

RESOLUTION No. 2016-3250

A RESOLUTION TO AUTHORIZE THE CITY MANAGER PRO TEM TO FINALIZE AND EXECUTE A COOPERATIVE IMPROVEMENT (UTILITY) AGREEMENT (NO. 30647) WITH THE OREGON DEPARTMENT OF TRANSPORTATION FOR THE OREGON ROUTE 18: NEWBERG-DUNDEE BYPASS – PHASE 1G (SPRINGBROOK ROAD)

RECITALS:

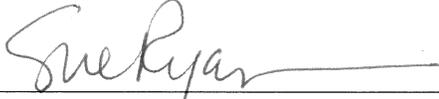
1. The Oregon Department of Transportation (ODOT) is in the process of constructing Phase 1 of the Newberg-Dundee Bypass.
2. The last construction contract is scheduled to be awarded in February 2016 with completion in 2017.
3. The City has public water and wastewater lines in Springbrook Road. As a part of the roadway construction the existing water line will need to be relocated.
4. The City's Water Master Plan indicates that this line will need to be 24" in the future. Since the water line will need to be relocated, it is reasonable to upsize the line at the same time.
5. On December 14, 2015, Oregon Department of Transportation (ODOT) submitted a Cooperative Improvement Agreement that deals with the coordination of the water line work.

THE CITY OF NEWBERG RESOLVES AS FOLLOWS:

1. The City Council does hereby authorize the City Manager Pro Tem to finalize and execute an Agreement with ODOT that sets out the responsibilities associated with design, and construction of the water line in Phase 1G of the Newberg-Dundee Bypass. The draft agreement is attached.

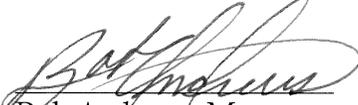
➤ **EFFECTIVE DATE** of this resolution is the day after the adoption date, which is: January 20, 2016.

ADOPTED by the City Council of the City of Newberg, Oregon, this 19th day of January, 2016.



Sue Ryan, City Recorder

ATTEST by the Mayor this 21st day of January, 2016.


Bob Andrews, Mayor

Misc. Contracts and Agreements
No. 30647

COOPERATIVE IMPROVEMENT (UTILITY) AGREEMENT
Project Name OR18: NEWBERG-DUNDEE BYPASS
(PH 1G)(SPRINGBROOK RD)

THIS AGREEMENT is made and entered into by and between the STATE OF OREGON, acting by and through its Department of Transportation, hereinafter referred to as "State;" and the **City of Newberg**, acting by and through its elected officials, hereinafter referred to as "Agency," both herein referred to individually or collectively as "Party" or "Parties."

RECITALS

1. Oregon Route 99W (OR 99W), is a part of the state highway system under the jurisdiction and control of the Oregon Transportation Commission (OTC). Springbrook Rd is a part of the city street system under the jurisdiction and control of the Agency.
2. State is constructing a phase of the Newberg Dundee Bypass (OR 18) upon a new alignment between OR 219 and OR 99W in Dundee. The eastern portion of the alignment will be routed upon Springbrook Road between OR 99W in Newberg and OR 219.
3. By the authority granted in Oregon Revised Statutes (ORS) 190.110, 366.572 and 366.576, State may enter into cooperative agreements with counties, cities and units of local governments for the performance of work on certain types of improvement projects with the allocation of costs on terms and conditions mutually agreeable to the contracting parties.
4. State, by ORS 366.220, is vested with complete jurisdiction and control over the roadways of other jurisdictions taken for state highway purposes. By the authority granted by ORS 373.020, the jurisdiction extends from curb to curb, or, if there is no regular established curb, then control extends over such portion of the right of way as may be utilized by State for highway purposes. Responsibility for and jurisdiction over all other portions of a city street remains with the Agency.
5. By the authority granted in ORS 366.425, State may accept deposits of money or an irrevocable letter of credit from any county, city, road district, person, firm, or corporation for the performance of work on any public highway within the State. When said money or a letter of credit is deposited, State shall proceed with the Project. Money so deposited shall be disbursed for the purpose for which it was deposited.
6. State is conducting a project to construct a 2 lane highway from Oregon 219, near Newberg, to Oregon 99W, southwest of Dundee, Newberg Dundee Bypass Phase 1G, that includes reconstruction of Springbrook Road. While the Newberg Dundee bypass project is under construction, State and Agency agree to use this opportunity

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to replace a City of Newberg waterline that runs under Springbrook Rd., OR 219 and OR 99W, within the project limits.

