

City of Hillsboro
2015 Pavement Management Program
Contract #20552222-6102

Crack Seals and
Overlays & AC Replacements



Engineering Division
150 E Main Street, Fourth Floor
Hillsboro, OR 97123
Phone: 503-681-6416



City of Hillsboro, Oregon
Invitation to Bid – Public Improvement

**2015 Pavement Management Program: Crack Seals and Overlays & AC Replacements
 ITB No. 20552222-6102**

Bids Due:	<p>Due Date and Time: Not Later than 2:00:00 PM Pacific Time, March 19, 2015. Bid Closing is the Due Date and Time shown above. Late Bids shall be rejected.</p> <p>First Tier Subcontractor Disclosure: Not later than 4:00:00 PM Pacific Time, March 19, 2015.</p>	
Submit Bids to:	<p>City of Hillsboro Teresa Gibson, Project Manager Public Works – Engineering Division 150 East Main Street, Fourth Floor Hillsboro, OR 97124</p> <p>All bid documents shall be submitted in hard copy to address above no later than the Due Date and Time. Electronic or e-mailed bids shall be rejected.</p>	
Contact:	<p>Direct Bidding/Technical questions to: ITB Contact: Teresa Gibson Email: teresa.gibson@hillsboro-oregon.gov Phone : 503-681-6234</p>	<p>For copies of Documents: Contact: Public Works Dept., Engineering Division Phone:503-681-6146 Website: http://www.hillsboro-oregon.gov/PublicWorksITB</p>
Request Deadline:	<p>For all substitution, clarification and change requests as well as solicitation protests: Not Later than 5:00:00 PM Pacific Time, March 13, 2015</p>	
Prevailing Wages:	<p>This project is a Public Work and subject to ORS 279C.800 – ORS 279C.870 including but not limited to: payment of prevailing wages, reporting and public works bond.</p>	
Bidder Prequalification	<p>Bidder Prequalification is not required</p>	
Pre-bid Conference:	<p>No pre-bid conference will be held.</p>	
Public Bid Opening:	<p>A Public Bid Opening to be held at the following time and location: 2:00PM, Public Works – Engineering Division, 150 East Main St, Fourth Floor, Hillsboro, OR 97123</p>	

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ATTACHMENT A:

FORM OF CONTRACT, GENERAL CONDITIONS

PART B:

DRAWINGS AND SPECIFICATIONS

LIST OF DRAWINGS:

- SCHEDULE "A": CRACK SEAL MAPBOOK
- SCHEDULE "B": OVERLAYS & AC REPLACEMENTS MAPBOOK

TECHNICAL SPECIFICATIONS:

- GENERAL SPECIFICATIONS
- SCHEDULE "A": CRACK SEAL SPECIFICATIONS
- SCHEDULE "B": OVERLAYS & AC REPLACEMENTS SPECIFICATIONS

This Invitation Bid Document is comprised of all Part A and Part B documents, including, but not limited to: instructions, forms, drawings and specifications. The drawings and specifications pertaining to this ITB are hereby incorporated by reference.

SCHEDULE

ITB ISSUED	March 2, 2015
<u>REQUEST DEADLINE</u> FOR: SUBSTITUTION, CLARIFICATION, OR CHANGE AND SOLICITATION PROTEST DEADLINE	March 13, 2015
LAST ADDENDA ISSUED	NOT LATER THAN 72 HOURS PRIOR TO BIDS DUE
BIDS DUE	See Page 1
FIRST-TIER SUBCONTRACTOR DISCLOSURE	See Page 1
ANTICIPATED CONTRACT START	April 13, 2015
ANTICIPATED FINAL COMPLETION	Schedule "A": June 26, 2015 Schedule "B": July 17, 2015

NOTE: The City reserves the right to deviate from this schedule.

ADVERTISEMENT

CITY OF HILLSBORO
Public Works, Engineering Division
Invitation to Bid (ITB) – Public Improvement
2015 Pavement Management Program: Crack Seals and Overlays & AC Replacements
No. 20552222-6102

Bids due and Bid Closing Date and Time: **March 19, 2015 2:00 PM**
First Tier Subcontractor Disclosure due: Not later than **March 19, 2015 4:00 PM**

The City of Hillsboro seeks sealed bids from qualified firms able to provide the following work required to install:

Schedule "A" – Crack Seals: Furnish all labor, equipment, and material required to complete the preparation and placement of approximately 169,717 linear feet of polymer modified asphalt rubber sealant to repair and reseal cracks in flexible pavements and associated work.

Schedule "B" – Overlays & AC Replacements: Furnish all equipment, materials, and labor required to complete the removal/replacement of approximately 31,021 square yards of defective pavement with approximately 5,681 tons of asphalt concrete including excavation, pavement repair, grinding, approximately 34 sidewalk ramp replacements, striping and associated work.

There is no pre-qualification process for this ITB. A bidder responsibility form will be required as part of the process. Late bids will be rejected as non-responsive.

Sealed bids will be received by Teresa Gibson, Project Manager at: 150 E. Main St, 4th Floor, Hillsboro, Oregon 97123. Questions about this ITB may be directed to the Contact: Teresa Gibson at 503-681-6234 or Teresa.gibson@hillsboro-oregon.gov.

ITB documents may be obtained at <http://hillsboro-oregon.gov/PublicWorksITB>. Hard copy ITB documents may be viewed at 150 E. Main St, 4th Floor, Hillsboro, Oregon 97123. This ITB is for construction of a Public Work subject to ORS 279C.800 to 279C.870 (prevailing wage law).

The City of Hillsboro reserves the right to reject any bid not in compliance with all prescribed public contracting procedures and requirements and may reject for good cause all bids upon a finding of the City of Hillsboro that it is in the public interest to do so and at its sole option may waive any minor informalities in any bid..[ORS 279C365(1)]

Dated this 27th day of February, 2015

CITY OF HILLSBORO



City Recorder

Please Publish:
Argus: March 4 and March 6, 2015
Daily Journal: March 2 and March 4, 2015
Hillsboro Chamber of Commerce

PART A:

SECTION 1- SUMMARY AND INSTRUCTIONS TO BIDDERS

1.01. BRIEF SUMMARY OF THE WORK

A. The City requests sealed Bids to provide the following work required to install:

Schedule "A" – Crack Seals: *Furnish all labor, equipment, and material required to complete the preparation and placement of approximately 169,717 linear feet of polymer modified asphalt rubber sealant to repair and reseal cracks in flexible pavements and associated work.*

Schedule "B" – Overlays & AC Replacements: *Furnish all equipment, materials, and labor required to complete the removal/replacement of approximately 31,021 square yards of defective pavement with approximately 5,681 tons of asphalt concrete including excavation, pavement repair, grinding, approximately 34 sidewalk ramp replacements, striping and associated work.*

B. ENGINEER'S PROJECT ESTIMATE:

Schedule "A": Crack Seals ***\$90,000 to \$105,000***

Schedule "B": Overlays & AC Replacements ***\$920,000 to \$1,020,000***

1.02. IMPORTANT ITB EVENTS

A. PRE-BID CONFERENCE

No pre-bid conference will be held.

B. RECEIPT OF BIDS

Sealed bids ("Bids") will be received at the location, Due Date and Time specified on page 1 of this document.

B. BID CLOSING

Bid Closing is shown as the Due Date and Time on page 1 of this document. Bids received after Bid Closing will be considered Late. The City will not accept Offers after Bid Closing.

C. FIRST-TIER SUBCONTRACTOR DISCLOSURE

The first-tier subcontractor disclosure form is due at the time and date shown on page 1 of this document. Failure to submit first-tier subcontractor disclosure form by this due date and time may result in Bid rejection.

D. PUBLIC BID OPENING

The Public Bid Opening will be held at the location, time and date shown on page 1 of this document.

1.03. BID REQUIREMENTS

Bid Requirements Checklist		
The following is a listing of Bid submission components		
	Signed Bid Form – all pages	Submit with Bid
	Bid Security	Submit with Bid
	Bidder Responsibility Information Form – all pages	Submit with Bid
	First-Tier Subcontractor Disclosure	Submit as per page 1
	Any additional items specified in Supplementary Instructions to Bidders.	Submit with Bid

The Bid Requirements checklist is provided for the Bidder’s convenience. Bidder is advised to thoroughly review ITB documents to be certain that it has met all requirements and included all required documents, forms and information in its Bid. In the event of a conflict between the Bid Requirements Checklist and other ITB Documents, other ITB Documents shall take precedence.

A. FIRST-TIER SUBCONTRACTOR DISCLOSURE

As per the form of first-tier subcontractor disclosure set forth in ORS 279C.370, Bidder shall submit to the City a disclosure of the first-tier subcontractors that:

- (a) Will be furnishing labor or will be furnishing labor and materials in connection with the public improvement contract; and
- (b) Will have a contract value that is equal to or greater than five percent of the total project Bid or \$15,000, whichever is greater, or \$350,000 regardless of the percentage of the total project base bid. Bidder must submit this documentation in accordance with Section 1, 1.08 and Section 3, 3.4.

B. BID SECURITY

Bid security shall accompany each Bid exceeding \$100,000 as per Section 1, 1.08, F.

C. OREGON CONSTRUCTION CONTRACTORS BOARD

Bidders shall be licensed with the Oregon Construction Contractors Board prior to bidding on this project.

D. BIDDER’S QUALIFICATIONS AND RESPONSIBILITY

Each Bidder shall submit a completed Bidder’s Responsibility Information Form along with its Bid. The Bidder’s Responsibility Information Form will be used to evaluate the qualifications of any Bidder whose Bid is under consideration for Contract Award (in addition to Bidder Pre-qualification, if applicable). Bidder’s responses to requirements in Supplementary Instruction to Bidders may also be utilized in this evaluation.

Prior to award and execution of a Contract, the City will evaluate whether the apparent successful Bidder meets the applicable standards of responsibility identified in ORS 279C.375 and OAR 137-49-0390. See also OAR 137-49-0440(1)(c)(H). In doing so, the City may investigate Bidder and request information in addition to that already required in this document, when the City, in its sole discretion, considers it necessary or advisable. Submission of a signed Bid shall constitute approval for the City to obtain any information that the City deems necessary to conduct the evaluation.

Bids will be evaluated to identify the lowest responsive Bid submitted by a responsible Bidder which is not otherwise disqualified. (Refer to ORS 279C.375 and OAR 137-49-0390. See also OAR 137-49-0440(1)(c)(H)).

The City may postpone the award of the Contract after announcement of the apparent successful Bidder in order to complete its investigation and evaluation. Failure of the apparent successful Bidder to demonstrate

responsibility shall render the Bidder non-responsible and shall constitute grounds for Bid rejection, as required under OAR 137-049-0390.

Any Bidder who fails to submit a complete Bidder Responsibility Information Form will be deemed to be non-responsive and will not be considered for Award of Contract.

If a Bidder is found not to be responsible, documentation of the reasoning will be sent to the Oregon Construction Contractor's Board (OCCB). Such documentation will be based upon the criteria set forth in ORS 279C.375(3).

1.04. CONTRACT REQUIREMENTS

A. PREVAILING WAGES

The selected Contractor and its subcontractors shall pay the applicable prevailing wages to their workers as required by ORS 279C.840. This ITB and the resulting Contract are subject to the following BOLI wage rate requirements and the prevailing wage rates set forth in the following booklets:

- (a.) The "Prevailing Wage Rates for Public Works Contracts in Oregon" dated January 1, 2015 and any applicable amendments to these rates.
- (b.) The "PWR Apprenticeship Rates" dated February 6, 2015 and any applicable amendments to these rates.

The complete publications may be found online at the BOLI website at:

http://www.oregon.gov/boli/WHD/PWR/Pages/pwr_state.aspx and are incorporated by reference.

B. DAVIS BACON ACT – FEDERALLY FUNDED CONTRACTS

This project is subject to the Davis-Bacon Act (40 U.S.C. 3141 et seq.), Federal Department of Labor Prevailing Wages. Yes: No: . If Yes, see Attachment B for applicable Prevailing Wage Rate information.

C. CONTRACT, BONDS AND INSURANCE

The successful Bidder must enter into a Contract with the City in the form included here as Attachment A. Agreement Form. The successful Bidder must obtain and maintain insurance and bonding as per Section 1, 1.11 A., Section 3, 3.7 Performance Bond, 3.8 Labor and Materials Payment Bond, and 3.6 Agreement Form. The successful Bidder shall obtain a Payment Bond and a Performance Bond issued by a surety which is authorized to transact surety business in the State of Oregon and which has an A.M. Best "A" or better rating.

D. WARRANTY BONDING

The selected Contractor will be required to provide the City a Warranty Bond.

YES: NO:

A Warranty Bond in the form provided herein as "3.9 Warranty Bond" is required for this project and must be provided by the Contractor before the final payment on the contract is issued by the City. The warranty security furnished by the Contractor for the work performed will be ten percent (10%) of the original contract amount. This security is to guarantee replacement and repair of the public improvements, provided by the Contractor under the contract, for a period of one (1) year following the issuance of the written Notice of Substantial Completion.

1.05. AVAILABILITY OF ITB DOCUMENTS

ITB documents may be obtained through area plan centers and on the City's website at www.hillsboro-oregon.gov/PublicWorksITB. Hard copy ITB documents may be obtained (\$15 non-refundable) or viewed at the City of Hillsboro, Public Works, Engineering Division, Hillsboro Civic Center, 150 E Main St, 4th Floor, Hillsboro, OR 97123.

Bidders obtaining documents from a plan center or other third party are advised that the City recognizes as plan holders only those bidders who have purchased documents from the City or those who have contacted the City at 503-681-6146 and requested to be placed on the plan holder's list.

1.06. ITB/PROJECT CONTACT

All questions, requests for clarification, requests for change, requests for substitution and any solicitation protests must be addressed to the ITB Contact shown on page 1 of this document.

1.07. SOLICITATION PROTEST; REQUEST FOR CHANGE; REQUEST FOR CLARIFICATION; REQUEST FOR BRAND NAME/PRODUCT SUBSTITUTION

A. PROCEDURE: Questions and clarification requests must be directed to the contact shown on page 1 of this ITB. The appropriate means of seeking changes to provisions of this ITB are through (a) requests for approval of an "approved equivalent" (b) requests for changes to contractual terms, Specifications, or Plans; and (c) protests of contractual terms, Specifications, or Plans.

Any Offer/Bid response that includes non-approved alternate product brands or products, that takes exception to the Specifications or Plans or contractual terms of the ITB may be deemed non-responsive and may be rejected.

B. METHOD OF SUBMITTING REQUESTS FOR CHANGES TO THIS ITB: Emailed or mailed requests must be marked as follows:

(a) Bid Request for Substitution Request (Request for Clarification, Request for Change, or Protest, whichever is applicable)

(b) ITB Number

Requests must be received by the contact listed on Page 1 of the ITB, in writing, either in hardcopy or by email, no later than the Request Deadline on the Schedule shown on Page 2 of the ITB. Unless this specific deadline is extended by subsequent Addenda, no requests for substitution, requests for clarification, requests for change, or protests pertaining to provisions contained in the originally-issued ITB will be considered after the date specified herein.

C. REQUEST FOR APPROVAL OF AN "APPROVED EQUIVALENT": Bidders shall provide the named product unless another is approved through a request for approval of an "or approved equal" or an "or approved equivalent, or a product exemption has been issued (ORS 279C.345). Other brands of equal quality, merit and utility will be considered upon proper submittal of the request with appropriate documentation:

(a) Requests must provide all of the information necessary for the City to determine product acceptability.

(b) Failure to provide sufficient information with the request will cause the request to be considered not equivalent.

(c) Any product subsequently approved for substitution will be listed on an Addenda issued by the City and posted on ORPIN.

(d) Bidders are advised to use the "Substitution" form for such requests. (Section 3, 3.3A).

D. REQUEST FOR CLARIFICATION: Any Bidder who finds discrepancies in, or omissions from, any provision of the ITB, Plans, Specifications, or Contract Documents, or has doubt as to the meaning, shall make a request for clarification in writing, to the contact listed on Page 1 of the ITB. To be considered, the request for clarification must be received by the Request Deadline as specified in 1.06 B.

E. REQUEST FOR CHANGES TO CONTRACTUAL TERMS OR SPECIFICATIONS OR PLANS: Any Bidder may submit a request for changes to contractual terms, Plans, or Specifications, in writing, to the contact listed on Page 1 of the ITB. To be considered, the request for changes must be received by the Request Deadline specified in 1.06 B. above. The request must include the specific changes requested, and the reason for requested changes supported by factual documentation, and any proposed changes.

- F. PROTEST OF CONTRACT TERMS AND CONDITIONS OR SPECIFICATIONS: Any Bidder may submit a protest of solicitation terms and conditions, in writing, in accordance with OAR 137-049-0260 to the contact listed on Page 1 of the ITB. To be considered, the protest must be received by the deadline specified in 1.07 B. above. The protest shall include the legal and factual grounds for the protest, a description of the resulting prejudice to the Bidder if the protest is not granted, and a statement of the relief or changes proposed.
- G. RESPONSE TO REQUESTS FOR CLARIFICATION: Clarifications, whether verbal, or in writing, or included in an addendum as "*clarification*", do not change Plans, Specifications, contractual terms, or procurement requirements of an ITB. If a request for clarification raises an issue that the City determines should be handled by formally amending the ITB, the City will do so only by announcing such a change in an Addendum, not through information identified as a "clarification."
- H. RESPONSE TO REQUESTS FOR BRAND APPROVAL, REQUESTS FOR SUBSTITUTION, REQUESTS FOR CHANGE, AND PROTESTS: The City shall promptly respond to each properly-submitted written request for brand approval, request for substitution, request for change, and protest no less than 72 hours before Closing. Where appropriate, the City will issue ITB revisions via Addendum posted on the City website and send to all parties on the plan holders list via fax and certified mail.

Failure to protest solicitation terms and conditions, contract terms and conditions or specifications, as indicated in this section, precludes appeal or protest of a decision to award based upon such solicitation terms and conditions, contract terms and conditions or specifications.
- I. PROTEST OF ADDENDUM: Requests for clarification, requests for change and protests of Addendum must be received by the time and date specified in the Addendum or they will not be considered.

1.08. OFFER FORMAT AND BID SUBMISSION

A. FORMS TO BE USED

Bids shall be submitted on unaltered Bid Forms furnished by the City, or on exact duplicates thereof. Bids shall be made in accordance with all instruction, requirements and specification to be considered. All blanks on Bid Forms shall be completed in ink or typewritten. Alterations and erasures shall be initialed by the signatory of the Bid.

A Bidder shall not make their Bid contingent upon the City's acceptance of Specifications, Plans or Contract terms that conflict with or are in addition to those in the ITB documents.

B. REQUIRED SIGNATURES

Bids shall be signed in ink, with the signer's name typed or printed in the space provided. Where Bidder is a corporation, Bids shall be signed with the legal name of the corporation and the legal signature of an officer authorized to bind the corporation to a contract. Digital signatures are not acceptable. At least one Bid submitted by Bidder must bear an original signature.

C. NUMBER OF COPIES

Bidders shall submit one (1) original Bid.

D. SEALED BIDS

Sealed Bids will be received at the location shown on page 1 and by the Contact shown on page 1.). All Bids shall be time stamped no later than the Due Date and Time shown on page 1.

Bids must be submitted in a sealed envelope appropriately marked with the Bid Title, Bid Number, and the name of the Bidder.

It is the sole responsibility of the Bidder to assure that the Bid is delivered and time stamped at the location shown on page 1 by the deadline specified. All late Bids shall be rejected.

E. STATE OCCB REGISTRATION REQUIREMENTS

Bidders shall be licensed with the Oregon Construction Contractors Board prior to bidding on this project. Failure to comply with this requirement shall result in Bid rejection. Bidders shall insert Bidder's current, valid registration number and expiration date thereof in the spaces provided on the Bid Form. Landscaping

contractors and all subcontractors participating in this project shall be licensed respectively, by the State Landscape Contractors Board, as required by ORS 671.530 and the Oregon Construction Contractors Board, as required by ORS 701.026, at the time they propose to engage in subcontract work. Any Bid received from a Bidder identified by the Oregon Construction Contractors Board as ineligible to hold public contracts in accordance with ORS 701.227 shall be disqualified from consideration.

F. BID SECURITY: Each Bid exceeding \$100,000 shall be accompanied by Bid security in the form of:

- (a) a Bid bond as set forth in Section 3,
- (b) an irrevocable letter of credit issued by an insured institution as defined in ORS 706.008, or
- (c) a certified check or cashier's check,

Such Bid security must be in an amount equal to ten percent (10%) of the total amount of the submitted Bid, which has been executed in favor of the City of Hillsboro, 150 E. Main St., Hillsboro OR 97123.

Bid security of the successful Bidder will be returned or released after the Bidder's written Contract, Performance Bond, Payment Bond, and required certificates of insurance have been promptly and properly executed, delivered to, and accepted by the City. If the successful Bidder fails to (1) promptly and properly execute the Contract, (2) furnish a good and sufficient Performance Bond and a good and sufficient Payment Bond, and/or (3) furnish required certificates of insurance within seven (7) calendar days of the written notification of intent to award a Contract, then the City may cash the check, draw under the letter of credit or otherwise collect under the Bid security.

The City reserves the right to retain the Bid security of the next two (2) lowest Bidders until the successful Bidder has been awarded a Contract or until no more than 60 days after Bid opening, whichever is shorter. Bid security of all other Bidders will be returned as soon as practicable after Bid opening.

G. MODIFICATION OR WITHDRAWAL OF BID

After submittal, Bids may be modified or withdrawn on written request received from Bidders prior to the Bid Closing. Modifications shall be sealed and submitted in same manner as the Bid. Offers may also be withdrawn in person before Closing upon presentation of appropriate identification and evidence of authorization to act for Bidder to the Contact listed on page 1 of this ITB.

Bids may not be modified or withdrawn after closing except as provided in ORS 279C and City's Public Contracting Rules.

H. DURATION OF BIDS

Each Bid shall be irrevocable for a period of 60 days from the date of Bid. Award of a Contract to any Bidder shall not constitute rejection of any other Bid.

The City may request that Bidders extend, in writing, the time during which the City may consider their Bids. If a Bidder agrees to such an extension, the Bid shall continue as a firm Offer, irrevocable, valid and binding on the Bidder for the agreed upon extension period.

I. RESIDENT BIDDER

Bidder shall indicate on the Bid Form whether Bidder is a "resident bidder" as defined in ORS 279A.120. A "nonresident bidder" means a Bidder who has neither paid unemployment taxes nor income taxes in the State of Oregon during the 12 calendar months immediately preceding submission of its Bid, nor has a business address in the State of Oregon.

In determining the lowest responsive Bidder for this Work, a percentage may be added to the Bid of a non-resident Bidder equal to the percentage, if any, of the preference given to that Bidder in the state in which the Bidder resides. This percentage, if utilized, shall not be added to the dollar value of Contract to be awarded as a result of this ITB.

J. LIST OF FIRST-TIER SUBCONTRACTORS

In accordance with ORS 279C.370, Bidders are required to complete and submit the first-tier subcontractor disclosure form, provided as Section 3, form 3.4, within two (2) hours of the Bid Closing Date and time.

K. ACCEPTANCE OF CONDITIONS/SITE VISITATION

The Bidder, by making a Bid, represents that:

- (a) The Bidder has read and understands the Bid documents and the Bid is made in accordance with the Bid documents.
- (b) The Bidder has visited each project site, become familiar with the local conditions under which the Work is to be performed, and has correlated the Bidder's personal observations with the requirements of the proposed Contract Documents.
- (c) The Bid is based upon the materials, equipment, systems, required by the Bid documents without exceptions.

L. RESERVATIONS

1. The City reserves the following rights:

- (a) To reject all Bids.
- (b) To reject any Bid not in compliance with all prescribed public bidding procedures and requirements, including the requirement to demonstrate the Bidder's responsibility under ORS 279C.375(3)(b), and to reject for good cause any or all Bids upon a finding that it is in the public interest to do so.
- (c) To reject Bids which it determines to be non-responsive.
- (d) To reject Bids upon the City's finding that the Bidder:
 - i. Has been declared ineligible under ORS 279C.860 by the Commissioner of Bureau of Labor and Industries
 - ii. Has been identified by the Oregon Construction Contractors Board as ineligible to hold public contracts in accordance with ORS 701.227; or
 - iii. Is not responsible.
- (e) To waive any informalities in Bids submitted.
- (f) In the event two or more Bidders quote identical amounts for the same Work, to award the contract by drawing lots between such Bidders or by such other means as it deems appropriate.
- (g) To return the Bid unopened, in the event only one Bid is received.

M. ASBESTOS ABATEMENT

Work to be performed under the contract will not require the Bidder or any subcontractors to be licensed for asbestos abatement work under ORS 468A.720.

1.09. BID EVALUATION

A. BID EVALUATION CRITERIA

Bids will be evaluated to identify the lowest responsive Bid submitted by a responsible Bidder and not otherwise disqualified. (Refer to OAR 137-049-0390 and 137-049-0440). Adjustments made to account for reciprocal preferences will be for Bid evaluation purposes only. No such adjustments shall operate to amend a Bid or any Contract awarded pursuant thereto.

B. RESPONSIVENESS:

To be considered responsive, the Bidder must substantially comply in all material respects with applicable solicitation procedures and requirements and the solicitation documents. In making such evaluation, City may waive minor informalities and irregularities.

C. RESPONSIBILITY:

Prior to award of a Contract, City will evaluate whether the apparent successful Bidder meets the applicable standards of responsibility identified in OAR 137-049-0390. See also, OAR 137-049-0440(1)(C)(h). In doing so, City may investigate Bidder and request information in addition to that already required in the ITB, when City in its sole discretion, considers it necessary or advisable.

D. OREGON PREFERENCE:

Awards shall be subject to preference for goods or services that have been produced or manufactured in Oregon, if price, fitness, availability and quality are otherwise equal (ORS 279A.120); See also; OAR 137-046-0300.

E. RECIPROCAL PREFERENCE:

Solely for the purpose of evaluating offers, City will add a percent increase to the Bid of a non-resident Bidder equal to the percent, if any, of the preference given to the Bidder in the state in which the Bidder resides. For example, if the Bidder is from a state that grants a ten (10) percent preference to local Bidders, City will add ten (10) percent to that Bidder's Bid price. (OAR 137-046-0310).

F. PROCESSING OF BIDS:

Neither the release of a Bid Security, nor acknowledgment that the selection process is complete (whether by posting of a Bid tabulation sheet, issuance of notice intent to award, or otherwise), shall operate as a representation by City that any Bid submitted was complete, sufficient, lawful in any respect, or otherwise in substantial compliance with the ITB requirements.

G. WITHDRAWAL BY CITY OF BID ITEMS PRIOR TO AWARD:

City reserves the right to delete Bid items. The deletion of one or more Bid items will not affect the method of award.

H. NOTICE OF INTENT TO AWARD

The Notice of Intent to Award shall serve as notice to all Bidders that the City intends to make a contract award.

1.10. PROTEST OF INTENT TO AWARD

A. PROTEST OF INTENT TO AWARD

Adversely affected or aggrieved Bidders shall have **seven (7) calendar** days from the date of the Notice of Intent to Award within which to file a written protest of award. Protests received after that date will not be considered. Protests must specify the grounds upon which the protest is based.

1. Protests must be sent to:

Purchasing Manager
Finance Department
City of Hillsboro
150 E. Main St.
Hillsboro, OR 97123

2. In order to be an adversely affected or aggrieved Bidder, the Bidder must claim to be eligible for award of the Contract as the lowest responsible and responsive Bidder and that any and all lower Bids are ineligible to receive Contract award.
3. An actual Bidder who is adversely affected or aggrieved by the award of the Contract to another Bidder may protest award, in writing, within the timeline established. The written protest shall state the grounds upon which the protest is based. No protest of award shall be considered after the deadline.
4. Pursuant to OAR 137-049-0260, no protest against award shall be considered because of the content of Bid Specifications, Plans, or contract Terms after the deadline established for submitting protests of Bid Specifications, Plans or Contract Terms.

B. RESPONSE TO INTENT-TO-AWARD PROTESTS:

The City Manager will respond in writing to intent-to-award protests submitted by adversely-affected or aggrieved Bidders. City may also respond to intent-to-award protests submitted by other Bidders for purposes of clarification. However, any response provided by City is not intended to, and shall not in and of itself constitute, confirmation that the bidder is, in fact, adversely affected or aggrieved, and therefore entitled to protest an intent to award, or that the protest was timely filed.

C. AWARD

After expiration of the intent-to-award protest period, and resolution of all protests, City will proceed with final award. (If City receives only one Bid, City may dispense with the intent-to-award protest period and proceed with award of a Contract.)

1.11. INFORMATION TO BE PROVIDED BY THE SUCESSFUL BIDDER: CONTRACT, BONDS AND INSURANCE

A. CONTRACTOR CONTRACT EXECUTION

Within 10 days after receipt of Notice of Intent to Award, the successful Bidder shall be prepared to execute the Contract provided by the City. The City contract form is provided as Part A, Attachment A. of this ITB. At the same time, the successful Bidder shall furnish City: a Performance Bond, a Payment Bond, and all required Certificates of Insurance. Prior to starting work under the Contract, the selected Bidder shall provide a performance bond and a payment bond each issued by a surety satisfactory to the City, in an amount equal to the full dollar value of the Contract for the faithful performance of the Contract and all provisions thereof.

B. CITY CONTRACT EXECUTION

After receipt and acceptance of the properly executed Contract, Performance Bond, Payment Bond, and Certificates of Insurance, the City will execute the Contract and issue a Notice to Proceed. No work shall be performed until the Contract is fully executed and a written Notice to Proceed is issued.

C. FAILURE TO EXECUTE

A successful Bidder who fails to execute the Contract or furnish the Performance Bond, Payment Bond and provide Certificates of Insurance in the time and manner indicated herein shall forfeit its Bid security.

D. PUBLIC WORKS BOND

Before starting Work the successful Bidder shall file with the Oregon Construction Contractors Board, and maintain in full force and effect, the separate public works bond required by ORS 279C.836, unless otherwise exempt under those provisions. The successful Bidder shall also include in every subcontract a provision requiring the subcontractor to have a public works bond filed with the Oregon Construction Contractors Board before starting Work, unless otherwise exempt, and shall verify that the subcontractor has filed a public works bond before permitting the subcontractor to start Work.

A disadvantaged, minority, women or emerging small business enterprise certified under ORS 200.055 may, for up to four years after certification, elect not to file a public works bond as required under Section 279C.836 (1). If a business enterprise elects not to file a public works bond, the business enterprise shall give the Oregon Construction Contractors Board written verification of the certification and written notice that the business enterprise elects not to file the bond.

Questions regarding the public works bond may be directed to BOLI at the BOLI website (www.oregon.gov/BOLI) or at the following address:

Bureau of Labor and Industries
Wage and Hour Division
Prevailing Wage Unit
800 N.E. Oregon Street, #32
Portland, Oregon 97232

E. JOINT VENTURE/PARTNERSHIP INFORMATION

The successful Bidder, if a Joint Venture/Partnership, shall provide a copy of the joint venture agreement or partnership agreement evidencing authority to Offer and enter into the resulting Contract that may be awarded, together with corporate resolutions (if applicable) evidencing corporate authority to participate as a joint venture or partner. A contact person must also be designated for purposes of receiving all notices and communications under the Contract. All partners and joint venture members will be required to sign the awarded Contract.

1.12. COMPLIANCE WITH LAW

The selected Contractor shall be required to comply with the City's standard construction contract provisions as provided in Attachment A. In addition, the selected contractor shall comply with and require its subcontractors to comply with all applicable provisions of federal, state and local laws, statutes, ordinances, codes, orders, rules and regulations which pertain to the work specified in this ITB.

1.13. MINORITY-OWNED, WOMEN-OWNED AND EMERGING SMALL BUSINESSES (MWESB)

Minority-owned, Women-owned and Emerging Small Businesses (MWESB) are encouraged to respond to this ITB. All Bidders are encouraged to contact and seek sub-bids from MWESB subcontractors. MWESB subcontractors are encouraged to attend any pre-proposal conferences.

PART A:

SECTION 2 – SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

This section is not applicable to this ITB.

SECTION 3 – FORMS

3.1 BID FORM

BID FORM (PAGE 1 OF 4)

CITY OF HILLSBORO, OREGON

INVITATION TO BID NO. 20552222-6102

2015 Pavement Management Program: Crack Seals and Overlays & AC Replacements

The undersigned hereby certifies that Bidder: <Insert Bidder name>, <CCB#>

1. Has the authority and/or responsibility to submit a Bid and to represent the organization in all phases of this Bid process.
2. The information is true and accurate to the best of their knowledge.
3. Shall furnish, in strict compliance with the Bid and Contract Documents for the above-referenced Project, all labor, materials, equipment, apparatus, appliances, tools, transportation, and other facilities and services necessary to perform the Work described therein, and to perform said Work in strict compliance therewith, for the amounts set forth in this Bid.
4. Is a Resident Bidder, Non-Resident Bidder, as defined in ORS 279A.120

A “non-resident bidder” is a Bidder who has neither paid unemployment taxes nor income taxes in the State of Oregon during the 12 calendar months immediately preceding submission of this Bid, nor has a business address in the State of Oregon.

In determining the lowest responsive Bidder for this Work, a percentage may be added to the Bid of a non-resident Bidder equal to the percentage, if any, of the preference given to that Bidder in the state in which the Bidder resides. This percentage, if utilized, will not be added to the dollar value of the contract to be awarded as a result of this ITB.

5. Understands any false statement may disqualify this Bid from further consideration or be cause for contract termination.
6. Has read, understands and agrees to be bound by all terms and conditions herein.
7. Understands by submitting this Bid, the undersigned certifies conformance to the applicable Federal Acts, Executive Orders and Oregon Statutes and Regulations concerning Affirmative Action toward equal employment opportunities. All information and reports required by the Federal or Oregon State Governments, having responsibility for the enforcement of such laws, shall be supplied to the City upon request for purposes of investigation to ascertain compliance with such acts, regulations, and orders.
8. **Acknowledges Receipt of Addenda No's. _____ through _____ inclusive.**

Please check the applicable box regarding Bid security:

- Bid security in form of cashier's check , certified check , Bid bond in the form set forth in Section 3., 3.2 , irrevocable letter of credit issued by an insured institution as defined in ORS 706.008 (check applicable clause) in the amount of ten percent (10%) of the total amount of the submitted Bid, which has been executed in favor of City of Hillsboro, 150 E. Main St. , Hillsboro OR 97123, is enclosed.
- Bid Price is for \$100,000 or less; therefore, Bid security is not required.

2015 PAVEMENT MANAGEMENT PROGRAM (#20552222-6102)

SCHEDULE "A": CRACK SEALS

The bidder proposes to furnish all equipment, materials, and labor required to complete preparation and placement of approximately **169,717** linear feet of polymer modified asphalt rubber sealant to repair and reseal cracks in flexible pavements and associated work.

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Move-in, Bond, Insurance, Clean Up, All Streets	L.S.	All		
2	Traffic Control (including permits) and Public Notification, All Streets	L.S.	All		
3	Crack Preparation and Application of Polymer Modified Asphalt Rubber Sealant, All Streets	L.F.	169,717		
				TOTAL	

METHOD OF AWARD: Award shall be made to the lowest responsive and responsible bidder for the total of the items selected for award. Award shall be made to one bidder and one bidder only. The City reserves the right to withdraw any items(s) from award if it is in the best interest of the City to do so.

**2015 PAVEMENT MANAGEMENT PROGRAM (#20552222-6102)
SCHEDULE "B": OVERLAYS & AC REPLACEMENTS**

The bidder proposes to furnish all equipment, materials, and labor required to complete the removal/replacement of approximately **31,021** square yards of defective pavement with approximately **5,681 tons** of asphalt concrete including excavation, pavement repair, grinding, approximately **34** sidewalk ramp replacements, striping and associated work.

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Move-in, Bond, Insurance, Clean Up, All Streets	L.S.	All		
2	Traffic Control (including temporary lane marking) and Public Notification, All Streets	L.S.	All		
3	Street Preparation (including surface cleaning, removal of thermoplastic tape and reflective markers, and de-vegetation), all streets	L.S.	All		
4	Utility Adjustments				
	A. Manholes	EA.	49		
	B. Water Valves	EA.	12		
	C. Catch Basins	EA.	3		
5	Reconstruct Existing Manhole	EA.	1		
6	Survey Monument Boxes				
	A. Adjust Survey Monument Box	EA	1		
	B. New Survey Monument Box	EA	7		
7	2" Depth Grind	SQ.YD.	17,467		
8	3" Depth Grind	SQ.YD.	4,419		
9	4" Depth Grind	SQ.YD.	3,763		
10	5" Depth Grind	SQ.YD.	1,605		
11	Asphalt Concrete Removal and Preparation	SQ.YD.	3,767		
12	Asphalt Concrete Replacement	Ton	1,258		
13	2" Level 2, 1/2" Dense Graded Asphalt Concrete	Ton	1,054		
14	2.5" Level 2, 1/2" Dense Graded Asphalt Concrete	Ton	2,328		
15	3" Level 2, 1/2" Dense Graded Asphalt Concrete	Ton	1,041		
16	3/4" Minus Shoulder Rock	Ton	85		
17	Subgrade Stabilization	CY.YD.	146		
18	Install/Replace Pavement Markings per Manual of Uniform Traffic Control Devices				
	A. 4" Yellow, Cold Tape Inlay	LF	4,108		
	B. 12" White, Cold Tape Inlay	LF	523		
	C. 8" White, Cold Tape Inlay	LF	3,424		
	D. Bicycle Symbol w/Arrow, Cold Tape Inlay	EA.	9		
	E. Left Turn Arrow, Cold Tape Inlay	EA.	8		
	F. Reflective two-way yellow raised pavement markers	EA.	84		
	G. Reflective two-way blue raised hydrant pavement markers	EA.	15		
	H. Reflective two-way white raised pavement markers	EA.	8		
19	Sawcut & Seal Bridge Joints	LF	100		
20	Remove/Replace Commercial PCC Driveway w/Truncated Domes	S.F.	210		
21	Concrete Sidewalk	S.F.	1,320		
22	Remove/Replace Sidewalk Ramps w/Truncated Domes	EA.	34		
23	Remove/Replace Curb	LF	2		
24	Remove/Replace Curb & Gutter	LF	174		
25	Remove/Replace Residential PCC Driveway w/Truncated Domes	S.F.	144		
26	Remove/Replace Residential PCC Driveway	S.F.	462		
				TOTAL	

METHOD OF AWARD: Award shall be made to the lowest responsive and responsible bidder for the total of the items selected for award. Award shall be made to one bidder and one bidder only. The City reserves the right to withdraw any items(s) from award if it is in the best interest of the City to do so.

Bidder Name: _____

BID FORM (PAGE 4 OF 4)

REPRESENTATIONS AND CERTIFICATIONS

Bidder shall submit 3.5 Bidder’s Responsibility Information Form as per Section 1, 1.03 along with the Bid Form and any other required Bid submittals.

BIDDER’S EMPLOYERS FEDERAL TAX IDENTIFICATION NUMBER (EIN) < >

OR

SOCIAL SECURITY IDENTIFICATION NUMBER < >

State of Oregon Certified Minority-owned, Women-owned or Emerging Small Business YES NO

IF YES, PROVIDE CERTIFICATION NUMBER < >

The undersigned hereby certifies under penalty of perjury that to the best of my knowledge the Bidder does not discriminate in its employment practices with regard to race, creed, age, religious affiliation, sex, disability, sexual orientation, or national origin. Nor has Bidder or will Bidder discriminate against a subcontractor in the awarding of a subcontract because the subcontractor is:

- A minority-owned, women-owned, or emerging small business enterprise certified under ORS 200.055, or
- A business enterprise that is owned or controlled by or that employs a disabled veteran, as defined in ORS 408.225.

If awarded, the Bidder (Contractor) agrees to be bound by and will comply with the provisions of 279C.838, 279.840 or 40 U.S.C. 3141 to 3148.

The undersigned hereby certifies under penalty of perjury that to the best of my knowledge the Bid was prepared independently from all other Bidders, and without collusion, fraud, or other dishonesty.

The Bid submitted is in response to the specific language contained in the ITB, and Bidder has made no assumptions based upon either (a) verbal or written statements not contained in the ITB, or (b) any previously-issued ITB, if any.

The undersigned hereby certifies that Bidder has the authority and/or responsibility to submit a Bid and to represent the Bidder in all phases of this Bid process.

Bidder’s (Company) Name: < >

Date: < >

CCB#: < >

Signature _____

Name < >

Title < >

Street Address < >

City < >

State < > Zip < >

Phone < >

E-Mail < >

FAILURE TO COMPLETE, SIGN AND SUBMIT THIS FORM MAY BE CAUSE FOR BID REJECTION. ELECTRONIC SIGNATURES NOT ACCEPTED.

3.2 FORM OF BID BOND

We, _____ as "Principal," and _____
(Name of Principal) (Name of Surety)

an _____ Corporation,

authorized to transact Surety business in Oregon, as "Surety," hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns to pay unto City of Hillsboro, 150 E. Main St., Hillsboro, OR 97123 ("Obligee") the sum of

(\$ _____) _____ dollars.

WHEREAS, the condition of the obligation of this bond is that Principal has submitted its proposal or Bid to the Obligee in response to Obligee's procurement document (_____) for the project identified as:

Title:

_____ which proposal or Bid is made a part of

this bond by reference, and Principal is required to furnish Bid security in an amount equal to ten (10%) percent of the total amount of the Bid pursuant to ORS 279C.365(5) and the procurement document.

NOW, THEREFORE, if the proposal or Bid submitted by Principal is accepted, and if a contract pursuant to the proposal or Bid is awarded to Principal, and if Principal enters into and executes such contract within the time specified in the procurement document and executes and delivers to Obligee its good and sufficient performance bond and payment bond required by Obligee within the time fixed by Obligee, then this obligation shall be void; otherwise, it shall remain in full force and effect.

IN WITNESS WHEREOF, we have caused this instrument to be executed and sealed by our duly authorized legal representatives this _____ day of _____ 20____

PRINCIPAL: By _____ <div style="text-align: center;">Signature</div>	BY ATTORNEY-IN-FACT: <i>Power-of-Attorney must accompany each surety bond</i> _____ <div style="text-align: center;">Name</div>
Attest: _____ <div style="text-align: center;">Official Capacity</div>	_____ <div style="text-align: center;">Signature</div>
SURETY: _____ <div style="text-align: center;">Corporation Secretary</div>	_____ <div style="text-align: center;">Address</div>
_____ <div style="text-align: center;">City</div>	_____ <div style="text-align: center;">State</div>
_____ <div style="text-align: center;">Phone</div>	_____ <div style="text-align: center;">Fax</div>

3.3 SUBSTITUTION REQUESTS

REQUEST FOR BRAND NAME/PRODUCT SUBSTITUTION

3.01. SUBSTITUTION REQUEST

- A. During Bidding, the City will consider written Substitution Requests received up to the Request Deadline shown on page 2 of this ITB. Requests received after that time **will not** be considered.
- B. Submit a written request using the substitution request form included on the next page. Submit the form in hard copy or by email to the contact on page 1 of this ITB by the Request Deadline.
- C. Prepare separate requests for each product.
- D. Combined requests may not be considered.
- E. In making Substitution Requests, Bidder represents:
 - 1. Bidder has personally investigated proposed product or method, and determined that it is equal or superior in all respects to that specified.
 - 2. Bidder will provide the same guarantee for substitution as for product or method specified.
 - 3. Bidder will coordinate installation of accepted substitution into Work, making such changes as may be required for Work to be completed in all respects.
 - 4. Bidder waives all claims for additional costs related to substitutions which consequently become apparent.
- F. All accepted substitutions will be confirmed by inclusion in an addendum. Items not appearing in such addendum shall be deemed rejected.

3.02. SUBSTITUTION REQUEST FORM

- A. The Substitution Request Form is included on the next page.

City of Hillsboro

3.3A SUBSTITUTION REQUEST FORM

TO: 2015 Pavement Management Program: Crack Seals and Overlays & AC Replacements

ITB NUMBER/TITLE: < >

SPECIFIED < >
ITEM/PRODUCT:

Page No. []

Item/Product No. []

Description []

PROPOSED SUBSTITUTION:

Attached data includes manufacturer’s product description, specifications, drawings, photographs, performance and test data, and includes, when requested by the City, one (1) sample adequate for evaluation of the request including identification of applicable data portions.

Attached data also includes the description of changes to Contract Documents and the requirements of the proposed substitution for proper installation.

The undersigned certifies the following items, unless modified by attachments, are correct:

1. Proposed substitution does not affect dimensions shown (only if supplied with Bid documents).
2. Undersigned pays for changes to building/equipment design, including engineering design, detailing, and proposed substitution has no adverse effect on other trades, construction schedule, or specified warranty requirements.
3. Maintenance and service parts are available locally or are readily obtainable for the proposed substitution.

Undersigned further certifies function, appearance, and quality of proposed substitution are equivalent or superior to specified item.

Undersigned agrees, if this page is reproduced, terms and conditions for substitutions found in Bidding Documents apply to this proposed substitution.

Request Submitted by:

Name (Printed or typed)

Signature

Vendor Name

Street Address

City, State, Zip

Date

Telephone Number

Email

Fax Number

Architect Approval:

<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as noted
<input type="checkbox"/> Not Approved	<input type="checkbox"/> Received too late
By _____	
Date _____	
Remarks:	

For use by: City Staff

<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as noted
<input type="checkbox"/> Not Approved	<input type="checkbox"/> Received too late
By _____	
Date _____	
Remarks:	

City of Hillsboro

3.4 FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM

TITLE/PROJECT NAME: 2015 Pavement Management Program: Crack Seals and Overlays & AC Replacements

ITB #: 20552222-6102

BID CLOSING DATE: April 2, 2015

TIME: 2:00PM

This form must be submitted at the location specified in the Invitation to Bid on the advertised Bid Closing Date and within two hours after the advertised Bid Closing Time ("Disclosure Deadline"). List below the name of each subcontractor that will be furnishing labor or will be furnishing labor and materials and that is required to be disclosed, the category of work and the dollar value of the subcontract. Enter the word "NONE" if there are no first-tier subcontractors subject to disclosure. ATTACH ADDITIONAL SHEETS IF NECESSARY.

NAME	CATEGORY OF WORK	DOLLAR VALUE
1.		\$
2.		\$
3.		\$

The above listed first-tier subcontractor(s) are providing labor or labor and materials with a Dollar Value equal to or greater than:

- a. 5% of the total project Bid, or \$15,000, whichever is greater. [If the Dollar Value is less than 15,000.00, do not list the subcontractor above.]; or
- b. \$350,000 regardless of the percentage of the total Contract Price.

FAILURE TO SUBMIT THIS FORM BY THE DISCLOSURE DEADLINE WILL RESULT IN A NON-RESPONSIVE BID AND SUCH NON-RESPONSIVE BID WILL NOT BE CONSIDERED FOR AWARD.

Bids which are submitted by Bid Closing, but for which the disclosure submittal has not been made by the specified deadline, are NOT Responsive and shall NOT be considered for Contract award.

Form submitted by (Bidder Name): < _____ >

CCB#: < _____ >

Contact Name and phone number: CONTACT SHOWN ON PAGE 1 OF THIS ITB.

Deliver Form to Agency: CITY OF HILLSBORO, DEPARTMENT, CONTACT AND ADDRESS AS SHOWN ON PAGE 1 OF THIS ITB.

Person Designated to Receive form: CONTACT SHOWN ON PAGE 1 OF THIS ITB.

Agency's Address: 150 E Main St. Hillsboro, OR 97123

UNLESS OTHERWISE STATED IN THE ORIGINAL SOLICITATION, THIS DOCUMENT SHALL NOT BE FAXED. IT IS THE RESPONSIBILITY OF BIDDERS TO SUBMIT THIS DISCLOSURE FORM AND ANY ADDITIONAL SHEETS, WITH THE BID NUMBER AND PROJECT NAME CLEARLY MARKED, AT THE LOCATION INDICATED BY THE SPECIFIED DISCLOSURE DEADLINE. SEE INSTRUCTIONS TO BIDDERS.

City of Hillsboro
3.5 BIDDER'S RESPONSIBILITY INFORMATION FORM

BIDDER MUST COMPLETE ALL PAGES OF THIS FORM.

Bidder Name: **CCB #:**

This form is designed for electronic use. It may also be completed by hand. Use additional pages as needed to provide full and complete responses.

1. **EXPERIENCE:** List the number of years Bidder has been operating its business under its current license. If Bidder's business has been in continuous existence under a current active license and a previous license number, then identify the previous license number. List and briefly describe a minimum of Insert three (3) or another reasonable number of projects similar projects performed by Bidder in the past Insert five (5) years or another reasonable time period years that best characterize Bidder's capabilities. Include relevant data such as the type of work involved and project dates. Describe how Bidder meets this experience requirement (use separate sheet if additional space is needed):

2. **LAWSUITS/JUDGMENTS:** Within the past 5 years, has Bidder had any lawsuits filed against it involving contract disputes? For the purposes of this request, "lawsuits" include requests for arbitration and "judgments" includes arbitration awards. YES / NO If "YES" indicate dates and ultimate resolution of suit (with regard to judgments, include jurisdiction and date of final judgment or dismissal.)

3. **BANKRUPTCY:** Within the past 36 months, has Bidder filed a bankruptcy action, filed for reorganization, made a general assignment of assets for the benefit of creditors, or had an action for insolvency instituted against it? YES / NO If "YES" supply filing dates, jurisdictions, type of action, ultimate resolution, and dates of judgment or dismissal, if applicable.

4. **LAWSUITS BY CREDITORS:** Within the past 24 months, has Bidder had any lawsuits filed against it by creditors? YES / NO If "YES" indicate dates and ultimate resolution of suit (with regard to judgments include jurisdiction and date of final judgment or dismissal).

5. **OREGON CONSTRUCTION CONTRACTORS BOARD LICENSING:** Is Bidder licensed with the Oregon Construction Contractors Board at the time Bidder submits a Bid for the Work under this ITB? YES / NO If "YES" indicate Oregon Construction Contractors Board license number and expiration date.

6. **ABILITY TO PERFORM WITHIN TIME SPECIFIED:** List the project titles, original contract time and change order extensions for three specific projects in the past five (5) years. Bidder shall document that it achieved substantial completion of such three projects of similar size and scope within no more than 105% of the final contracted time for completion (including change ordered adjustments). If the Bidder cannot document three such projects, the Bidder may submit alternative documentation of one or more similar projects where the Bidder did not achieve substantial completion within 105% of the final contract time, a calculation of the total percentage of time over the final contract time necessary to achieve substantial completion, and an explanation as to why the required additional time was beyond the Bidder's control.

City of Hillsboro
3.5 BIDDER'S RESPONSIBILITY INFORMATION FORM

BIDDER MUST COMPLETE ALL PAGES OF THIS FORM.

Bidder Name:

7. DEBARMENT: Has Bidder been debarred by any public agency within the past two (2) years?
YES / NO If "YES" identify the public agencies.

8. NON-COMPLETION: Has Bidder failed to complete a contract in the last five (5) years? YES / NO If "YES" identify the project(s).

9. COMPLETION BY SURETY: Has Bidder ever defaulted on a contract forcing a surety to suffer a loss? YES / NO If "YES" identify the project(s).

10. SUSPENSION, DISMISSAL, DEFAULT: Has Bidder been suspended, dismissed or declared in default from a project during the last five (5) years? YES / NO If "YES" identify the project(s) and the type of action taken against Bidder.

11. BONDABILITY REQUIREMENT: For the project described under this ITB, Bidder shall obtain payment bond and performance bond issued by a surety which is authorized to transact surety business in the State of Oregon and which has an A.M. Best "A" or better rating. YES / NO If "YES" identify name of surety, contact name, address, phone number, & email address.

12. LIENS AND SURETY CLAIMS: Have there been any liens or surety claims against Bidder's company on any contracts which have been performed or are in the course of being performed?
YES / NO If "YES" identify the project and explain the nature of the claims.

13. REVOKED LICENSE: Has Bidder's company or any key person in the company, had a license revoked by the Oregon Construction Contractors Board? YES / NO If "YES" explain the underlying reason for the revocation of the license.

14. CRIMINAL OFFENSE: Has Bidder's company or any key person in the company been convicted of a crime involving fraud, material misrepresentation or any crime involving the awarding of a contract for a government construction project or the bidding or performance of a government contract? YES / NO

15. DEMAND ON PERFORMANCE BOND: In the last five years, has an owner ever made a demand on your performance bond?
YES / NO

City of Hillsboro
3.5 BIDDER'S RESPONSIBILITY INFORMATION FORM

BIDDER MUST COMPLETE ALL PAGES OF THIS FORM.

Bidder Name:

16. TERMINATION OF BONDING/INSURANCE COVERAGE: In the last five years, has a surety or insurance company terminated your or your company's existing bonding and/or insurance coverage due to excessive claims history and/or nonpayment of premiums? YES / NO

17. CITATIONS OR ENFORCEMENT ACTIONS. Within the last five years, have you or your company been cited or subject to any enforcement action for violation of any applicable law or regulations related to its performance of a prior construction contract? For the purposes of this section, "applicable law or regulations" includes without limitation, any building, zoning, environmental, site development, or Oregon Public Contracting Code regulations with which a prior project was required to comply, including non-discrimination regulations and prevailing wage requirements.

Answer Yes or No. If Yes: please state the date, nature, and final resolution of every such citation or enforcement action.

18. BONDING. What is the largest contract you have had bonded through the surety company named in Question #11 above? Please identify the project name, the nature of the project, the date of the project and the original contract price.

19. BIDDER INSURANCE

Provide Liability Insurance Certificate showing that your company is covered by liability insurance in amounts required in the sample contract (Attachment A). Prior to contract execution, Successful Bidder must provide City all Insurance Certificates as specified in 1.11.

20. WORKER'S COMPENSATION: CARRIER-INSURED EMPLOYER OR SELF-INSURED EMPLOYER.

Does your company qualify as a carrier-insured employer or self-insured employer under [ORS 656.407](#)?

Answer Yes or No. If Yes, indicate which:

If No, has your company elected coverage under [ORS 656.128](#)?

City of Hillsboro

3.5 BIDDER'S RESPONSIBILITY INFORMATION FORM

BIDDER MUST COMPLETE ALL PAGES OF THIS FORM.

Bidder Name:

21. BIDDER REFERENCES FOR COMPARABLE PROJECTS IN SIZE AND SCOPE

Bidder shall provide a list of three different project references with their Bid that can be contacted regarding the quality of workmanship and service that the Bidder provided on projects of comparable size and scope within the past 5 years. Bidder must provide all information requested below and may use either the form provided in this section or their own form. PLEASE NOTE: If a different form is used, it must still include ALL information required below, including a project description.

Project Reference #1
Name and Dates of Project:
Project Location:
Project Description:
Contact Person #1 Name:
Contact Person #1 Firm Name:
Contact Person #1 Phone, Email:
Contact Person #2 Name:
Contact Person #2 Firm Name:
Contact Person #2 Phone, Email:
Project Reference #2
Name and Dates of Project:
Project Location:
Project Description:
Contact Person #1 Name:
Contact Person #1 Firm Name:
Contact Person #1 Phone, Email:
Contact Person #2 Name:
Contact Person #2 Firm Name:
Contact Person #2 Phone, Email:
Project Reference #3
Name and Dates of Project:
Project Location:
Project Description:
Contact Person #1 Name:
Contact Person #1 Firm Name:
Contact Person #1 Phone, Email:
Contact Person #2 Name:
Contact Person #2 Firm Name:
Contact Person #2 Phone, Email:

Failure to submit the above-required information to the satisfaction of the City may render the Bid non-responsive.

City of Hillsboro

3.6 FORM OF AGREEMENT (DO NOT COMPLETE)

1.01 FORM OF AGREEMENT

- A. The Contract between the Owner and the selected contractor for the Work of this project, will be executed on the City of Hillsboro Large Construction Contract and General Conditions. This is the City's required "Form of Agreement".
- B. A sample copy of the Contract is attached as Attachment A.
- C. Do not sign or complete this sample contract.

City of Hillsboro
3.7 FORM OF PERFORMANCE BOND

Bond No. _____ **Bond Value: \$** _____ **Invitation to Bid No.** _____

Principal: _____	Surety: _____	Obligee: City of Hillsboro _____
Address: _____ _____	Address: _____ _____	Address 150 E. Main St. Hillsboro, OR 97123
Phone: _____	Phone: _____	Phone (503) 681-6100

Agreement: Principal has entered into a contract ("Contract") with Obligee for the following Project: _____

We, _____ as Principal, and the above identified Surety, authorized to transact surety business in Oregon, as Surety, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents to pay unto the Obligee the sum of (Total Penal Sum of Bond) \$ _____.

and

WHEREAS, the Principal has entered into a contract with the Obligee, the plans, specifications, terms and conditions of which are contained in the above-referenced Solicitation;

WHEREAS, the terms and conditions of the contract, together with applicable plans, standard specifications, special provisions, schedule of performance, and schedule of contract prices, are made a part of this Performance Bond by reference, whether or not attached to the contract (all hereafter called "Contract"); and

WHEREAS, the Principal has agreed to perform the Contract in accordance with the terms, conditions, requirements, plans and specifications, and all authorized modifications of the Contract which increase the amount of the work, the amount of the Contract, or constitute an authorized extension of the time for performance, notice of any such modifications hereby being waived by the Surety:

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal herein shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things undertaken by Contractor to be performed under the Contract, including without limitation warranty and maintenance work required under the Contract, upon the terms set forth therein, and within the time prescribed therein, or as extended as provided in the Contract, with or without notice to the Sureties, and shall indemnify and save harmless the Obligee, its officers, employees and agents, against any direct or indirect damages or claim of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the Contract by the Principal or its subcontractors, and shall in all respects perform said contract according to law, then this obligation is to be void; otherwise, it shall remain in full force and effect.

Nonpayment of the bond premium will not invalidate this bond nor shall the Obligee be obligated for the payment of any premiums.

This bond is given and received under authority of ORS Chapter 279C, the provisions of which hereby are incorporated into this bond and made a part hereof.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES.

Dated this _____ day of _____ 20 _____

PRINCIPAL: _____

By: _____

Signature

Official Capacity

Attest: _____

Corporation Secretary

SURETY: _____

BY ATTORNEY-IN-FACT: _____

[Power-of-Attorney must accompany each surety bond]

Name

Signature

Address

City

State

Zip

Phone

Fax

City of Hillsboro
3.8 FORM OF LABOR AND MATERIAL PAYMENT BOND

Bond No. _____ **Bond Value: \$** _____ **Invitation to Bid No.** _____

Principal: _____	Surety: _____	Obligee: City of Hillsboro
Address: _____	Address: _____	Address 150 E. Main St.
Phone: _____	Phone: _____	Hillsboro, OR
		Phone (503) 681-6100

Agreement: Principal has entered into a contract ("Contract") with Obligee for the following Project: _____

We, _____ as Principal, and the above identified Surety, authorized to transact surety business in Oregon, as Surety, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents to pay unto the Obligee the sum of (Total Penal Sum of Bond) \$_____.

and

WHEREAS, the Principal has entered into a contract with the Obligee, the plans, specifications, terms and conditions of which are contained in above-referenced Solicitation;

WHEREAS, the terms and conditions of the contract, together with applicable plans, standard specifications, special provisions, schedule of performance, and schedule of contract prices, are made a part of this Payment Bond by reference, whether or not attached to the contract (all hereafter called "Contract"); and

WHEREAS, the Principal has agreed to perform the Contract in accordance with the terms, conditions, requirements, plans and specifications, and schedule of contract prices which are set forth in the Contract and any attachments, and all authorized modifications of the Contract which increase the amount of the work, or the cost of the Contract, or constitute authorized extensions of time for performance of the Contract, notice of any such modifications hereby being waived by the Surety:

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things by it undertaken to be performed under said Contract and any duly authorized modifications that are made, upon the terms set forth therein, and within the time prescribed therein, or as extended therein as provided in the Contract, with or without notice to the Sureties, and shall indemnify and save harmless the Obligee, its officers, employees and agents, against any claim for direct or indirect damages of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the Contract by the Contractor or its subcontractors, and shall promptly pay all persons supplying labor, materials or both to the Principal or its subcontractors for prosecution of the work provided in the Contract; and shall promptly pay all contributions due the State Industrial Accident Fund and the State Unemployment Compensation Fund from the Principal or its subcontractors in connection with the performance of the Contract; and shall pay over to the Oregon Department of Revenue all sums required to be deducted and retained from the wages of employees of the Principal and its subcontractors pursuant to ORS 316.167, and shall permit no lien nor claim to be filed or prosecuted against the Obligee on account of any labor or materials furnished; and shall do all things required of the Principal by the laws of the State of Oregon, then this obligation shall be void; otherwise, it shall remain in full force and effect.

Nonpayment of the bond premium will not invalidate this bond nor shall the Obligee be obligated for the payment of any premiums.

This bond is given and received under authority of ORS Chapter 279C, the provisions of which hereby are incorporated into this bond and made a part hereof. For the purposes of this bond, a claimant is any person who has a right of action against the bond under ORS 279C.600. A claimant's right of action on this bond and limitations on the institution of an action shall be governed by ORS 279C.380.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES:

Dated this _____ day of _____ 20 _____

PRINCIPAL: _____

By: _____

Signature

Official Capacity

Attest: _____

Corporation Secretary

SURETY: _____

BY ATTORNEY-IN-FACT: _____

[Power-of-Attorney must accompany each surety bond]

Name

Signature

Address

City

State

Zip

Phone

Fax

City of Hillsboro

3.9 FORM OF WARRANTY BOND

BOND NO. _____

PREMIUM NO. _____

PROJECT NO. _____ PROJECT NAME: _____

WHEREAS, the City of Hillsboro (hereafter "City") and _____ (hereafter "Contractor") have entered into a contract ("Contract") dated _____, 20____, whereby Contractor agreed to install and complete certain designated public improvements as a condition of, relating to, at Contractor's own expense and which Contract is hereby referred to and made a part hereof; and

WHEREAS, Contractor is required under the terms of the Contract to furnish warranty security for the work performed pursuant to the Contract in the amount of twenty-five percent (25%) of the original amount of the contract to guarantee replacement and repair of the improvements as described in the Contract for a period of one year following the issuance of the Notice of Substantial Completion.

NOW, THEREFORE, we, Contractor, and ("Surety"), are held and firmly bound unto City in the penal sum of _____ (\$_____) lawful money of the United States, for the payment of which we bind ourselves, our heirs, successors, executors, and administrators, jointly and severally.

The condition of this obligation is such that if Contractor shall indemnify City for all loss that City may sustain by reason of any defective materials or workmanship which become apparent during the period of one year from and after acceptance of the improvements by the City Council of City, then this obligation shall be null and void; otherwise, this obligation shall remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified, costs and reasonable expenses and fees shall be included, including reasonable attorneys' fees incurred by City in successfully enforcing the obligation, all to be taxed as costs and included in any judgment rendered.

Surety shall provide City with thirty (30) days' written notice of Contractor's default prior to Surety terminating, suspending or revoking the bond.

In witness whereof, this instrument has been duly executed by Contractor and Surety on _____, 20__.

Contractor

Surety

By _____

Attorney-in-Fact

State of OREGON
County of _____

Address _____

Signed or attested before me on _____, 20__ by _____

Notary Public – State of Oregon

ATTACHMENT A:
FORM OF CONTRACT, GENERAL CONDITIONS



PUBLIC IMPROVEMENT CONTRACT
between
CITY OF HILLSBORO, OREGON
and
FULL, LEGAL NAME OF CONTRACTOR

Contract No.

This Public Improvement Contract ("Contract") is made by the City of Hillsboro, Oregon and Full, legal name of Contractor ("Contractor") to provide construction services on the following Project Name ("Project"), briefly described below:

Insert brief description of the Project

The parties agree as follows:

CONTRACTOR DATA

Full Business Name: Full legal name of Contractor

Contractor Contact Person:

Address:

City, State, ZIP:

Business Telephone:

Facsimile:

Email:

Oregon CCB License Number:

Contractor certifies under penalty of perjury that Contractor is a:

- Sole Proprietor
- Corporation
- Limited Liability Company
- Partnership
- Other [describe: _____]

TERMS AND CONDITIONS

1. **Work.** Contractor shall execute fully the Work described by the Contract Documents, unless specifically indicated in the Contract Documents to be the responsibility of others. "Work" means the construction and any related services required by or reasonably inferable from the Contract Documents, whether completed or partially completed, including (except as otherwise expressly stated in this Contract) all other labor, materials, equipment, tools, permits, fees, licenses, facilities, taxes, transportation, supervision, temporary constructions of every nature, and all other services, management, and facilities of every nature whatsoever necessary to fulfill Contractor's duties by executing and completing this Contract within the Contract Time. The Work may constitute the whole or a part of the Project.
2. **Effective Date and Termination Date.** The effective date of this Contract shall be the Contract Start Date identified in section 2.a. or the date on which each Party has signed this Contract, whichever is later. Unless earlier terminated as provided below, the termination date shall be the Contract End Date, subject to extension as provided in the Contract Documents.

