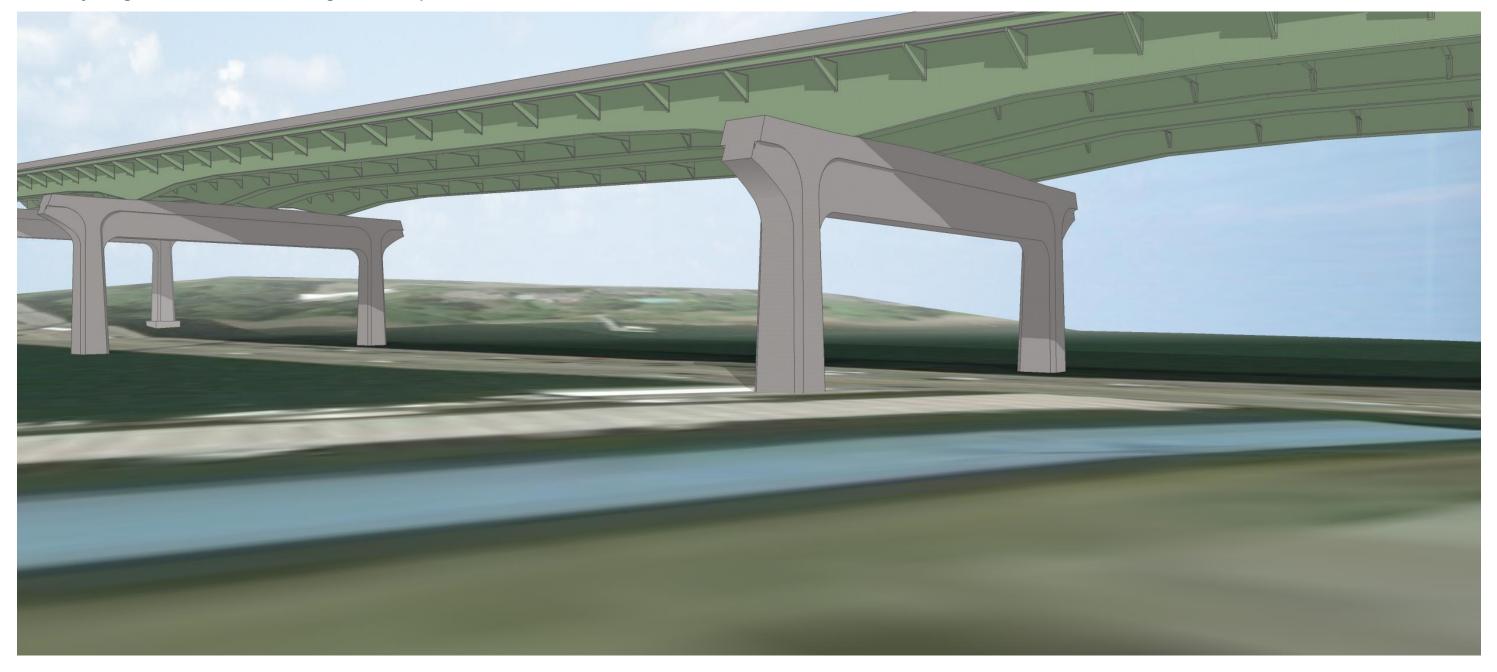




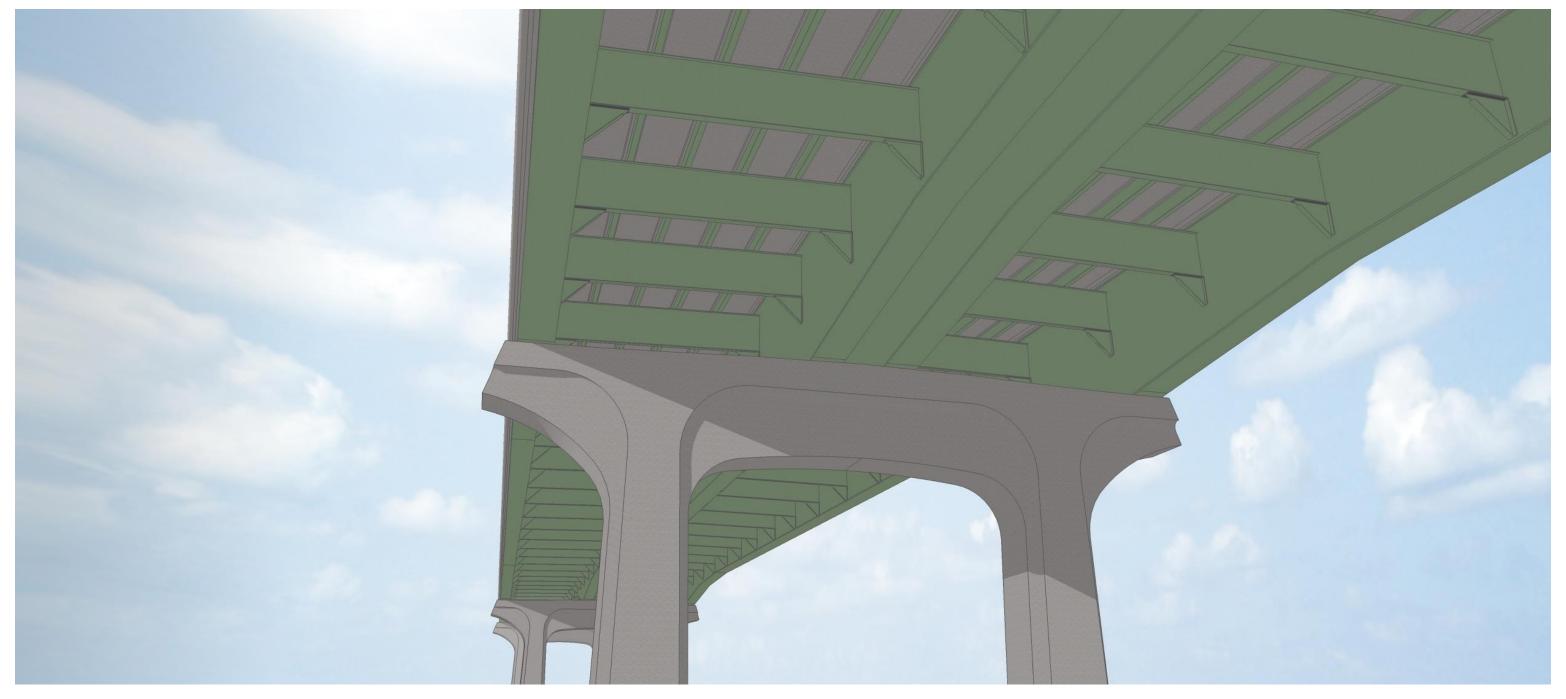
Abernethy Bridge – View 1 – Current View