NOW THEREFORE, the premises being in general as stated in the foregoing Recitals, it is agreed by and between the Parties hereto as follows:

TERMS OF AGREEMENT

1. Under such authority, State and Agency agree that State or its contractor shall relocate and replace Agency's waterlines located on Springbrook Road, OR 219, STA "A3b" 24+82.4 to STA "A3b" 24+82.4 and STA. "B" 30+38 to STA "B" 85+72 and OR 99W, STA "LS" 720+30 and STA "N" 769+95 to STA 786+54 within the project limits herein after referred to as "Project." The location of the Project is approximately as shown on the sketch map attached hereto, marked Exhibit A, and by this reference made a part hereof.
2. The Project will be financed at an estimated cost of **\$538,000** in Agency funds, as described in Exhibit B "Final Plans", attached hereto, and by this reference made a part hereof. Agency shall pay for all costs associated with the relocation of Agency facilities on OR 219 and OR 99W. Agency shall pay for all Betterment costs that are associated with the upsizing of the waterline located on Springbrook Rd. The estimate for the total Project cost is subject to change.
3. ODOT shall be responsible for all waterline associated costs for Springbrook Rd with the exception of the betterment costs, difference between the existing 14" DI and the new 24" DI pipe.
4. Agency and State shall coordinate Change Order(s) affecting the Utility's facilities. The Agency has the right to say no to a change order that affects their facilities only. The fillable Contract Change Order, form 734-1169, is available at the following web site:
<http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/pages/hwyconstforms1.aspx>
Highway - Construction Section ODOT Construction Forms
5. The term of this Agreement shall begin on the date all required signatures are obtained and shall terminate upon completion of the Project and final payment or ten (10) calendar years following the date all required signatures are obtained, whichever is sooner.

AGENCY OBLIGATIONS

1. Agency grants State the right to enter onto Agency right of way for the performance of duties as set forth in this Agreement.
2. Agency shall upon receipt of a fully executed copy of this Agreement and upon a subsequent letter of request from State, forward to State an advance deposit or irrevocable letter of credit in the amount of \$538,000 for the Project, said amount

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being equal to the estimated total cost for the work performed by State at Agency's request under State Obligations, paragraph 2. Agency agrees to make additional deposits as needed upon request from State. Depending upon the timing of portions of the Project to which the advance deposit contributes, it may be requested by State prior to Preliminary Engineering, purchase of right of way, or approximately 4-6 weeks prior to Project bid opening.

Upon completion of the Project and receipt from State of an itemized statement of the actual total cost of State's participation for the Project, Agency shall pay any amount which, when added to Agency's advance deposit, will equal 100 percent of actual total State costs for the Project. Any portion of said advance deposit which is in excess of the State's total costs will be refunded or released to Agency.

3. Agency acknowledges that State's Consultant, Murray, Smith & Associates, Inc. has completed the waterline design accordance with all applicable Agency standards under Price Agreement 26530, Work Order Contract 6, Amendment 2.
4. All Agency waterline and appurtenances installed by State or its contractor will require inspections by Agency. Agency personnel will work directly with State personnel. Agency shall not contact or communicate with State's contractor without State's consent. Agency will provide all necessary documentation to State. State shall present to Agency any Contract Change Order for review and written approval by Agency.
5. Agency acknowledges and agrees that State, the Oregon Secretary of State's Office, the federal government, and their duly authorized representatives shall have access to the books, documents, papers, and records of Agency which are directly pertinent to the specific Agreement for the purpose of making audit, examination, excerpts, and transcripts for a period of six (6) years after final payment (or completion of Project -- if applicable.) Copies of applicable records shall be made available upon request. Payment for costs of copies is reimbursable by State.
6. Agency, if a City, by execution of Agreement, gives its consent as required by ORS 373.030(2) and ORS 105.760 to any and all changes of grade within the Agency limits, and gives its consent as required by ORS 373.050(1) to any and all closure of streets intersecting the highway, if any there be in connection with or arising out of the Project covered by the Agreement.
7. Agency's Project Manager for this Project is Kaaren Hofmann, City Engineer; PO Box 970 Newberg OR 97132; 503-537-1223; Kaaren.Hofmann@newbergoregon.gov, or assigned designee upon individual's absence. Agency shall notify the other Party in writing of any contact information changes during the term of this Agreement.