Offer and Contract Dates

- a. Contract Start Date

 "Work" Time Dates
- b. Anticipated Notice to Proceed Date
- c. Anticipated Substantial Completion Date
- d. Anticipated Final Completion Date
- e. Contract End Date

- f. "Work" Time in Calendar Days

PLEASE NOTE: Contractor shall not commence Work under this Contract until the Notice to Proceed has been issued.

3. **Enumeration of Contract Documents.** The "Contract Documents" include the following:
 - a. This Contract with these Terms and Conditions.
 - b. **EXHIBIT A:** City's General Conditions to the Contract - included in this form
 - c. **EXHIBIT B:** Insurance Requirements - included in this form
 - d. **EXHIBIT C:** BOLI Prevailing Wage Rates: Indicate "BOLI Prevailing Wage Rates version xx incorporated by reference
 - e. **EXHIBIT D:** Contractor's Bid Response
 - f. **EXHIBIT E:** Project Manual
 - g. **EXHIBIT F:** Drawings
 - h. **EXHIBIT G:** Addenda
 - i. **EXHIBIT H:** Additional Documents. List any additional documents which are a part of this contract or remove this Exhibit Reference.

4. **Contract; Contract Documents; Entire Agreement.** This Contract and the other Contract Documents forms the entire and integrated agreement between the parties. Unless the context requires otherwise, any reference to the "Contract" includes the Contract Documents.

5. **The Contract Time.** Contractor shall achieve Substantial Completion of the Work under this Contract within consecutive calendar days ("Contract Time") from the date specified in City's Notice to Proceed, subject to adjustments of this Contract Time as provided in the Contract Documents.

6. **The Contract Total**

- a. The Contract Total is \$0. The Contract Total is the total amount payable by the City to Contractor for the completion of the Work in its entirety under the Contract Documents.
- b. The following bid alternates are included in the Contract Total: List or refer to Exhibit
- c. Unit prices if any: List or refer to Exhibit
- d. Allowances included in the Contract Total, if any: List or refer to Exhibit
- e. Notwithstanding any other provision of this Contract or the Contract Documents, the Contract Total includes all construction contingencies for existing site conditions other than for pre-existing Hazardous Materials. Contractor is thoroughly acquainted with and has inspected the Project site without restriction, understands the potential risks in this construction Work, and accepts the full risk of construction contingencies to complete the Work within the Contract Time and Contract Total set out in this Agreement.

7. **Progress Payments.**

- a. The Contractor will submit an application for payment to the City Representative as provided in the General Conditions. The City Representative may require the Contractor to simultaneously submit an application for payment to the Design Professional working on the Project.
- b. Each application for payment shall be for one calendar month ending on the last day of the month.
- c. Payments are due and payable 30 days following receipt of the Contractor's complete Application for Payment or 15 days from the date after payment is approved by the City Representative, whichever is earlier. Payments due and unpaid under the Contract shall bear interest from the date payment is due at the rate set forth in ORS 279C.570(2).
- d. The amount of each progress payment shall be determined as provided in the General Conditions, less retainage of 5% pursuant to ORS 279C.550 to 279C.565, ORS 701.420 and 701.430, and less liquidated damages, if any.

8. Designation of Representatives.

- a. The City’s Representative is: Name and Contact Information
- b. The Contractor’s Representative is: Name and Contact Information
- c. A party may change its designated representative upon 30 days written notice to the other party.

9. Notice and Communications.

- a. Notices and communications between the parties to this Contract may be sent to the following addresses:

City:	Contractor:
City of Hillsboro	Name
Department	
Address	Company Name
Hillsboro, OR Zipcode	

- b. The party giving notice will provide notice in writing, dated and signed by the party giving notice or by a duly authorized representative of that party. Notice is not effective for any purpose whatsoever unless served in one of the following manners:
- c. If notice is given by personal delivery, it is deemed delivered on the day of delivery.
- d. If notice is given by overnight delivery service, it is deemed delivered one (1) day after date deposited, as indicated by the delivery service.
- e. If notice is given by depositing same in United States mail, enclosed in a sealed envelope, it is deemed delivered three days after date deposited, as indicated by the postmarked date.
- f. If notice is given by registered or certified mail with postage prepaid, return receipt requested, it is deemed delivered on the day the notice is signed for.

10. Independent Contractor Status. By its signature on this contract, Contractor certifies that the service or services to be performed under this Contract are those of an independent contractor as defined in ORS 670.600, and that Contractor is solely responsible for the work performed under this Contract. Contractor represents and warrants that Contractor, its subcontractors, employees, and agents are not "officers, agents, or employees" of the City within the meaning of the Oregon Tort Claims Act (ORS 30.260 through 30.300). Contractor shall be responsible for all federal, state, and local taxes and any and all fees applicable to payments for services under this Agreement.

11. Request for Taxpayer Identification Number. Contractor must be a current vendor with the City or must submit a completed "Request for Taxpayer Identification Number and Certification" (Form W-9) with this signed Contract. Payment information will be reported to the Internal Revenue Service under the name and TIN or SSN provided by Contractor. Contractor shall be responsible for all federal, state, and local taxes and any fees applicable to payments for Work under this Contract.

12. Compliance With Applicable Law. Contractor shall comply with all federal, state, and local laws applicable to the Work under this Contract, and all regulations and administrative rules established pursuant to those laws, including without limitation, the following requirements of the Oregon Public Contract Code:

- a. ORS 279A.110 (Non-discrimination Certification): Contractor shall certify that Contractor has not discriminated and will not discriminate against a Subcontractor in the awarding of a subcontract because the Subcontractor is a minority, women, or emerging small business enterprise (certified under ORS 200.055.), or a business that is owned or controlled by, or employs a disabled veteran (as defined in ORS 408.225).

- b. ORS 279C.380 (Performance and Payment Bonds): Unless exempted by the City in writing pursuant to the City's local public contracting rules, prior to starting work under this Contract, Contractor or its Subcontractor shall execute and deliver to City a good and sufficient performance bond, in a form acceptable to City, in a sum equal to 100% of the construction portion of the Contract Price, and Contractor or its Subcontractor shall execute and deliver to City a good and sufficient payment bond, in a form acceptable to City, in a sum equal to 100% of the construction portion of the Contract Price, solely for the protection of claimants under ORS 279C.600.
- c. ORS 279C.505 (Prompt Pay Requirement, Liens, Taxes, and Drug Testing): Contractor shall make payment promptly, as due, to all persons supplying to such Contractor labor or material for the performance of the Work provided for in such Contract; pay all contributions or amounts due the Industrial Accident Fund from such Contractor or Subcontractor incurred in the performance of the Contract; 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; and pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.167. Contractor shall further demonstrate that an employee drug testing program is in place.
- d. ORS 279C.510 (Recycling/Composting): If this Contract includes demolition work, the Contractor shall salvage or recycle construction and demolition debris, if feasible and cost-effective. If this Contract includes lawn or landscape maintenance, the Contractor shall compost or mulch yard waste material at an approved site, if feasible and cost-effective.
- e. ORS 279C.515 (Failure to Pay Promptly): If Contractor fails, neglects, or refuses to make prompt payment of any Claim for labor or services furnished to the Contractor or a Subcontractor by any person in connection with this Contract as such Claim becomes due, the City may pay such Claim to the person furnishing the labor or services and charge the amount of the payment against funds due or to become due the Contractor by reason of this Contract. The payment of a Claim in the manner authorized in this section shall not relieve the Contractor or the Contractor's surety from any obligation with respect to any unpaid Claims. Unless the payment is subject to a good-faith dispute as defined in ORS 279C.580, if Contractor or any first-tier Subcontractor fails to pay any Claim for materials or labor furnished under this Contract within 30 days after being paid by City, interest shall be due on such claim as specified in ORS 279C.515(2) at the end of the 10-day period that payment is due under ORS 279C.580(4). A person with any such unpaid Claim may file a complaint with the Construction Contractor's Board unless the complaint is subject to a good-faith dispute as defined in ORS 279C.580.
- f. ORS 279C.520 and 279C.540 (Hours of Labor, Holidays, and Overtime): Except as otherwise provided in an applicable collective bargaining agreement with a labor organization, Contractor shall not employ and shall require that its Subcontractors not employ any person to perform construction work for more than ten hours in any one day, or 40 hours in any one week, except in cases of necessity, emergency, or where the public policy absolutely requires it, and in such cases, except in cases of Contracts for personal services as defined in ORS 279A.055, the laborer shall be paid at least time and a half pay:
 - 1. For all overtime in excess of eight hours a day or 40 hours in any one week when the work week is five consecutive days, Monday through Friday; and
 - 2. For all overtime in excess of ten hours a day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and
 - 3. For work performed on Saturday and on any legal holiday specified in any applicable collective bargaining agreement or ORS 279C.540(1)(b).
 - 4. The requirement to pay at least time and a half for all overtime worked in excess of 40 hours in any one week shall not apply to individuals who are excluded under ORS 653.010 to 653.261 or under 29 U.S.C. Section 201 to 209 from receiving overtime. Contractor shall and shall require its Subcontractors to give notice in writing to their employees who work under this Contract, either at the time of hire or before commencement of Work on the Contract, 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.

- g. ORS 279C.525 (Notice of Environmental Regulations): State law requires that solicitation documents for a public improvement contract make specific reference to federal, state, and local agencies that have enacted ordinances, rules, or regulations dealing with the prevention of environmental pollution or the preservation of natural resources that may affect the performance of this Contract. These agencies include, but are not limited to:
1. Federal Agencies: Department of Agriculture, Forest Service, Soil and Water Conservation Service, Coast Guard, Department of Defense, Army Corps of Engineers, Department of Emergency, Federal Energy Regulatory Commission, Environmental Protection Agency, Department of Health and Human Services, Department of Housing and Urban Development, Solar Energy and Energy Conservation Bank, Department of Interior, Bureau of Land Management, Bureau of Indian Affairs, Bureau of Mines, Bureau of Reclamation, Geological Survey, Minerals Management Service, U.S. Fish and Wildlife Service, Department of Labor, Mine Safety and Health Administration, Occupational Safety and Health Administration, Department of Transportation, Federal Highway Administration, and Water Resources Council.
 2. State Agencies: Department of Administrative Services, Department of Agriculture, Soil and Water Conservation Commission, Columbia River Gorge Commission, Department of Energy, Department of Environmental Quality, Department of Fish and Wildlife, Department of Forestry, Department of Geology and Mineral Industries, Department of Human Resources, Department of Consumer and Business Services, Land Conservation and Development Commission, Department of Parks and Recreation, Division of State Lands, and Department of Water Resources.
 3. Local Agencies: City councils, county courts, county boards of commissioners, metropolitan service district councils, design commissions, historic preservation commissions, planning commissions, development review commissions, special district boards of directors, and other and special governmental agencies such as Tri-Met, urban renewal agencies, and Port districts.
 4. Tribal Governments.
- h. ORS 279C.530 (Payment for Medical Care and Workers' Compensation): Contractor shall promptly, as due, make payments to any person, co-partnership, association, or corporation furnishing medical, surgical, and hospital care or other needed care and attention, incident to sickness or injury, to the employees of such Contractor, of all sums which the Contractor agrees to pay for such services and all moneys and sums which the Contractor collected or deducted from the wages of employees pursuant to any law, contract, or agreement for the purpose of providing or paying for such service. All employers, including the Contractor, that employ subject workers who work under this Contract 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. Contractor shall ensure that each of its Subcontractors complies with these requirements.
- i. ORS 279C.545 (Time Limitations on Claims for Overtime): Construction workers employed by the Contractor or its Subcontractor shall be foreclosed from the right to collect for any overtime under this Contract unless a claim for payment is filed with the Contractor or Subcontractor within 90 days from the completion of the Contract, providing the Contractor or Subcontractor has:
1. Caused a circular clearly printed in blackface pica type and containing a copy of this section to be posted in a prominent place alongside the door of the timekeeper's office or in a similar place which is readily available and freely visible to any or all workers employed on the Work; and
 2. Maintained such circular continuously posted from the inception to the completion of the Contract on which workers are or have been employed.
- j. ORS 279C.580(3) (Prompt Payment of First-Tier Subcontractors): Contractor shall include in each subcontract for property or services with a first-tier Subcontractor a clause that obligates the Contractor to pay the first-tier Subcontractor for satisfactory performance under its subcontract within ten days out of such amounts as are paid to the Contractor by the City. Contractor shall also include in each subcontract a clause that states that if the Contractor fails to pay any claim for materials or labor furnished under this Contract within 30 days after being paid by City, interest shall be due on such claim as specified in ORS 279C.515(2) at the end of the ten-day period that payment is due under ORS 279C.580(3). Contractor shall require each first-tier Subcontractor to include a payment clause and interest clause conforming to the requirements of ORS 279C.580 in each of its subcontracts, and to require each of its Subcontractors to include a similar clause in each contract with a lower-tiered subcontractor or supplier.

- k. ORS 279C.605 (Notice of Claim on Bond): Any person claiming a right of action under ORS 279C.600 must file a notice of claim as provided in ORS 279C.605.
- l. ORS 279C.800 to 279C.870 (Payment of Prevailing Wage Required):
 1. The hourly rate of wage to be paid by Contractor or any Subcontractor to workers in each trade or occupation required for the public works employed in the performance of this Contract shall not be less than the specified minimum rate of wage in accordance with ORS 279C.838 and ORS 279C.840 for each trade or occupation as defined by the Commissioner of the Oregon Bureau of Labor and Industries in the applicable publication entitled Definitions of Covered Occupations for Public Works Contracts in Oregon available at http://www.boli.state.or.us/BOLI/WHD/PWR/pwr_state.shtml.
 2. This contract is subject to the prevailing wage rates published as specified in the City's Invitation to Bid document included in this contract as Exhibit Insert Exhibit letter or number.
 3. Contractor and all Subcontractors shall keep the prevailing wage rates for this Project posted in a conspicuous and accessible place in or about the Project.
 4. The City shall pay a fee to the Commissioner of the Oregon Bureau of Labor and Industries as provided in ORS 279C.825. The fee shall be paid to the Commissioner under the administrative rule of the Commissioner.
 5. If Contractor or any Subcontractor also provides for or contributes to a health and welfare plan or a pension plan, or both, for its employees on the Project, it shall post notice describing such plans in a conspicuous and accessible place in or about the Project. The notice shall contain information on how and where to make claims and where to obtain future information.
- m. ORS 279C.836 (Public Works Bond Required): Contractor shall:
 1. File a public works bond with the Construction Contractors Board pursuant to ORS 279C.836 before starting work on the Project, unless exempt under ORS 279C.836(2), (7) or (8); and
 2. Include in every subcontract a provision requiring the Subcontractor to file a public works bond with the Construction Contractors Board pursuant to ORS 279C.836 before starting work on the Project, unless exempt under ORS 279C.836(2), (7) or (8).
- n. ORS 279C.845 (Prevailing Wage Certification; Additional Retainage):
 1. Contractor and every Subcontractor shall file certified statements with City in writing in the form prescribed by the Commissioner of the Bureau of Labor and Industries, certifying the hourly rate of wage paid each worker whom Contractor or Subcontractor has employed upon such public work, and further certifying that no worker employed upon such public work has been paid less than the prevailing rate of wage or less than the minimum hourly rate of wage specified in the Contract, which certificate and statement shall be verified by the oath of Contractor or Contractor's surety or Subcontractor or Subcontractor's surety that Contractor and any Subcontractor has read such statement and certificate and knows the contents thereof, and that the same is true to Contractor or Subcontractor's knowledge. The certified statements shall set out accurately and completely the payroll records for the prior week including the name and address of each worker, the worker's correct classification, rate of pay, daily and weekly number of hours worked, deductions made, and actual wages paid.
 2. The certified statement shall be delivered or mailed by Contractor or Subcontractor to City. Certified statements for each week during which the Contractor or Subcontractor employs a worker upon the public work shall be submitted once a month, by the fifth business day of the following month. Information submitted on certified statements may be used only to ensure compliance with the provisions of ORS 279C.800 to 279C.870. Notwithstanding any other provision of this Contract and in addition to any other retainage required under this Contract, the City shall retain 25% of any amount earned by the Contractor until the Contractor has filed the certified statements with the City as required by this Section. The City will pay the retainage required under this Section within 14 days after Contractor files the certified statements required by this Section.
 3. Contractor and each Subcontractor shall preserve the certified statements for a period of three years from the date of completion of the Contract.
- o. ORS 671.560, 701.026 (Landscape/Construction Contractors License Required): If Contractor is performing work as a landscape contractor as defined in ORS 671.520(2), Contractor must have a current, valid landscape contractor's license issued under ORS 671.560. If Contractor is performing work as a Contractor as defined in ORS 701.005(2), Contractor must have a current, valid construction contractor's license issued under ORS 701.026. Contractor shall

further certify that all Subcontractors performing Work described in ORS 701.005(2) are registered with the Construction Contractors Board or licensed by the State Landscaping Contractor's Board as required by the above-noted statutes before they commence Work under this Contract. Contractor shall maintain in effect all licenses, permits, and certifications required for the performance of the Work. Contractor shall notify City immediately if any license, permit, or certification required for performance of this Contract shall cease to be in effect for any reason.

Contractor has the power and authority to enter into and perform this Contract. The persons executing this Contract on behalf of Contractor have the actual authority to bind Contractor to the terms of this Contract.

CONTRACTOR

CITY

Full, legal name of Contractor

City of Hillsboro

Signature

Signature
Printed name of signer

Printed Name and Title

Title

Date

Date

EXHIBIT A

**CITY OF HILLSBORO
PUBLIC IMPROVEMENT CONTRACT
GENERAL CONDITIONS
July, 2014**

I) General Provisions.

- i) Contract Documents.** The “Contract Documents” are enumerated in Item 3. (“Enumeration of Contract Documents”) of the Public Improvement Contract between City and Contractor (“Contract”) and consist of the Contract, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, additions or deletions to, material changes in, or general interest explanations of a Solicitation Document (“Addenda”) (other than Addenda relating to bidding requirements) issued prior to the bid, other documents listed in the Contract, and Modifications issued after execution of the Contract. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all. Performance by Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results.
- ii) Contract Schedule.** The “Contract Schedule” is the graphical representation of the practical plan for carrying out the Work and completing the Work within the Contract Time as set forth in the Contract Documents. The Contract Schedule provides a list of intended events and times to complete each event as set forth in the Contract Documents.
- iii) Drawings.** The “Drawings” are the graphic and pictorial portions of the Contract Documents showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.
- iv) Knowledge.** The terms “knowledge,” “recognize” and “discover” their respective derivatives and similar terms in the Contract Documents, when used in reference to the Contractor, means that which the Contractor knows or should know, recognizes or should recognize and discovers or should discover. Analogously, the expression “reasonably inferable” and similar terms in the Contract Documents means reasonably inferable by a contractor familiar with the Project and exercising the care, skill and diligence required of the Contractor by the Contract Documents.
- v) Modification.** A “Modification” is

 - 1) a written amendment to this Contract signed by both parties;
 - 2) a Change Order;
 - 3) a Construction Change Directive; or
 - 4) a written order for a minor change in the Work issued by the Architect.
- vi) Organization of Drawings and Specifications.** “Organization of Drawings and Specifications” into divisions, sections, articles, or otherwise arranged will not control Contractor in dividing the Work among subcontractors or in establishing the extent of Work to be performed by any trade subcontractor.
- vii) Project.** The “Project” is the total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by City and by separate Contractors.
- viii) Project Site.** The “Project Site” is the property upon which the Project lies and City’s property that surrounds the Project, extending to the City’s property boundary.
- ix) Specifications.** The “Specifications” are that portion of the Contract Documents consisting of the written requirements for materials, equipment, systems, standards, and workmanship for the Work and performance of related services.

II) City's Responsibilities.

- i) Authorized Representative. City shall designate a person in writing to be the authorized representative with express authority, to the extent permitted by law, to bind and communicate on behalf of City with respect to all matters requiring City's approval or authorization ("City Representative"). The term "City" includes City Representative.
- ii) Contract Administration. City shall provide contract administrative services for the Project through City's authorized representative. The City Representative may engage and delegate authority to such additional staff and professional and technical consultants as City deems necessary to assist in perform its administrative tasks. Contractor shall direct all Project communications to City and in accordance with the Contract Documents, or as City directs in writing.
 - 1) City may engage professional architects or engineers to assist City during construction of the Project to interpret technical contract provisions and to determine the amount, quality, acceptability, and fitness of the Work. Such architects or engineers will be authorized to act on behalf of City only to the extent expressly provided in the Contract Documents or as City otherwise directs in writing.
 - 2) City may engage a consulting construction manager to provide Project administrative services on City's behalf. Such construction manager will be authorized to act on behalf of City to the extent expressly provided in the Contract Documents or as City otherwise directs in writing.
 - 3) City may retain certain project inspectors to monitor compliance with Drawings and Specifications for the Project, as well as applicable codes and ordinances. Such project inspectors will be authorized to act on behalf of City to the extent expressly provided in the Contract Documents or as City otherwise directs in writing.
- iii) Access to the Work. City and its designated representatives shall have free access to the Work at all times. Contractor shall not carry on Work except with the knowledge of City and its designated representatives. City may require special inspection or testing of any portion of the Work, whether it has been fabricated, installed, or fully completed. Inspection or observation of Work shall not relieve Contractor from any obligation to fulfill the Contract.
- iv) Right to Stop or Reject Work. City may reject Work that fails to conform to the Contract Documents, as determined by City. If Contractor fails to promptly correct such defective Work, City may issue a written order directing Contractor to stop the Work, or designated portion thereof, until the cause for such order is eliminated. The right of City to stop the Work shall not give rise to a duty on the part of City, or any of its representatives, to discover nonconforming Work or to exercise the right to stop the Work for the benefit of Contractor or any other person or entity.
- v) Permits and Access. Except for permits and fees that are Contractor's responsibility under the Contract Documents, City shall secure and pay for all other necessary approvals, easements, assessments and charges required to complete the Work..
- vi) Subsurface Surveys. City shall make available to Contractor, and Contractor shall study, the results of such test borings and information that City has concerning subsurface conditions and site geology. Contractor shall inform City of any other site investigation, analysis, study, or test conducted by or for Contractor or its agents and shall make the results available to City upon City's request.
- vii) City's Rights. The rights stated in this section and elsewhere in the Contract Documents are cumulative and do not limit any rights City may have under the Contract Documents, at law or in equity. Without limiting the generality of the foregoing sentence, any right City has under the Contract Documents to compel Contractor to fix defective Work, up to and including any warranty period the Contract Documents may establish, does not operate to shorten or otherwise limit statutes of limitations applicable to the Work.

III) Contractor's Responsibilities.

i) General Responsibilities.

- 1) Authorized Representative. Contractor shall designate a person in writing to be the authorized representative with express authority to bind and communicate on behalf of Contractor with respect to all matters requiring Contractor's approval or authorization ("Contractor Representative"). The term "Contractor" means the Contractor or the Contractor Representative.
- 2) Materials, Equipment, and Services. The Contractor will provide all labor, materials, equipment, and services necessary to complete the Work, all of which will be provided in full accord with the Contract Documents.
- 3) Supervision and Coordination. Unless otherwise expressly provided in the Contract Documents, the Contractor will be solely responsible for the supervision and coordination of the Work, including the construction means, methods, techniques, sequences, and procedures utilized.
- 4) Project Correspondence. Contractor shall provide City with a copy of all written communications between Contractor and City's consultants at the same time as that communication is made to such consultants, including, without limitation, all requests for information, correspondence, submittals, notices, and change order proposals. Contractor shall confirm oral communications in writing.
- 5) Project Boundary. Contractor shall confine operations at the site to areas permitted by law, ordinances, permits, and the Contract Documents and shall not unreasonably encumber the site with materials or equipment.
- 6) Taxes. Contractor shall pay all applicable taxes for the Work provided by Contractor that are legally applicable at the time the bid is submitted, whether or not yet effective or merely scheduled to go into effect.
- 7) Permits, Fees and Notices. Except as otherwise provided in the Contract Documents, Contractor shall secure and pay for all permits, licenses, and certificates that are the Contractor's responsibility under the Contract Documents and that are necessary for prosecution of Work before the date of the commencement of the Work or before the permits, licenses, and certificates are legally required to continue the Work without interruption. Contractor shall obtain and pay, when legally required, for all licenses, permits, inspections, and inspection certificates required by any authority having jurisdiction over any part of the Work included in the Contract. Contractor shall deliver all final permits, licenses, and certificates to City before demand is made for final payment.

ii) Worksite Conditions.

- 1) Benchmarks and Monuments. Contractor shall protect and preserve established benchmarks and monuments and shall not change locations of benchmarks and monuments without City's prior written approval. Contractor shall replace any benchmarks or monuments that are lost or destroyed subsequent to proper notification of City and with City's approval.
- 2) Field Verification. Prior to the commencement of the Work, Contractor shall review the Project Site with City in detail and identify the area of the Work, staging areas, connections or interfacing with existing structures and operations, and restrictions on the Work site area. Contractor shall ensure that all forces on the Project Site are instructed about the acceptable working and staging areas and restrictions on use of the site. Contractor, with advance consent of City, shall erect such barriers and devices as are necessary to restrict access within the Work site to authorized areas and to prevent unauthorized access to non-Work areas.

- 3) Utility Locates. Contractor will be responsible to locate existing utilities and underground facilities that are indicated in the Contract Documents or that are known or reasonably should be known to exist in proximity to the Work. Contractor shall provide timely notice and locate requests with any affected utility or through contact with appropriate notification centers before commencing excavation or demolition Work that Contractor knows or reasonably should know is in proximity to such utilities or facilities. Contractor assumes the sole risk and will be responsible for all delay and expense arising out of Contractor's failure to do so. Contractor acknowledges that utility companies and other third parties owning or managing facilities that may need to be relocated are not City's agents and do not act for the City.

iii) Responsibility for Performance.

- 1) Before beginning the Work, Contractor shall examine and compare the drawings and specifications with information furnished by City that are Contract Documents, relevant filed measurements made by the Contractor, and any visible conditions at the worksite affecting the Work.
- 2) Reporting Inconsistencies. Contractor is not required to ascertain that the Contract Documents are in accordance with applicable laws, statutes, ordinances, building codes, and rules and regulations, but Contractor shall promptly report any nonconformity it discovers to City. Contractor will be liable to City for damages if it fails, in the exercise of normal diligence, to recognize any error, inconsistency, omission or difference between field conditions and the Contract Documents. Contractor shall promptly report any errors, inconsistencies, or omissions it discovers, as a request for information, in such a form as City or Architect may require. Contractor will not be entitled to any modification in Contract Total or Contract Time solely by the request for information. Contractor shall carefully study and compare all Contract Documents, including Drawings, Specifications, and other instructions and shall at once report, in writing to City any error, inconsistency, or omission that Contractor or its employees or subcontractors may discover. In the event of an inconsistency within or between parts of the Contract Documents, or between the Contract Documents and applicable law, and regardless of whether Contractor reports the inconsistency to the City, the Contractor must: (i) provide the better quality or greater quantity of Work; or (ii) comply with the more stringent requirement as applicable.
- 3) Unnecessary Inquiries. Contractor is liable for costs incurred by City for professional services for interpretations or decisions of matters where the information sought is equally available to the party making the request.

iv) Construction Materials and Supplies.

- 1) Quantities of Materials. Contractor shall provide materials in sufficient quantities on hand at such times as to insure uninterrupted progress of Work and shall store materials properly and protect materials as required.
- 2) Complete Assembly. For all materials and equipment specified or indicated in the Drawings, Contractor shall provide all labor, materials, equipment, and services necessary for complete assemblies and complete working systems, functioning as intended. Contractor shall furnish incidental items not indicated on Drawings, nor mentioned in the Specifications, that can be legitimately and reasonably inferred to belong to the Work described, or necessary in good practice to provide a complete assembly or system, as though itemized here in every detail. In all instances, Contractor shall install material and equipment in strict accordance with each manufacturer's most recent published recommendations and specifications. Contractor shall be responsible for appropriately sequencing the Work and for verification of suitability of prior work before subsequent construction activities.
- 3) Timely Ordering of Materials. Contractor shall coordinate submittal approvals and place orders for materials and/or equipment so that delivery of same will be made without delays to the Work. Contractor shall, upon City's reasonable request, provide documentary evidence that orders have been placed.

- 4) No Right to Lien. Contractor warrants good title to all material, supplies, and equipment installed or incorporated in Work and agrees upon completion of all Work to deliver the site to City, together with all improvements and appurtenances constructed or placed thereon by it, and free from any claims, liens, or charges. Because City's property is public property, Contractor and any person, firm, or corporation furnishing any materials or labor for any Work covered by this Contract, will not have any right to lien any portion of the Project Site or any improvement or appurtenance thereon.
- 5) Storage. Contractor and its subcontractors shall obtain City approval before delivering or storing materials or tools on City's premises. Upon approval, Contractor shall store materials and tools so that they do not hamper the operation of equipment or persons and do not present a fire or safety hazard.

v) Construction Personnel and Supervision.

- 1) Supervision. During progress of the Work, Contractor shall keep on the Project Site, and at all other locations where any Work related to this Contract is being performed, a competent project manager, construction superintendent and staff, who are employees of Contractor, to whom City does not object and at least one of whom is fluent in English, written and verbal. Contractor shall provide efficient supervision to the Work, using its best skill and attention. Before commencing the Work, Contractor shall give written notice to City of the name of its project manager and construction superintendent. Contractor is bound by all directions given to Contractor's project manager and/or construction superintendent as if such direction was given to Contractor.
- 2) Replacement of Supervision. Contractor shall not otherwise remove or replace the construction superintendent or project manager for any reason, including their need to work on other projects, or to take extended vacations, without submitting thirty (30) days' written notice to City. If Contractor's project manager, construction superintendent, or support staff member is no longer employed by Contractor, Contractor shall provide City with notice of the termination of the employment relationship and shall consult with City with respect to replacement personnel.
- 3) Discipline and Removal. Contractor shall at all times enforce strict discipline and good order among its subcontractors and employees and shall not employ or work any unfit person, or anyone not skilled in work assigned to that person. City may require Contractor to permanently remove unfit persons from Project Site. Contractor shall not employ any person whom City may deem incompetent or unfit on the Project except with the prior written consent of City. City may require removal and replacement of any or all construction superintendents or project managers upon ten (10) days' notice to Contractor.
- 4) Acts or Omissions. Contractor is responsible to City for acts and omissions of Contractor's employees, subcontractors and their agents and employees, and other persons or entities performing portions of the Work for or on behalf of Contractor or any of its subcontractors.
- 5) Identification Badges. The Contractor and its subcontractors, and the employees and the agents of any of them shall comply with City's policies and requirements to obtain, display, and return identification badges at any time while they are present on City's property.

vi) Contractor's Construction Master Schedule.

- 1) Schedule Required. Within no more than ten (10) days of being awarded the Contract, and before commencing the Work, Contractor shall prepare and submit to City for City's approval a construction master schedule for the Work. The construction schedule shall be in a detailed precedence-style critical path method (CPM) type format, which will include any interim dates that are critical in insuring the timely completion of the Work as provided in the Contract Documents. City shall provide approval or comment on the submitted schedule within seven (7) days. Contractor shall be responsible for amending construction schedule in response to City comments.

- 2) Logic. Schedule shall use retained logic during the development and updating of the schedule. Any function that would cause the retained logic of the logic network to be overridden is prohibited unless approved, in writing and in advance, by the Architect and City.
- 3) Schedule shall include: date of Notice to Proceed, date of Substantial Completion, and date of Final Completion in accordance with Contract Documents.
- 4) Schedule Maintenance. The schedule shall not exceed the Contract Time for the Work. Contractor shall revise and update the schedule at appropriate intervals, no greater than monthly, or as required by City or the conditions of the Work and Project. Should the Contractor fail to meet any scheduled date as shown on the current Construction Progress Schedule, the Contractor shall promptly notify the City, and if requested, be required at its own expense to submit within five (5) days of the request an updated Construction Progress Schedule. If the Contractor's progress indicates to the City that the Work will not be Substantially Completed within the Contract Time, the Architect and City may require the Contractor develop a Recovery Schedule that adequately demonstrates how the Contractor will, at its own expense, increase its work force and/or working hours to bring the actual completion dates of the activities into conformance with the Construction Progress Schedule and Substantial Completion within the Contract Time. Neither the City nor the Architect will, however, be obligated to review the substance or sequence of the Construction Progress Schedule or otherwise determine whether it is correct, appropriate or attainable.
- 5) Submittal Schedule. Contractor shall prepare and keep current, for City's review and acceptance, a schedule of submittals that is coordinated with the construction schedule and allows City and its consultants reasonable time to review submittals and to provide information necessary for procurement and installation of Work for which allowances are provided under the Contract Documents. City may require Contractor to include preparation of Contract submittals as a line item payment in the schedule of values.
- 6) Execution of Schedule. Contractor shall perform the Work in general accordance with the most recent schedules submitted to and accepted by City. Contractor shall indicate in the schedule updates any Work that is not proceeding according to the schedule and shall provide a written plan of action to bring the Work into compliance with the schedule or to otherwise ensure that the Work will be completed within the Contract Time.

vii) Documents and Records.

- 1) Record Documents. Contractor shall update at least weekly, at the Project Site, or at such other location as City may authorize in writing, one legible copy of all Contract Documents annotated with all changes ("Record Documents"), including but not limited to Addenda, RFIs, ASIs, and Change Orders. Contractor shall also maintain on site a complete record and copy of all approved submittals, shop drawings and product samples. Failure to update in a timely manner as required by this section may result in withholding payment by City. Contractor shall keep these documents in good order and available to City's consultants or representatives and all authorities having jurisdiction. Contractor shall coordinate with City's representatives and consultants and shall submit its verified report(s) according to Oregon law or as required by authorities having jurisdiction. The Contractor shall submit the completed and finalized project record to City in accordance with the contract documents prior to Final Acceptance.

- 2) Daily Job Reports. Contractor shall maintain at least one (1) set of reports on the Project prepared by Contractor's employee(s) present on site, and which includes following information: a brief description of all Work performed on that day; a summary of all pertinent events and/or occurrences on that day including records of all tests and inspections; a list of all subcontractor(s) working on that day; a list of each Contractor employee working on that day; the total hours worked for each employee; a complete list of all equipment on the Project that day, whether in use or not; the time Work commenced and ended; weather conditions; accidents or injuries; and Work progress made for that day ("Daily Job Reports"). Contractor shall keep the Daily Job Reports current and in good order and shall make current copies available to City upon request.
- 3) Maintenance of Records after Final Payment. Contractor shall make available at its office at all reasonable times the materials described in this paragraph for the examination, audit, or reproduction until six (6) years after final payment under this Contract: (a) all Daily Job Reports or other Project records of Contractor's project manager(s), construction superintendent(s), and/or project foreperson(s); (b) all certified payroll records and/or related documents including, without limitation, payroll, payment, timekeeping and tracking documents; (c) all books, estimates, records, contracts, documents, bid documents, bid cost data, subcontract job cost reports, and other data of Contractor, any subcontractor, and/or supplier, including computations and projections related to bidding, negotiating, pricing, or performing the Work or Contract modification, in order to evaluate the accuracy, completeness, and currency of the cost, manpower, coordination, supervision, or pricing data at no additional cost to City. These documents may be duplicative and/or be in addition to any bid documents held in escrow by City.
- 4) Submittals. Contractor shall submit shop drawings, product data, samples and mock ups as required by the Contract Documents that have been verified and coordinated with the requirements of the Work and of the Contract Documents. Contractor shall not perform any portion of the Work until the submittals for that portion have been approved by City.
- 5) Professional Design Services. City will not require Contractor to perform professional services which constitute the practice of architecture, engineering, or surveying unless such services are specifically required by the Contract Documents as a part of the Work or unless Contractor must provide such services in order to carry out Contractor's responsibilities under the Contract. City shall specify performance and design criteria that such professional services must satisfy.
- 6) Ownership of Documents. All copies of Drawings, Specifications, and copies of other incidental architectural and engineering work, or copies of other Contract Documents furnished by City or generated by Contractor, including those in electronic form, are the property of City.
- 7) Copyright and License. Neither Contractor nor any subcontractor, or material or equipment supplier, will own or claim a copyright in the documents prepared by the City's consultants. City hereby grants Contractor, subcontractors, sub-subcontractors, and material or equipment suppliers a limited license to use applicable portions of the Drawings and Specifications prepared for the Project in the execution of their Work under the Contract Documents.
- 8) Royalties, Licenses and Copyrights. Contractor shall obtain and pay, when required by law, all royalties and license fees necessary for prosecution of Work before the earlier of the date of the commencement of the Work or the date the license is legally required to continue the Work without interruption. Contractor shall defend suits or claims of infringement of patent, copyright, or other rights and shall hold City, City's consultants, and City's representatives harmless and indemnify them from loss on account of claims for infringement to the extent Contractor knew, or with reasonable diligence should have known, that the use of a specified design, process, or product would constitute infringement.

- 9) Intellectual Property. The review by City or Architect of any method of construction, invention, appliance, process, article, device, or material of any kind is limited to a review for adequacy for the Work and is not approval for use by Contractor in violation of any patent or other rights of any person or entity.

viii) Tests and Inspections.

- 1) Tests, inspections and approvals of portions of the Work shall be made as required by the Contract Documents and by applicable laws, statutes, ordinances, codes, rules and regulations or lawful orders of public authorities.
- 2) Unless otherwise provided, Contractor shall arrange for such tests, inspections, and approvals, and shall bear the associated costs. Contractor shall notify City of scheduled tests and/or inspections and approvals, so that City or its designated representative may be present for such procedures, which presence shall be at City's expense.
- 3) Contractor shall not incorporate any material into the Work that has not satisfied all testing, inspection, or approval requirements of the Contract Documents.
- 4) Contractor shall secure and promptly deliver required certificates of testing, inspection or approval to City, unless otherwise provided by the Contract Documents.
- 5) If testing, inspection, or approval required by the Contract Documents, or otherwise required by City, reveal failure of the Work to comply with requirements of the Contract Documents, all costs made necessary by such failure, including those of repeated procedures and compensation of City's costs, shall be at Contractor's expense.

ix) Work Under the Contract.

- 1) Defective Work. At City's sole option, Contractor shall repair or replace any and all Work, together with any other Work that may be displaced in doing so, that may prove defective in workmanship and/or materials within a one (1) year period from Substantial Completion of the Work without expense whatsoever to City. In the event Contractor fails to commence and diligently pursue such replacements or repairs within ten (10) days after being notified in writing, Contractor hereby acknowledges and agrees that City may correct such defects, without voiding any guarantee or warranty, at Contractor's expense. Payment shall become due upon City's demand, and shall be an obligation secured by Contractor's performance bond.
- 2) Correction of Work. If, in the opinion of City, defective Work creates an exigent or dangerous condition or requires immediate correction or attention to prevent injury to persons or property or to prevent interruption of City operations, City may, upon making a good faith attempt to notify Contractor, proceed to make some or all replacements or repairs as may be reasonably required in the circumstances. The costs of such work will be charged against Contractor and shall become due upon City's demand.
- 3) Manufacturer's Warranties. The above provisions do not in any way limit the guarantees on any items for which a longer guarantee is specified or on any items for which a manufacturer gives a guarantee for a longer period. Contractor shall furnish to City all appropriate guarantee or warranty certificates as indicated in the Specifications or upon request by City. Contractor shall obtain and preserve for the benefit of City, manufacturer's warranties on material, fixtures, and equipment incorporated into the Work. Contractor shall furnish City with all guarantee or warranty certificates as indicated in the Specifications or upon City's request.
- 4) Cutting and Patching. Contractor shall do all cutting, fitting, patching, and preparation of Work as required to make its several parts come together properly, to fit it to receive, or be received by work of other Contractors, and to coordinate tolerances to various pieces of work, showing upon, or reasonably implied by, the Drawings and Specifications for the completed structure, and shall conform them as City may direct.

- 5) Alteration of Work by Contractor or Others. Contractor shall not endanger any Work performed by it or anyone else by cutting, excavating, or otherwise altering Work and shall not cut or alter Work of any other Contractor except with consent of City.
- 6) Cleaning up. Contractor shall keep the Project Site and surrounding area, including public rights of way, free from dust, mud, dirt, or accumulation of waste materials or rubbish caused by operations under the Contract. At completion of the Work, Contractor shall clean the site, streets, and sidewalks and shall remove from the Project waste materials, rubbish, Contractor's tools, construction equipment, machinery, and surplus materials.
- 7) Access to Work. Contractor shall provide City and its representatives access to the Work in preparation and progress wherever located.

x) Allowances.

- 1) Contractor shall include all allowances stated in the Contract Documents in the Contract Total. Unless the Contract Documents provide otherwise, Contractor shall include in the Contract Total, separate from allowances, amounts necessary to cover the cost of materials and equipment delivered at the site and all required taxes, less applicable trade discounts, Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses contemplated for stated allowance. City shall adjust the Contract Total through a Change Order whenever costs are more than allowances. City shall provide a Change Order amount that reflects the difference between the actual cost and the allowance.

xi) Warranty.

- 1) Contractor warrants to City and Architect that materials and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform to the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. Contractor's warranty excludes remedy for damage or defect caused by abuse, modifications not executed by Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear and normal usage. If required by Architect or City, Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.
- 2) Contractor guarantees all work against defects in material or workmanship for a period of one (1) year from the date of substantial completion.
- 3) If, after 10 days' notice, Contractor fails to proceed to cure any breach of this warranty, City may have the defects corrected and Contractor and its surety shall be liable for all expenses incurred. In case of an emergency, where, in the opinion of City or Architect, delay would cause serious loss or damage, corrective work may be undertaken without advance notice to Contractor; but Contractor and its surety shall remain liable for all expenses incurred. The remedies stated in this subsection are not exclusive, but are cumulative of any other remedies City may have.
- 4) Contractor shall assign, and shall obtain from subcontractors and assign, all manufacturers' warranties to City and all guarantees and warranties of goods supplied under this Contract shall be deemed to run to the benefit of City. Contractor shall provide City with all manufacturers' warranty documentation and operations and maintenance manuals not later than the date of Final Acceptance of the Work by the City.

IV) Subcontractors.

- i) Subcontractor Disclosure.** Contractor shall provide City a list of all subcontractors and major suppliers with a name, address, telephone and fax numbers, Oregon license number(s), classification, and monetary value of each subcontract for labor, material, or equipment. If City objects, City shall promptly provide a written notice of objection. Contractor shall not contract with a proposed person or entity to which City reasonably objects or that is ineligible to receive a subcontract under ORS 279C.860, and shall procure a replacement subcontractor that is acceptable to City. City shall provide a Change Order before commencement of substitute subcontractor's Work for the increase or decrease in the Contract Total and Contract Time occasioned by such change, unless the subcontractor is ineligible under ORS 279C.860, and Contractor shall be fully responsible for performance of the substituted subcontractor under the Contract Documents. Contractor shall be solely responsible to determine whether any proposed subcontractor is eligible.
- ii) Pass-Through.** Contractor shall require each subcontractor, by written agreement, to be bound to Contractor by terms of this Contract to the extent it applies to the Work performed by subcontractor. Contractor shall provide copies of subcontract agreements upon City's request.
- iii) No Waiver.** City's consent or failure to object to any subcontractor does not relieve Contractor of any obligations under this Contract and is not a waiver of any provisions of this Contract. A waiver is not effective unless it is in writing and is signed by the City.
- iv) Substitution and Assignment.** Contractor shall not, without City's written consent:

 - 1) Substitute any person as a subcontractor in place of the subcontractor designated in the original bid.
 - 2) Permit any Subcontract to be assigned or transferred, or allow any portion of the Work to be performed by anyone other than the subcontractor listed in the original bid; or
 - 3) Sublet or subcontract any portion of the Work in excess of one-half of one percent (1/2 of 1%) of Contractor's total bid as to which his original bid did not designate a subcontractor.
- v) Coordination of Work.** Contractor shall coordinate the trades, subcontractors, sub-subcontractors and material or equipment suppliers working on the Project.
- vi) Subcontractor Dispute Resolution.** Contractor shall settle any difference between Contractor and its subcontractor(s) or between subcontractors.
- vii) Assignment.** Contractor shall include assignment provisions in each subcontract as indicated in the termination provisions set forth in these General Conditions.

 - 1) **Contingent Assignment of Subcontractors.** Contractor shall assign to City each subcontract agreement for a portion of the Work provided that:
 - (A) Assignment is effective only after termination of this Contract by City for cause or stoppage of the Work by City, and only for those subcontract agreements which City accepts in its sole discretion by notifying the subcontractor and Contractor in writing; and
 - (B) Assignment is subject to the prior rights of the surety, if any, obligated under bond relating to this Contract.
 - 2) Upon such assignment, if the Work has been suspended for more than thirty (30) days, City shall equitably adjust subcontractor's compensation for increases in cost resulting from the suspension.
- viii) Prompt Payment of Subcontractors.** Contractor shall promptly pay subcontractors as required by the Contract.

V) Construction by City.

- i) Other Contractors. City may let other contractors perform work with its own forces, in connection with the Project. Contractor shall afford other contractors reasonable opportunity for introduction and storage of materials and execution of their work and shall properly coordinate and connect the Work with the work of other contractors. If Contractor claims that delay or additional cost is involved because of such action by City, Contractor shall make such claim in the manner provided in the Contract Documents.
 - 1) Contractor shall protect the work of other contractors that it encounters while working on the Project.
 - 2) If any part of Contractor's Work depends upon completion of the work of City or others for proper execution, Contractor shall inspect and promptly report to City any discrepancy or defective condition in such work. Contractor's failure to inspect and report will be deemed acceptance of all work of others as fit and proper for reception of Contractor's Work. Contractor is liable for damages for work of others that Contractor failed to inspect, except for defects that were not discoverable and may develop in City's or any other contractor's work after execution of Contractor's Work.
- ii) Mutual Responsibility. Contractor shall reimburse City for costs incurred by City which are payable to a separate contractor because of delays, improperly timed activities or defective construction of Contractor. City shall reimburse Contractor for costs incurred by Contractor because of delays, improperly timed activities, and damage to the Work or defective construction of a separate contractor.
- iii) City's Right to Clean Up. If a dispute arises among Contractor, separate contractors and City as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, City may clean up and the City shall allocate the cost among those responsible.

VI) Changes in the Work.

- i) Change Orders.
 - 1) Change Order. A document prepared by the City Representative and signed by the City, the City Representative, the Architect, and the Contractor assigned designee, stating their agreement upon all of the following: (1) a change in the Work; (2) the amount of the adjustment in the Contract Total, including all costs, overhead and profit, if any; and (3) the extent of the adjustment in the Contract Time, if any, issued after the effective date of the Agreement.
 - 2) A Proposed Change Order (PCO) is a document prepared by the Contractor to seek additional compensation and/or time from the City. The Contractor shall provide a written PCO narrative explaining its reasons for requesting additional compensation or time. The written PCO narrative shall reference all related schedule activities and contract specification sections and drawings directly pertaining to the PCO, include all costs, overhead and profit.

- 3) Change Pricing. In the absence of applicable unit prices or other agreement, the changed work will be priced in accordance with the following provisions:
- (A) In no case shall the sum of the individual markups applied to a General Contractor's Modification exceed fifteen percent (15%), regardless of the number of Subcontractor tiers involved in performing the Work.
 - (B) The total combined mark-up for a Subcontractor and his lower-tier Subcontractor shall not exceed ten percent (10%). Costs of tax and insurance shall not be marked up.
 - (C) For work perform by a subcontractor, the subcontractor will receive 10% markup for direct costs. The General Contractor shall receive a five percent (5%) of the subcontractor's direct costs for processing.
 - (D) For self-performed work by the General Contractor, the markup shall equal fifteen percent (15%) of the direct cost as defined herein.
 - (E) Bonding may be increased a maximum of one percent (1%) provided the Contractor demonstrates to the City a requirement to increase bonding.
 - (F) If the net value of a change results in a credit from the Contractor or subcontractor, the credit shall be the actual net cost, plus five percent (5%) for overhead and profit. When both additions and credits covering related work or substitutions are involved in any one change, the allowance for overhead and profit shall be figured on the basis of the net increase or decrease, if any, with respect to the change.
- 4) Equipment Costs:
- (A) The allowance for equipment costs (both rental as well as Contractor-owned equipment) shall be based on actual and verified rental company rates. Hourly, daily, weekly, or monthly rates shall be used, whichever is lower. Hourly rates including operator shall not be used. Unless otherwise specified, manufacturer's ratings and manufacturer approved modifications shall be used to classify equipment for determination of applicable rental rates.
 - (B) The actual time to be paid for equipment shall be the time that the equipment is in productive operation on the Work under Contract Modification. In computing the hourly rental of equipment, any time less than thirty (30) minutes shall be considered one-half (1/2) hour. No payment will be made for time while equipment is inoperative due to breakdown, or for non-workdays. In addition, the rental time shall not include the time required to move the equipment to and from the project site. No mobilization or demobilization will be allowed for equipment already on site. If such equipment is not moved by its own power, then loading and transportation costs will be paid in lieu of rental time thereof. However, neither moving time nor loading and transportation costs will be paid if the equipment is used on the Project Site in any other way than upon the work directly related to the Contract Modification.
- 5) Small Tools. Individual pieces of equipment having a replacement value of two thousand dollars (\$2,000) or less shall be considered to be small tools or small equipment, and no payment will be made since the costs of these tools and equipment is included as part of the markup for overhead and profit defined herein.
- 6) Labor rates will not be recognized when in excess of the applicable prevailing wage rate pursuant to ORS 279C.800 to 279C.870 or wage established in any applicable collective bargaining agreement, whichever is higher. The costs for all supervision, including general superintendents and foreman, shall be included in the markup defined herein. Working foreman will be considered a direct cost if the individual is on the project site only installing Work under Contract Modification with no other work being performed at the time. A breakdown of the payroll rates for each trade used for Contract Modifications shall be furnished to the City within thirty (30) calendar days of the Contract Notice to Proceed.

- 7) Premium Time Rate. Shall be the difference between the Overtime Hourly Rate and Straight Time Rate per specific trade and classification as more fully defined herein. City will pay taxes on the Premium Time Rate only. The Premium Time Rate shall be paid without overhead and profit calculated against the differential.
 - 8) Material costs directly required for the performance of the Contract Modification. Such costs may include the cost of transportation. If a trade reduction by an actual supplier is available to the Contractor, it shall be credited to the City. If the materials are obtained from a supplier or source owned wholly by or in part by the Contractor, payment thereof will not exceed the current wholesale price for the materials. The term trade reduction includes the concept of cash discounting.
 - 9) Agreement on Change Order. Agreement on any Change Order is a final settlement of all matters relating to the change in the Work that is the subject of the Change Order, including, but not limited to, all direct and indirect costs associated with such change and any and all adjustments to the Contract Total and the construction schedule.
 - 10) Additional Credits. Contractor shall credit all trade discounts, rebates, refunds, and returns from the sale of surplus material to City
 - 11) Cost Accounting Records. Contractor shall provide all cost accounting records to City upon City's request.
- ii) Construction Change Directives. A Construction Change Directive is a written order signed by City, directing a change in the Work prior to agreement on adjustment, if any, in the Contract Total or Contract Time, or both. City may by Construction Change Directive, without invalidating the Contract, order changes in the Work within the general scope of the Contract, the Contract Total and Contract Time being adjusted accordingly. City and Contractor may use a Construction Change Directive in the absence of total agreement on the terms of a Change Order. Upon receipt of a Construction Change Directive, Contractor shall promptly proceed with the change in Work directed and shall advise City of Contractor's agreement or disagreement with the proposed method, if any, provided in the Construction Change Directive for adjustment in the Contract Total or Contract Time.
- 1) Force Account. When a definite price has not been agreed upon in advance and it is to be paid on a force account basis, City may establish a not-to-exceed budget. Contractor shall submit daily all direct costs necessarily incurred and paid for labor, material, equipment, permit fees, taxes, and increased costs of bonds and insurance related to the Work for approval by City. Contractor shall not exceed the budget unless City specifically authorizes the overrun in writing. City shall pay only for actual costs verified in the field by City on a daily basis. When City and Contractor reach agreement upon the adjustment for price and time, Contractor and City shall prepare and execute an appropriate Change Order.
 - 2) Negotiating Changes. If City and Contractor are unable to agree upon change order terms, or if in the opinion of City the Work must proceed before an agreement can be negotiated, City may order Contractor to proceed with the changes, and Contractor shall comply. In such event, Contractor shall keep detailed daily records as to all labor employed in connection with the changes. Contractor's records will itemize costs for labor, materials, equipment rental, and transportation. Contractor shall submit the records for approval to the City. If Contractor fails to keep such records, all such Work will be deemed to have been performed at Contractor's own expense. City and Contractor shall attempt to negotiate fair and reasonable adjustments to the Contract for changes in the Work. Contractor shall submit to City all evidence in support of Contractor's proposals.
 - 3) Markup. No fee or other markup of any kind will be applicable to any premium portion of wages, taxes, or related benefits. In the event of addition or deletion of like items in a change order or change directive, the like item quantity will be summed and the unit prices or the percentage fee will be applied to the total.

- 4) Written Authorization Required. In no event shall Contractor proceed with changes in the Work without a written order from City to so proceed. City will be under no obligation to pay for unauthorized extra, additional, or changed Work performed by Contractor without a written Change Order, Construction Change Directive, or other written order to proceed duly authorized and executed by City.
- 5) Minor Changes. Contractor shall promptly carry out minor changes in the Work issued through written order of City's representative, through the authority granted to it by City, not involving adjustment in the Contract Total or extension of the Contract Time, and not inconsistent with the intent of the Contract Documents.

VII) Time.

- i) Time is of the Essence. Time limits stated in the Contract Documents are of the essence of the Contract. Contractor shall proceed expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.
- ii) No Work Without Insurance. Contractor shall not, except by written direction by City, prematurely commence operations on the site or elsewhere prior to the effective date of insurance to be furnished by City and Contractor. The date of commencement of the Work is not changed by the effective date of insurance.
- iii) Notice to Proceed. City shall issue a Notice to Proceed within a reasonable time following the date of execution of this Contract. To the maximum extent permitted by law, Contractor is not entitled to additional compensation as a result of a postponement of the issuance of Notice to Proceed. The Parties acknowledge the sole remedy for the Contractor in such circumstances is an extension of Contract Time to achieve Substantial Completion.
- iv) Working Hours. Contractor shall perform Work during regular working hours as permitted by City. Contractor shall, when required to achieve Substantial Completion within the Contract Time, Work outside of regular working hours such as evenings and/or weekends at no additional cost to City. Contractor shall perform all evening and/or weekend work only upon City's advance approval and in compliance with all applicable rules, regulations, laws, and local ordinances including, without limitation, all noise and light limitations.
- v) Delays and Extensions of Time.
 - 1) Float and Slack. Float or slack is the amount of time between the early start date and the late start date, or the early finish date and the late finish date, of any activity in the schedule. Any float time to activities not on the critical path shall belong to the Project, and may be used by the Project to optimize its construction process. Any float time between the end of the final construction activity and the final completion date shall belong to the City, and may be used by the City in determining if additional contract days are to be awarded for changes in the contract or for delays to the contract caused by the City. The Contractor will not be entitled to any adjustment in the Contract Time, the Construction Schedule, or the Contract Total, or to any additional payment of any sort by reason of the City's use of float time between the end of the final construction activity and the final completion date or by reason of the loss or use of any float time, including time between the Contractor's anticipated completion date and end of the Contract Time, whether or not the float time is described as such on the Construction Progress Schedule.
 - 2) Adverse Weather. Contract Time is determined with consideration given to the average climate weather conditions prevailing in the County in which the Project is located during any given month as published by the National Oceanic and Atmospheric Administration (NOAA) and averaged over the past 10 years. Contractor may request a time extension for adverse weather if it causes delays that unreasonably increase the labor required to complete the scheduled tasks on the day affected by adverse weather not reasonably anticipated. Contractor shall not be allowed an increase in Contract Total for the delay. Contractor shall work additional days if necessary at no cost to City, irrespective of adverse weather, to maintain access and the Contract Schedule, and to protect the Work from the effects of Adverse Weather.

- 3) Extensions of Time. Extensions of Contract Time will be permitted for a delay only to the extent the delay: (1) is not caused or could not have been anticipated by the Contractor; (2) could not be limited or avoided by the Contractor's timely notice to the City of the delay or reasonable likelihood that a delay will occur; and (3) is of a duration not less than one day.. Such occurrences may include industry-wide labor dispute, fire, unavoidable casualties, adverse weather conditions not reasonably anticipated, or other occurrences that City determines may justify delay. Any extension the City grants will be net of any delays caused by or due to the fault or negligence of Contractor, and net of any contingency or "float" allowance included in the Progress Schedule. Contractor will not be allowed an increase in Contract Total for an extension of Contract Time. The Contractor shall be deemed to have control over the supply of labor, materials, equipment, methods, techniques and over the Contractor's subcontractors and suppliers.
- 4) Requests for Extension. Contractor shall submit requests for extension of time in writing and shall include (a) the duration of the activity relating to changes in the Work and the resources, including manpower, equipment, and material, required to perform the activities within the stated duration; (b) specific logical ties to the Contract Schedule for the proposed change showing the activities that are affected by the change and/or delay; and (c) recovery schedule.

VIII) Protection of Persons, Property, and the Environment

- i) Safety Program. Contractor shall initiate, maintain, and supervise all safety precautions and programs in connection with performance of the Contract. Contractor is solely and completely responsible for conditions of the Work site, including safety of all persons and property during performance of the Work, including the property of third-parties and real and personal property outside the Project area. This requirement will apply continuously and is not limited to normal working hours.
- ii) City's Policies. This Contract and all individual contracts and purchase orders incorporate by this reference City's safety policies current as of the date of commencement of Work, which have been or will be made available to Contractor.
- iii) Subcontractor Safety. Contractor shall review with all subcontractors the methods, materials, tools, and equipment to be used to verify their compliance with all safety standards and laws and Contractor shall comply with them, to ensure safe, hazard-free conditions for all persons visiting or working on the entire Project Site and City's adjoining facilities. Contractor shall implement and maintain a safety program that is specifically adapted for the Project and complies with all applicable requirements of Oregon OSHA. Contractor shall furnish a copy of the safety program to City before commencing Work.
- iv) MSDS Sheets. Contractor shall provide Material Safety Data Sheets to City for all chemicals used on the Project Site as required by law.
- v) Safety Coordinator. Contractor shall designate a responsible member of its organization on the Project, whose duty is to post information regarding protection and obligations of workers and other notices required under occupational safety and health laws, to comply with reporting and other occupational safety requirements, and to protect the life, safety, and health of workers. Contractor shall report the name and position of person so designated to City.
- vi) Correction of Unsafe Conditions. Contractor shall correct any violations of safety laws, rules, orders, standards, or regulations. Contractor shall correct violations promptly upon the issuance of a citation or notice of violation by the Division of Occupational Safety and Health.
- vii) Personal Protection Equipment. Contractor's personnel and all workers shall wear personal protective equipment at all times. Contractor shall maintain supplies of protective equipment sufficient to properly equip all employees and visitors.

- viii) Safety Devices. Contractor shall take, and require subcontractors to take, all reasonably necessary precautions for safety of workers on the Project. Contractor shall furnish, erect, and properly maintain at all times, all necessary safety devices, safeguards, construction canopies, signs, nets, barriers, lights, and watchmen for protection of workers and the public and shall post danger signs warning against hazards created by such features in the course of the Work.
- ix) Barricades and Signage. Contractor shall post necessary warning signs and barricades to ensure the safety of all occupants. Contractor shall not display any signs not required by law or the Contract Documents without City's prior written approval.
- x) Labeling of Containers. Contractor shall ensure proper labeling of substances on the Project Site.
- xi) Storage. Contractor shall confine apparatus, the storage of materials, and the operations of workers to limits indicated by law, ordinances, permits, or directions of City, and shall not interfere with the Work or unreasonably encumber the Project Site or overload any structure with materials. Contractor shall enforce all instructions of City regarding signs, advertising, fires, and smoking, and require that all workers comply with all regulations while on Project Site
- xii) Protection of Work. Contractor shall protect the Work, including stored materials and equipment, from all damage or harm, including damage from heat, cold, rain, snow, wind, flooding, and dampness. Contractor shall provide and maintain temporary roofs, window and door coverings, enclosures, or other construction reasonably required to protect the Work at all times during the course of construction. Contractor shall take all additional steps reasonably necessary, or as directed by City, to protect the Project, the Site, and the Work from damage associated with anticipated extreme weather events. Contractor shall not be entitled to additional payment or time to the extent its costs or delays would have been avoided if Contractor had complied.
- xiii) Protection of Existing Structures. Contractor shall protect existing structures, walks, curbs, pavements, roads, trees, landscaping, survey markers, monuments, or other devices marking property boundaries or corners, and/or improvements in working areas, utilities, and adjoining property (including, without limitation, protection from settlement or loss of lateral support). Contractor shall replace same at his expense with same kind, quality, and size of Work or item if temporary removal is necessary, or damage occurs due to the Work.
- xiv) Water Quality. Contractor shall comply with all applicable water quality laws and regulations, including permitting, monitoring, and reporting of storm water discharge applicable to the Work, at no additional cost to City. Contractor shall indemnify and hold City harmless from loss, cost, or liability arising out of Contractor's violation of such laws or regulations.
- xv) Neighborhood Impacts. Contractor shall take all reasonable precautions to protect neighborhood property from damage or nuisance associated with the Work. Contractor shall promptly respond to complaints by neighbors or authorities concerning impacts to neighboring properties and public facilities and shall be solely responsible for cleaning, repair, or replacement of property soiled or damaged by Contractor's operations and settlement of claims or demands of neighbors associated with conduct of its personnel.
- xvi) Housekeeping. Contractor shall maintain good housekeeping practices to reduce the risk of fire damage and shall make a fire extinguisher, fire blanket, and/or fire watch, as applicable, available at each location where cutting, braising, soldering, and/or welding is being performed or where there is an increased risk of fire.
- xvii) Security and Site Access. Contractor shall ensure that all existing or operating systems, utilities, existing on-site services and access avenues are on and in operating condition before leaving the Project Site each day. If any system, utility, or access avenue is not operable, Contractor shall notify City before Contractor leaves the Project Site that day.

IX) Hazardous Materials.

- i) With respect to Hazardous Materials to be used during the course of the Work, the Contractor will implement and enforce a program to inventory and properly store and secure all Hazardous Materials that may be used or present on the Project site, maintain available for inspection at the Project site all material safety data sheets, and comply with all regulations required by law for the storage, use, and disposal of Hazardous Materials. The program must provide for notification of all personnel of potential chemical hazards. Review of these hazards must be included in the Contractor's safety training program. The Contractor shall submit to the City a list of all Hazardous Materials to be brought by the Contractor or its Subcontractors onto the City's property, including the purpose for their use on the Project.
- ii) In the event of a release or discovery of a preexisting release of Hazardous Materials, or if it is foreseeable that injury or death to persons may occur because of any material or substance (including without limitation Hazardous Materials) encountered on the Project site, the Contractor shall immediately (a) stop the Work or the portion of the Work affected; (b) notify the City orally and in writing; and (c) protect against exposure of persons to the Hazardous Materials. The Contractor shall provide all written warnings, notices, reports, or postings required at law or by contract for the existence, use, release, or discovery of Hazardous Materials.
- iii) With respect to any Hazardous Materials or other material or substance reported to the City under the above that was not introduced to the Project site by the Contractor or its Subcontractors of any tier, the City shall obtain the services of a qualified environmental consultant to verify the presence or absence of the material or substance reported by the Contractor and, in the event such material or substance is found to be present, to verify it to be rendered harmless. Unless otherwise required by the Contract Documents, the City shall furnish in writing to the Contractor and Architect the names and qualifications of persons or entities who are to perform tests verifying the presence or absence of such material or substance or who are to perform the task of removal or safe containment of such material or substance. The Contractor and the Architect will promptly reply to the City in writing stating whether or not either has reasonable objection to the persons or entities proposed by the City. If either the Contractor or Architect has an objection to a person or entity proposed by the City, the City shall propose another to whom the Contractor and the Architect have no reasonable objection. When the material or substance has been rendered harmless, Work in the affected area shall resume upon written agreement of the City and Contractor. By Change Order, the Contract Time may, subject to agreement by the City and the Contractor, be extended appropriately and the Contract Total shall be increased in the amount of the Contractor's reasonable additional costs of shut-down, delay and start-up, which adjustments shall be accomplished as provided in the Contract.
- iv) With respect to any Hazardous Materials or other material or substance reported to the City under the above that was introduced to the Project site by the Contractor or its Subcontractors of any tier, the Contractor shall be responsible to carry out the duties of (a) proposing to the City and the Architect a qualified environmental consultant; (b) obtaining and paying for the services of the environmental consultant; and (c) verifying that the material is rendered harmless, as otherwise set forth in the above. The Contractor will not be entitled to an increase in the Contract Total if the Contractor or its Subcontractors of any tier are responsible for the condition requiring the testing of the material and the stoppage of the Work. Remediation work must be conducted by properly qualified contractors approved in advance by the City. Generally, the City may at its option contract directly with environmental consultants, and remediation contractors, regardless of whether the work will be performed at the Contractor's expense.