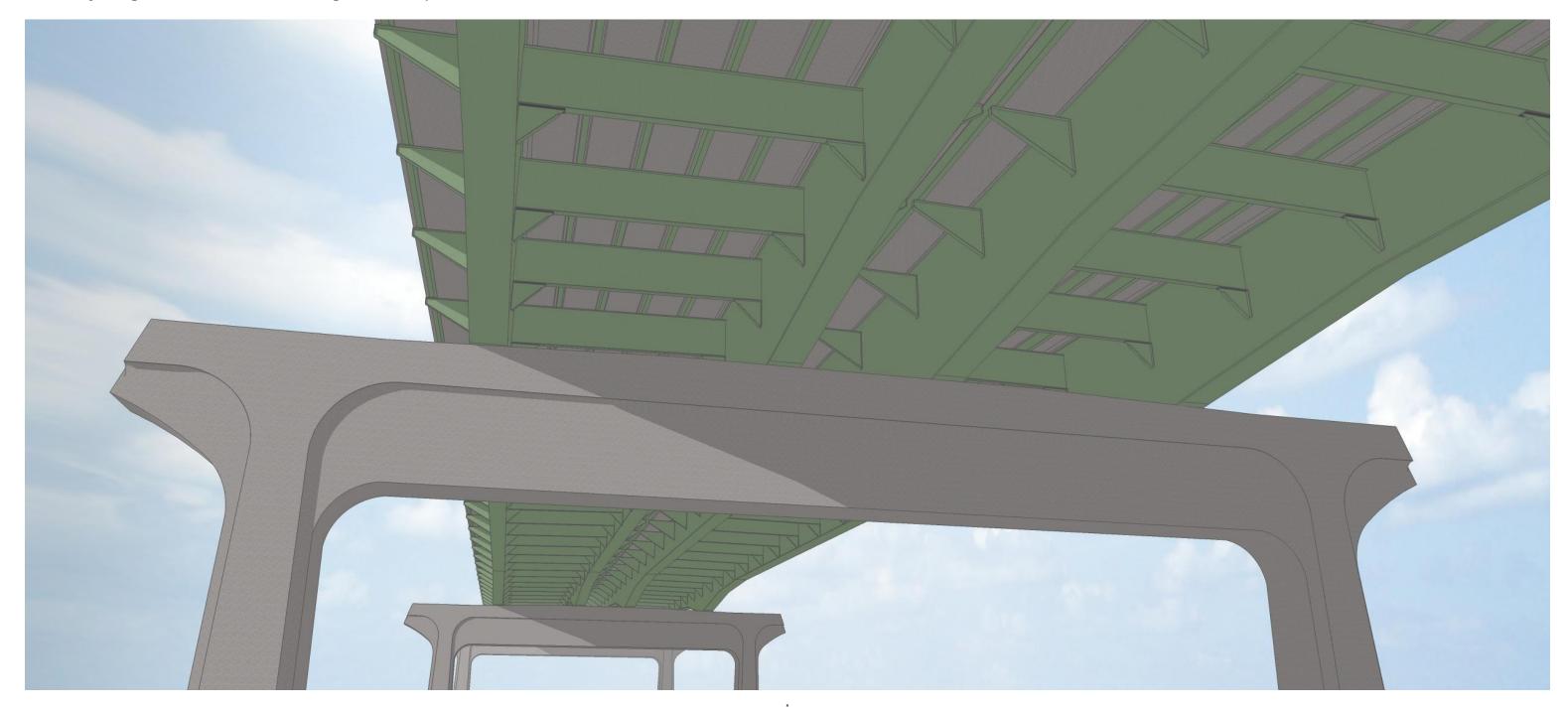
Abernethy Bridge – View 1 – Future Widening and Pier Replacement