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STATE OBLIGATIONS

1. State, or its consultant, is responsible for all necessary field surveys, environmental studies, traffic investigations, preliminary engineering and design work required to produce and provide final plans, specifications and cost estimates for the Project; identify and obtain all required permits; perform all construction engineering, including all required materials testing and quality documentation; prepare all bid and contract documents; advertise for construction bid proposals; award all contracts; pay all contractor costs, provide technical inspection, project management services and other necessary functions for sole administration of the construction contract entered into for this Project.
2. State shall, upon execution of the agreement, forward to Agency a letter of request for an advance deposit or irrevocable letter of credit in the amount of \$538,000.00 for payment of non-reimbursable waterline facilities. Requests for additional deposits shall be accompanied by an itemized statement of expenditures and an estimated cost to complete Project.
3. State is responsible for construction costs of the reimbursable portions of the Agency waterline as shown in the bid Items and quantities in Exhibit "B".
4. Upon completion of the Project, State shall either send to Agency a bill for the amount which, when added to Agency's advance deposit, will equal 100 percent of the total state costs for Project or State will refund to Agency any portion of said advance deposit which is in excess of the total State costs for Project.
5. State shall perform the service under this Agreement as an independent contractor and shall be exclusively responsible for all costs and expenses related to its employment of individuals to perform the work under this Agreement including, but not limited to, retirement contributions, workers' compensation, unemployment taxes, and state and federal income tax withholdings.
6. All employers, including State, that employ subject workers who work under this Agreement in the State of Oregon shall comply with ORS 656.017 and provide the required Workers' Compensation coverage unless such employers are exempt under ORS 656.126. Employers Liability insurance with coverage limits of not less than \$500,000 must be included. State shall ensure that each of its contractors complies with these requirements.
7. State shall comply with all federal, state, and local laws, regulations, executive orders and ordinances applicable to the work under this Agreement, including, without limitation, the provisions of ORS 279C.505, 279C.515, 279C.520, 279C.530 and 279B.270 incorporated herein by reference and made a part hereof. Without limiting the generality of the foregoing, State expressly agrees to comply with (i) Title VI of Civil Rights Act of 1964; (ii) Title V and Section 504 of the Rehabilitation Act of 1973; (iii) the Americans with Disabilities Act of 1990 and ORS 659A.142; (iv) all regulations and administrative rules established pursuant to the foregoing laws; and

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(v) all other applicable requirements of federal and state civil rights and rehabilitation statutes, rules and regulations.

8. State's Project Manager for this Project is Heather Howe, State Utility Liaison, ODOT – Technical Services, 4040 Fairview Ind. Drive SE, MS#2 Salem OR 97302, 503-986-3658, Heather.C.Howe@odot.state.or.us, or assigned designee upon individual's absence. State shall notify the other Party in writing of any contact information changes during the term of this Agreement.

