



Contract Documents

2016 PAVEMENT PRESERVATION PROJECT

May 6, 2016

BID OPENING: May 25, 2016, 2:00 PM

City of Troutdale
219 E Historic Columbia River Highway
Troutdale, OR 97060

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CITY OF TROUTDALE, OREGON**

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ADVERTISEMENT FOR BIDS

NOTICE TO BIDDERS: Sealed bids for construction of the 2016 Pavement Preservation Project, addressed to the City of Troutdale, 219 E. Historic Columbia River Highway, Troutdale, OR 97060-2099, telephone: (503) 665-5175, will be received by the City Recorder, Sarah Skroch, until 2:00 p.m. local time on the 25 day of May, 2016. Any bids received after the specified time will not be considered.

BID OPENING: The bids will be publicly opened and read aloud at 2:00 p.m. local time on the 25 day of May, 2016, in the Council Chambers of City Hall located at 219 E. Historic Columbia River Highway, Troutdale, OR 97060-2099.

WORK TO BE DONE: The work to be done consists of two phases of Pavement Preservation treatments: Crack sealing and Slurry Sealing. The crack sealing phase consists of asphaltic crack prep work followed by application of approved crack sealing compound on identified sections of City of Troutdale streets. This phase of work is consists of approximately 35,000 pounds of material to be placed on City of Troutdale streets. Crack sealing work shall include crack cleaning and preparation, traffic control, applying crack seal material, and other incidental work required to crack seal the designated project streets in order of priority provided by the City. Crack sealing phase shall have a 30 calendar day performance time and must be completed not later than August 15th, 2016. The slurry seal phase consists of asphaltic pavement surface preparation and application of Type II Slurry Seal on approximately 107,000 square yards of City of Troutdale streets. The slurry sealing phase shall have a 21 calendar day performance time and must be completed not later than September 9, 2016.

PREVAILING WAGE: This is a contract for a public work subject to ORS 279C.800 to 279C.870.

PRE-QUALIFICATION: Prequalification is not required.

PRE-BID INQUIRIES: Questions and requests for clarification related to this Work shall be directed to the project engineer, John J. Bushard, PE, 342 SW 4th Street, Troutdale, OR 97060, (503) 674-7240, (503) 492-3502, john.bushard@troutdaleoregon.gov.

PLAN SOURCE: Solicitation Documents, including Plans and Specifications, for the Work may be reviewed in the office of the designated Plan Source, City of Troutdale Public Works, 342 SW 4th Street, Troutdale, OR 97060, (503) 674-3300, and at the following Plan Centers:

DAILY JOURNAL PLAN CENTER
www.djcoregon.com
503.274.0624

ARC DOCUMENT SOLUTIONS
www.e-arc.com
503.227.3424

CONTRACTOR PLAN CENTER, INC.
www.contractorplancenter.com
5468 SE International Way
Milwaukie, OR 97222
503.650.0148

CENTRAL OREGON BUILDER'S EXCHANGE
www.plansonfile.com
1902 NE 4th Street
Bend, OR 97701
541.389.0123

SW WASHINGTON CONTRACTORS
www.swca.org
7017 NE Hwy 99, #214
Vancouver, WA 98665
360.694.7922

SALEM CONTRACTORS EXCHANGE
www.sceonline.org
2256 Judson Street SE
Salem, OR 97302
503.362.7957

PLANCENTER.COM (Seattle DJC)
www.plancenter.com
1.800.249.9580

Builders Exchange of Washington, Inc.
www.bxwa.com
2607 Wetmore Avenue
Everett, WA 98201
425.258.1303

BIDDING DOCUMENTS: Bidding Documents may be obtained from the Plan Source upon payment of \$10.00 for each set of documents. This amount is not refundable, and return of the documents is not required.

Advertisement Dates (text in this box for reference only, not for publication)

Daily Journal of Commerce: 5/6, 5/11, 5/16

Gresham Outlook: 5/10, 5/13, 5/17



Bidding Documents

Instructions to Bidders

- Work To Be Done:** These instructions are for the 2016 Pavement Preservation Project, which consists of two phases of Pavement Preservation treatments: Crack Sealing and Slurry Sealing. The crack sealing phase consists of asphaltic crack prep work followed by application of approved crack sealing compound on identified sections of City of Troutdale streets. This phase of work is consists of approximately 35,000 pounds of material to be placed on City of Troutdale streets. Crack sealing work shall include crack cleaning and preparation, traffic control, applying crack seal material, and other incidental work required to crack seal the designated project streets in order of priority provided by the City. Crack sealing phase shall have a 30 calendar day performance time and must be completed not later than August 15th, 2016. The slurry seal phase consists of asphaltic pavement surface preparation and application of Type II Slurry Seal on approximately 107,000 square yards of City of Troutdale streets. The slurry sealing phase shall have a 21 calendar day performance time and must be completed not later than September 9, 2016.
- Public Work:** This is a contract for a public work subject to ORS 279C.800 to 279C.870. No bid will be received or considered by the City unless the bid contains a statement by the bidder as a part of the bid that he/she will comply with the provisions of ORS 279C.840.
- Date and Time to Receive Bids:** Sealed bids will be received by Sarah Skroch, City Recorder, until 2:00 p.m. on the 25th day of May, 2016. Any bids received after the specified time will not be considered.
- Prequalification:** *prequalification is not required.*
- Plan Source:** Specifications for the work may be reviewed in the office of the designated Plan Source, City of Troutdale Public Works, 342 SW 4th Street, Troutdale, OR 97060, (503) 674-3300, and at the following Plan Centers:

DAILY JOURNAL PLAN CENTER
www.djcoregon.com
503.274.0624

CONTRACTOR PLAN CENTER, INC.
www.contractorplancenter.com
5468 SE International Way
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SW WASHINGTON CONTRACTORS
www.swca.org
7017 NE Hwy 99, #214
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PLANCENTER.COM (Seattle DJC)
www.plancenter.com
1.800.249.9580

ARC DOCUMENT SOLUTIONS
www.e-arc.com
503.227.3424

CENTRAL OREGON BUILDER'S EXCHANGE
www.plansonfile.com
1902 NE 4th Street
Bend, OR 97701
541.389.0123

SALEM CONTRACTORS EXCHANGE
www.sceonline.org
2256 Judson Street SE
Salem, OR 97302
503.362.7957

6. **Bid Opening:** Bids will be publicly opened and read at 2:00 p.m. on the 25th day of May, 2016, in the Council Chambers of City Hall, located at 219 E. Historic Columbia River Highway, Troutdale, OR 97060.
7. **Resident Bidder:** Each bid must identify whether the bidder is a resident bidder.
8. **Registration and Licensing:** No bid shall be received or considered unless the bidder is registered with the Construction Contractors Board. In addition, the successful bidder will be required to obtain a City of Troutdale or Metro Business License. Licensing under ORS 468A.720 is required.
9. **Rejection of Bids:** The City may reject any bid not in compliance with all prescribed public bidding procedures and requirements and may reject for good cause any or all bids upon a finding by the City that it is in the public interest to do so.
10. **Bid Security:** Each bid must be accompanied by bid security in an amount of five percent (5%) of the bid price and in the form of a surety bond, irrevocable letter of credit issued by an insured institution as defined in ORS 706.008, cashiers' check, or certified check.
11. **Subcontractor Disclosure:**
 - A. Each bidder shall submit to the City with his/her bid a disclosure of any first-tier subcontractor that will be furnishing labor or will be furnishing labor and materials in connection with the public improvement and whose contract value is equal to or greater than:
 - i. Five percent of the total project bid or \$15,000, whichever is larger; or
 - ii. \$350,000, regardless of the percentage of the total project bid.
 - B. The disclosure of first-tier subcontractors shall include:
 - i. The name of each subcontractor;
 - ii. The category of work that each subcontractor will be performing; and
 - iii. The dollar value of each subcontract.
12. **Prebid Conference:** *A prebid conference will not be held*
13. **Bid Preparation and Submittal:** Bids must be submitted on the Bid Form provided or on a photocopy thereof. Bids are to be enclosed in an opaque sealed envelope with the project name, name and address of the bidder, and date and time of the bid opening clearly marked on the outside of the envelope. All bids will remain subject to acceptance for 30 days after the bid opening.
14. **Bid Evaluation:** Discrepancies between the quantity multiplied by the unit price and the extended total amount will be resolved in favor of the quantity multiplied by the unit price. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.
15. **Basis of Award:** The contract, if awarded, will be awarded to the lowest responsible bidder.

- 16. Payment and Performance Bonds; Public Works Bond:** The successful bidder will be required to submit a Payment Bond and a Performance Bond, each in the amount of the total bid. A cashier's check or certified check may be submitted in lieu of the Performance Bond but not for the Payment Bond. Additionally, the Contractor and every subcontractor must have a Public Works Bond filed with the Construction Contractors Board before starting work on this project, unless exempt.
- 17. Bureau of Labor and Industries Fee:** The public works contract fee required under ORS 279C.825 will be paid by the City.
- 18. Acceptance:** The successful bidder will be required to submit a Payment Bond, Performance Bond, Certificate(s) of Insurance, and a signed Agreement within ten calendar days from the date of the Notice of Award.



BID FORM

2016 Pavement Preservation Project

BID TO: Sarah Skroch
City Recorder
City of Troutdale
219 E. Historic Columbia River Highway
Troutdale, OR 97060

BID FROM:

Bidder _____

OCCB # _____ Expires _____

Address _____

Telephone _____

Fax _____

BIDDER'S DECLARATIONS

The Bidder, by signature and submission of this document, makes the following declarations:

1. Bidder has reviewed and carefully examined the Solicitation Documents in their entirety and understands that it is his/her responsibility, and in his/her material interest, to examine the project site prior to submission of his/her bid.
2. Bidder has available the appropriate financial, material, equipment, facility and personnel/resources and expertise to meet all contractual requirements.
3. Bidder is registered to perform construction work of the nature described in the Contract Documents by the Oregon Construction Contractor's Board.
4. Bidder has become familiar with all the conditions related to the proposed work, including the current availability of labor, materials, and equipment and considered the impact of seasonal climate on his/her ability to perform the work.
5. This bid is based on the materials and products specified in the Contract Documents only. No substitutions of materials or products have been considered in determining the prices set forth in this bid. Bidder is fully prepared to execute the work using the materials specified.

6. Bidder will comply with the provisions of ORS 279C.840 pertaining to the prevailing rate of wage.
7. The City has attempted to supply all known plan holders with copies of any and all Addenda. However, Bidder agrees that it is the Bidder's responsibility to determine whether any Addenda have been issued and to request copies of such Addenda from the Plan Source indicated in the Advertisement For Bids prior to submission of a bid. Bidder further acknowledges that he/she has received and carefully examined the following addenda and acknowledges that they are part of the Contract Documents:

	Date Rec'd	Initial
Addendum No. _____	_____	_____
Addendum No. _____	_____	_____
Addendum No. _____	_____	_____

8. Bidder will not attempt to withdraw his/her bid during the period of thirty (30) days following the bid opening.
9. If awarded the contract, the Bidder will sign the Agreement and furnish the Payment Bond and Performance Bond and the proof of insurance within ten (10) calendar days of the date of the Notice of Award.
10. If Bidder enters into the Agreement, Bidder will plan the work and diligently prosecute such work so that all work described in the Contract Documents is completed within the performance time designated by the Agreement, to be further specified in the Notice to Proceed. Bidder is aware of the liquidated damages stipulated in the Agreement and in the specifications for failure to complete the work on time and agrees that this is a fair measurement of damage to the City for delay of completion of the work.
11. Bidder (is) (is not) [circle applicable one] a resident bidder as defined by ORS 279A.120.
12. Bidder has not, directly or indirectly, entered into any formal or informal agreement, participated in any collusion, or otherwise acted in any way to undermine, circumvent, or restrict free and fair competitive bidding in connection with the project that is the subject of this bid.
13. If Bidder enters into the Agreement, Bidder will supply all of the equipment, tools, materials, personnel, plant, transportation, and services required to prosecute the work, in its entirety, according to provisions of the Contract Documents for the prices indicated in the following bid schedule. Bidder understands that the quantities set forth in the bid schedule are estimates meant solely for the purpose of ascertaining a low bidder and that actual quantities required by the work may vary more or less.

