

**Appendix A   Interagency and Public  
Involvement Schedules**

# INTERAGENCY AND PUBLIC INVOLVEMENT SCHEDULES

**Table A-1** PPMT Meeting Summary

Meeting	Date & Time	Meeting Topics
PPMT #1	December 15, 2010 - 1:30 p.m.	<ul style="list-style-type: none"> <li>• Provided an overview of project goals and objectives.</li> <li>• Introduced the project website and login information</li> <li>• Discussed Draft Goals &amp; Objectives</li> <li>• Outlined and discussed Draft Technical Memorandum #1: Plan and Policy Review</li> <li>• Outlined and discussed Draft Technical Memorandum #2: Existing Conditions</li> </ul>
PPMT #2	February 2, 2011 - 1:30 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed Draft Technical Memorandum #3: Future Conditions</li> </ul>
PPMT #3	April 6, 2011 - 1:30 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed Draft Technical Memorandum #4: Circulation and Access Opportunities and Constraints</li> </ul>
PPMT #4	May 18, 2011 - 1:30 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed Draft Technical Memorandum #5A: OR Highway 126 Corridor Refined Concept Screening</li> <li>• Outlined and discussed Draft Technical Memorandum 5B: Alternative Land Use Strategies in Support of OR Highway 126 Mobility, Safety, and Performance Standards</li> </ul>
PPMT #5	July 25, 2011 - 1:30 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed Draft Technical Memorandum #6: OR Highway 126 Corridor Project Implementation Plan Evaluation</li> </ul>
PPMT #6	August 23, 2011 - 1:30 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed the Draft Facility Plan</li> </ul>

**Table A-2** PAC Meeting Summary

Meeting	Date & Time	Meeting Topics
PAC #1	December 15, 2010 - 4:00 p.m.	<ul style="list-style-type: none"> <li>• Provided an overview of project goals and objectives.</li> <li>• Introduced the project website and login information</li> <li>• Discussed Draft Goals &amp; Objectives</li> <li>• Outlined and discussed Draft Technical Memorandum #1: Plan and Policy Review</li> <li>• Outlined and discussed Draft Technical Memorandum #2: Existing Conditions</li> </ul>
PAC #2	February 2, 2011 - 4:00 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed Draft Technical Memorandum #3: Future Conditions</li> </ul>
PAC #3	April 6, 2011 - 4:00 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed Draft Technical Memorandum #4: Circulation and Access Opportunities and Constraints</li> </ul>
PAC #4	May 18, 2011 - 4:00 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed Draft Technical Memorandum #5A: OR Highway 126 Corridor Refined Concept Screening</li> <li>• Outlined and discussed Draft Technical Memorandum #5B: Alternative Land Use Strategies in Support of OR Highway 126 Mobility, Safety &amp; Performance Standards</li> </ul>
PAC #5	July 25, 2011 - 4:00 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed Draft Technical Memorandum #6: OR Highway 126 Corridor Project Implementation Plan Evaluation</li> </ul>
PAC #6	August 16, 2011 – 4:00 p.m.	<ul style="list-style-type: none"> <li>• Outlined and discussed the Draft Facility Plan</li> </ul>

**Table A-3** Public Workshop Summary

Meeting	Date & Time	Meeting Topics
Public Workshop #1	February 2, 2011 - 7:00 p.m.	<ul style="list-style-type: none"> <li>Presented findings of existing conditions analysis</li> <li>Presented existing and future travel demand for the corridor</li> <li>Identified operational and safety deficiencies</li> <li>Provided participants the opportunity to sketch their ideas for corridor improvements</li> </ul>
Public Workshop #2	May 18, 2011 - 7:00 p.m.	<ul style="list-style-type: none"> <li>Presented results of initial concept screening</li> <li>Provided feedback on input received from Public Workshop #1</li> <li>Presented alternative land use strategies and gather public input</li> </ul>
Public Meeting	August 23, 2011 – 7:00 p.m.	<ul style="list-style-type: none"> <li>Presented a summary of the project and outlined the draft facility plan</li> </ul>

**Table A-4** Joint Work Session Summary

Meeting	Date & Time	Meeting Topics
Joint Work Session #1	January 11, 2011 - 4:00 p.m.	<ul style="list-style-type: none"> <li>Provided project background information and introduce project</li> <li>Presented need statement, project schedule, public outreach plan, and project goals and objectives</li> </ul>
Joint Work Session #2	April 12, 2011 – 4:00 p.m.	<ul style="list-style-type: none"> <li>Provided an update on project progress</li> <li>Presented existing conditions and future conditions analysis findings</li> </ul>
Joint Work Session #3	August 23, 2011 – 4:00 p.m.	<ul style="list-style-type: none"> <li>Provided a summary of the draft implementation plan</li> <li>Outlined alternative land use strategies and draft code amendments</li> <li>Provided an overview of implementation process</li> </ul>

## **Appendix B Preferred Intersection Concepts**



(1"=100')