GENERAL PROVISIONS

1. This Agreement may be terminated by either Party upon thirty (30) days notice, in writing and delivered by certified mail or in person.
2. Either Party may terminate this Agreement effective upon delivery of written notice to the other Party, or at such later date as may be established by that Party, under any of the following conditions:
 - a. If the other Party fails to provide the services called for by this Agreement within the time specified herein or any extension thereof.
 - b. If the other Party fails to perform any of the other provisions of this Agreement, or so fails to pursue the work as to endanger performance of this Agreement in accordance with its terms, and after receipt of written notice from the other Party fails to correct such failures within ten (10) days or such longer period as the other Party may authorize.
 - c. If either Party fails to receive funding, appropriations, limitations or other expenditure authority sufficient to allow that Party, in the exercise of its reasonable administrative discretion, to continue to advance this Project or the terms of this Agreement.
 - d. If federal or state laws, regulations or guidelines are modified or interpreted in such a way that either the work under this Agreement is prohibited or Agency is prohibited from paying for such work from the planned funding source.
3. Any termination of this Agreement shall not prejudice any rights or obligations accrued to the Parties prior to termination.
4. If any third party makes any claim or brings any action, suit or proceeding alleging a tort as now or hereafter defined in ORS 30.260 ("Third Party Claim") against State or Agency with respect to which the other Party may have liability, the notified Party must promptly notify the other Party in writing of the Third Party Claim and deliver to the other Party a copy of the claim, process, and all legal pleadings with respect to the Third Party Claim. Each Party is entitled to participate in the defense of a Third Party Claim, and to defend a Third Party Claim with counsel of its own choosing. Receipt by a Party of the notice and copies required in this paragraph and meaningful opportunity for the Party to participate in the investigation, defense and

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settlement of the Third Party Claim with counsel of its own choosing are conditions precedent to that Party's liability with respect to the Third Party Claim.

5. With respect to a Third Party Claim for which State is jointly liable with Agency (or would be if joined in the Third Party Claim), State shall contribute to the amount of expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred and paid or payable by Agency in such proportion as is appropriate to reflect the relative fault of State on the one hand and of Agency on the other hand in connection with the events which resulted in such expenses, judgments, fines or settlement amounts, as well as any other relevant equitable considerations. The relative fault of State on the one hand and of Agency on the other hand shall be determined by reference to, among other things, the Parties' relative intent, knowledge, access to information and opportunity to correct or prevent the circumstances resulting in such expenses, judgments, fines or settlement amounts. State's contribution amount in any instance is capped to the same extent it would have been capped under Oregon law, including the Oregon Tort Claims Act, ORS 30.260 to 30.300, if State had sole liability in the proceeding.
6. With respect to a Third Party Claim for which Agency is jointly liable with State (or would be if joined in the Third Party Claim), Agency shall contribute to the amount of expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred and paid or payable by State in such proportion as is appropriate to reflect the relative fault of Agency on the one hand and of State on the other hand in connection with the events which resulted in such expenses, judgments, fines or settlement amounts, as well as any other relevant equitable considerations. The relative fault of Agency on the one hand and of State on the other hand shall be determined by reference to, among other things, the Parties' relative intent, knowledge, access to information and opportunity to correct or prevent the circumstances resulting in such expenses, judgments, fines or settlement amounts. Agency's contribution amount in any instance is capped to the same extent it would have been capped under Oregon law, including the Oregon Tort Claims Act, ORS 30.260 to 30.300, if it had sole liability in the proceeding.
7. The Parties shall attempt in good faith to resolve any dispute arising out of this Agreement. In addition, the Parties may agree to utilize a jointly selected mediator or arbitrator (for non-binding arbitration) to resolve the dispute short of litigation.
8. This Agreement may be executed in several counterparts (facsimile or otherwise) all of which when taken together shall constitute one agreement binding on all Parties, notwithstanding that all Parties are not signatories to the same counterpart. Each copy of this Agreement so executed shall constitute an original.
9. This Agreement and attached exhibits constitute the entire agreement between the Parties on the subject matter hereof. There are no understandings, agreements, or representations, oral or written, not specified herein regarding this Agreement. No waiver, consent, modification or change of terms of this Agreement shall bind either Party unless in writing and signed by both Parties and all necessary approvals have

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been obtained. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. The failure of State to enforce any provision of this Agreement shall not constitute a waiver by State of that or any other provision.

THE PARTIES, by execution of this Agreement, hereby acknowledge that their signing representatives have read this Agreement, understand it, and agree to be bound by its terms and conditions.