BID SCHEDULE

Type or hand print legibly

Item No.	Description	Estimated Quantity	Unit of Measure	Unit Price	Total Price
1	Clearing and Grubbing (Tree and shrub trimming)	1	LS		
2	Crack Sealing	35,000	LBS		
3	Mobilization	1	LS		
4	Temporary Protection & Direction of Traffic	1	LS		
5	Curb and Gutter Replacement	53	LF		
6	4" Asphalt Concrete Pavement Repair	285	SY		
7	Level 2, HMAC	67	TON		
8	Slurry Seal	107,152	SY		
9	Pavement Bar Removal	1,050	SF		
10	Pavement Legend Removal	42	EA		
TOTAL OF BID				\$	

BIDDER INFORMATION AND SIGNATURE

Bidder submits this bid as a: [circle applicable one]

(Corporation) (Partnership) (Individual) (Joint Venture)

If Partnership or Joint Venture, list all parties to the partnership or joint venture.

Name	Address
_____	_____
_____	_____
_____	_____

I, _____ (printed name) hereby declare, under penalty of perjury, that I am the _____ (title) of _____ (proper name of bidder) and am duly authorized to execute and submit this bid for and on behalf of Bidder and to bind Bidder to the requirements and conditions thereof; and that all information, representations and declarations presented by this document are, to the best of my knowledge, true, accurate and complete. I submit this bid to perform the above indicated work in good faith and without reservation.

(Signature)

(Date)

First-Tier Subcontractor Disclosure Form

Project Name: 2016 PAVEMENT PRESERVATION PROJECT

Bid Closing: **Date:** May 25, 2016 **Time:** 2:00 PM

(This form must be submitted with the bid at the location specified in the Advertisement for Bids not later than the advertised bid closing time if the bid amount is \$100,000 or more.)

The following first-tier subcontractor(s) will be furnishing labor or labor and materials in connection with this Work in value equal to or greater than

- (a) 5% of the total project bid or \$15,000, whichever is larger; or
- (b) \$350,000 regardless of the percentage of the total project bid:

Enter "None" if there are no subcontractors that need to be disclosed.

Subcontractor Name	Category of Work	Dollar Value of Subcontract

(attach additional sheets if necessary)

Failure to submit this form by the disclosure deadline will result in a non-responsive bid. A non-responsive bid will not be considered for award.

Signature of person authorized to sign

Printed/typed name of person authorized to sign

Name of partnership, corporation, or joint venture

Telephone Number

Business Address:

Fax Number

City, State, Zip

Email Address

Bond # _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that **[CONTRACTOR]** as Principal, and _____, a corporation duly authorized to do a general surety business in Oregon, as Surety, are jointly and severally held and bound unto the City of Troutdale, 219 E. Historic Columbia River Highway, Troutdale, OR 97060 as Owner, in the penal sum of **[AMOUNT IN WORDS]** (**[\$[AMOUNT IN FIGURES]**) in lawful money of the United States for the payment of which, well and truly to be made, we bind ourselves and our successors and assigns, jointly and severally, firmly by these presents:

The condition of this bond is such that whereas, the Principal has submitted to Owner a certain Bid, attached hereto and hereby made a part hereof, to enter into an Agreement in writing for the construction of

2016 PAVEMENT PRESERVATION PROJECT

NOW, THEREFORE,

- a) If said Bid shall be rejected, or
- b) If said Bid shall be accepted and the Principal shall execute and deliver an Agreement in the form attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said Agreement, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid, then this obligation shall be void; otherwise the same shall remain in full force and effect.

The Surety, for value received, hereby stipulates and agrees that the obligation of said Surety and its bond shall be in no way impaired or affected by an extension of the time within which the Owner may accept such Bid; and said Surety does hereby waive notice of any such extension.

Bond # _____

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on this the ____ day of _____, 20__.

ATTEST:

Principal

Print or Type Name / Title

ATTEST:

Surety

Print or Type Name / Title

(SEAL)

Surety's
Address:

Surety
Phone/Fax:

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of OREGON.



Contract Forms

CONTRACTOR RESPONSIBILITY DETERMINATION FORM

Project Name: _____

Bid Number: _____

Business Entity Name: _____

CCB License Number: _____

Form Submitted By (Contracting Agency): _____

Form Submitted By (Contracting Agency Representative's Name): _____

Title: _____

Date: _____

(The contracting agency must submit this form with attachments, if any, to the Construction Contractors Board within 30 days after the date of contract award.)

The contracting agency has (check all of the following):

- Checked the list created by the Construction Contractors Board under ORS 701.227 for bidders who are not qualified to hold a public improvement contract.
- Determined whether the bidder has met the standards of responsibility. In so doing, the contracting agency has considered whether the bidder:
 - Has available the appropriate financial, material, equipment, facility and personnel resources and expertise, or the ability to obtain the resources and expertise, necessary to meet all contractual responsibilities.
 - Holds current licenses that businesses or service professionals operating in this state must hold in order to undertake or perform the work specified in the contract.
 - Is covered by liability insurance and other insurance in amounts required in the solicitation documents.
 - Qualifies as a carrier-insured employer or a self-insured employer under ORS 656.407 or has elected coverage under ORS 656.128.
 - Has disclosed the bidder's first-tier subcontractors in accordance with TMC 2.24.220 and ORS 279C.370.
 - Has a satisfactory record of performance.
 - Has a satisfactory record of integrity.
 - Is qualified legally to contract with the contracting agency.
 - Has supplied all necessary information in connection with the inquiry concerning responsibility.
- Determined the bidder to be (check one of the following):
 - Responsible under ORS 279C.375(3)(a) and (b).
 - Not responsible under ORS 279C.375(3)(a) and (b).

(Attach documentation if the contracting agency finds the bidder not to be responsible.)

Submit this form, with any attachments, to the Construction Contractors Board within 30 days after the date the contracting agency awards the contract.



City of Troutdale Notice of Intent to Award

**Project Name: 2016 PAVEMENT
PRESERVATION PROJECT**

Date: _____

The City of Troutdale has received and evaluated bids /proposals for the above-named project and intends to make an award to the following bidder/proposer: _____.

If you desire to protest this intent to award, you may do so only if:

- 1) You would be eligible to be awarded the contract in the event the protest is successful.
- 2) The reason for the protest is that:
 - a. All lower bids or higher ranked proposals are nonresponsive;
 - b. The City has failed to conduct the evaluation of proposals in accordance with the criteria or process described in the solicitation materials;
 - c. The City has abused its discretion in rejecting your bid or proposal as nonresponsive;or
 - d. The City's evaluation of bids or proposals or the City's subsequent determination of award is otherwise in violation of ORS Chapters 279A or 279B.

Any protest must be submitted in writing no more than seven (7) days following this notice of intent to award to: City Manager, City of Troutdale, 321 E. Historic Columbia River Highway, Troutdale, OR 97060. The outside of the envelope containing the protest must be clearly marked "Protest of Intent to Award". The protest must specify the grounds for the protest. Late protests shall not be considered.

City of Troutdale

Steve Gaschler
Public Works Director

NOTICE OF AWARD



TO: _____

PROJECT: 2016 PAVEMENT PRESERVATION PROJECT

The OWNER has considered the BID submitted by you for the above described work in response to its Advertisement for Bids, dated _____, and Instructions to Bidders.

You are hereby notified that your BID has been accepted for this work in the amount of _____ (\$_____).

You are required by the Instructions to Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance Bond, Payment Bond, and Certificate(s) of Insurance within TEN (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said Bonds and Certificates within TEN (10) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

DATED this _____ day of _____, 201__.

OWNER: City of Troutdale

By: _____
Steve Gaschler
Public Works Director

ACCEPTANCE OF NOTICE

RECEIPT OF THE ABOVE NOTICE OF AWARD IS HEREBY ACKNOWLEDGED BY

Contractor: _____

This the _____ day of _____, 201__.

Signed: _____

Title: _____



AGREEMENT FOR 2016 PAVEMENT PRESERVATION PROJECT

This agreement is between the City of Troutdale, a municipal corporation in the State of Oregon (hereinafter called OWNER), and _____ (hereinafter called CONTRACTOR).

OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

1. **WORK:** CONTRACTOR shall provide all labor, materials, and equipment necessary to complete the Work specified in the Contract Documents and known as 2016 Pavement Preservation Project, which is generally described as traffic control, cleaning and preparation of pavement cracks, application of crack seal material and other incidental work required for crack sealing, and traffic control, tree and shrub trimming, curb and gutter repair, asphalt concrete pavement repair, cleaning and preparation of pavement surfaces, pavement bar removal, pavement legend removal, temporary signage for speed humps, application of approximately 107,000 square yards of Type II Slurry Seal, and other incidental work required for slurry sealing.
2. **ENGINEER:** _____ is hereinafter called ENGINEER and is to act as OWNER'S representative, assume duties and responsibilities, and have the rights and authority assigned to ENGINEER in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.
3. **CONTRACT TIME:** CONTRACTOR will complete all Work specified in the Contract Documents within _____ calendar days from the date given in the Notice To Proceed.
4. **LIQUIDATED DAMAGES:** OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not completed within the time specified in Paragraph 3 above plus any extensions thereof allowed in accordance with the Contract Documents. OWNER and CONTRACTOR also recognize the delays, expense and difficulties involved in proving in a legal or other dispute resolution proceeding the actual loss suffered by OWNER if the Work is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty), CONTRACTOR shall pay OWNER \$250 for each day that expires after the time specified in Paragraph 3 above until the Work is complete. OWNER may recover such liquidated damages by deducting the amount owed from the final payment or any retainage held by OWNER.
5. **CONTRACT PRICE:** OWNER shall pay CONTRACTOR for completion of the Work in accordance with the accepted bid, which, based upon the assumed quantities, is in the amount of _____ dollars (\$_____).

6. STATUTORY REQUIREMENTS:**(A) CONTRACTOR shall:**

- (1) Make payment promptly, as due, to all persons supplying to the CONTRACTOR labor or material for the performance of the work provided for in the Agreement;
- (2) Pay all contributions or amounts due the Industrial Accident Fund from the CONTRACTOR or subcontractor incurred in the performance of the contract;
- (3) Not permit any lien or claim to be filed or prosecuted against the state or a county, school district, municipality, municipal corporation or subdivision thereof, on account of any labor or material furnished;
- (4) Pay to the Department of Revenue all sums withheld from employees under ORS 316.167;
- (5) Demonstrate that an employee drug testing program is in place;
- (6) To the extent the Work includes demolition, salvage or recycle construction and demolition debris, if feasible and cost-effective;
- (7) To the extent the Work includes lawn and landscape maintenance, compost or mulch yard waste material at an approved site, if feasible and cost-effective;

(B) If the CONTRACTOR fails, neglects or refuses to pay promptly a person's claim for labor or services that the person provides to the CONTRACTOR or a subcontractor in connection with the Agreement as the claim becomes due, OWNER may pay the amount of the claim to the person that provides the labor or services and charge the amount of the payment against funds due or to become due the CONTRACTOR by reason of the Agreement;

(C) If the CONTRACTOR or its subcontractor fails, neglects or refuses to pay a person that provides labor or materials in connection with the Agreement within 30 days after receiving payment from OWNER, CONTRACTOR or its subcontractor owes the person the amount due plus interest charges that begin at the end of the 10-day period within which payment is due under ORS 279C.580 (4) and that end upon final payment, unless payment is subject to a good faith dispute as defined in ORS 279C.580. The rate of interest on the amount due is nine percent per annum. The amount of interest may not be waived;

(D) If CONTRACTOR or its subcontractor fails, neglects or refuses to pay a person that provides labor or materials in connection with the public improvement contract, the person may file a complaint with the Construction Contractors Board, unless payment is subject to a good faith dispute as defined in ORS 279C.580;

(E) Paying a claim in the manner authorized in (B) through (D) above does not relieve the CONTRACTOR or the CONTRACTOR's surety from obligation with respect to an unpaid claim;

(F) No person may be employed for more than 10 hours in any one day, or 40 hours in any one week, except in cases of necessity, emergency or when the public policy absolutely requires it, and in such cases the employee shall be paid at least time and a half pay;