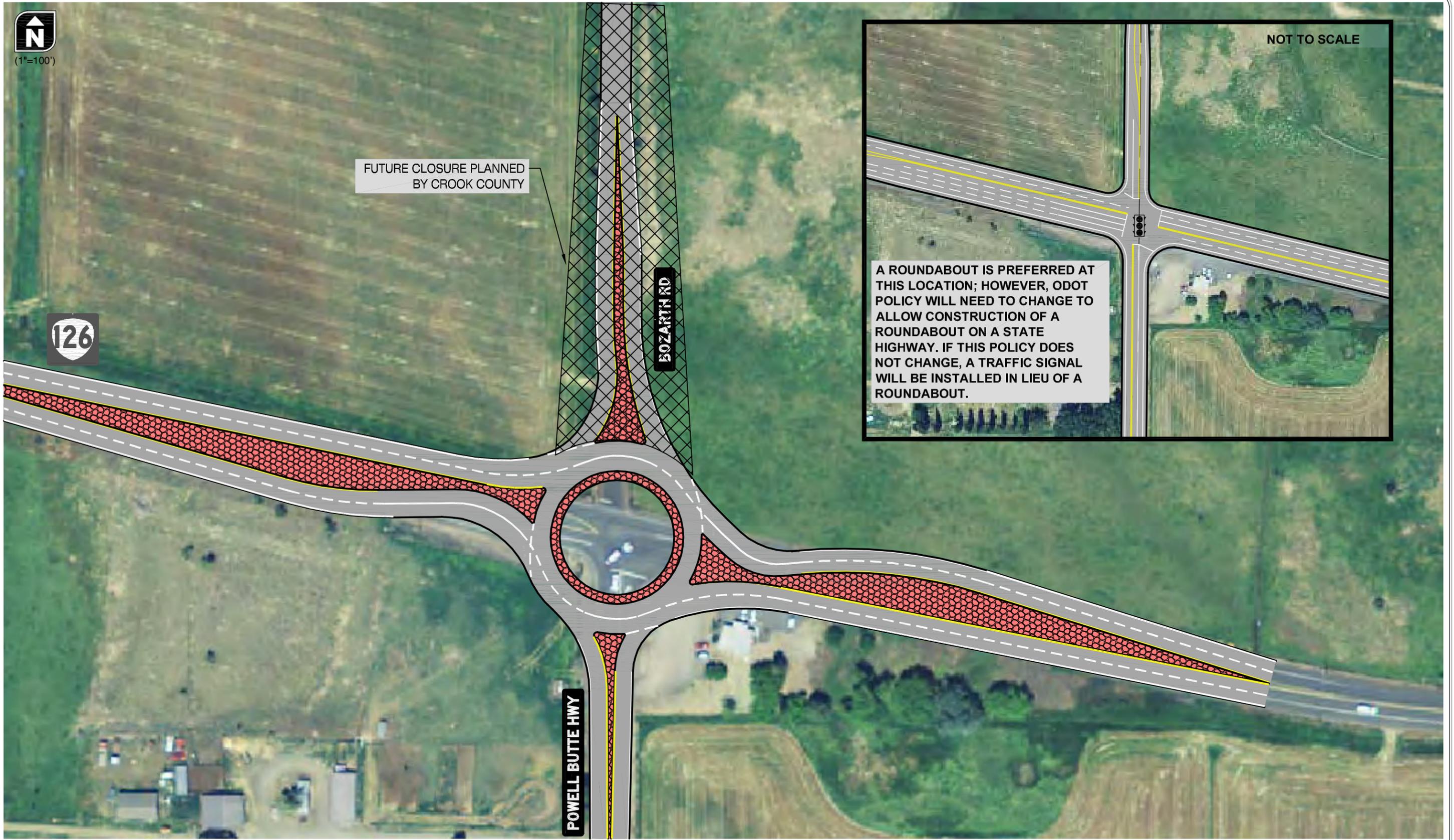


MEDIUM-TERM INTERSECTION IMPLEMENTATION PROJECT  
 OR 126/POWELL BUTTE HIGHWAY  
 CROOK COUNTY, OREGON

FIGURE  
**PB1a**

H:\proj\file\11168 - OR 126 Powell Butte Corridor Evaluation\dwgs\Final\Concepts\Civil\037213-TRANS-PButte-TR00-int.dwg Sep 07, 2011 - 1:55pm - cbergh Layout Tab: PB2 POWELL BUTTE HWY

H:\proj\file\11168 - OR 126 Powell Butte Corridor Evaluation\dwgs\Final\Concepts\Civil\037213-TRANS-PButte-TR00-int.dwg Sep 07, 2011 - 5:12pm - cbergh Layout Tab: PB2 POWELL BUTTE HWY (2)



LONG-TERM INTERSECTION IMPLEMENTATION PROJECT  
OR 126/POWELL BUTTE HIGHWAY  
CROOK COUNTY, OREGON

FIGURE  
PB1

H:\proj\file\1168 - OR 126 Powell Butte Corridor Evaluation\dwgs\Final\Concepts\Civil\037213-TRANS-Williams-ROAD.dwg Sep 07, 2011 - 12:42pm - cbergh Layout Tab: 3 WILLIAMS ROAD (2)



**WHPacific**

123 SW Columbia Street  
Bend, OR 97702  
541-388-4255 Fax 541-388-4229  
www.whpacific.com

SHORT-TERM INTERSECTION IMPLEMENTATION PROJECTS  
OR 126/WILLIAMS ROAD  
CROOK COUNTY, OREGON

FIGURE  
**W1a**



WILLIAMS RD



(1" = 100')



CONSOLIDATE ACCESS TO NEW DRIVEWAY AND PROVIDE PARKING WITH INTERNAL CIRCULATION

FINAL ALIGNMENT OF DRIVEWAY TO BE COORDINATED WITH CHARTER SCHOOL RENOVATION SITE PLAN

MEDIUM/LONG-TERM INTERSECTION IMPLEMENTATION PROJECTS OR 126/WILLIAMS ROAD CROOK COUNTY, OREGON

FIGURE W1

H:\proj\file\11168 - OR 126 Powell Butte Corridor Evaluation\dwgs\Final\Concepts\Civil\037213-TRANS-Williams-TR00.dwg Sep 07, 2011 - 12:40pm - cbergh Layout Tab. 8 WILLIAMS ROAD



H:\proj\file\11168 - OR 126 Powell Butte Corridor - Evaluation\dwgs\Final\Concepts\Civil\037213-TRANS-TMcCall-TR00-INT-T1.dwg Sep 07, 2011 - 12:56pm - cbergh Layout Tab: T-1a