- v) To the extent permitted by the Oregon Constitution and the Oregon Tort Claims Act, the City shall indemnify and hold harmless the Contractor, Subcontractors, Architect, Architect’s consultants and the agents and employees of the Contractor, Subcontractors, Architect, and Architect’s consultants from and against claims, damages, losses and expenses, including without limitation attorney fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance was not introduced to the Project site by the Contractor or its Subcontractors of any tier, presents the risk of bodily injury or death, and has not been rendered harmless. No indemnification provided by the City under this Section will be required to indemnify the Contractor, Subcontractors, or their employees or agents to the extent of liability for death or bodily injury to persons or damage to property caused in whole or in part by the Contractor’s own negligence, but will require indemnity to the extent of the fault of the City or its agents or representatives.
- vi) To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the City, the City’s Representatives, and the employees of the City from and against claims, damages, losses, and expenses, including without limitation attorney fees, arising out of or resulting from performance of the Work in the affected area if in fact the material or substance was introduced to the Project site by the Contractor or its Subcontractors of any tier, presents the risk of bodily injury or death, and has not been rendered harmless. No indemnification provided by the Contractor under this Section will be required to indemnify the City or its agents or representatives to the extent of liability for death or bodily injury to persons or damage to property caused in whole or in part by the City’s own negligence, but will require indemnity to the extent of the fault of the City or its agents or representatives.
- vii) Hazardous Materials are any substance defined or designated as being radioactive, infectious, hazardous, dangerous, or toxic by any federal, state, or local statute, regulation, or ordinance presently in effect or subsequently enacted. For purposes of Article 9, the term “introduce” means the physical placement or transportation of Hazardous Materials in or on the Project site regardless of whether the Hazardous Material was specified, required, or otherwise addressed in the Contract Documents.

X) Insurance and Bonds.

- i) Contractor’s Insurance. Contractor shall procure, prior to commencement of Work, and maintain for the duration of this Contract, or such longer time as may be provided, insurance against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the Work by Contractor, its agents, representatives, employees and subcontractors as set forth in the Contract Documents. Contractor’s liabilities, including but not limited to Contractor’s indemnity obligations, under this Contract, will not be deemed limited in any way to the insurance coverage required herein. Maintenance of insurance coverage is a material requirement of this Contract and Contractor’s failure to maintain or renew coverage or to provide evidence of renewal during the term of this Contract, as required or when requested, may be treated as a material breach.
- ii) Performance Bond and Payment Bond. Contractor shall provide a performance bond and a payment bond as required by the Contract prior to start of Work.

XI) Uncovering and Correction of Work.

- i) Uncovering of Work. If a portion of the Work is covered without Project Inspector and/or Architect approval or not in compliance with the Contract Documents, Contractor shall, if required in writing by City, Project Inspector, or Architect, uncover the Work for observation and replace it at Contractor’s expense without change in Contract Total or Contract Time.

- ii) Correction of Work. Contractor shall, at its own expense, promptly correct Work that is rejected by City, Architect, or any governmental authority or otherwise fails to conform to the requirements of the Contract Documents, regardless of when it is discovered and regardless of whether the Work is fabricated, installed or completed. Contractor shall pay for all additional testing, inspection, or other compensation including City and Architect's additional services required for the correction of Work.
- iii) Correction of Work after Substantial Completion. If, after Substantial Completion, any Work is not in accordance with the requirements of the Contract Documents, City shall provide Contractor with written notice to correct the Work promptly after discovery of the condition. Contractor shall correct the nonconforming Work within a reasonable time after receipt of notice.

XII) Rights and Remedies.

- i) No Waiver. The duties and obligations imposed by the Contract Documents and rights and remedies available are in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law. No action or failure to act by any party shall constitute a waiver of a right or duty afforded the party under this Contract, nor does any act or omission constitute approval of or acquiescence in a breach, except as may be specifically agreed in writing.
- ii) Independent Contractor.
 - 1) Contractor is engaged as an independent Contractor. Although City reserves the right: (a) to determine (and modify) the delivery schedule for the Work; and (b) to evaluate the quality of the completed performance, City cannot and will not control the means or manner of Contractor's performance, nor provide any tools or equipment for the performance of the Work, except as provided elsewhere in this Contract. Contractor shall determine the appropriate means and manner of performing the Work.
 - 2) Contractor is wholly responsible for the manner in which it and its subcontractors perform the Work required of it by the Contract Documents. City may monitor Contractor's activities to determine compliance with the terms of this Contract.
 - 3) Contractor shall pay all federal, state and local taxes applicable to compensation or payments paid to Contractor under this Contract and, unless Contractor is subject to backup withholding, City shall not withhold from such compensation or payments any amount(s) to cover Contractor's tax obligations.
 - 4) Contractor is not an employee of the federal government or the State of Oregon.
 - 5) Contractor is not a contributing member of the Public Employees Retirement System.
 - 6) Neither Contractor, nor any of Contractor's subcontractors, agents or employees are "officers," "employees," or "agents" of City or any of City's employees or agents, as those terms are used in ORS 30.265. Contractor bears exclusive responsibility for the acts of its employees as they relate to the services to be provided during the course and scope of their employment. Contractor, its subcontractors, agents, and its employees are not entitled to any rights or privileges of City employees.

XIII) Compliance With Laws.

- i) Contractor shall comply with all laws, codes, regulations, and applicable requirements imposed by governmental authorities having jurisdiction over the Work, including but not limited to, environmental, zoning, building code, public contracting, and other related laws.

- ii) Environmental Mitigation. Contractor shall comply with all applicable mitigation measures, if any, adopted by any public agency with respect to this Project pursuant to the environmental protections laws of the State of Oregon.
- iii) Work Performed Illegally. Contractor will bear all costs arising from Work performed that it knew, or through exercise of reasonable care should have known, was contrary to any applicable laws, ordinance, rules, or regulations.
- iv) Prior Approvals. Contractor shall obtain approval of material, processes, or procedures by the Oregon state agencies or other body or agency where required by the Specifications or Drawings.

XIV) Claims and Disputes.

- i) Claim. A Claim is a demand or assertion by a party seeking, as a matter of right, adjustment or interpretation of Contract terms, payment of money, extension of time, or other relief with respect to the terms of the Contract. Claim includes other disputes and matters in question between City and Contractor arising out of or relating to the Contract. Parties will initiate Claims only by written notice. The party making the Claim is responsible for substantiating the Claim.
- ii) Time to Initiate Claim. The party making a Claim shall initiate the Claim within fourteen (14) days after the occurrence of the event giving rise to such Claim or within fourteen (14) days after the claimant first recognizes the condition giving rise to the Claim, whichever is later. The party making the Claim shall submit written notice to the other party that identifies the known bases for each Claim and the nature and amount of relief sought.
- iii) Written Notice of Claim. If Contractor claims that any instructions issued after the effective date of this Contract, by Drawings or otherwise, involve extra costs, Contractor will be entitled to reimbursement for such extra costs only to the extent Contractor so notifies City in writing before proceeding to execute the affected Work and within five (5) days after receipt of such instructions. Claims and demands for any other cause, whatsoever, by Contractor against City must be served in writing upon City within five (5) days from the occurrence of the cause giving rise to the claim. Timely compliance with the written claim requirements of this Contract is a condition precedent to Contractor's right to payment on account of any claim and failure to provide such written claim or demand or notice will constitute a waiver of such claim.
- iv) No Work Stoppage. Contractor shall proceed diligently with performance of this Contract and City shall continue to make payments in accordance with the Contract Documents pending final resolution of a Claim, except as otherwise agreed in writing or provided for in this Contract.
- v) Differing Site Conditions. A party shall give notice to the other party promptly, and in no event later than five (5) days after first observation, before conditions encountered at the site are disturbed that are: (a) subsurface or otherwise concealed physical conditions that differ materially from those indicated on the Contract Documents; or (b) unknown physical conditions of an unusual nature that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents. The parties shall promptly investigate such conditions, and if they differ materially and cause an increase or decrease in the cost of or time required for performance of any part of the Work, City will propose an equitable adjustment in the Contract Total, Contract Time, or both. If City does not find that the conditions differ materially and cause an increase or decrease in the cost of or time required for performance of any part of the Work, City will notify Contractor in writing. If Contractor disputes City's determination, Contractor shall proceed with the Work and may initiate a Claim no later than twenty one (21) days after receiving notice of the decision.

- vi) Claim for Additional Cost. Contractor shall file a Claim for additional cost under this section if Contractor believes additional cost is involved for reasons including: (a) City's written interpretation of the Contract Documents; (b) City's order to stop Work where Contractor is not at fault; (c) written order for a minor change in Work issued by City's consultant or representative; (d) failure of payment by City; (e) termination of Contract by City; (f) City's suspension; or (g) other reasonable grounds.
- vii) Claim for Delay. If Contractor wishes to make a Claim for a delay, written notice shall be given within fourteen (14) calendar days of the occurrence of the event giving rise to the delay. Contractor's Claim shall include an estimate of cost and of probable effect of delay on progress of the Work. In the case of a continuing delay, only one Claim is necessary. Contractor will not be entitled to additional Contract Time for delays that do not affect the critical path of the Work.
- viii) Claim for Additional Time (Adverse Weather). If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating that weather conditions were abnormal for the period of time, could not have been reasonably anticipated, and had an adverse effect on the scheduled construction. Contractor shall not be entitled to additional compensation for delays caused by adverse weather conditions or any causes beyond City's control. If the Oregon Office of Emergency Management orders Contractor to halt the Work for reasons beyond Contractor's control and that were not reasonably anticipated, the Contract Time shall be equitably extended by Change Order, but only on condition that Contractor provides City with written notice of the delay in accordance with the notice requirements of this Contract.
- ix) Claim for Injury or Damage to Person or Property. If any person suffers physical injury or property damage arising from the Work, regardless of the cause, the party shall immediately give notice of such injury or damage, whether or not insured, to City and Contractor with sufficient detail to enable City and any other party affected to investigate the matter.
- x) Acceptance of Claim. Upon timely receipt of a properly completed Claim and all documentation and/or evidence necessary to substantiate the Claim, City shall evaluate the Claim and provide Contractor with its written decision either accepting the Claim (in whole or in part) or rejecting the Claim (in whole or in part) within twenty (20) days. Should City reject the Claim in whole or in part, City shall generally explain the reasons for such rejection.
- xi) Mediation. Contractor and City agree that any dispute that may arise under the Contract will be submitted to a mediator agreed to by both parties as soon as such dispute arises, but in any event prior to commencement of arbitration or litigation. This provision shall be specifically enforceable in any arbitral or judicial proceeding through stay or abatement of the proceeding upon petition of a party. Mediation shall be conducted in Portland, Oregon, and the mediation fee and expenses shall be shared equally by the parties who agree to exercise their best efforts in good faith to resolve all disputes in mediation.

XV) Termination or Suspension by Contractor.

- i) Termination by Contractor for Work Stoppage. Contractor may terminate this Contract if the Work is stopped for a period of thirty (30) consecutive days through no act or fault of Contractor, subcontractor, or sub subcontractor, or their agents or employees, or any other persons or entities performing portions of the Work under direct or indirect contract with Contractor, for any of the following reasons: (a) issuance of an order of a court or other public authority having jurisdiction which requires all Work to be stopped; (b) an act of government, such as a declaration of a national emergency which requires all Work to be stopped; (c) because the Architect has not issued a Certificate of Payment and has not notified Contractor of the reason for withholding certification, or because City has not made payment on a Certificate for Payment within the time stated in the Contract Documents; or (d) City failed to furnish to Contractor reasonable evidence that financial arrangements have been made to fulfill City's obligations under this Contract.

- ii) Termination by Contractor for Work Interruption. Contractor may terminate this Contract if, through no act or fault of Contractor, subcontractor, or sub subcontractor, or their agents or employees, or any other persons or entities performing portions of the Work under direct or indirect contract with Contractor, repeated suspensions, delays or interruptions of the entire Work by City constitute in the aggregate more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365 day period, whichever is less, or if Work is stopped for a period of sixty (60) consecutive days.
- iii) Compensation. Contractor may recover from City payment for Work executed and for proven loss with respect to materials, equipment, tools, and construction equipment and machinery including reasonable profit and overhead if it provides seven (7) days' written notice to Architect and City prior to termination for the reasons set forth above.

XVI) Termination or Suspension by City.

- i) Termination by City for Cause. City may terminate Contract and/or terminate Contractor's right to perform the Work of this Contract without prejudice to any other rights or remedies by providing seven (7) days' written notice to Contractor and Contractor's surety if Contractor:
 - 1) refuses or fails to execute the Work or any separable part with sufficient diligence to ensure its completion within the time specified or any extension;
 - 2) persistently or repeatedly refuses or fails to supply enough properly skilled workers or proper materials;
 - 3) fails to make payment to subcontractors in accordance with respective agreements;
 - 4) persistently disregards laws, ordinances, or rules, regulations or orders of a public authority having jurisdiction;
 - 5) files a petition for relief as a debtor, or a petition is filed against Contractor without its consent, and the petition is not dismissed within sixty (60) days;
 - 6) makes a general assignment for the benefit of its creditors, or a receiver is appointed on account of its insolvency; or
 - 7) is otherwise guilty of a substantial breach of a provision of the Contract Documents or fails to observe the training, safety, and other precautions including City's policies and Contractor's own safety policies for the Project.
- ii) City's Right to Take Possession. Upon termination for cause, City may take possession of the site and of all materials, equipment, tools, and construction equipment and machinery on the site owned by Contractor, accept assignment of subcontracts, and finish the Work by whatever reasonable method City may deem expedient. Upon request, City shall provide Contractor a detailed accounting of the costs incurred in finishing the Work.
- iii) Compensation. Contractor will not be entitled to receive further payment until the Work is finished. If the unpaid balance of the Contract Total exceeds City's costs to finishing the Work, including compensation for City's consultants and representatives for services made necessary by Contractor's default, and other damages incurred by City which have not been expressly waived, City shall pay the excess to Contractor. If City's costs and damages exceed the unpaid balance, Contractor shall pay the difference to City.

- iv) Suspension for Convenience. City may, without cause, order Contractor in writing to suspend, delay, or interrupt the Work in whole or in part for such period of time as City may determine. City shall adjust Contract Total and Contract Time for increases in the cost (including profit) and time caused by the suspension, delay, or interruption referenced in Section 16.3.1, so long as the performance would not have been suspended, delayed, or interrupted by another cause for which Contractor is responsible and City has not already made or denied another equitable adjustment under another provision of this Contract for the suspension, delay, or interruption.
- v) Termination for Convenience. City may terminate all or part of this Contract for City's convenience at any time and without cause. Contractor shall, upon written notice of such termination, cease operations as directed by City, take actions necessary to protect and preserve the Work, and terminate all existing subcontracts and purchase orders that are not required to perform the Work up to the effective date of termination and the portion of Work not terminated, and enter into no further subcontracts or purchase orders for the portion of this Contract that was terminated. City shall pay Contractor for Work executed and costs reasonably incurred by reason of such termination, along with reasonable overhead and profit on the Work completed. City will not pay profit or overhead allocable to Work which is not performed at the time of termination. If the City terminates Contractor for cause and a court or other tribunal finds that City did not have cause to terminate Contractor, then the court or other tribunal will deem the City's termination a termination for convenience under this section.

XVII) Payments and Completion

- i) Contract Total. The Contract Total is stated in the Contract, and including authorized adjustments, is the total amount payable by City to Contractor for performance of Work under the Contract Documents.
- ii) Schedule of Values. Prior to submission of the first Application for Payment, Contractor shall submit a preliminary schedule of values for all of the Work, including quantities and prices of items aggregating the Contract Total and subdividing the Work into component parts in sufficient detail to serve as the basis for progress payments during construction. Contractor shall include, at a minimum: (a) overhead and profit; (b) supervision; (c) general conditions; (d) layout; (e) mobilization; (f) scheduling; (g) submittals; (h) bonds and insurance; (i) close-out documentation; (j) demolition; (k) installation; (l) rough-in; (m) finishes; (n) testing; and (o) punch list and acceptance ("Schedule of Values").
- iii) Applications for Payment. Contractor shall submit an itemized and notarized application for payment for operations completed in accordance with the Schedule of Values and reflecting applicable retainage ("Application for Payment"). Applications for Payment shall be prepared using forms provided by the City. Contractor shall submit data substantiating Contractor's right to payment where required, such as copies of requisitions from subcontractors and material suppliers, Construction Change Directives, Change Orders, and/or force account information. Contractor shall provide:
 - 1) The amount paid to the date of the Application for Payment to Contractor, all its subcontractors, and all others furnishing labor, material, or equipment for this Contract;
 - 2) The amount being requested by Contractor on its own behalf and separately stating the amount requested on behalf of each of the subcontractors and all others furnishing labor, material, or equipment for this Contract;
 - 3) The balance that is due to each of such entities after payment is made;
 - 4) Certification that the Record Documents are current;
 - 5) Itemized breakdown of Work done for the purpose of requesting partial payment;
 - 6) Updated construction schedule;

- 7) Additions and subtractions from the Contract Total and Contract Time;
 - 8) Total of retainage held;
 - 9) Material invoices, evidence of equipment purchases, rentals, and other support City may request;
 - 10) Percentage complete of Contractor's Work by line item;
 - 11) A Schedule of Values updated from the preceding Application for Payment; and
 - 12) Contractors' Certified Payroll.
- iv) Waivers and Releases.** Contractor shall submit conditional waivers and releases upon progress payment from Contractor and each subcontractor of any tier and supplier to be paid from current progress payment along with an unconditional waiver and release upon progress payment from Contractor and each subcontractor of any tier that received payment from the previous progress payment. Contractor shall certify as follows: "Contractor warrants title to all Work performed and materials purchased as of the date of the payment application; and Contractor warrants that all Work performed and materials purchased as of the date of the payment application are free and clear of liens, claims, security interests, or encumbrances in favor of any persons or entities making a claim by reason of having provided labor, materials, or equipment relating to the Work, except those of which City has been informed."
- v) False Claims.** Contractor is subject to the False Claims Act set forth under ORS Chapter 180 for information provided with any Application for Payment.
- vi) Certificates for Payment.**
- 1) City shall review the Contractor's Application for Payment within a reasonable time after receipt not to exceed seven (7) days for the purpose of determining that it is properly submitted. City shall either return the Application for Payment to Contractor with a document setting forth the reasons why the Application for Payment is not proper, or shall issue a Certificate for Payment for the amounts properly due.
 - 2) City's issuance of a Certificate for Payment is a representation by City, based upon City's evaluation of the Work and the data comprising the Application for Payment, that Contractor is entitled to payment in the amount certified because the Work has progressed to the point indicated and that the quality of the Work is in accordance with the Contract Documents. City's approval of the certified Application for Payment is based on Contractor complying with all requirements for a fully complete and valid certified Application for Payment.
- vii) Decisions to Withhold Certification.**
- 1) City shall notify Contractor in writing if any amounts are not due, and the reasons for withholding certification in whole or in part. If Contractor and City cannot agree on a revised amount, City shall promptly issue a Certificate for Payment for the amount for which City determines that Contractor is entitled to payment. City may withhold Certificate for Payment or nullify the whole or part of a Certificate for Payment previously issued, to such extent as may be reasonably necessary to protect City from loss for which Contractor is responsible, including loss resulting from acts and omissions because of defective Work not remedied, third party claims filed or reasonable evidence indicating probable filing of such claim unless security acceptable to City is provided by Contractor, failure of Contractor to make payments properly to subcontractors or for labor, materials, or equipment, reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Total, damage to City or another contractor, reasonable evidence that the Work will not be completed within the Contract Time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay, persistent failure to carry out the Work in accordance with the Contract Documents, or failure to maintain Record Documents.

- 2) Contractor shall not receive any interest on any retainage or amounts withheld due to the failure of Contractor to perform in accordance with the Contract Documents.
- 3) City may apply any withheld amount to pay outstanding claims or obligations on behalf of Contractor, without prior judicial determination of the claim or obligation. If any payment is made by City, that amount is deemed a payment made under this Contract by City to Contractor.
- 4) City shall promptly issue a Certificate for Payment for amounts previously withheld when the reasons for withholding certification are removed.

viii) Progress Payments.

- 1) City shall make payment in the manner and within the time provided in the Contract Documents. City may withhold the portion of any progress payment for which certified payroll statements have not been received until such certified statements are submitted.
- 2) Contractor shall promptly pay each subcontractor, upon receipt of payment from City, out of the amount City paid to Contractor on account of each subcontractor's portion of the Work. Contractor shall, by written agreement, require each subcontractor to make payments to sub-subcontractors in a similar manner.
- 3) City may issue joint checks made payable to Contractor, subcontractor(s) and material or equipment suppliers. Joint check payees are responsible for the allocation and disbursement of funds included as part of any such joint check payment. Joint check payment does not create a contract, rights, or obligations between City and any subcontractor or material or equipment supplier.
- 4) Certificate for Payment, progress payment, or partial or entire use or occupancy of the Project does not constitute acceptance of Work not in accordance with the Contract Documents.

ix) Substantial Completion.

- 1) Substantial Completion. Substantial completion is the stage in the progress of the Work when the Work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that City can occupy or utilize the Work for its intended purpose.
- 2) Punch List. When Contractor considers the Work or a designated portion of the Work to be substantially complete, Contractor shall prepare and submit to City a comprehensive list of items to be completed or corrected prior to final payment ("Punch List"). The Punch List does not alter Contractor's responsibility to complete the Work in accordance with the Contract Documents.
- 3) Certificate of Substantial Completion. Upon receipt of Contractor's Punch List, City shall make an inspection to determine whether the Work or designated portion thereof is substantially complete. If City determines that the Work is not substantially complete, City shall notify Contractor of any Work to be completed in accordance with the Contract Documents before the Work or designated portion can be certified as such, and Contractor shall complete all such items. Upon determining that the Work or designated portion thereof is substantially complete, City and Contractor shall execute a Certificate of Substantial Completion.
- 4) Commencement of Warranty. Contractor's general and special warranties shall be effective as of the date that the Work is deemed finally complete.
- 5) Close-Out Documentation. Contractor shall assemble for City's approval within thirty (30) days of Substantial Completion all close-out documentation as required by the Contract Documents, including the required number of copies of operating, maintenance, and warranty data from all manufacturers whose equipment is installed in the Work, and Record Documents of the Work.

x) Final Completion.

- 1) The Work will be deemed finally complete when all conditions set out in the Contract Documents are satisfied and City accepts such Work. Final completion is achieved when all punchlist work is complete, all close-out documentation has been received, all final testing, equipment calibration and training have been completed, and the Contractor is entitled to Final Payment. Unless special circumstances exist that are defined at the time of Punch List creation, Contractor shall achieve Final Completion within 45 days of Substantial Completion.
- 2) Final Inspection. When Contractor considers all of the Punch List Work to be complete, Contractor shall notify City which shall inspect such Work.
- 3) Final Application for Payment. If City finds the Punch List Work complete and acceptable under the Contract Documents, City shall notify Contractor, who shall then submit its Final Application for Payment.
- 4) Payment of Retainage. City shall make payment of retainage applying to such Work or designated portion thereof after receiving all Close Out Documentation, an affidavit that bills for indebtedness connected with the Work for which City's property might be encumbered have been satisfied; a certificate to indicate that insurance required by the Contract Documents shall remain in force after final payment is in effect and will not be cancelled or expire until thirty (30) days' prior written notice is given to City and that Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents; the consent of surety to final payment; and valid waivers of all construction lien claims, bond claims, and other claims by Contractor and each subcontractor in a form acceptable to City.
- 5) Bond in Lieu of Waiver. If a subcontractor refuses to furnish a release or waiver required by City, Contractor may furnish a bond satisfactory to City to indemnify City against such lien. If such lien remains unsatisfied after payments are made, Contractor shall refund to City all money that City may be compelled to pay in discharging such lien, including all costs and reasonable attorneys' fees.
- 6) Delay in Final Completion. City shall make payment of the balance due for any portion of the Work fully completed and accepted if final completion is materially delayed through no fault of Contractor or by issuance of Change Orders affecting final completion. In the event that final completion is not accomplished within thirty (30) days after the date of Substantial Completion due to any fault of Contractor, City may withhold from the final payment 150 percent of the reasonable cost to complete the unfinished Work and to attain final completion. In the event Contractor fails to complete the Work necessary to attain final completion after forty five (45) days from Substantial Completion, City may, without waiving other remedies it may have, complete the Work and deduct the actual cost thereof from the funds withheld.
- 7) Contractor's Waiver of Claims. Contractor's acceptance of final payment constitutes a waiver of claims except those previously made in writing and identified by Contractor as unsettled at the time of final Application for Payment.

XVIII) Indemnity and Liability.

- i)** To the fullest extent permitted by Oregon law, Contractor shall indemnify, defend with legal counsel reasonably acceptable to City, and hold harmless City and its consultants and separate contractors, and their respective council members, board members, officers, representatives, agents, trustees, volunteers, and employees, in both individual and official capacities (“Indemnitees”), against all suits, claims, damages, losses, and expenses, including but not limited to attorney’s fees, caused by, arising out of, resulting from, or incidental to, the performance of the Work under this Contract by Contractor, its subcontractors, vendors, or suppliers, including, without limitation, any such suit, claim, damage, loss, or expense attributable to, without limitation, bodily injury, sickness, disease, death, alleged patent violation or copyright infringement, or to injury to or destruction of tangible property (including damage to the Work itself) including the loss of use resulting therefrom, except to the extent caused by the sole negligence, active negligence, or willful misconduct of the Indemnitees, and/or to any extent that would render these provisions void or unenforceable. This agreement and obligation of Contractor will not be construed to negate, abridge, or otherwise reduce any right or obligation of indemnity that would otherwise exist as to any party or person described herein. This indemnification, defense, and hold harmless obligation includes any failure or alleged failure by Contractor to comply with any provision of law, any failure or alleged failure to timely and properly fulfill all of its obligations under the Contract Documents in strict accordance with their terms.
- ii)** Contractor shall fully indemnify, defend, and hold harmless City, and each person, entity, firm, or agency that owns or has any interest in adjacent property in any action arising out of any agreement between Contractor and adjacent property owners that is made for the purpose of entering upon the adjacent property to perform the Work. Contractor shall obtain City’s approval of the form and content of the agreement prior to the commencement of any Work on or about the adjacent property.
- iii)** Severability of Indemnity Provisions. Contractor shall give prompt notice to City in the event of any injury (including death), loss, or damage included herein. Without limitation of the provisions herein, if Contractor’s agreement to indemnify, defend, and hold harmless the Indemnitees as provided herein against liability for damage arising out of bodily injury to persons or damage to property caused by or resulting from the negligence of any of the Indemnitees will to any extent be or be determined to be void or unenforceable, it is the intention of the parties that these circumstances will not otherwise affect the validity or enforceability of Contractor’s agreement to indemnify, defend, and hold harmless the rest of the Indemnitees, as provided herein, and in the case of any such suits, claims, damages, losses, or expenses caused in part by the default, negligence, or act or omission of Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, and in part by any of the Indemnitees, Contractor shall be and remain fully liable on its agreements and obligations herein to the full extent permitted by law.
- iv)** In any and all claims against any of the Indemnitees by any employee of Contractor, any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, Contractor’s indemnification obligation herein shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any subcontractor under workers’ compensation acts, disability benefit acts, or other employee benefit acts, unless it is limited by ORS 30.140.
- v)** Contractor’s defense and indemnification obligations survive the completion of Work, including any warranty period and/or termination of this Contract.

XIX) Security

- i) Security. Contractor shall not use or disturb City's property, materials or documents except for the purpose of responding to City's request for proposal or invitation to bid or pursuant to completion of the Work under this Contract. Contractor shall treat all documents as confidential and shall not disclose such documents without approval from City. Any unauthorized disclosure of documents or removal of City property will be deemed a substantial breach of this Contract. Contractor shall bear sole responsibility for any liability including, but not limited to, attorneys' fees, resulting from any action or suit brought against City as a result of Contractor's willful or negligent release of information, documents, or property contained in or on City property. City hereby deems all information, documents, and property contained in or on City property privileged and confidential.
- ii) Employee Removal. At City's request, Contractor shall immediately remove any employee from all City properties in cases where City determines in its sole discretion that removal of that employee is in City's best interests.

XX) Miscellaneous Provisions.

- i) Non-Appropriation; Adequate Funding. City shall, at Contractor's written request, prior to commencement of Work, provide Contractor with reasonable evidence that financial arrangements have been made to fulfill City's obligations under the Contract. If payment for Work under this Contract extends into City's next fiscal year, City's obligation to pay for such Work is subject to approval of future city council appropriations to fund this Contract. Continuation of this Contract at specified levels is specifically conditioned on adequate funding under City's budget adopted in June of each year. City may adjust the Work provided for in this Contract in accordance with funding levels adopted by the City Council.
- ii) Law and Venue. Any dispute under this Contract or related to this Contract is governed by all provisions of the Oregon Constitution and laws of Oregon governing, controlling, or affecting City, or the property, funds, operations, or powers of City, which are incorporated herein by reference. This Contract is deemed to include any provision that the law requires to be included. Any litigation arising out of this Contract shall be conducted in in the Circuit Court for Washington County, Oregon. The Contractor consents to the personal jurisdiction of this court.
- iii) Severability. If any term or provision of this Contract is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and provisions are not affected, and the rights and obligations of the parties are construed and enforced as if this Contract did not contain the particular term or provision held to be invalid.
- iv) No Waiver. The failure of City in any one or more instances to insist upon strict performance of any of the terms of this Contract or to exercise any option herein conferred is not a waiver or relinquishment to any extent of the right to assert or rely upon any such terms or option on any future occasion. No action or failure to act by City, Architect, or Construction Manager waives any right or duty afforded City under this Contract, nor does action or failure to act constitute an approval of or acquiescence in any breach, except as specifically agreed in writing.
- v) Non-discrimination. Contractor shall comply with all applicable federal, state and local laws, rules and regulations regarding nondiscrimination in employment because of race, color, ancestry, national origin, religion, sex, marital status, age, medical condition, or disability.

- vi) No Third Party Beneficiaries. City and Contractor are the only parties to this Contract and are the only parties entitled to enforce its terms. Nothing in this Contract provides any benefit or right, directly or indirectly, to third persons unless they are individually identified by name in this Contract and expressly described as intended beneficiaries of this Contract. The Contract Documents shall not be construed to create a contractual relationship of any kind: (a) between Contractor and City's representatives or consultants, (b) between City and a subcontractor or a sub-subcontractor, (c) between City and a supplier; or (d) between any persons or entities other than City and Contractor.
- vii) Media Contacts. Contractor shall issue no news release, press release, or other statement to members of the news media or any other publication regarding this Agreement or the Project within one (1) year of Project completion without City's prior written authorization. Contractor shall not post or publish any textual or visual representations of the Project without approval of City.
- viii) Successors in Interest. This Contract will bind, and inure to the benefit of, the parties, their successors, and approved assigns, if any.
- 1) Contractor shall not assign all or any part of this Contract including, without limitation, any services or money to become due under this Contract without the prior written consent of City. Assignment without City's prior written consent is null and void. Any assignment of money due or to become due under this Contract is subject to a prior lien for services rendered or material supplied for performance of Work called for under this Contract in favor of all persons, firms, or corporations rendering services or supplying material to the extent that claims are filed pursuant to Oregon law, and is also subject to deductions for liquidated damages or withholding of payments as determined by City in accordance with this Contract. Contractor shall not assign or transfer in any manner to a subcontractor or supplier the right to prosecute or maintain an action against City.
 - 2) Contractor shall first notify City prior to any change in the name or legal nature of Contractor's entity. City shall determine if Contractor's intended change is permissible while performing this Contract.
- ix) Liquidated Damages.
- 1) Failure to complete the Project by the specified time will result in damages to the City. The parties to this contract agree that establishing the exact amount of damages the City will incur will be difficult. In order to compensate the City, the parties to this contract have estimated the amount the City would be damaged for every calendar day completion is delayed. Consequently, the Contractor agrees to pay the City the sum of \$500 per day, not as a penalty but as liquidated damages, for each day elapsed beyond the Substantial Completion date set forth in the bid document. The total liquidated damages shall be deducted from the final payment due the Contractor. The City may waive its right to claim part or all of the liquidated damages due under this provision, but such full or partial waiver shall not negate or abridge any other right of action the City may have to enforce the provisions of this Contract. Contractor will not contest such sums as being other than a reasonable measure of delay damages in the event those damages become payable under these provisions.
- x) Workers' Compensation.
- 1) All employers, including Contractor, that employ subject workers who work under this contract 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. This shall include Employer's Liability Insurance with coverage limits of not less than \$1,000,000 for each accident. Contractors who perform the Work without the assistance or labor of any employee need not obtain such coverage if the Contractor certifies so in writing. Contractor shall ensure that each of its Subcontractors complies with these requirements. The Contractor shall require proof of such Workers' Compensation by receiving and keeping on file a certificate of insurance from each Subcontractor or anyone else directly employed by either the Contractor or its Subcontractors.

EXHIBIT B

**CITY OF HILLSBORO, OREGON
PUBLIC IMPROVEMENT CONTRACT
INSURANCE REQUIREMENTS**

1. Contractor shall maintain all insurances required of it by law. In addition, the Contractor shall maintain the following:
 - a. **Required Coverage.** Without waiver of any other requirement of the Contract Documents, the Contractor will provide, pay for, and maintain in full force and effect at all times during the performance of the Work until final acceptance of the Work or for such further duration as required, the following policies of insurance issued by a responsible carrier. All of the Contractor's insurance carriers shall be rated A VII or better by A.M. Best's rating service, unless otherwise approved by the City.
 1. Workers' Compensation. Workers' compensation coverage sufficient to meet statutory liability limits.
 2. Employer's Liability. The Contractor shall purchase and maintain employer's liability insurance in addition to its workers' compensation coverage with at least the minimum limits in section **b.** below.
 3. Commercial General Liability. The Contractor shall purchase and maintain commercial general liability ("CGL") insurance for off-site exposures on an occurrence basis, written on ISO Form CG 00 01 (12/04 or later) or an equivalent form approved in advance by the City. CGL coverage shall include all major coverage categories including bodily injury, property damage and products/completed operations coverage. The CGL insurance will also include the following: (1) separation of insureds; (2) incidental medical malpractice; and (3) per-project aggregate for premises operations.
 4. Professional Liability/Errors and Omissions. To the extent that the Contractor accepts design or design/build responsibilities, the Contractor shall purchase and maintain professional liability/errors and omissions insurance or cause those Subcontractors providing design services do so.
 5. Automobile Liability. The Contractor shall purchase and maintain automobile liability insurance with coverage for owned, hired, and non-owned vehicles on ISO form CA 00 01 or an equivalent form approved in advance by the City. The automobile liability insurance shall include pollution liability coverage resulting from vehicle overturn and collision.
 - b. **Limits.** The insurance required by this exhibit shall be written for at least the limits of liability specified in this Section or required by law, whichever is greater.

Workers' Compensation.	Statutory Limits
Employer's Liability.	
Each Accident:	\$1,000,000
Each Bodily Injury Disease:	\$1,000,000
Aggregate Bodily Injury Disease:	\$1,000,000
Commercial General Liability.	
Each Occurrence:	\$1,000,000
General Aggregate:	\$2,000,000
Product/Completed Operations:	\$2,000,000
Personal & Advertising Injury:	\$1,000,000
Fire Damage Limit:	\$100,000
Medical Expense Limit:	\$5,000
Automobile Liability.	
Combined Single Limit:	\$1,000,000

Professional Liability/Errors & Omissions.

Single Limit:	\$1,000,000
Aggregate:	\$1,000,000

- c. **Additional Insureds.** The Contractor's third-party liability insurance policies shall include the City and its officers, employees, and agents as additional insureds. The policy endorsement must extend premises operations and products/completed operations to the additional insureds. The additional insured endorsement for the CGL insurance must be written on ISO Form CG 20 10 (11/85), a CG 20 37 (07/04) together with CG 20 33 (07/04), or the equivalent; but shall not use the following forms: CG 20 10 (10/93) or CG 20 10 (03/94).
- d. **Joint Venture.** If the Contractor is a joint venture, the joint venture shall be a named insured for the liability insurance policies.
- e. **Primary Coverage.** The Contractor's insurance shall be primary insurance coverage and may not seek contribution from any insurance or self-insurance carried by the City or the Architect including any property damage coverage carried by the City. Contractor's insurance shall apply separately to each insured against whom a claim is made or suit is brought. The Contractor's insurance shall not include any cross-suit exclusion or preclude an additional insured party from asserting a claim as a third party.
- f. **Contractor's Failure to Maintain Insurance.** If the Contractor for any reason fails to maintain required insurance coverage, such failure shall be deemed a material breach of the Contract and the City, at its sole discretion, may suspend or terminate the Contract pursuant to Section 108.11 of the General Conditions. The City may, but has no obligation to, purchase such required insurance, and without further notice to the Contractor, the City may deduct from the Contract Total any premium costs advanced by the City for such insurance. Failure to maintain the insurance coverage required by this exhibit shall not waive the Contractor's obligations to the City.
- g. **Certificates of Insurance.** Prior to commencement of the Work, and before bringing any equipment or construction equipment on to the project site, the Contractor shall provide Certificates of Insurance, to the City Representative, for the insurance policies required by this contract.
 - 1. Additional Certificates. To the extent that the Contractor's insurance coverage's are required to remain in force after final payment and are reasonably available, an additional certificate evidencing continuation of such coverage shall be submitted with the final Application for Payment. Information concerning reduction of coverage on account of revised limits or claims paid under the general aggregate, or both, shall be furnished by the Contractor with reasonable promptness in accordance with the Contractor's information and belief.
 - 2. Prohibition Until Certificates Received. The City shall have the right, but not the obligation, to prohibit the Contractor and its Subcontractors from entering the Project site until the required certificates (or other competent evidence that insurance has been obtained in complete compliance with this exhibit) are received and approved by the OCIP Administrator and or City.
 - 3. Deductibles/Self-Insured Retentions. Payment of deductibles or self-insured retentions is a Cost of the Work within the Guaranteed Maximum Price and does not justify a Change Order. Satisfaction of all self-insured retentions or deductibles will be the sole responsibility of the Contractor.
- h. **Subcontractors Insurance.** The Contractor shall cause each Subcontractor to purchase and maintain in full force and effect policies of insurance as specified in this exhibit, except for coverage limits, which will be agreed upon between the City and the Contractor. The Contractor will be responsible for the Subcontractors' coverage if the Subcontractors fail to purchase and maintain the required insurance. When requested by the City, the Contractor will furnish copies of certificates of insurance establishing coverage for each Subcontractor.
- i. **Limitations on Coverage.**
 - 1. No insurance provided by the Contractor under this exhibit will be required to indemnify the City, the Architect, or their employees or agents to the extent of liability for death or bodily injury to persons or damage to property caused in whole or in part by their own negligence, but will require indemnity to the extent of the fault of the Contractor or its agents, representatives, or Subcontractors.

2. The obligations of the Contractor under this exhibit shall not extend to the liability of the Architect or its consultants for (1) the preparation or approval of maps, Drawings, opinions, reports, surveys, Change Orders, designs, or specifications, or (2) the giving or failure to give directions or instructions, to the extent that the directions, or failure to provide directions, are the cause of the injury or damage.
3. By requiring insurance, the City does not represent that coverage and limits will necessarily be adequate to protect the Contractor. Insurance in effect or procured by the Contractor will not reduce or limit the Contractor's contractual obligations to indemnify and defend the City for claims or suits that result from or are connected with the performance of the Contract.

2. PROPERTY INSURANCE:

- a. **Builder's Risk:** (For new construction or building additions) During the term of this Contract, the Contractor shall maintain in force, at its own expense, Builder's Risk insurance on an all risk form, including earthquake and flood, for an amount equal to the full amount of the Contract. Any deductible shall not exceed \$50,000 for each loss, except the earthquake and flood deductible shall not exceed 2 percent of each loss or \$50,000, whichever is more. The policy will include as loss payees the City, the Contractor and its Subcontractors as their interests may appear.
- b. **Builder's Risk Installation Floater:** (For other than new construction) The Contractor shall obtain, at the Contractor's expense, and keep in effect during the term of this Contract, a Builder's Risk Installation Floater for coverage of the Contractor's labor, materials and equipment to be used for completion of the Work performed under this Contract. The minimum amount of coverage to be carried shall be equal to the full amount of the Contract. This insurance shall include as loss payees the City, the Contractor and its Subcontractors as their interests may appear.
- c. Such insurance shall be maintained until the City has occupied the facility.
- d. Contractor must provide insurance for its own machinery, tools, equipment, or supplies that are not to become a part of the Project.

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SPECIAL SPECIFICATIONS
GENERAL: ALL SCHEDULES
2015 Pavement Management Program
#20552222-6102

1. Quantities and Schedule of Contract Prices

Each bid schedule (Schedule "A" and "B") shall be a separate contract for award. Contractors may bid one or all of the schedules.

The quantities set forth in this contract are approximate only, and the right is reserved by the City to make such increases or decreases in the quantities as may be necessary to satisfactorily complete the work and to maintain the contract within the 2014/2015 Pavement Management Program Budget. Such modification will not entitle the contractor to renegotiate the unit prices. Actual payment for work done under these contracts will be made at the unit prices set forth in the Contractor's proposal. It is neither implied nor expressly agreed that the actual amount of work to be done and paid for will correspond therewith. The City reserves the right to reject any or all bids or schedules.

2. Time of Award

The anticipated time of award for this contract is **April 7, 2015** at the City of Hillsboro Council meeting to be held at 7:00pm in the Civic Center Auditorium, located at 150 E Main Street, Hillsboro, OR 97123.

3. Standard Specifications

All work shall conform to the current City of Hillsboro *Design and Construction Standards*, the Oregon Department of Transportation *Oregon Standard Specifications for Highway Construction* (2008), and Clean Water Services *Design and Construction Standards for Sanitary Sewer and Surface Water Management* (June 2007). All traffic control and pavement markings shall be in accordance with the *Manual of Uniform Traffic Control Devices (MUTCD)*, 2009 Edition and the *Oregon Temporary Traffic Control Handbook (OTTCH)*, December 2011. The documents referenced above are hereby made part of these specifications.

4. Document Notice to Bidders

A Warranty Bond requirement has been added, which is found under Section 1.04, subsection D of the Invitation to Bid.

5. Construction Notices to Bidders

There will be construction projects on major roadways within the City Limits that may cause delays in traveling to complete the work on this contract. The Oregon Department of Transportation's TV Highway Paving Project will affect travel through Hillsboro as this project will be from Minter Bridge Road through downtown on Oak/Baseline to 331st Avenue in Cornelius. More information on the project can be found at <http://www.oregon.gov/ODOT/HWY/REGION1/pages/tvhwypaving/index.aspx>.

There are also projects on Brookwood/Hwy 26, Cornelius Pass Rd (Evergreen-Hwy 26), and Baseline (Brookwood-231st Ave). There may be delays to your construction activities due to traffic delays through the work zones.

A citywide map of the maintenance work for this contract is posted on the website for reference in coordinating any adjacent work at <http://www.hillsboro-oregon.gov/PMPspringcontract>.

6. Prevailing Wage

Both schedules are subject to BOLI prevailing wage requirements.

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SPECIAL SPECIFICATIONS
SCHEDULE "A": CRACK SEALS
2015 PAVEMENT MANAGEMENT PROGRAM
#20552222-6102

1. Time of Construction

Work contemplated in this contract may not commence until April 13, 2015. All work contemplated in this contract shall be completed by June 26, 2015.

2. Preconstruction Conference

After the execution of the contract, but prior to the notice to proceed, a pre-construction conference between the contractor, any subcontractors, and the City shall be held at a mutually acceptable time at the City of Hillsboro Civic Center (150 E Main Street, Fourth Floor, Hillsboro, OR 97123). The contractor shall be represented, at a minimum, by a principle of the firm and the superintendent of the project. ***The contractor will provide a work schedule for the City Engineer's approval at the preconstruction conference.*** The work schedule shall list in order the streets the contractor's crew plans to work each day. The contractor will provide an updated schedule to the Engineer before making any changes to the work schedule.

3. Scope

This work consists of furnishing all labor, equipment, and materials necessary for the preparation and application of polymer modified asphalt-rubber sealant to repair and reseal cracks in flexible pavements at locations designated by the Project Manager.

4. Areas of Work

Streets to be crack sealed are indicated on the enclosed maps and tables. Clean and seal all readily visible cracks and open joints 1/16" or larger in accordance with these specifications and as directed by the Project Manager/Inspector. This includes cracks with existing sealant that no longer seals the crack (if the crack is already sealed and does not show signs of reopening, do not seal). Clean and seal along the edges at concrete gutters as indicated on the enclosed tables.

Some of the streets will also be receiving asphalt concrete (AC) replacements as part of Schedule "B". The contractor shall crack seal outside the areas of AC replacements. Should the contractor note any significant discrepancies in quantities for the crack seal they shall contact the Project Manager/Inspector prior to sealing.

5. Hours of Work

General hours of work shall be limited to 7:00 AM to 5:00 PM Monday through Friday, unless otherwise approved by the Project Manager. Under no circumstances will work be allowed on Sundays or Holidays. Work on NW 231st Avenue, NE Grant Street, NE Shute Road, and NW 206th Avenue shall be limited to 9:00AM to 3:30PM Monday through Friday. *Work will not be permitted near schools when students would be going to or from school.* Hours of work may also be affected on those roadways abutting other agency roadways.

The contractor will need to schedule work so as not to interfere with the Tuesday Market, Saturday Market, Hippy Chick Half Marathon (May 9th), Stomp Out Abuse (May 16th), Helvetia Half Marathon (June 13th), Dick Inukai Birthday Run (May 23rd), 10th Annual Latino Cultural Festival (April 19th), or any other special events.

SPECIAL SPECIFICATIONS
SCHEDULE "A": CRACK SEALS
2015 PAVEMENT MANAGEMENT PROGRAM
#20552222-6102

6. Traffic Control and Public Notification

The contractor shall provide adequate signing and Oregon certified flaggers to ensure the work zone is properly identified in compliance with the current edition of the *Manual of Uniform Traffic Control Devices*, 2009 Edition (MUTCD) and the *Oregon Temporary Traffic Control Handbook*, December 2011 (OTTCH).

All Oregon certified flaggers shall have:

- a. The mental and physical ability to provide timely, clear, and positive guidance.
- b. A sense of responsibility for safety of the public and work crew.
- c. A neat appearance.
- d. A courteous but firm manner.
- e. Completed an approved work zone traffic control course within the past three (3) years and be able to provide evidence of completion to the Project Inspector upon request. (Oregon certified flagger.)
- f. Two-way radios with extra batteries.
- g. Shall not use personal cell phones while working on the job site.
- h. Shall be able to communicate effectively with the general public, Contractor, Project Inspector.

A detailed traffic control plan will be submitted to the Project Engineer prior to/at the preconstruction meeting. The plan shall include, but not be limited to all construction signing, flagger locations, types and locations of traffic control devices, and construction phasing, method for maintaining traffic signal functions, detours, and accommodations for pedestrian, bicycle, and transit facilities. **Roadways shall remain open to traffic flow unless otherwise approved in writing by the City Engineer.** Maintain one lane of traffic open at all times. When construction activities do not allow for one lane of traffic, traffic shall be flagger controlled. No work can commence until the traffic control plans have been approved.

The Contractor shall erect and maintain all construction signs, warning signs, and other traffic control devices necessary to warn and protect the public at all times from injury or damage as a result of the Contractor's operations. No work shall be done on or adjacent to any traveled way until all necessary signs and traffic control devices are in place.

Several streets abut SE Minter Bridge Road, SW River Road, SE Witch Hazel Rd, SW Brookwood Avenue, W Baseline Road, NW Quatama Road, NW Cornelius Pass Road, NW Cornell Road, and NW Evergreen Parkway, which are Washington County roadways. The contractor shall coordinate traffic control and obtain any necessary permits through Washington County by contacting Aaron Clodfelter at 503-846-7632 or Aaron.Clodfelter@co.washington.or.us. WASHCO's "General Construction/Signs" application for the right-of-way permit can be found at www.co.washington.or.us/LUT/Divisions/Operations/Permits/row-permits.cfm.

SE 45th Avenue at TV Hwy and SW Spring Street at S 1st Avenue abut ODOT roadways. The contractor shall coordinate traffic control and obtain any necessary permits through ODOT by contacting Jim Nelson at 503-229-6542 or james.a.nelson@odot.state.or.us.

A copy of the permits will be submitted to the City's Project Engineer prior to work beginning. If a permit is not required, the contractor will submit written documentation from ODOT or Washington County stating the permit is not required.

Thirty-six (36) hours prior to starting work on any given group of streets, the contractor is responsible for notifying the Washington County Consolidated Communications Agency (503-629-0111) of any traffic impairment. Notification shall include the exact location of work and the times when work will be performed, stating time of day and the date of work. A means of emergency access will be maintained at all times in all work zones.

SPECIAL SPECIFICATIONS
SCHEDULE "A": CRACK SEALS
2015 PAVEMENT MANAGEMENT PROGRAM
#20552222-6102

The City shall provide the contractor "NO PARKING" signs for use in posting streets in advance of crack sealing. Streets may be posted "NO PARKING" between the hours of **7:00 AM and 5:00 PM**. Signs shall be placed no less than thirty-six (36) hours, but no more than seventy-two (72) hours prior to commencement of work. These "NO PARKING" signs shall be mounted by the contractor on a suitable pedestal, e.g. tripod, barricade, etc., provided by the contractor. Signs shall be posted every 100 feet on both sides of the street affected. At the completion of all work, all used "NO PARKING" signs shall be appropriately disposed of by the contractor. ***The contractor is hereby advised that this sign will not be enforced by towing of cars for crack sealing.***

Because these parking restrictions are an inconvenience to residents and businesses, and in order to ensure voluntary compliance, should it be necessary to reschedule work due to inclement weather or other uncontrollable circumstances, signing shall be corrected to reflect revised dates or removed in accordance with the minimum and maximum posting time limits as outlined in the previous paragraph. At the completion of all work, all ***used*** "NO PARKING" signs shall be appropriately disposed of by the contractor. At the end of the project, any ***unused*** "NO PARKING" signs shall be returned to the Inspector/City.

Payment for traffic control shall be lump sum and shall include all labor, equipment, and materials necessary to coordinate and comply with current MUTCD, OTTCH and City standards.

7. Sealants

All sealant materials for crack repair of flexible pavements shall be 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 for acceptance. Provide hot-poured sealants of the type intended for use in sealing cracks in asphalt concrete pavement that meet the requirements of ASTM D3405 and AASHTO M301. Additionally, the sealant must be compatible for use with the cleaning and application methods herein specified.

7.1. Equipment: Use proper sealing equipment for the specific material listed according to the manufacturer's recommendations. The equipment for sealing compounds shall be mounted on a trailer or truck legal for street use and consist of 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.

7.2. Street Surface Preparation: All streets to be crack sealed shall have an approved herbicide applied to all vegetation in the street, including cracks and in curbs, a minimum of two weeks in advance of cleaning. All vegetation shall then be removed from the roadway. All cracks to be sealed will then be thoroughly cleaned of all vegetation, dirt, and foreign material below the street surface grade.

Cleaning of the crack is achieved with high-pressure air blasting (away from traffic, pedestrians and bicyclist) and drying is completed using a compressed air hot-lance capable of providing a minimum of 10 to 15 ft³/min at 50 to 175 lbs/in² and a heat range of 600°F to 2200°F immediately before the application of sealant material. Care must be taken to prevent burning of asphalt concrete. In cases where the hot-lance may come in contact with dry landscaping, the contractor shall have the necessary tools on hand to immediately extinguish any fires.

Protect manholes, water valves, drop inlets, catch basins and other service entrances from the crack seal by a suitable method. Clean these covers as quickly as possible after the application of the crack seal and definitely prior to the final set. Clean any crack seal from the interior of utilities.

SPECIAL SPECIFICATIONS
SCHEDULE "A": CRACK SEALS
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7.3. Construction

7.3.1. Temperature Limitations: The sealant material shall be applied following the manufacturer's specifications for mixture temperature. No material shall be prepared or applied until the ambient temperature is 50°F (10°C) or greater and the pavement temperature is 45°F (7°C) or greater. In the event the pavement temperature drops below 45°F (7°C), application will be suspended.

7.3.2. Mixing and Heating: The sealant material shall be prepared and heated consistent with the manufacturer's specifications.

7.3.3. Application: 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. 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 the adjacent pavement surface.***

Level sealant material flush to the surface where a 'V' shaped squeegee device shall be used to remove any excess material and create an overlap of the adjacent surfaces. Overlap shall not exceed 1-1/2 inches (38 mm) nor shall be less than 0.5 inches (13mm). If any sealant remains in the squeegee when the end of the crack is reached, distribute this excess material over the crack in a return motion.

If settlement of sealant occurs beyond 0.125 inches (3 mm), the contractor shall apply an additional layer(s) of sealant to bring the material flush with the surface. If at any time during the one year maintenance period the sealant shows settlement of 0.25 inches or more, the contractor shall, at his expense, apply an additional layer(s) of sealant to bring the material flush with the surface.

Traffic shall not be reopened to the construction area until the sealant has fully cured. If traffic results in lifting or transfer of the material, the contractor shall immediately repair the damage and again allow for proper curing at contractor's expense.

7.3.4. Cleaning and Sanding: 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. Alternative methods may be used for preventing damage and "pick up" only upon Project Managers approval.

7.3.5. Measurement and Payment: The quantities of sealed cracks will be measured by the linear foot placed and accepted. The accepted quantities of sealed cracks will be paid for at the Contract unit price per linear foot for the item "Crack Sealing". Payment for furnishing and placing all material, including cleaning and routing as required, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified will be included in the unit price. Work not meeting the requirements of this section will not be measured for payment.

SPECIAL SPECIFICATIONS
SCHEDULE "A": CRACK SEALS
2015 PAVEMENT MANAGEMENT PROGRAM
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8. Coordination

SE Pipers Drive has a new development going in at the south end. The contractor will need to coordinate work to maintain access as necessary.

NW Jackson Street (west of 317th) has golf course access, which the contractor will need to coordinate and maintain access at all times.

The contractor will need to coordinate work near TV Hwy/OR 8 from SE Minter Bridge Road west through the City (becomes 10th Avenue, Oak Street, and Baseline Street) to the west City Limits with ODOT's OR 8 Project, specifically work on SE 2nd Avenue (off Maple). A schedule will be forthcoming once obtained.

There are some locations noted with SS15 or Micro 15, which are streets where crack seal is being placed in preparation for the summer slurry seal and micro-surfacing work. The contractor will need to complete these locations **by June 12, 2015**.

9. Sanitary Facilities

The contractor shall provide proper on-site sanitary facilities for its employees.

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SPECIAL SPECIFICATIONS
SCHEDULE "B": OVERLAYS & AC REPLACEMENTS
2015 PAVEMENT MANAGEMENT PROGRAM
#20552222-6102

1. Time of Construction

Work on this contract may not commence until April 13, 2015. All work contemplated in this contract shall be completed by July 17, 2015.

2. Preconstruction Conference

After the execution of the contract, but prior to the notice to proceed, a pre-construction conference between the contractor, all subcontractors, and the City shall be held at a mutually acceptable time at the City of Hillsboro Civic Center (150 E Main Street, Fourth Floor, Hillsboro, OR 97123). The contractor shall be represented, at a minimum, by a principle of the firm and the superintendent of the project. ***The contractor shall provide the following for the City Engineer's approval prior to/at the preconstruction conference:***

- a. Preliminary work schedule. At a minimum, the work schedule shall include the locations, ramp/concrete work, grinding, and overlay with striping.
- b. Traffic control plans.
- c. Tack coat submittal.
- d. List of sources of materials with certificate of compliance and mix design.
- e. Concrete mix submittal.

3. Scope

This schedule consists of furnishing all labor and materials necessary to remove and replace defective pavement with asphalt concrete, upgrading sidewalk ramps, cold planning/grinding, overlaying streets with asphalt concrete, and striping.

4. Areas of Work

Areas of work are shown on the enclosed maps, spreadsheets, and drawings included in this document.

5. Hours of Work

General hours of work shall be limited to 7:00AM to 5:00PM Monday through Friday, unless otherwise approved by the Project Manager. ***Grinding and paving work shall only be allowed between the hours of 8:00AM and 5:00PM.*** Under no circumstances will work be allowed on Sundays or Holidays. Work on NW 206th Avenue, NW 231st Avenue, NW Jackson Street, NE Airport Road, and NW Amberwood Drive shall be limited to 9:00AM to 3:30PM Monday through Friday. No work shall occur after 12:00PM (noon) on Friday, July 3rd. ***Work will not be permitted near schools at times when students are arriving or departing.*** Hours of work may be affected by permit requirements for those roadways abutting other agency roadways. Permission to work outside these hours may be granted on a case-by-case basis upon application to the Engineer. The Contractor has full responsibility for confining operations to these hours and obtaining any needed waivers.

The contractor will also need to schedule work so as not to interfere with the events below, including any event detour routes:

- Tuesday Market – Tuesday afternoon to evening generally located on Main between 1st and 4th and on 2nd/3rd Avenues between Washington and Lincoln Street;
- Saturday Market – Saturday mornings generally located on Main between 1st and 4th and on 2nd/3rd Avenues between Washington and Lincoln Street;
- Washington County Fair – July 21st-26th located at the Washington County Fairgrounds;

SPECIAL SPECIFICATIONS
SCHEDULE "B": OVERLAYS & AC REPLACEMENTS
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- 2015 Oregon International Air Show – July 17th-19th located at the Hillsboro Airport (may affect access around the airport due to sterile corridors for jet teams);
- Celebrate Hillsboro – August 8th generally located on Main between 1st and 4th and on 2nd/3rd Avenues between Washington and Lincoln Street;
- Hippie Chick Half Marathon – May 9th start and end at Hillsboro Stadium.
- Stomp Out Abuse – May 16th on Harewood and Jackson School Street.
- Helvetia Half Marathon – June 13th start and end at Hillsboro Stadium.
- Dick Inukai Birthday Run – May 23rd start and end at their Baseline lot location.
- 10th Annual Latino Cultural Festival – April 19th in downtown Hillsboro.
- Or any other special events.

6. Coordination

The contractor will need to coordinate work near TV Hwy/OR 8 from Minter Bridge Road west through the City (becomes 10th Avenue, Oak Street, and Baseline Street) to the west City Limits with ODOT's OR 8 Project. A schedule will be provided once obtained.

The contractor will need to coordinate the AC Replacement on SE Drake Road with the Fire Station in maintaining emergency access.

The AC Replacement on SE Rood Bridge Road is in the intersection going into HilHi. Contractor will need to coordinate work to minimize impact to school access.

There is large development along the north end of NW 231st Avenue. The contractor will need to coordinate work and traffic control for access along this roadway.

The Parks Department is installing a new RRFB Pedestrian crossing on NW Amberwood Drive as part of their Rock Creek Trail project. The contractor will need to coordinate work with this project and install the Hi-Visibility crosswalk pavement markings per item 17. A schedule will be provided once obtained.

There are some locations noted with SS15 or Micro 15, which are streets where AC Replacements are being done and sidewalk ramps at E Main Street (10th/Cornell), NE Brogden Street (between W property line of Church to 33rd Court), NE Sequoia Ct (at Brogden), and NE 30th Avenue (at Brogden) in preparation for the summer slurry seal and micro-surfacing work. The contractor will need to complete work at these locations **by June 26, 2015.**

7. Traffic Control and Public Notification

The contractor shall provide adequate signing and Oregon certified flaggers to ensure the work zone is properly identified in compliance with the *Manual of Uniform Traffic Control Devices*, 2009 Edition (MUTCD) and the *Oregon Temporary Traffic Control Handbook*, December 2011 (OTTCH).

All Oregon certified flaggers shall have:

- a. The mental and physical ability to provide timely, clear, and positive guidance.
- b. A sense of responsibility for safety of public and work crew.
- c. A neat appearance.
- d. A courteous but firm manner.
- e. Completed an approved work zone traffic control course within the past three (3) years and be able to provide evidence of completion to the Project Inspector upon request.
- f. Two-way radios with extra batteries.
- g. Shall not use personal cell phones while working on the job site.
- h. Shall be able to communicate effectively with the general public, Contractor, Project Inspector.

SPECIAL SPECIFICATIONS
SCHEDULE "B": OVERLAYS & AC REPLACEMENTS
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Detailed traffic control plans shall be supplied to the Engineer at the preconstruction meeting for each project site. The plans shall include, but not be limited to all construction signing, flagger locations, types and locations of traffic control devices, and construction phasing, method for maintaining traffic signal functions, detours, and accommodations for pedestrian, bicycle, and transit facilities. Roadways shall remain open to traffic flow unless otherwise approved in writing by the Engineer. No work can commence until the traffic control plans have been approved.

The Contractor shall erect and maintain all construction signs, warning signs, detour signs, and other traffic control devices necessary to warn and protect the public at all times from injury or damage as a result of the Contractor's operations. No work shall be done on or adjacent to any traveled way until all necessary signs and traffic control devices are in place.

SE 45th Avenue (at TV Hwy), SW Adams Avenue (at Oak/Baseline), HB Alley-1st/Adams (at Oak), and SW Spring Street (at S 1st/OR 219) abut Oregon Department of Transportation (ODOT) roadways. The contractor shall coordinate traffic control and obtain any necessary permits through ODOT by contacting Jim Nelson at 971-673-2942 or james.a.nelson@odot.state.or.us.

SE 39th Avenue (at SE Witch Hazel Road), SE 49th Court (at SE Witch Hazel Road), SE Drake Road (at SW Brookwood Avenue), NW Jackson Street (at North 1st Avenue), and SE 41st Avenue (at E Main Street) abut Washington County roadways. The contractor shall coordinate traffic control and obtain any necessary permits through Washington County by contacting Aaron Clodfelter at 503-846-7632 or Aaron.Clodfelter@co.washington.or.us. WASHCO's "General Construction/Signs" application for the right-of-way permit can be found at www.co.washington.or.us/LUT/Divisions/Operations/Permits/row-permits.cfm.

SW Adams Avenue (between Oak/Baseline) has an AC Replacement abutting the Portland & Western Railroad tracks. The contractor shall coordinate traffic control and obtain any necessary permits/flagging agreements and scheduling through Portland & Western Railroad by contacting Dennis Hannahs at 1-503-508-7440 or dhannahs@gwrr.com.

Any permits required by ODOT, Washington County, or Portland & Western Railroad to complete the work are the responsibility of the contractor. The contractor shall submit for permits a minimum of one week prior to work beginning for review. A copy of the permits shall be submitted to the City's Engineer prior to beginning work. If a permit is not required, the contractor will submit written documentation from ODOT, Washington County, or Portland & Western Railroad stating the permit is not required. Permits shall be considered incidental to the traffic control bid item.

Thirty-six (36) hours prior to starting work on any given group of streets, the contractor is responsible for notifying the Washington County Consolidated Communications Agency (503-629-0111) of any traffic impairment. Notification shall include the exact location of work and the times when work will be performed, stating time of day and the date of work. A means of emergency access will be maintained at all times in all work zones.

The City shall provide the contractor "NO PARKING" signs for use in posting streets in advance of the overlays and AC replacements. Streets may be posted "NO PARKING" between the hours of **7:00 AM and 5:00PM**. Parking prohibitions proposed outside of the listed time frame, must have prior approval, in writing, from the Engineer.