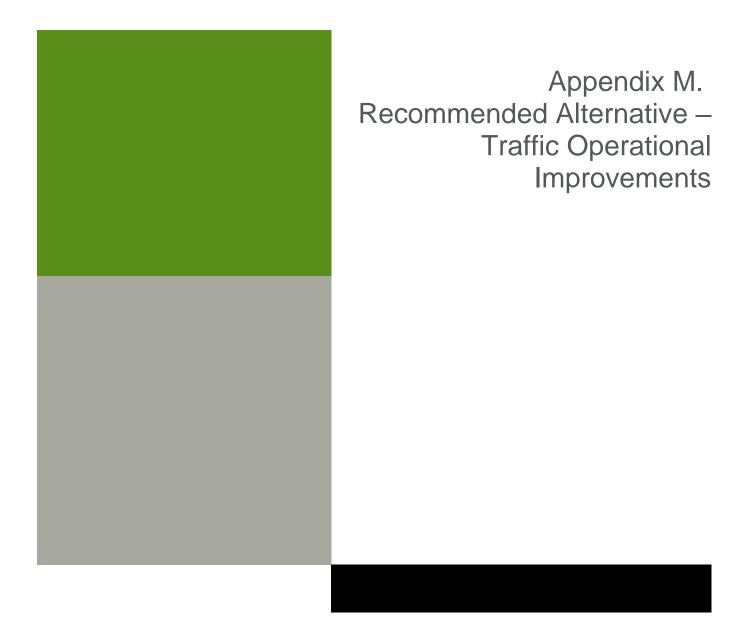
Abernethy Bridge – View 2 – Current View