- (1) For all overtime in excess of eight hours in any one day or 40 hours in any one week when the work week is five consecutive days, Monday through Friday; or
 - (2) For all overtime in excess of 10 hours in any one day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and
 - (3) For all work performed on Saturday and on any legal holiday specified in ORS 279C.540;
- (G) CONTRACTOR shall give notice in writing to employees who work on Work covered by the Agreement, either at the time of hire or before commencement of work on the Agreement, or by posting a notice in a location frequented by employees, of the number of hours per day and days per week that the employees may be required to work;
- (H) CONTRACTOR shall promptly, as due, make payment to any person, copartnership, association or corporation furnishing medical, surgical and hospital care services or other needed care and attention, incident to sickness or injury, to the employees of the CONTRACTOR, of all sums that the CONTRACTOR agrees to pay for the services and all moneys and sums that the CONTRACTOR collected or deducted from the wages of employees under any law, contract or agreement for the purpose of providing or paying for the services;
- (I) CONTRACTOR shall comply with ORS 656.017 unless exempt under ORS 656.126;
- (J) The withholding of retainage by CONTRACTOR and its subcontractors shall be in accordance with ORS 701.420;
- (K) In accordance with ORS 279C.560, unless OWNER finds in writing that accepting a bond, security or other instrument poses an extraordinary risk that is not typically associated with the bond, security or other instrument, OWNER will approve the CONTRACTOR's written request to deposit bonds, securities or other instruments with the OWNER or in a custodial account or other account satisfactory to OWNER with an approved bank or trust company, to be held instead of cash retainage for the benefit of OWNER. In such event, OWNER will reduce the cash retainage by an amount equal to the value of the bonds, securities and other instruments. Interest or earnings on the bonds, securities and other instruments shall accrue to the CONTRACTOR. Bonds, securities and other instruments deposited instead of cash retainage shall be assigned to or made payable to OWNER and shall be of a kind approved by the Director of the Oregon Department of Administrative Services, including but not limited to: Bills, certificates, notes or bonds of the United States; Other obligations of the United States or agencies of the United States; Obligations of a corporation wholly owned by the federal government; Indebtedness of the Federal National Mortgage Association; General obligation bonds of the State of Oregon or a political subdivision of the State of Oregon; or Irrevocable letters of credit issued by an insured institution, as defined in ORS 706.008. The CONTRACTOR shall execute and provide such documentation and instructions respecting the bonds, securities and other instruments as OWNER may require to protect its interests. When OWNER determines that all requirements for the protection of OWNER's interest have been fulfilled, the bonds and securities deposited instead of cash retainage will be released to the CONTRACTOR. If OWNER accepts a surety bond from CONTRACTOR in lieu of retainage, CONTRACTOR shall accept like bonds from its subcontractors or suppliers from which

CONTRACTOR has retainage. CONTRACTOR shall then reduce the moneys CONTRACTOR holds as retainage in an amount equal to the value of the bond and pay the amount of the reduction to the subcontractor or supplier.

- (L) OWNER shall make progress payments on the Agreement monthly as work progresses. Payments shall be based upon estimates of work completed that are approved by OWNER. A progress payment is not considered acceptance or approval of any work or waiver of any defects therein. OWNER shall pay to CONTRACTOR interest on the progress payment, not including retainage, due the CONTRACTOR. The interest shall commence 30 days after receipt of the invoice from the CONTRACTOR or 15 days after the payment is approved by OWNER, whichever is the earlier date. The rate of interest charged to OWNER on the amount due shall equal three times the discount rate on 90-day commercial paper in effect at the Federal Reserve Bank in the Federal Reserve district that includes Oregon on the date that is 30 days after receipt of the invoice from CONTRACTOR or 15 days after the payment is approved by OWNER, whichever is the earlier date, but the rate of interest may not exceed 30 percent. Interest shall be paid automatically when payments become overdue. OWNER shall document, calculate and pay any interest due when payment is made on the principal. Interest payments shall accompany payment of net due on the Agreement. OWNER will not require CONTRACTOR to petition, invoice, bill or wait additional days to receive interest due. When an invoice is filled out incorrectly, when there is any defect or impropriety in any submitted invoice or when there is a good faith dispute, OWNER shall so notify CONTRACTOR within 15 days stating the reason or reasons the invoice is defective or improper or the reasons for the dispute. A defective or improper invoice, if corrected by CONTRACTOR within seven days of being notified by OWNER, may not cause a payment to be made later than specified in this section unless interest is also paid. If requested in writing by a subcontractor, CONTRACTOR, within 10 days after receiving the request, shall send to the subcontractor a copy of that portion of any invoice, request for payment submitted to OWNER or pay document provided by OWNER to CONTRACTOR specifically related to any labor or materials supplied by the subcontractor. Payment of interest may be postponed when payment on the principal is delayed because of disagreement between OWNER and CONTRACTOR.
- (M) OWNER will reserve as retainage from all progress payment five percent (5%) of the payment. As work progresses, OWNER may (but is not required) reduce the amount of the retainage and OWNER may (but is not required) eliminate retainage on any remaining monthly contract payments after 50 percent of the Work under the Agreement is completed if, in OWNER's opinion, such work is progressing satisfactorily. Elimination or reduction of retainage shall be allowed only upon written application by CONTRACTOR, and the application shall include written approval of CONTRACTOR's surety. However, when the contract work is 97.5 percent completed, OWNER may, at the OWNER's sole discretion and without application by CONTRACTOR, reduce the retained amount to 100 percent of the value of the Work remaining to be done. Upon receipt of a written application by CONTRACTOR, the OWNER shall respond in writing within a reasonable time. The retainage held by OWNER shall be included in and paid to CONTRACTOR as part of the final payment of the contract price. OWNER shall pay to CONTRACTOR interest at the rate of 1.5 percent per month on the final payment due CONTRACTOR, interest to commence 30 days after the work under the Agreement has been completed and accepted and to run until the date when the final payment is tendered to CONTRACTOR.

CONTRACTOR shall notify OWNER in writing when the CONTRACTOR considers the work complete and OWNER shall, within 15 days after receiving the written notice, either accept the work or notify CONTRACTOR of work yet to be performed on the Agreement. If OWNER does not, within the time allowed, notify CONTRACTOR of work yet to be performed to fulfill contractual obligations, the interest provided by this subsection shall commence to run 30 days after the end of the 15-day period.

- (N) CONTRACTOR shall include in each subcontract for property or services the contractor enters into with a subcontractor, including a material supplier, for the purpose of performing a construction contract:
- (1) A payment clause that obligates CONTRACTOR to pay subcontractor for satisfactory performance under the subcontract within 10 days out of amounts the OWNER pays to CONTRACTOR under the Agreement;
 - (2) A clause that requires CONTRACTOR to provide subcontractor with a standard form that the subcontractor may use as an application for payment or another method by which the subcontractor may claim a payment due from CONTRACTOR;
 - (3) A clause that requires CONTRACTOR, except as otherwise provided in this paragraph, to use the same form and regular administrative procedures for processing payments during the entire term of the subcontract. CONTRACTOR may change the form or the regular administrative procedures CONTRACTOR uses for processing payments if CONTRACTOR: (i) Notifies the subcontractor in writing at least 45 days before the date on which the CONTRACTOR makes the change; and (ii) Includes with the written notice a copy of the new or changed form or a description of the new or changed procedure.
 - (4) An interest penalty clause that obligates CONTRACTOR, if the CONTRACTOR does not pay the subcontractor within 30 days after receiving payment from OWNER, to pay subcontractor an interest penalty on amounts due in each payment CONTRACTOR does not make in accordance with the payment clause included in the subcontract under paragraph (1) of this subsection. CONTRACTOR or subcontractor is not obligated to pay an interest penalty if the only reason that CONTRACTOR or subcontractor did not make payment when payment was due is that CONTRACTOR or subcontractor did not receive payment from OWNER or CONTRACTOR when payment was due. The interest penalty: (i) Applies to the period that begins on the day after the required payment date and that ends on the date on which the amount due is paid; and (ii) Is computed at the rate specified in ORS 279C.515 (2).
- (O) CONTRACTOR shall, in each of the CONTRACTOR's subcontracts, require the first-tier subcontractor to include a payment clause and an interest penalty clause that conforms to the standards of subsection (N) of this section in each of the first-tier subcontractor's subcontracts and to require each of the first-tier subcontractor's subcontractors to include such clauses in the first-tier subcontractors' subcontracts with each lower-tier subcontractor or supplier.
- (P) CONTRACTOR expressly agrees to be bound by and comply with prevailing rate of wage laws applicable to CONTRACTOR's Work in accordance with ORS 279C.800 et seq. The

prevailing wage rates in effect when this Project was first advertised are hereby expressly incorporated into this Agreement by reference. Information on BOLI Prevailing Wage Rates may be obtained at the following site: www.oregon.gov/BOLI/WHD/PWR/pwr_state.shtml. A copy of these rates may be requested by calling the Bureau of Labor and Industries directly (Bureau of Labor and Industries – (971) 673-0838). Information on the Federal Davis-Bacon Act rates may be obtained at the following site: www.oregon.gov/ODOT/HWY/SPECS/wages.shtml. CONTRACTOR’s workers must be paid not less than the specified minimum hourly rate of wage in accordance with ORS 279C.838 and 279C.840.

- (Q) CONTRACTOR shall have a public works bond filed with the Construction Contractors Board and shall provide OWNER with a copy of such bond before starting work unless CONTRACTOR is exempt under ORS 279C.836(4), (7), (8) or (9). CONTRACTOR shall include a similar provision in any subcontract.
- (R) CONTRACTOR shall keep the prevailing rates of wage for Project posted in a conspicuous and accessible place in or about the Project and, if it provides a health and welfare plan or pension plan or both, shall post a notice describing the plan, including information on how and where to make claims and where to obtain further information, in a conspicuous and accessible place in or about the Project.
- (S) CONTRACTOR shall furnish to OWNER a weekly affidavit with supporting detailed exhibits in a form that complies with the certified statement requirements of ORS 279C.845, certifying wages paid and to whom during each preceding weekly payroll period, for itself and all subcontractors who are required to submit such certified statements under ORS 279C.845. If CONTRACTOR has failed to timely submit a required certified statement, OWNER, pursuant to ORS 279C.845(8), shall withhold twenty-five percent (25%) from any amount owed to CONTRACTOR until CONTRACTOR provides the required certified statement.

7. **CONTRACT DOCUMENTS:** The Contract Documents include the following:

- | | |
|-------------------------|--------------------|
| Advertisement for Bids | Performance Bond |
| Instructions to Bidders | General Conditions |
| Bid Form | Special Conditions |
| Bid Security | Specifications |
| Notice of Award | Drawings |
| Agreement | Change Orders |
| Notice to Proceed | Addenda (If Any) |
| Payment Bond | |

IN WITNESS WHEREOF, the undersigned parties have entered into this Agreement this _____ day of _____, 20____.

OWNER:

CONTRACTOR:

Signature

Signature

Typed or printed name

Typed or printed name

CITY OF TROUTDALE
219 E Historic Columbia River Highway
Troutdale, OR 97060

Name of Partnership, Corporation, or joint Venture

(503) 665-5175

Telephone Number

Business Address

City, State, Zip

Approved as to form:

Telephone Number

City Attorney

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that **[CONTRACTOR]**, as PRINCIPAL, and _____ a corporation, duly authorized to do a general surety business in Oregon, as SURETY, are jointly and severally held and bound unto **CITY OF TROUTDALE, 219 E. Historic Columbia River Highway, Troutdale, Oregon 97060**, as OWNER, in the penal sum of **[AMOUNT IN WORDS]** (**[\$AMOUNT IN FIGURES]**) in lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves and our successors and assigns, jointly and severally, firmly by these presents:

THE CONDITION OF THIS BOND IS SUCH THAT WHEREAS, the Principal entered into a certain contract with the OWNER, dated on the _____ day of _____, 20_, a copy of which is hereto attached and made a part hereof for the construction of the

2016 PAVEMENT PRESERVATION PROJECT

NOW, THEREFORE, if said PRINCIPAL herein shall promptly make payment to all persons, firms subcontractors, and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such work, and all insurance premiums on said work, and for all labor performed in such work whether by SUBCONTRACTOR or otherwise, then this obligation shall be void; otherwise the same shall remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the specifications.

PROVIDED, FURTHER, that no final settlement between the OWNER and the PRINCIPAL shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

Bond # _____

CoT Contract # ___PW_____

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on this the ____ day of _____, 20__.