City of Newberg, by and through its elected officials, by authority of Council Resolution No. _____

By _____

Title _____

Date _____

APPROVED AS TO LEGAL SUFFICIENCY

By _____
Counsel

Date _____

Agency Contact:

Kaaren Hofmann, City Engineer
PO Box 970
Newberg, OR 97132
503-537-1223
Kaaren.Hofmann@newbergoregon.gov

State Contact:

Heather Howe, State Utility Liaison
ODOT – Technical Services
4040 Fairview Ind. Drive SE MS#2
Salem OR 97302
503-986-3658
Heather.C.Howe@odot.state.or.us

STATE OF OREGON, by and through its Department of Transportation

By _____
Director, Matthew Garrett

Date _____

APPROVAL RECOMMENDED

By _____
Joseph Gray, State Right of Way
Manager

Date _____

APPROVAL RECOMMENDED

By _____
James T. Potter, Region 2 Area
Manager

Date _____

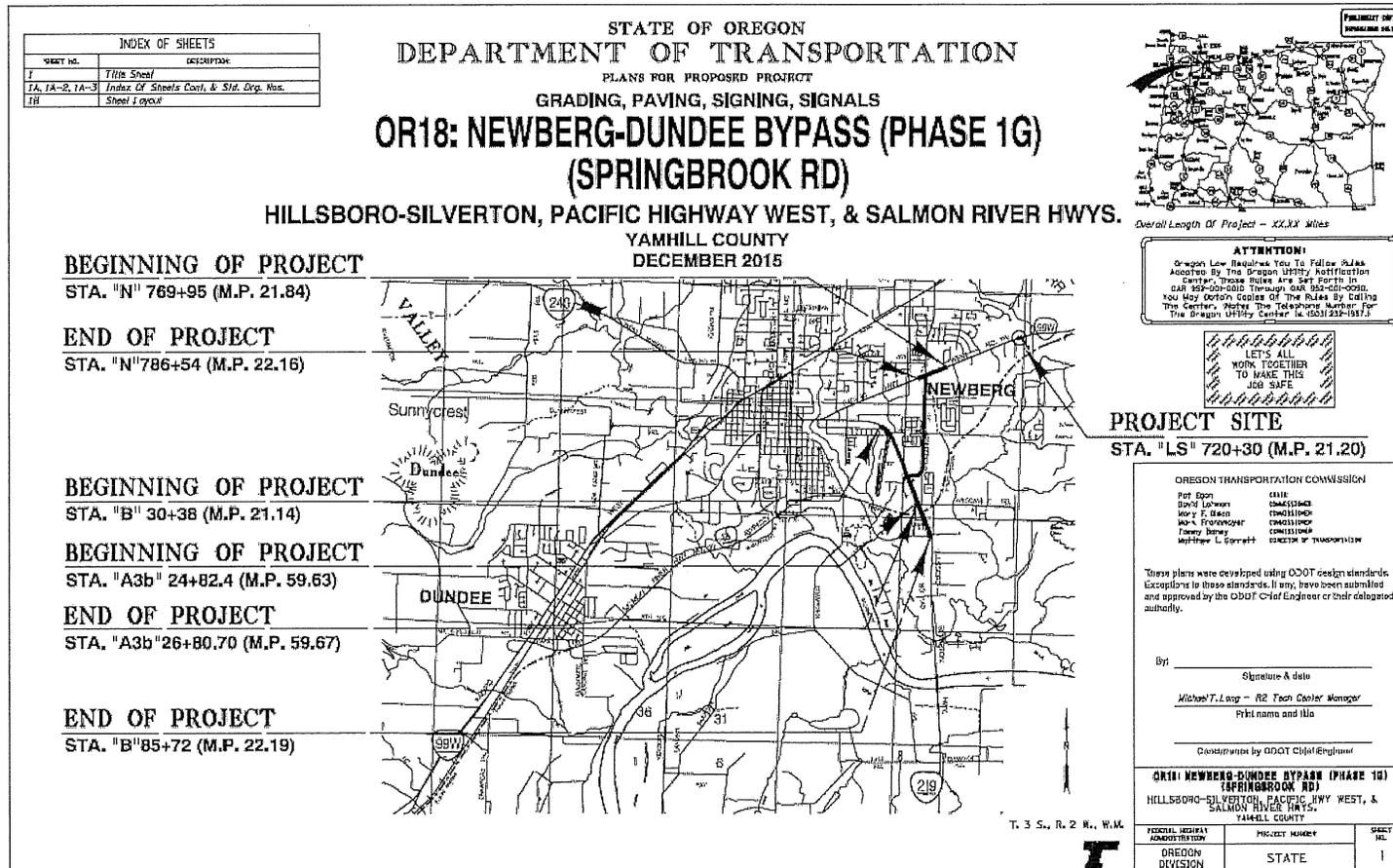
APPROVED AS TO LEGAL SUFFICIENCY

By _____
Assistant Attorney General (If Over
\$150,000)