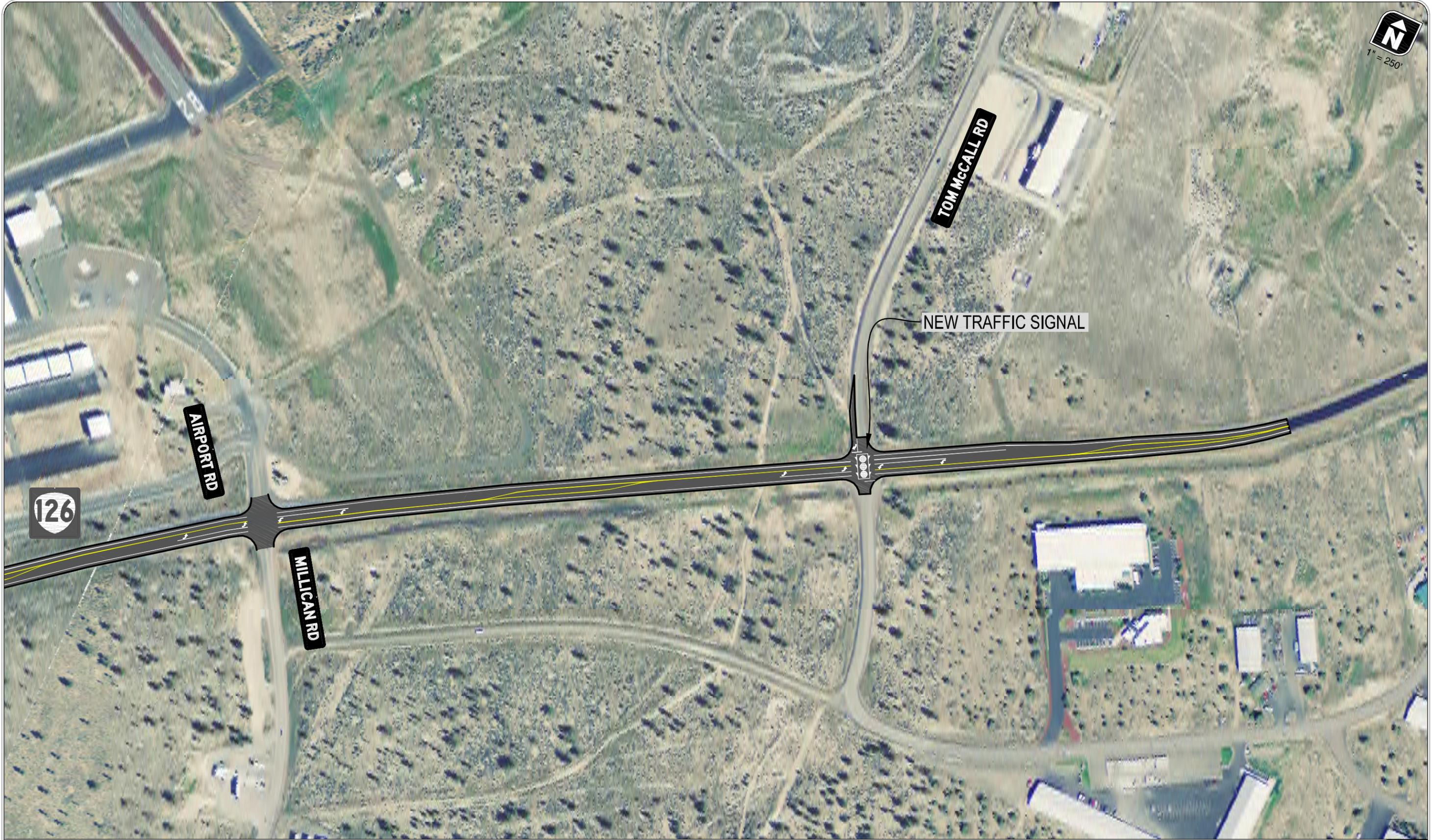


SHORT-TERM INTERSECTION IMPLEMENTATION PROJECT  
OR 126 / TOM McCALL ROAD  
CROOK COUNTY, OREGON

FIGURE  
T1a



H:\proj\file\11168 - OR 126 Powell Butte Corridor - Evaluation\dwg\Final\Concepts\Civil\037213-TRANS-TMcCall-TR00-INT-T1.dwg Sep 07, 2011 - 12:55pm - cbergh Layout Tab: T-1b

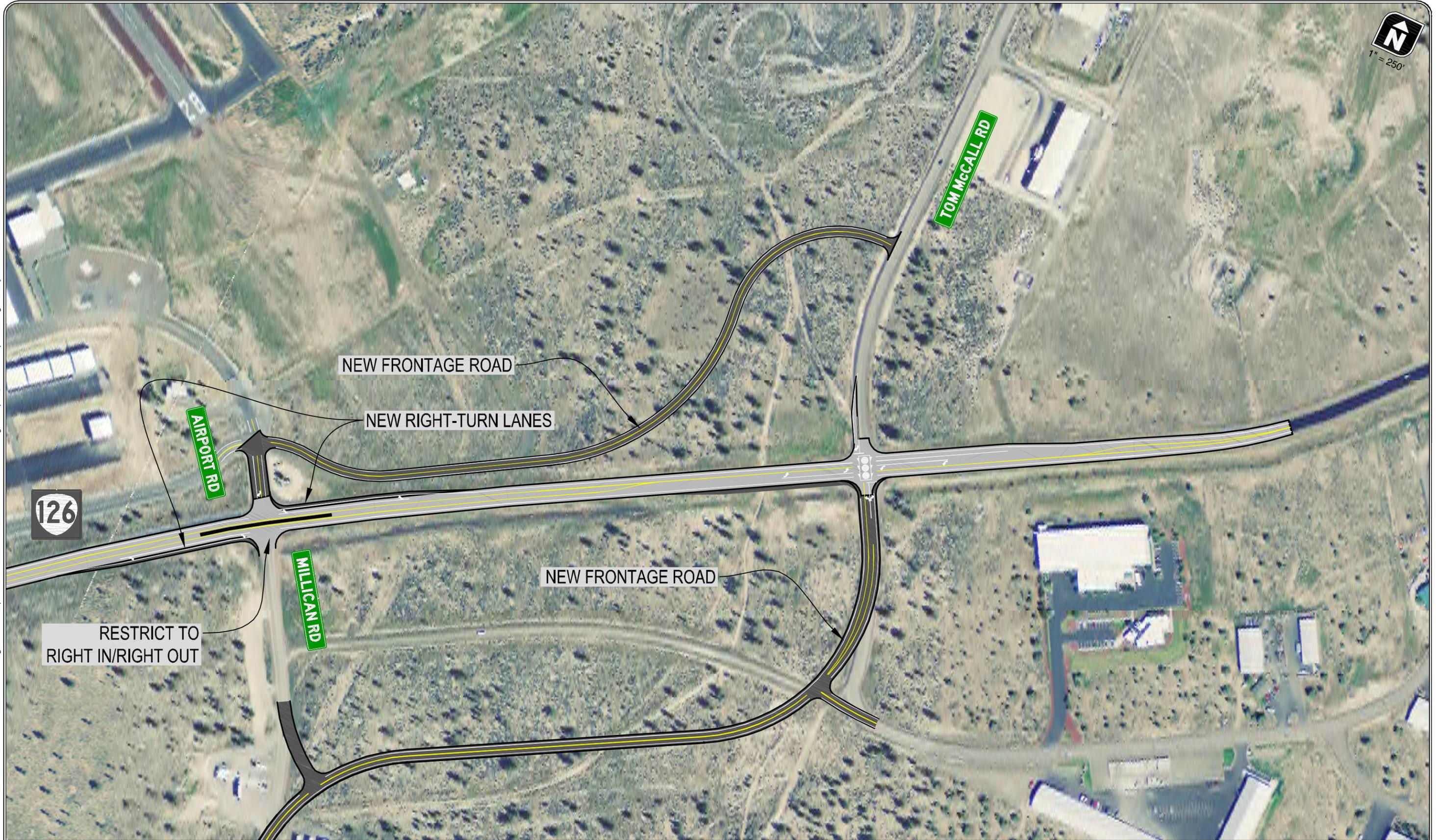


SHORT-TERM INTERSECTION IMPLEMENTATION PROJECT  
OR 126 / TOM McCALL ROAD  
CROOK COUNTY, OREGON

FIGURE  
T1b



H:\proj\11168 - OR 126 Powell Butte Corridor Evaluation\dwgs\FinalConcepts\Civil\03213-TRANS-TMcCall-TR00-INT-T1.dwg Sep 07, 2011 - 1:13pm - cbergh Layout Tab: T-1c