ATTEST:

Principal

Print or Type Name / Title

ATTEST:

Surety

Print or Type Name / Title

(SEAL)

Surety's Address: _____

Surety Phone/Fax: _____

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of OREGON.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that **[CONTRACTOR]**, as PRINCIPAL, and _____ a corporation, duly authorized to do a general surety business in Oregon, as SURETY, are jointly and severally held and bound unto **CITY OF TROUTDALE, 219 E. Historic Columbia River Highway, Troutdale, Oregon 97060**, as OWNER, in the penal sum of **[AMOUNT IN WORDS]** (**[\$AMOUNT IN FIGURES]**) in lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves and our successors and assigns, jointly and severally, firmly by these presents:

THE CONDITION OF THIS BOND IS SUCH THAT WHEREAS, the Principal entered into a certain Agreement with the OWNER, dated on the _____ day of _____, 20____, a copy of which is hereto attached and made a part hereof for the construction of the

2016 PAVEMENT PRESERVATION PROJECT

NOW, THEREFORE, if said PRINCIPAL herein shall well, truly and faithfully perform its duties in all the undertakings, covenants, terms, and conditions of said Agreement during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the guaranty period and if he shall satisfy all claims and demands incurred under such Agreement, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise the same shall remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Agreement or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between the OWNER and the PRINCIPAL shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

Bond # _____

CoT Contract # ___PW_____

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on this the _____ day of _____, 20____.

ATTEST:

Principal

Print or Type Name / Title

ATTEST:

Surety

Print or Type Name / Title

(SEAL)

Surety's Address: _____

Surety Phone/Fax: _____

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of OREGON.



CITY OF TROUTDALE

NOTICE TO PROCEED

TO: [Company Name]
[Address 1]
[Address 2]
[City, State, Zip]

DATE: [Date]

PROJECT: 2016 PAVMENT PRESERVATION PROJECT

You are hereby notified to commence work in accordance with the Agreement dated [Agreement Date], on or before [Due Date], and you are to complete the work within [Performance Time] consecutive calendar days thereafter.

The date of completion of all work is, therefore, [Completion Date].

CITY OF TROUTDALE

[NAME]
[TITLE]

ACCEPTANCE OF NOTICE

RECEIPT OF THE ABOVE NOTICE TO PROCEED IS HEREBY ACKNOWLEDGED BY

Contractor: _____

This the _____ **day of** _____, 201__.

Signed: _____

Print Name: _____

Title: _____

CHANGE ORDER

Project
Owner
Project Engineer

Date
Contractor
CoT Contract # _____ PW _____

The following Change(s) is/are made to the Contract Documents for the above referenced project:

1. Proposed by (Owner / Contractor)

This item will (increase / decrease) the contract grand total by _____ \$
This item will (increase / decrease) the performance time by _____ calendar days

2. Proposed by (Owner / Contractor)

This item will (increase / decrease) the contract grand total by _____ \$
This item will (increase / decrease) the performance time by _____ calendar days

In total for this Change Order, the Grand Total of the Contract is (increased/decreased) as follows:

Original Grand Total of Contract	\$
Sum Change to Grand Total of Previous Change Orders	\$
Sum Change to Grand Total for this Change Order	\$
Grand Total of Contract as of execution of this Change Order	\$

In total for this Change Order, the Performance Time of the Contract is (increased/decreased) as follows:

Original Performance Time of Contract	calendar days
Sum Change to Performance Time of Previous Change Orders	calendar days
Sum Change to Performance Time for this Change Order	calendar days
Performance Time of Contract as of this Change Order	calendar days

The Completion Date for all work under this contract is therefore

Issued by Engineer (REQUIRED)

Approved by Agency (REQUIRED)

(Print Name) (date)

(Print Name) (date)

(signature)

(signature)

Acknowledged by _____
Contractor: (Initial) (Print Name) (title) (date)

If this Change Order increases the Contract Amount, the Contractor shall notify its Surety of the increase and shall provide the Agency with a copy of any resulting modification to bond documents.

Any Protest of this Change Order shall be resolved in accordance with Section 199.20 of the Standard Specifications.



Conditions of the Contract

GENERAL CONDITIONS AND STANDARD SPECIFICATIONS

The general conditions for this project are the *2008 Oregon Standard Specifications for Construction with City of Troutdale Amendments, Volume 1*. The standard technical specifications for this project are the *2008 Oregon Standard Specifications for Construction, Volume 2*. The *Oregon Standard Specifications with City of Troutdale Amendments* are further modified and supplemented for all projects by the City of Troutdale *Design and Construction Standards for Public Works Facilities* and City of Troutdale *Standard Details for Public Works Facilities*; and are further modified and supplemented for this project by Special Provisions, Supplemental Specifications, project Plans, and other references as indicated herein. All above-referenced documents are hereby incorporated into and made a part of these Contract Documents in their entirety.

SPECIAL PROVISIONS

All number references in these Special Provisions shall be understood to refer to the Sections and Subsections of the 2008 edition of the “2008 Oregon Standard Specifications for Construction with City of Troutdale Amendments, Volume 1” and the “2008 Oregon Standard Specifications for Construction, Volume 2” bearing like numbers and to Sections and subsections contained in these Special Provisions.

Comply with the General Conditions and Standard Specifications supplemented and/or modified as follows:

Section 00120 – Bidding Requirements and Procedures

Comply with Section 00120 of the Standard Specifications, supplemented and/or modified as follows:

00120.70 Rejection of Nonresponsive Bids – add the following bulleted item:

- The Agency determines that any Pay Item is significantly unbalanced to the potential detriment of the Agency.

00120.95 Opportunity for Cooperative Arrangement – Delete this subsection in its entirety.

Add the following section:

00120.96 Opportunity for Cooperative Purchasing

- Any publicly funded city, county, agency or similar entity shall have the authority to purchase specific goods/services directly from the contractor under the terms and conditions of this contract.
- The bidder agrees to extend identical pricing to local public agencies for the same terms. Quantities listed in this document reflect the City of Troutdale’s estimated usage only.
- Each contracting agency will execute a separate contract with the successful bidder for its requirements.
- Any bidder, by written notification at the time of the bid due date and time, may decline to extend the prices and terms of this bid to any, and/or all other public agencies.
- Additional costs may be incurred by the successful bidder in contracting with another public agency. All demonstrable costs (shipping, etc.) may be passed on to that public agency.
- Contractor shall provide information regarding total usage of contract upon request of the City of Troutdale.

Section 00170 – Legal Relations and Responsibilities

Comply with Section 00170 of the Standard Specifications, supplemented and/or modified as follows:

00170.65 Minimum Wage and Overtime Rates for Public Works Projects

(a) **General**, Add the following paragraph:

Contractor must give a written schedule to employees showing the number of hours per day and days per week the employee may be required to work (Ref. ORS 279C.520(2))

00170.70 Insurance

(a) Insurance Coverages

Required minimum Insurance coverage levels are as follows:

Commercial General Liability..... \$2,000,000 Combined Single Limit Per Occurrence

Pollution Liability Coverage.....\$2,000,000

Asbestos Liability Endorsement..... Not Required

Lead Liability Endorsement.....Not Required

Commercial Automobile Liability..... \$2,000,000 Combined Single Limit Per Occurrence

with Pollution Coverage..... Required

Builder’s Risk.....Contract Value

Section 00180 - Prosecution and Progress

Comply with Section 00180 of the Standard Specifications, supplemented and/or modified as follows:

00180.40 Limitation of Operations

(a) In General - Add the following bulleted items:

- Limit hours of construction-related activity to between 7:00 AM to 9:00 PM, Monday through Friday, 8:00 AM to 7:00 PM Saturday, 10:00 AM to 7:00 PM Sunday. Construction-related activities include all field maintenance of equipment, refueling, and pick-up and delivery of equipment and asphalt concrete pavement repairs. Application of slurry seal is further limited, see below.
- Unless otherwise approved by the City, actual slurry seal application may begin no earlier than 7:00 AM. Slurry sealed streets must be drivable (as defined in 00706 of these Special Provisions) and open to traffic not later than 5:00 PM the same day it is applied. If slurry sealed streets are not open to traffic after 5:00 pm, incremental liquidated damages will be applied due to inconveniencing the public.
- Slurry seal on Cul-de-sacs shall be completed not later than 12:00 noon if performed on Tuesdays to allow for additional curing time prior to expected solid waste collection service pick up on the following day.
- On Wednesdays, placement of slurry seal material will not be permitted prior to all solid waste collection services (garbage, recycle, and yard debris) being picked up on the respective street. It is the Contractor’s responsibility to coordinate with the solid waste collection service provider (Waste Management) to schedule slurry seal accordingly and to confirm that all solid waste collection has been completed on the respective street prior to commencing slurry seal. The City will provide the Contractor with solid waste collection service contact information.

- Any damage to slurry seal resulting from Contractor's failure to comply with the limitations provided above shall be repaired by the Contractor in a manner acceptable to the Engineer at the Contractor's expense.
- Clean up the project area and leave it in a neat, safe and secured manner at the end of each workday.
- Contractor's and subcontractors' employees, equipment and materials shall not enter or encroach upon private property outside of the limits of the public right-of-way without first obtaining the expressed permission of the property owner, except as needed to provide notices to property owners as required by the contract.
- Provide the City Project Manager with a 24-hour contact person name and telephone number.

(b) On-Site Work: replace with the following:

(b) On-Site Work – This is a two part project that involves crack sealing to occur in the summer prior to August 15 of the project year and slurry sealing to occur during the summer months beginning no earlier than the completion of the crack sealing phase and concluding no later than September 9 of the project year.

The Contractor shall not begin On-Site Crack Sealing Work until the Contractor has:

- Received Notice to Proceed for Crack Sealing;
- Filed with the Construction Contractors Board the public works bond as required un 00170.20;
- An approved Project Work schedule for Crack Sealing;
- An approved Traffic Control Plan for Crack Sealing;
- An approved Pollution Control Plan for Crack Sealing;
- An approved Erosion and Sediment Control Plan for Crack Sealing;
- Assembled all necessary Materials, Equipment, and labor on the Project Site, or has reasonably assured that they will arrive on the Project Site, so the Work can proceed according to the Project Work schedule for Crack Sealing.

The Contractor shall not begin On-Site Slurry Sealing Work until the Contractor has:

- Received Notice to Proceed for Slurry Sealing;
- Filed with the Construction Contractors Board the public works bond as required un 00170.20;
- An approved Project Work schedule for Slurry Sealing;
- An approved Traffic Control Plan for Slurry Sealing;
- An approved Pollution Control Plan for Slurry Sealing;
- An approved Erosion and Sediment Control Plan for Slurry Sealing;
- Assembled all necessary Materials, Equipment, and labor on the Project Site, or has reasonably assured that they will arrive on the Project Site, so the Work can proceed according to the Project Work schedule for Slurry Sealing.

Add the following at the end of this Subsection:

(c) Specific Limitations - Limitations of operations specified in these Special Provisions include, but are not limited to, the following:

Limitation	Subsection
Cooperation with Utilities	00150.50
Final Completion Time	00180.50
Traffic Restrictions	00220.40

Be aware of and comply with schedule limitations provided elsewhere in the Standard Specifications and these Special Provisions.

00180.41 Project Work Schedules

The type of schedule required for this work will be a **Type “A” Schedule**.

Add the following paragraph:

Contractor is required to submit two schedules for this project. Crack Sealing schedule shall occur during the summer, shall have a performance time of 30 calendar days and be completed prior to July 31 of the project year. Slurry sealing schedule shall occur during the summer months, with a performance time of 21 calendar days, and shall be completed not later than September 9 of the project year. Contractor shall propose a start date for the slurry sealing phase beginning no earlier than the completion of the crack sealing phase and a completion no later than September 9 of the project year. Upon commencing each phase of the work, the Contractor shall work continuously until the respective phase is completed.

00180.42 Preconstruction Conference - Add the following:

The Contractor is required to contact the City at 503-674-7240 to schedule the preconstruction conference.

In addition to the Contractor, the intended project superintendents and subcontractor foremen - those who will actually be supervising construction activities - should attend the preconstruction conference. The Contractor must be prepared for a thorough discussion and review, as well as revision, which may be deemed necessary in the opinion of the Engineer, of the following:

(Note: These materials shall be brought to the preconstruction conference for discussion followed by Engineer review.)