Date _____

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EXHIBIT A – Project Location Map



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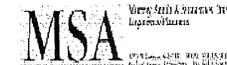
EXHIBIT B

OR 18: Newberg - Dundee Bypass, Phase 1 - Waterline Relocation
Key # 16901
Final Plans Estimate

Page 1

OR 18: NEWBERG - DUNDEE BYPASS, PHASE 1 - WATERLINE RELOCATION										CITY OF NEWBERG COSTS			
7.01 NO.	ITEM	CODE	UNIT	QUANTITY	UNIT COST	ENGINEER'S ESTIMATE	QUANTITY	UNIT COST	ENGINEER'S ESTIMATE	Comments/Remarks			
DRAINAGE AND SEWERS													
	TRENCH FOUNDATION	0405-0106000K	CUYD	187	\$56.00	\$10,082.00	60	\$55.00	\$3,300.00				
	FELLING ABANDONED STRUCTURES	0400-0117000E	EACH	1	\$7,000.00	\$7,000.00	0	\$7,000.00	\$0.00				
						Subtotal			Subtotal	\$3,740.00			
WATER SUPPLY SYSTEMS													
	6 INCH POTABLE WATER PIPE, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND CLASS B BACKFILL	1140-0145000F	FOOT	95	\$90.00	\$8,550.00	0	\$90.00	\$0.00				
	8 INCH POTABLE WATER PIPE, FITTINGS AND COUPLINGS WITH CLASS B BACKFILL	1140-0100000F	FOOT	373	\$180.00	\$67,140.00	900	\$100.00	\$90,000.00	See Note 2			
	10 INCH POTABLE WATER PIPE, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND CLASS B BACKFILL	1140-0145000F	FOOT	68	\$120.00	\$8,160.00	64	\$120.00	\$7,680.00				
	12 INCH POTABLE WATER PIPE, FITTINGS AND COUPLINGS WITH CLASS B BACKFILL	1140-0100000F	FOOT	110	\$35.00	\$3,850.00	113	\$35.00	\$3,955.00	See Note 0			
	12 INCH POTABLE WATER PIPE, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND CLASS B BACKFILL	1140-0145000F	FOOT	130	\$150.00	\$19,500.00	0	\$150.00	\$0.00				
	24 INCH POTABLE WATER PIPE, FITTINGS AND COUPLINGS WITH CLASS B BACKFILL	1140-0100000F	FOOT	593	\$225.00	\$133,425.00	593	\$225.00	\$133,425.00	24" vs 12" 14" pipe. See Note 1.			
	24 INCH POTABLE WATER PIPE, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND CLASS B BACKFILL	1140-0145000F	FOOT	2,273	\$250.00	\$568,250.00	2,332	\$250.00	\$583,000.00	24" vs 12" 14" pipe. See Note 1.			
	EXTRA TRENCH EXCAVATION WITH CLASS B BACKFILL	1140-0160000K	CUYD	187	\$25.00	\$4,675.00	65	\$25.00	\$1,625.00	Assumes 0.5 ft extra excavation			
	DUCTILE IRON PIPE TEES, 24 INCH	1140-	EACH	0	\$7,500.00	\$0.00	0	\$7,500.00	\$0.00				
	DUCTILE IRON PIPE TEES, 24 X 8 INCH	1140-	EACH	1	\$6,800.00	\$6,800.00	1	\$6,800.00	\$6,800.00	24" Tee vs 12" Tee			
	DUCTILE IRON PIPE TEES, 24 X 6 INCH	1140-	EACH	1	\$6,500.00	\$6,500.00	1	\$6,500.00	\$6,500.00	24" Tee vs 12" Tee			
	DUCTILE IRON PIPE TEES, 8 INCH	1140-	EACH	2	\$800.00	\$1,600.00	2	\$800.00	\$1,600.00				