RESTRICT TO  
RIGHT IN/RIGHT OUT

NEW FRONTAGE ROAD

NEW RIGHT-TURN LANES

NEW FRONTAGE ROAD

TOM McCALL RD

AIRPORT RD

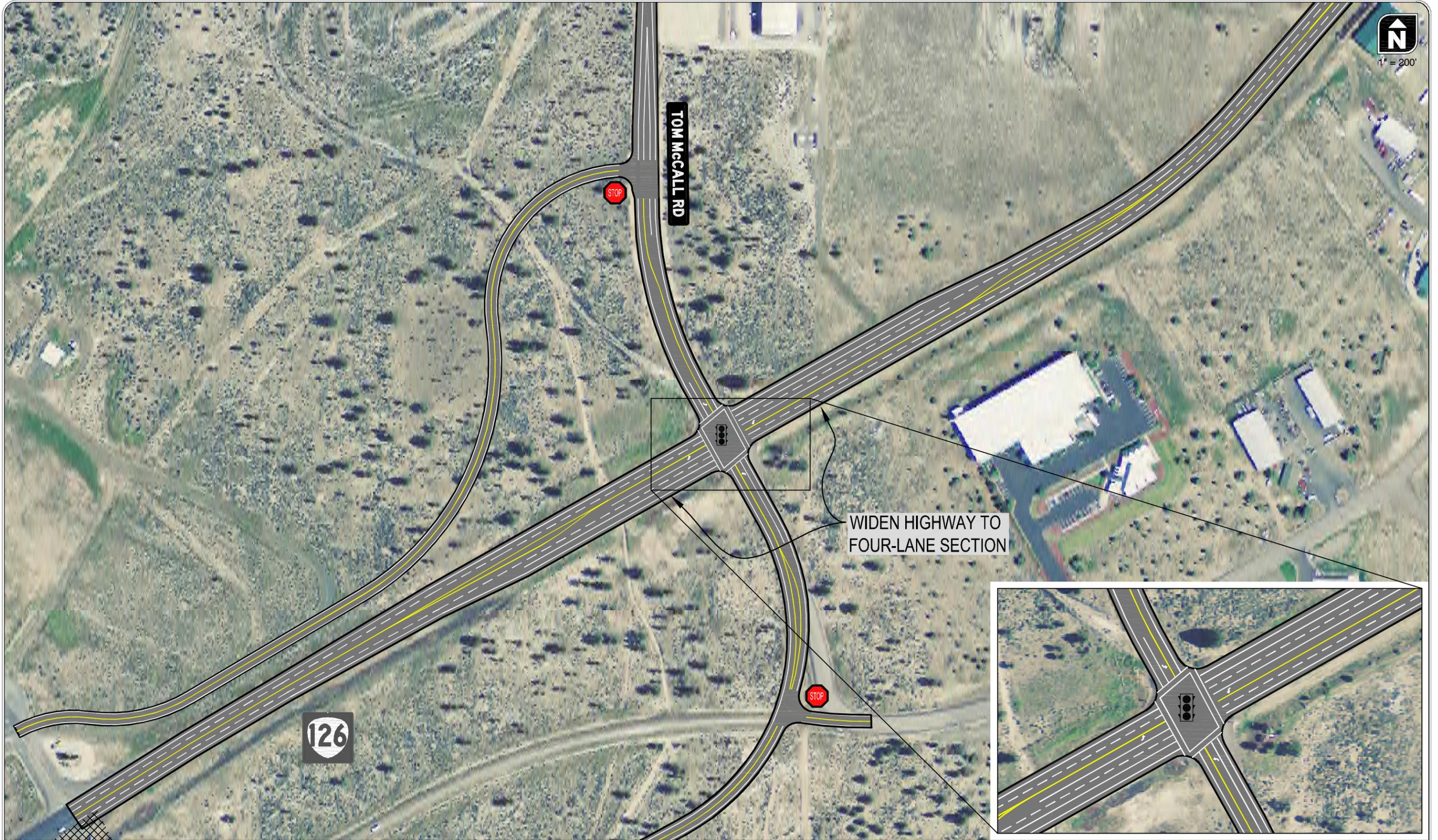
MILLICAN RD

126

SHORT-TERM INTERSECTION IMPLEMENTATION PROJECT  
OR 126 / TOM McCALL ROAD  
CROOK COUNTY, OREGON

FIGURE  
T1c

H:\proj\11168 - OR 126 Powell Butte Corridor Evaluation\dwgs\FinalConcepts\Civil\037213-TRANS-TMcCall-TR00.dwg Sep 07, 2011 - 2:03pm - cbargh Layout Tab: 4 TOM McCALL (2)



MEDIUM-TERM INTERSECTION IMPLEMENTATION PROJECT  
OR 126 / TOM McCALL ROAD  
CROOK COUNTY, OREGON

FIGURE  
T1d



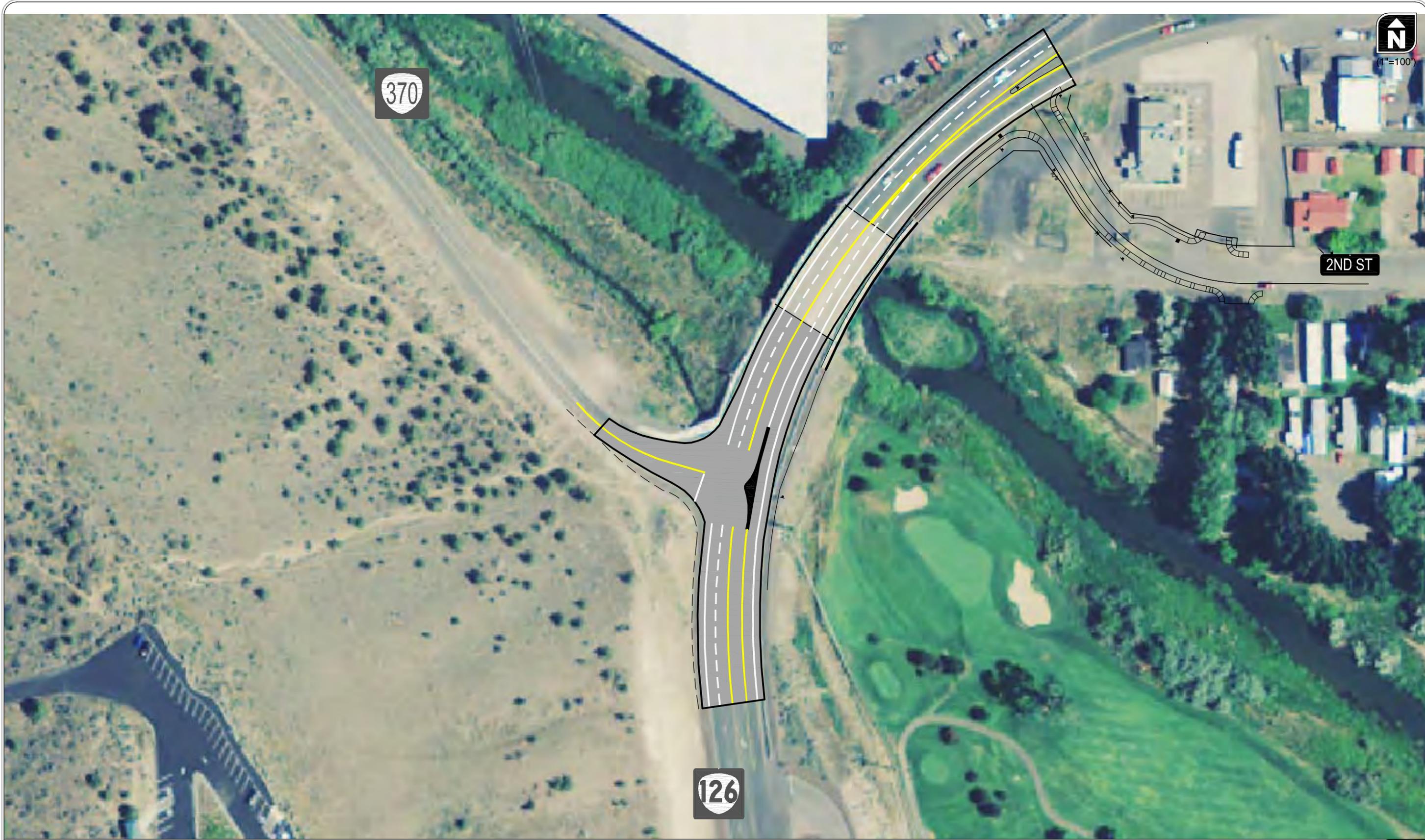
H:\proj\11168 - OR 126 Powell Butte Corridor Evaluation\dwgs\FinalConcepts\Civil\037213-TRANS-TMcCall-TR00-INT.dwg Sep 07, 2011 - 2:07pm - cbergh Layout Tab: PH4 TOM McCALL