- Contractor’s plan of operation, public notification and progress schedule (3 copies)
- List of 24 hour phone numbers for the project manager, site foreman, and traffic control supervisor
- List of subcontractors, names, addresses and phone numbers
- Traffic Control Plan (3 copies)

During the preconstruction conference, be prepared to discuss the following items:

- Bonds and Insurance
- Responsibility for damage
- Hours of work
- Sequencing of work
- Public notification procedures
- Procedures for parked vehicles that obstruct the work
- Acceptance and approval of work
- Labor compliance, payrolls, and certifications
- Safety regulations for Contractor's and City's employees and representatives
- Suspension of work, time extensions
- Change order procedures
- Any interpretation of the Contract Documents requested by the Contractor
- Any conflicts or omissions in Contract Documents
- Any other problems or questions concerning the work

00180.50 Contract Time to Complete Work

(c) Beginning of Contract Time – replace with the following

When the Contract Time is stated in Calendar Days, counting of Contract Calendar Days will begin with the date indicated on the Notice to Proceed of the Crack Sealing work or Slurry Sealing work, respectively.

180.85 Failure to Complete on Time; Liquidated Damages:

(b) Liquidated Damages, Add the following:

Contractor shall pay to the Agency, not as a penalty but as liquidated damages, \$250 per day for each Calendar Day the Contractor expends performing the Contract in excess of the Contract Time or adjusted Contract Time.

Add the following subsection:

(c) Inconveniencing the Traveling Public

Contractor shall pay to the Agency, not as a penalty but as liquidated damages for inconvenience to the traveling public, \$200 for every 15 minutes (rounded to the nearest one quarter hour) after 5:00 pm that any street is not Drivable as defined in Section 00706.02 of these Special Provisions.

Section 00195 Payment

Comply with Section 00195 of the Standard Specifications, supplemented and/or modified as follows:

00195.20 Changes to Plans or Character of Work: Add the following subsection:

(c) Quantity Inflation – If, for reasons other than Changed Work, the actual quantity of any item in the Bid Schedule not otherwise excepted is more than one-hundred-twenty-five percent (125%) of the estimated quantity for that item listed in the Bid Schedule, the Engineer may, if appropriate, make an equitable adjustment to the contract time and/or unit cost for such item. The actual quantities of the items “Level 2 HMA” and “4-inch Asphalt Concrete Pavement Repair” may be adjusted to a quantity ranging from zero to two-hundred percent (0-200%) of the estimated quantities without unit cost adjustment, at the sole discretion of the City.

Section 00310 – Removal of Structures and Obstructions

Comply with Section 00310 of the Standard Specifications, supplemented and/or modified as follows:

00310.80 Measurement

No measurement of quantities will be made for work performed under this section.

00310.90 Payment

Payment for removal of structures or obstructions is incidental to the contract.

Section 00320 – Clearing and Grubbing

Comply with Section 00320 of the Standards Specifications, supplemented and/or modified as follows:

00320.00 Scope: add the following paragraph

Removal of branches and vegetation according to this section will occur within the slurry seal project area. Agency will provide a 30 day notification regarding branches and vegetation removal to residents. Contractor is required to provide 48 hour door hanger notice to residents prior to commencing work on removal of any remaining branches and vegetation over roadways adjacent to their respective properties.

00320.40 Clearing Operations

(3) Tree Trimming – Trim trees according to good tree surgery practices and as directed to remove safety hazards such as:

Branches and vegetation over roadways shall be trimmed to provide at least 11 feet of clearance above the roadway surface.

00320.90 Payment

Payment for clearing, grubbing, disposal, and cleanup work will be paid for the Contract lump sum amount for the item “Clearing and Grubbing (Tree and shrub trimming)”.

Section 00706 Emulsified Asphalt Slurry Seal Surfacing

Comply with Section 00706 of the Standard Specifications, supplemented and/or modified as follows:

00706.00 Scope: Add the following paragraphs

Slurry sealing for this project shall be meet Type II criteria as identified in the Standard Specifications.

Slurry sealing schedule shall occur during the summer months and shall have a performance time of 21 calendar days. Contractor shall propose a start date for the slurry sealing schedule beginning no earlier than the completion of the crack sealing phase and a completion no later than September 9 of the project year.

The Contractor is responsible for coordinating with the local solid waste collection service provider, Waste Management, to ensure slurry sealed streets are not damaged due to heavy vehicular traffic. Solid waste collection service occurs every Wednesday. Slurry seal placement on cul-de-sacs shall be completed not later than 12:00 noon if performed on Tuesdays. Slurry seal placement will not be allowed on streets on Wednesdays until all solid waste collection services (garbage, recycling and yard debris) have been picked up on the respective street. The City will provide the Contractor with a direct contact for the solid waste collection service provider.

00706.02 Abbreviations: Modify this section to read as follows:

00706.02 Abbreviations and Definitions:

Drivable – The point at which a newly slurry sealed roadway can be opened up to automobile traffic and without causing pick-up of newly placed slurry seal, visible impressions/imprints/rutting or any other observable damage to the slurry seal; and/or any damage to vehicles.

ISSA – International Slurry Surfacing Association

00706.41 Preparation of Surface: Modify this section as follows

(g) Pavement Markings – Cover, or remove, all reflector buttons before slurry seal is to be applied to any area, as determined by the Engineer. Cover or remove all permanent thermoplastic pavement markings as directed by the Engineer. Thermoplastic pavement markings that are removed will be replaced by City forces. Remove all paint pavement markings prior to applying slurry seal to prevent bleeding through the slurry seal and to allow for proper adhesion

00706.49 Cleanup: Add the following paragraph

One week after completion of the project and again four weeks after completion of the project, the Contractor shall perform a vacuum sweep of the project area to pick up residual sand remaining from the slurry seal project. The limit of the sweeping shall be on all newly slurry sealed streets and 200 feet down-gradient on streets that are contiguous to the newly slurry sealed streets.

00706.51 Provisions for Traffic: Add the following paragraphs

The Contractor shall be responsible for placing “NO PARKING” signs on affected streets a minimum of 24 hours before commencing slurry seal application. Information required on sign shall include: the date and time of the parking restriction and the name/phone number of a person to contact in cases of emergency or for obtaining more information. Contractor shall provide and mount such signs on a suitable mount

(e.g., tripod, portable barricade, etc.). Refer to the Manual on Uniform Traffic Control Devices, Chapter 6F. Signs shall be placed on both sides of street approximately 150 feet apart, but not less than three per block per side. Signs shall remain in place until after the slurry seal has been applied and is Drivable, after which Contractor shall promptly remove.

The parking prohibition shall be in force for no more than one day, unless otherwise approved by the Engineer. Contractor shall promptly notify the Engineer of any vehicles found in violation of the parking restriction, and the Engineer shall promptly arrange for towing of such vehicles.

The Contractor shall provide for the passage of emergency (e.g., fire, ambulances, police, and disabled persons) vehicles through the work zone when required.

It shall be the responsibility of the Contractor to post/re-post on a daily basis the notifications and signs as required for road closures, detour route designations and changes in the work schedule. The Contractor shall remove all barricades and signs promptly when it is determined that the street is Drivable. No area shall be slurry sealed that requires closing the street past 5:00 PM without prior approval from the Engineer. The Contractor shall schedule work so that residents with limited access (e.g., apartment approaches, dead end side streets, etc.) are not continuously isolated for more than 4 hours.

Where speed hump thermoplastic is removed with this project, humps shall be marked by appropriate signage mounted on barricades provided by the Agency. When speed hump thermoplastic is removed the Contractor shall set out signage/barricades and be responsible for ensuring they remain in place until City Forces have installed permanent pavement markings or the project has been accepted, whichever occurs first. No separate or additional payment will be made for setting out or maintaining barricades.

00706.80 Measurement: Replace the second paragraph with the following:

Slurry seal will be measured on the area basis, as tabulated and included in the Contract Drawings. If Contractor finds a discrepancy between tabulated area in the contract and area in the field, Contractor shall notify the Engineer. Such area will be recalculated by taking the nominal width of the street and multiplying it by the length of slurry seal applied. For streets with cul-de-sacs and knuckles, those areas will be calculated by squaring the nominal radius, multiplying it by 3.142, and then multiplying by the applicable fraction for partial circles. Irregular Areas existing outside of the parameters identified above (i.e. curb returns, etc.) will be considered incidental.

**Section 00746 – Crack Sealing Flexible Pavements
(Changes in this section are underlined)**

Description

00746.00 Scope – This work consists of repairing and resealing cracks in flexible pavements at locations designated by the Engineer. Crack Sealing schedule shall occur during the summer, shall have a performance time of 30 calendar days and start no earlier than July 1 of the project year. Begin and end locations of crack sealing and areas to be excluded from crack sealing will be identified by the Engineer.

This work also includes sealing interfaces between Portland Cement Concrete (PCC) curb or PCC gutter and asphalt concrete pavement, referred to herein as “curb seal”.

Contractor is to complete Schedule A list of streets first before commencing on Schedule B list of streets.

Materials

00746.10 Sealants – Furnish all sealant materials for crack repair of flexible pavements that is approved by the Engineer before being incorporated into the work. Before beginning work, furnish a complete written statement of the origin, composition and manufacturer of materials that are to be used.

The sealant shall be CRAFCO ROADSaver 534, or approved equal, hot-poured type sealant intended for use in sealing cracks in asphalt concrete pavement that ~~meets~~meet the requirements of ASTM D 6690.

Equipment

00746.20 Equipment – Use proper sealing equipment for the specific material listed according to the manufacturer’s recommendations. The equipment for sealing compounds shall be a melting kettle of the double boiler, indirect heating type, using oil as a heat-transfer medium. The kettle shall be an effective, mechanically operated agitator equipped with a positive, thermostatic temperature control.

Crack sealing shall be completed using a 3” disk applicator. Curb sealing shall be completed using equipment meeting the construction requirements stated in section 00746.42.

Construction

00746.40 General – Provide traffic control according to Sections 00220 and 00225.

Contractor will be required to notify residents a minimum of two (2) calendar days in advance prior to crack sealing on the respective street(s).

00746.41 Mixing and Heating – Follow the manufacturer’s recommendations for application. Mix and heat the sealant materials to a minimum temperature of 280 °F. Do not heat the material above 400 °F.

00746.42 Installation Procedure – Where installation procedures, or any part of the procedures are required to be done according to the recommendations of the manufacturer of the sealing compound, submit catalogue data and copies of the recommendations before installing the materials.

Clean all cracks and curb or gutter interfaces designated for sealing of loose and foreign matter using a compressed hot air lance capable of providing a high velocity, heated air stream meeting the following minimum requirements: 1000 ft/sec exit velocity, 40 to 100 CFM compressed air capacity at 75 to 150 PSI that will produce a heated air temperature range of 600 °F (315 °C) to 2500 °F (1370 °C). Care must be taken to prevent burning the asphalt concrete pavement.

Do not place any sealant without the prior approval of the Engineer. ~~The Engineer will inspect all cracks.~~

The face of the crack shall be surface dry, and the ambient and pavement temperatures shall be at least 45 °F and rising at the time of application of the sealant.

Install the sealant so that the in-place sealant is well bonded to the pavement and free of voids or entrapped air.

Seal the cracks from the bottom up in a neat manner, so that upon completion of the work the surface of the sealant material is flush to ~~3~~1/16 inch ~~above~~below the adjacent pavement surface. Refill or “spot” all low areas before continuing work. The over band created by using the disk applicator shall not exceed 3 inches in total width, shall be flush and/or slightly raised, and shall have a smooth finished surface.

Curb sealing shall be from the bottom up in a neat manner, so that upon completion of the work the surface of the sealant material is flush to 3/16 inch below the adjacent pavement surface. Refill or “spot” all low areas before continuing work. The overlap shall not be greater than one-half inch (1/2) on either side of the curb seal.

00746.43 Cleaning and Sanding – Perform the following work when crack sealing prior to a hot mix asphalt overlay or to prevent traffic damage and “pickup”:

- Completely cover the sealed cracks with a clean sanding material, then sweep the pavement surface and leave in a clean condition.
- Do not allow any traffic or construction equipment on the newly sealed cracks for at least one hour after placement of the sealant and refilling has been completed.

Measurement

00746.80 Measurement – The quantities of sealed cracks (including sealed curbs) will be measured on ~~either the length basis, or~~ the weight basis.

The contractor will provide the Engineer (or their designee) with delivery receipts of the material provided for the project. The Engineer (or their designee) may verify the quantity of the delivered material prior to the contractor commencing work.

The Engineer (or their designee) and the contractor will maintain and compare records on the quantity of material provided by the contractor throughout the construction period and will reach concurrence on the final quantity for payment prior to Contractor’s submittal of the respective pay request.