	DUCTILE IRON PIPE CROSS, 24 X 12 INCH	1140-	EACH	1	\$3,800.00	\$3,800.00	1	\$4,000.00	\$4,000.00	24" Cross vs 12" Cross			
	DUCTILE IRON PIPE BEND, 24 INCH	1140-	EACH	4	\$2,200.00	\$8,800.00	2	\$1,600.00	\$3,200.00	24" Bend vs 12" or 14" Bend			
	DUCTILE IRON PIPE BEND, 12 INCH	1140-	EACH	2	\$500.00	\$1,000.00	0	\$500.00	\$0.00				
	DUCTILE IRON PIPE BEND, 8 INCH	1140-	EACH	3	\$400.00	\$1,200.00	0	\$400.00	\$0.00				
	DUCTILE IRON PIPE COUPLING, 24 INCH	1140-	EACH	1	\$1,500.00	\$1,500.00	0	\$1,500.00	\$0.00				
	DUCTILE IRON PIPE COUPLING, 12 INCH	1140-	EACH	1	\$1,000.00	\$1,000.00	0	\$1,000.00	\$0.00				
	DUCTILE IRON PIPE COUPLING, 12 INCH	1140-	EACH	2	\$950.00	\$1,900.00	0	\$950.00	\$0.00				
	DUCTILE IRON PIPE COUPLING, 8 INCH	1140-	EACH	4	\$500.00	\$2,000.00	2	\$500.00	\$1,000.00				
	DUCTILE IRON PIPE REDUCER, 24 X 14 INCH	1140-	EACH	1	\$1,700.00	\$1,700.00	1	\$1,700.00	\$1,700.00				
	DUCTILE IRON PIPE REDUCER, 24 X 12 INCH	1140-	EACH	1	\$1,500.00	\$1,500.00	1	\$1,500.00	\$1,500.00				
	BLOWOFF ASSEMBLY, 2 INCH	1140-0160000E	EACH	0	\$2,500.00	\$0.00	1	\$2,500.00	\$2,500.00				
	BLOWOFF ASSEMBLY, 6 INCH	1140-0160000E	EACH	0	\$6,300.00	\$0.00	0	\$6,300.00	\$0.00				
	8 INCH CONNECTION TO 8 INCH EXISTING MAIN	1140-0300000E	EACH	2	\$2,000.00	\$4,000.00	2	\$2,000.00	\$4,000.00				
	10 INCH CONNECTION TO 10 INCH EXISTING MAIN	1140-0300000E	EACH	2	\$2,500.00	\$5,000.00	2	\$2,500.00	\$5,000.00				
	24 INCH CONNECTION TO 8 INCH EXISTING MAIN	1140-	EACH	0	\$3,000.00	\$0.00	0	\$3,000.00	\$0.00				
	24 INCH CONNECTION TO 10 INCH EXISTING MAIN	1140-	EACH	0	\$3,200.00	\$0.00	0	\$3,200.00	\$0.00				
	24 INCH CONNECTION TO 14 INCH EXISTING MAIN	1140-	EACH	1	\$3,800.00	\$3,800.00	0	\$3,800.00	\$0.00				
	24 INCH CONNECTION TO 24 INCH EXISTING MAIN	1140-	EACH	1	\$4,500.00	\$4,500.00	0	\$4,500.00	\$0.00				
	TEMPORARY 24 INCH CROSS CONNECTION TO 14 INCH EXISTING MAIN	1140-	EACH	4	\$10,000.00	\$40,000.00	0	\$10,000.00	\$0.00				
	6 INCH GATE VALVE	1150-0100000E	EACH	0	\$1,000.00	\$0.00	0	\$1,000.00	\$0.00				
	8 INCH GATE VALVE	1150-0104000E	EACH	0	\$2,500.00	\$0.00	1	\$2,500.00	\$2,500.00				
	10 INCH GATE VALVE	1150-	EACH	1	\$3,000.00	\$3,000.00	1	\$3,000.00	\$3,000.00				
	12 INCH GATE VALVE	1150-0106000E	EACH	0	\$5,000.00	\$0.00	0	\$5,000.00	\$0.00				
	24 INCH BUTTERFLY VALVE	1150-	EACH	0	\$13,000.00	\$0.00	0	\$13,000.00	\$0.00				
	24 INCH BACKFLOW PREVENTION ASSEMBLY	1150-0400000E	EACH	1	\$2,500.00	\$2,500.00	0	\$2,500.00	\$0.00	24" BFW vs 12" or 14" Valve. See Note 1.			
	12 INCH COMBINATION AIR RELEASE / AIR VACUUM VALVE ASSEMBLY	1150-0600000E	EACH	1	\$7,500.00	\$7,500.00	0	\$7,500.00	\$0.00				