LONG-TERM INTERSECTION IMPLEMENTATION PROJECT  
OR126 / TOM McCALL ROAD  
CROOK COUNTY, OREGON

FIGURE  
T1

H:\proj\file\11168 - OR 126 Powell Butte Corridor Evaluation\divgs\Final\Concepts\Civil\037213-TRANS-ONEILL-TR00-INT.dwg Sep 07, 2011 - 2:11pm - cbergh Layout Tab: 03 ONEILL HWY (OR 370)



SHORT-TERM INTERSECTION IMPLEMENTATION PROJECT  
OR 126/O'NEIL HIGHWAY  
CROOK COUNTY, OREGON

FIGURE  
**O1a**



(1"=200')

H:\proj\file\11168 - OR 126 Powell Butte Corridor Evaluation\dwgs\Final\Concepts\Civil\037213-TRANS-O'Neill-TR00-INT.dwg Sep 07, 2011 - 2:17pm - cbergh Layout Tab: O'NEILL HWY (OR 370)



DESIGN REFLECTS THE CITY'S  
CURRENT TSP  
TO BE UPDATED AS PART OF THE  
CITY'S UPCOMING TSP  
AMENDMENT

LONG-TERM INTERSECTION IMPLEMENTATION PROJECT  
OR 126/O'NEIL HIGHWAY  
CROOK COUNTY, OREGON

FIGURE  
**01**

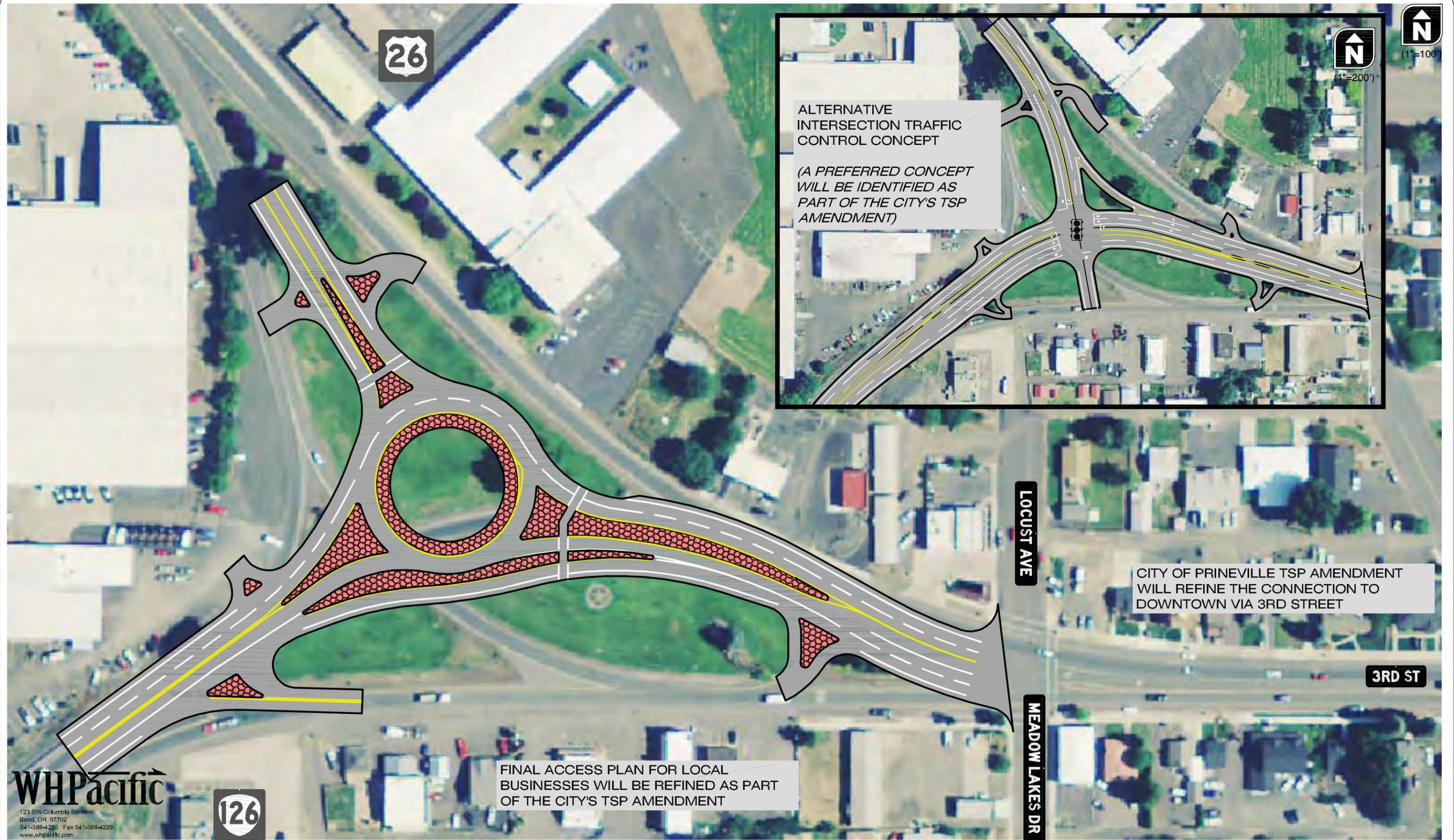
H:\proj\file\11168 - OR 126 Powell Butte Corridor Evaluation\dwgs\Final\Concepts\Civil\037213-TRANS-US26-TR00.dwg Sep 07, 2011 - 2:28pm - cbergh Layout Tab: Y1 US26