Payment

00746.90 ~~Payment~~Unit Basis – The accepted quantities of sealed cracks and curb sealing will be paid for at the Contract unit price, per ~~foot or~~ pound, for the item “Crack Sealing”.

Payment will be payment in full ~~of~~ for furnishing and placing all materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified.

No separate or additional payment will be made for required cleaning and routing.

No payment will be made for unused crack seal material. Unused crack seal material at the end of the project will remain the property of the contractor.

No separate or additional payment will be made for Mobilization or Temporary Protection & Direction of Traffic under Section 00746 Crack Sealing Flexible Pavements.

Section 00748 Asphalt Concrete Pavement Repair

Comply with Section 00748 of the Standard Specifications, supplemented and/or modified as follows:

00748.00 Scope: Add the following paragraph

T-cut per City of Troutdale Standard Detail II-14 Street Cut & Repairs. Asphalt concrete pavement thickness shall be a minimum of 4 inches in depth. Where existing asphalt concrete pavement exceeds 4 inches in depth, contractor shall match existing section. Aggregate base thickness shall be 11 inches in depth.

00748.90 Payment: Add the following paragraph

No separate or additional payment will be made for sawcutting asphalt concrete pavement.

Section 00759 Miscellaneous Portland Cement Concrete Structures

Comply with Section 00759 of the Standard Specifications, supplemented and/or modified as follows:

Description

00759.00 Scope: Add the following paragraph

This work includes furnishing, placing and finishing commercial grade concrete curb associated with a catchbasin.

Payment

00759.90 Payment: Remove the following paragraph

Aggregate will be paid for according to 00640.90 or 00641.90 as appropriate.

00759.90 Payment: Add the following paragraph

No separate or additional payment will be made for excavation, aggregate or water.

Section 00851 Pavement Marking Removal

Comply with Section 00851 of the Standard Specifications, supplemented and/or modified as follows:

Construction

00851.40 General: Add the following paragraph

Where speed hump thermoplastic is removed with this project, humps shall be marked by appropriate signage mounted on barricades provided by the Agency. When speed hump thermoplastic is removed the Contractor shall set out signage/barricades and be responsible for ensuring they remain in place until City Forces have installed permanent pavement markings or the project has been accepted, whichever occurs first. No separate or additional payment will be made for setting out or maintaining barricades.

Prevailing Wage Rates

This Contract is for a project that is subject to ORS 279C.800 to 279C.870. All persons working under this contract and all associated subcontracts must be paid not less than the applicable state prevailing rate of wage. ***“Prevailing Wage Rates for Public Works Contracts in Oregon” (effective January 1, 2016) with amendments dated April 1, 2016*** are the appropriate prevailing wage rate publications for this contract. These documents are published by the Oregon Bureau of Labor and Industries (BOLI) and are available on-line at:

http://www.oregon.gov/BOLI/WHD/PWR/Pages/pwr_state.aspx

BOLI Office Locations

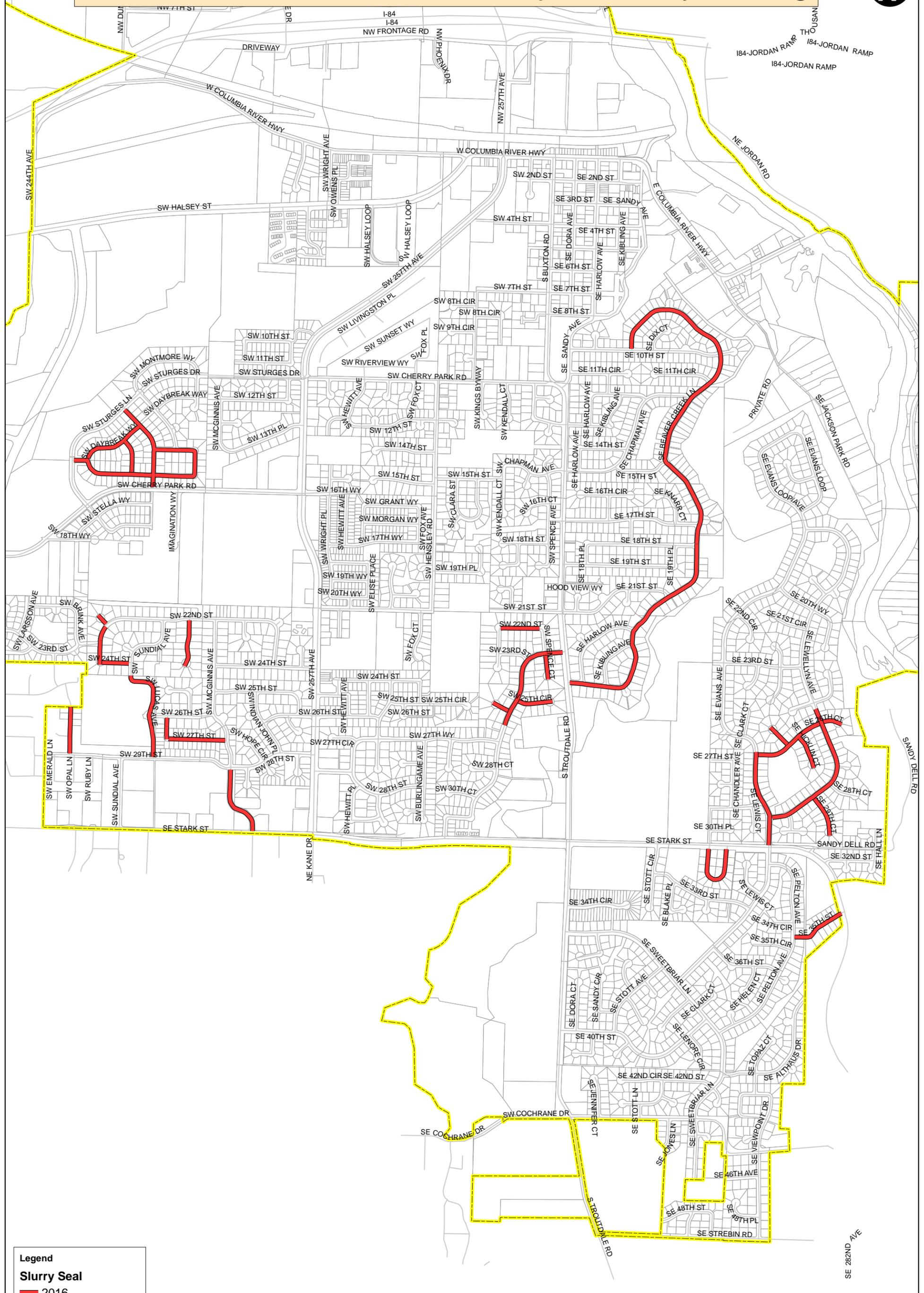
Bend	1645 NE Forbes Rd, Suite 106 Bend, OR 97701	541-322-2435
Eugene	1400 Executive Pkwy., Suite 200 Eugene, OR 97401	541-686-7623
Medford	119 N Oakdale Ave. Medford, OR 97501	541-776-6270
Portland	800 NE Oregon St., Suite 1045 Portland, OR 97232	971-673-0761
Salem	3865 Wolverine Ave. NE Building E, Suite 1 Salem, OR 97305	503-378-3292

The successful Bidder and all subsequent subcontracts shall comply with ORS 279C.845 wage rate requirements and produce appropriate certificates that they have compiled.



Drawings

2016 Pavement Preservation Project - Slurry Sealing



Legend

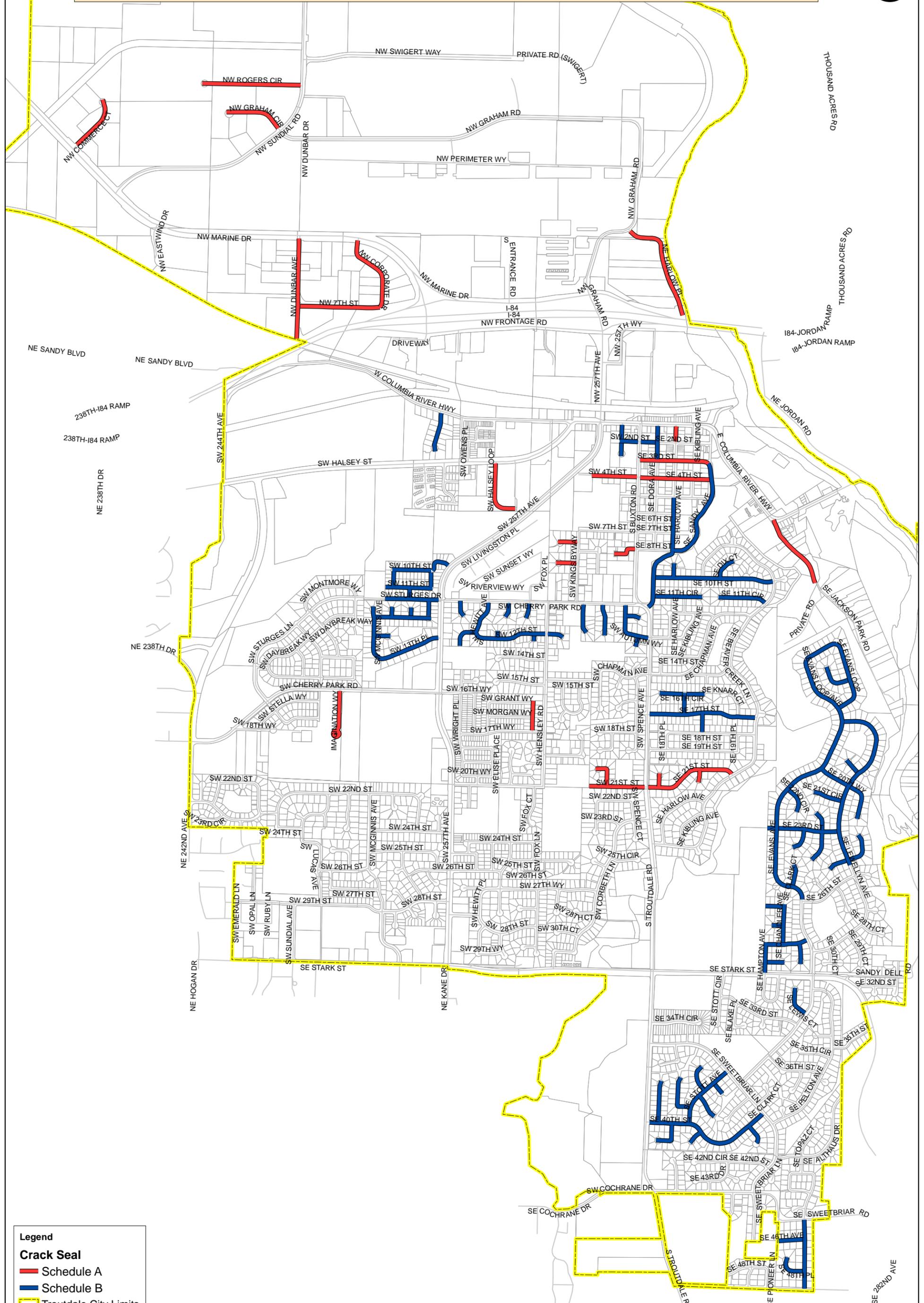
- Slurry Seal 2016
- Troutdale City Limits
- Street Centerline
- MC Streets
- Taxlots

Created by John J. Bushard, PE
May 4, 2016

FIGURE 1

0 405 810 1,620 Feet

2016 Pavement Preservation Project - Crack Sealing



Legend

Crack Seal

- Schedule A
- Schedule B
- Troutdale City Limits
- Street Centerline
- MC Streets
- Taxlots