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OR 18: Newberg - Dundee Bypass, Phase 1 - Waterline Relocation
Key # 16901

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Final Plans Estimate

ITEM NO.	ITEM	CODE	UNIT	QUANTITY	UNIT COST	ENGINEER'S ESTIMATE	QUANTITY	UNIT COST	ENGINEER'S ESTIMATE	Comments/Remarks
1	1/2 INCH COMBINATION AIR RELEASE / AIR VACUUM VALVE ASSEMBLY	1158-0600000E	EACH	1	\$5,000.00	\$5,000.00	0	\$5,000.00	\$0.00	
6	6 INCH TAPPING SLEEVE AND 6 INCH VALVE ASSEMBLY	1158-0700000E	EACH	1	\$3,500.00	\$3,500.00	0	\$3,500.00	\$0.00	
10	10 INCH TAPPING SLEEVE AND 10 INCH VALVE ASSEMBLY	1158-0700000E	EACH	1	\$4,500.00	\$4,500.00	0	\$4,500.00	\$0.00	
	HYDRANT ASSEMBLIES	1168-0100000E	EACH	4	\$3,500.00	\$14,000.00	0	\$3,500.00	\$0.00	
	RECONNECTING EXISTING HYDRANTS	1168-0103000E	EACH	2	\$1,500.00	\$3,000.00	0	\$1,500.00	\$0.00	
2	2 1/4 INCH WATER SERVICE CONNECTIONS	1178-0100000E	EACH	7	\$1,000.00	\$7,000.00	0	\$1,000.00	\$0.00	
1	1 INCH WATER SERVICE CONNECTIONS	1178-0101000E	EACH	1	\$1,250.00	\$1,250.00	0	\$1,250.00	\$0.00	
1	1 1/2 INCH WATER SERVICE CONNECTIONS	1178-0102000E	EACH	1	\$1,500.00	\$1,500.00	0	\$1,500.00	\$0.00	
1	12 INCH WATER SERVICE CONNECTIONS	1178-0103000E	EACH	1	\$3,000.00	\$3,000.00	0	\$3,000.00	\$0.00	
					Subtotal	\$1,201,355.00		Subtotal	\$429,130.00	
SUBTOTAL FOR CONSTRUCTION W/O MOBILIZATION, ENGINEERING, CONTINGENCIES OR ANTICIPATED ITEMS						\$1,211,640.00			\$429,130.00	
	MOBILIZATION (10%)	0218-0100000A	LS	1	\$121,164.00	\$121,164.00	1	\$42,913.00	\$42,913.00	
	CONSTRUCTION ENGINEERING (10%)			1	\$193,209.40	\$193,209.40	1	\$70,264.00	\$70,264.00	
						\$254,844.40			\$90,177.00	
TOTAL FOR CONSTRUCTION						\$1,466,084.40			\$519,247.00	
	CONTINGENCIES (3.0%)			1	\$43,982.53	\$43,982.53	1	\$18,173.66	\$18,173.66	
TOTAL FOR CONSTRUCTION W/ CONTINGENCIES (ROUNDED)						\$1,510,066.93			\$537,420.66	

- Notes:
- 1) 24" DI reimbursement amount is limited to the cost of replacement in-kind (@14" DI or 12" DI), sheets W-3 through W-9. Reimbursement to include material costs and installation (25% minimum).
 - 2) 8" waterline work on Hwy 219 (Sheet W-11): non-reimbursable
 - 3) 10" waterline work on OR 99W (Sheet W-10): non-reimbursable