FINAL INTERSECTION TRAFFIC CONTROL AND ACCESS PLAN FOR LOCAL BUSINESSES WILL BE REFINED AS PART OF FUTURE TSP AMENDMENT

SHORT-TERM INTERSECTION IMPLEMENTATION PROJECT  
PRINEVILLE "Y" (OR 126/US 26)  
CROOK COUNTY, OREGON

FIGURE  
Y1a



**WHPacific**  
 123 SW Columbia Street  
 Bend, OR 97702  
 541-388-4285 Fax 541-388-4229  
 www.whpacific.com

**LONG-TERM INTERSECTION IMPLEMENTATION PROJECT  
 PRINEVILLE "Y" (OR 126/US 26)  
 CROOK COUNTY, OREGON**

**FIGURE  
 Y1**

H:\proj\file\11168 - OR 126 Powell Butte Corridor Evaluation\dwgs\Final\Concepts\Civil\037213-TRANS-US26-TR00.dwg Sep 07, 2011 - 2:55pm - cbergh Layout Tab: Y2 US26

## **Appendix C Cost Estimates**

037213-HIGHWAY 126 CORRIDOR STUDY  
 INTERSECTION IMPROVEMENTS  
 5/4/2011

**PB2 (METHOD "B")**  
 Intersection: HWY 126 @ Powell Butte HWY and Bozarth Road  
 Configuration: Double Lane Roundabout

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	1,000	\$1.28	\$1,280
0320-0100000R	CLEARING AND GRUBBING	ACRE	5.20	\$8,500.00	\$44,200
0330-010500K	GENERAL EXCAVATION	CUYD	6,000	\$11.29	\$67,740
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	9,425	\$17.00	\$160,225
0640-0101000M	AGGREGATE SHOULDERS	TON	106	\$40.00	\$4,240
<b>WEARING SURFACES</b>					
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	7,051	\$94.00	\$662,794
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	566	\$600.00	\$339,600
0759-0100000F	CONCRETE CURBS	FOOT	10,195	\$20.00	\$203,900
0759-0128000J	CONCRETE WALKS	SQFT	36,165	\$8.00	\$289,320
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	1,000	\$30.00	\$30,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	5,000	\$0.30	\$1,500
0970-0104000A	LUMINAIRES, LAMPS, AND BALLASTS	LS	1	\$150,000.00	\$150,000
				<b>SUBTOTAL</b>	<b>\$1,954,799</b>
				<b>CONTINGENCY (78%)</b>	<b>\$1,524,743</b>
				<b>TOTAL</b>	<b>\$3,479,542</b>

**PB4**  
 Intersection: HWY 126 @ Powell Butte HWY and Bozarth Road  
 Configuration: Signal

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	5,000	\$1.28	\$6,400
0320-0100000R	CLEARING AND GRUBBING	ACRE	4.20	\$8,500.00	\$35,700
0330-010500K	GENERAL EXCAVATION	CUYD	2,481	\$11.29	\$28,010
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	5,024	\$17.00	\$85,408
0640-0101000M	AGGREGATE SHOULDERS	TON	50	\$40.00	\$2,000
<b>WEARING SURFACES</b>					
0730-0104000J	EMULSIFIED ASPHALT IN TACK COAT	TON	8.2	\$600.00	\$4,920
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	4,650	\$94.00	\$437,100
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	279	\$600.00	\$167,400
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	200	\$30.00	\$6,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	11,400	\$0.30	\$3,420
0990-0101000A	TRAFFIC SIGNAL INSTALLATION	LS	1.00	\$400,000.00	\$400,000
				<b>SUBTOTAL</b>	<b>\$1,176,358</b>
				<b>CONTINGENCY (70%)</b>	<b>\$823,451</b>
				<b>TOTAL</b>	<b>\$1,999,809</b>

037213-HIGHWAY 126 CORRIDOR STUDY  
 INTERSECTION IMPROVEMENTS  
 5/4/2011

W3

Intersection: OR 126 @ Williams Road

Signal

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	4,000	\$1.28	\$5,120
0320-0100000R	CLEARING AND GRUBBING	ACRE	1.00	\$8,500.00	\$8,500
0330-010500K	GENERAL EXCAVATION	CUYD	1,052	\$11.29	\$11,877

**BASES**

0640-0100000M	AGGREGATE BASE	TON	2,111	\$17.00	\$35,887
0640-0101000M	AGGREGATE SHOULDERS	TON	79	\$40.00	\$3,160

**WEARING SURFACES**

0730-0104000J	EMULSIFIED ASPHALT IN TACK COAT	TON	5.0	\$600.00	\$3,000
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	2,230	\$94.00	\$209,620
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	134	\$600.00	\$80,400

**PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS**

0940-0010400A	PERMANENT SIGNING COSTS	SQFT	200	\$30.00	\$6,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	8,885	\$0.30	\$2,666
0990-0101000A	TRAFFIC SIGNAL INSTALLATION	LS	1.00	\$400,000.00	\$400,000

**SUBTOTAL \$766,230**  
**CONTINGENCY (70%) \$536,361**  
**TOTAL \$1,302,590**

W6

Intersection: OR 126 @ Williams Road

Reroute with Signal

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	14,812	\$1.28	\$18,959
0320-0100000R	CLEARING AND GRUBBING	ACRE	11.92	\$8,500.00	\$101,320
0330-010500K	GENERAL EXCAVATION	CUYD	12,818	\$11.29	\$144,715

**BASES**

0640-0100000M	AGGREGATE BASE	TON	26,390	\$17.00	\$448,630
0640-0101000M	AGGREGATE SHOULDERS	TON	295	\$40.00	\$11,800

**WEARING SURFACES**

0730-0104000J	EMULSIFIED ASPHALT IN TACK COAT	TON	33.7	\$600.00	\$20,220
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	13,164	\$94.00	\$1,237,416
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	790	\$600.00	\$474,000

**PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS**

0940-0010400A	PERMANENT SIGNING COSTS	SQFT	400	\$30.00	\$12,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	78,231	\$0.30	\$23,469
0990-0101000A	TRAFFIC SIGNAL INSTALLATION	LS	1.00	\$400,000.00	\$400,000

**SUBTOTAL \$2,892,530**  
**CONTINGENCY (70%) \$2,024,771**  
**TOTAL \$4,917,301**

W7

Intersection: OR 126 @ Williams Road  
Reroute with double lane roundabout.