Created by John J. Bushard, PE
May 4, 2016

FIGURE 2



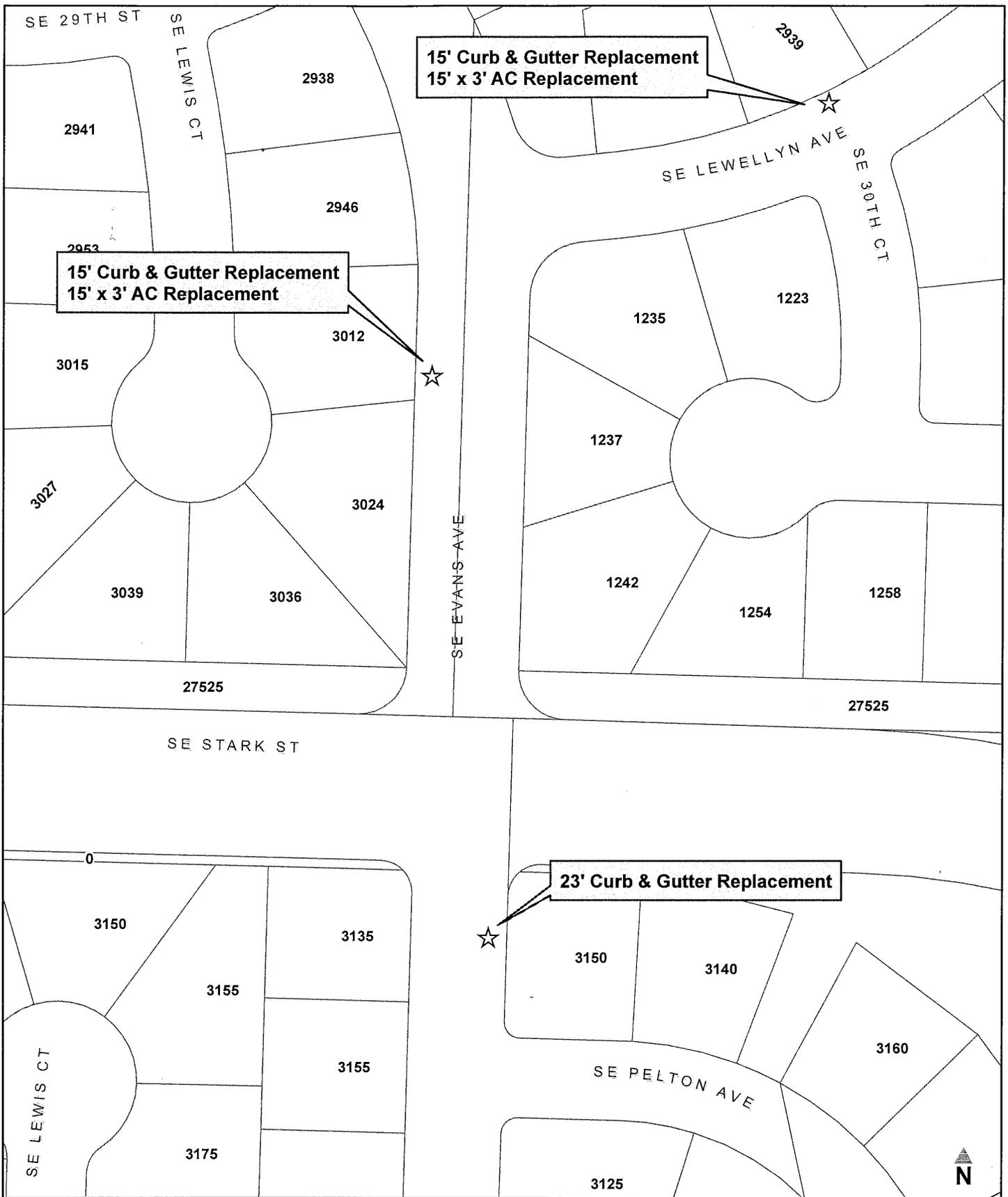


Figure 3 : Curb and Gutter Replacement Locations

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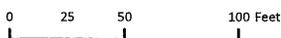


TABLE 1: SLURRY SEAL STREET INVENTORY
2016 PAVEMENT PRESERVATION PROJECT

STREET NAME	BEGINNING LOCATION	END LOCATION	LENGTH (FT)	AREA (SY)
22ND Ct SW	SW 22ND ST	DEAD END - CUL DE SAC	137	782
22ND St SW	SW KENDALL CT	SW SPENCE CT	507	2028
24TH St SW	SW DUNBAR PL	SW SUNDIAL AV	354	1259
25TH Ct SW	SW CORBETH LN	DEAD END - CUL DE SAC	422	1645
26TH Ct SW	SW CORBETH LN	DEAD END - CUL DE SAC	211	1045
26TH Ct SE	SE LEWELLYN AV	DEAD END - CUL DE SAC	211	1045
26TH ST SE	SE EVANS AV	SE LEWLLYN AV	902	3207
27TH ST SW	SW Latourell Pl	SW McGinnis Av	686	2439
29TH CT SE	SE LEWELLYN AV	DEAD END - CUL DE SAC	496	2059
35TH ST SE	SE PELTON AV	SE STARK ST	671	2386
BEAVER CREEK Ln SE	S TROUTDALE RD	SE 18TH ST	2667	12561
BEAVER CREEK Ln SE	SE 18TH ST	SE 10TH ST	4139	18396
BERRESSA PL SW	SW CHERRY PARK RD	SE STURGES LN	1061	4716
CORBETH LN SW	PAVEMENT BREAK	S TROUTDALE RD	1197	4788
COUNTRY CLUB AV S\SW	29TH AV	C.O.G. JURISDICTION	565	2009
DAYBREAK WY SW	SW NORTH STAR WY	SW BERRYESSA PL	771	3427
DUNBAR PL SW	SW 24th St	PT 16' N/SW 23rd St - Pvmt Brk	232	825
DUNBAR PL SW	PT 16' N/SW 23rd St - Pvmt Brk	SW 22nd Ct	169	601
EVANS AV SE	SE STARK ST	30' N/SE 26TH AV	1120	4958
HAMPTON LP SE	SE STARK ST - WEST END	SE STARK ST - EAST END	876	2531
HICKLIN CT SE	SE 26TH ST	DEAD END - CUL DE SAC	396	1703
INDIAN MARY Ct SW	SW 22ND ST	DEAD END - CUL DE SAC	544	2229
LATOURELL PL SW	SW 27TH ST	PVMT BREAK	138	665
LATOURELL PL SW	PVMT BREAK	SW 26TH ST	122	434
LEWELLYN AV SE	SE EVANS AV	SPEED BUMP 50' N/ SE 28TH CT	873	3492
LEWELLYN AV SE	SPEED BUMP 50' N/SE 28TH CT	SPEED BUMP 160' N/SE 26TH CT	886	3544
LUCAS AV SW	SW 29TH DR	140' S/SW 24TH ST	1166	4146
MC GINNIS AV SW	SE STARK ST	SW 29TH ST	940	3760
METEOR PL SW	SW NORTH STAR WAY	SW DAYBREAK WAY	433	1924
NORTH STAR LP SW	SW BERRYESSA PL SOUTH	SW BERRYESSA PL NORTH	1230	5467
NORTH STAR WY SW	SW STURGES LN	SW BERRYESSA PL	1035	4600
PELTON Ct SE	SE 26TH ST	DEAD END - CUL DE SAC	269	1252
SPENCE Ct SW	SW CORBETH LN	DEAD END - CUL DE SAC	293	1231

TOTAL AREA (SY)	107,152
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THERMOPLASTIC REMOVAL	STREETS
SPEED HUMP CHEVRONS AND LEGENDS	SE BEAVER CREEK LANE (11 LOCATIONS), SE LEWELLYN AVE (3 LOCATIONS) SE EVANS AVE (3 LOCATIONS), SW CHAPMAN AVE (3 LOCATIONS) SW DUNBAR PL
CROSSWALK	SE EVANS AVE, SW MCGINNIS AVE
LANE STRIPING	SW MCGINNIS AVE

TABLE 2: CRACK SEAL STREET INVENTORY
2016 PAVEMENT PRESERVATION PROJECT

STREET NAME	BEGIN LOCATION	END LOCATION	LENGTH (FT)	SCHEDULE
21ST St SE	S TROUTDALE RD	SE BEAVER CREEK LN	1357	A
21ST ST SW	S TROUTDALE RD	DEAD END	612	A
3RD St SE	S BUXTON AV	PVMT BREAK - 90 DEGREE BEND	980	A
4TH St SE	SE SANDY AV	NE BUXTON AV	1061	A
4TH ST SW	NE BUXTON AV	DEAD END	665	A
7TH ST NW	NE Dunbar Av	NW CORPORATE DR - ENDING PT	1177	A
8TH Ci SW	SW KINGS BYWAY	DEAD END - CUL DE SAC	280	A
9TH Ci SW	SW KINGS BYWAY	DEAD END - CUL DE SAC	301	A
COMMERCE CT NW	NE MARINE DR	DEAD END - CUL DE SAC	898	A
CORPORATE DR NW	NW 7TH ST	NE MARINE DR	1220	A
DORA Ct SE	SE 21ST ST	DEAD END - CUL DE SAC	174	A
DUNBAR AV NW	NE MARINE DR	DEAD END - R.R. R.O.W.	1489	A
FOX AV SW	SW GRANT WY	SW 17TH WY	405	A
GRAHAM CI NW	NE SUNDIAL RD	DEAD END - CUL DE SAC	882	A
HALSEY LP SW	NE HALSEY ST	DEAD END - E.O.P.	929	A
HARLOW AV SE	E HISTORIC COLUMBIA RIVER HY	SE 2ND ST	264	A
HARLOW RD NE	NW GRAHAM RD	MID PT 90 DEGREE HORIZ CURVE	484	A
HARLOW RD NE	MID PT 90 DEGREE HORIZ CURVE	DEAD END/ODOT ROW	994	A
IMAGINATION WY SW	SW CHERRY PARK RD	DEAD END - GATE	924	A
JACKSON PARK RD SE	HIST. COLUMBIA HY	DEAD END - END R.O.W.	1151	A
MARTINE Ct SW	S. BUXTON AV	DEAD END - HAMMERHEAD	354	A
ROGERS CI NW	NE SUNDIAL RD	DEAD END - CUL DE SAC	1455	A
SANDY Ct SE	SE 21ST ST	DEAD END - CUL DE SAC	185	A
SUNRISE CI SW	SW 21ST ST	DEAD END - CUL DE SAC	391	A
10TH ST SE	SE SANDY AV	SE BEAVER CREEK LN	1764	B
10TH ST SW	SW MITCHELL AV	SW EDGEFIELD AV	544	B
10TH WY SW	SW EDGEFIELD AVE	DEAD END - FIRE GATE	329	B
11TH CI SE	SE SANDY AV	DEAD END - CUL DE SAC	729	B
11TH CT SE	SE BEAVER CREEK LANE	DEAD END - CUL DE SAC	713	B
11TH ST SW	SW EDGEFIELD AV	DEAD END - BARRICADE	650	B
12TH CI SW	SW 262ND AV	DEAD END - CUL DE SAC	248	B
12TH CT SW	SW 12TH ST	DEAD END - CUL DE SAC	143	B
12TH ST SW	SW MCGINNIS AV	SW EDGEFIELD AV	813	B
12TH ST SW	SW WRIGHT PL	PT 220' E/SW WRIGHT PL	220	B
12TH ST SW	PT 220' E/SW WRIGHT PL	SW 262ND AV	824	B
13TH Ci SW	SW MC GINNIS AV	DEAD END - CUL DE SAC	232	B
13TH PI SW	SW MC GINNIS AV	NW 257TH DR	993	B
16TH CI SE	SE CEREGHINO PL	DEAD END - CUL DE SAC	280	B
16TH CT SE	SE CEREGHINO PL	DEAD END - CUL DE SAC	359	B
17TH ST SE	SE TROUTDALE RD	SE BEAVER CREEK LN	1584	B
19TH CI SE	SE LEWELLYN AV	DEAD END - CUL DE SAC	164	B
20TH Wy SE	SE EVANS AV	SE LEWELLYN AV	459	B
20TH Wy SE	SE LEWELLYN AV	DEAD END - CUL DE- SAC	560	B
21ST Ci SE	SE LEWELLYN AV	DEAD END - CUL DE SAC	407	B
22ND Ci SE	SE EVANS AV	DEAD END - CUL DE SAC	591	B
23RD St SE	SE LEWELLYN AV	SE EVANS AV	873	B