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SCHEDULE "B": OVERLAYS & AC REPLACEMENTS
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Signs should be placed no less than thirty-six (36) hours or no more than seventy-two (72) hours prior to commencement of work. These "NO PARKING" signs shall be mounted by the contractor on a suitable pedestal, e.g. tripod, barricade, etc., provided by the contractor. Signs shall be posted every 100 feet on both sides of the street affected. At the completion of all work, all used "NO PARKING" signs shall be appropriately disposed of by the contractor. ***The contractor is hereby advised that this sign will not be enforced by towing of cars for AC Replacements.***

Because these parking restrictions are an inconvenience to residents and businesses, and in order to ensure voluntary compliance, should it be necessary to reschedule work due to inclement weather or other uncontrollable circumstances, signing shall be corrected to reflect revised dates or removed in accordance with the minimum and maximum posting time limits as outlined in the previous paragraph. At the completion of all work, all ***used*** "NO PARKING" signs shall be appropriately disposed of by the contractor. At the end of the project, any ***unused*** "NO PARKING" signs shall be returned to the Inspector/City.

For streets that will be overlaid, the City shall also provide the contractor with door-knob notices in sufficient quantities which will further serve to advise the general public of the pending parking restrictions and planned work. These notices will also provide general information. ***The notices shall be left on or at the front door of each dwelling, apartment unit, or tenant of a commercial unit abutting any of the streets on the list.*** The notices will also need to be placed on any front door where the only access to the roadway is being affected (i.e. a cul-de-sac, alley, private street, etc. that enters onto a roadway being overlaid). This should be done at the same time the "NO PARKING" signs are first placed in the area. Each day, prior to commencement of work, the contractor shall verbally contact, whenever possible, the residents to notify them of impending work. Notification shall be given enough in advance to allow residents to move personal vehicles prior to work beginning. If work is rescheduled for any reason, the "NO PARKING" signs and notifications need to be appropriately corrected in a timely manner to reflect the change. At the completion of all work, all ***used*** door hangers shall be appropriately disposed of by the contractor. At the end of the project, any ***unused*** door hangers shall be returned to the Inspector/City.

The contractor shall log the posting of the "NO PARKING" signs and door hangers in order for towing to occur for overlays. The log will be submitted on a weekly basis to the Inspector and contain the following minimum information:

- Street Name
- Location (From and To)
- Date Posted
- Time Posted
- Posted By

Payment for traffic control shall be lump sum and shall include all labor, permits, equipment, and materials necessary to coordinate and comply with current MUTCD, OTTCH and City standards.

8. Hot Mix Asphalt Concrete (HMAC)

8.1. Materials:

8.1.1. General: Only materials conforming to the specifications shall be incorporated in the work. The materials shall be manufactured, handled, and used in a workmanlike manner. All asphaltic concrete to be used in this project shall comply with Oregon's Standard Specifications for Construction (2008), Section 00745 – Hot Mixed Asphalt Concrete (HMAC) and contained in subsections 00745.10 to 00745.12 **and including AASHTO T112 (test for friable particles).**

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SCHEDULE "B": OVERLAYS & AC REPLACEMENTS
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- 8.1.2. Binder:** The asphalt binder shall be PG 64-22 or an approved alternative. Payment for the binder shall be considered incidental to the unit price of A.C.
- 8.1.3. Aggregates:** The aggregates used in the surface mixes shall have a maximum aggregate size of 0.5 inches and shall meet the gradations for dense graded mixes given in Section 00745.12 of the Oregon Standard Specifications for Construction. The aggregate material shall consist of sound, tough, durable particles, free from adherent films of matter that would prevent thorough coating and bonding with the bituminous material and be free from clay balls, organic matter, man-made debris, and other deleterious substances. Deleterious substances are defined as clay/silt lumps, shale, soft, friable, or laminated particles, vegetable/organic matter, or other objectionable material. ***Each aggregate size group shall have no more than 0.5% clay lumps and friable particles as determined by AASHTO T112.***
- 8.1.4. Mix Design:** The mix design shall conform to the general requirements given in Section 00745 referenced above. The mix design shall be performed by a certified laboratory technician.
- 8.1.5. Mixing and Proportioning:** Asphalt concrete shall be hot plant mixed and shall be furnished from the plant at a temperature not to exceed 325° F (163° C). The mixing temperature shall be selected based on the temperature-viscosity of the binder and shall be included in the mix design.

The Contractor may use warm mix asphalt concrete (WMAC) as a substitute for HMAC on all paving as an option upon approval by the Engineer. WMAC will be subject to all requirements for HMAC in Section 00745, except as modified in these special provisions.

00745.01 Abbreviations: Add WMAC – Warm Mix Asphalt Concrete

00745.02 Definitions: Add Warm Mix Asphalt Concrete (WMAC) – An asphalt concrete mix following all the requirements of HMAC except that through the use of additives or processes it is mixed and placed at lower temperatures. The term WMAC shall be used interchangeably with HMAC except in subsection 00745.49(a-1).

00745.11(b) Asphalt Cement Additives: Add the following to the end of this subsection:

For Warm Mix Asphalt Concrete (WMAC) the additives or processes listed on the following table, or approved equal, shall be used on this contract.

WMAC Technology	Process Type	Supplier
Advera (Synthetic Zeolite)	Foaming Process	PQ Corporation
Aspha-Min (Synthetic Zeolite)	Foaming Process	Aspha-Min
Evotherm	Chemical Additive	Mead/Westvaco Asphalt Innovations
Redi-Set WMX	Chemical Additive	Akzo Nobel Surfactants, Inc.
Sasobit	Organic Additive	Sasol Wax Americas, Inc.
Plant Foaming Equipment	Foaming Process	Various Suppliers

00745.43(b) Temperatures: Add the following – For WMAC, complete breakdown and intermediate compaction before the WMAC temperature drops below the threshold recommended by the additive supplier or equipment manufacturer. The temperature thresholds during the process and for placement shall be provided as part of the mix design submittal if using WMAC for approval.

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8.1.6. Tack Coat: The tack coat shall conform to Section 00730 Asphalt Tack Coat of the Oregon Standard Specifications of Construction and the manufacturer's specifications. Manufacturer's Specifications shall be provided to the City at the preconstruction conference.

8.1.7. Submittals: The Contractor shall furnish a list of all materials, including the AC mix design along with laboratory tests and certificates of compliance. Submittals must be submitted no later than the preconstruction conference. All material submittals must reference compliance with the requirements of these specifications. The contractor shall be responsible for all costs associated with preparing submittals, laboratory testing, and providing the required mix design.

The mix design report shall be within 6 months of the project start date and from the same material sources as used on this project. The Contractor will have their asphalt supplier provide mix samples for oven calibration to the City's tester at no cost.

8.1.8. Sampling & Testing: Sampling and testing shall comply with Oregon's Standard Specifications for Construction, Section 00745. The City will obtain daily samples of materials to be used in the work and test such samples for the purpose of verifying the job mix gradation and asphalt content. Normally the sampling point will be the same as for process control (QC) or the point of manufacture. The owner shall also have the right to inspect sources of materials to be used. All sampling and testing will be performed by certified laboratory technicians including those tests performed by or for the owner (QA).

If the testing results show the material out of specification, the backup sample will be tested. The City and contractor will agree to either have the City's tester conduct the retest or have the retest conducted by a third party tester. If a third party tester is chosen, the contractor will have their asphalt supplier provide mix samples for oven calibration at no cost. The costs associated with the testing of the backup sample will be split between the City and the contractor. If the backup sample test results are within specification, the material will be accepted and the full bid price will be paid. If the backup sample is out of specification, it will be the expense and responsibility of the contractor to resolve and repair any areas out of specification, including and up to removal and replacement.

8.2. Construction:

8.2.1. General: Asphalt concrete shall be delivered in a thoroughly blended condition and shall be spread by an asphalt paving machine in such a manner as to avoid segregation during the placing operations. Areas inaccessible to spreading and compaction equipment may be paved by such methods as may be approved by the City. All mixtures shall be spread at a temperature not less than 275° F (135° C), and not greater than 325° F (163° C). Initial rolling shall be performed immediately after placement. Pneumatic rollers will not be allowed. Specific compaction temperatures shall be determined using the temperature-viscosity curve of the binder provided in the mix design. Asphalt concrete should not be placed when the atmospheric temperature is below 50° F (10° C) and/or raining.

8.2.2. Load Restrictions for Construction Vehicles and Equipment: The contractor shall not use vehicles with rear drop axles in which raising the drop axle would cause the vehicle to exceed legal load limits.

8.2.3. Overlay Cleaning: All surfaces to be overlaid shall be swept clean by the contractor no more than 24 hours in advance of paving. The contractor shall remove vegetation prior to washing or sweeping. The contractor shall use vacuum street sweepers that are self propelled equipment with rotating brooms and brushes that are capable of loosening dirt and debris from the road surface. In those areas where dirt and debris cannot be removed with sweeping alone, washing of the surface will be required.

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Water used shall be from any domestic supply approved by the City. When water is obtained from the City fire hydrants, the contractor shall obtain all necessary bulk water permits and meters from the Water Department. Cost of the permit and water shall be considered incidental to the unit bid prices. For more information regarding necessary permits and fees call the Water Department at 503-615-6700.

8.2.4. Tack Coat: Treat all paved surfaces on and against which HMAC is to be placed with an asphalt tack coat according to Oregon's Standard Specifications for Construction, Section 00730 – Emulsified Asphalt Tack Coat, including all vertical surfaces of existing pavement, curbs, gutters, and construction joints. Shields protecting curb faces shall be provided and used during tacking of curb faces. Immediately before applying the tack coat, clean and dry the surface to be tacked. Remove all material, loose or otherwise, that will reduce adhesion of the tack by brooming, flushing with water or other approved methods.

When pavement reinforcement fabric is to be used, application of tack coating will be modified to comply with the fabric manufacturer's specifications.

In all instances, tack coat must be allowed to cure or "break" prior to the application of any fabric or asphaltic concrete. Payment for tack coat will be considered incidental to the unit price for asphaltic concrete.

8.2.5. Pre-Leveling/Base Lift: Those areas designated by the mapbook/Inspector as requiring pre-leveling, such as depressions, ruts, holes, or uneven surfaces, shall be brought to grade after cleaning and tack coating, prior to overlaying. These areas shall then receive a surface coating of tack prior to overlay. Payment for pre-level or base lifts will be on a per ton basis, per lift price of the individual project being overlaid (i.e. if the project calls for a 2.5" Level 2, 1/2" dense graded overlay the pre-level/base lift will be paid under that particular bid item and if the project calls for a 2" Level 3, 1/2" dense graded overlay the pre-level/base lift will be paid under that particular bid item, etc.) with all other costs incidental. Only work that is approved by the Engineer will be subject to payment.

8.3. Workmanship:

8.3.1. Compaction: For normal pavements, asphalt concrete shall be compacted to an average relative density of 92.0 percent of the maximum theoretical unit weight (Rice Gravity) for first lift, single lifts and all other applications. The theoretical maximum unit weight will be determined from production samples of the asphalt concrete on the project. Tests will be run at random locations to verify compaction. Compaction of the mix will be determined by use of a nuclear density gauge. The contractor will provide density testing for the completed sub-lots and will submit results to the Project Manager by the end of the working shift. The City's tester will perform additional random density testing at a minimum of 5 shots per roadway for acceptance.

The contractor shall notify the Engineer/Inspector immediately when the average density does not meet 92% or exceeds 95%. An investigation will be initiated to determine if the results indicate that a problem with the mix is developing before laying any more material. Take all actions necessary to resolve compaction problems. Do not resume paving until allowed by the Engineer.

Take immediate corrective measures when the specified compaction density is not being achieved. At the Engineer's discretion, corrective measures may include removing and replacing areas that fail to comply with compaction requirements.

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The contractor shall provide sufficient personnel and manual compacting equipment to perform all handwork compaction in unison with the initial compaction rolling. If the handwork compaction begins to lag for whatever reason, the contractor shall cease paving operations until the handwork compaction is caught up with the rest of the paving operation. Finish rolling shall be started after the pavement has cooled sufficiently to permit removal of the roller marks and shall be continued as necessary to produce a pavement free of indentations, marks, or ridges.

8.3.2. Thickness: The compacted total thickness of any course, other than leveling courses, shall have an average thickness at least equaling the designated thickness. The minimum thickness at any location shall not be less than the specified thickness minus ¼ inch (6.5 mm)

8.3.3. Finished Surface: The completed surface shall be thoroughly compacted, smooth, and free from ruts, humps, depressions, irregularities, rock pockets, excessive course aggregate, and roller marks.

Any ridges, indentations, or other objectionable marks left in the surface of the asphalt concrete, shall be eliminated by rolling or other means. The use of any equipment that leaves ridges, indentations, or other objectionable marks in the asphalt concrete shall be discontinued.

Areas of handwork at joints and miscellaneous structures shall match the smooth surface texture of all other areas of the new pavement. ***Care shall be taken not to broadcast at longitudinal joints.*** Course aggregate removed during raking shall not be returned to the finished mat surface. Cold course aggregate shall not be reused, but discarded. Finished areas of asphalt concrete adjacent to concrete drainage facilities shall be placed in such a manner that the finished surface is no greater than ¼ inch (65 mm) higher than and no lower than flush with the facility.

Take immediate corrective measures when segregation or non-uniform surface texture is occurring in the finished mat. If segregation continues to occur, stop production until a plan for providing uniform surface texture is approved by the Engineer.

Remove and replace any HMAC that is loose, broken, mixed with dirt, shows visually too much or too little asphalt, or is defective in any way.

Upon completion of paving, all joints shall be sealed using a combination of approved emulsified asphalt and sand with a minimum of 4.0 inches overlap of the two surfaces. The newly paved surface will be protected from traffic until it has sufficiently cooled and has been properly cured.

8.3.4. Roof Drains: The contractor shall keep all curb and/or edge of road drains (roof drains) clear of HMAC.

8.3.5. Payment: Payment for asphalt shall be based on a unit price per ton for furnishing and placing all materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified.

9. Grinding

9.1. Full Width: For the streets specified, full width grinding of existing asphalt for the full street width shall be done to the depth specified in the bid. Any asphaltic concrete left in place next to the curb or curb and gutter that cannot be removed by the grinder shall be removed by other means. All full width grinding shall be completed no more than **72 hours** in advance of overlay. Payment for this work shall be by the square yard under the specified depths.

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9.2. Temporary Wedges: At the end of work day at locations where drop offs exceed 1 inch, temporary wedges which can be readily removed prior to continuation of work shall be placed at vehicle crossings. The wedges shall be no less than 3.0 feet in width and shall be constructed with regard to the posted speed limits for the area. Appropriate signing indicating "Bump" shall be maintained at the location of the wedge(s) until work resumes. Payment for this work shall be incidental to the unit prices for grinding and the signage included in the "Traffic Control" bid item.

9.3. Curb Inlets and Catch Basins: The contractor shall be responsible for protecting all curb inlets and catch basin from debris during the grinding process in accordance with Clean Water Services standards. The contractor shall also be responsible for removing any grinding debris that enters curb inlets or catch basins. Payment for this work shall be incidental to the unit prices for grinding.

10. Asphalt Concrete Removal (Excavation) and Preparation

After all required pavement grinding is complete; areas of defective pavement shall be designated and marked by the Inspector for replacement. These areas shall be saw cut by the contractor in rectangular sections. Saw cuts shall be made 1.0 foot beyond the damaged pavement area. Slurry from saw cutting shall be contained, removed from the site, and shall not come in contact with any wetland, waterway, or catch basins. Cost of saw cutting shall be considered incidental to the "Asphalt Concrete Removal and Preparation" bid item. Excavation shall consist of the removal of all defective bituminous material and any underlying concrete pavement, if present.

Edge cracking or damage associated with removal shall be repaired at the contractor's expense. All materials removed by the contractor shall become the property of the contractor and must be removed from the job site and disposed of in a legal manner. No provisions for on-site storage of spoils will be made.

Prior to the street overlay, defective pavement shall be replaced with a minimum of 3" of Level 2, 1/2" dense graded asphalt or match the existing asphalt surface, whichever is greater. The tables list approximate depths for the AC Replacement areas suspected to be deeper than the typical 3 inches. There is no guarantee to the accuracy of these depths. Asphalt replacement shall be subject to the compaction requirements in Section 8.3.1. In areas where defective pavement has been replaced, the finished surface shall match the line, grade, and elevation of the existing surface. Where the width of the replacement section exceeds 4.5 feet, an approved strike off assembly shall be used and shall be capable of providing a uniform surface, free of defects or irregularities.

11. Base Preparation

Base preparation will be required after grinding as directed by the Engineer/Inspector. Once the grinding is complete the contractor will re-grade and roll the area to compact any loose material and obtain a level surface prior to placing the asphalt concrete lift. Payment will be considered incidental and included in the appropriate bid item.

12. Surveying

The City Engineering Division will provide all construction surveying required for this project. A minimum of **48 hours** notice shall be provided for any staking required. ***A minimum of one (1) week notice shall be provided for any marking of limits within the alleys.*** Contact Mike Filicky (503-681-6294), the City Surveyor for all construction survey issues.

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13. Subgrade Stabilization

Over excavation is anticipated in the areas of NE Goldie Drive, NW Amberwood Drive, SE 45th Court, and SE Wynnwood Drive due to suspected failures of existing base and subgrade. This work will require utility locates, which is the responsibility of the contractor. Telephone numbers for utility notification:

Oregon Utility Notification Center	1-800-332-2344 or 503-232-1987
City of Hillsboro	503-615-6509 (48 Hours notice)

ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center.

Removal and disposal of excavated material shall include earth, organic material, concrete, rock, asphalt, metal, and pipe to the specified depth or as directed by the Engineer in the field. Excavation to subgrade must be made in a manner that will not damage the subgrade. No vehicles, including construction equipment shall be allowed to drive on the exposed subgrade. ***Base rock shall be installed as quickly as possible to facilitate the reopening of the roadway to traffic.*** Any damage to subgrade caused by the contractor shall be repaired at the contractor's expense. Subgrade testing will not be required.

All excavated material shall become the property of the contractor. The cost of hauling and dumping shall be considered incidental and included in the appropriate bid item. The contractor shall not stockpile on the roadway or within the public right-of-way at any time during construction. All material shall be disposed of off-site in a legal manner.

Place Mirafi 500x (or approved equal) woven subgrade geotextile and backfill according to Oregon's Standard Specifications for Construction, Section 00331 with 1" minus base rock conforming to Section 2630 at the specified compacted depth or as directed by the Engineer.

This work, as directed by the Engineer in the field, shall be constructed measured and paid by the cubic yard measured in place according to Oregon's Standard Specifications for Construction, Section 00331 "Subgrade Stabilization" bid item, and shall include all materials including geotextile, backfill, equipment, labor, and incidentals needed to complete the work.

14. Adjustment of Structures

The contractor shall be responsible for adjusting all manholes, survey monument boxes, water valve boxes, catch basins, cleanouts, or other structures which will not otherwise be to finished grade upon completion of paving. Payment for the adjustment of these structures will be on a per unit basis. There are survey pins/spikes that will require the installation of a new survey monument box. Detail drawing attached. Payment for the new structures will be on a per unit basis.

For those structures owned and maintained by utility companies, the contractor will be responsible for coordinating the adjustment with the appropriate company. Adjustment of utility company structures will be considered incidental to the unit bid prices.

The contractor shall be responsible for adjusting all catch basin grates which, after overlay, would result in a catch basin depth of over two (2) inches from street grade. The contractor may taper the edges of the asphalt overlay to all catch basins in circumstances where the catch basin depth will not exceed two (2) inches.

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For sewer and storm system manholes, adjustment will be made using concrete grade adjustment rings and a high strength non-shrink quick set grouting. The grout shall be capable of setting in 15 minutes and ready for traffic in an hour. Any manholes with existing steel/iron adjustment rings shall have those rings removed and replaced with concrete grade adjustment rings and a high strength non-shrink quick set grouting.

The cleanouts may be raised to grade physically or with steel/iron riser rings.

Valve boxes shall not transmit shock or stress to the valve and shall be centered and plumb over the wrench nut of the valve, with the box cover flush with the surface of the finished pavement or such other level as may be directed. The contractor shall adjust existing valve boxes to finish grade as required for paving. Existing valve boxes that cannot be adjusted shall be removed. The contractor shall obtain a replacement valve box provided by the City of Hillsboro Water Department and install as required by contacting Water Operations at 503-615-6700. If the top of the valve nut is more than 4 feet below finished grade, contact the City of Hillsboro Water Department Operations to install a valve stem extension.

15. Reconstruct Existing Manhole Frame

The AC replacement at NE Lenox Street between Katie Drive/2nd Drive requires the reconstruction of the existing manhole frame and grade rings. Sawcut and remove existing asphalt as needed to complete the work. Remove existing manhole lid, casting, and any damaged concrete grade rings, and loose or damaged grout. Take care to ensure that no materials fall into the manhole or pipes. Any materials that enter the manhole must be promptly removed. Replace all damaged grade rings and set in non shrink grout. If the casting and lid are in good condition they may be reinstalled. If the casting is damaged, or does not fit well with the lid, the casting or lid will need to be replaced. The reconstructed manhole frame should be set to final paving grade without the use of metal paving risers. If the existing frame already included a riser, it shall be removed and the frame adjusted to work without the riser. AC pavement removed to complete this work shall be restored to the original depth. All materials and workmanship for the manhole frame reconstruction shall comply with Clean Water Services Design and Construction Standards.

Payment for reconstruction of existing manhole frame shall be payment in full for furnishing and placing all materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified on a unit price per each, in place.

16. Jointing

Cold joints on all overlays shall be reduced to the shortest lengths possible. At the end of the working day, all work performed shall be completed with a transverse joint. *Location of the transverse joint must be approved by the Inspector.*

Temporary wedges shall be placed at these joints, which can be readily removed prior to continuation of work. The wedges shall be no less than 3.0 feet in width and shall be constructed with regard to the posted speed limits for the area. Appropriate signing indicating "Abrupt Edge" or "Bump" shall be maintained at the location of the wedge(s) until work resumes.

No longitudinal cold joints will be allowed to remain exposed for more than 3.5 hours without the adjacent panel being paved. Sealing of these joints must meet the satisfaction of the Inspector.

17. Shoulder Rock

Use ¾" minus shoulder rock in the areas as indicated in the spreadsheets. The shoulder rock shall comply with Oregon's Standard Specifications for Construction Section 00640. Use clean, hard, durable aggregates, reasonably well-graded from maximum size to dust. This work shall be constructed measured and paid by the ton under the ¾" Minus Shoulder Rock bid item. Payment will be in full for furnishing excavation and placing all materials including backfill, geotextile, equipment, labor, and incidentals needed to complete the work as specified.

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18. Bridge Joint Sealing

Sawcut and seal the bridge joints at NW Amberwood Drive with a hot-poured loop sealant (Crafco loop detector sealant 271 or approved equal) after overlay. All sealant materials shall be 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 for acceptance.

Slurry from saw cutting shall be contained, removed from the site, and shall not come in contact with any wetland, waterway, or catch basins/inlets. Cost of saw cutting shall be considered incidental to this bid item. The surface shall be thoroughly cleaned of any slurry, dirt, and foreign material before placement of the sealant.

Use proper sealing equipment for the specific material listed according to the manufacturer's recommendations. The sealant material shall be applied following the manufacturer's specifications for mixture temperature. No material shall be prepared or applied until the ambient temperature is 50°F (10°C) or greater and the pavement temperature is 45°F (7°C) or greater. In the event the pavement temperature drops below 45°F (7°C), application will be suspended.

Traffic shall not be reopened to the construction area until the sealant has fully cured. If traffic results in lifting or transfer of the material, the contractor shall immediately repair the damage and again allow for proper curing at contractor's expense.

The accepted quantity of sealant will be paid for at the contract unit price per linear foot for the item "Sawcut & Seal Bridge Joints". Payment for furnishing and placing all material, including cleaning and routing as required, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified will be included in the unit price.

19. Striping, Markings, and Reflectorization

All striping including stop bars, crosswalks, and special markings, such as arrows and word stencils, shall be replaced at original locations unless directed by the Engineer. ***The contractor is responsible for re-establishing and pre-marking the centerline, lane lines, crosswalks, stop bars, legends and special markings of all areas overlaid except for NW Amberwood Drive.*** The contractor shall contact Brad Eckland (503-615-6562), the City Assistant Public Works Superintendent or designee a minimum of **48 hours** for verifying layout prior to installing any material or for any questions on re-establishing striping and markings. The City of Hillsboro will only be responsible for layout of NW Amberwood Drive to add the new bike lane on south side, new hi-vis crosswalk, and additional turn arrows to this roadway. The AC Replacement on NW Jackson Street between Ford Lane and 1st Avenue will remove an "R" of the RR-xing symbol. City crews will reinstall this "R".

All markings shall be reflective 3M 380 AW cold tape inlay or approved equal unless otherwise indicated on the bid sheet. Inlaid cold tape shall be placed and rolled at pavement surface temperatures between 120 to 150 degrees Fahrenheit with a finishing roller at a speed of 2 to 3 miles per hour. ***This project requires cold tape inlay to be placed at time of overlay. If the striping materials are not on site for the paving project, the paving will be delayed until the material is available. This delay will not be considered an act to allow the contractor to go over the required 72 hour window from time of grind to time of paving the roadway back.***

The contractor shall replace or install all yellow centerline, white lane lines, white fog line, crosswalks, stop bars, turn arrows, bicycle symbols, two-way and one-way retro-reflective raised pavement markers as indicated on the mapbooks and spreadsheets. The use of torches to place the markers is prohibited near the cold tape inlay.

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If the street is ground out and the overlay cannot be placed by the end of the work day, temporary pavement markings in accordance with the MUTCD Part VI shall be placed by the contractor on lane lines, centerlines, stop bars or any other markings as directed by the Project Manager and maintained until the paving occurs. Temporary pavement markings, most often reflective tabs or reflective foil back tape, will be placed every one hundred (100) feet on the fog line, every forty (40) feet on the center line, and every twenty (20) feet on centerline and lane lines at intersections and in some cases double striping may be required. The reflective foil back tape shall be used to mark out stop bars, crosswalks, and directional arrows where needed. The temporary markings shall match the existing markings and are installed to help guide motorist and pedestrians until the permanent markings can be installed. Centerline markers shall be yellow and lane line markers shall be white. No project area shall be left for the day without re-establishing, at a minimum, temporary stop lines, centerline and lane lines. All temporary striping/markings shall be removed at the time of paving. Temporary pavement markings with placing and maintaining shall be considered incidental to the project.

The comments on the spreadsheets list the stop bars and crosswalks as informational and the quantity is under the 12" white line item.

20. Traffic Signal Detector Loops

Traffic signal detector loops located on NW Amberwood Drive will not be replaced under this contract. The City will replace these loops with video detection.

21. Sidewalk Ramps w/Truncated Domes, Concrete Sidewalk, PCC Driveways, and Curb/Gutter

Sidewalk ramps will be removed and replaced with a new ramp to meet ADA standards, including the truncated dome standard at the locations indicated in the following table or as directed by the Engineer. Refer to the attached ODOT drawings for guidance on ADA requirements. The truncated domes shall be a wet set product, black in color and installed per manufacturer's instructions. ***The contractor shall limit the time each sidewalk ramp is disrupted to 7 days.*** Consideration will be given for changes in weather conditions.

The ramp areas to be replaced with a new ramp and truncated dome panel shall be removed to the nearest joint or shall be saw cut and may include curb/gutter. Some areas of sidewalk adjacent to the ramp removal/replacement will need to be removed (to the nearest joint or shall be saw cut) and replaced to better match existing sidewalk in eliminating any potential trip hazard. Any slurry created by saw cutting shall be contained, removed from the site, and shall not come in contact with any wetland, waterway, or catch basins. All material removed shall become the property of the contractor and disposed of in a legal manner.

The northwest corner ramp on SE 39th Avenue at SE Witch Hazel Road abuts a Washington County roadway. The contractor shall coordinate traffic control and obtain any necessary no-cost right-of-way permits through Washington County by contacting Aaron Clodfelter at 503-846-7632 or Aaron.Clodfelter@co.washington.or.us. The County's "General Construction/Signs" application for the right-of-way permit can be found at <http://www.co.washington.or.us/LUT/Divisions/Operations/Permits/row-permits.cfm>.

Removal and replacement of any curb/gutter as part of the ramp replacement shall be considered incidental and included in the appropriate bid item. Some ramps will require a landscape retaining curb at the property line. The installation of this retaining curb is considered part of the ramp replacement and shall be considered incidental and included in the appropriate bid item. Landscaping shall be restored to an as good or better condition as determined by the Engineer.

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TEMP	SEC ID	STREET LOCATION	CORNER LOCATION	REPLACE RAMP	REPLACE SIDEWALK (SQFT)	Notes
Micro	J1322	E Maint St @ 10 th /Cornell	NE	1	90	NW Corner replace driveway w/truncated dome (144 sf) and AC transition (5x15 sf/1.4 tons)
Micro	E1203C	NE Brogden St @ 33 rd Ct	NE & NW	2	100	
Micro	E1203B	NE Brogden St W of 32 nd @ W property line Church	----	1	----	New ramp.
Micro	1197	NE Sequoia Ct @ Brogden	NE & NW	2	50	
Micro	C1282	NE 30 th Ave @ Brogden	SE & SW	2	25	
Micro	F1206	NE Brogden St @ 34 th	SE/SW/NE	3	25	SE corner has benchmark
ADA	D1127	NE Hyde Cir @ Hyde St	NE & SE	2	75	NE corner has Frontier box. SE corner has stop sign and vegetation.
A5	A3318	SE 39 th Ave @ Witch Hazel	NW	1	----	County @ Witch Hazel
A5	A3318	SE 39 th Ave @ Pvt Street	SE	1	----	Private Street
A5	B2427	SE 44 th Ave @ N End CDS	Pathway	1	100	End CDS to Pathway w/Frontier box
A5	B2422	SE 45 th Ct @ Witch Hazel	SE	1	----	Has weep hole and street/stop sign on round pole.
A5	B2422	SE 45 th Ct @ Wynnwood	NE	1	----	Near mailbox unit.
A5	E2431	SE Wynnwood @ 43 rd Ct	SE & NE	2	----	SE corner has WV and street sign on round pole
A5	E2431	SE Wynnwood @ 44 th Ct	NW	1	----	
A5	F2426	SE Wynnwood @ 44 th Ct SE Wynnwood @ 45 th Ct	NE/SE SW/NW	4	----	SW corner has street sign on round pole
F9	B2174 BA	NW Amberwood @ W end Park	----	1	25	New ramp.
F2	237	NE 8 th Ct @ Josephine	NE & NW	2	----	CBs in ramp areas
F2	C509	NE Goldie Dr @ Jackson Village Loop	----	0	100	Remove/replace driveway at Jackson Village Loop (462 sf). Street sign on round pole.
F2	D494A	NE Goldie Dr @ Jaimie NE Goldie Dr @ Geraldine	NW/SW NE(1)/SE(2)/ SW(1)	6	605	Removing 5 ramps & replacing with sidewalk & 65 lf Curb/Gutter. Weep holes in all ramps at Geraldine. SE corner has CB & 2 WV. NE corner has street sign on round pole. Frontier box in sidewalk.
TOTALS				34	1195	

Payment for retrofit and replacement of ramps with truncated domes shall be on a per unit basis with saw cutting, removal, curb/gutter and landscape retaining curb/restoration being considered incidental. Sidewalk will be removed and replaced at HB Alley-Baseline/Oak, NW Amberwood Drive, the locations indicated in the table, or as directed by the Inspector/Engineer. Payment for concrete sidewalk replacement shall be on a square foot basis including labor, saw cutting, removal, landscape restoration, materials, and base rock.

Concrete curb and curb/gutter will be removed and replaced according to City of Hillsboro standards at SE 39th Avenue, NW Amberwood Drive at Bridge, the locations indicated in the table, or as directed by the Inspector/Engineer. Standard details are attached at the end of these specifications. The concrete curb and curb/gutter shall be removed to the nearest joint or shall be saw cut. Any slurry created by saw cutting shall be contained, removed from the site, and shall not come in contact with any wetland, waterway, or

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catch basins. All material removed shall become the property of the contractor and disposed of in a legal manner. ***The curb/gutter at SE 39th Avenue is located at a business driveway, which will be opened to light vehicle traffic 5 days of placing concrete. This may require a high early concrete mix design.*** Payment for removal and replacement of concrete curb and curb/gutter in these specified locations shall be on a linear foot basis with saw cutting and removal being considered incidental.

PCC commercial driveway will be removed and replaced according to City of Hillsboro standards at HB Alley-Baseline/Oak with truncated domes. The PCC residential driveways at the locations listed in the table will need to be removed and replaced with the one at Main Street needing the addition of a truncated dome. Standard details are attached at the end of these specifications.

PCC driveways shall be removed to the nearest joint or shall be saw cut. Any slurry created by saw cutting shall be contained, removed from the site, and shall not come in contact with any wetland, waterway, or catch basins. All material removed shall become the property of the contractor and disposed of in a legal manner. Construct driveways 18 feet and wider in two separate pours to maintain access to the property. ***Driveways shall be opened to light vehicle traffic within 5 days of placing concrete. This may require a high early concrete mix design.*** The sidewalk section of all driveways shall comply with current ADA regulations.

The curb in front of the driveways is included in the square footage quantity of the driveway removal and replacement item. Payment for removal and replacement of PCC driveways shall be on a square foot basis with saw cutting and removal being considered incidental.

All sidewalk ramps, sidewalks, driveways, curb and curb/gutter work shall be completed at least 5 days prior to the grinding for overlays. If the contractor damages any of the concrete work during the overlay, they will be responsible for repairing at the contractor's expense.

22. Sanitary Facilities

The contractor shall provide proper on-site sanitary facilities for its employees.

23. Asphalt Cement Material Price Escalation/De-escalation

An asphalt cement escalation/de-escalation clause will be in effect during the life of the contract. The City reserves all of its rights under the contract, including, but not limited to, its rights for suspension of the work and termination of the contract under the City of Hillsboro Standard Terms & Conditions for Public Improvement Contracts Part VI. Section J, and this escalation/de-escalation provision shall not limit those rights.

a. Monthly Asphalt Cement Material Price (MACMP) – The Monthly Asphalt Cement Material Price (MACMP) will be established by the City each month. For information regarding the calculation of the MACMP, and for the actual MACMP, go to the ODOT website at: http://www.oregon.gov/ODOT/HWY/ESTIMATING/pages/asphalt_fuel.aspx. If the City selected index ceases to be available for any reason, the City in its discretion will select and begin using a substitute price source or index to establish the MACMP each month. The MACMP will apply to all asphalt cement including but not limited to paving grade, polymer modified, and emulsified asphalts, and recycling agents. The City does not guarantee that asphalt cement will be available at the MACMP.

b. Base Asphalt Cement Material Price (Base) – The Base asphalt cement material price for this Project is the MACMP published on the ODOT website for the month immediately preceding the bid opening date.

SPECIAL SPECIFICATIONS
SCHEDULE "B": OVERLAYS & AC REPLACEMENTS
2015 PAVEMENT MANAGEMENT PROGRAM
#20552222-6102

c. Monthly Asphalt Cement Adjustment Factor – The Monthly Asphalt Cement Adjustment Factor will be determined each month as follows:

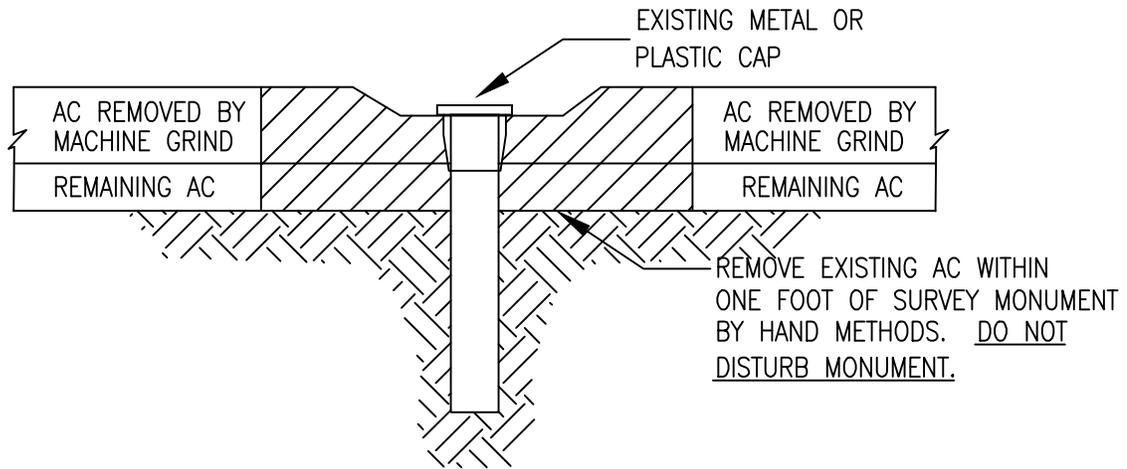
- If the MACMP is within $\pm 10\%$ of the Base, there will be no adjustment.
- If the MACMP is more than 110% of the Base, then:
Adjustment Factor = (MACMP) – (1.10 x Base)
- If the MACMP is less than 95% of the Base, then:
Adjustment Factor = MACMP) – (0.90 x Base)

d. Asphalt Cement Price Adjustment – A price adjustment will be made for the items containing asphalt cement listed below. The price adjustment as calculated in (c) above will use the MACMP for the month the asphalt is incorporated into the Project. The price adjustment will be applied to the quantity of asphalt cement calculated from quality control testing performed according to Oregon's Standard Specifications for Construction, Section 00745 and will be adjusted to exclude the asphalt cement contained in RAP (recycled asphalt pavement). The percentage of asphalt cement contained in RAP shown in the JMF (job mix formula) will be used for the adjustment.

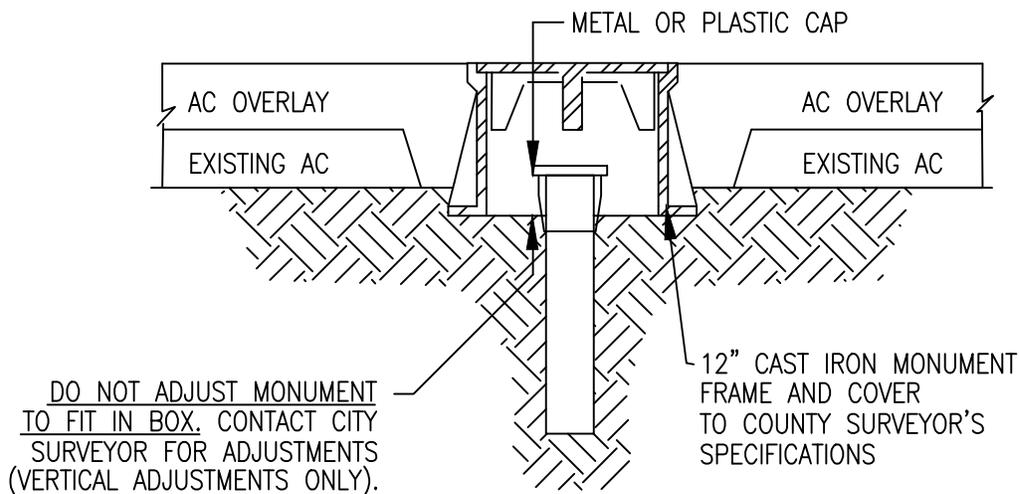
The Pay Items for which price adjustments will be made under these Special Provisions are:

- Asphalt Concrete Replacement
- 2" Level 2, 1/2" Dense Graded Asphalt Concrete
- 2.5" Level 2, 1/2" Dense Graded Asphalt Concrete
- 3" Level 2, 1/2" Dense Graded Asphalt Concrete

EXISTING SURVEY MONUMENT



MONUMENT BOX INSTALLATION



PHONE: 503.681.6146 | FAX: 503.681.6245
150 E MAIN ST | 4TH FLOOR | HILLSBORO, OR 97123-4089

CENTERLINE SURVEY MONUMENT BOX RETROFIT FOR OVERLAYS

FILE NAME: PW- SURVEY MON BOX.DWG

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL
DRAWING



IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

SHEET NO.

PROJECT NO.

PLOT DATE: 4/26/2013 2:33 PM

FINAL



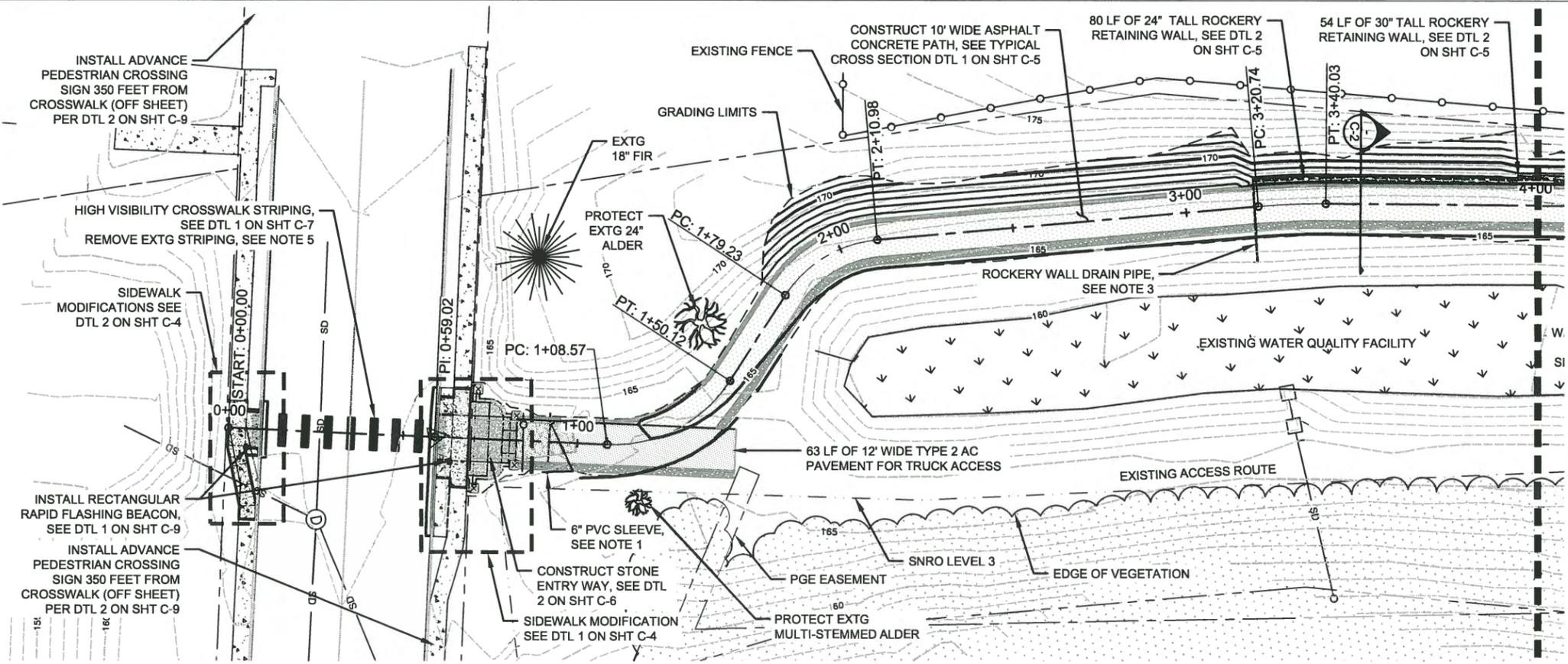
City of Hillsboro
Parks & Recreation
4400 NW 229th Ave., Hillsboro, OR 97123

Rock Creek Trail
NW Cornell Road to NW Amberwood Dr

GENERAL
CONSTRUCTION - 1

Date: 09-29-14
Rev: 00-00-00

Sheet No.
C-2



EXISTING CONDITIONS LEGEND:

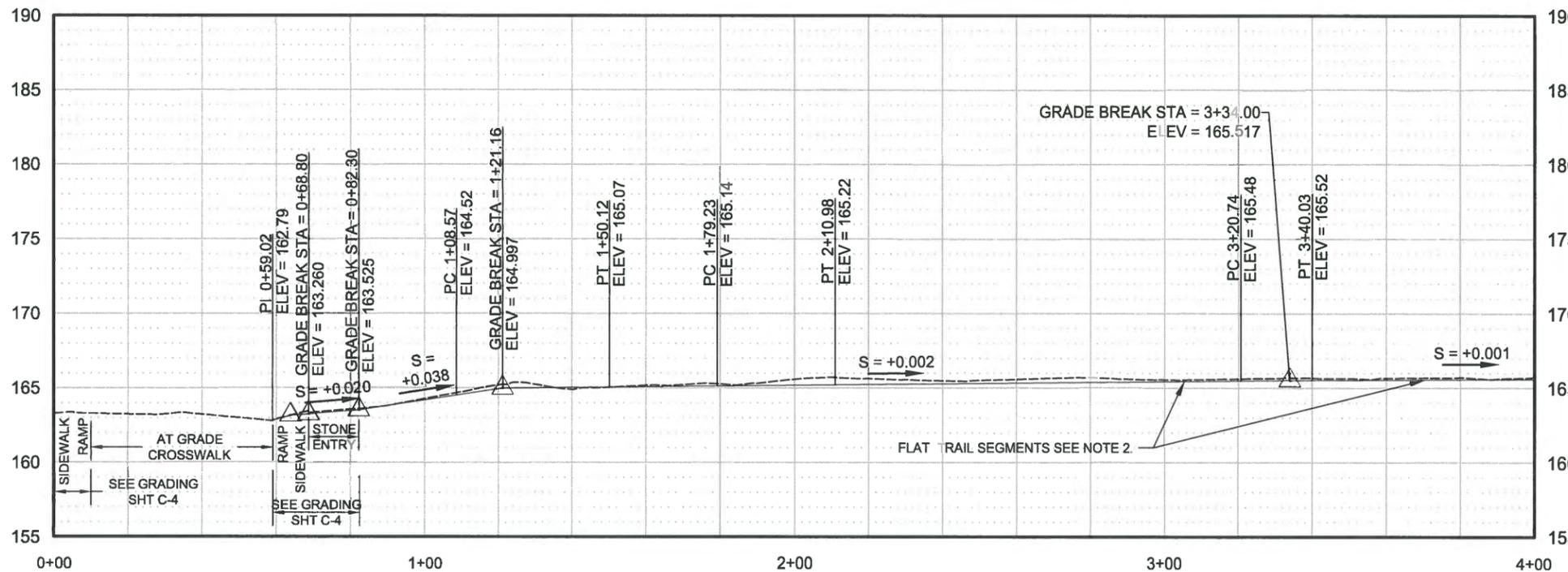
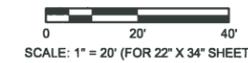
- MAJOR CONTOUR
- MINOR CONTOUR
- PROPERTY LINE
- EASEMENT
- EXISTING FENCE
- VEGETATION LINE
- EXISTING TREES
- STORM PIPE
- CATCH BASIN
- STORM MANHOLE

NOTES:

1. INSTALL 6" DIA PVC SLEEVE TO ACCOMMODATE FUTURE IRRIGATION LINES. BOTH ENDS OF THE SLEEVE SHALL BE IDENTIFIED ABOVE GROUND WITH A MARKER APPROVED BY HILLSBORO PARKS AND RECREATION.
2. TAKE SPECIAL CARE TO MAINTAIN 2% CROSS SLOPE ON FLAT SEGMENTS OF TRAIL TO PREVENT PONDING.
3. INSTALL ROCKERY WALL WITH DRAIN PIPE PER SPECS. DISCHARGE DRAIN PIPE DOWNSLOPE AS NECESSARY AND PLACE 1 1/2" - 3/4" ROCK AT OUTFALL TO PREVENT EROSION.
4. AT TRAIL GRADE CHANGES GREATER THAN 3%, CONSTRUCT VERTICAL CURVES OVER A MINIMUM OF 10 FEET.
5. REMOVE EXISTING STRIPING AS DIRECTED BY CITY ENGINEER OR INSPECTOR. STRIPING SHALL BE GROUND OFF WITHOUT DAMAGING EXISTING PAVEMENT.

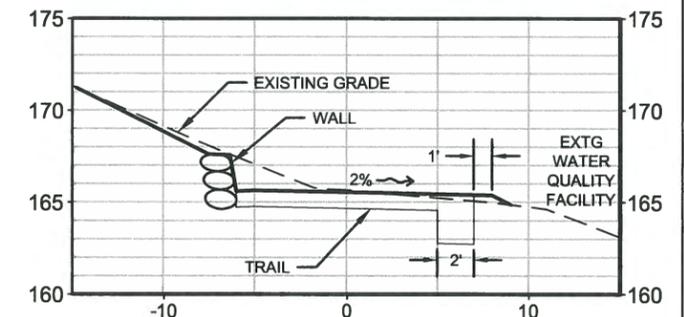
ROCK CREEK TRAIL PLAN STA: 0+00 - 4+00

SCALE: 1" = 20'



ROCK CREEK TRAIL PROFILE STA: 0+00 - 4+00

HORIZ SCALE: 1" = 20'
VERT SCALE: 1" = 5'



CROSS-SECTION STA: 3+50

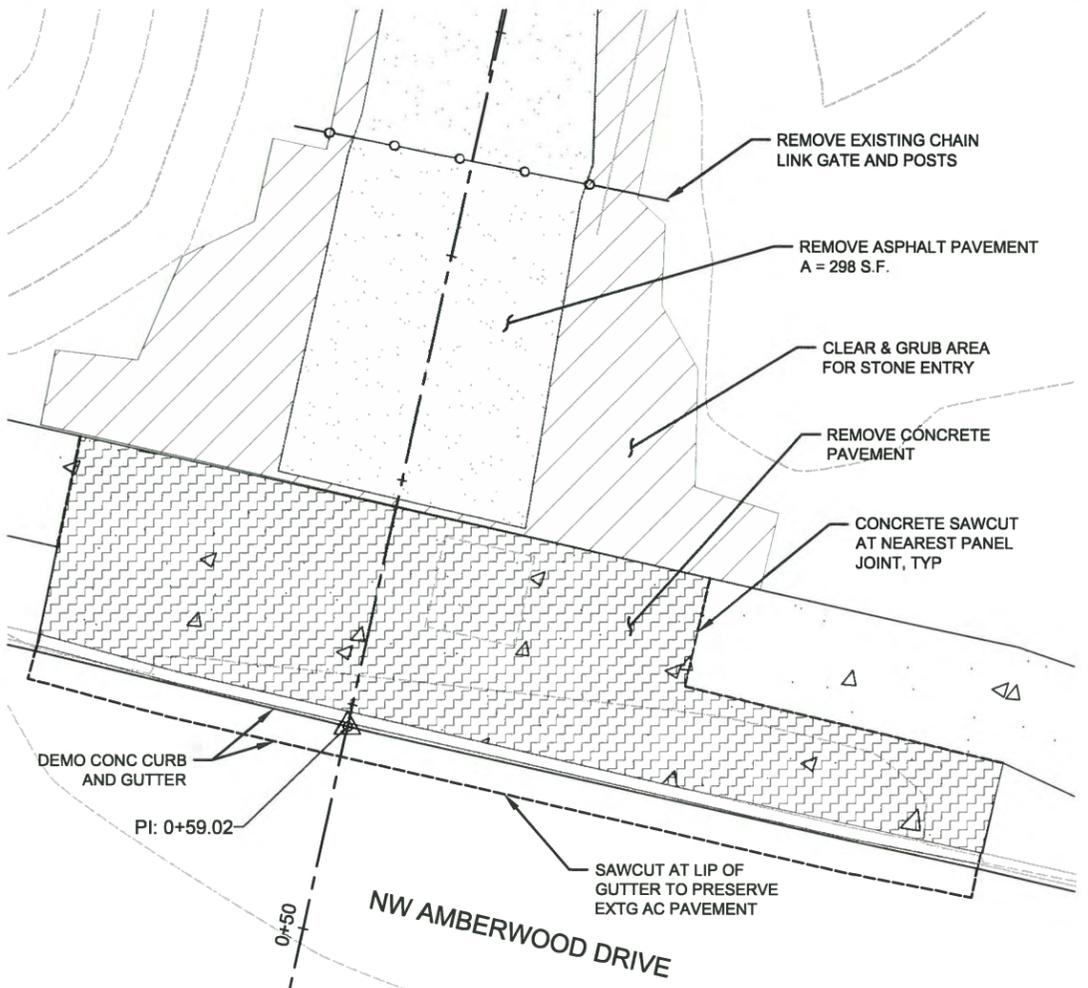
SCALE: 1" = 5'



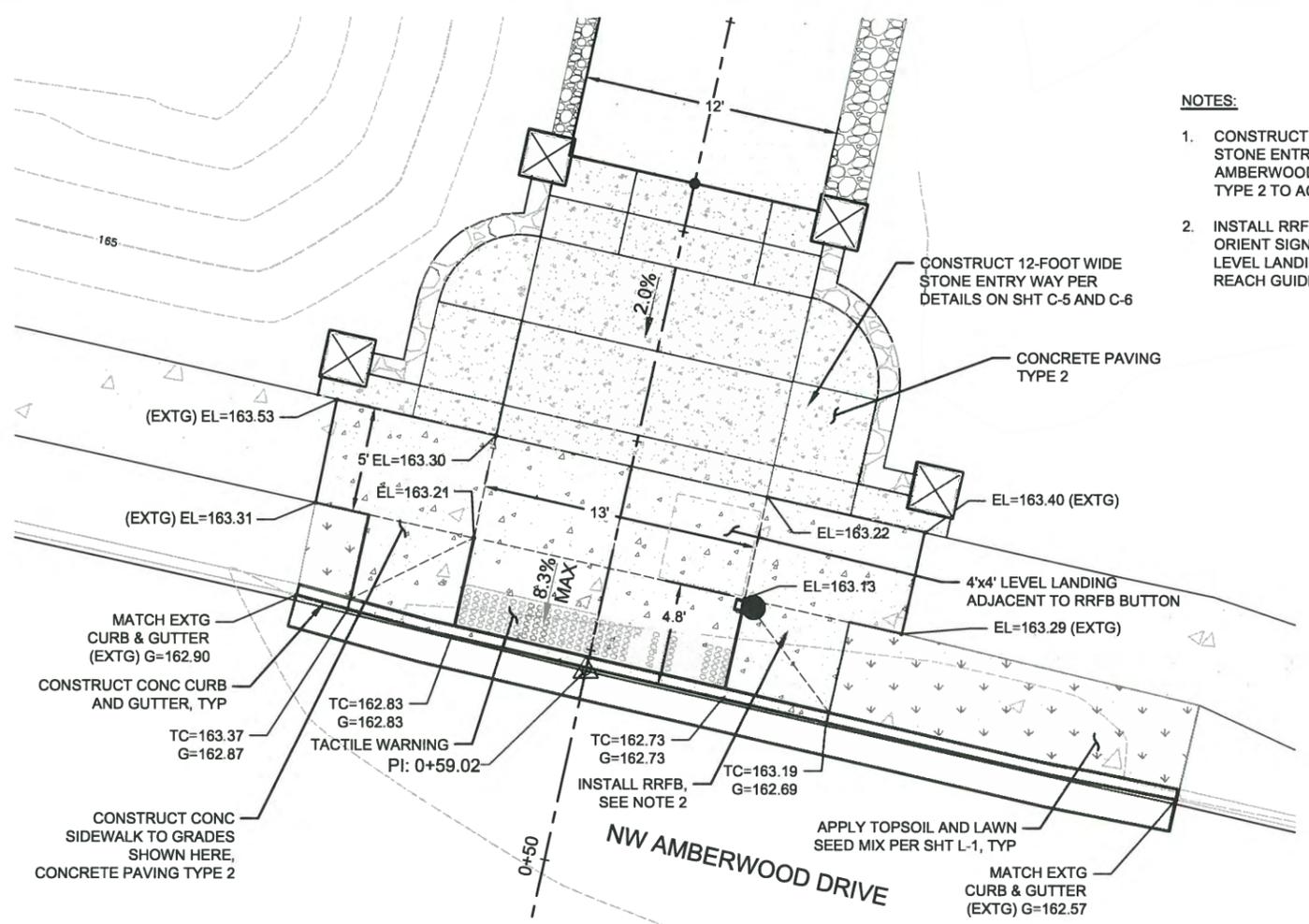
ESA VIGIL-AGRIMIS

RENEWAL DATE 06-30-14

DWG: C:\2013\10130809.00 Rock Creek Trail\CAD-2012\PLT-C-2, C-3 TRAIL PLAN AND PROFILE NEW.dwg USER: hhw
DATE: Sep 29, 2014 8:06pm XREFS: TB_ESAVA_HILL_22434 GRADING & SITEMARK EXISTING CONDITIONS BASEMAP Surface_Alignment_West Side



EXISTING CONDITIONS AND DEMOLITION PLAN

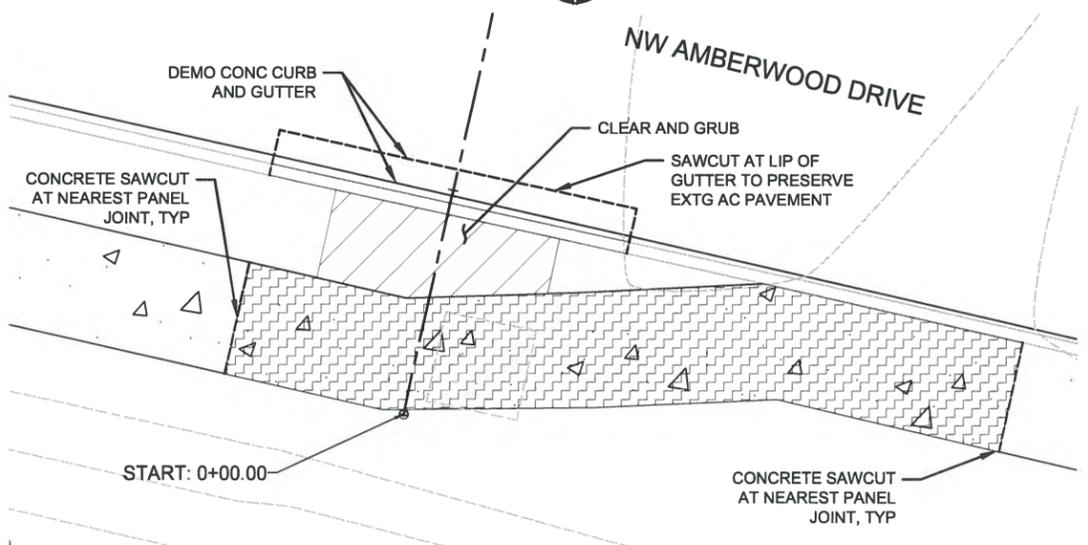
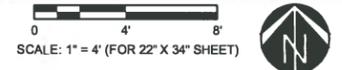


SITEWORK AND GRADING PLAN

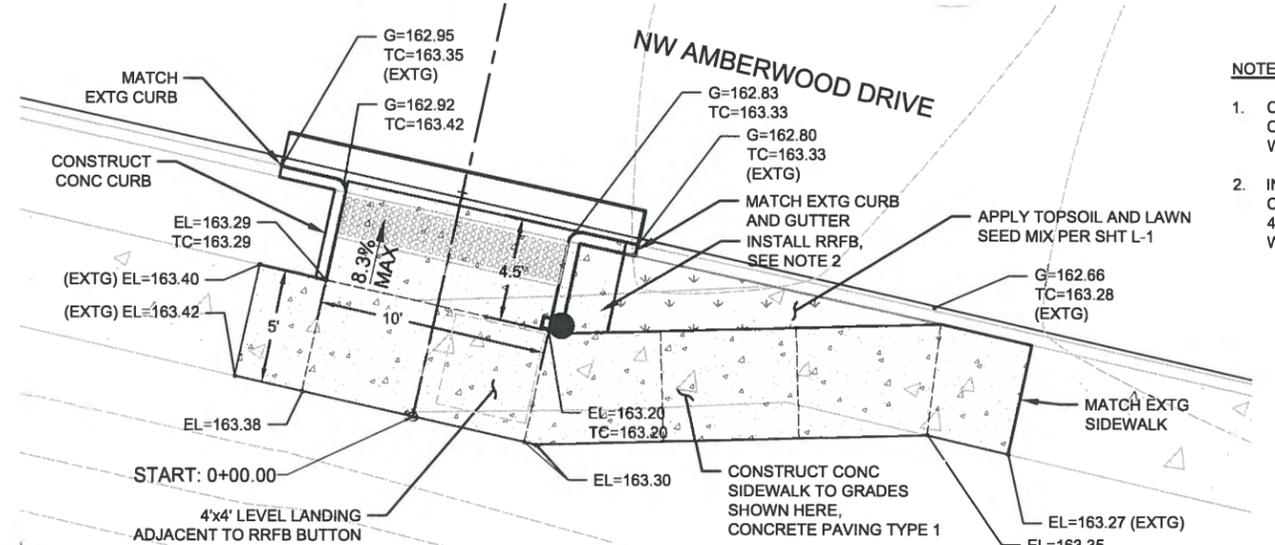
NOTES:

1. CONSTRUCT NEW SIDEWALK, RAMP, AND STONE ENTRY WAY ON NORTH SIDE OF NW AMBERWOOD DR WITH CONCRETE PAVING TYPE 2 TO ACCOMMODATE TRUCK ACCESS.
2. INSTALL RRFB PER DETAIL 1 ON SHEET C-9. ORIENT SIGNAL BUTTON TOWARDS 4'X4' LEVEL LANDING AREA TO COMPLY WITH ADA REACH GUIDLINES.

1 SIDEWALK RAMP ENLARGEMENT - NORTH SIDE OF NW AMBERWOOD DRIVE



EXISTING CONDITIONS AND DEMOLITION PLAN

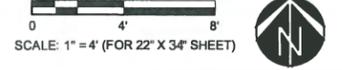


SITEWORK AND GRADING PLAN

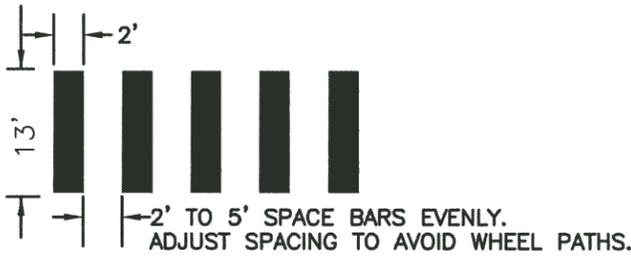
NOTES:

1. CONSTRUCT NEW SIDEWALK AND RAMP ON SOUTH SIDE OF NW AMBERWOOD DR WITH CONCRETE PAVING TYPE 1.
2. INSTALL RRFB PER DETAIL 1 ON SHEET C-9. ORIENT SIGNAL BUTTON TOWARDS 4'X4' LEVEL LANDING AREA TO COMPLY WITH ADA REACH GUIDLINES.