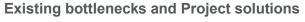


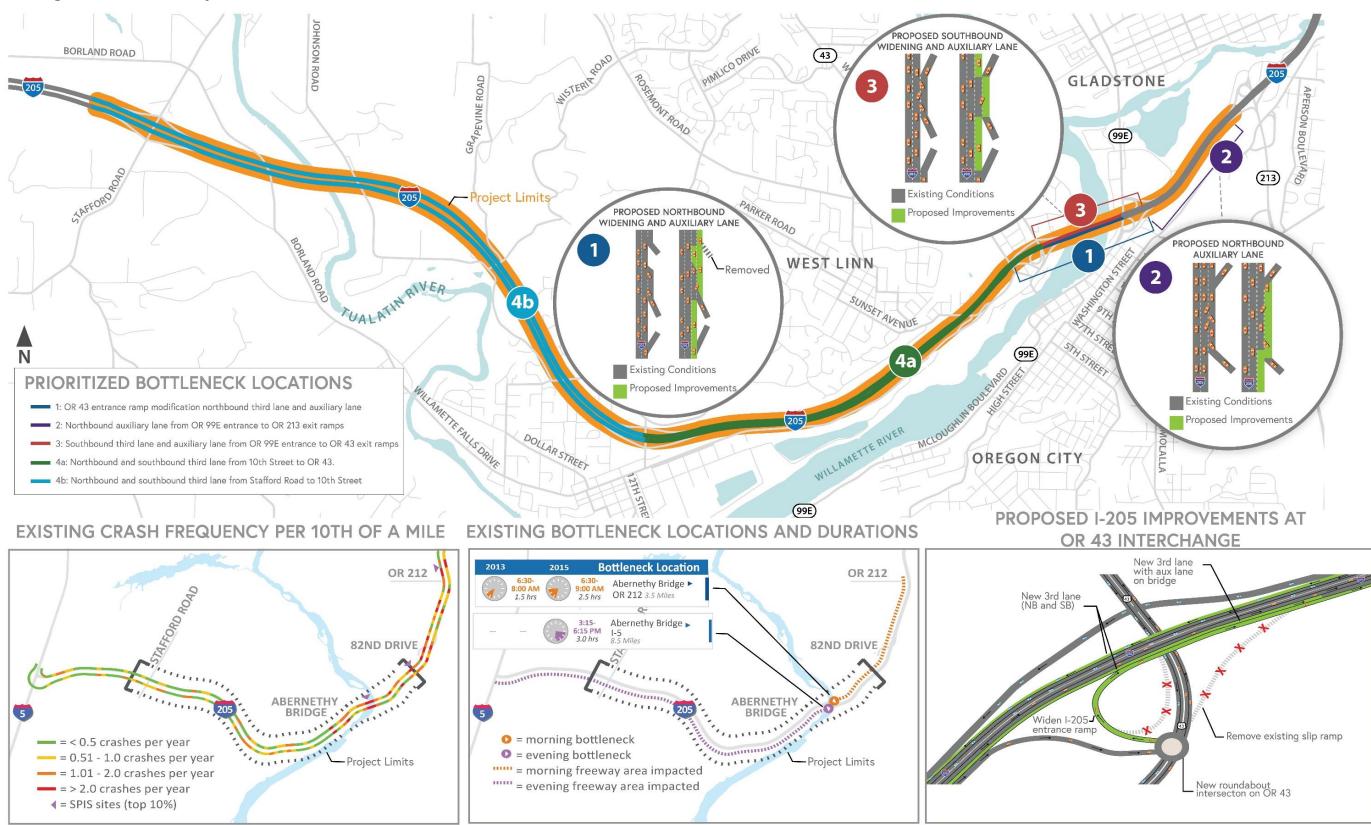
Abernethy Bridge – View 2 – Future Widening and Pier Replacement



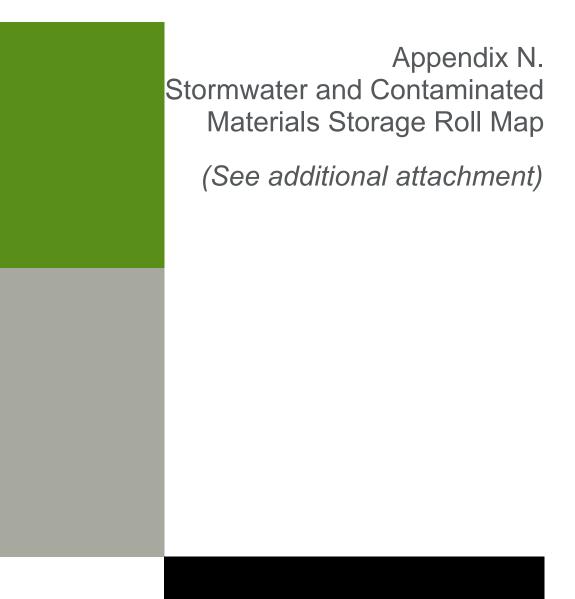






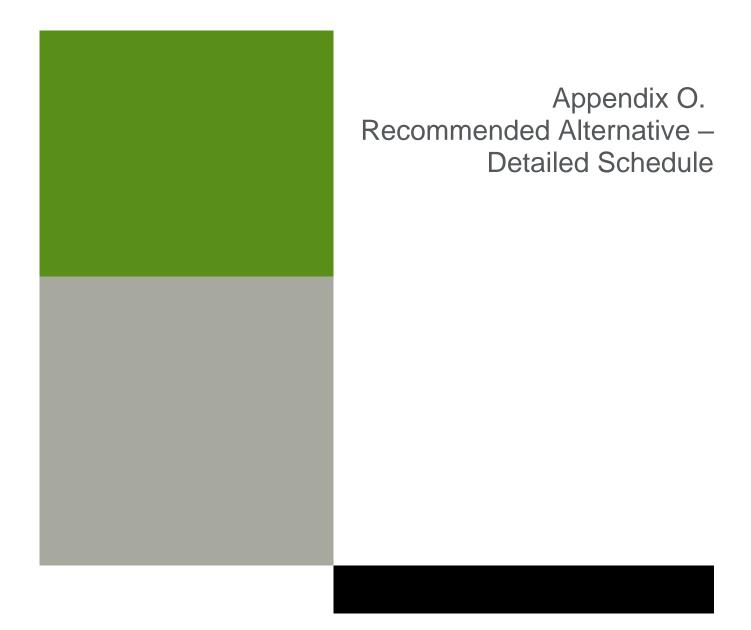












Detailed Project Construction Schedule