TABLE 2: CRACK SEAL STREET INVENTORY
2016 PAVEMENT PRESERVATION PROJECT

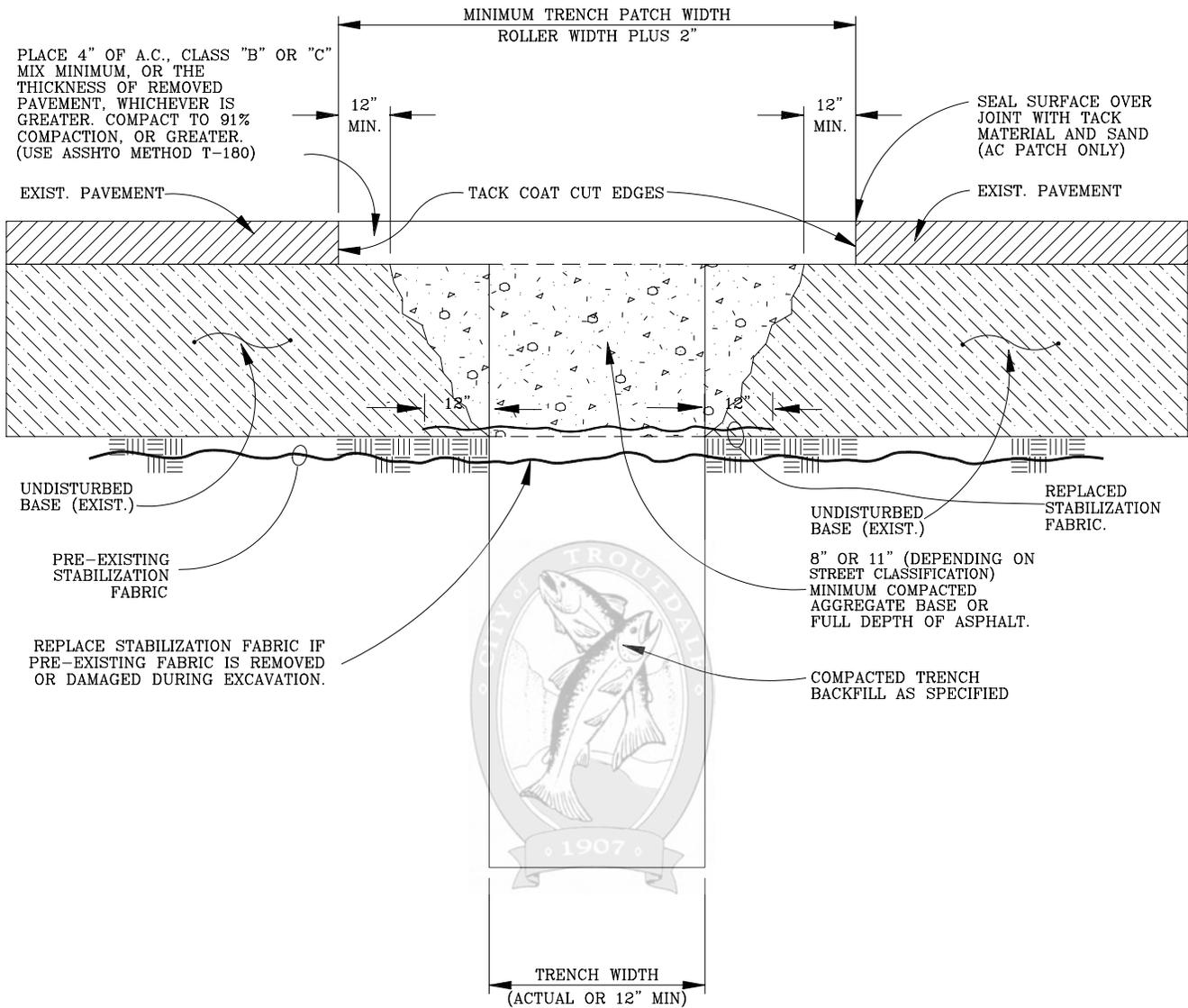
STREET NAME	BEGIN LOCATION	END LOCATION	LENGTH (FT)	SCHEDULE
23RD St SE	SE EVANS AV	DEAD END - BARRICADE	108	B
24TH Ci SE	DEAD END - CUL DE SAC - WEST	SE LEWELLYN AV	264	B
24TH Ci SE	SE LEWELLYN AV	DEAD END - CUL DE SAC - EAST	528	B
27TH ST SE	SE CHANDLER AV	DEAD END	253	B
28TH PL SE	SE CHANDLER AV	DEAD END - CUL DE SAC	158	B
29TH ST SE	SE HAMPTON AV	PT 128 FT E/SE CHANDLER AV	375	B
29TH ST SE	PT 128 FT E/SE CHANDLER AV	SE EVANS AV	216	B
2ND ST SE	S BUXTON RD	SE DORA AV	264	B
2ND ST SW	SW KENDALL AV	S BUXTON AV	253	B
30TH PL SE	SE HAMPTON AV	DEAD END - CUL DE SAC	264	B
40TH ST SE	SE TROUTDALE RD	SE SWEETBRIAR LN	1954	B
46TH AV SE	SE VIEWPOINT DR	DEAD END - CUL DE SAC	375	B
48TH PL SE	SE VIEWPOINT DR	DEAD END - CUL DE SAC	438	B
AUTUMN Ct SW	SW AUTUMN WY	DEAD END - CUL DE SAC	148	B
AUTUMN W _y SW	NE TROUTDALE RD	NE CHERRY PARK RD	755	B
CELESTIA Ci SE	SE STOTT AV	DEAD END - CUL DE SAC	190	B
CEREGHINO PL SE	SE 17TH ST	SE 16TH CI	296	B
CHANDLER AV SE	SE 29TH ST	SE 27TH ST	549	B
CLARK CT SE	SE EVANS AV	DEAD END - CUL DE SAC	327	B
DIX CT SE	SE 10TH ST	DEAD END - CUL DE SAC	348	B
DOOLITTLE Ct SW	NE CHERRY PARK RD	DEAD END - CUL DE SAC	232	B
DORA Av SE	SE 3RD ST	SE 2ND ST	259	B
DORA Av SE	SE 2ND ST	HISTORIC COLUMBIA HY	259	B
DORA Ct SE	SE 40TH ST	DEAD END - CUL DE SAC	586	B
EDGEFIELD AV SW	SW 12TH ST	SW STURGES DR	269	B
EDGEFIELD AV SW	SW 11TH ST	SW 10TH ST	259	B
EDGEFIELD Ct SW	HISTORIC COLUMBIA HY	DEAD END	570	B
ELLIS AV SW	SW STURGES DR	SW 11TH ST	169	B
EVANS AV SE	30' N/SE 26TH AV	ADDRESS #1361 - LEFT	4287	B
EVANS CI SE	SE EVANS LP	DEAD END - CUL DE SAC	480	B
EVANS LP SE	ADDRESS #1361 LEFT	SE EVANS AV	1608	B
FOX CT SW	SW 12TH ST	DEAD END - CUL DE SAC	100	B
FOX CT SW	SE CHERRY PARK	DEAD END - CUL DE SAC	227	B
HAMPTON AV SE	SE STARK ST	SE 29TH ST	438	B
HARLOW AV SE	SE 8TH ST	SE 5TH ST	776	B
HARLOW Ct SE	SE 10TH ST	DEAD END - CUL DE SAC	205	B
HARVEST PI SW	SW AUTUMN WAY	DEAD END - CUL DE SAC	211	B
HEWITT AV SW	SW CHERRY PK	SW WRIGHT PL	470	B
HUDSON Ct SE	CUL DE SAC - SOUTH	SE 23RD ST	422	B
HUDSON Ct SE	SE 23RD ST	CUL DE SAC - NORTH	322	B
KENDALL AV SW	E HISTORIC COLUMBIA RIVER HY	SW 2ND ST	259	B
KENDALL AV SW	SE 2ND ST	DEAD END - CUL DE SAC	222	B
KENDALL CT SW	SW CHERRY PARK RD	DEAD END - CUL DE SAC	448	B
KIBLING CT SE	SE 40TH ST	DEAD END - CUL DE SAC	454	B
KINGS BYWAY SW	NE CHERRY PARK RD	DEAD END - CUL DE SAC	440	B
KNARR CI SE	SE 40TH ST	DEAD END - CUL DE SAC	216	B

TABLE 2: CRACK SEAL STREET INVENTORY
2016 PAVEMENT PRESERVATION PROJECT

STREET NAME	BEGIN LOCATION	END LOCATION	LENGTH (FT)	SCHEDULE
LAURA CT SW	SW 12TH ST	DEAD END - CUL DE SAC	100	B
LENORE Ci SE	SE 40TH ST	DEAD END - CUL DE SAC	327	B
LEWELLYN AV SE	SPEED BUMP 160' N/SE 26TH CT	160' N/SE 23RD ST	678	B
LEWELLYN AV SE	160' N/SE 23RD ST	SE EVANS AV	2036	B
LEWIS Ct SE	SE EVANS AV	DEAD END - CUL DE SAC	444	B
LEWIS Ct SE	SE 29TH ST	DEAD END - CUL DE SAC	296	B
MC GINNIS AV SW	SW 13TH PL	SW 12TH ST	554	B
MC GINNIS CT SW	SW MCGINNIS AV	DEAD END - CUL DE SAC	148	B
MITCHELL AV SW	SW 11TH ST	SW 10TH ST	259	B
MITCHELL CT SW	SW 12TH ST	DEAD END - CUL DE SAC	143	B
NASH Ct SE	SE 23RD ST	DEAD END - CUL DE SAC	333	B
SANDY AV SE	SE TROUTDALE RD	SE 8TH ST	972	B
SANDY AV SE	SE 8TH ST	PVMT BREAK	520	B
SANDY AV SE	PVMT BREAK - 90 DEGREE BEND	PVMT BREAK	987	B
SANDY Ci SE	SE STOTT AV	DEAD END - CUL DE SAC	570	B
SANDY Ct SE	SE 18TH ST	SE 17TH ST	283	B
STOTT AV SE	SE SWEETBRAIR LN	SE 40TH ST	982	B
STOTT CI SE	SE STOTT AV	DEAD END - CUL DE SAC	380	B
STOTT CT SE	SE STOTT AV	DEAD END - CUL DE SAC	403	B
STURGES DR SW	NE 257TH AVE	DEAD END - BARRICADE	818	B
VIEWPOINT DR SE	SE STREBIN RD	SE SWEETBRIAR RD	1019	B
WRIGHT Ct SW	NE CHERRY PARK RD	DEAD END - CUL DE SAC	306	B
WRIGHT PL SW	SW HEWITT AV	DEAD END - BARRICADE	364	B

TABLE 3: PAVEMENT RESTORATION LOCATIONS
2016 PAVEMENT PRESERVATION PROJECT

ADDRESS	DISTRESS	LENGTH (FT)	WIDTH (FT)	AREA (SY)
2019 SE BEAVER CREEK LANE	ALLIGATOR CRACKING	100	8	89.0
115 SW 22ND ST	ALLIGATOR CRACKING	10	12	13.0
115 SW 22ND ST	SUNKEN DRAINS	10	10	11.0
2528 SW CORBETH LANE	TOP LIFT STRIPING	40	6	27.0
1950 SW NORTH STAR WAY	SETTTLED UTILITY PATCH	20	15	33.0
1837 SW 29TH ST	ALLIGATOR CRACKING	50	6	33.0
2903 SW COUNTRY CLUB AVE	ALLIGATOR CRACKING	50	10	56.0
229 SW 26TH CIR	PAVEMENT REPAIR	9	5	5.0
2258 SW 26TH CIR	PAVEMENT REPAIR	15	2	3.0
220 SW 26TH CIR	PAVEMENT REPAIR	14	2	3.0
2939 SE LEWLLYN AVE	PAVEMENT REPAIR	15	3	5.0
3012 SE LEWIS CT (ON SE EVANS AVE)	PAVEMENT REPAIR	15	3	5.0
TOTAL AREA (SY)				283



GENERAL NOTES:

1. ALL EXISTING AC OR PCC PAVEMENT SHALL BE SAWCUT PRIOR TO REPAVING, AND CUT EDGES TACKED TO PROVIDE STRONG BONDING.
2. IF STREET CUT/EXCAVATION TORE PRE-EXISTING STABILIZATION FABRIC, THE CITY MUST DETERMINE WHAT FABRIC TYPE WILL BE USED AS A SUBSTITUTE. SUBSTITUTE MUST OVERLAP ONTO EXISTING FABRIC AT LEAST 1' ON BOTH SIDES, AS SHOWN.
3. A PUBLIC WORKS PERMIT MUST BE OBTAINED FROM THE CITY PRIOR TO ANY ON-SITE EXCAVATION. A SUBMITTAL OF A TRAFFIC PLAN TO PUBLIC WORKS TO APPROVE MAY ALSO BE REQUIRED DEPENDING ON THE LOCATION OF THE CUT.

CITY OF TROUTDALE

*STREET CUT
&
REPAIRS*

DATE:

UPDATED 1997

DRAWING NO.

II - 14