2 SIDEWALK RAMP ENLARGEMENT - SOUTH SIDE OF NW AMBERWOOD DRIVE



DWG: G:\2013\10130809.00 Rock Creek Trail\CAD-2012\10130809-4 GRADING ENLARGEMENTS.dwg USER: nwh
DATE: Sep 29, 2014 6:06pm XREFS: TB_ESAVA_HILL_22x34 Rock Ck Trail DETAILS EXISTING CONDITIONS GRADING & SITEWORK

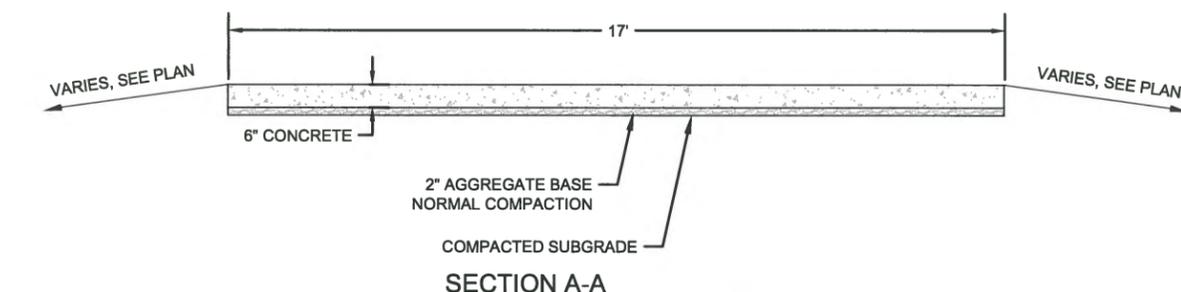
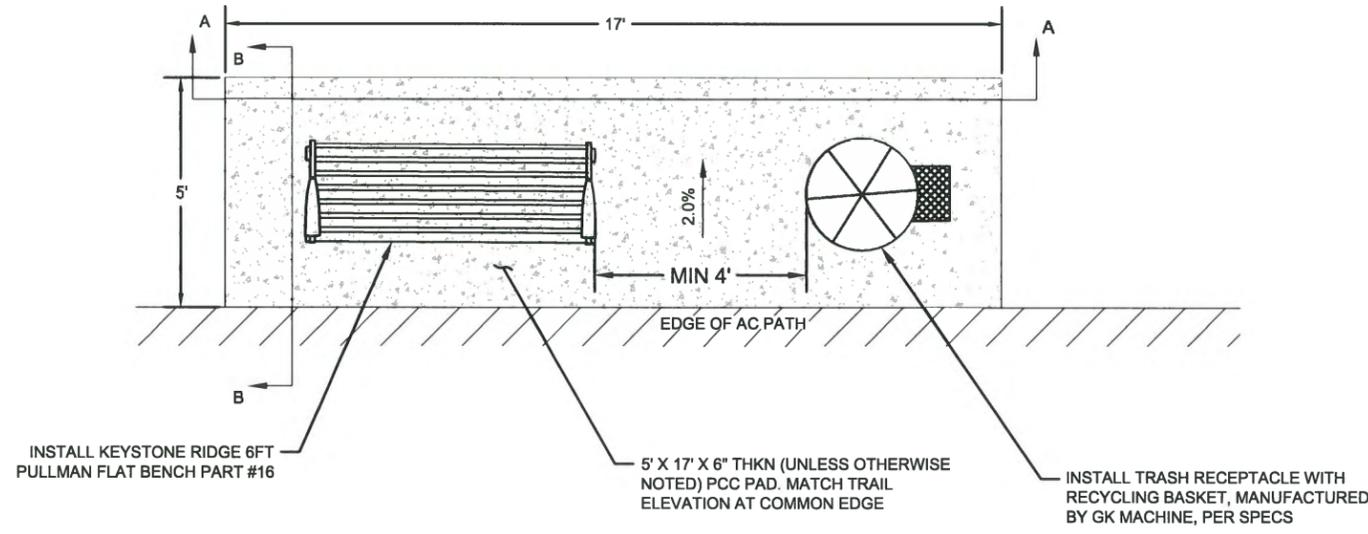


HIGH VISIBILITY CROSSWALK – PLACE 2' WIDE LONGITUDINAL WHITE LINES AS SHOWN ON PLANS. SPACE LINES TO AVOID WHEEL PATHS.

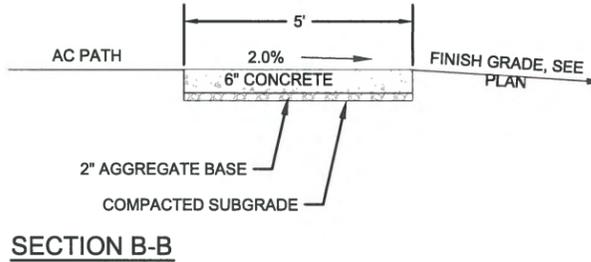
1. LOCATE STOP BARS 10' BACK OF THE EXTENDED FOG LINE, EDGE OF PAVEMENT, OR CURB FACE. VERIFY SIGHT DISTANCE.
2. LOCATE CROSSWALKS AS PER ADA RAMP LOCATIONS OR 5' BACK OF EXTENDED FOGLINE, EDGE OF PAVEMENT OR CURB FACE.
3. REMOVAL OF EXISTING STRIPING IS TO BE DETERMINED IN THE FIELD. STRIPING SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
4. ALL THERMOPLASTIC PAVEMENT MARKING MATERIAL SHALL BE INSTALLED AS PER SECTION 00850 OF THE OREGON STANDARD SPECIFICATIONS FOR HWY. CONSTRUCTION.
5. ALL PAVEMENT MARKING SHALL CONFORM TO THE MOST CURRENT ODOT SPECIFICATION. COPIES OF THE MATERIALS SPECIFICATIONS ARE AVAILABLE FROM:
ENGINEER OF MATERIALS AND RESEARCH
HWY. MATERIALS LABORATORY
600 AIRPORT ROAD S.E.
SALEM, OR 97310
(503) 986-3100

6. THE ENGINEER MUST OBTAIN AUTHORIZATION FOR PLACEMENT OF "RAILROAD CROSSING" MARKINGS PRIOR TO PLAN APPROVAL. AUTHORIZATION SHALL BE OBTAINED FROM THE ODOT RAIL DIVISION AND WASHINGTON COUNTY TRAFFIC ENGINEERING.
7. FOR SCHOOL ZONE STENCILS, USE ODOT DETAIL 'SCHOOL' & 'X-ING', AS NEEDED, IN 120 mil. WHITE THERMOPLASTIC PAVEMENT MARKING MATERIAL. VERIFY LOCATIONS & STENCILS WITH COUNTY TRAFFIC ENGINEERING. WHEN BOTH ARE USED, SPACING IS 32 FEET.
8. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC WITHIN THE URBAN GROWTH BOUNDARY.
9. FOR DIAGONAL MARKERS, USE "PREMARK IN-LANE RUMBLE BARS" BY FLINT TRADING INC., OR EQUIVALENT.

1 HIGH VISIBILITY CROSSWALK PW-180
SCALE: NTS



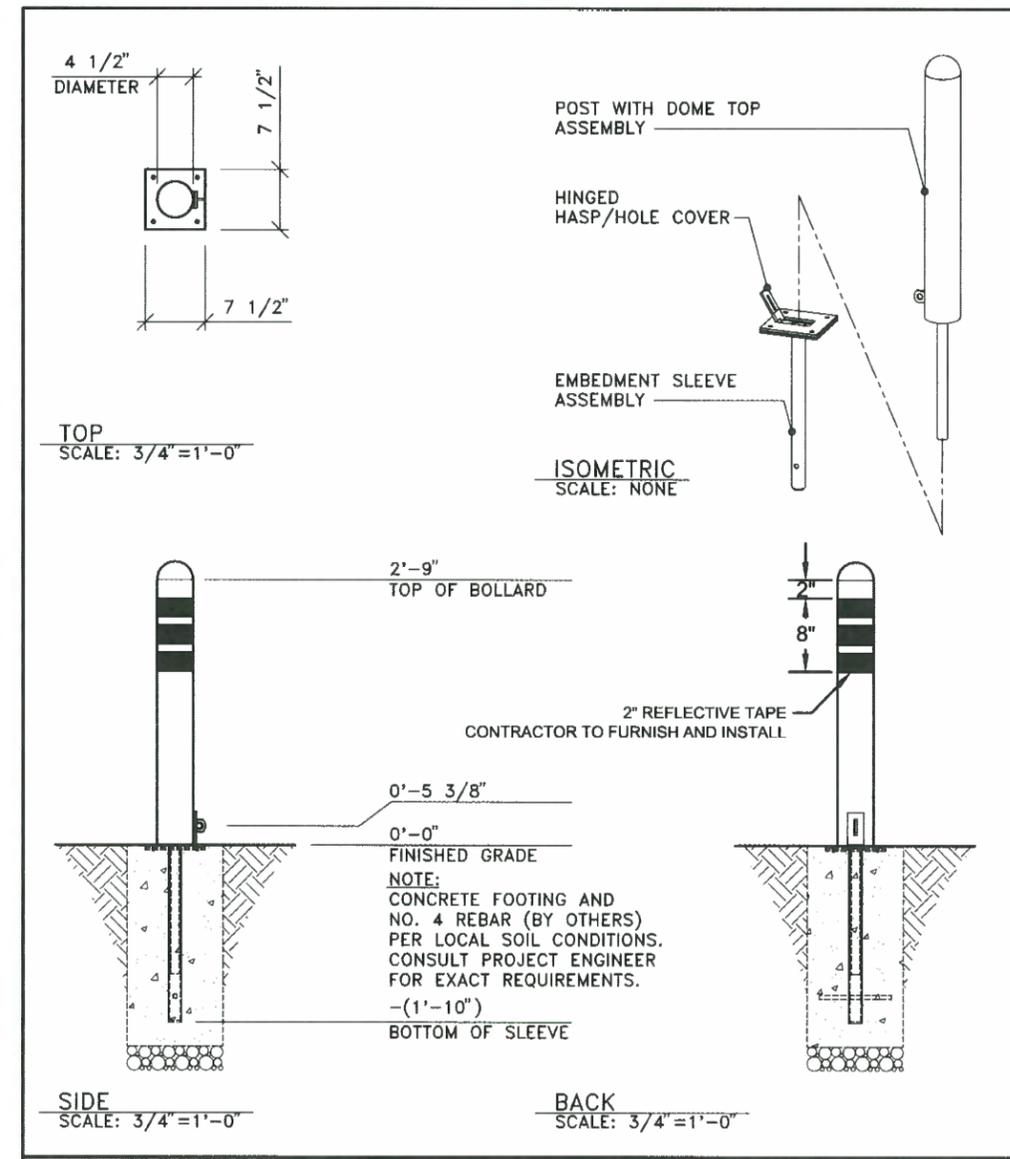
- NOTES:**
1. COMPACT SUBGRADE TO 95% MAX DENSITY PER ASTM D698 AND SPECIFICATIONS.



2 CONCRETE BENCH PAD
SCALE: 1" = 1'



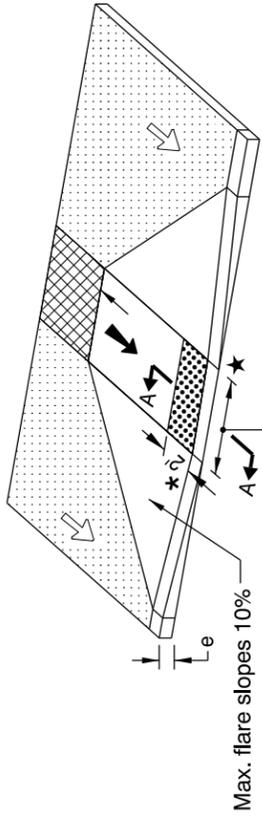
3 REMOVABLE BOLLARD
SCALE: 1" = 6"



Date	Revision	By	<p>Makers of TimberForm®, PipeLine®, RePlay®, TimberForm™-2 and CyoLoops® Products. 1300 S.W. Sixth Avenue, Suite 310 Telephone 503/223-1157 Portland, Oregon 97201-3464 Facsimile 503/223-4530 U.S.A.</p>	<p>Title: TIMBERFORM METAL BOLLARDS MODEL NO. 2190-RH REMOVABLE BOLLARD WITH HASP/HOLE COVER</p>
Scale	Drawn by: CL	07-04-10		
NOTED	Checked by:			
<p>This drawing reveals the copyrighted intellectual property of Columbia Cascade Company. Not for use by others without our express, written authorization.</p>			Drawing No. W-2190-RH	Sheet 1 of 1



DWG: G:\2013\130809.00 Rock Creek Trail\CAD-2012\PLT-C-5 SITE DETAILS.dwg USER: hhw
 DATE: Sep 29, 2014 6:07pm XREFS: TB_ESAVA_HILL_22x34 Rock Ck Trail DETAILS

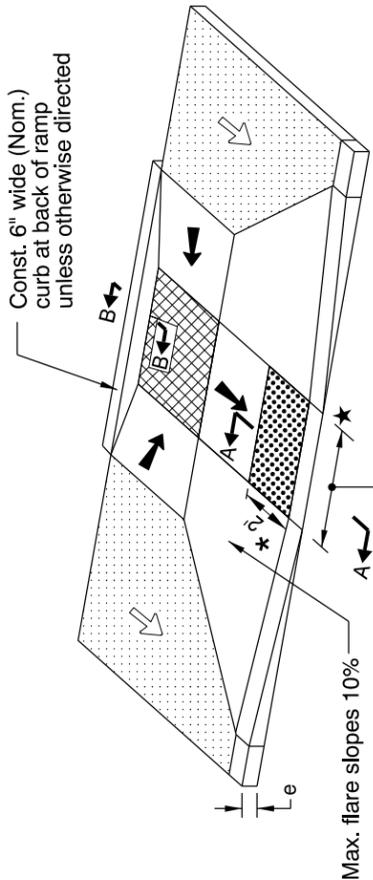


Max. flare slopes 10%

★ See general note 11

Normal width equal to approaching sidewalk
(New construction 5' min., alterations 4' min.)

PERPENDICULAR SIDEWALK RAMP DETAIL
(Use "Parallel Sidewalk Ramp Detail" or "Combination Sidewalk Ramp Detail"
when reqd. turning space cannot be obtained)



Const. 6" wide (Nom.)
curb at back of ramp
unless otherwise directed

Normal width equal to approaching sidewalk
(New construction 5' min., alterations 4' min.)

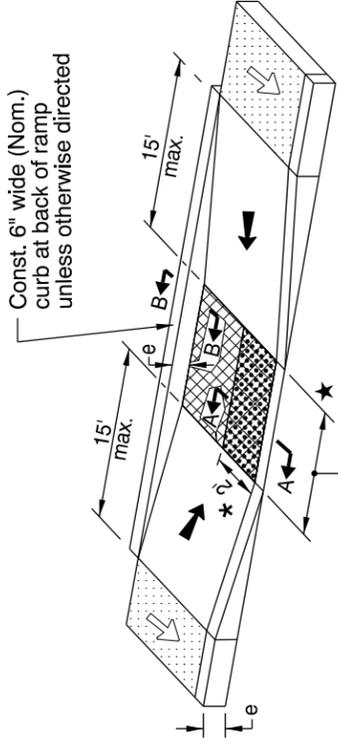
Max. flare slopes 10%

★ See general note 11

COMBINATION SIDEWALK RAMP DETAIL

GENERAL NOTES FOR ALL DETAILS:

1. Sidewalk ramp details are based on United States Access Board Standards.
2. See Std. Drgs. RD700 & RD701 for curbs. See Std. Drg. RD720 for sidewalks. See Std. Drgs. TM503 & TM530 for crosswalk markings, widths, etc.
3. Tooled joints are required at all sidewalk ramp slope break lines.
4. Sidewalk curb ramp slopes shown are relative to the true level horizon (Zero bubble).
5. Place truncated dome detectable warning surface in the lower 2' adjacent to traffic of throat of ramp only. For details not shown, see Std. Drg. RD759.
6. Side flares that are not part of the path of travel may be any slope.
7. Sidewalk flare is not necessary where the ramp is protected from pedestrian cross-travel.



Const. 6" wide (Nom.)
curb at back of ramp
unless otherwise directed

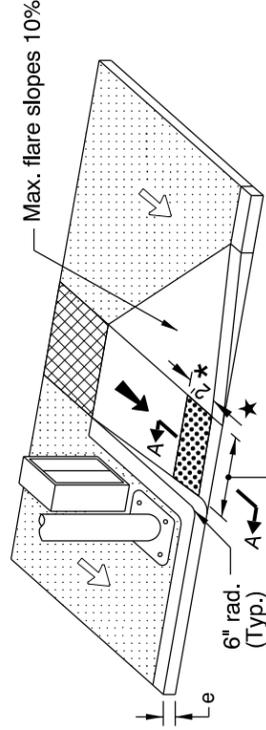
15' max.

15' max.

★ See general note 11

Normal width equal to approaching sidewalk
(New construction 5' min., alterations 4' min.)

PARALLEL SIDEWALK RAMP DETAIL



Max. flare slopes 10%

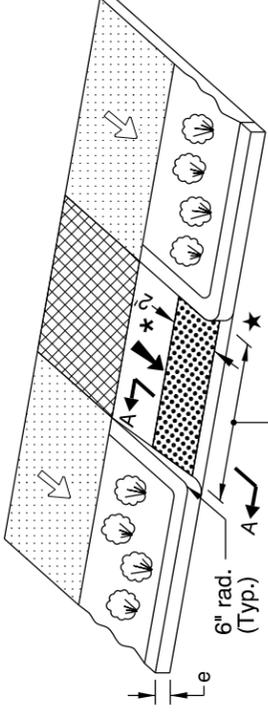
6" rad. (Typ.)

Normal width equal to approaching sidewalk
(New construction 5' min., alterations 4' min.)

★ See general note 11

PERPENDICULAR SIDEWALK RAMP DETAIL (WITH SINGLE FLARE)
(Use "Parallel Sidewalk Ramp Detail" or "Combination Sidewalk Ramp Detail"
when reqd. turning space cannot be obtained)

8. For the purpose of this drawing, a curb ramp is considered "perpendicular" if the angle between the longitudinal axis of the ramp and a line tangent to the curb at the ramp center is 75° or greater.
9. Ramps for paths intersecting a roadway should be full width of path, excluding flares. When a ramp is used to provide bicycle access from a roadway to a sidewalk, the ramp should be 8' wide.
10. For sidewalk ramp placement options, see Std. Drgs. RD756 & RD757.
11. Check the gutter flow depth at ramp locations to assure that the design flood does not overtop the back of sidewalk at ramp. If overtopping occurs place an inlet at upstream side of ramp or perform other approved design mitigation.
12. Only use details allowed by jurisdiction.

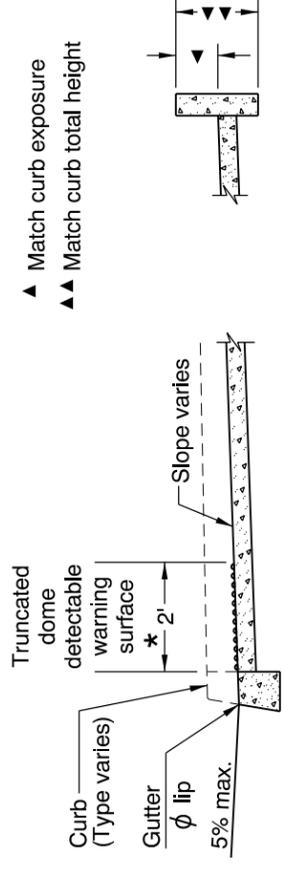


6" rad. (Typ.)

★ See general note 11

Normal width equal to approaching sidewalk
(New construction 5' min., alterations 4' min.)

**PERPENDICULAR SIDEWALK RAMP DETAIL
(THROUGH BUFFER STRIP)**



SECTION A-A

SECTION B-B

Slope 2% max.

Slope 8.33% (1":12") max.

Truncated dome detectable warning surface

Turning space (Min. level area 48" x 48")
For the purposes of this application,
a 2% maximum slope (For drainage) is considered level

★ 2'

See general note 5

CALC. BOOK NO. N/A

BASELINE REPORT DATE 08-JUL-2013

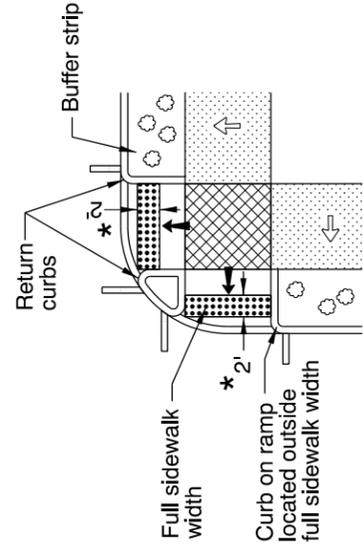
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

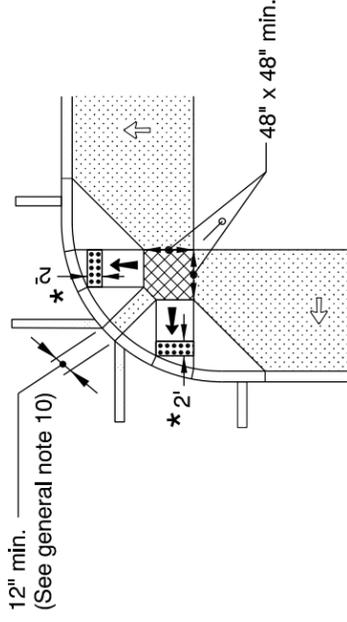
SIDEWALK RAMP DETAILS

DATE	REVISION DESCRIPTION
06-2009	REVISED DETAILS & NOTES
12-2009	REVISED NOTE
07-2010	REVISED NOTE
01-2013	REVISED NOTES
07-2013	REVISED NOTES

2008



OPTION A
PERPENDICULAR RAMP WITH LANDSCAPED BUFFER STRIP



OPTION B
PERPENDICULAR RAMP (FOR WIDE SIDEWALKS)

Marked or intended crossing location

Slope 2% max.

Slope 8.33% (1":12") max.
 (Ramp length 15' max.)



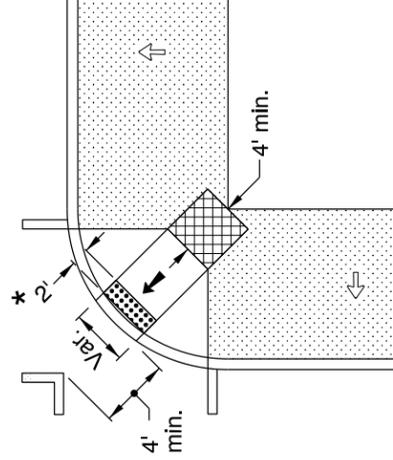
Truncated dome detectable warning surface



Turning space (Minimum level area 48" x 48")
 For the purposes of this application,
 a 2% maximum slope (For drainage) is considered level

* 2'

See general note 5

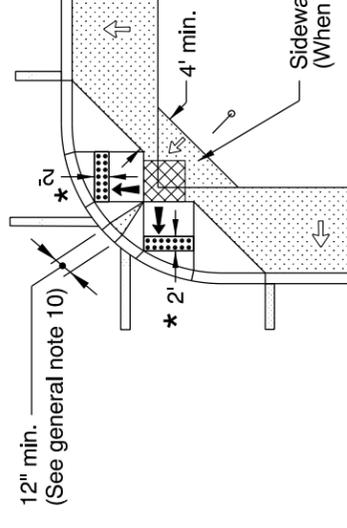


OPTION D
DIAGONAL RAMP (FOR WIDE SIDEWALKS)

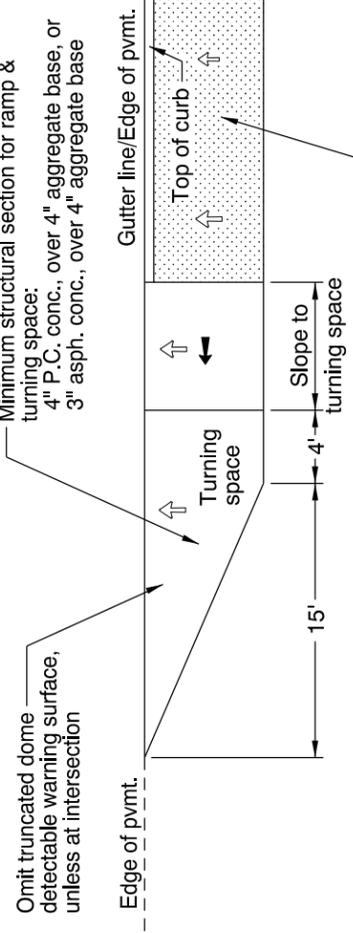
Use in alterations only and when site constraints prohibit installing two ramps

GENERAL NOTES FOR ALL DETAILS:

1. Sidewalk ramp details are based on United States Access Board Standards.
2. See Std. Drgs. RD700 & RD701 for curbs. See Std. Drg. RD720 for sidewalks. See Std. Drgs. TM503 & TM530 for crosswalk markings, widths, etc. See Std. Drg. RD755 for sidewalk ramp details.
3. Tooled joints are required at all sidewalk ramp slope break lines.
4. Sidewalk curb ramp slopes shown are relative to the true level horizon (Zero bubble).
5. Place truncated dome detectable warning surface in the lower 2' adjacent to traffic of throat of ramp only. For details not shown, see Std. Drg. RD759.
6. Side flares that are not part of the path of travel may be any slope. Check the gutter flow depth to assure that the design flood does not overlap the back of sidewalk. If overtopping occurs place an inlet at upstream side or perform other approved design mitigation.



OPTION C
PERPENDICULAR RAMP (FOR NARROW SIDEWALKS)



Minimum structural section for ramp & turning space:
 4" P.C. conc., over 4" aggregate base, or
 3" asph. conc., over 4" aggregate base

OPTION F
SIDEWALK RAMP AND TURNING SPACE (FOR ENDS OF SIDEWALKS)

CALC. BOOK NO. N/A

BASELINE REPORT DATE 08-JUL-2013

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

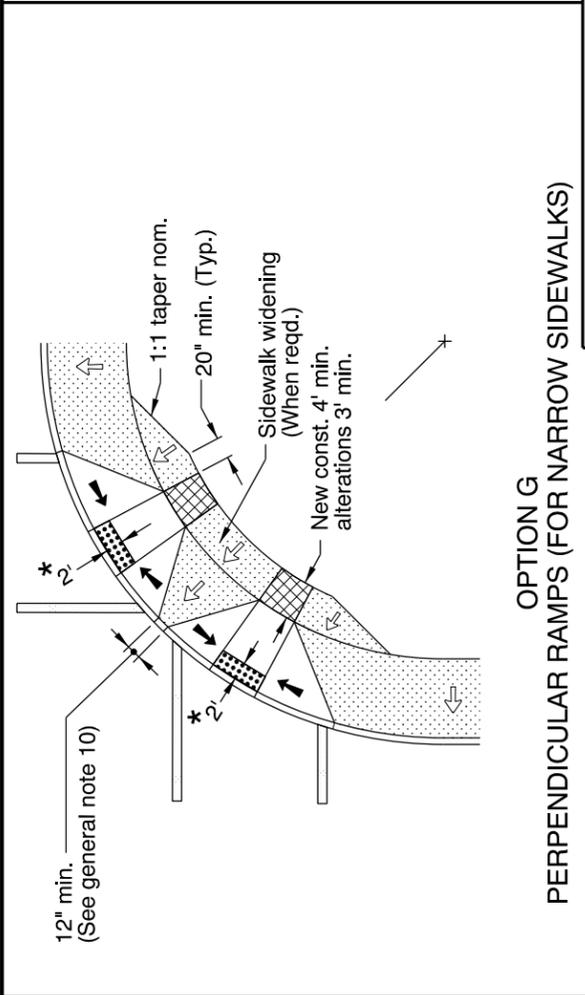
OREGON STANDARD DRAWINGS

SIDEWALK RAMP PLACEMENT OPTIONS
CURB RADII ≤ 15'

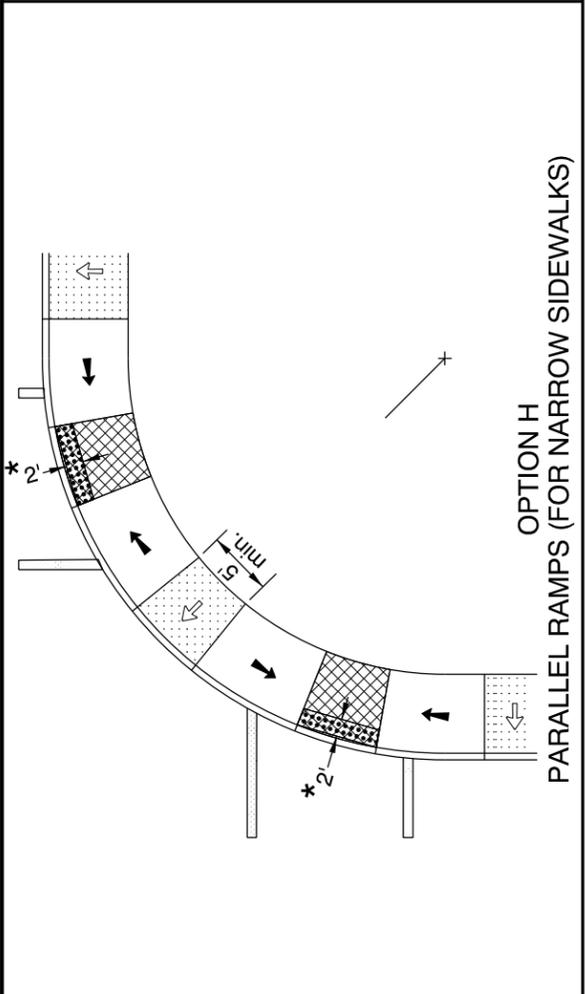
DATE	REVISION DESCRIPTION
06-2009	REVISED & ADDED NOTES
07-2010	REVISED DETAILS & NOTES
01-2013	REVISED NOTES
07-2013	REVISED NOTES

2008

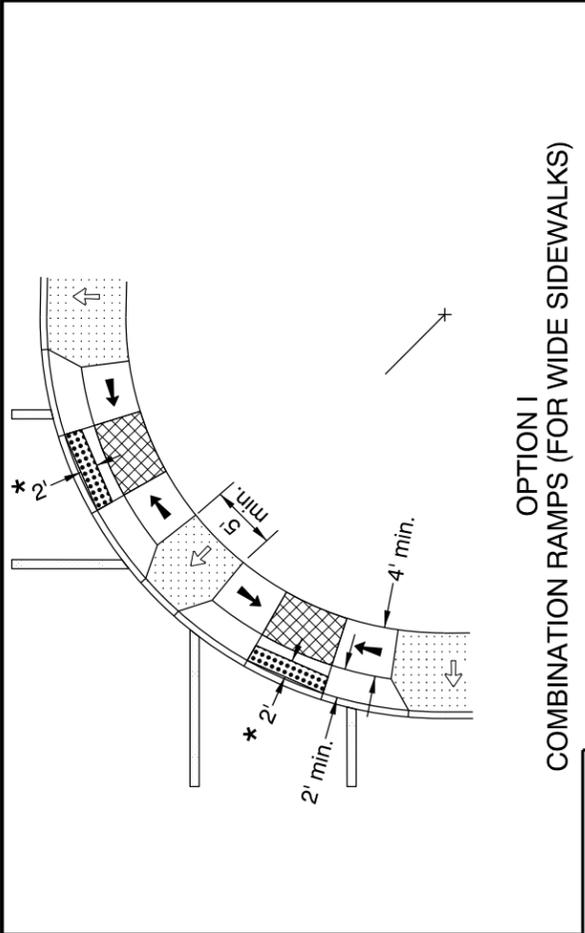
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.



OPTION G
PERPENDICULAR RAMP (FOR NARROW SIDEWALKS)



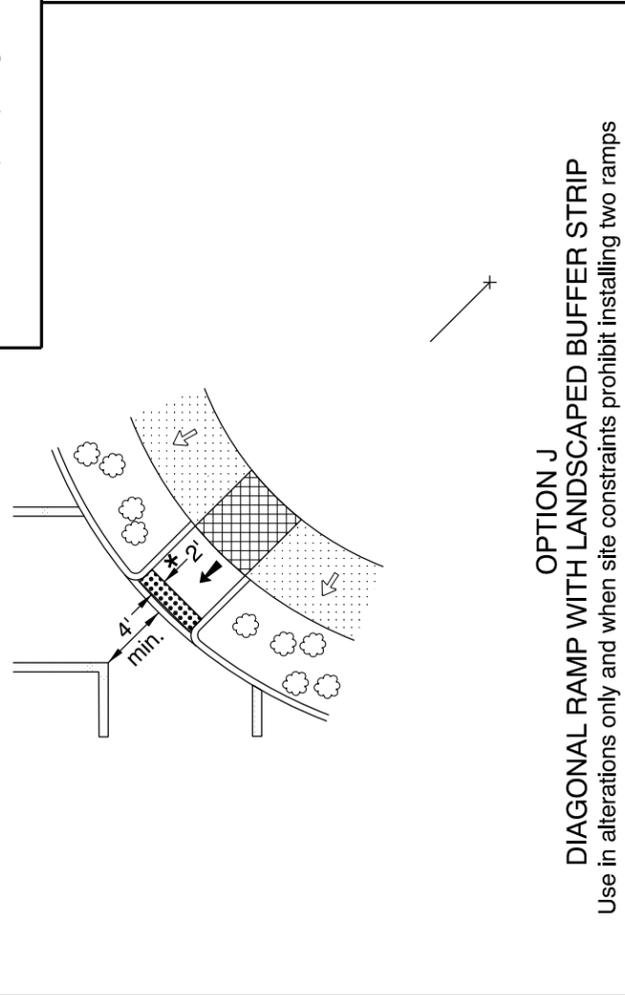
OPTION H
PARALLEL RAMP (FOR NARROW SIDEWALKS)



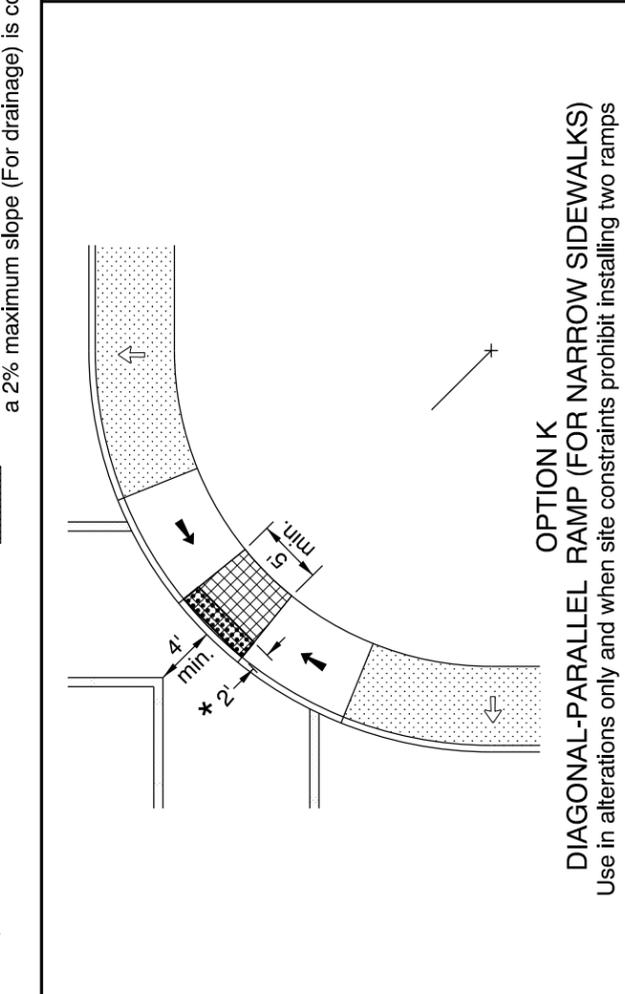
OPTION I
COMBINATION RAMP (FOR WIDE SIDEWALKS)

- Marked or intended crossing location
- Slope 2% max.
- Slope 8.33% (1":12" max.) (Ramp length 15' max.)

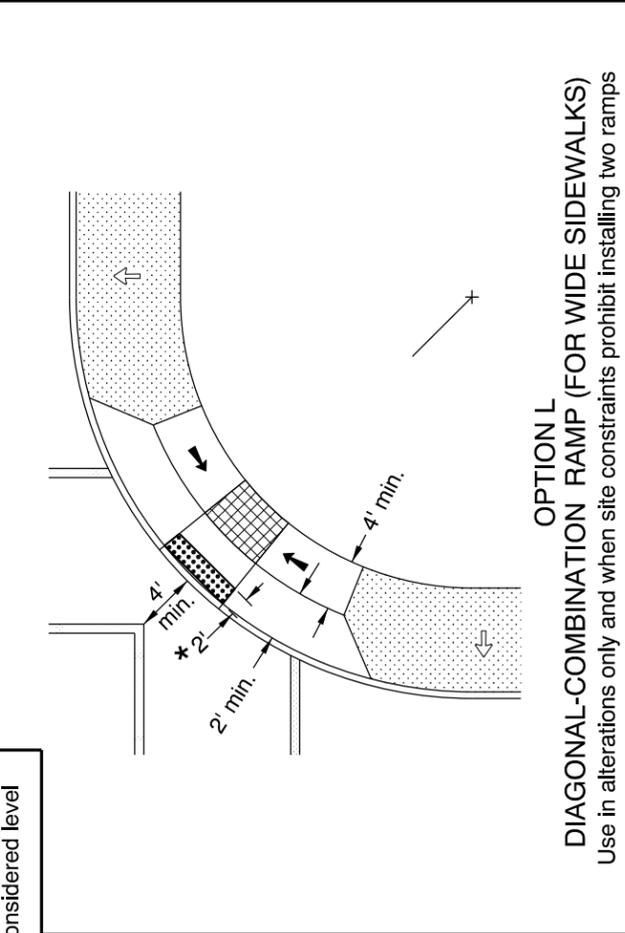
- * 2' See general note 5
- Truncated dome detectable warning surface
- Turning space (Min. level area 48" x 48") For the purposes of this application, a 2% maximum slope (For drainage) is considered level



OPTION J
DIAGONAL RAMP WITH LANDSCAPED BUFFER STRIP



OPTION K
DIAGONAL-PARALLEL RAMP (FOR NARROW SIDEWALKS)



OPTION L
DIAGONAL-COMBINATION RAMP (FOR WIDE SIDEWALKS)

- GENERAL NOTES FOR ALL DETAILS:**
- Sidewalk ramp details are based on United States Access Board Standards.
 - See Std. Drgs. RD700 & RD701 for curbs. See Std. Drg. RD720 for sidewalks. See Std. Drgs. TM503 & TM530 for crosswalk markings, widths, etc. See Std. Drg. RD755 for sidewalk ramp details.
 - Tooled joints are required at all sidewalk ramp slope break lines.
 - Sidewalk curb ramp slopes shown are relative to the true level horizon (Zero bubble).
 - Place truncated dome detectable warning surface in the lower 2' adjacent to traffic of throat of ramp only. For details not shown, see Std. Drg. RD759.
 - Side flares that are not part of the path of travel may be any slope. Check the gutter flow depth to assure that the design flood does not overtop the back of sidewalk. If overtopping occurs place an inlet at upstream side or perform other approved design mitigation.

- Sidewalk flare is not necessary where the ramp is protected from pedestrian cross-travel.
- For the purpose of this drawing, a curb ramp is considered "perpendicular" if the angle between the longitudinal axis of the ramp and a line tangent to the curb at the ramp center is 75° or greater.
- Ramps for paths intersecting a roadway should be full width of path, excluding flares. When a ramp is used to provide bicycle access from a roadway to a sidewalk, the ramp should be 8' wide.
- When 2 curb ramps are immediately adjacent as in Option G, the curb exposure (e) between the adjacent side flares may range between 3" and full design exposure.
- Only use options allowed by jurisdiction.

CALC. BOOK NO. N/A BASELINE REPORT DATE 08-JUL-2013

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

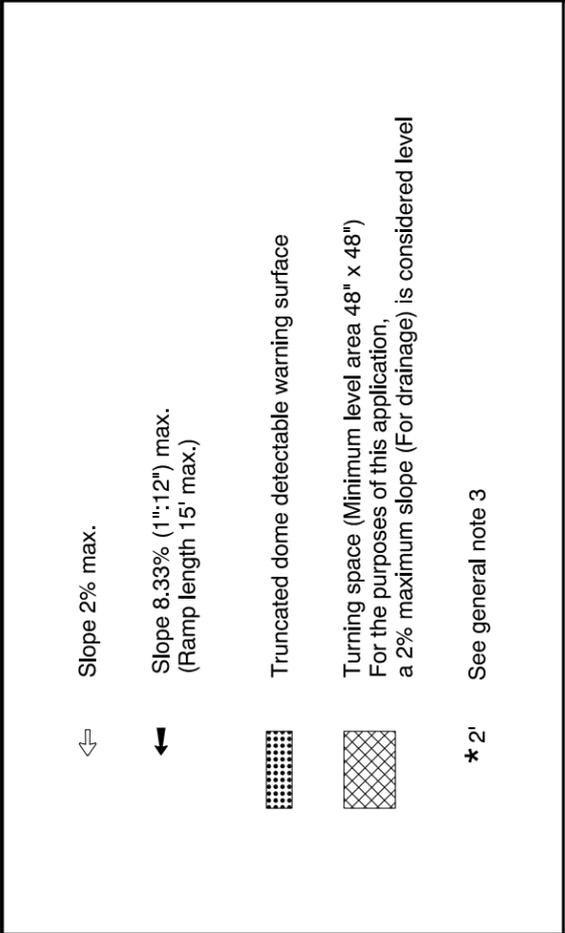
OREGON STANDARD DRAWINGS

SIDEWALK RAMP PLACEMENT OPTIONS
CURB RADII > 15'

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

2008

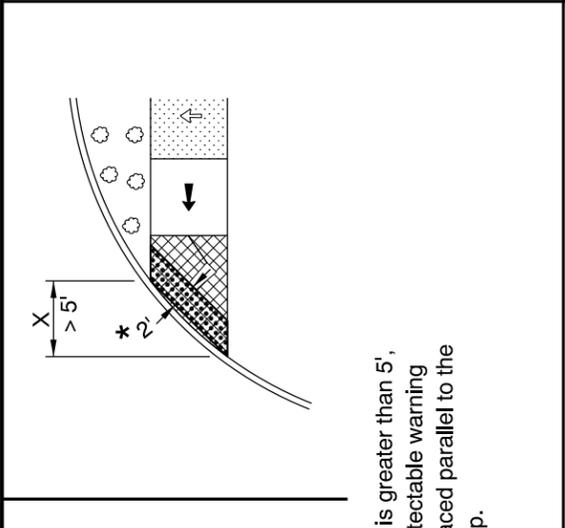
DATE	REVISION DESCRIPTION
06-2009	REVISED DETAILS & NOTES
07-2010	REVISED DETAILS & NOTES
01-2013	REVISED NOTE
07-2013	REVISED NOTES



PLACEMENT ON SIDEWALK RAMP

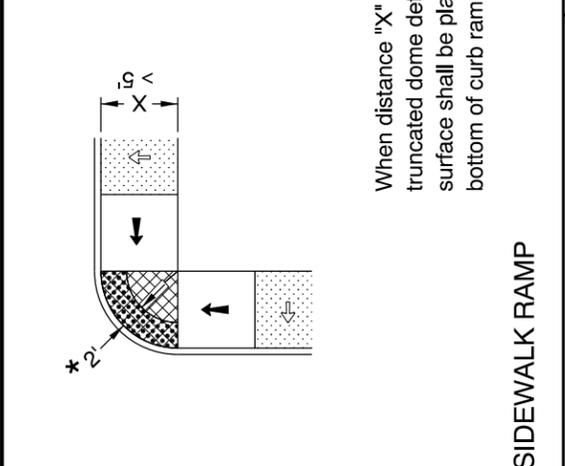
When distance "X" is less than 5', truncated dome detectable warning surface shall be placed perpendicular to the path of travel.

When distance "X" is greater than 5', truncated dome detectable warning surface shall be placed parallel to the bottom of curb ramp.

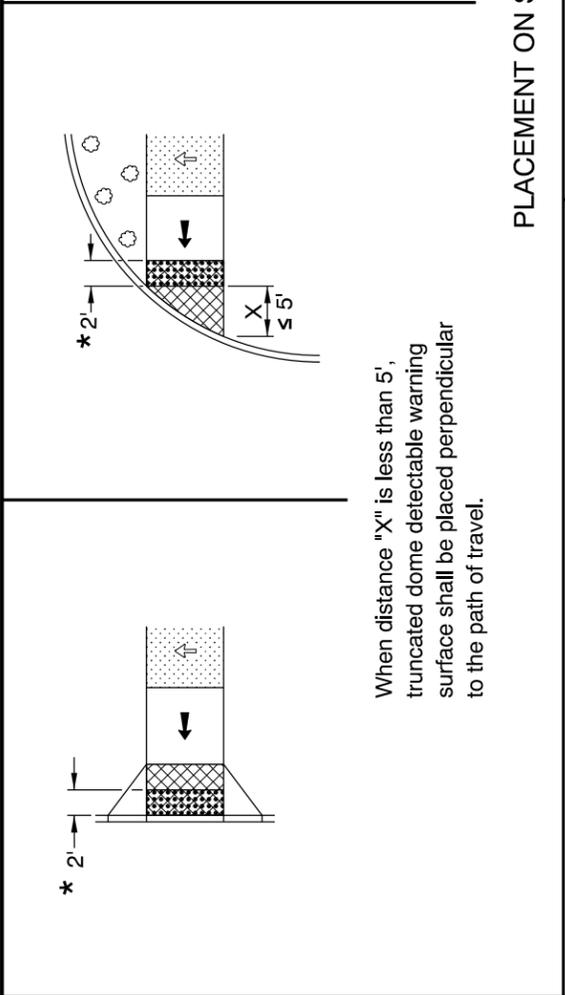


PLACEMENT ON CROSSING ISLAND

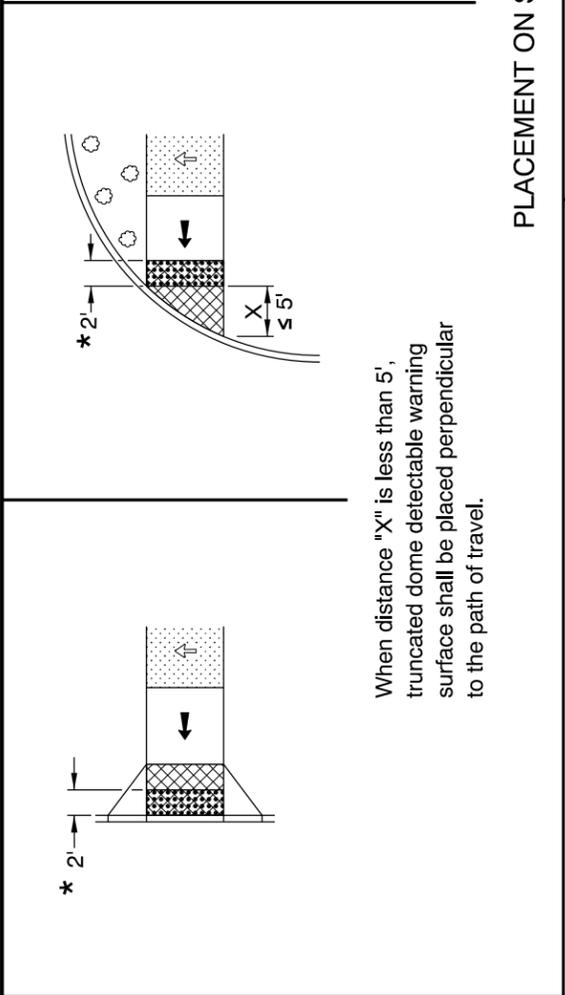
** Omit truncated dome detectable warning surface if less than 2'



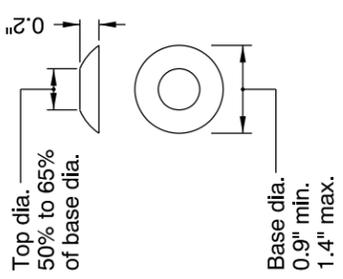
PLACEMENT ON PUBLIC TRANSPORTATION PLATFORM



PLACEMENT AT RAIL CROSSING

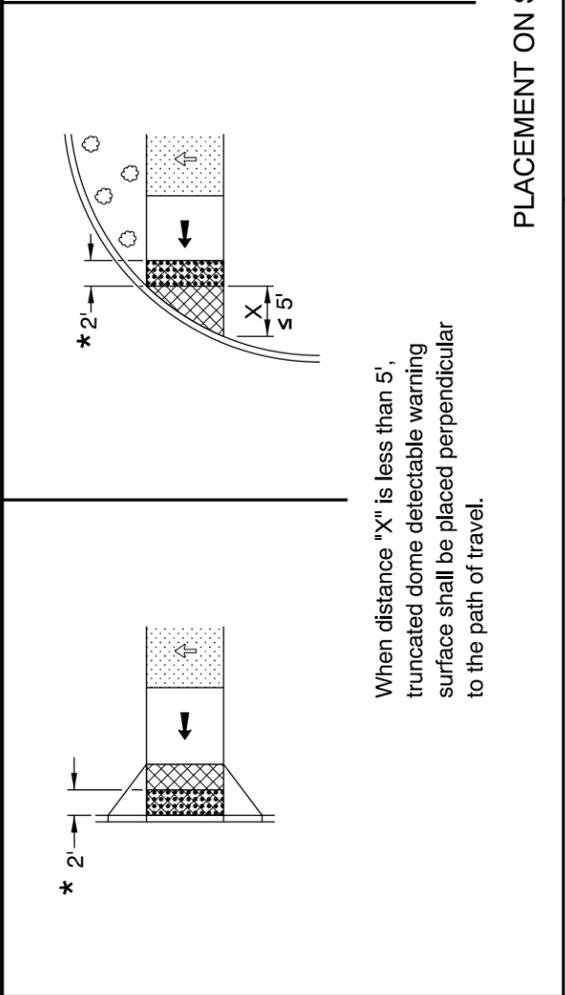
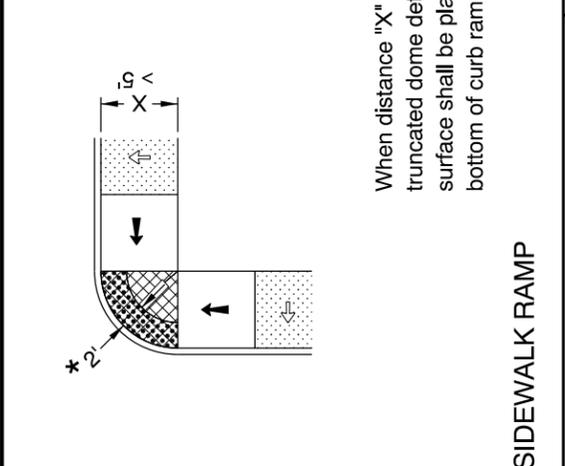
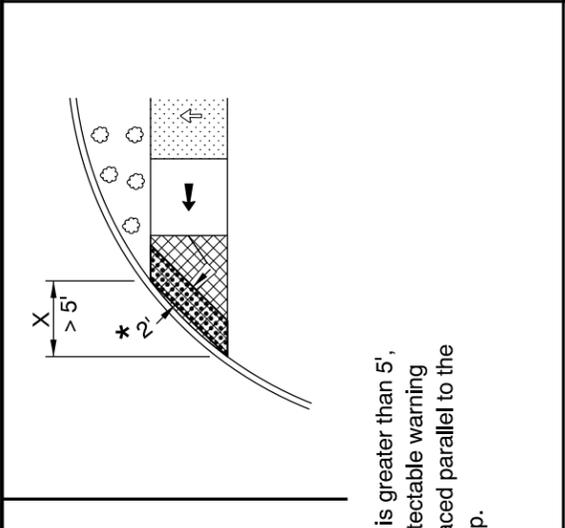
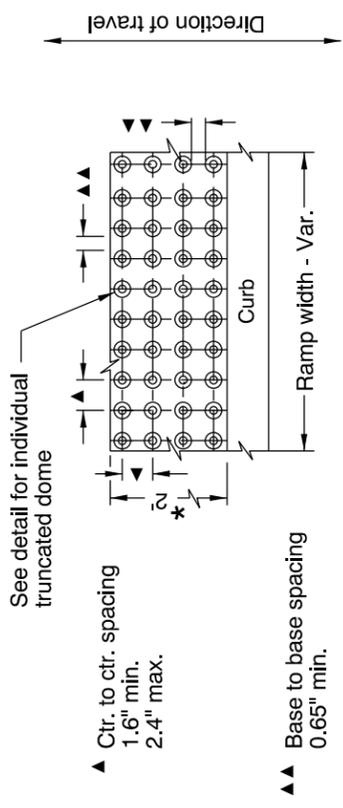


TRUNCATED DOME DETAIL



TRUNCATED DOME DETECTABLE WARNING SURFACE

TRUNCATED DOME PATTERN



GENERAL NOTES FOR ALL DETAILS:

1. Truncated dome detectable warning surface details & locations are based on United States Access Board Standards.
2. See Std. Drgs. RD700 & RD701 for curbs. See Std. Drg. RD720 for sidewalks. See Std. Drgs. TM503 & TM530 for crosswalk markings, widths, etc.
3. Place truncated dome detectable warning surface in the lower 2' adjacent to traffic of throat of ramp only, unless otherwise shown. Arrange domes using square in-line pattern only. Color to be safety yellow if no color specified in construction note. All products on an installation to be identical.
4. Truncated dome detectable warning surface shall be used where the pedestrian access route meets the street, in the following locations:
 - a) Sidewalk ramps (See Std. Drgs. RD755, RD756, & RD757).
 - b) Crossing islands (Accessible Route Islands), (See Std. Drg. RD710).
 - c) Rail crossings (See detail).
5. Where public transportation stations (rail, bus, etc.) use platform boarding, truncated dome detectable warning surface shall be placed along the full edge length of the station, when not protected by platform screens or guards.
6. Truncated dome detectable warning surface shall not be used on the following locations:
 - a) Midblock sidewalk transitions (See Std. Drg. RD756).
 - b) Standard concrete driveways (See Std. Drgs. RD725, RD730, RD735, RD740, RD745, & RD750).
 - c) Parking lots.
7. Only use details allowed by jurisdiction.

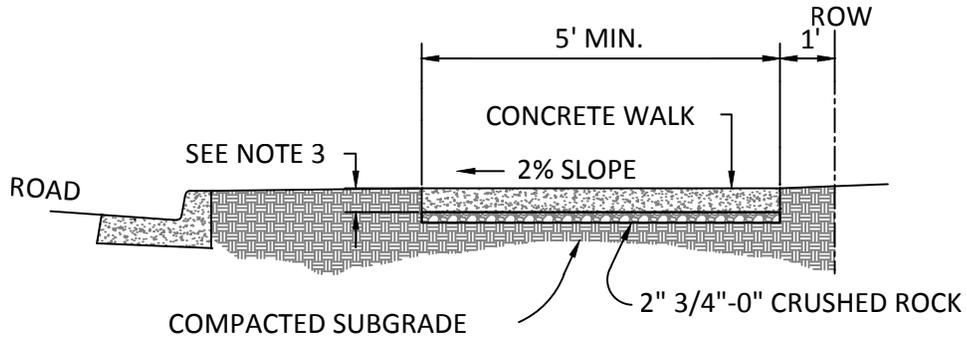
OREGON STANDARD DRAWINGS
TRUNCATED DOME
DETECTABLE WARNING SURFACE
DETAILS & LOCATIONS
 2008

DATE	REVISION DESCRIPTION
12-2009	REVISED DIMENSIONS AND NOTE
07-2010	REVISED DETAILS & NOTES
07-2012	REVISED NOTE
01-2013	REVISED NOTE
07-2013	REVISED NOTES

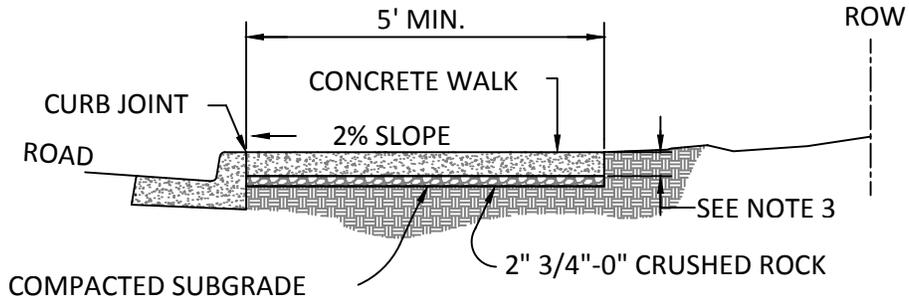
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

BASELINE REPORT DATE: 08-JUL-2013
 CALC. BOOK NO.: N/A



SIDEWALK LOCATED AT PROPERTY LINE



SIDEWALK LOCATED AT CURB

NOTES:

1. CONCRETE SHALL BE 3000 P.S.I. AT 28 DAYS. BATCH MIX TICKETS SHALL BE MADE AVAILABLE AT INSPECTOR'S REQUEST.
2. PANELS SHALL BE 5 FEET LONG.
3. SIDEWALK THICKNESS SHALL BE A MINIMUM OF 5 1/2" THROUGH DRIVEWAY SECTIONS AND 3 1/2" ELSEWHERE.
4. WEEPHOLES IN CURBS SHALL BE EXTENDED TO THE BACK OF SIDEWALK WITH 3" I.D. SCH. 40 PVC AND COUPLER AT 2%± SLOPE.
5. A MINIMUM 24" WIDE SECTION OF TRUNCATED DOMES SHALL BE INSTALLED ON BOTH SIDES OF SIGNALIZED COMMERCIAL OR INDUSTRIAL DRIVEWAYS, OR AS DETERMINED BY THE CITY ENGINEER.



PHONE: 503.681.6146 | FAX: 503.681.6245
 150 E MAIN ST | 4TH FLOOR | HILLSBORO, OR 97123-4089

STANDARD SIDEWALK

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

SHEET NO.
PW-080
 PROJECT NO.

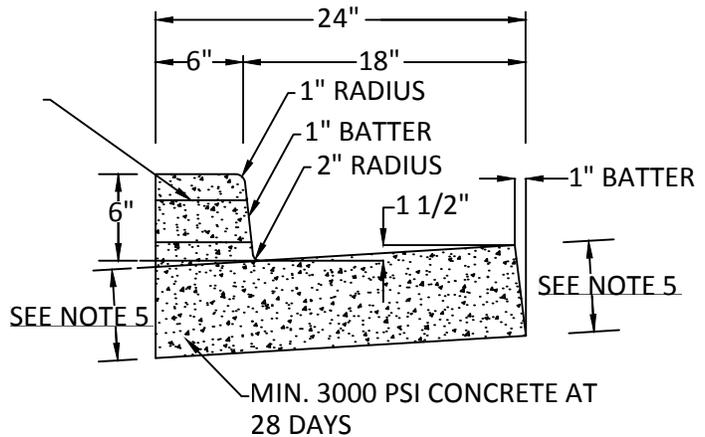
FILE NAME: PW-080.DWG

PLOT DATE: 5/29/2013 4:56 PM

CURB AND GUTTER

NTS

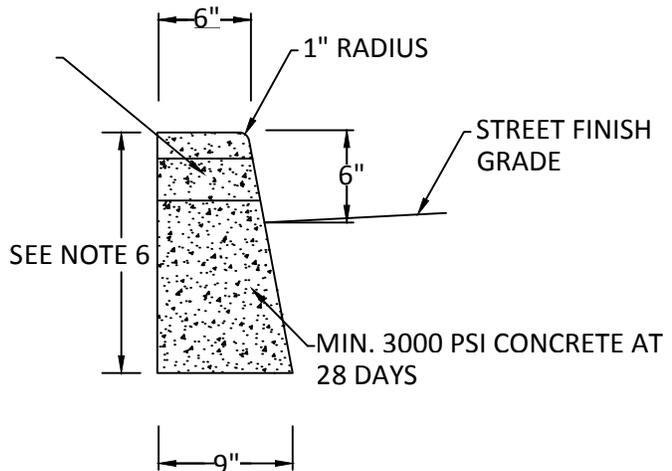
WEEPHOLE - 3" I.D. SCH 40 PVC OR EQUAL WITH COUPLING BEHIND BACK OF CURB



STANDARD CURB

NTS

WEEPHOLE - 3" I.D. SCH 40 PVC OR EQUAL WITH COUPLING BEHIND BACK OF CURB



NOTES

1. EXPANSION JOINTS SHALL BE PROVIDED AT EACH POINT OF TANGENCY OF THE CURB MATERIAL, PRE-MOLDED, NON-EXTRUDING, WITH A MIN. THICKNESS OF 1/2".
2. CONTRACTION JOINTS SHALL BE A MINIMUM OF 2" DEEP, SPACED A MAXIMUM OF 15 FT. APART, AND MATCH PCC STREET SLAB JOINTS.
3. BASE ROCK 1-1/2" MINUS, COMPACTED TO 95% AASHTO T-180 - SHALL BE TO SUBGRADE OF STREET STRUCTURE OR 4" IN DEPTH, WHICHEVER IS GREATER, EXTENDING 1' BEHIND CURB.
4. SLOPE OF GUTTER SHALL NOT EXCEED 5% AT WHEELCHAIR ACCESS RAMP.
5. GUTTER THICKNESS SHALL MATCH THICKNESS OF AC OR PCC/AC PAVEMENT THICKNESS, WHERE THICKNESS EXCEEDS SIX INCHES.
6. THE HEIGHT OF THE STANDARD CURB SHALL MATCH THE AC OR PCC/AC PAVEMENT THICKNESS PLUS THE CURB EXPOSURE WHEN GREATER THAN 16".



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150 E MAIN ST | 4TH FLOOR | HILLSBORO, OR 97123-4089

STANDARD CURB

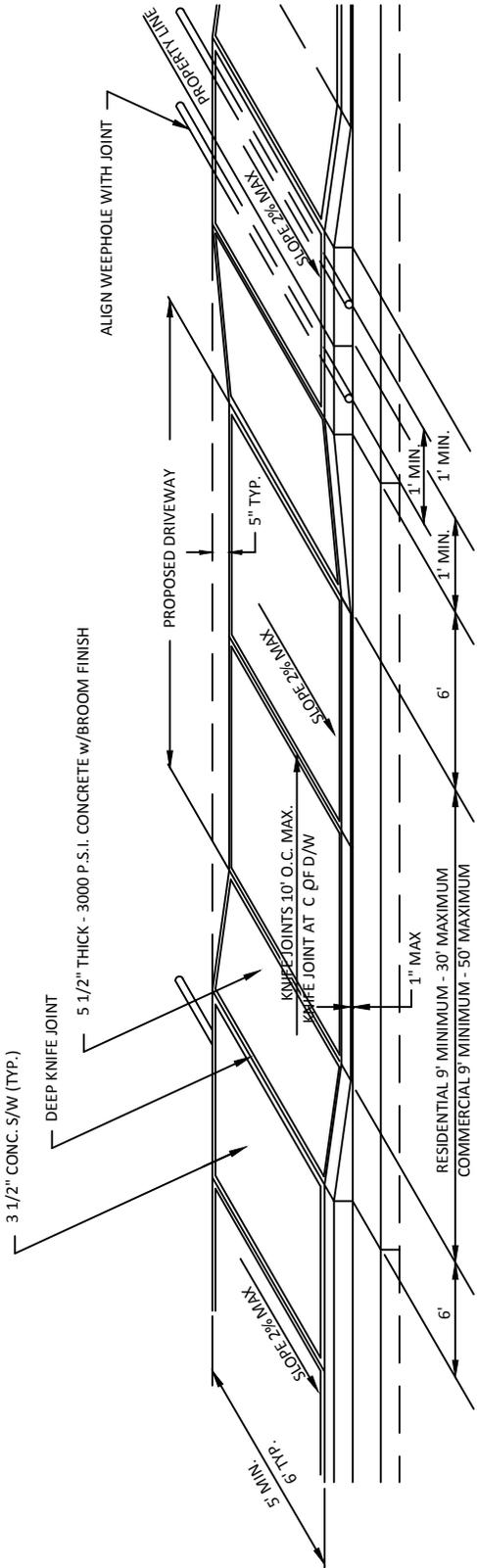
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

SHEET NO.
PW-070

PROJECT NO.

FILE NAME: PW-070.DWG

PLOT DATE: 6/4/2013 4:54 PM



NOTES:

1. USE CONCRETE MIX WITH MINIMUM 3000PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. COMPACT SUBGRADE UNTIL FIRM AND UNYIELDING AND INSTALL A MINIMUM OF 2" OF COMPACTED 3/4"-0 AGGREGATE BASE ROCK.
3. SAWCUT ALL CONCRETE AND ASPHALT. REMOVE ENTIRE CURB OR CURB AND GUTTER FOR NEW DRIVEWAYS ON EXISTING STREETS.
4. INSTALL 24" TRUNCATED DOME PANEL ACROSS ENTIRE WIDTH OF SIDEWALK ON BOTH SIDES OF COMMERCIAL DRIVEWAYS. SEE DWG. RD-759 FOR ADDITIONAL TRUNCATED DOME REQUIREMENTS.
5. DRIVEWAY SHALL COMPLY WITH ALL ADA REQUIREMENTS.
6. ALIGN KNIFE JOINT OVER WEEPHOLE.
7. COMMERCIAL DRIVEWAYS MAY REQUIRE ADDITIONAL REINFORCEMENT.
8. SEE SIDEWALK DETAIL FOR FINISHING REQUIREMENTS.



PHONE: 503.681.6146 | FAX: 503.681.6245
 150 E MAIN ST | 4TH FLOOR | HILLSBORO, OR 97123-4089

STANDARD DRIVEWAY
 SIDEWALK LOCATED AT CURB

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 0 1"
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

SHEET NO.
 PW-030
 PROJECT NO.