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	1,482	\$1.28	\$1,897
0320-0100000R	CLEARING AND GRUBBING	ACRE	6.63	\$8,500.00	\$56,355
0330-010500K	GENERAL EXCAVATION	CUYD	7,126	\$11.29	\$80,453
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	21,646	\$17.00	\$367,982
0640-0101000M	AGGREGATE SHOULDERS	TON	400	\$40.00	\$16,000
<b>WEARING SURFACES</b>					
0730-0104000J	EMULSIFIED ASPHALT IN TACK COAT	TON	12	\$600.00	\$7,200
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	10,239	\$94.00	\$962,466
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	614	\$600.00	\$368,400
0759-0100000F	CONCRETE CURBS	FOOT	9,764	\$20.00	\$195,280
0759-0128000J	CONCRETE WALKS	SQFT	53,639	\$12.00	\$643,668
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	400	\$30.00	\$12,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	21,120	\$0.30	\$6,336
0970-0104000A	LUMINAIRES, LAMPS, AND BALLASTS	LS	1	\$150,000.00	\$150,000

**SUBTOTAL** \$2,868,037  
**CONTINGENCY (78%)** \$2,237,068  
**TOTAL** \$5,105,105

037213-HIGHWAY 126 CORRIDOR STUDY  
 INTERSECTION IMPROVEMENTS  
 5/4/2011

M5

Intersection: OR 126 @ Millican Road  
 Configuration: Full Reroute

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	500	\$1.28	\$640
0320-0100000R	CLEARING AND GRUBBING	ACRE	3.60	\$8,500.00	\$30,600
0330-010500K	GENERAL EXCAVATION	CUYD	3,851	\$11.29	\$43,478
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	7,800	\$17.00	\$132,600
0640-0101000M	AGGREGATE SHOULDERS	TON	218	\$40.00	\$8,720
<b>WEARING SURFACES</b>					
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	5,781	\$94.00	\$543,414
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	347	\$625.00	\$216,875
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	100	\$30.00	\$3,000
<b>PAVEMENT MARKINGS</b>					
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	30,427	\$0.30	\$9,128
				<b>SUBTOTAL</b>	<b>\$988,455</b>
				<b>CONTINGENCY (65%)</b>	<b>\$642,496</b>
				<b>TOTAL</b>	<b>\$1,630,951</b>

M6

Intersection: OR 126 @ Millican Road  
 Configuration: OR 126 with 1-two lane frontage road south.

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	300	\$1.28	\$384
0320-0100000R	CLEARING AND GRUBBING	ACRE	1.70	\$8,500.00	\$14,450
0330-010500K	GENERAL EXCAVATION	CUYD	1,803	\$11.29	\$20,356
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	3,651	\$17.00	\$62,067
0640-0101000M	AGGREGATE SHOULDERS	TON	111	\$40.00	\$4,440
<b>WEARING SURFACES</b>					
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	2,731	\$94.00	\$256,714
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	164	\$600.00	\$98,400
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	200	\$30.00	\$6,000
<b>PAVEMENT MARKINGS</b>					
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	14,518	\$0.30	\$4,355
				<b>SUBTOTAL</b>	<b>\$467,166</b>
				<b>CONTINGENCY (65%)</b>	<b>\$303,658</b>
				<b>TOTAL</b>	<b>\$770,824</b>

M7

Intersection: OR 126 @ Williams Road

Configuration: OR 126 with 1-two lane frontage road south, with channelization and concrete barrier on OR 126

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
1	Channelization	LS	1.00	\$20,000.00	\$20,000
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	500	\$1.28	\$640
0320-0100000R	CLEARING AND GRUBBING	ACRE	3.60	\$8,500.00	\$30,600
0330-010500K	GENERAL EXCAVATION	CUYD	3,851	\$11.29	\$43,478
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	7,800	\$17.00	\$132,600
0640-0101000M	AGGREGATE SHOULDERS	TON	218	\$40.00	\$8,720
<b>WEARING SURFACES</b>					
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	5,781	\$94.00	\$543,414
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	347	\$600.00	\$208,200
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0820-0100000F	CONCRETE BARRIER	FT	100	\$55.00	\$5,500
0940-0010400A	PERMANENT SIGNING COSTS	SQFT		\$30.00	\$0
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	30,427	\$0.30	\$9,128

**SUBTOTAL \$1,002,280**  
**CONTINGENCY (65%) \$651,482**  
**TOTAL \$1,653,762**

037213-HIGHWAY 126 CORRIDOR STUDY  
 INTERSECTION IMPROVEMENTS  
 5/4/2011

T2 (METHOD "B")  
 Intersection: OR 126 @ Tom McCall Road  
 Configuration: Double Lane Roundabout

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	200	\$1.28	\$256
0320-0100000R	CLEARING AND GRUBBING	ACRE	6.00	\$8,500.00	\$51,000
0330-010500K	GENERAL EXCAVATION	CUYD	5,400	\$11.29	\$60,966
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	11,000	\$17.00	\$187,000
0640-0101000M	AGGREGATE SHOULDERS	TON	200	\$40.00	\$8,000
<b>WEARING SURFACES</b>					
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	6,200	\$94.00	\$582,800
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	372	\$600.00	\$223,200
0759-0100000F	CONCRETE CURBS	FOOT	8,300	\$20.00	\$166,000
0759-0128000J	CONCRETE WALKS	SQFT	43,500	\$8.00	\$348,000
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	1,000	\$30.00	\$30,000
<b>PAVEMENT MARKINGS</b>					
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	5,000	\$0.30	\$1,500
0970-0104000A	LUMINAIRES, LAMPS, AND BALLASTS	LS	1	\$150,000.00	\$150,000

**SUBTOTAL**      \$1,808,722  
**CONTINGENCY (78%)**      \$1,410,803  
**TOTAL**      \$3,219,525

T4  
 Intersection: OR 126 @ Tom McCall Road  
 Configuration: Signal

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	4,850	\$1.28	\$6,208
0320-0100000R	CLEARING AND GRUBBING	ACRE	3.40	\$8,500.00	\$28,900
0330-010500K	GENERAL EXCAVATION	CUYD	3,600	\$11.29	\$40,644
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	7,300	\$17.00	\$124,100
0640-0101000M	AGGREGATE SHOULDERS	TON	100	\$40.00	\$4,000
<b>WEARING SURFACES</b>					
0730-0104000J	EMULSIFIED ASPHALT IN TACK COAT	TON	11	\$600.00	\$6,600
0745-0202000M	LEVEL 2, 1/2 INCH DENSE HMAC	TON	6,300	\$94.00	\$592,200
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	378	\$600.00	\$226,800
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	200	\$30.00	\$6,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	27,000	\$0.30	\$8,100
0990-0101000A	TRAFFIC SIGNAL INSTALLATION	LS	1.00	\$600,000.00	\$600,000

**SUBTOTAL**      \$1,643,552  
**CONTINGENCY (70%)**      \$1,150,486  
**TOTAL**      \$2,794,038

T5

Intersection: OR 126 @ Millican Road

Configuration: Tom McCall overpass, on and off ramps both north and south. Reconstruct to future Airport connection and business park connection