FILE NAME: PW-030.DWG

PLOT DATE: 4/19/2013 8:14 AM

City of Hillsboro
2015 Pavement Management Program
Contract #20552222-6102

Schedule "A": Crack Seals



Engineering Division
150 E Main Street, Fourth Floor
Hillsboro, OR 97123
Phone: 503-681-6416

Schedule "A" Crack Seal

Overview

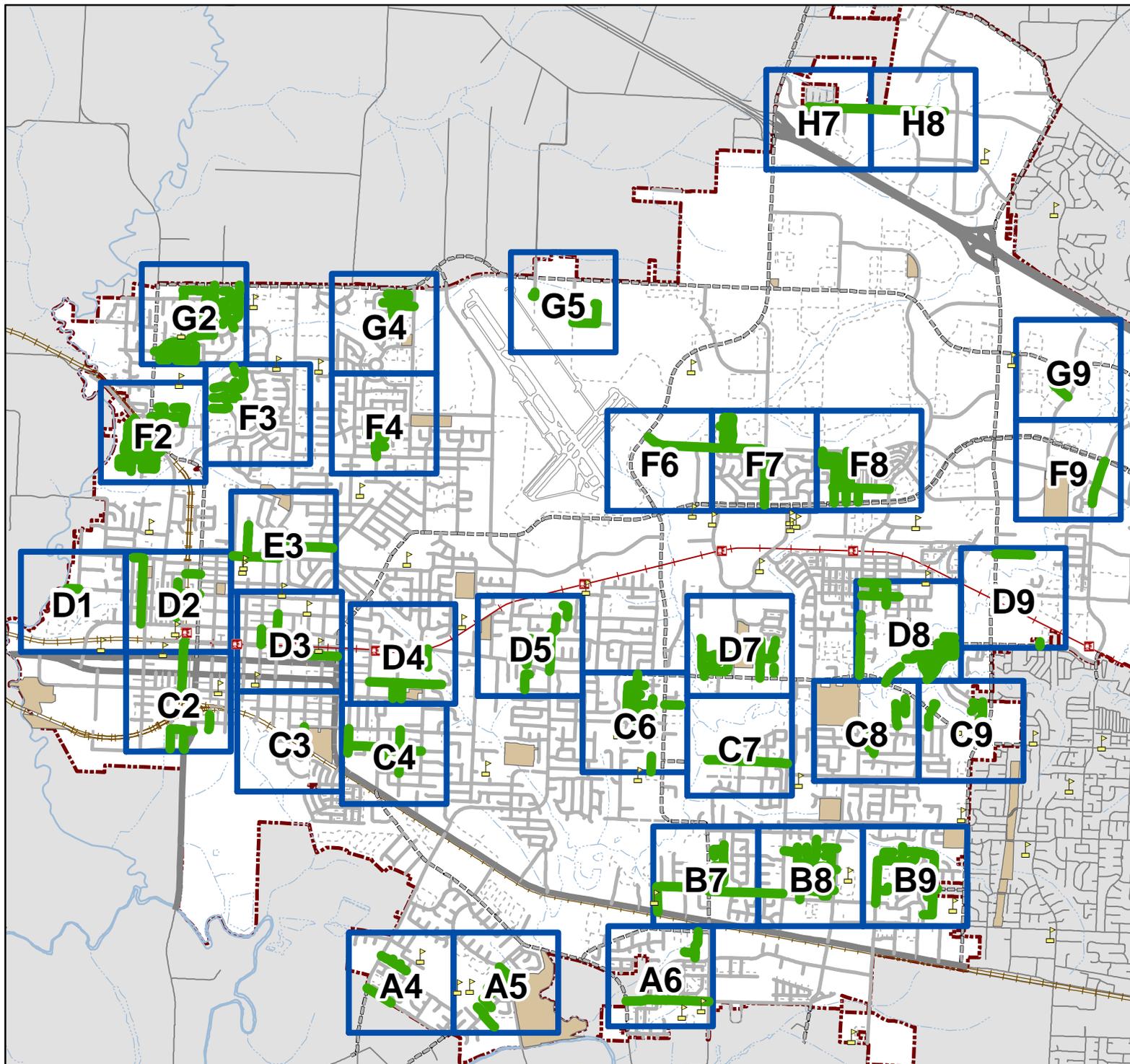
Legend

-  Schools
-  Light Rail Station
-  Crack Seal
-  Template Boundary
-  Hillsboro Parks
-  City Roadway
-  City Alley
-  Unimproved City ROW
-  Private
-  County Road
-  State Highway
-  Light Rail
-  Heavy Rail
-  Stream
-  City Limits



1 inch = 4,000 feet

DISCLAIMER
This map was derived from several databases. The City cannot accept responsibility for any errors. Therefore, there are no warranties for this product. However, notification of errors would be appreciated.





2015 Pavement Management Program
#20552222-6102

Schedule "A" Crack Seal

A4

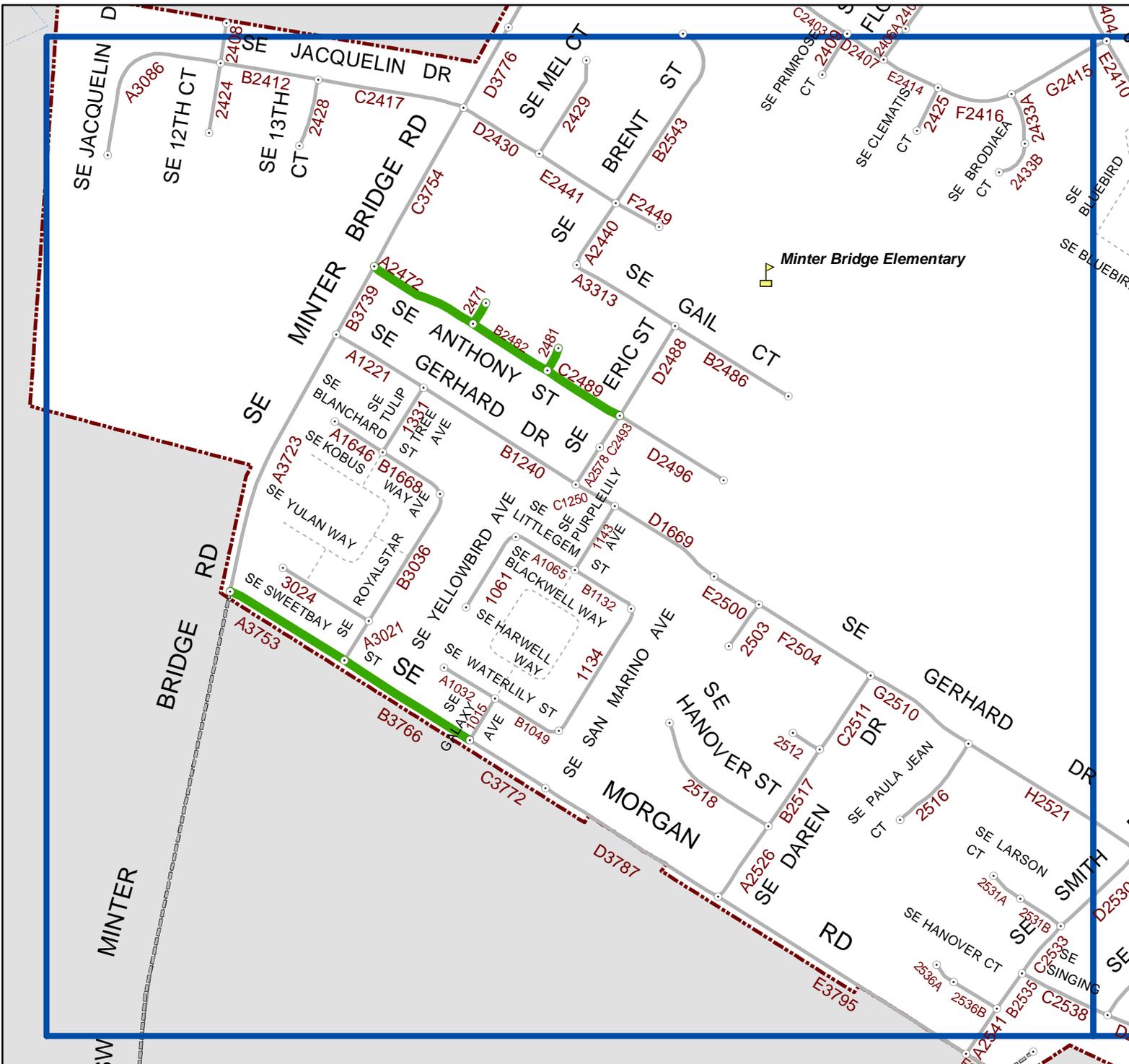
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream
- City Limits



1 inch = 400 feet

DISCLAIMER
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Template A4
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A2472	SE ANTHONY ST	E/S MINTER BRIDGE RD	C/L ANTHONY ST (SPUR W)	59	0	
B2482	SE ANTHONY ST	C/L ANTHONY ST (SPUR W)	C/L ANTHONY ST (SPUR E)	127	0	
C2489	SE ANTHONY ST	C/L ANTHONY ST (SPUR E)	31' (E) C/L ERIC ST	128	0	
2481	SE ANTHONY ST (SPUR E)	N/S ANTHONY ST	CUL DE SAC	15	0	
2471	SE ANTHONY ST (SPUR W)	N/S ANTHONY ST	CUL DE SAC	24	0	
A3753	SE MORGAN RD	E/S MINTER BRIDGE RD	C/L ROYALSTAR AVE	799	0	
B3766	SE MORGAN RD	C/L ROYALSTAR AVE	W/S GALAXY AVE	618	0	
TEMPLATE TOTALS				1770	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template A5
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A2514	SE BRADLEY CT	W/S SINGING WOODS DR	PAVEMENT CHANGE	186	0	
B2551	SE BRADLEY CT	PAVEMENT CHANGE	CUL DE SAC	25	0	
A2523	SE CONRAD CT	W/S SINGING WOODS DR	PAVEMENT CHANGE	67	0	
2501	SE CREEK CT	E/S ROOD BRIDGE RD	CUL DE SAC	70	0	
2534	SE PIPERS DR	SE/S SINGING WOODS	DEAD END (S)	428	0	DEVELOPMENT AT SOUTH END
B2552	SE RADCLIFF CT	PAVEMENT CHANGE	CUL DE SAC	190	0	
D2502	SE ROOD BRIDGE RD	N/S CREEK CT	C/L ROOD BRIDGE SPUR	48	0	
F2498A	SE ROOD BRIDGE RD	C/L ROOD BRIDGE (SPUR)	BEGIN C/G (S)	153	0	
F2498B	SE ROOD BRIDGE RD	BEGIN C/G (S)	END C/G (N)	300	0	
G2554	SE ROOD BRIDGE RD	BEG C/G (N)	E/S ROOD BRIDGE (SCHL ENTRANCE)	219	0	
E2497	SE ROOD BRIDGE RD (SPUR)	E/S ROOD BRIDGE RD	CUL DE SAC	39	0	
TEMPLATE TOTALS				1725	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template A6
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A2462	SE 49TH AVE	C/L STEWART CT	DEAD END (S)	43	0	
B2454	SE 49TH AVE	C/L STEWART CT	S/S WITCH HAZEL RD	274	0	
A3565	SE DAVIS RD	E/S RIVER RD	BEGIN MEDIAN	1127	0	
B3592	SE DAVIS RD	BEGIN MEDIAN	END MEDIAN	446	0	
C3595	SE DAVIS RD	END MEDIAN	C/L ALEXANDER ST	368	0	
D3602	SE DAVIS RD	C/L ALEXANDER ST	C/L COTTONWOOD AVE	825	0	
E3690	SE DAVIS RD	C/L COTTONWOOD AVE	C/L IRONWOOD AVE	867	0	
F3699	SE DAVIS RD	C/L IRONWOOD AVE	W/S BROOKWOOD AVE	1870	0	
2455	SE STEWART CT	W/S 49TH AVE	CUL DE SAC (W)	332	0	
TEMPLATE TOTALS				6152	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "A" Crack Seal B7

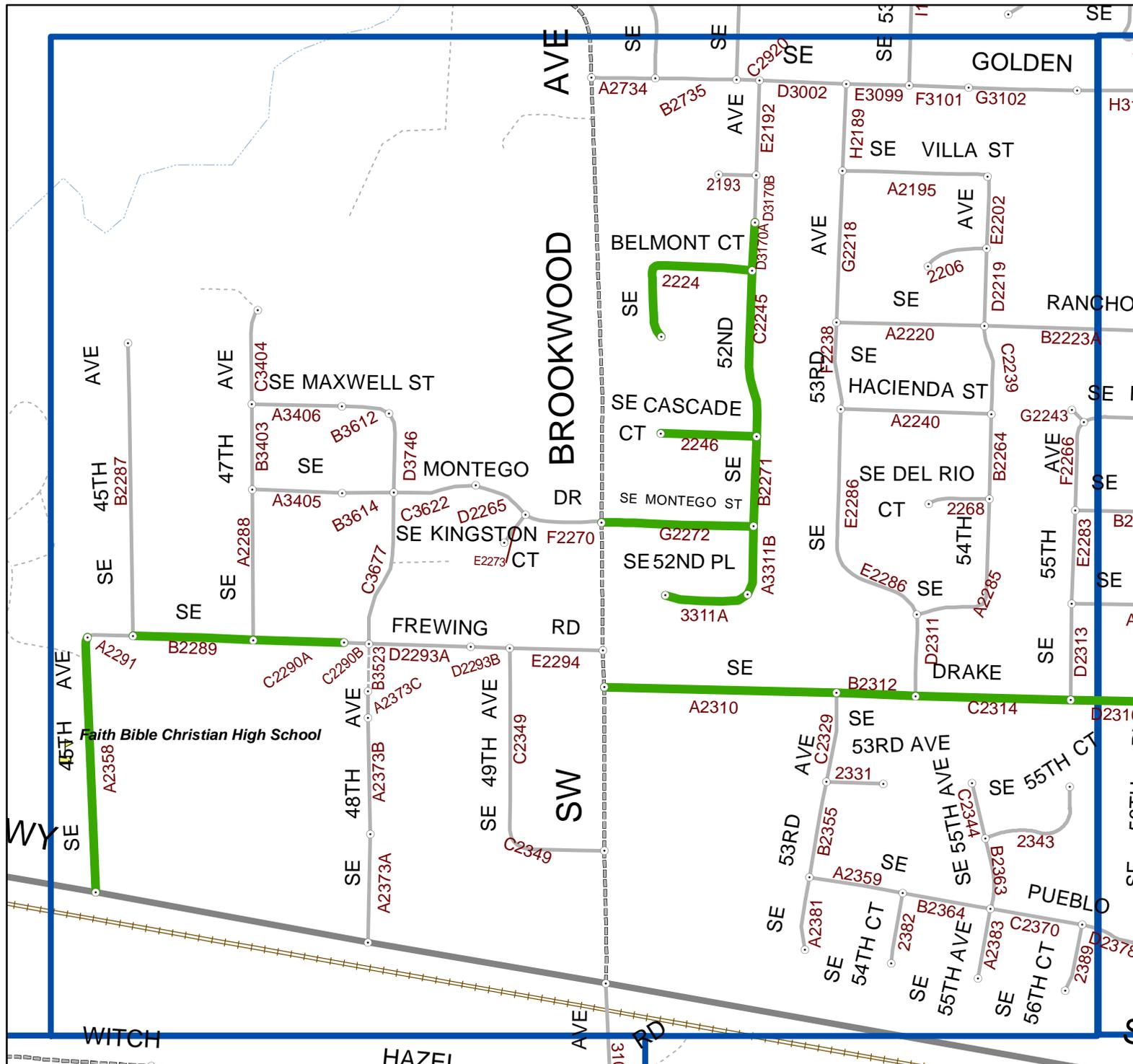
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream
- City Limits



1 inch = 400 feet

DISCLAIMER
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Template B7
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A2358	SE 45TH AVE	N/S TV HWY	S/S FREWING RD	2041	0	
A3311B	SE 52ND AVE	52ND PL	C/L MONTEGO	66	0	
B2271	SE 52ND AVE	C/L MONTEGO ST	C/L CASCADE CT	256	0	
C2245	SE 52ND AVE	C/L CASCADE CT	C/L BELMONT CT	422	0	
D3170A	SE 52ND AVE	C/L BELMONT CT	END GUTTER	150	0	
3311A	SE 52ND PL	CDS	52ND AVE	464	0	
2224	SE BELMONT CT	W/S 52ND AVE	CDS (S)	863	0	
2246	SE CASCADE CT	W/S 52ND AVE	CDS (W)	369	0	
A2310	SE DRAKE RD	E/S BROOKWOOD AVE	C/L 53RD AVE (W INT.)	1518	0	
B2312	SE DRAKE RD	C/L 53RD AVE (W. INT)	C/L 53RD AVE (E. INT)	519	0	
C2314	SE DRAKE RD	C/L 53RD AVE (E INT.)	C/L 55TH AVE	1055	0	
B2289	SE FREWING RD	C/L 45TH AVE (E. INT)	C/L 47TH AVE	86	0	
C2290A	SE FREWING RD	C/L 47TH AVE	10' (W) BEG C/G (N)	130	0	
G2272	SE MONTEGO ST	E/S BROOKWOOD AVE	W/S 52ND AVE	355	0	
TEMPLATE TOTALS				8294	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template B8
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A2248	SE 60TH AVE	E/S 61ST DR	42' (N) C/L HACIENDA ST	840	0	
C2234	SE 60TH AVE	42' N C/L HACIENDA ST	C/L BLOSSOM ST	122	0	
D2212	SE 60TH AVE	C/L BLOSSOM ST	CDS	35	0	
2230	SE 61ST CT	W/S 61ST DR	CDS (N)	480	0	
A2323	SE 61ST DR	N/S DRAKE ST	C/L SIERRA ST	671	0	
B2303	SE 61ST DR	C/L SIERRA ST	C/L HACIENDA ST	853	0	
C2241	SE 61ST DR	C/L HACIENDA ST	C/L 61ST CT	152	0	
D2229	SE 61ST DR	C/L 61ST CT	PVMT CHNG	243	0	
E3353	SE 61ST DR	PVMT CHNG	S/S GOLDEN ST	43	0	
A2307	SE 61ST PL	N/S SIERRA ST	N/S GADROON ST	495	0	
A3346	SE 62ND AVE	N/S GADROON ST	PVMT CHNG	80	0	
B2260	SE 62ND AVE	PVMT CHNG	S/S HACIENDA ST	102	0	
AA3342	SE 63RD AVE	N/S PEGASUS	C/L GADROON	89	0	
AB3343	SE 63RD AVE	C/L GADROON ST	PVMT CHNG (S) P/L #2017	146	0	
AC2263	SE 63RD AVE	PAVEMENT CHANGE #2017	C/L HACIENDA	144	0	
B2249	SE 63RD AVE	N/S HACIENDA ST	C/L WICKER CT	443	0	
C2221	SE 63RD AVE	C/L WICKER CT	S/S GOBOES CT	207	0	
2213	SE BLOSSOM ST	E/S IMLAY AVE	W/S 60TH AVE	237	0	
3339	SE CENTURY CT	E/S SIERRA	CDS	338	0	
D2316	SE DRAKE RD	C/L 55TH AVE	C/L 56TH PL	796	0	
E2317A	SE DRAKE RD	C/L 56TH PL	END CURBS S/S #23960	674	0	
E2317B	SE DRAKE RD	END CURBS S/S #23960	W/S IMLAY AVE	658	0	
A2279	SE GADROON ST	E/S 61ST PL	PVMT CHNG	43	0	
B3344	SE GADROON ST	PVMT CHNG	C/L 62ND AVE	60	0	
C3345	SE GADROON ST	C/L 62ND	W/S 63RD	103	0	
A2203	SE GOBOES CT	C/L 63RD AVE	CDS (W)	630	0	
B2205	SE GOBOES CT	C/L 63RD AVE	W/S CENTURY BLVD	184	0	
C2242	SE HACIENDA ST	E/S 60TH AVE	W/S 61ST DR	163	0	
D2247	SE HACIENDA ST	E/S 61ST DR	C/L 62ND AVE	355	0	
E2250	SE HACIENDA ST	C/L 62ND AVE	C/L 63RD AVE	390	0	
F2253	SE HACIENDA ST	C/L 63RD AVE	W/S CENTURY BLVD	383	0	
A3340	SE PEGASUS ST	SIERRA	C/L 63RD AVE	175	0	
B3341	SE PEGASUS ST	C/L 63RD AVE	W/S CENTURY BLVD	66	0	
B2308	SE SIERRA ST	E/S 61ST DR	W/S 61ST PL	448	0	
C2309	SE SIERRA ST	W/S 61ST PL	PVMT CHNG	178	0	
D3338	SE SIERRA ST	PVMT CHNG	PEGASUS/CENTURY CT	84	0	
2222	SE WICKER CT	W/S 63RD AVE	CDS (W)	648	0	
TEMPLATE TOTALS				11758	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template B9
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
D2335	SE 67TH AVE	N/S DRAKE ST	C/L MOSCATO CT	413	704	
E2301	SE 67TH AVE	C/L MOSCATO CT	C/L ARLINGTON LP (S. INT)	166	698	
F2276A	SE 67TH AVE	C/L ARLINGTON LP (S. INT)	C/L ARLINGTON LP (N. INT)	170	514	
G2276B	SE 67TH AVE	C/L ARLINGTON LP (N. INT)	BLAINE ST	137	464	
2228A	SE 68TH CT	N/S BLAINE ST	CDS (E)	340	0	
D3080	SE 70TH AVE	C/L STELLA CT	S/S BLAINE ST	180	0	
E2231	SE 70TH AVE	S/S BLAINE ST	C/L VILLA ST	200	0	
F2209	SE 70TH AVE	C/L VILLA ST	DEAD END (N)	39	0	
C2278	SE 70TH CT	C/L STELLA CT	CDS (S)	790	0	
2233	SE 72ND CT	S/S VILLA ST	CDS (S)	138	0	
A3331	SE 74TH AVE	MADERA ST	C/L DRAKE CT	310	0	
B2320	SE 74TH AVE	C/L DRAKE CT	C/L AUGUSTA LN	397	0	
C2298	SE 74TH AVE	C/L AUGUSTA LN	C/L HACIENDA ST	1394	0	
D3328	SE 74TH AVE	C/L HACIENDA ST	VILLA ST	746	0	
2299	SE AUGUSTA LN	E/S 74TH AVE	END GUTTER/ #7437	249	0	
A3329	SE BLAINE ST	67TH AVE	C/L 68TH CT	107	300	
B2232	SE BLAINE ST	C/L 68TH CT	W/S 70TH AVE	177	0	
2321	SE DRAKE CT	W/S 74TH AVE	CDS (W)	165	0	
2257	SE HACIENDA CT	W/S 74TH AVE	CDS (W)	707	0	
3875	SE MADERA ST	E/S 73RD AVE	74TH AVE	146	0	
2302	SE MOSCATO CT	E/S 67TH AVE	CDS (NE)	446	946	
3330	SE STELLA CT	E/S 70TH AVE	CDS (S)	734	0	
C2210	SE VILLA ST	E/S 70TH AVE	C/L 72ND CT	182	0	
D3079A	SE VILLA ST	C/L 72ND CT	W/S 73RD AVE	185	0	
D3079B	SE VILLA ST	E/S 73RD AVE	74TH AVE	595	0	
TEMPLATE TOTALS				9113	3626	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "A" Crack Seal C2

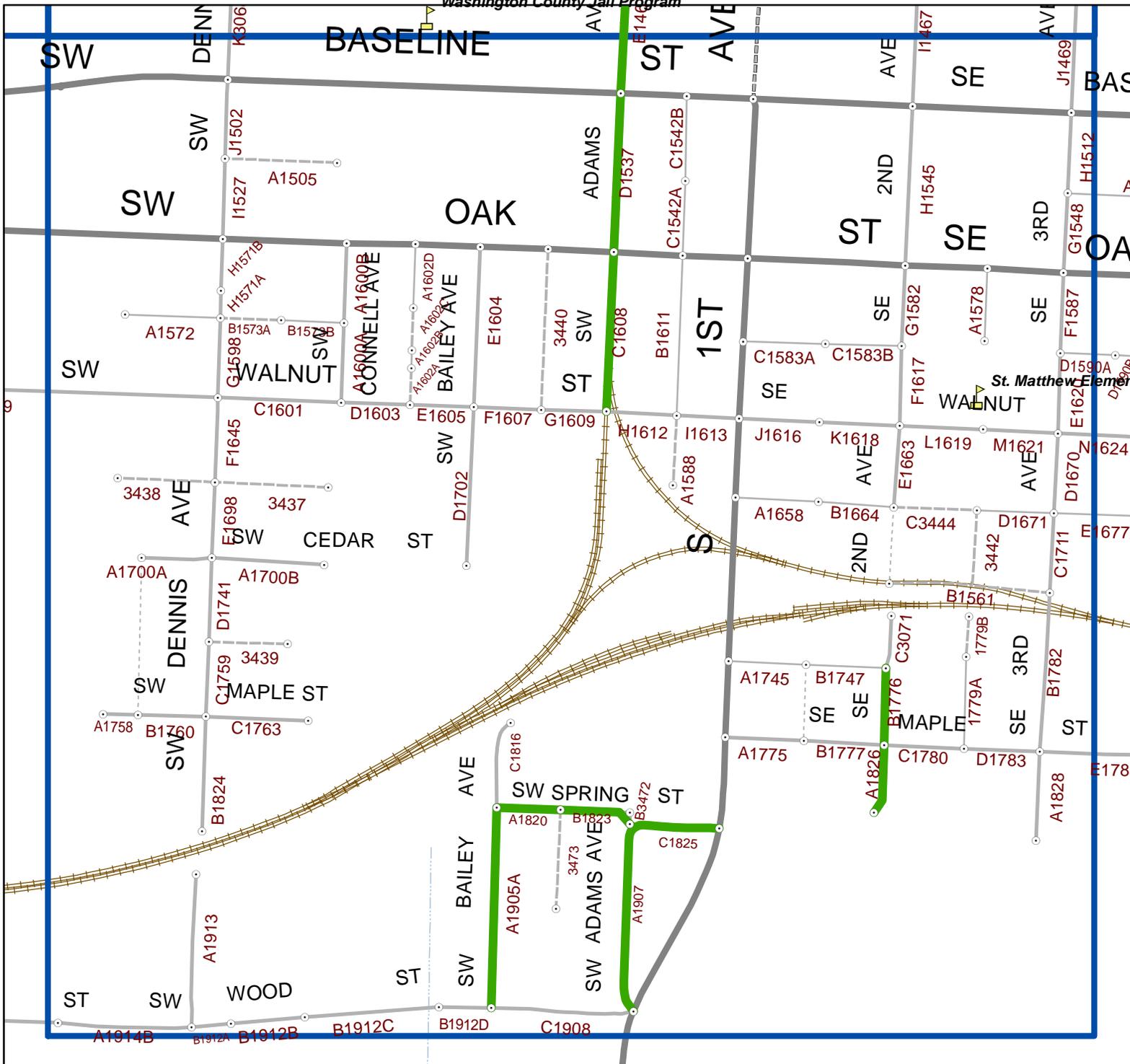
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream
- City Limits



1 inch = 400 feet

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Template C2
Schedule "A": Crack Seals
 2015 Pavment Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A1826	SE 2ND AVE	S/S MAPLE ST	END PAVE (S)	217	0	SS15
B1776	SE 2ND AVE	N/S MAPLE ST	C/L MAPLE-CEDAR ALLEY	245	0	SS15
A1907	SW ADAMS AVE	N/S WOOD ST	C/L ADAMS/SPRING (S)	38	0	
B3472	SW ADAMS AVE	C/L ADAMS/SPRING (S)	N/S SPRING (N)	80	0	
C1608	SW ADAMS AVE	N/S WALNUT ST	S/S OAK ST	149	0	MICRO-15
D1537	SW ADAMS AVE	N/S OAK ST	S/S BASELINE ST	85	0	MICRO-15
A1905A	SW BAILEY AVE	N/S WOOD ST	C/L SPRING ST	54	0	
A1820	SW SPRING ST	E/S BAILEY AVE	C/L SPRING ST (SPUR)	95	0	
B1823	SW SPRING ST	C/L SPRING ST (SPUR)	W/S ADAMS AVE	55	0	MAILBOX (N)
C1825	SW SPRING ST	E/S ADAMS AVE	W/S 1ST AVE	12	0	
TEMPLATE TOTALS				1030	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal

C3

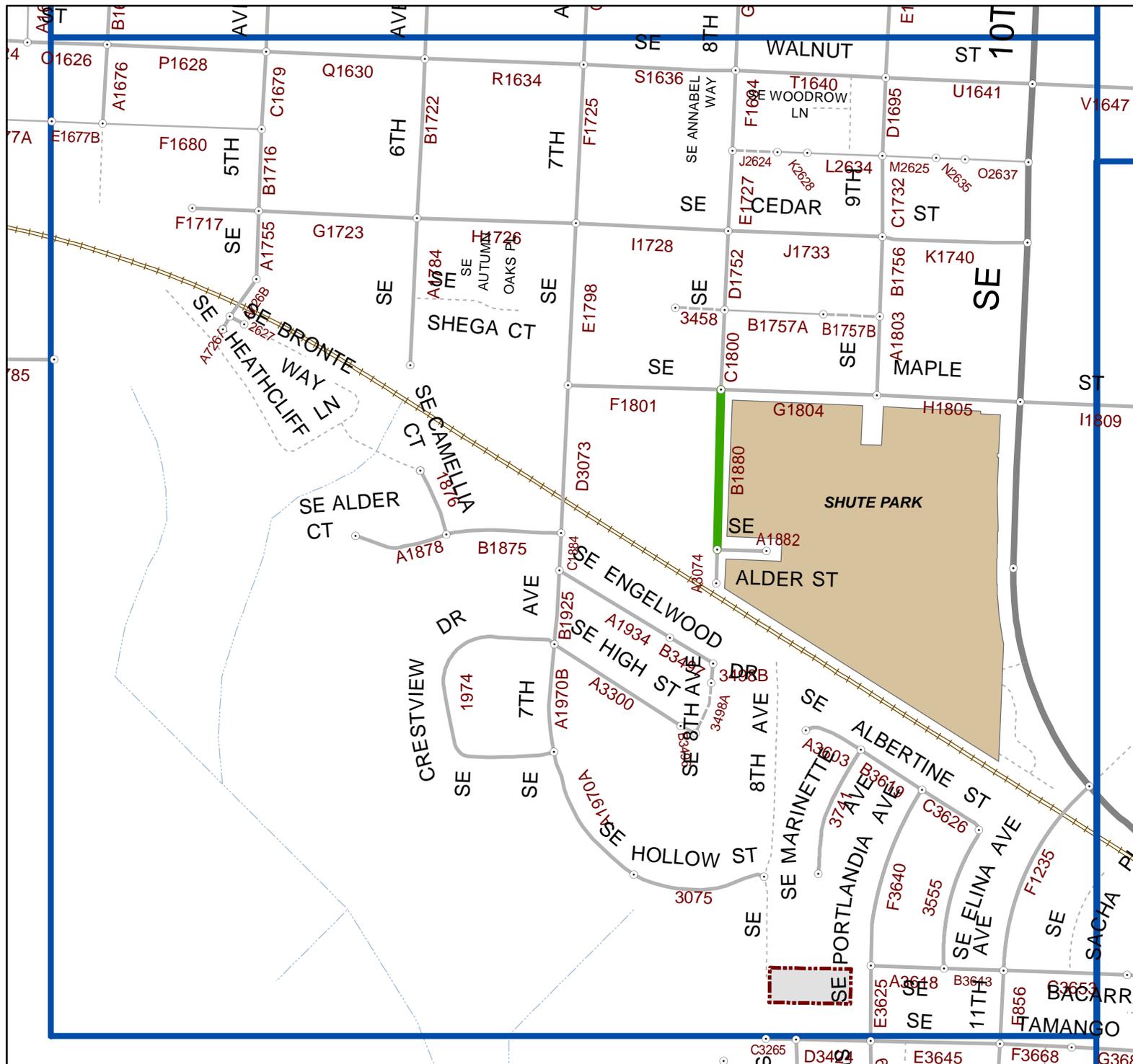
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
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Template C3
Schedule "A": Crack Seals
2015 Pavement Managemnt Program
#20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
B1880	SE 8TH AVE	C/L ALDER ST	S/S MAPLE ST	296	0	
TEMPLATE TOTALS				296	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template C4
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
I1909	SE 11TH AVE	BIRCHS APTS. PK LOT	C/L ALDER ST	28	0	
J1888	SE 11TH AVE	C/L ALDER ST	S/S MAPLE ST	28	0	
B1963	SE 15TH AVE	S/S ALDER ST	CUL DE SAC (S)	80	0	
C1994	SE 16TH AVE	N/S SPRUCE ST	S/S ALDER ST	546	0	
D1901	SE 16TH AVE	N/S ALDER ST	S/S MAPLE ST	101	0	
B1894	SE ALDER ST	E/S 11TH AVE	C/L 12TH AVE	63	0	
C1896	SE ALDER ST	C/L 12TH AVE	W/S 13TH AVE	176	0	
D1898	SE ALDER ST	E/S 13TH AVE	C/L 15TH AVE	156	0	
E1902	SE ALDER ST	C/L 15TH AVE	C/L 16TH AVE	229	0	
F1917	SE ALDER ST	C/L 16TH AVE	W/S 18TH AVE	379	0	
TEMPLATE TOTALS				1786	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template C6
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
G3290	SE 40TH AVE	S/S WALNUT ST	N/S RUSSELL ST	430	0	
B1771	SE 41ST AVE	N/S CEDAR ST	C/L WALNUT ST (W)	332	0	
C1744	SE 41ST AVE	C/L WALNUT ST	C/L OAK ST	673	0	
D1699	SE 41ST AVE	C/L OAK ST	C/L 41ST AVE (SPUR)	490	0	
E1638	SE 41ST AVE	C/L 41ST AVE (SPUR)	C/L RUSSELL ST	320	0	
F1594	SE 41ST AVE	C/L RUSSELL ST	S/S EAST MAIN ST	328	0	
1637	SE 41ST AVE (SPUR)	E/S 41ST AVE	CUL DE SAC (E)	604	0	
3347	SE 42ND PL	N/S CEDAR ST	S/S WALNUT CT	93	0	
A1988	SE 43RD AVE	N/S BENTLEY RD	DEAD END (N)	980	0	
C3755	SE 43RD AVE	OAK ST (MAILBOX)	DEAD END (N)	30	0	
753	SE LIBBY CT	E/S BROOKWOOD AVE	CUL-DE-SAC (EAST)	579	0	
N1701A	SE OAK ST	E/S 41ST AVE	43RD AVE (MAILBOX)	321	0	
A1595A	SE RUSSELL ST	E/S 40TH AVE	W/S 41ST AVE	200	0	
B1595B	SE RUSSELL ST	E/S 41ST AVE	PAVEMENT CHANGE (E)	247	0	
3348	SE WALNUT CT	W/S 42ND PL	DEAD END (E)	271	0	
ZL3352	SE WALNUT ST	W/S 40TH AVE	W/S 41ST AVE	200	0	
ZM1748	SE WALNUT ST	E/S 41ST AVE	CUL DE SAC (E)	309	0	
TEMPLATE TOTALS				6407	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template C7
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A3160A	SE PATTERSON ST	DEAD END (W)	BEGIN C/G SOUTH	148	0	
A3160B	SE PATTERSON ST	BEG C/G SOUTH	C/L 54TH AVE	1111	0	
B3161A	SE PATTERSON ST	C/L 54TH AVE	BEGIN C/G BOTH	288	0	
B3161B	SE PATTERSON ST	BEGIN C/G BOTH	END C/G (S)	305	0	
B3161C	SE PATTERSON ST	END C/G (S)	BEGIN C/G BOTH	643	0	
B3161D	SE PATTERSON ST	BEGIN C/G BOTH	C/L 56TH AVE	263	0	
C1960	SE PATTERSON ST	C/L 56TH AVE	C/L 58TH CT	630	0	
D1969	SE PATTERSON ST	C/L 58TH CT	W/S IMLAY AVE	256	0	
TEMPLATE TOTALS				3644	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template C8
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
1900	SE 65TH PL	W/S 66TH AVE	CUL DE SAC (N)	336	0	
E1928	SE 66TH AVE	N/S ARIEL ST	C/L 65TH PL	288	0	
F1899A	SE 66TH AVE	C/L 65TH PL	END C/G BOTH SIDES	288	0	
G1899B	SE 66TH AVE	END C/G BOTH SIDES	END C/G E/S	927	0	
H1899C	SE 66TH AVE	END C/G E/S	S/S BORWICK RD	146	0	
G1790	SE 68TH AVE	N/S BORWICK RD	C/L PATRICIA LN (PRVT)	342	0	
H1734	SE 68TH AVE	C/L PATRICIA LN (PRVT)	C/L BEAVERTON CREEK ST	139	0	
I1706	SE 68TH AVE	C/L BEAVERTON CREEK ST	CUL DE SAC (N)	266	0	
A1743	SE 69TH AVE	DEAD END (S)	C/L BEAVERTON CREEK ST	157	0	
B1709	SE 69TH AVE	C/L BEAVERTON CREEK ST	DEAD END (N)	220	0	
1710	SE BEAVERTON CREEK ST	E/S 68TH AVE	W/S 69TH AVE	218	0	
TEMPLATE TOTALS				3327	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal C9

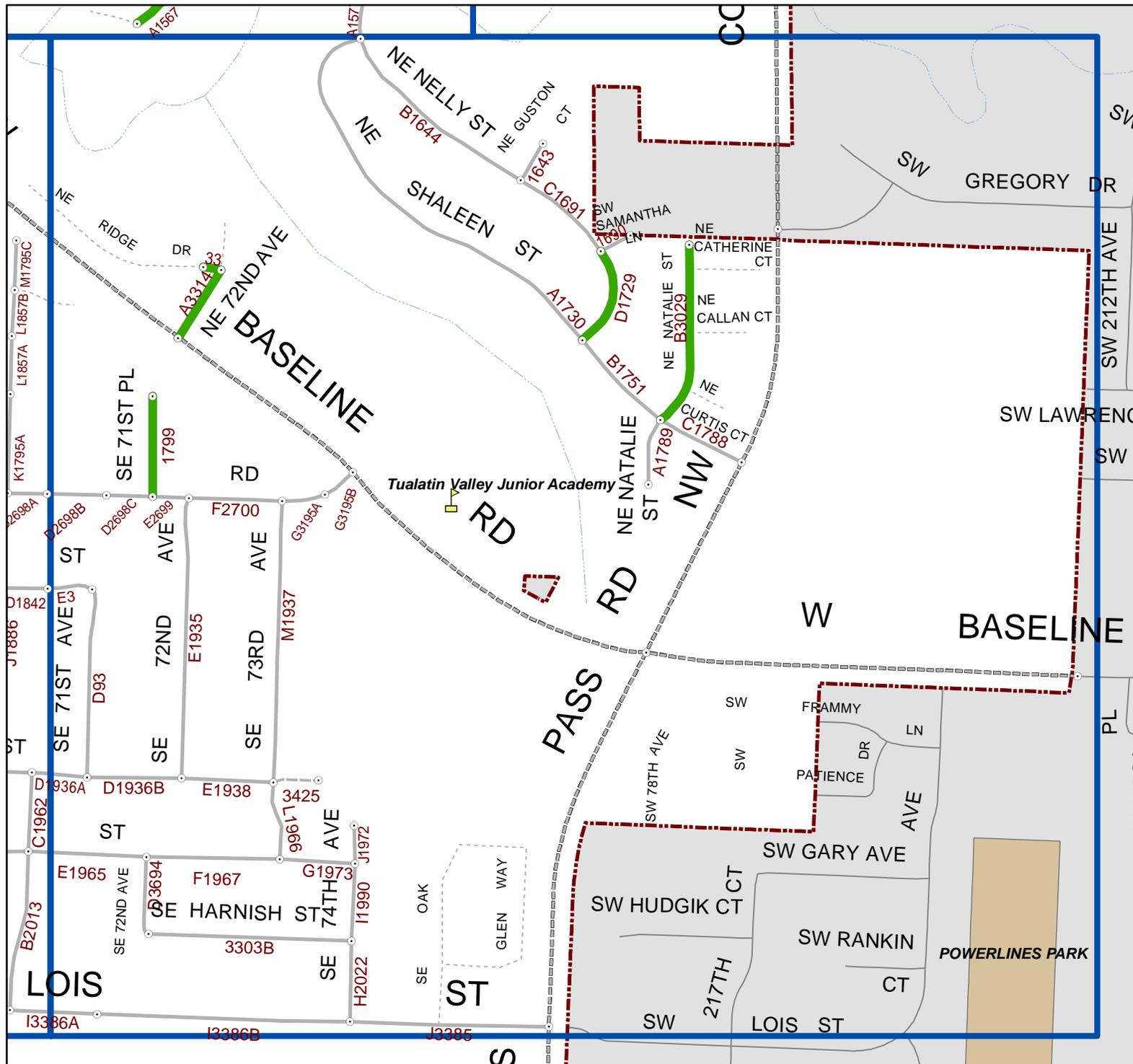
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream
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1 inch = 400 feet

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Template C9
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A3314	NE 72ND AVE	N/S BASELINE	N/S RIDGE DR (PVT)	78	0	
B3029	NE NATALIE ST	N/S SHALEEN	NORTH END	183	0	
D1729	NE NELLY ST	S/S SAMANTHA LN	N/S SHALEEN ST	470	0	
33	NE RIDGE DR	E/S 72ND AVE	W/S PCC (PVT)	39	0	
1799	SE 71ST PL	N/S BORWICK RD	CUL DE SAC (N)	1108	0	
TEMPLATE TOTALS				1878	0	

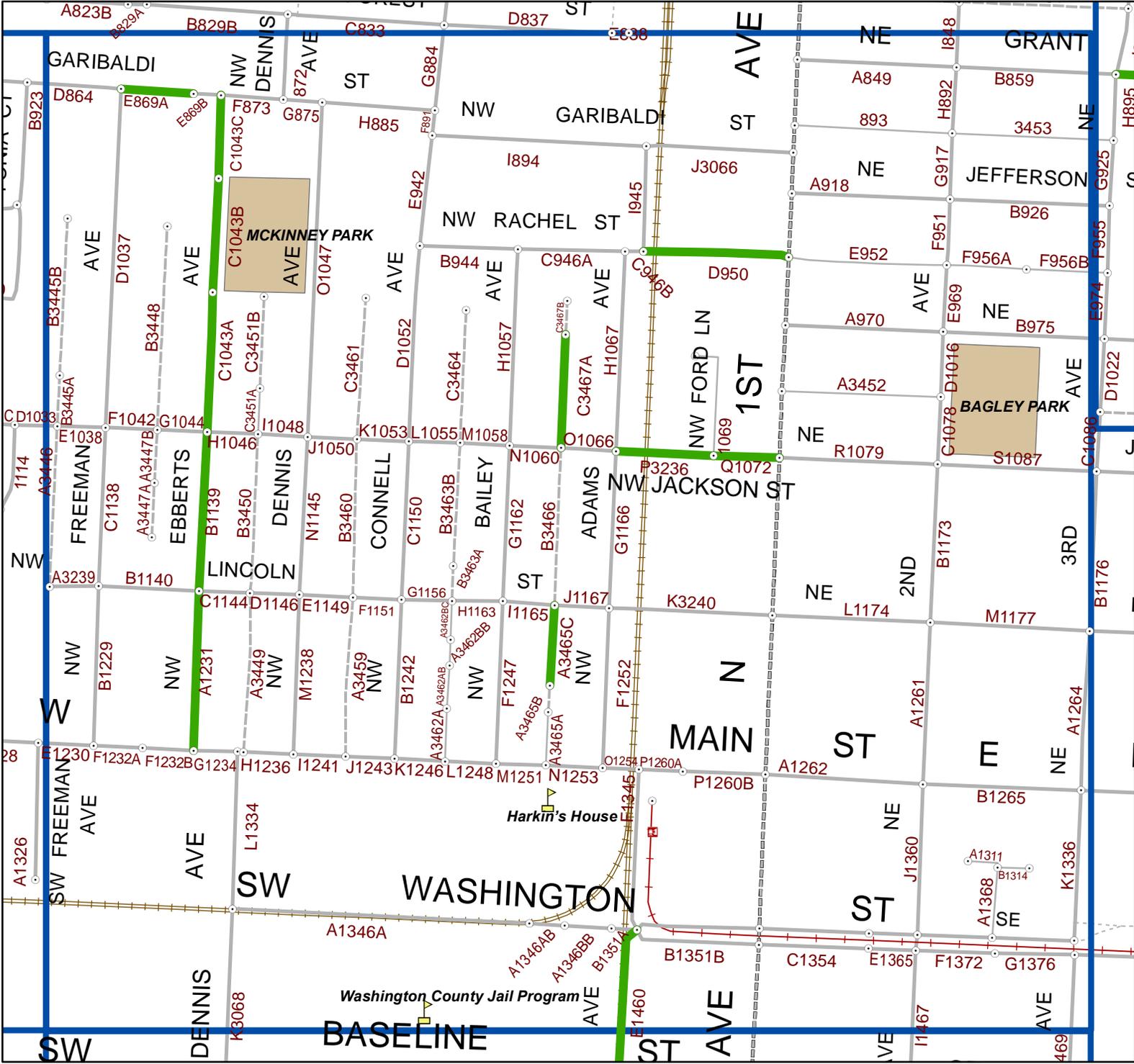
Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template D1
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A1013	NW JACKSON ST	W/S 317TH AVE	DEAD END (W)	170	0	SS15; MOSS
TEMPLATE TOTALS				170	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "A" Crack Seal D2

Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream
- City Limits



1 inch = 400 feet

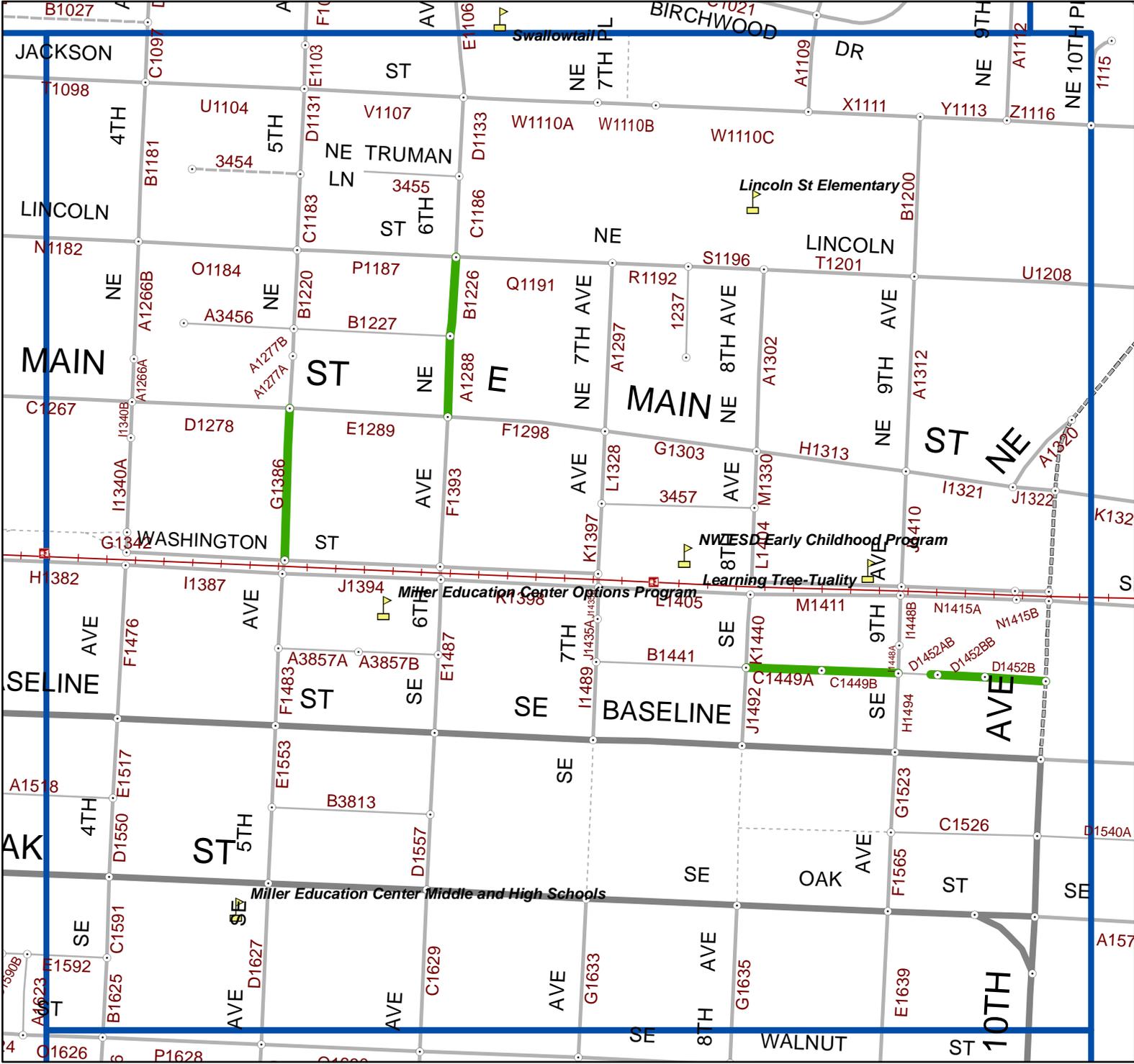
DISCLAIMER
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Template D2
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A3465C	HB ALLEY (ADAMS/BAILEY)	END GRAVEL	S/S LINCOLN	130	0	SS15
C3467A	HB ALLEY (ADAMS/BAILEY)	NW JACKSON ST	END AC	58	0	SS15
A1231	NW EBBERTS AVE	N/S WEST MAIN	S/S LINCOLN	523	0	
B1139	NW EBBERTS AVE	N/S LINCOLN	S/S JACKSON	589	0	
C1043A	NW EBBERTS AVE	N/S JACKSON	BEG OF CURB/#372	382	0	
C1043B	NW EBBERTS AVE	BEG OF CURB/#372	END OF CURB/#456	281	0	
C1043C	NW EBBERTS AVE	END OF CURB/#456	S/S GARIBALDI	72	0	
E869A	NW GARIBALDI ST	E/S FREEMAN	BEG C/G (S)	447	0	
P3236	NW JACKSON ST	W/S ADAMS AVE	C/L FORD LN	430	0	
Q1072	NW JACKSON ST	C/L FORD LN	W/S 1ST AVE	192	0	
D950	NW RACHEL ST	END PAVE (W)	W/S 1ST AVE	25	0	
E1460	SW ADAMS AVE	N/S BASELINE ST	S/S WASHINGTON ST	1647	0	MICRO-15
TEMPLATE TOTALS				4776	0	

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2015 Pavement Management Program
#20552222-6102

Schedule "A" Crack Seal D3

Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream
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Template D3
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
C1449A	HB ALLEY (BASELINE/WASHINGTON)	E/S 8TH AVE	BEG CURB BOTH	113	0	
C1449B	HB ALLEY (BASELINE/WASHINGTON)	BEG CURB BOTH	W/S 9TH AVE	122	0	
D1452B	HB ALLEY (BASELINE/WASHINGTON)	BEG CURB BOTH	W/S 10TH AVE	65	0	
D1452BB	HB ALLEY (BASELINE/WASHINGTON)	END CURB BOTH	BEG CURB BOTH	18	0	
A1288	NE 6TH AVE	N/S E MAIN ST	C/L MAIN-LINCOLN ALY	140	0	MICRO-15
B1226	NE 6TH AVE	C/L MAIN-LINCOLN ALY	S/S LINCOLN ST	55	0	MICRO-15
G1386	SE 5TH AVE	N/S WASHINGTON ST	S/S E MAIN ST	1714	0	
TEMPLATE TOTALS				2227	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "A" Crack Seal D4

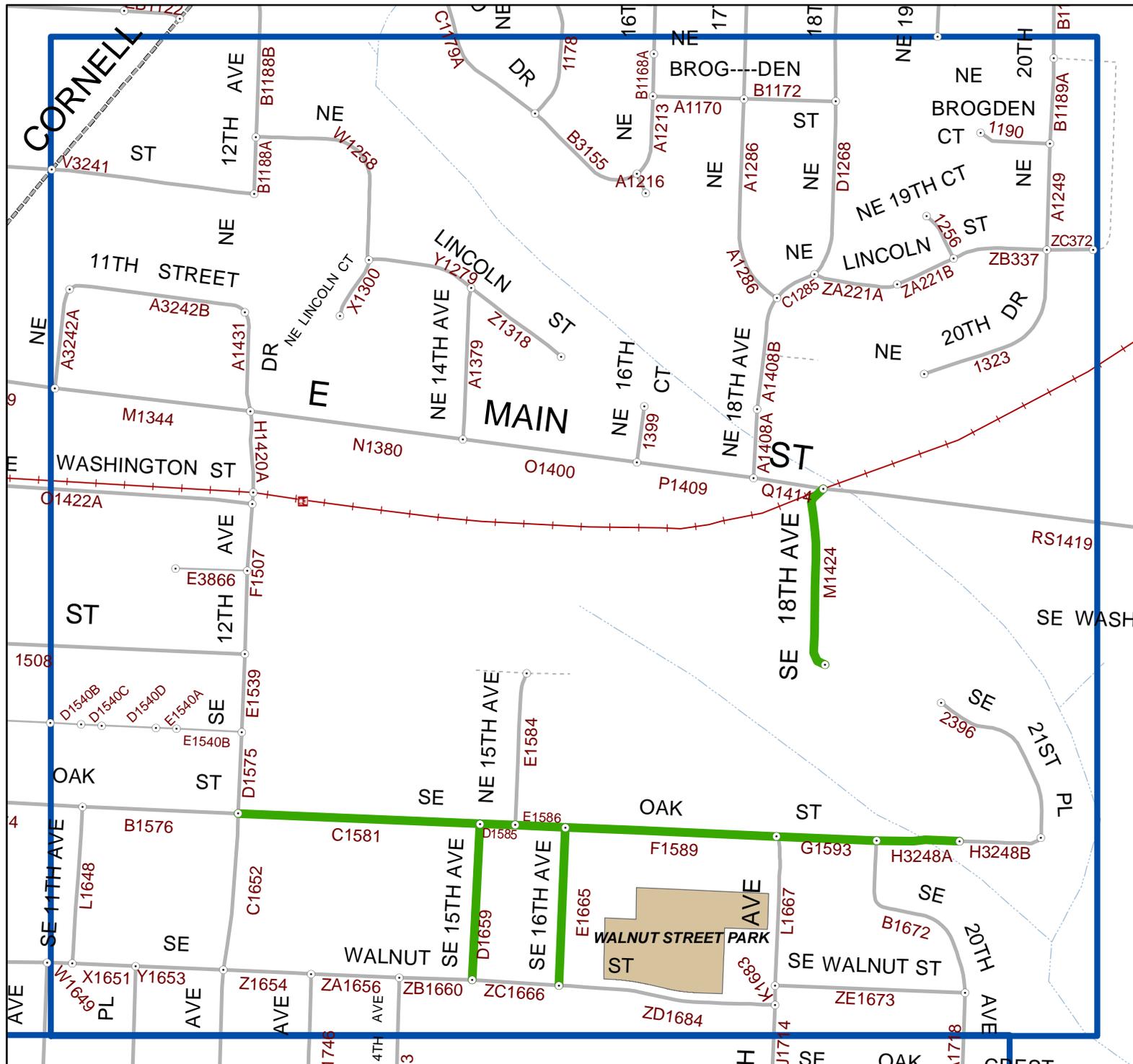
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
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Template D4
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
D1659	SE 15TH AVE	N/S WALNUT ST	S/S OAK ST	110	0	
E1665	SE 16TH AVE	N/S WALNUT ST	S/S OAK ST	238	0	
M1424	SE 18TH AVE	END PVMT (S)	S/S MAIN	43	0	
C1581	SE OAK ST	E/S 12TH ST	C/L 15TH AVE (W) INT	440	0	
D1585	SE OAK ST	C/L 15TH AVE (W) INT	C/L 15TH AVE (E) INT	34	0	
E1586	SE OAK ST	C/L 15TH AVE (E) INT	C/L 16TH AVE	68	0	
F1589	SE OAK ST	C/L 16TH AVE	W/S 18TH AVE	57	0	
G1593	SE OAK ST	E/S 18TH AVE	C/L 20TH AVE	256	0	
H3248A	SE OAK ST	C/L 20TH AVE	PVMT CHNG/CULVERT XING	104	0	
TEMPLATE TOTALS				1350	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal

D5

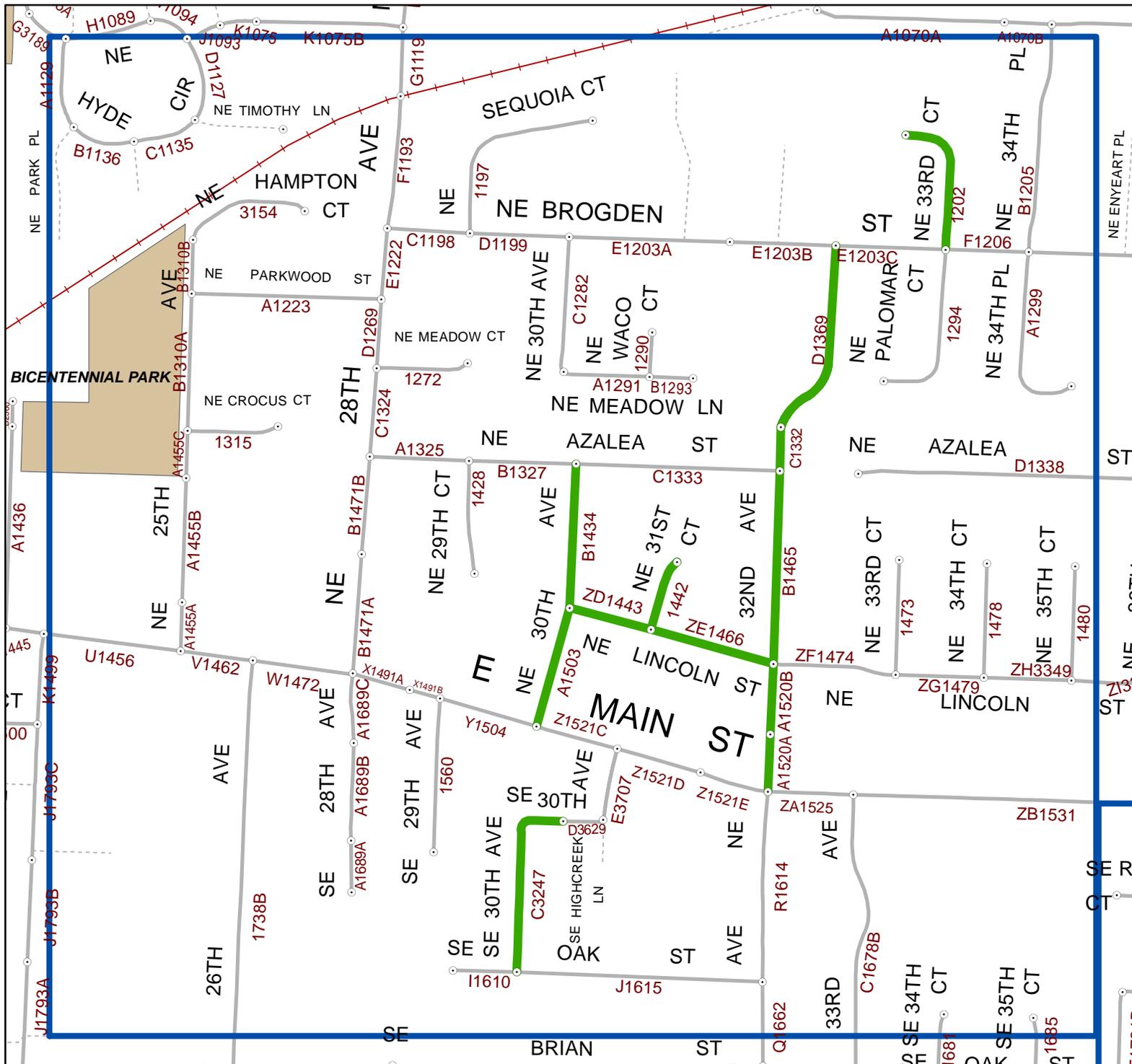
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
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Template D5
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A1503	NE 30TH AVE	N/S E MAIN ST	C/L LINCOLN ST	495	0	
B1434	NE 30TH AVE	C/L LINCOLN ST	S/S AZALEA ST	375	0	
1442	NE 31ST CT	N/S LINCOLN ST	CUL DE SAC (N)	155	0	
A1520A	NE 32ND AVE	N/S E MAIN ST	END GUTTER/#117	230	0	
A1520B	NE 32ND AVE	END GUTTER/#117	C/L LINCOLN ST	897	0	
B1465	NE 32ND AVE	C/L LINCOLN ST	C/L AZALEA ST	1914	0	
C1332	NE 32ND AVE	C/L AZALEA ST	PVMT CHNG	272	0	
D1369	NE 32ND AVE	PVMT CHNG	S/S BROGDEN ST	506	0	
1202	NE 33RD CT	N/S BROGDEN ST	CUL DE SAC	177	0	SS15
ZD1443	NE LINCOLN ST	E/S 30TH AVE	C/L 31ST CT	254	0	
ZE1466	NE LINCOLN ST	C/L 31ST CT	W/S 32ND AVE	744	0	
C3247	SE 30TH AVE	S/S OAK ST	PAVEMENT CHANGE	1430	0	
TEMPLATE TOTALS				7449	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal

D7

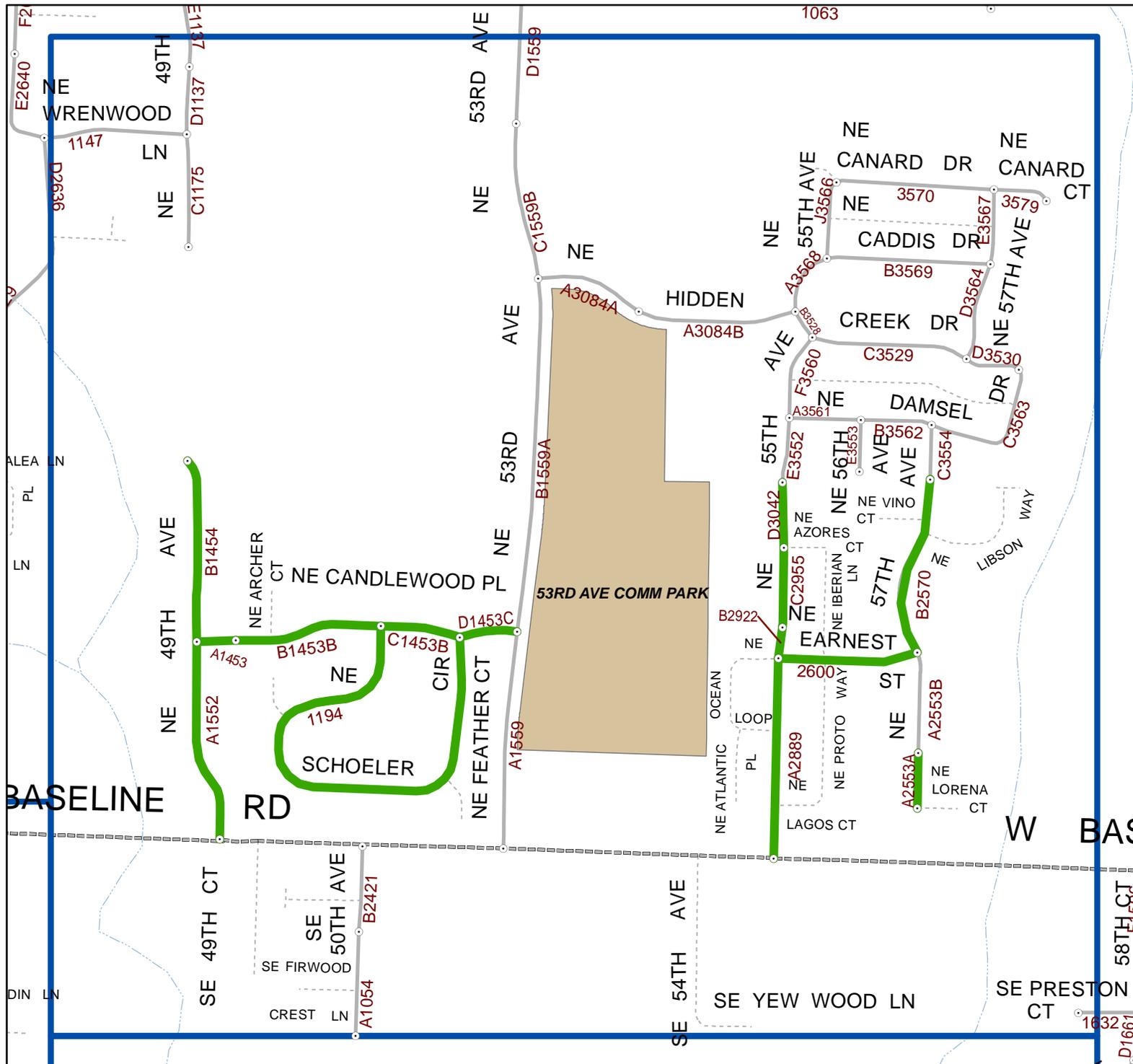
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
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Template D7
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A1552	NE 49TH AVE	N/S W BASELINE RD	C/L CANDLEWOOD PL	922	0	
B1454	NE 49TH AVE	C/L CANDLEWOOD PL	CUL DE SAC (N)	790	0	
A2889	NE 55TH AVE	N/S BASELINE RD	30' (S) C/L ERNEST ST	444	0	
B2922	NE 55TH AVE	BEG PCC N/S ERNEST	(S) P/L #177	21	0	
C2955	NE 55TH AVE	(S) P/L #177	C/L AZORES	296	0	
D3042	NE 55TH AVE	C/L AZORES	31' N OF N P/L #219	279	0	
A2553A	NE 57TH AVE	CDS	WIDTH CHANGE	292	0	
B2570	NE 57TH AVE	64' (N) C/L ERNEST ST	PAVEMENT CHANGE	102	0	
A1453	NE CANDLEWOOD PL	E/S 49TH AVE	BEGIN MOUNTABLE CURB	275	0	
B1453B	NE CANDLEWOOD PL	BEGIN MOUNTABLE CURB	C/L SCHOELER CIR (W)	60	0	
C1453B	NE CANDLEWOOD PL	C/L SCHOELER CIR (W)	C/L SCHOELER CIR (E)	42	0	
D1453C	NE CANDLEWOOD PL	C/L SCHOELER CIR (E)	W/S 53RD AVE	98	0	
2600	NE ERNEST ST	E/S 55TH AVE	W/S 57TH AVE	21	0	
1194	NE SCHOELER CIR	S/S CANDLEWOOD PL (W)	S/S CANDLEWOOD PL (E)	198	0	
TEMPLATE TOTALS				3840	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template D8
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A3685	NE 69TH AVE	N/S BASELINE	C/L OVERVIEW CT (S)	128	0	
B3752	NE 69TH AVE	C/L OVERVIEW CT (S)	END (N)	208	0	
A3724	NE 74TH AVE	ASHMONT ST	S/S QUATAMA RD	360	0	
3289	NE ASHMONT ST	E/S DANBURY AVE	74TH AVE	79	0	
A1514A	NE AUTUMNWOOD TER	N/S WOODSONG ST	C/L AUTUMNWOOD TER SPUR	109	0	
A1514B	NE AUTUMNWOOD TER	C/L AUTUMNWOOD TER SPUR	C/L WILLOWGROVE	92	0	
B1446	NE AUTUMNWOOD TER	C/L WILLOWGROVE ST	S/S QUATAMA RD	177	0	
1514	NE AUTUMNWOOD TER SPUR	W/S AUTUMNWOOD TER	END (W)	69	0	
A1567	NE DANBURY AVE	CUL DE SAC	C/L WOODSONG ST	91	0	
B1555	NE DANBURY AVE	C/L WOODSONG ST	C/L ASHMONT ST	187	0	
C1450	NE DANBURY AVE	C/L ASHMONT ST	S/S QUATAMA RD	154	0	
3884	NE ROCKRIDGE PL	END (WEST)	E/S 74TH	40	0	
A1375	NE WILLOWGROVE ST	DEAD END (WEST)	PAVEMENT CHANGE	70	0	
B1439	NE WILLOWGROVE ST	PAVEMENT CHANGE	C/L WOODSONG ST	66	0	
C1447	NE WILLOWGROVE ST	C/L WOODSONG ST	W/S AUTUMNWOOD TER	125	0	
A1556	NE WOODSONG DR	W/S DANBURY AVE	C/L AUTUMNWOOD TER	127	0	
B1515	NE WOODSONG ST	C/L AUTUMNWOOD TER	S/S WILLOWGROVE ST	63	0	
B1210	NW 229TH AVE	END (S)	ALLEY EAST	58	0	
C1124	NW 229TH AVE	ALLEY EAST	S/S DOGWOOD ST	70	0	
D1207	NW 229TH AVE	N/S DOGWOOD ST	C/L ALLEY	22	0	
E1219	NW 229TH AVE	C/L ALLEY	S/S CHESTNUT ST	8	0	
A874	NW 230TH AVE	N/S DOGWOOD ST	C/L ALLEY	50	0	
B896	NW 230TH AVE	C/L ALLEY	S/S CHESTNUT ST	75	0	
E626A	NW 231ST AVE	N/S BASELINE RD	BEG MEDIAN	127	0	
E626B	NW 231ST AVE	BEG MEDIAN	END MEDIAN	3	0	
E626C	NW 231ST AVE	END MEDIAN	C/L DEER RUN ST	111	0	
F2658A	NW 231ST AVE	C/L DEER RUN ST	BEG C/G (E)	869	0	
G2661A	NW 231ST AVE	C/L OELRICH RD	END C/G (E)	293	0	
G2661C	NW 231ST AVE	BEG C/G (E)	127FT N C/L MARINA CT	90	0	
E973	NW CHESTNUT ST	E/S 231ST AVE	C/L 230TH AVE	204	0	
F1118	NW CHESTNUT ST	C/L 230TH AVE	C/L 229TH AVE	44	0	
I1081	NW DOGWOOD ST	E/S 231ST AVE	C/L 230TH AVE	150	0	
J1082	NW DOGWOOD ST	C/L 230TH AVE	C/L 229TH AVE	97	0	
K1088	NW DOGWOOD ST	C/L 229TH AVE	W/S 228TH AVE	41	0	
TEMPLATE TOTALS				4457	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "A" Crack Seal D9

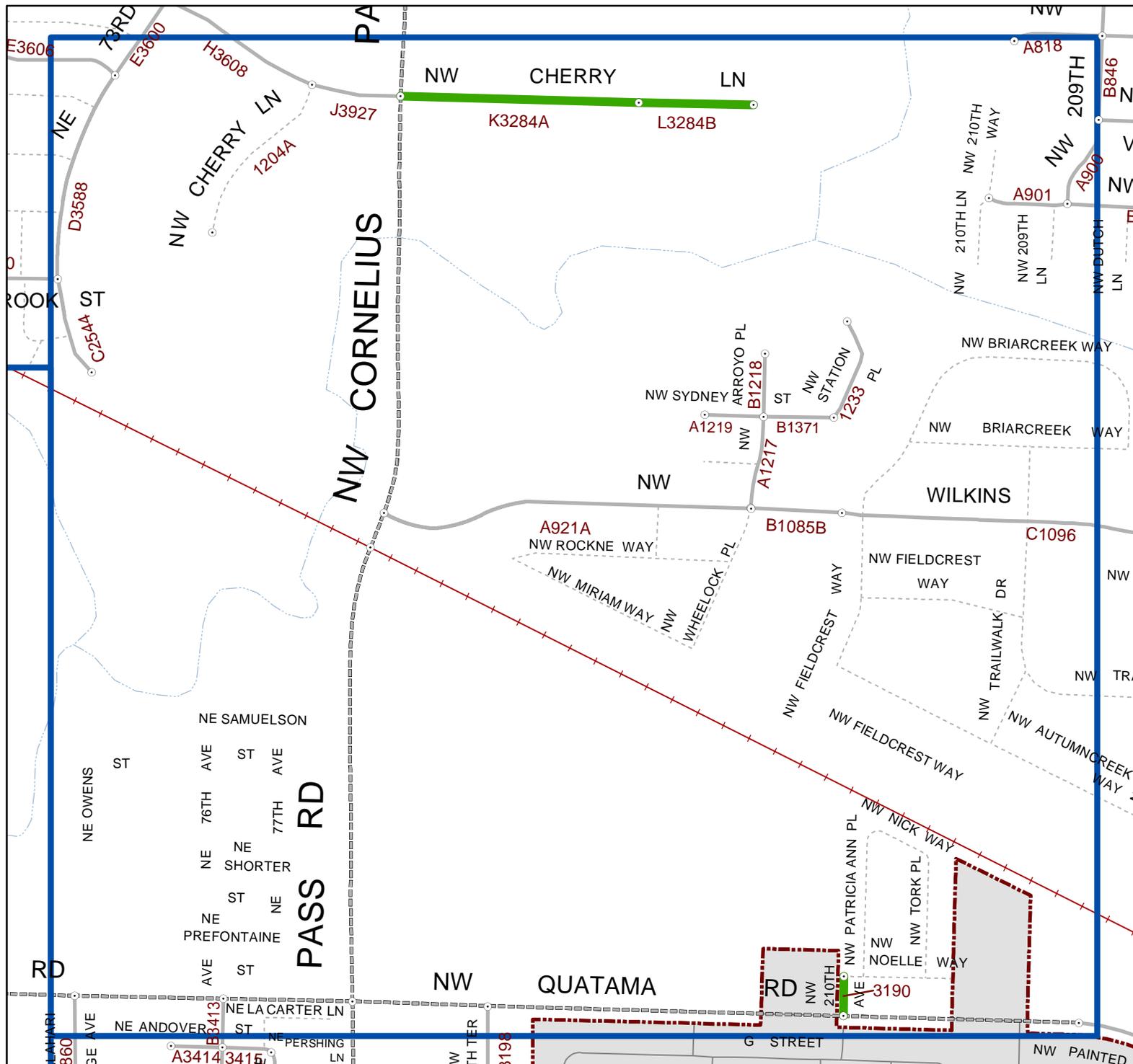
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream
- City Limits



1 inch = 400 feet

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Template D9
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
3190	NW 210TH AVE	N/S QUATAMA RD	N/S NOELLE WAY (PVT)	191	0	
K3284A	NW CHERRY LN	E/S CORNELIUS PASS RD	WIDTH CHANGE	1748	1480	EDGE SEAL MARKED BY INSPECTOR (S/S & PART N/S)
L3284B	NW CHERRY LN	WIDTH CHANGE	CDS	464	170	EDGE SEAL NORTH SIDE ONLY
TEMPLATE TOTALS				2403	1650	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template E3
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
F861	NE 4TH AVE	N/S GRANT ST	PAVEMENT CHANGE	163	0	
E814	NE DONELSON RD	E/S 6TH AVE	C/L BIRCHWOOD TER	308	0	
F820	NE DONELSON RD	C/L BIRCHWOOD TER	C/L 9TH AVE	171	0	
G825	NE DONELSON RD	C/L 9TH AVE	W/S DELSEY RD	163	0	
C862	NE GRANT ST	E/S 3RD AVE	C/L 4TH AVE	945	0	
D867A	NE GRANT ST	C/L 4TH AVE	WIDTH CHNG/ (W) P/L #421	287	0	
D867B	NE GRANT ST	WIDTH CHNG/(W) P/L #421	C/L NE JACKSON SCHOOL RD	187	0	
E871	NE GRANT ST	C/L JACKSON SCHOOL RD	C/L 5TH AVE	127	0	
F878	NE GRANT ST	C/L 5TH AVE	60'(W) W/S 6TH AVE	325	0	
TEMPLATE TOTALS				2676	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template F2
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
K285B	NE 2ND AVE	PVMNT CHNG (N)	C/L CORY ST	91	0	
L3223A	NE 2ND AVE	C/L CORY ST	N/S CHANCELLOR CT	308	0	
2950	NE CHANCELLOR CT	2ND AVE	CUL DE SAC (W)	580	0	
C256	NE CORY ST	E/S GLENCOE RD	C/L SUNDOWN CT	667	684	
D262	NE CORY ST	C/L SUNDOWN CT	W/S 2ND AVE	625	0	
255	NE SUNDOWN CT	N/S CORY ST	CUL DE SAC	724	822	
J1707	NW 10TH AVE	BROOKHILL ST	PVMT CNG	46	0	
K1753	NW 10TH AVE	PAVEMENT CHANGE	HARVEST MOON	121	0	
A3539A	NW 312TH AVE	BEGIN DRIVEWAY	C/L BROOKHILL	67	0	
A3539B	NW 312TH AVE	C/L BROOKHILL	WIDTH CHANGE	62	0	
B2709A	NW 312TH AVE	WIDTH CHANGE	C/L HARVEST MOON	88	0	
B2709B	NW 312TH AVE	C/L HARVEST MOON	S/S HERTEL	125	0	
A3357	NW 6TH AVE	BROOKHILL	S/S HERTEL	5	0	
B3380	NW 7TH AVE	C/L BROOKHILL	PAVEMENT CHANGE	5	0	
C2878	NW 7TH AVE	PAVEMENT CHANGE	S/S HARVEST MOON	29	0	
D1153	NW 7TH AVE	N/S HERTEL	C/L TREEHAVEN	277	0	
E1153	NW 7TH AVE	C/L TREEHAVEN	FOREST CREEK	201	0	
1152	NW 8TH AVE	N/S HERTEL	S/S FOREST CREEK	359	0	
A1309	NW 9TH AVE	NW HERTEL ST	C/L FOREST CREEK	645	0	
B1309	NW 9TH AVE	C/L FOREST CREEK	PVMNT CHNG (N) P/L #1817	301	0	
C3354	NW 9TH AVE	PVMNT CHNG (N) P/L #1817	S/S HORNECKER	280	0	
C3378	NW BROOKHILL LN	E/S 7TH	6TH	23	0	
A3147	NW BROOKHILL ST	10TH AVE	W/S 312TH	40	0	
A850	NW FOREST CREEK DR	E/S 9TH	C/L 8TH	151	0	
B850	NW FOREST CREEK DR	C/L 8TH	7TH	215	0	
A2216	NW HARVEST MOON DR	NW 10TH AVE	W/S 312TH AVE	25	0	
B2469	NW HARVEST MOON DR	E/S 8TH	C/L 7TH	45	0	
C2480	NW HARVEST MOON DR	C/L 7TH	(E) END	12	0	
A1185	NW HERTEL ST	9TH	C/L 8TH	70	0	
B1185	NW HERTEL ST	C/L 8TH	C/L 7TH	169	0	
C1185A	NW HERTEL ST	C/L 7TH AVE	C/L 6TH AVE	34	0	
C1185B	NW HERTEL ST	C/L 6TH AVE	S/S CONNELL	152	0	
1154	NW TREEHAVEN DR	E/S 7TH	S/S CONNELL	324	0	
TEMPLATE TOTALS				6866	1506	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal

F3

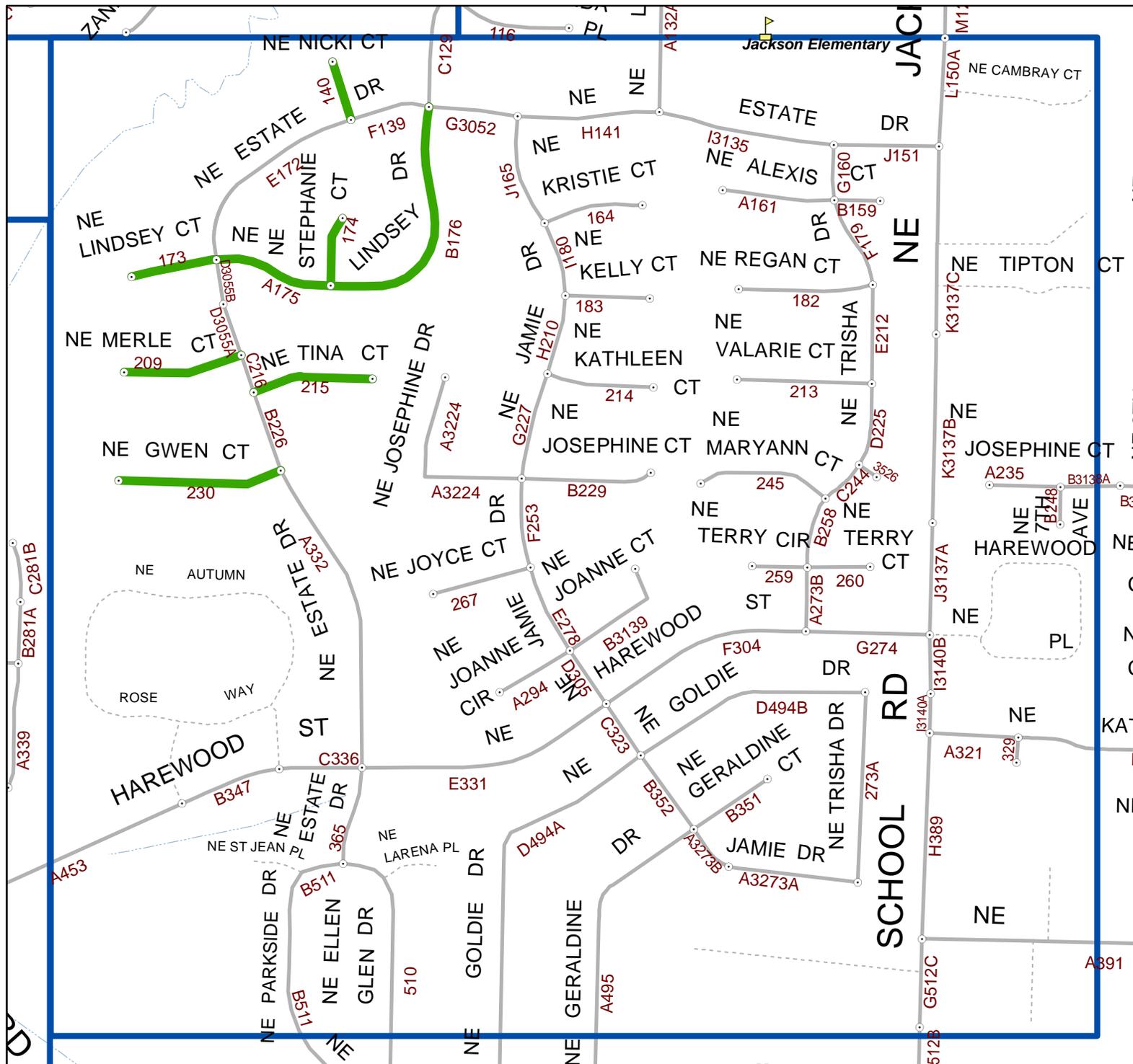
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream
- City Limits



1 inch = 400 feet

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Template F3
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
230	NE GWEN CT	W/S ESTATE DR	CUL DE SAC	238	0	
173	NE LINDSEY CT	W/S ESTATE DR	CUL DE SAC	182	562	
A175	NE LINDSEY DR	E/S ESTATE DR	C/L STEPHANIE CT	318	0	
B176	NE LINDSEY DR	C/L STEPHANIE CT	S/S ESTATE DR	512	0	
209	NE MERLE CT	W/S ESTATE DR	CUL DE SAC	254	0	
140	NE NICKI CT	N/S ESTATE DR	CUL DE SAC (N)	31	410	
174	NE STEPHANIE CT	N/S LINDSEY DR	CUL DE SAC	270	0	
215	NE TINA CT	E/S ESTATE DR	CUL DE SAC	474	0	
TEMPLATE TOTALS				2279	972	

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Schedule "A" Crack Seal

F4

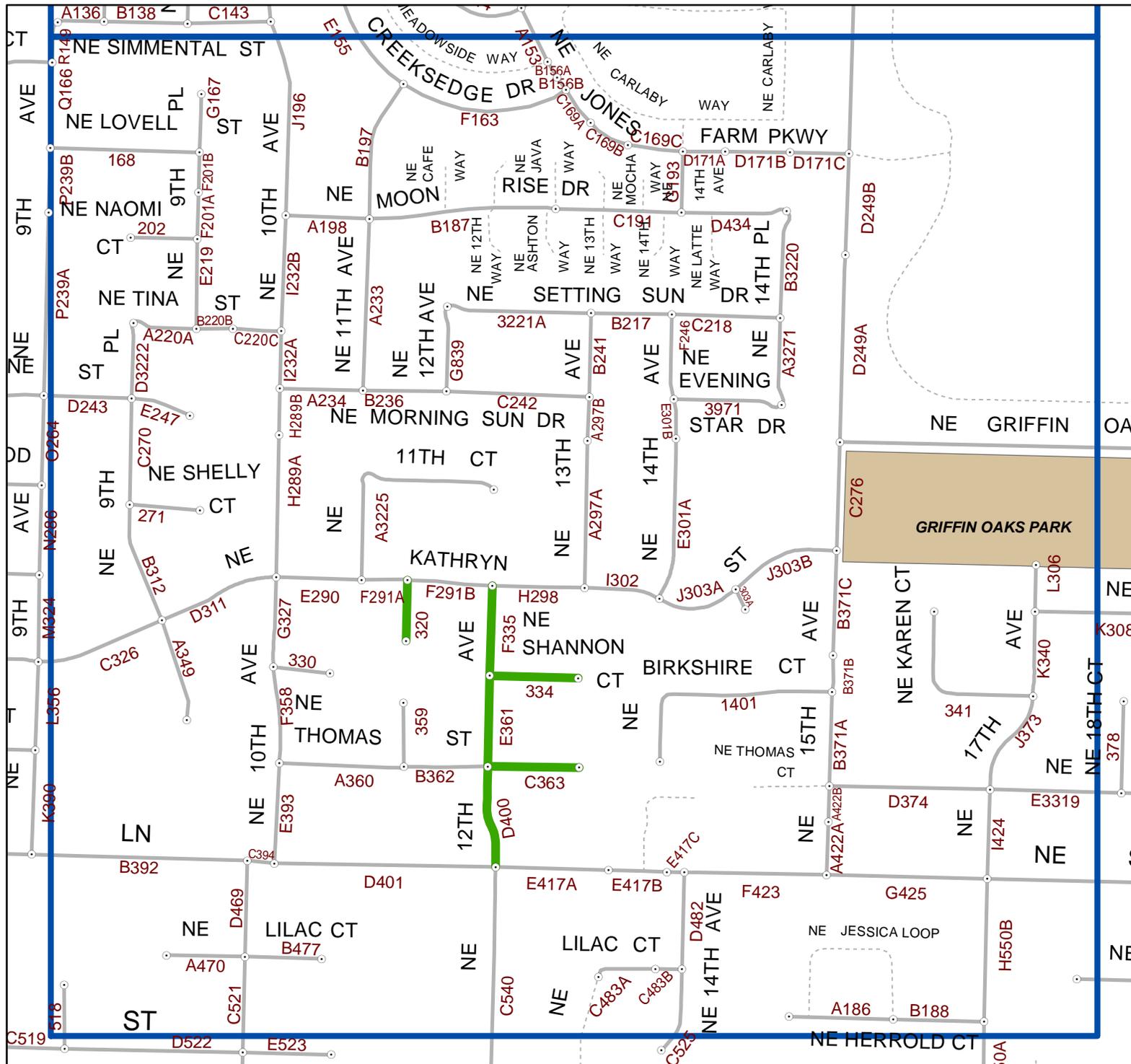
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
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Template F4
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
D400	NE 12TH AVE	N/S SUNRISE LN	C/L THOMAS ST	544	0	
E361	NE 12TH AVE	C/L THOMAS ST	C/L SHANNON CT	703	0	
F335	NE 12TH AVE	C/L SHANNON CT	S/S KATHRYN ST	478	0	
320	NE KATHRYN ST (SPUR E)	S/S KATHRYN ST	CUL DE SAC	369	0	
334	NE SHANNON CT	E/S 12TH AVE	CUL DE SAC	442	0	
C363	NE THOMAS ST	E/S 12TH AVE	CUL DE SAC	409	0	
TEMPLATE TOTALS				2945	0	

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Schedule "A" Crack Seal

F6

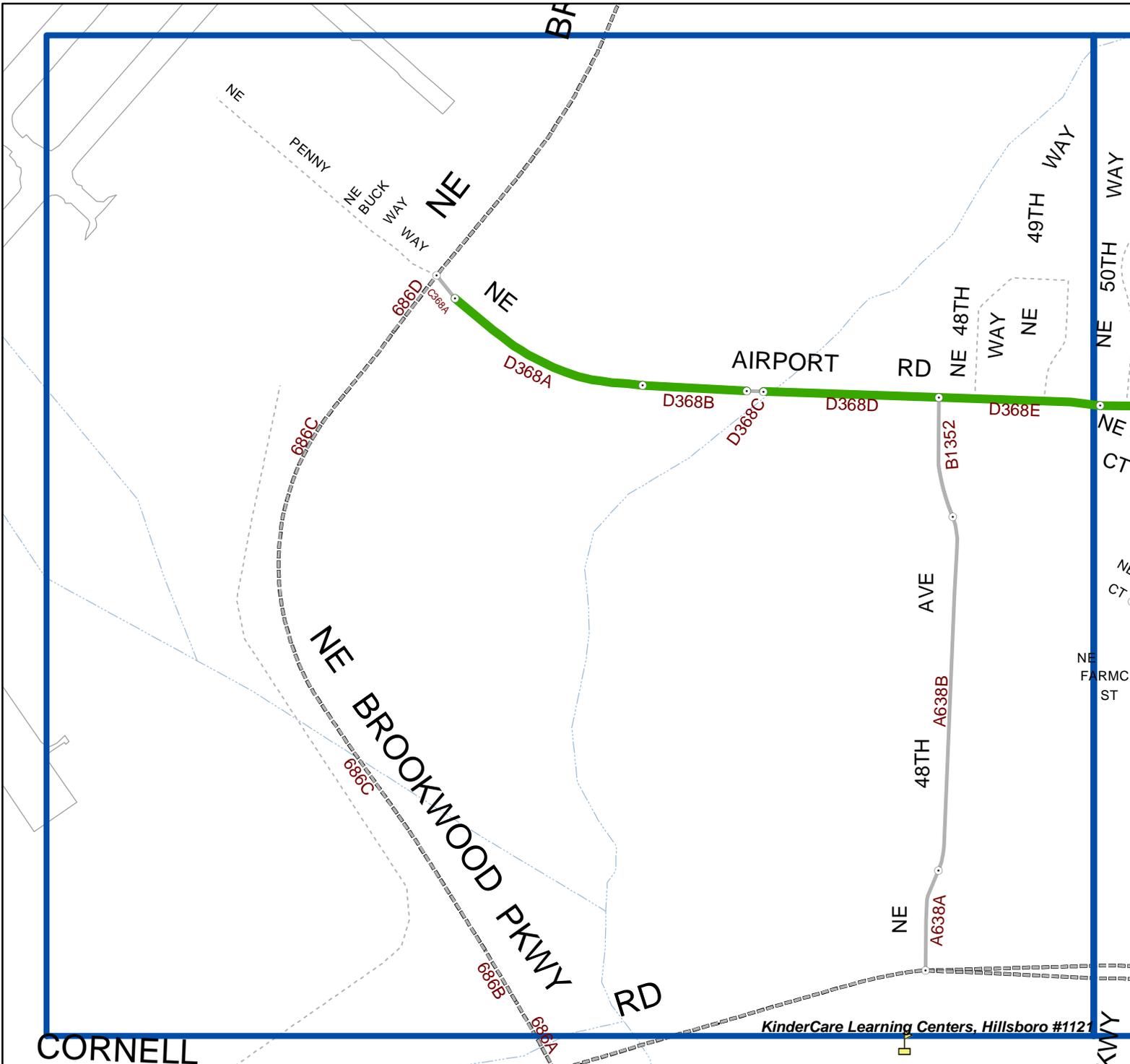
Legend

-  Schools
-  Section Node
-  Light Rail Station
-  Crack Seal
-  Template Boundary
-  Hillsboro Parks
-  City Roadway
-  City Alley
-  Unimproved City ROW
-  Private
-  County Road
-  State Highway
-  Light Rail
-  Heavy Rail
-  Stream
-  City Limits



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Template F6
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
D368A	NE AIRPORT RD	END PCC	WIDTH CHANGE BEG C/G (S)	945	0	
D368B	NE AIRPORT RD	WIDTH CHANGE BEG C/G (S)	BRIDGE (W)	892	0	
D368D	NE AIRPORT RD	BRIDGE (E)	C/L 48TH AVE	976	0	
D368E	NE AIRPORT RD	C/L 48TH AVE	WIDTH CHNG (N)	482	0	
TEMPLATE TOTALS				3295	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal

F7

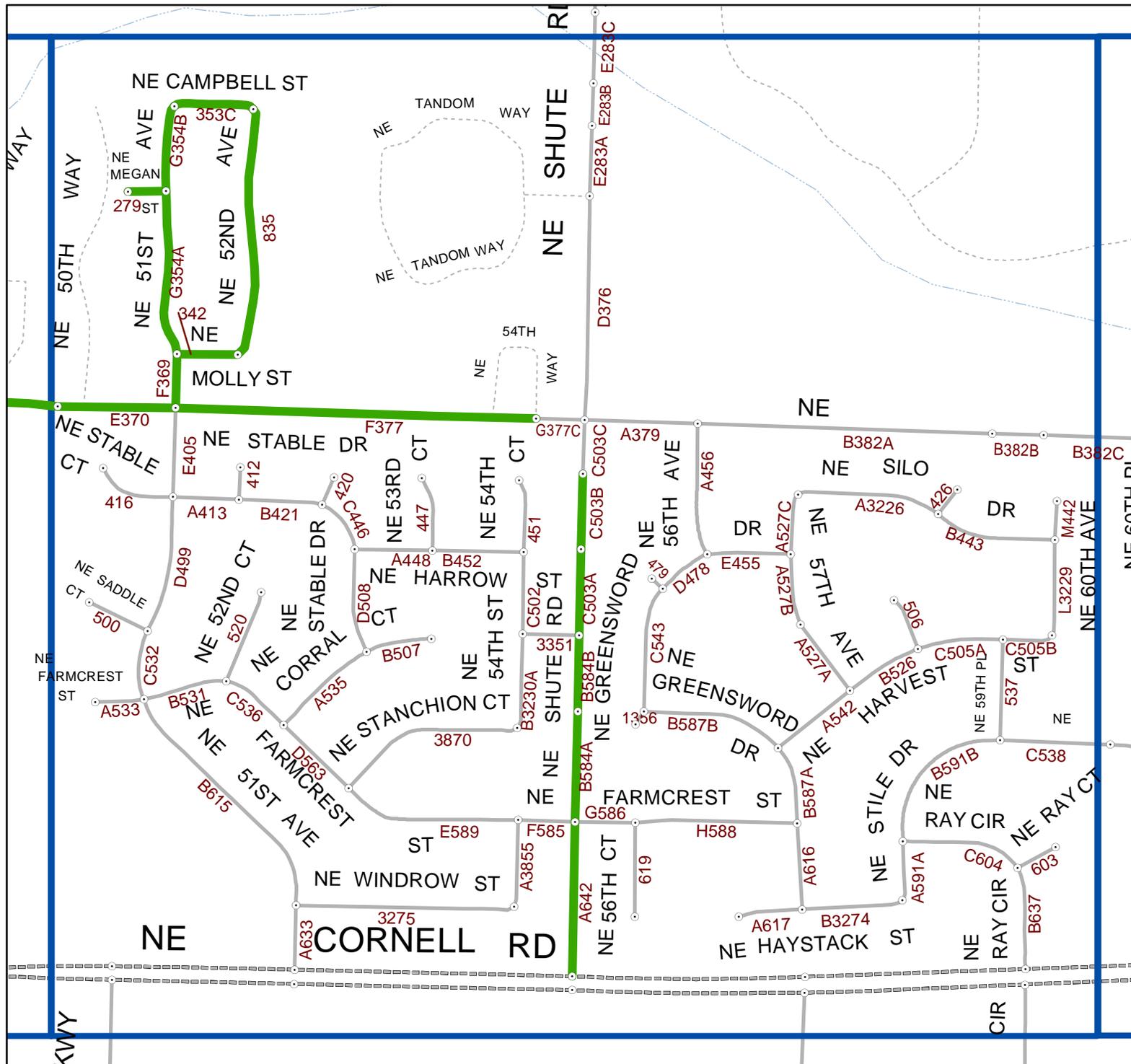
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
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Template F7
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
F369	NE 51ST AVE	N/S AIRPORT RD	C/L MOLLY	300	0	
G354A	NE 51ST AVE	C/L MOLLY ST	C/L MEGAN ST	925	0	
G354B	NE 51ST AVE	C/L MEGAN ST	CAMPBELL ST	570	0	
835	NE 52ND AVE	MOLLY ST	CAMBELL ST	1603	0	
E370	NE AIRPORT RD	WIDTH CHNG (N)	C/L 51ST AVE	644	0	
F377	NE AIRPORT RD	C/L 51ST AVE	BEG PCC	3039	0	
353C	NE CAMPBELL ST	51ST AVE	52ND AVE	255	0	
279	NE MEGAN ST	DEAD END (W)	W/S 51ST AVE	42	0	
342	NE MOLLY ST	E/S 51ST AVE	52ND AVE	226	0	
A642	NE SHUTE RD	N/S CORNELL RD	C/L FARMCREST ST	267	0	
B584A	NE SHUTE RD	C/L FARMCREST ST	PVMT CHNG @ 304 FT NORTH	259	0	
B584B	NE SHUTE RD	304 N OF C/L FARMCREST ST	C/L SADDLE ST	172	0	
C503A	NE SHUTE RD	C/L SADDLE ST	BEG C/G (E)	294	0	
C503B	NE SHUTE RD	BEG C/G (E)	BEG PCC	88	0	
TEMPLATE TOTALS				8684	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template F8
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A433A	NE 60TH PL	C/L ROSEBAY DR	C/L 60TH-COPPER BEECH ALY	86	0	
A433B	NE 60TH PL	C/L 60TH-COPPER BEECH ALY	C/L COPPER BEECH DR	93	0	
B395	NE 60TH PL	C/L COPPER BEECH DR	N/S BUTLER RD	139	0	
E631	NE 61ST AVE	N/S CORNELL RD	C/L ALLEY (E)	407	731	SEE INSPECTOR FOR EDGE SEAL
F593	NE 61ST AVE	C/L ALLEY (E)	S/S BRIGHTON DR	20	162	SEE INSPECTOR FOR EDGE SEAL
G567	NE 61ST AVE	N/S BRIGHTON DR	C/L 61ST ALY (INT S)	23	0	
H545	NE 61ST AVE	C/L 61ST ALY (INT S)	C/L 61ST ALY (INT N)	101	0	
I485	NE 61ST AVE	C/L 61ST ALY (INT N)	S/S ROSEBAY DR	92	0	
A454	NE 61ST PL	C/L ROSEBAY DR	C/L 61ST ALY	37	0	
B439	NE 61ST PL	C/L 61ST ALY	C/L COPPER BEECH DR	24	0	
D2793A	NE 63RD AVE	N/S CORNELL RD	S/S BRIGHTON ST	525	954	
A569A	NE BRIGHTON ST	BEG C/G (W)- NEW SEASON ENT	C/L 61ST AVE	62	0	
B569	NE BRIGHTON ST	C/L 61ST AVE	C/L ORENCO STATION WEST	60	0	
C572	NE BRIGHTON ST	C/L ORENCO STATION WEST	C/L ORENCO STATION PKWY	32	0	
D576	NE BRIGHTON ST	C/L ORENCO STATION PKWY	C/L ORENCO STATION EAST	30	0	
E574	NE BRIGHTON ST	C/L ORENCO STATION EAST	C/L 63RD AVE	46	0	
F3336	NE BRIGHTON ST	C/L 63RD AVE	C/L 64TH AVE	267	0	
G3470	NE BRIGHTON ST	C/L 64TH AVE	C/L 65TH AVE	201	0	
H3587	NE BRIGHTON ST	C/L 65TH AVE	W/S 229TH AVE	363	0	
A397	NE COPPER BEECH DR	E/S 60TH PL	C/L COPPER BEECH ALY	42	0	
B399	NE COPPER BEECH DR	C/L COPPER BEECH ALY	C/L PVT DR (W)	34	0	
A575	NE ORENCO STATION EAST PKWY	N/S BRIGHTON DR	C/L BRIGHTON-ROSEBAY ALY	23	0	
B3145	NE ORENCO STATION EAST PKWY	C/L BRIGHTON-ROSEBAY ALY	C/L ROSEBAY DR	174	0	
C481	NE ORENCO STATION EAST PKWY	C/L NE ROSEBAY DR	C/L NE ORENCO STATION PKWY	249	0	
B628A	NE ORENCO STATION PKWY	N/S CORNELL RD	WIDTH CHANGE	17	0	
B628B	NE ORENCO STATION PKWY	WIDTH CHANGE	PCC	40	0	
C608	NE ORENCO STATION PKWY	PCC	S/S BRIGHTON DR	100	0	
D449	NE ORENCO STATION PKWY	N/S ORENCO STATION E/W	S/S BUTLER RD	569	0	
A568	NE ORENCO STATION WEST PKWY	N/S BRIGHTON DR	C/L ROSEBAY DR	278	0	
B466	NE ORENCO STATION WEST PKWY	C/L ROSEBAY DR	C/L ORENCO STATION PKWY	128	0	
A3143	NE ROSEBAY DR	C/L 60TH PL	C/L PVT DRIVE (S)	19	0	
B458	NE ROSEBAY DR	C/L PVT DRIVE (W)	C/L PVT DRIVE (E)	64	0	
D461	NE ROSEBAY DR	C/L PVT DR (E)	C/L 61ST AVE	47	0	
E460	NE ROSEBAY DR	C/L 61ST AVE	C/L 61ST PL	31	0	
F467	NE ROSEBAY DR	E/S 61ST PL	W/S ORENCO STA. WEST	145	0	
TEMPLATE TOTALS				4568	1847	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal

F9

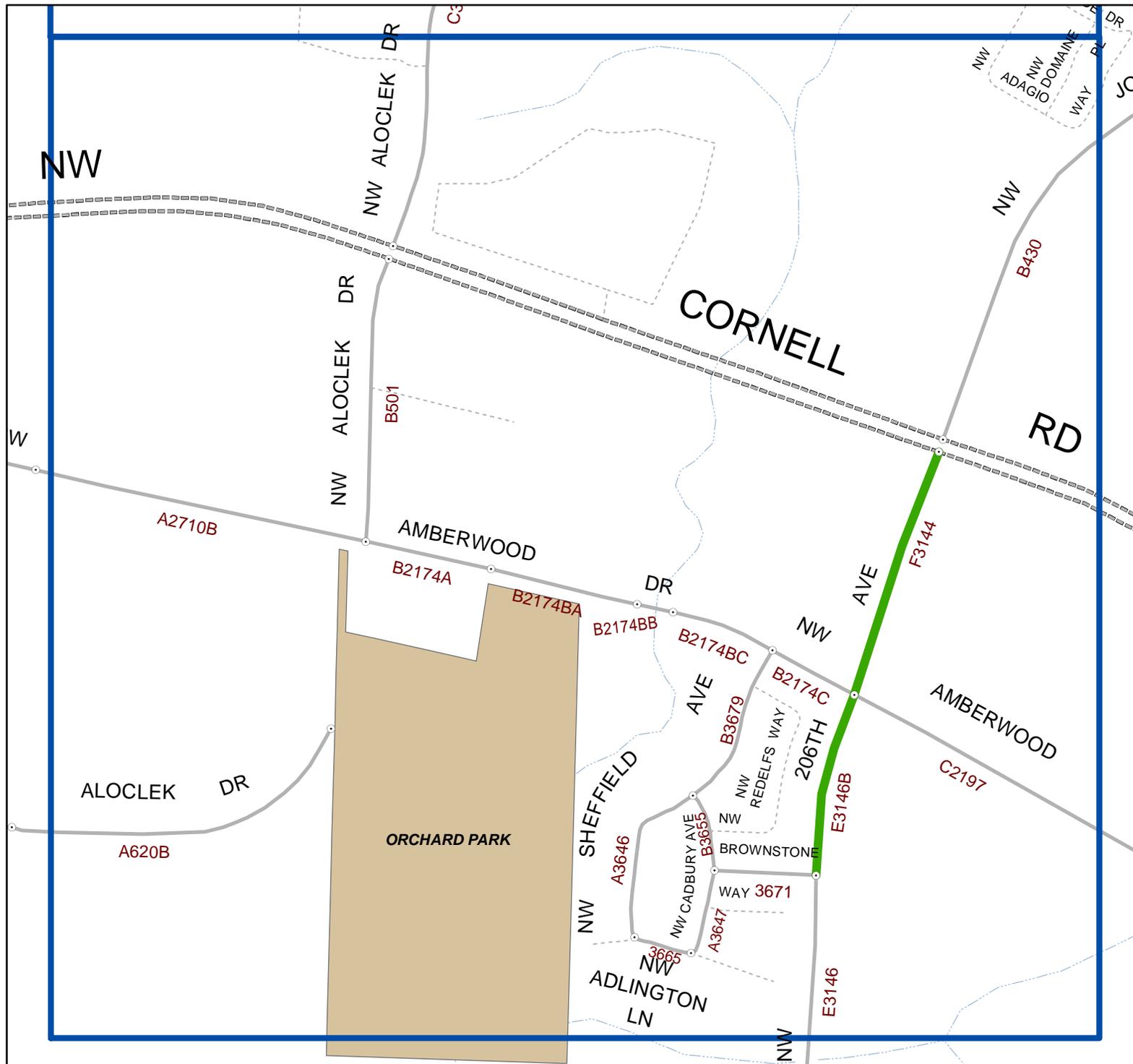
Legend

-  Schools
-  Section Node
-  Light Rail Station
-  Crack Seal
-  Template Boundary
-  Hillsboro Parks
-  City Roadway
-  City Alley
-  Unimproved City ROW
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-  Heavy Rail
-  Stream
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Template F9
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
E3146B	NW 206TH AVE	70FT S OF C/L BROWNSTONE WY	C/L AMBERWOOD DR	639	0	
F3144	NW 206TH AVE	C/L AMBERWOOD DR	S/S CORNELL RD (PCC)	478	0	
TEMPLATE TOTALS				1117	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template G2
Schedule "A": Crack Seals
2015 Pavement Management Program
#20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
199	NE 1ST DR	SKYLAR ST	S/S LENOX ST	255	860	
111	NE 2ND DR	N/S TREENA ST	S/S LENOX ST	430	1040	
M27A	NE 3RD AVE	PHOENIX ST	C/L MILNE RD	510	0	
M27B	NE 3RD AVE	C/L MILNE RD	C/L WILCOX ST	573	0	
N12	NE 3RD AVE	C/L WILCOX ST	S/S EVERGREEN RD	591	0	
G60	NE 4TH AVE	E/S SUNBURST AVE	C/L MILNE CT	525	0	
H41	NE 4TH AVE	C/L MILNE CT	S/S SUNBURST AVE	159	0	
106	NE AMBER AVE	SKYLAR ST	S/S LENOX ST	145	564	
30	NE CORONA CT	N/S SUNBURST AVE	CUL DE SAC	731	0	
B58B	NE GLENCOE OAKS PL	N/S MILNE RD	PAVE CHNG	410	0	
B58C	NE GLENCOE OAKS PL	PAVE CHNG	WILCOX ST	116	222	
A73	NE KASTER DR	S/S LENOX ST	C/L TRALEE CT	361	0	
B66	NE KASTER DR	C/L TRALEE CT	C/L KINSALE CT	385	0	
C51B	NE KASTER DR	C/L KINSALE CT	C/L SPUR	193	0	
D51C	NE KASTER DR	C/L SPUR	S/S MILNE RD	194	0	
51A	NE KASTER SPUR DR	W/S KASTER DR	CUL DE SAC	281	0	
112	NE KATIE DR	TREENA ST	S/S LENOX ST	262	1028	
57	NE KINSALE CT	W/S KASTER DR	CUL DE SAC	377	0	
65	NE LAUREN CT	W/S SUNBURST AVE	CUL DE SAC	438	0	
G91	NE LENOX ST	E/S GLENCOE RD	C/L AMBER AVE	235	250	
H90	NE LENOX ST	C/L AMBER AVE	C/L 1ST DR	312	564	
I83	NE LENOX ST	C/L 1ST DR	C/L KATIE DR	430	622	
J80	NE LENOX ST	C/L KATIE DR	C/L 2ND DR	328	540	
K79A	NE LENOX ST	C/L 2ND	C/L SCHOOL DW	43	380	
K79B	NE LENOX ST	C/L SCHOOL DW	PVT CHNG (W P/L #271)	324	0	
K79C	NE LENOX ST	PVT CHNG (W P/L #271)	W/S 3RD	425	0	
J44	NE MILNE CT	W/S 4TH AVE	CUL DE SAC	146	0	
113	NE NOVA DR	N/S TREENA ST	KIRRA ST	47	880	
A3215	NE PHOENIX ST	3RD AVE	W/S SUNBURST AVE	244	0	
194	NE SKYLAR ST	AMBER AVE	1ST DR	187	446	
A70	NE SUNBURST AVE	N/S LENOX ST	C/L 4TH AVE	509	0	
B61	NE SUNBURST AVE	C/L 4TH AVE	C/L LAUREN CT	220	0	
C59	NE SUNBURST AVE	C/L LAUREN CT	C/L PHOENIX ST	386	0	
D43	NE SUNBURST AVE	C/L PHOENIX ST	C/L SUNBURST AVE (SPUR)	313	0	
E3316	NE SUNBURST AVE	C/L SUNBURST AVE (SPUR)	C/L CORONA CT	262	0	
F29	NE SUNBURST AVE	C/L CORONA CT	C/L 4TH AVE	104	0	
G18	NE SUNBURST AVE	C/L 4TH AVE	S/S EVERGREEN RD	291	0	
34	NE SUNBURST AVE (SPUR)	W/S SUNBURST AVE	CUL DE SAC	4	0	
67	NE TRALEE CT	W/S KASTER DR	CUL DE SAC	635	0	
A114A	NE TREENA ST	KATIE DR	C/L 2ND DR	60	552	
B114B	NE TREENA ST	C/L 2ND DR	C/L NOVA DR	130	538	
A3212	NE WILCOX ST	GLENCOE OAKS	W/S 3RD AVE	1,032	0	
TEMPLATE TOTALS				13603	8486	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template G4
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A64	NE 13TH PL	C/L NE MAUREEN ST	CUL DE SAC (S)	243	0	
B46	NE 13TH PL	C/L MAUREEN ST	C/L EDGEFIELD ST	93	0	
B46B	NE 13TH PL	C/L EDGEFIELD ST	N/S ESTELLE CT	35	0	
I37	NE 14TH AVE	N/S EDGEFIELD ST	S/S ZACHARY ST	408	614	
A38	NE EDGEFIELD ST	E/S 13TH PL	C/L 14TH AVE	178	442	
B40	NE EDGEFIELD ST	C/L 14TH AVE	W/S 15TH AVE	459	816	
3129	NE ESTELLE CT	CDS (W)	E/S 13TH PL	275	0	
A14B	NE ZACHARY ST	E/S 13TH AVE	C/L 14TH AVE	386	688	
B15	NE ZACHARY ST	C/L 14TH AVE	CUL DE SAC (E)	725	0	
TEMPLATE TOTALS				2802	2560	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal G5

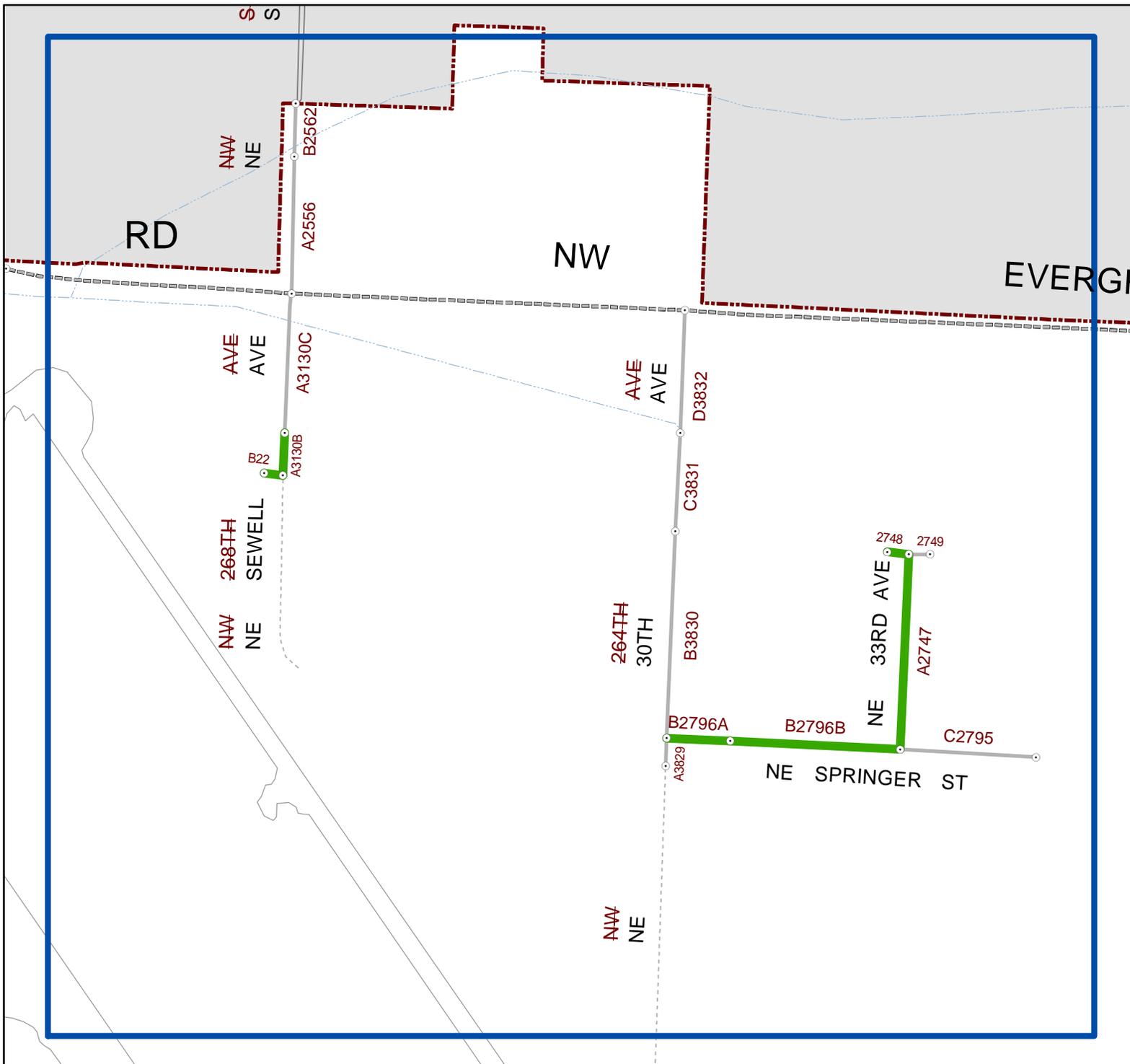
Legend

- Schools
- Section Node
- Light Rail Station
- Crack Seal
- Template Boundary
- Hillsboro Parks
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream
- City Limits



1 inch = 400 feet

DISCLAIMER
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Template G5
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A2747	NE 33RD AVE	N/S SPRINGER	END N	361	0	
2748	NE 33RD AVE SPUR (W)	(W) END	W/S 33RD AVE	13	0	
A3130B	NE SEWELL AVE	GATE (S)	PVMT CHANGE	78	0	
B22	NE SEWELL AVE	W/S SEWELL	END (SPUR)	141	0	
B2796A	NE SPRINGER ST	E/S 30TH AVE	WIDTH CHNG	103	0	
B2796B	NE SPRINGER ST	WIDTH CHNG	C/L 33RD AVE	22	0	
TEMPLATE TOTALS				718	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal

G9

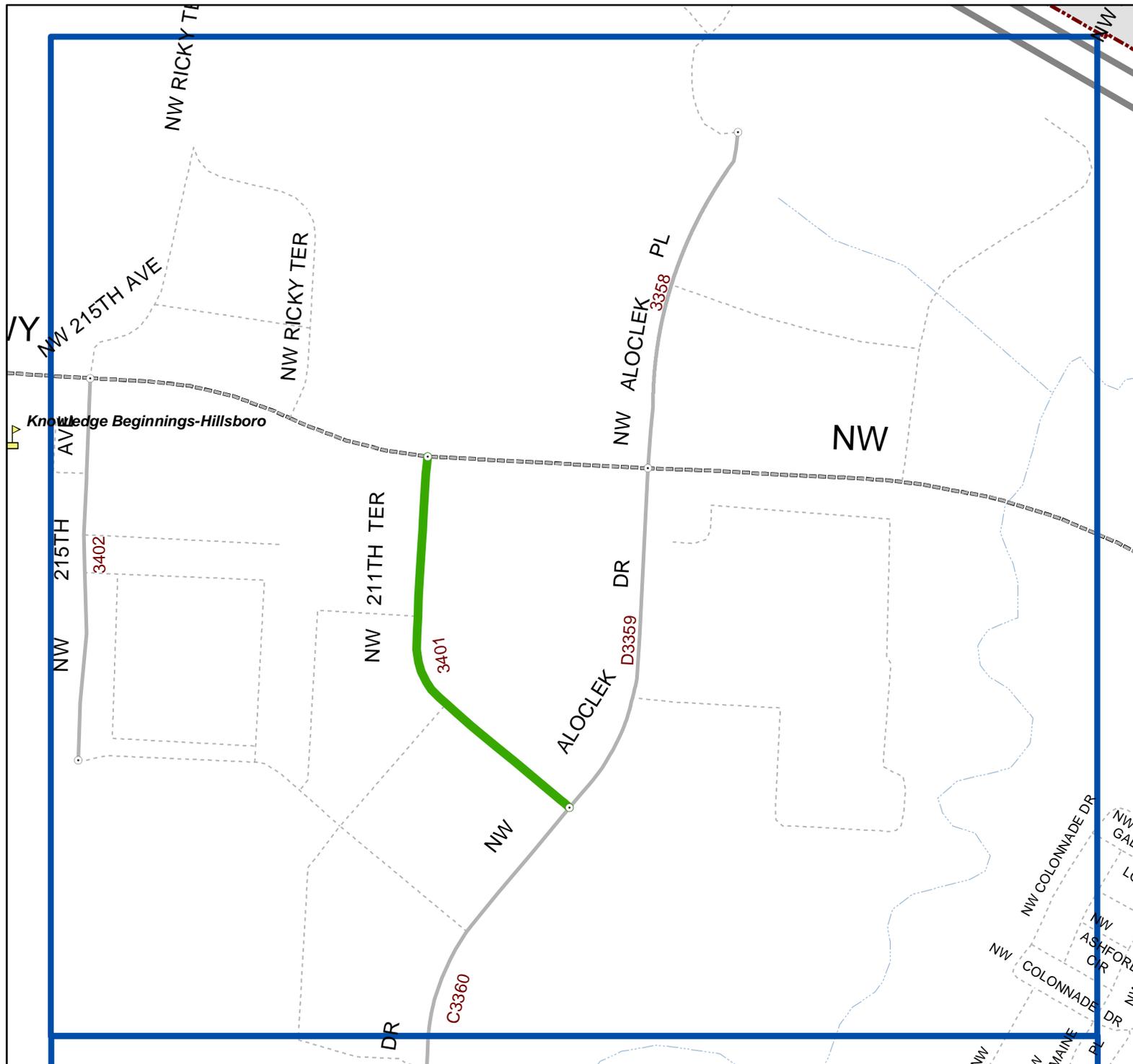
Legend

-  Schools
-  Section Node
-  Light Rail Station
-  Crack Seal
-  Template Boundary
-  Hillsboro Parks
-  City Roadway
-  City Alley
-  Unimproved City ROW
-  Private
-  County Road
-  State Highway
-  Light Rail
-  Heavy Rail
-  Stream
-  City Limits



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Template G9
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
3401	NW 211TH TER	W/S ALOCLEK DR	S/S EVERGREEN PK	4,234	0	
TEMPLATE TOTALS				4,234	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal

H7

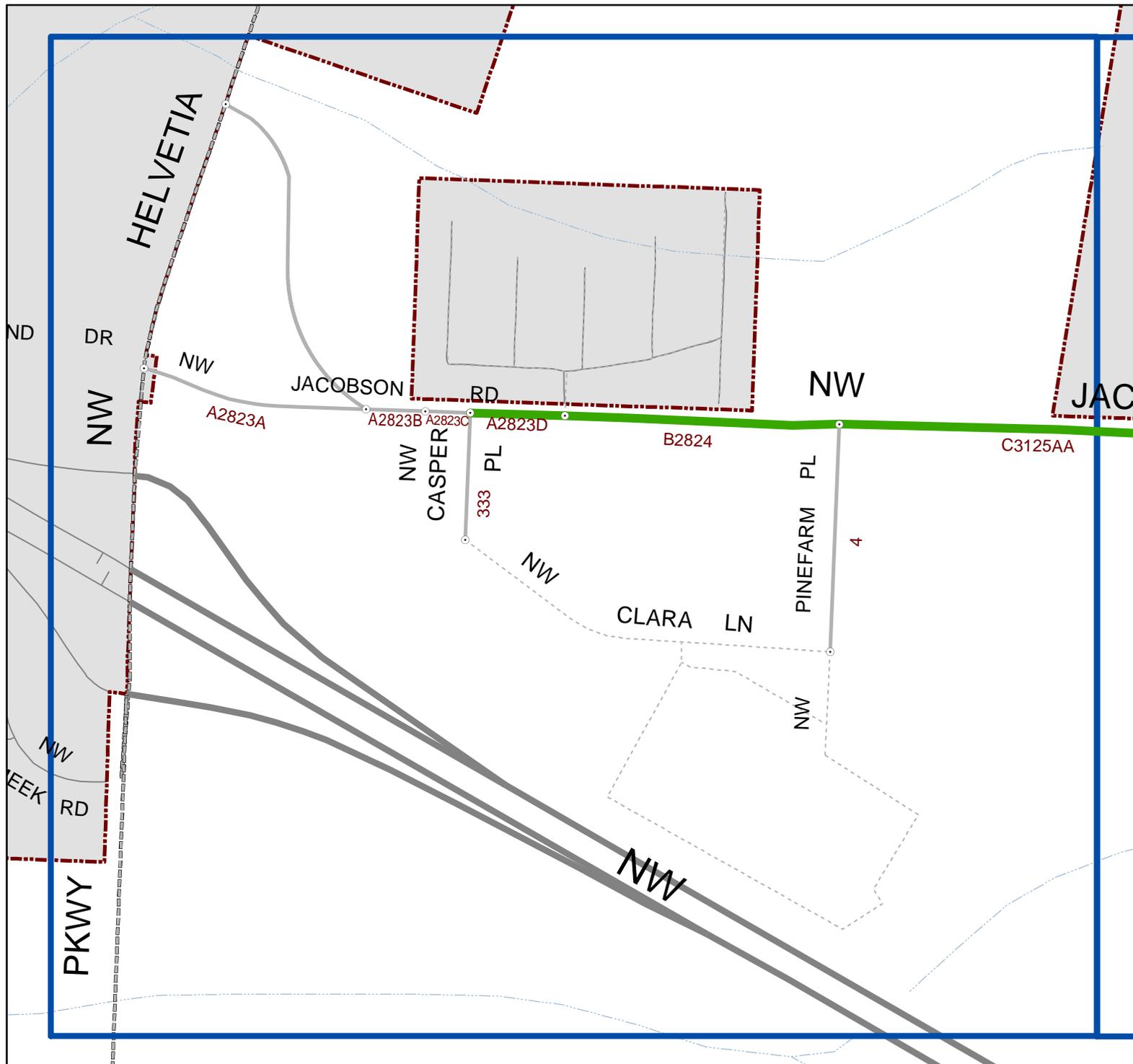
Legend

-  Schools
-  Section Node
-  Light Rail Station
-  Crack Seal
-  Template Boundary
-  Hillsboro Parks
-  City Roadway
-  City Alley
-  Unimproved City ROW
-  Private
-  County Road
-  State Highway
-  Light Rail
-  Heavy Rail
-  Stream
-  City Limits



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Template H7
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
A2823D	NW JACOBSON RD	40' (W) C/L CASPER PL	PVMT CHNG	743	0	
B2824	NW JACOBSON RD	PVMT CHNG	C/L PINEFARM PL	2497	0	
C3125AA	NW JACOBSON RD	C/L PINEFARM	BEG C/G (N)	1750	0	
TEMPLATE TOTALS				4990	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Schedule "A" Crack Seal

H8

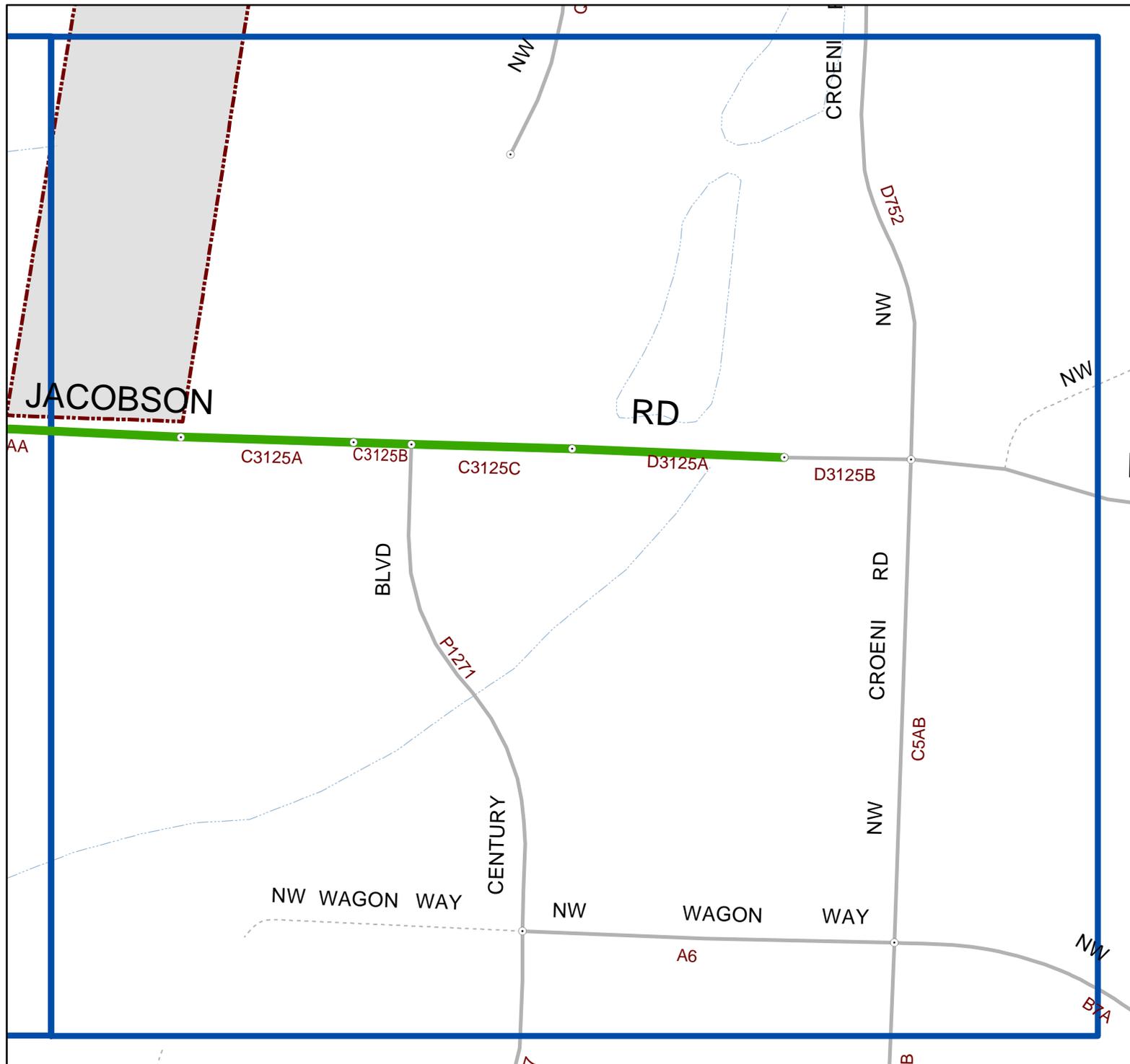
Legend

-  Schools
-  Section Node
-  Light Rail Station
-  Crack Seal
-  Template Boundary
-  Hillsboro Parks
-  City Roadway
-  City Alley
-  Unimproved City ROW
-  Private
-  County Road
-  State Highway
-  Light Rail
-  Heavy Rail
-  Stream
-  City Limits



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Template H8
Schedule "A": Crack Seals
 2015 Pavement Management Program
 #20552222-6102