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	2,000	\$1.28	\$2,560
0320-0100000R	CLEARING AND GRUBBING	ACRE	5.00	\$8,500.00	\$42,500
0330-010500K	GENERAL EXCAVATION	CUYD	160,000	\$20.00	\$3,200,000
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	11,000	\$17.00	\$187,000
0640-0101000M	AGGREGATE SHOULDERS	TON	3,000	\$40.00	\$120,000
<b>WEARING SURFACES</b>					
0730-0104000J	EMULSIFIED ASPHALT IN TACK COAT	TON	12	\$600.00	\$7,200
0745-0202000M	LEVEL 2, 1/2 INCH DENSE HMAC	TON	8,150	\$94.00	\$766,100
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	490	\$600.00	\$294,000
0810-0107000F	GUARDRAIL, TYPE 3	FT	6,000	\$45.00	\$270,000
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	200	\$30.00	\$6,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	30,000	\$0.30	\$9,000
<b>BRIDGE SUPERSTRUCTURE, SUBSTRUCTURE</b>					
1	GUARDRAIL AND END PANELS	SF	12000	\$200.00	\$2,400,000
	Drainage Facilities	LS	1	\$500,000.00	\$500,000
				<b>SUBTOTAL</b>	<b>\$4,904,360</b>
				<b>CONTINGENCY (70%)</b>	<b>\$3,433,052</b>
				<b>Additional Contingency (35%)</b>	<b>\$1,716,526</b>
				<b>TOTAL</b>	<b>\$10,053,938</b>

037213-HIGHWAY 126 CORRIDOR STUDY  
 INTERSECTION IMPROVEMENTS  
 5/4/2011

126/O'neil 3

Intersection: OR 126 @ O'neil Highway

Configuration: Signal

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
0320-010000R	CLEARING AND GRUBBING	ACRE	1.00	\$8,500.00	\$8,500
0330-010500K	GENERAL EXCAVATION WITH GUARD RAIL REMOVAL	CUYD	992	\$30.00	\$29,760
<b>BASES</b>					
0640-010000M	AGGREGATE BASE	TON	2,028	\$17.00	\$34,476
0640-0101000M	AGGREGATE SHOULDERS	TON	20	\$40.00	\$800
<b>WEARING SURFACES</b>					
0745-0202000M	LEVEL 2, 1/2 INCH DENSE HMAC	TON	1,500	\$94.00	\$141,000
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	90	\$600.00	\$54,000
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0810-0107000F	GUARDRAIL, TYPE 3	FT	765	\$50.00	\$38,250
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	200	\$30.00	\$6,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	13,000	\$0.30	\$3,900
0990-0101000A	TRAFFIC SIGNAL INSTALLATION	LS	1.00	\$400,000.00	

**SUBTOTAL**      \$316,686  
**CONTINGENCY (70%)**      \$221,680  
**TOTAL**      \$538,366

126/O'neil 4

Intersection: OR 126 @ O'neil Highway

Configuration: Reroute of O'neil Highway

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
1	STEEL GIRDER BRIDGE OVER CROOKED RIVER	LS	1	\$1,620,000.00	\$1,620,000
<b>ROADWORK</b>					
0320-010000R	CLEARING AND GRUBBING	ACRE	7.00	\$8,500.00	\$59,500
0330-010500K	GENERAL EXCAVATION	CUYD	4,915	\$11.29	\$55,490
<b>BASES</b>					
0640-010000M	AGGREGATE BASE	TON	9,475	\$17.00	\$161,075
0640-0101000M	AGGREGATE SHOULDERS	TON	150	\$40.00	\$6,000
<b>WEARING SURFACES</b>					
0745-0202000M	LEVEL 2, 1/2 INCH DENSE HMAC	TON	7,011	\$94.00	\$659,034
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	420	\$600.00	\$252,000
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	200	\$30.00	\$6,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	23,985	\$0.30	\$7,196
0990-0101000A	TRAFFIC SIGNAL INSTALLATION	LS	1.00	\$400,000.00	\$400,000

**SUBTOTAL**      \$3,226,295  
**Sewer Contingency**      \$2,000,000  
**CONTINGENCY (70%)**      \$2,258,406  
**TOTAL**      \$7,484,701

037213-HIGHWAY 126 CORRIDOR STUDY  
 INTERSECTION IMPROVEMENTS  
 5/4/2011

Y2

Intersection: OR 126 @ Prineville "Y"  
 Configuration: Double Lane Roundabout

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
<b>ROADWORK</b>					
0310-0119000F	ASPHALT PAVEMENT SAW CUTTING	FT	1,555	\$1.28	\$1,990
0320-0100000R	CLEARING AND GRUBBING	ACRE	2.72	\$8,500.00	\$23,120
0330-010500K	GENERAL EXCAVATION	CUYD	2,139	\$11.29	\$24,149
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	7,402	\$17.00	\$125,834
<b>WEARING SURFACES</b>					
0730-0104000J	EMULSIFIED ASPHALT IN TACK COAT	TON	6	\$600.00	\$3,600
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	4,550	\$94.00	\$427,700
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	218	\$600.00	\$130,800
0759-0100000F	CONCRETE CURBS	FOOT	6,985	\$20.00	\$139,700
0759-0128000J	CONCRETE WALKS	SQFT	30,000	\$12.00	\$360,000
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	500	\$30.00	\$15,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	12,000	\$0.30	\$3,600
0970-0104000A	LUMINAIRES, LAMPS, AND BALLASTS	LS	1	\$150,000.00	\$150,000

**SUBTOTAL** \$1,405,494  
**CONTINGENCY (78%)** \$1,096,285  
**TOTAL** \$2,501,779

Y3

Intersection: OR 126 @ Prineville "Y"  
 Configuration: Signal

Bid Item #	Bid Item Name	Unit	Quantity	Unit Cost	Total
0320-0100000R	CLEARING AND GRUBBING	ACRE	2.90	\$8,500.00	\$24,650
0330-010500K	GENERAL EXCAVATION	CUYD	3,112	\$11.29	\$35,134
<b>BASES</b>					
0640-0100000M	AGGREGATE BASE	TON	6,244	\$17.00	\$106,148
0640-0101000M	AGGREGATE SHOULDERS	TON	120	\$40.00	\$4,800
<b>WEARING SURFACES</b>					
0745-0202000M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	4,671	\$94.00	\$439,074
0745-0622000M	PG 64-28 ASPHALT IN HMAC	TON	280	\$600.00	\$168,000
<b>PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>					
0940-0010400A	PERMANENT SIGNING COSTS	SQFT	400	\$30.00	\$12,000
0940-0010400A	LONGITUDINAL PAVEMENT MARKINGS-PAINT	FT	21,000	\$0.30	\$6,300
0990-0101000A	TRAFFIC SIGNAL INSTALLATION	LS	1.00	\$400,000.00	\$400,000

**SUBTOTAL** \$1,196,106  
**CONTINGENCY (70%)** \$837,275  
**TOTAL** \$2,033,381