CRACK SEALS

SECTION ID	STREET	FROM	TO	CRACK SEAL (LF)	EDGE SEAL? (LF)	NOTES
C3125A	NW JACOBSON RD	BEG C/G (N)	END C/G (N)	1350	0	
C3125B	NW JACOBSON RD	END C/G (N)	C/L CENTURY	596	0	
C3125C	NW JACOBSON RD	C/L CENTURY BLVD	WIDTH CNG BEG C/G (N)	1500	0	
D3125A	NW JACOBSON RD	WIDTH CHNG BEG C/G (N)	PAVEMENT CHANGE	2995	0	
TEMPLATE TOTALS				6441	0	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

**City of Hillsboro
2015 Pavement Management Program
Contract #20552222-6102**

Schedule "B": Overlays & AC Replacements



**Engineering Division
150 E Main Street, Fourth Floor
Hillsboro, OR 97123
Phone: 503-681-6416**



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements Overview

Legend

- Light Rail Station
- Schools

AC Replacement

Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

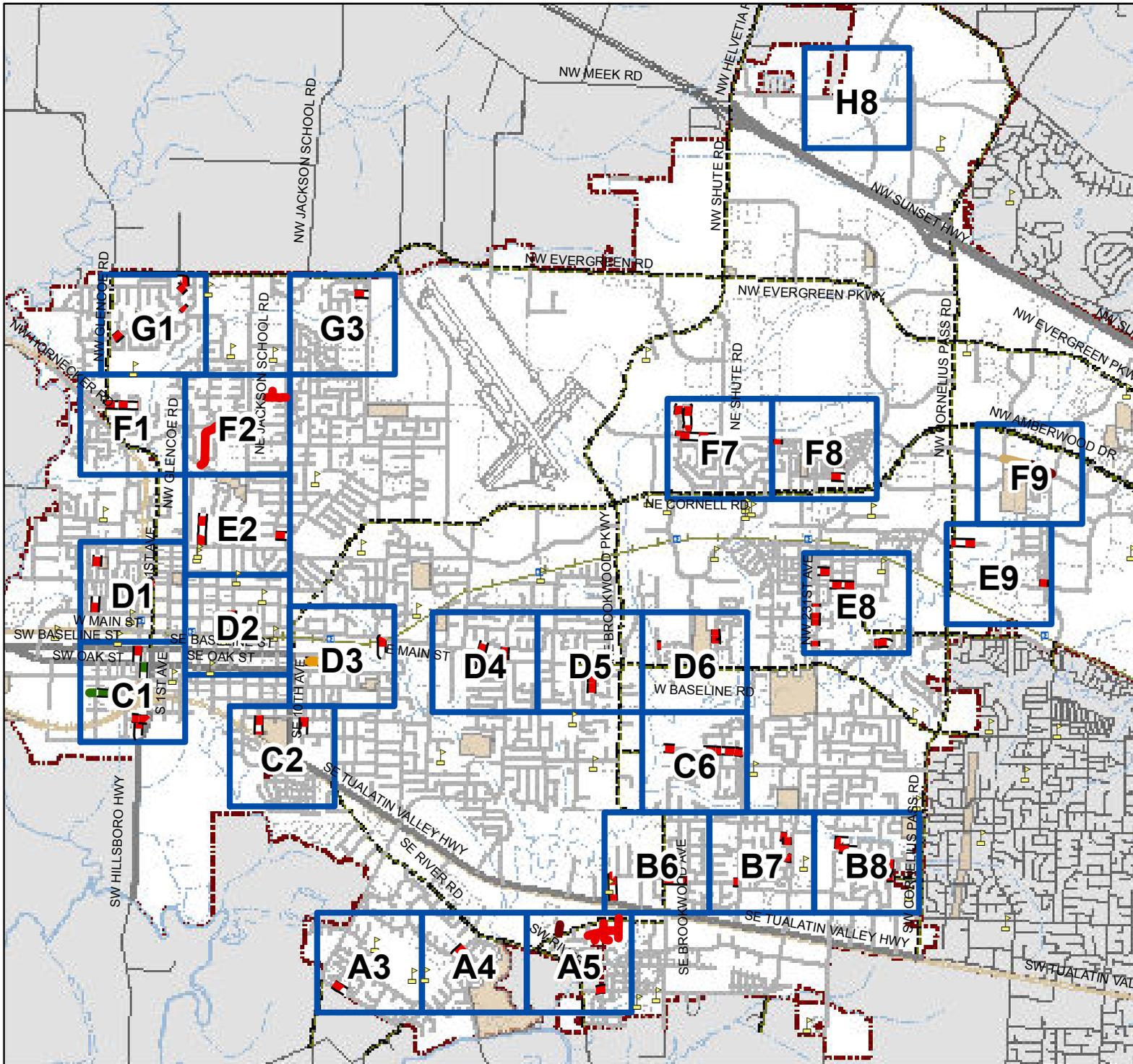
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



1 inch = 4,000 feet

DISCLAIMER

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2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements A3

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



1 inch = 400 feet

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Template A3

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
B3766	SE MORGAN RD	C/L ROYALSTAR AVE	W/S GALAXY AVE	15.89	4.41	(11*13)	5" DEEP
TEMPLATE TOTALS				15.89	4.41		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template A4

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
F2498B	SE ROOD BRIDGE RD	BEGIN C/G (S)	END C/G (N)	13.33	3.70	(10*12)	5" DEEP
H2483	SE ROOD BRIDGE RD	S/S ROOD BRIDGE DR (W)	C/L TIMBERLAKE DR (S)	36.00	10.00	(6*54)	5" DEEP; IN DO: 4"Y=54FT, YRPM=1 (ONLY FIXING POTHOLE AREA)
TEMPLATE TOTALS				49.33	13.70		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template A5
Schedule "B": Overlays and AC Replacements
 2015 Pavement Management Program
 #20552222-6102

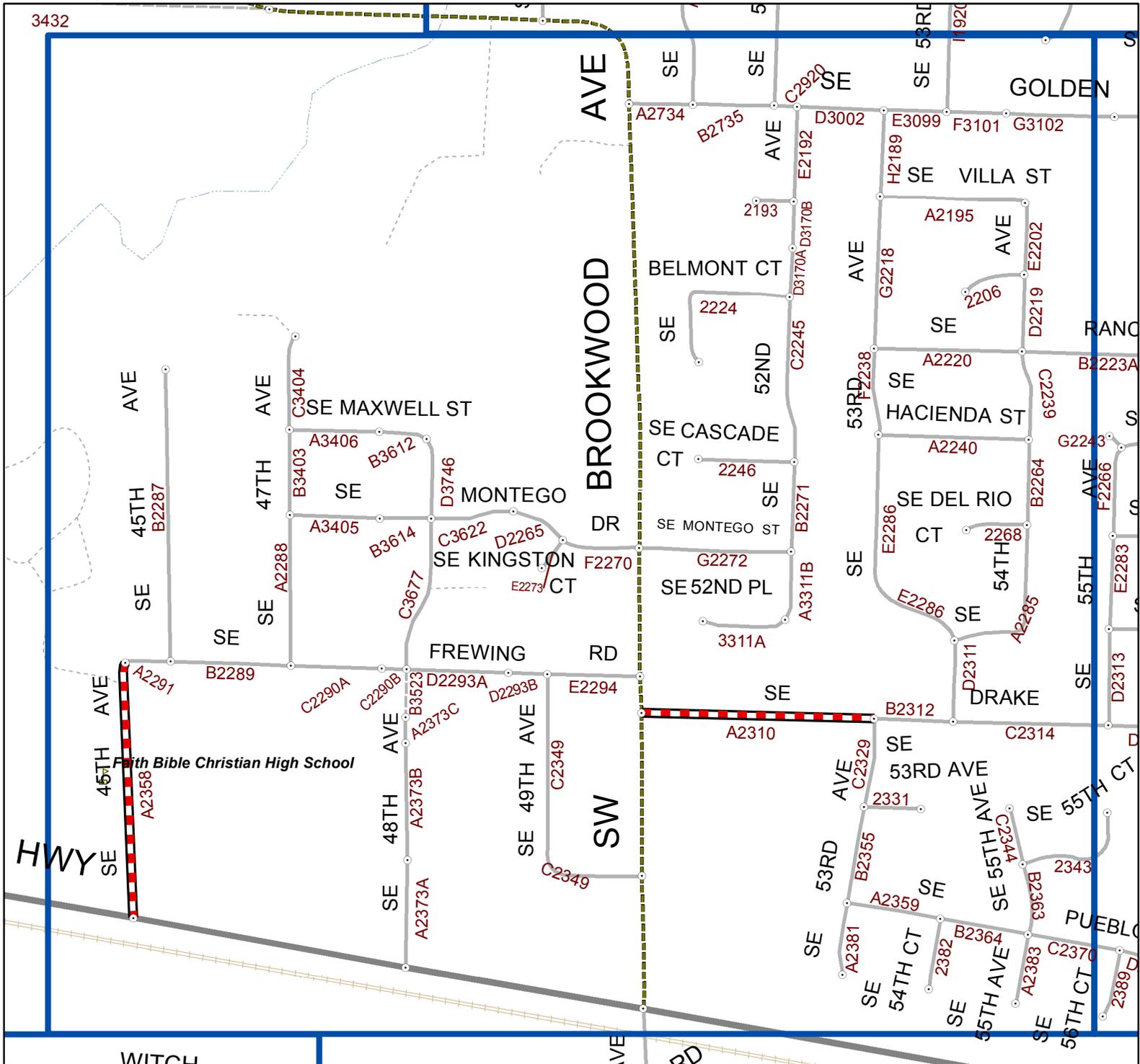
AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
B3592	SE DAVIS RD	BEGIN MEDIAN	END MEDIAN	48.89	13.58	(6*20)+(16*20)	5" DEEP
TEMPLATE TOTALS				48.89	13.58		

OVERLAYS

SECTION ID	STREET	FROM	TO	TREATMENT	L	W	CDS?	AREA (SQYD)	BASE & DIGOUTS			GRINDING		LEVEL 2, 1/2" DENSE GRADED ASPHALT		UTILITY ADJUSTMENTS			NEW SURVEY MONUMENT BOX (EA)	BLUE RPMS	12" WHITE (LF)	REMOVE/REPLACE CURB-GUTTER (LF)	COMMENTS	
									SUBGRADE STABILIZATION (CU. YD.)	AC REMOVE (SQ. YD.)	AC REPLACE (TONS)	2" FULL WIDTH GRIND (SQ. YD.)	3" FULL WIDTH GRIND (SQ. YD.)	2.5" AC OVERLAY (TONS)	3" AC OVERLAY (TONS)	MANHOLES	WATER VALVES	GAS VALVES						
A3318	SE 39TH AVE	N/S WITCHHAZEL RD	END CDS (N)	3"FWG, 3"OL	290	38	0.5	1525	0.0	31.04	5.17	0	1525	0.0	254.2	3	1	1	0	2	19	109	CB IN PCC=2; STOP BAR=1; DO @ PVT STREET (5x48); C/G @ COMMERCIAL CDS DWs; COUNTY @ WITCHHAZEL	
2452	SE 43RD CT	S/S WYNNWOOD DR	CUL DE SAC (S)	2"FWG, 2.5"OL	205	30	0.5	962	0.0	0.00	0.00	962	0	132.8	0.0	1	0	0	0	0	0	0	0	CB IN PCC=1
A2450	SE 44TH CT	S/S WYNNWOOD DR	CUL DE SAC (S)	2"FWG, 2.5"OL	288	30	1	1518	0.0	0.00	0.00	1518	0	209.4	0.0	3	0	0	0	0	0	0	0	CB IN PCC=2
B2427	SE 44TH CT	N/S WYNNWOOD DR	CUL DE SAC (N)	2"FWG, 2.5"OL	207	30	1.5	1527	0.0	0.00	0.00	1527	0	210.7	0.0	2	0	0	3	0	0	0	0	CB IN PCC=2
A2444	SE 45TH CT	C/L WYNNWOOD DR	CUL DE SAC (S)	2"FWG, 2.5"OL	187	30	1	1182	0.0	0.00	0.00	1182	0	163.0	0.0	1	0	0	0	0	0	0	0	CB IN PCC=1
B2422	SE 45TH CT	C/L WYNNWOOD DR	28FT S S/S WITCHHAZEL RD	2"FWG, 2.5"OL	322	30	0	1073	17.9	0.00	0.00	1073	0	148.0	0.0	2	0	0	0	1	0	0	0	CB IN PCC=2; COUNTY @ WITCHHAZEL; MAY NEED OVEREX
D2434	SE WYNNWOOD DR	35FT E C/L 42ND AVE	C/L 43RD CT	2"FWG, 2.5"OL	165	30	0	550	0.0	0.00	0.00	550	0	75.9	0.0	0	0	0	0	1	0	0	0	
E2431	SE WYNNWOOD DR	C/L 43RD CT	C/L 44TH CT	2"FWG, 2.5"OL	255	30	0	850	0.0	0.00	0.00	850	0	117.2	0.0	1	0	0	0	0	0	0	0	CB IN PCC=2
F2426	SE WYNNWOOD DR	C/L 44TH CT	W/S 45TH CT	2"FWG, 2.5"OL	443	30	0	1477	24.6	0.00	0.00	1477	0	203.7	0.0	3	0	0	0	1	0	0	0	CB IN PCC=2; MAY NEED OVEREX
TEMPLATE TOTALS									42.5	31.04	5.17	9139	1525	1260.7	254.2	16	1	1	3	5	19	109		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements B6

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement

Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



1 inch = 400 feet

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Template B6
Schedule "B": Overlays and AC Replacements
 2015 Pavement Management Program
 #20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
A2358	SE 45TH AVE	N/S TV HWY	S/S FREWING RD	100.00	27.78	(25*36)	5"DEEP; IN DO: 12"W = 27FT
A2310	SE DRAKE RD	E/S BROOKWOOD AVE	C/L 53RD AVE (W INT.)	302.22	83.95	(32*85)	5" DEEP; IN DO: MH=1
TEMPLATE TOTALS				402.22	111.73		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements B7

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

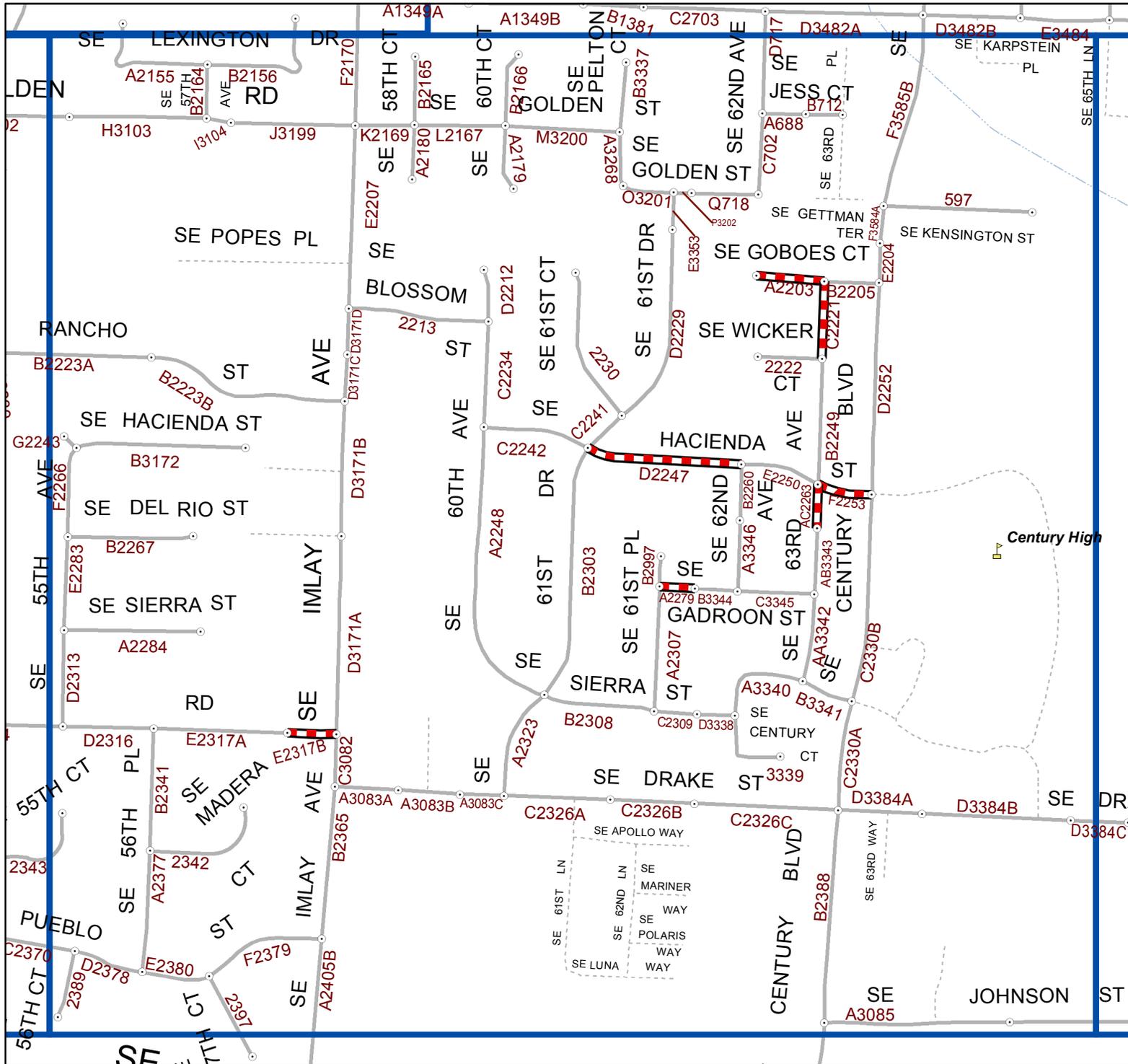
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template B7
Schedule "B": Overlays and AC Replacements
 2015 Pavement Management Program
 #20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
AC2263	SE 63RD AVE	PAVEMENT CHANGE #2032	C/L HACIENDA	13.33	2.22	(10*12)	
C2221	SE 63RD AVE	C/L WICKER CT	S/S GOBOES CT	50.33	8.39	(7*14)+(13*19)+(9*12)	
E2317B	SE DRAKE RD	END CURBS S/S #23960	W/S IMLAY AVE	24.78	6.88	(3*12)+(6*12)+(5*5)+(6*15)	5" DEEP
A2279	SE GADROON ST	E/S 61ST PL	PVMT CHNG	7.78	1.30	(7*10)	
A2203	SE GOBOES CT	C/L 63RD AVE	CDS (W)	4.00	0.67	(6*6)	IN DO: WV=2
D2247	SE HACIENDA ST	E/S 61ST DR	C/L 62ND AVE	33.33	5.56	(15*20)	
F2253	SE HACIENDA ST	C/L 63RD AVE	W/S CENTURY BLVD	7.11	1.19	(8*8)	
TEMPLATE TOTALS				140.66	26.21		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template B8

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
2228A	SE 68TH CT	N/S BLAINE ST	CDS (E)	18.67	3.11	(6*28)	
C2298	SE 74TH AVE	C/L AUGUSTA LN	C/L HACIENDA ST	34.33	5.72	(6*6)+(4*12)+(15*15)	
2299	SE AUGUSTA LN	E/S 74TH AVE	END GUTTER/ #7437	2.78	0.46	(5*5)	
B2232	SE BLAINE ST	C/L 68TH CT	W/S 70TH AVE	36.44	0.00	(5*4)+(14*22)	
3330	SE STELLA CT	E/S 70TH AVE	CDS (S)	4.00	0.67	(6*6)	
TEMPLATE TOTALS				96.22	9.96		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Templat C1
Schedule "B": Overlays and AC Replacements
 2015 Pavement Management Program
 #20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
A1907	SW ADAMS AVE	N/S WOOD ST	C/L ADAMS/SPRING (S)	11.67	3.24	(5*21)	5" DEEP
D1537	SW ADAMS AVE	N/S OAK ST	S/S BASELINE ST	12.00	3.33	(9*12)	MICRO-15; Digout is NEXT TO RR; 5" DEEP
B1823	SW SPRING ST	C/L SPRING ST (SPUR)	W/S ADAMS AVE	12.00	3.33	(6*18)	5" DEEP
C1825	SW SPRING ST	E/S ADAMS AVE	W/S 1ST AVE	27.00	7.50	(9*11)+(12*12)	5" DEEP
TEMPLATE TOTALS				62.67	17.40		

OVERLAYS

SECTION ID	STREET	FROM	TO	TREATMENT	L	W	CDS?	AREA (SQYD)	BASE & DIGOUTS		LEVEL 2, 1/2" DENSE GRADED ASPHALT 3" AC OVERLAY (TONS)	UTILITY ADJUSTMENTS					INLAY PAVEMENT MARKINGS 12" WHITE (LF)	SHOULDER ROCK (TON)	COMMENTS
									AC REMOVE (SQ YD)	AC REPLACE (TONS)		MANHOLES	WATER VALVES	CATCH BASIN	GAS VALVES	BLUE RPW'S			
B1611	HB ALLEY (1ST/ADAMS)	WALNUT ST	OAK ST	PRELEVEL, 3"OL	343	14	0	534	105.78	17.63	94.9	0	0	1	0	0	0	12.7	DIGOUTS @ WALNUT (14x58) & OAK (14x10) TO TRANSITION AT INTERSECTIONS
A1700A	SW CEDAR ST	END (W)	W/S DENNIS	3"OL	236	18	0	494	0.00	0.00	82.4	1	2	0	1	0	10	17.5	STOP BAR=1
A1700B	SW CEDAR ST	E/S DENNIS	END (E)	PRELEVEL, 3"OL	321	20	0	713	0.00	0.00	126.8	1	0	0	0	1	10	31.7	STOP BAR=1
TEMPLATE TOTALS									105.78	17.63	304.1	2	2	1	1	1	20	61.9	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements C2

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

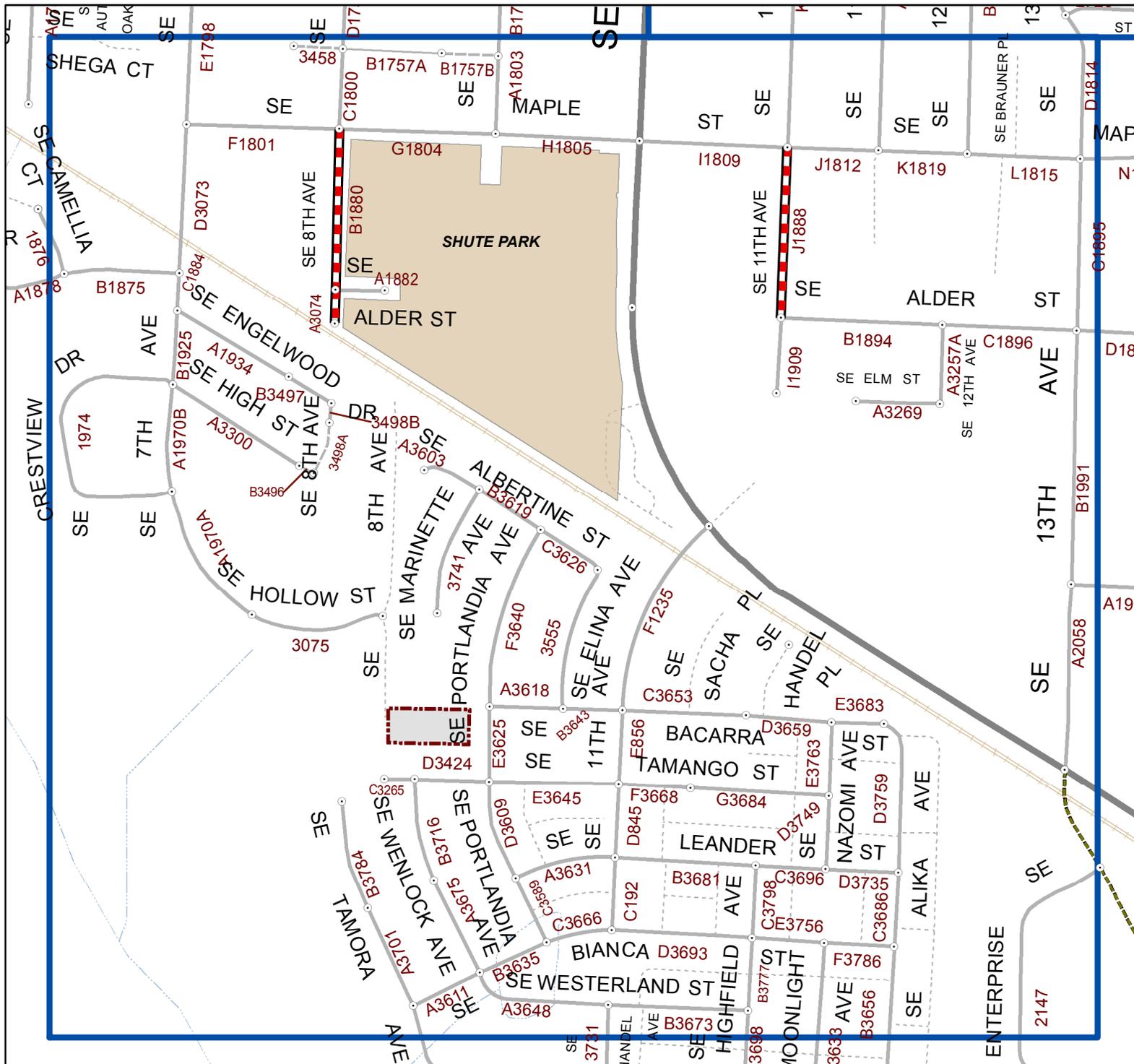
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



1 inch = 400 feet

DISCLAIMER

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Template C2

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
J1888	SE 11TH AVE	C/L ALDER ST	S/S MAPLE ST	11.11	0.00	(10*10)	
A3074	SE 8TH AVE	CUL DE SAC (S)	C/L ALDER ST	62.22	10.37	(16*35)	IN DO: MH=1
B1880	SE 8TH AVE	C/L ALDER ST	S/S MAPLE ST	13.33	2.22	(8*15)	IN DO: BRPM=1
TEMPLATE TOTALS				86.66	12.59		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements C6

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

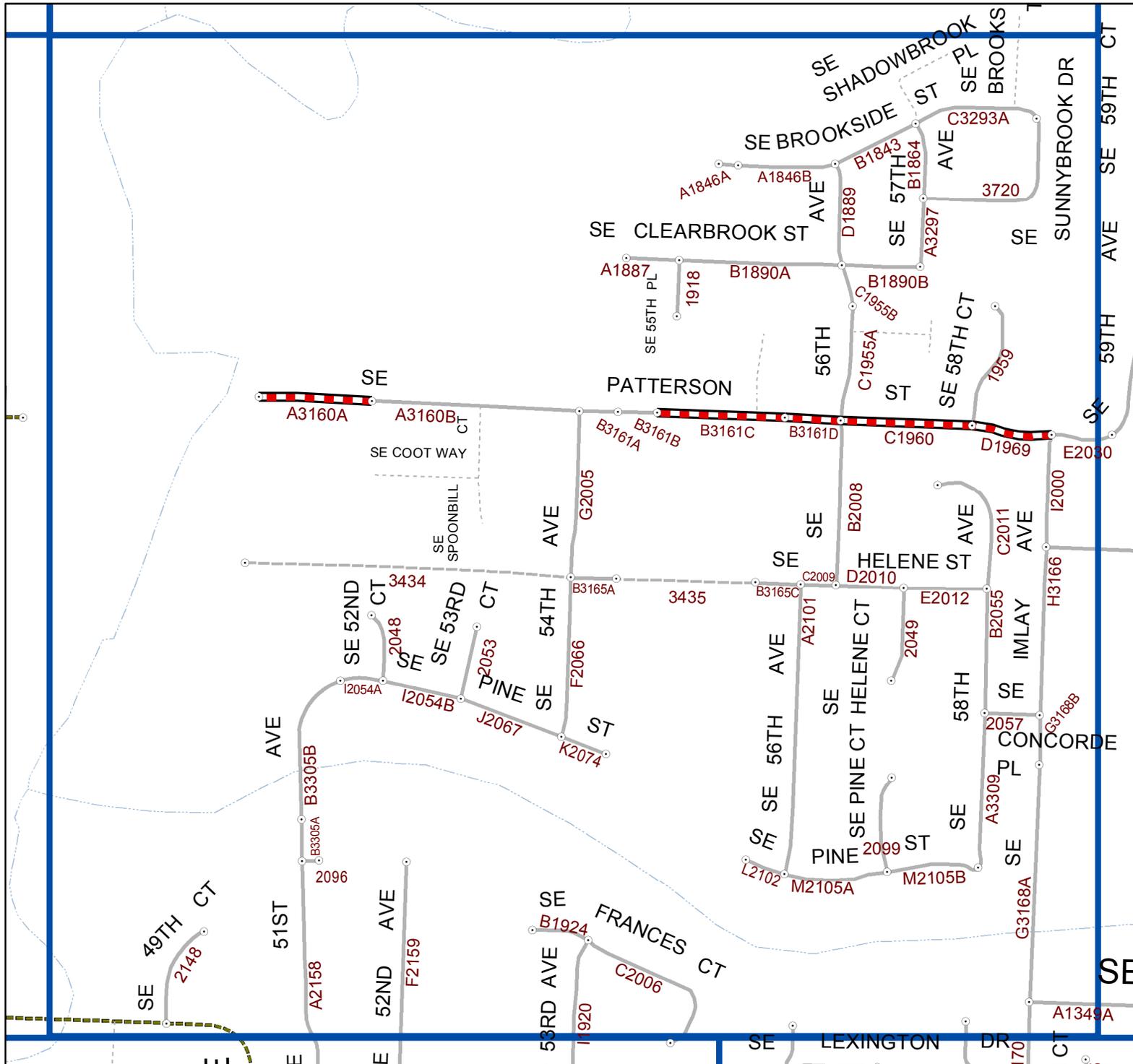
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template C6

Schedule "B": Overlays and AC Replacements

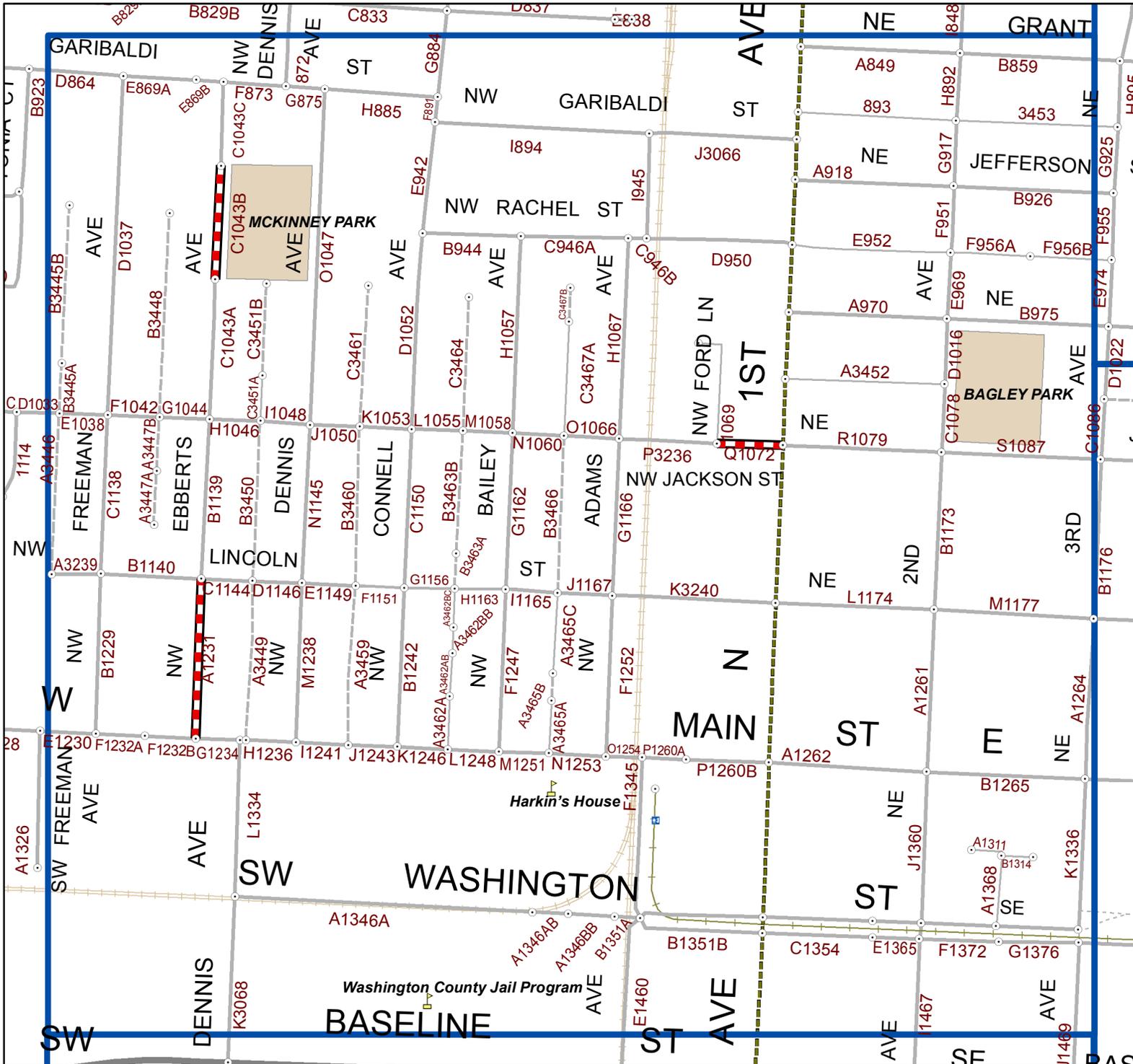
2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
A3160A	SE PATTERSON ST	DEAD END (W)	BEGIN C/G SOUTH	80.56	13.43	(5*145)	
B3161C	SE PATTERSON ST	END C/G (S)	BEGIN C/G BOTH	29.33	4.89	(6*14)+(6*30)	
B3161D	SE PATTERSON ST	BEGIN C/G BOTH	C/L 56TH AVE	76.89	12.81	(10*42)+(8*34)	
C1960	SE PATTERSON ST	C/L 56TH AVE	C/L 58TH CT	114.89	19.15	(11*22)+(6*38)+(6*12)+(6*82)	
D1969	SE PATTERSON ST	C/L 58TH CT	W/S IMLAY AVE	6.00	1.00	(6*9)	
TEMPLATE TOTALS				307.67	51.28		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
 #20552222-6102

Schedule "B" Overlays & AC Replacements D1

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template D1

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
A1231	NW EBBERTS AVE	N/S WEST MAIN	S/S LINCOLN	45.00	10.00	(15*27)	4" DEEP
C1043B	NW EBBERTS AVE	BEG OF CURB/#372	END OF CURB/#456	49.11	10.91	(7*7)+(8*36)+(7*15)	4" DEEP
Q1072	NW JACKSON ST	C/L FORD LN	W/S 1ST AVE	96.44	26.79	(16*34)+(9*12)+(9*24)	5" DEEP; IN DO: MH=1 & R = 1; 12"W=25FT
TEMPLATE TOTALS				190.55	47.70		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements D2

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement

Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

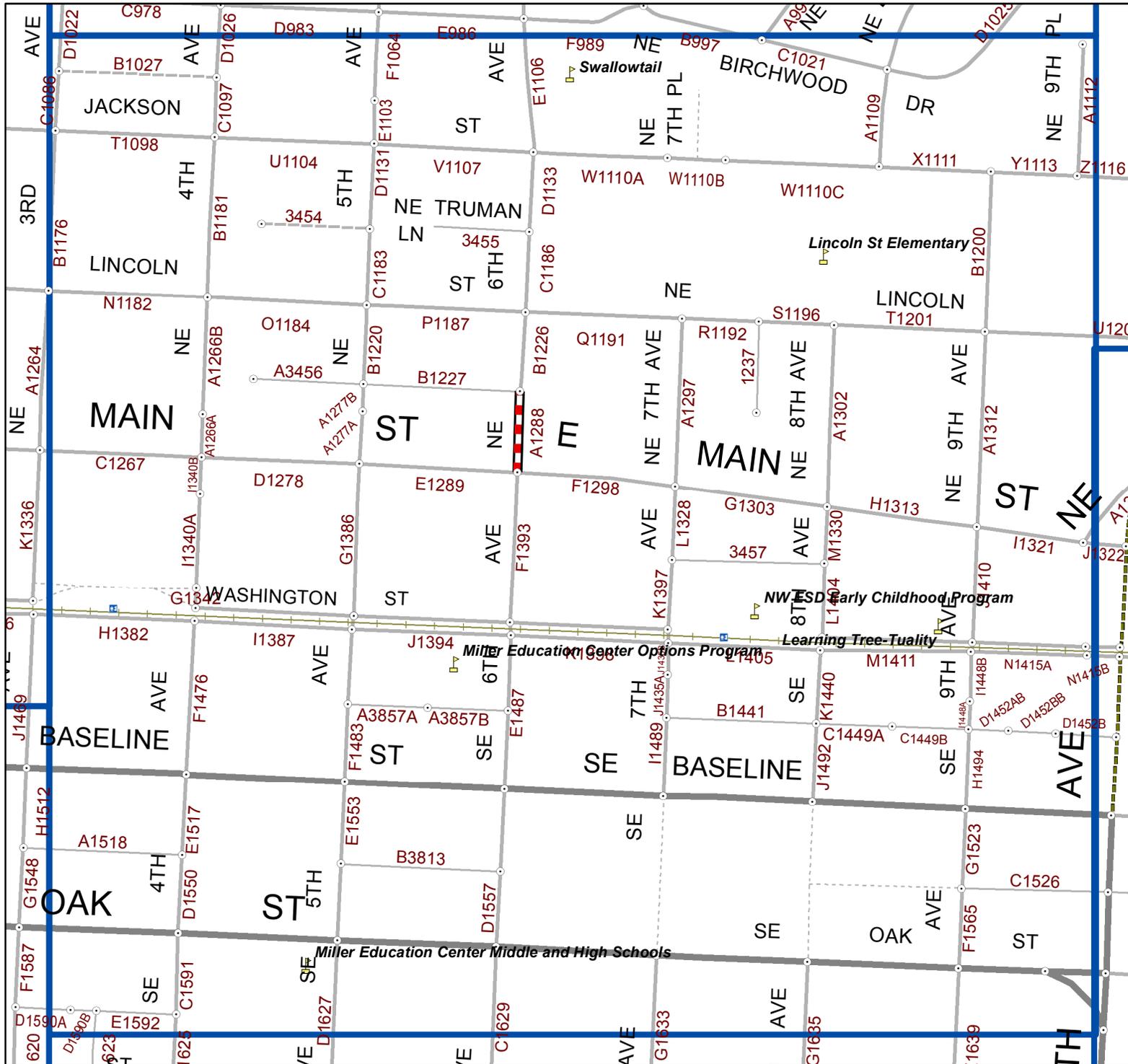
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template D2

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
A1288	NE 6TH AVE	N/S E MAIN ST	C/L MAIN-LINCOLN ALY	66.00	18.33	(9*30)+(9*21)+(9*15)	MICRO-15; 5" DEEP
TEMPLATE TOTALS				66.00	18.33		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements D3

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

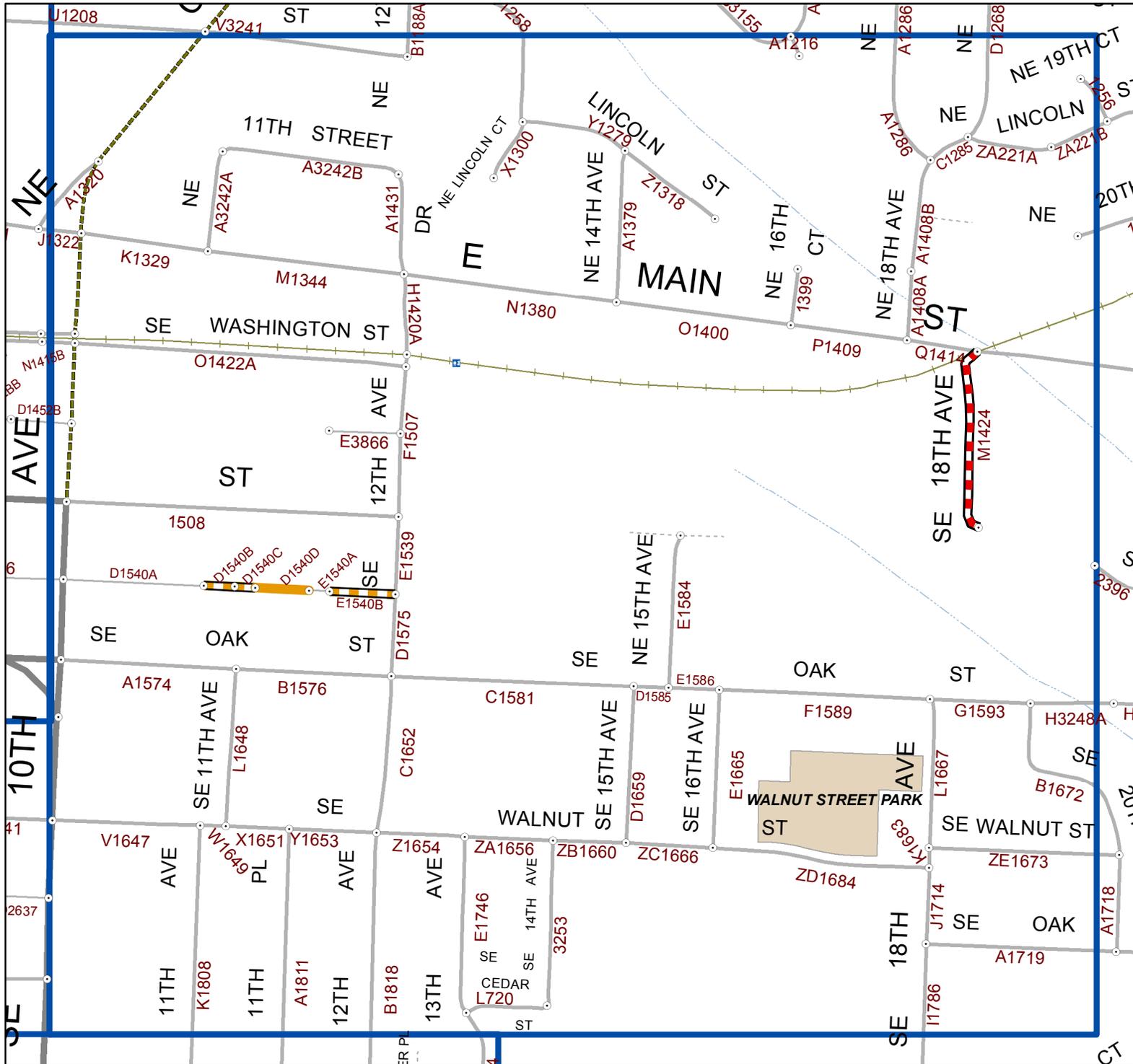
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template D3

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program
#20552222-6102

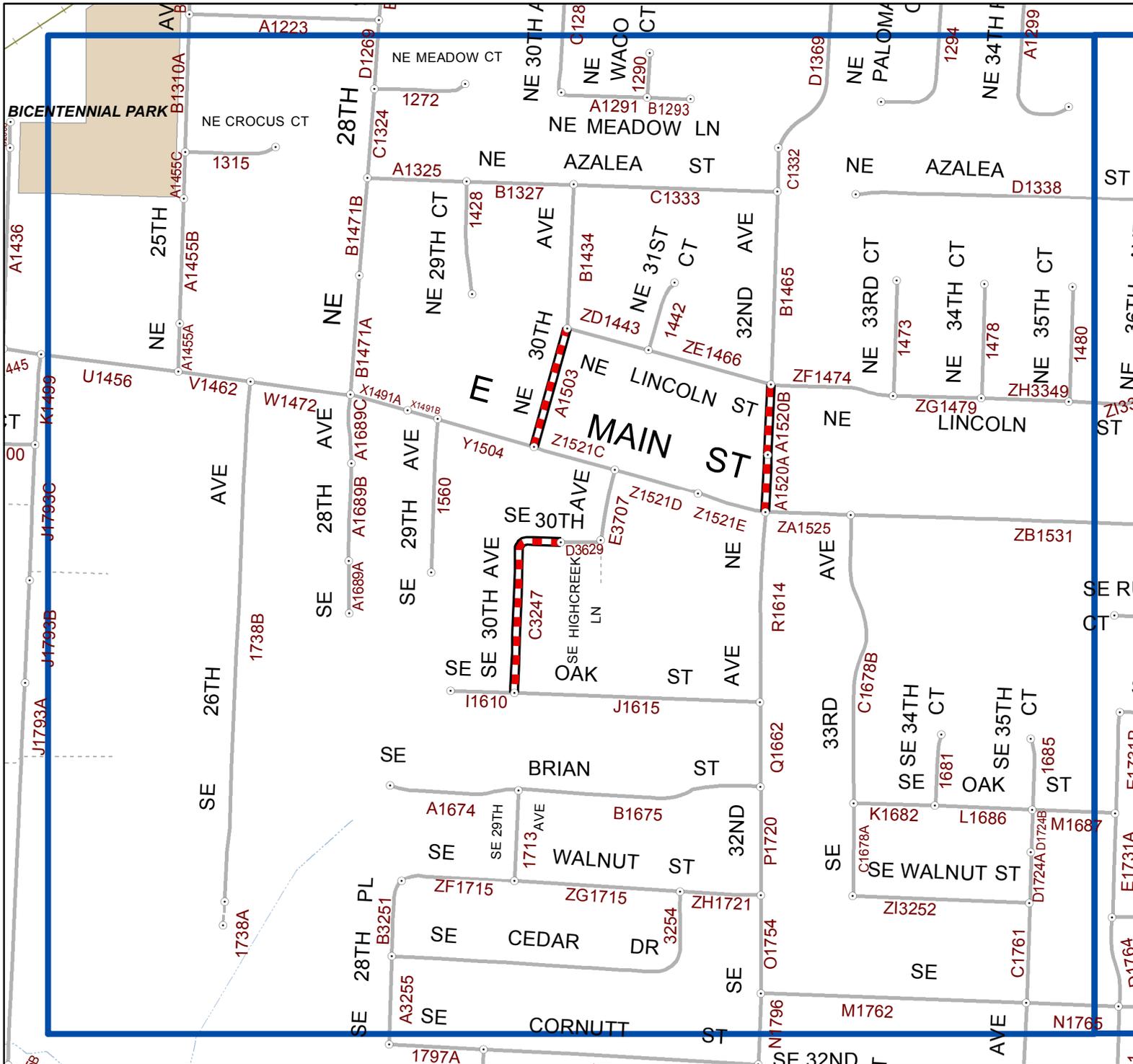
AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
M1424	SE 18TH AVE	END PVMT (S)	S/S MAIN	300.22	83.40	(14*193)	5" DEEP
TEMPLATE TOTALS				300.22	83.40		

OVERLAYS

SECTION ID	STREET	FROM	TO	TREATMENT	L	W	CDS?	AREA (SQYD)	BASE & DIGOUTS		LEVEL 2, 1/2" DENSE GRADED ASPHALT 2" AC OVERLAY (TONS)	UTILITY ADJUSTMENTS		NEW SURVEY MONUMENT BOX (EA)	SHOULDER ROCK (TON)	PCC DRIVEWAYS, CURB/GUTTER & SIDEWALK		COMMENTS
									AC REMOVE (SQ YD)	AC REPLACE (TONS)		MANHOLES	CATCH BASIN			REMOVE/REPLACE COMMERCIAL PCC DRIVEWAY W/TRUNCATED DOMES (SF)	REPLACE SIDEWALK (SF)	
D1540B	HB ALLEY (BASELINE/OAK)	E/S BLDG #1077	W P/L #1104	PRELEVEL, 2"OL	98	20	0	268	0.00	0.00	37.3	0	1	2	3.6	0	0	2 PINS NEED MON BOXES
D1540C	HB ALLEY (BASELINE/OAK)	W P/L #1104	E P/L #1104	PRELEVEL, 2"OL	74	20	0	164	0.00	0.00	22.8	0	0	0	2.7	0	0	
D1540D	HB ALLEY (BASELINE/OAK)	E P/L #1104	BEG PCC	2"OL	141	12	0	188	0.00	0.00	20.9	0	0	0	10.4	0	0	
E1540B	HB ALLEY (BASELINE/OAK)	END PCC	W/S 12TH	PRELEVEL, 2"OL	166	20	0	454	37.78	6.30	70.7	1	1	0	6.1	210	115	DIGOUT @ 12TH TO TRANSITION AT INTERSECTION; DRIVEWAY HAS WATER METER, MH, MAILBOXES AND STREET SIGN
TEMPLATE TOTALS									37.78	6.30	151.7	1	2	2	22.8	210	115	

Note: Sections that are on the edge of a template were generally assigned to the template where the section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements D4

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template D4

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program
#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
A1503	NE 30TH AVE	N/S E MAIN ST	C/L LINCOLN ST	47.00	10.44	(13*21)+(10*15)	4" DEEP
A1520A	NE 32ND AVE	N/S E MAIN ST	END GUTTER/#117	30.00	8.33	(9*30)	5" DEEP
A1520B	NE 32ND AVE	END GUTTER/#117	C/L LINCOLN ST	70.00	19.44	(10*63)	5" DEEP
C3247	SE 30TH AVE	S/S OAK ST	PAVEMENT CHANGE	130.44	21.74	(8*14)+(6*12)+(5*5)+(6*15)+(5*5) +(5*32)+(10*69)	
TEMPLATE TOTALS				277.44	59.95		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template D5

Schedule "B": Overlays and AC Replacements

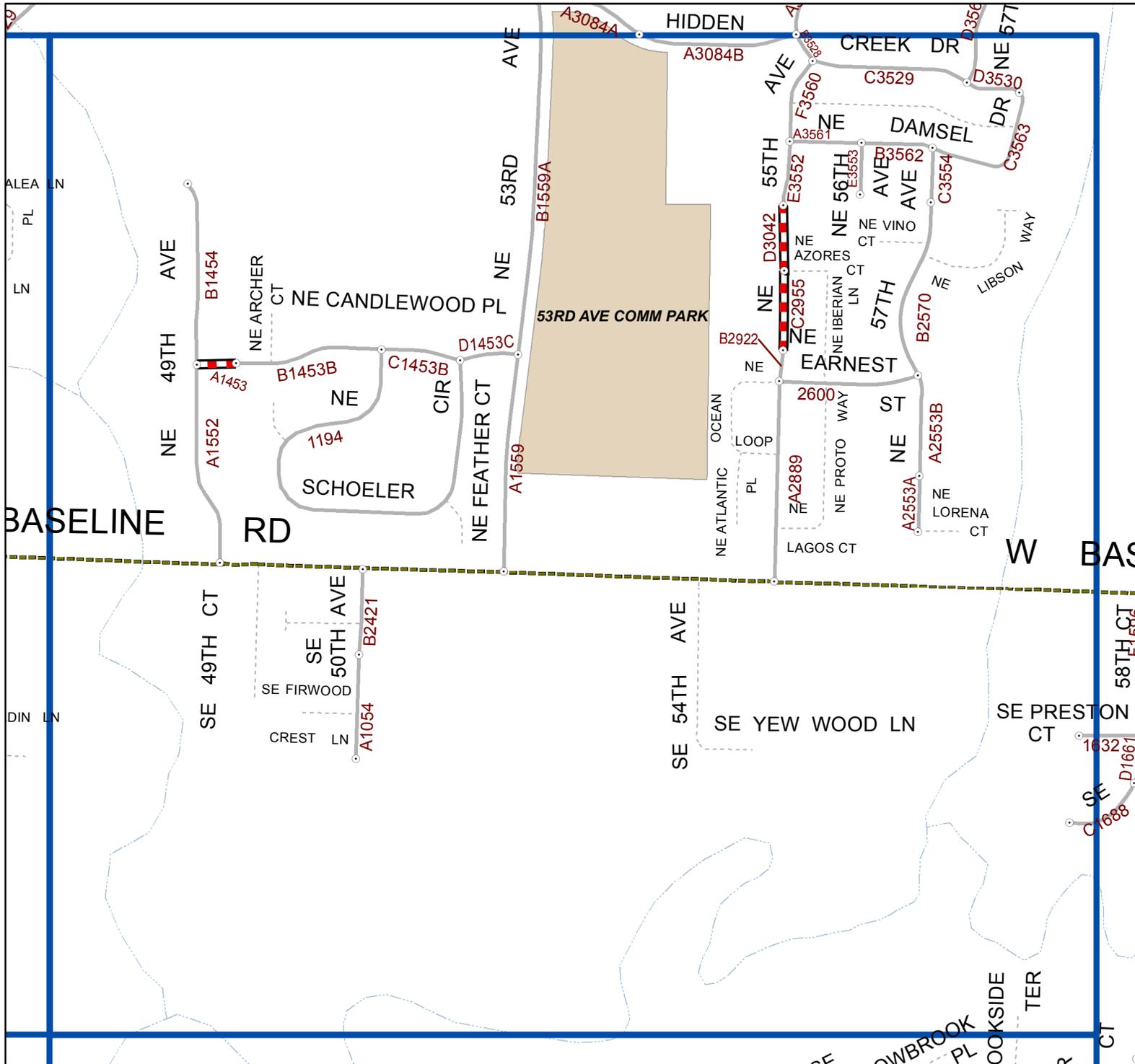
2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
D1699	SE 41ST AVE	C/L OAK ST	C/L 41ST AVE (SPUR)	17.22	2.87	(6*12)+(4*12)+(5*7)	
E1638	SE 41ST AVE	C/L 41ST AVE (SPUR)	C/L RUSSELL ST	78.67	13.11	(6*9)+(6*13)+(8*72)	
F1594	SE 41ST AVE	C/L RUSSELL ST	S/S EAST MAIN ST	201.33	33.56	(30*54)+(12*16)	
TEMPLATE TOTALS				297.22	49.54		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements D6

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



1 inch = 400 feet

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Template D6

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
C2955	NE 55TH AVE	(S) P/L #177	C/L AZORES	33.22	5.54	(13*23)	
D3042	NE 55TH AVE	C/L AZORES	31' N OF N P/L #219	30.67	5.11	(12*23)	
A1453	NE CANDLEWOOD PL	E/S 49TH AVE	BEGIN MOUNTABLE CURB	1.00	0.17	(3*3)	
TEMPLATE TOTALS				64.89	10.82		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements E2

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

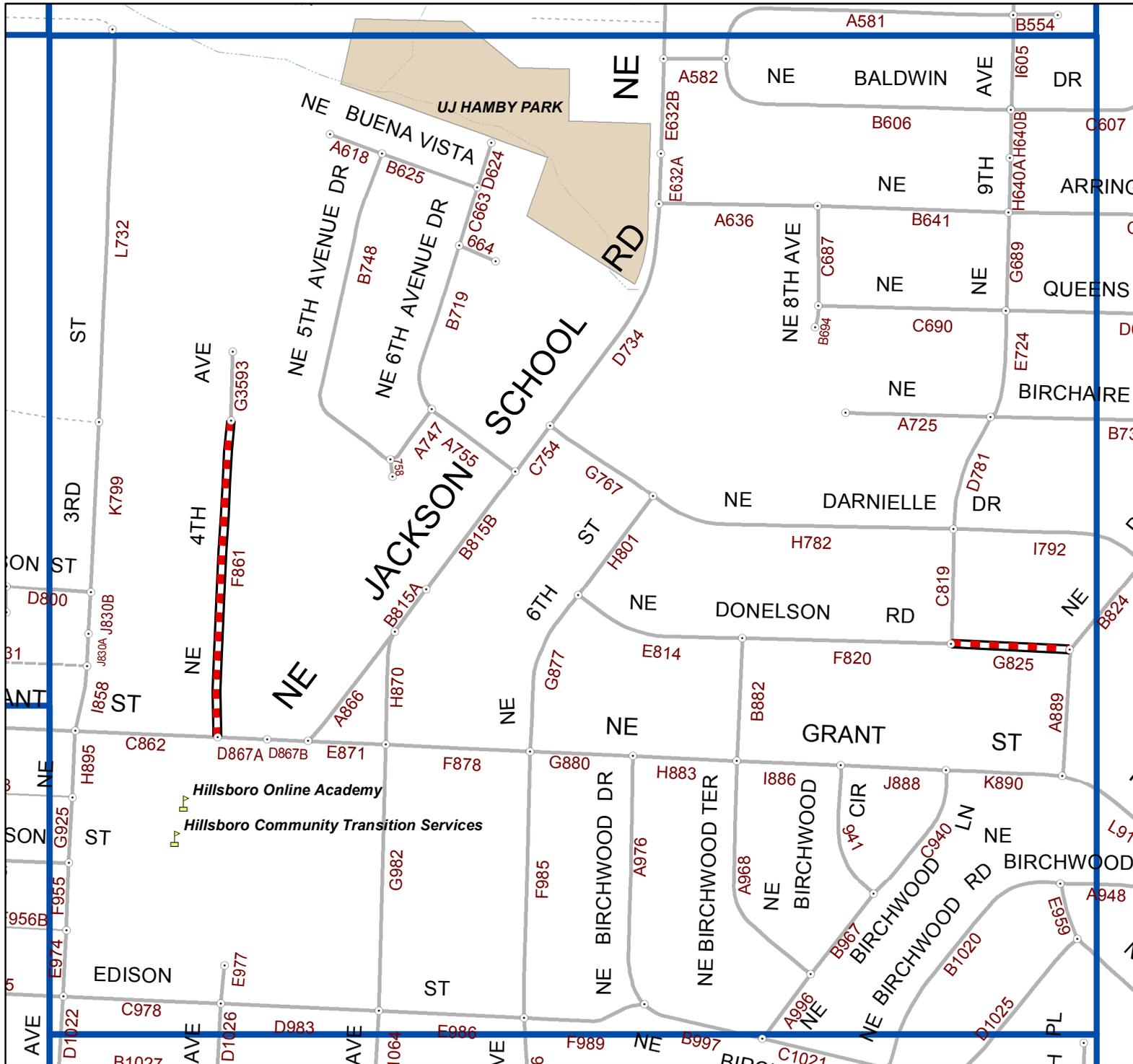
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template E2

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
F861	NE 4TH AVE	N/S GRANT ST	PAVEMENT CHANGE	118.67	19.78	((9*40)+(6*118)	
G825	NE DONELSON RD	C/L 9TH AVE	W/S DELSEY RD	7.11	1.19	(8*8)	8x8 DIGOUT on corner of 9th
TEMPLATE TOTALS				125.78	20.97		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements E8

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

Level 2 Overlays

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

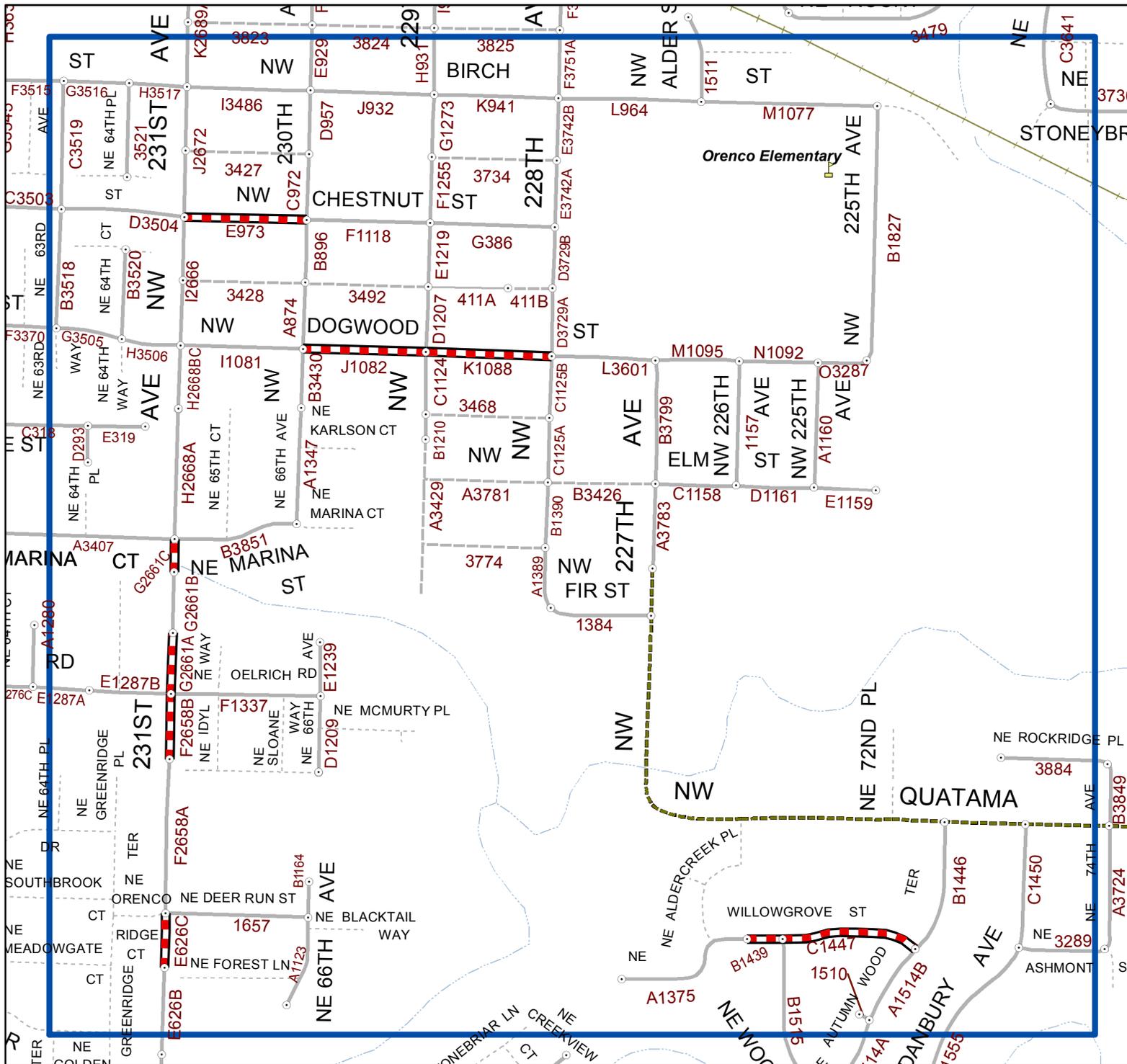
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template E8

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	5" GRIND (SQYD)	COMMENTS
B1439	NE WILLOWGROVE ST	PAVEMENT CHANGE	C/L WOODSONG ST	5.44	0.91	(7*7)		
C1447	NE WILLOWGROVE ST	C/L WOODSONG ST	W/S AUTUMNWOOD TER	16.00	2.67	(6*24)		DO @ DW#6947
E626C	NW 231ST AVE	END MEDIAN	C/L DEER RUN ST	29.56	8.21	(14*19)		5" DEEP
F2658B	NW 231ST AVE	BEG C/G (E)	C/L OELRICH RD		157.53		567	GRIND LANE; IN DO: 4"Y=270, 8"W=198, YRPM=7, BIKE=1, GV=1, MON=1, MH=1
G2661A	NW 231ST AVE	C/L OELRICH RD	END C/G (E)		8.15		29	GRIND LANE
G2661C	NW 231ST AVE	BEG C/G (E)	127FT N C/L MARINA CT		280.25		1009	GRIND AREA; IN DO: 4"Y=394FT, 8"W=338FT, GV=1, WV=2, YRPM=9, BIKE=2, GTE=1
E973	NW CHESTNUT ST	E/S 231ST AVE	C/L 230TH AVE	24.00	4.00	(6*36)		
J1082	NW DOGWOOD ST	C/L 230TH AVE	C/L 229TH AVE	49.78	8.30	(8*38)+(9*16)		
K1088	NW DOGWOOD ST	C/L 229TH AVE	W/S 228TH AVE	110.00	18.33	(11*30)+(4*10)+(20*31)		IN DO: 12"W = 60FT
TEMPLATE TOTALS				234.78	488.35		1605	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template E9

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
A3286A	NW 206TH AVE	S/S WILKINS	PVMT CHANGE	33.33	9.26	(10*30)	5" DEEP; IN DO: WV=1 (TVWD)
K3284A	NW CHERRY LN	E/S CORNELIUS PASS RD	WIDTH CHANGE	49.33	13.70	(6*6)+(6*32)+(14*12)+(4*12)	5" DEEP; IN DO: 4"Y = 24FT, MH=1
TEMPLATE TOTALS				82.66	22.96		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.

Template F1

Schedule "B": Overlays and AC Replacements

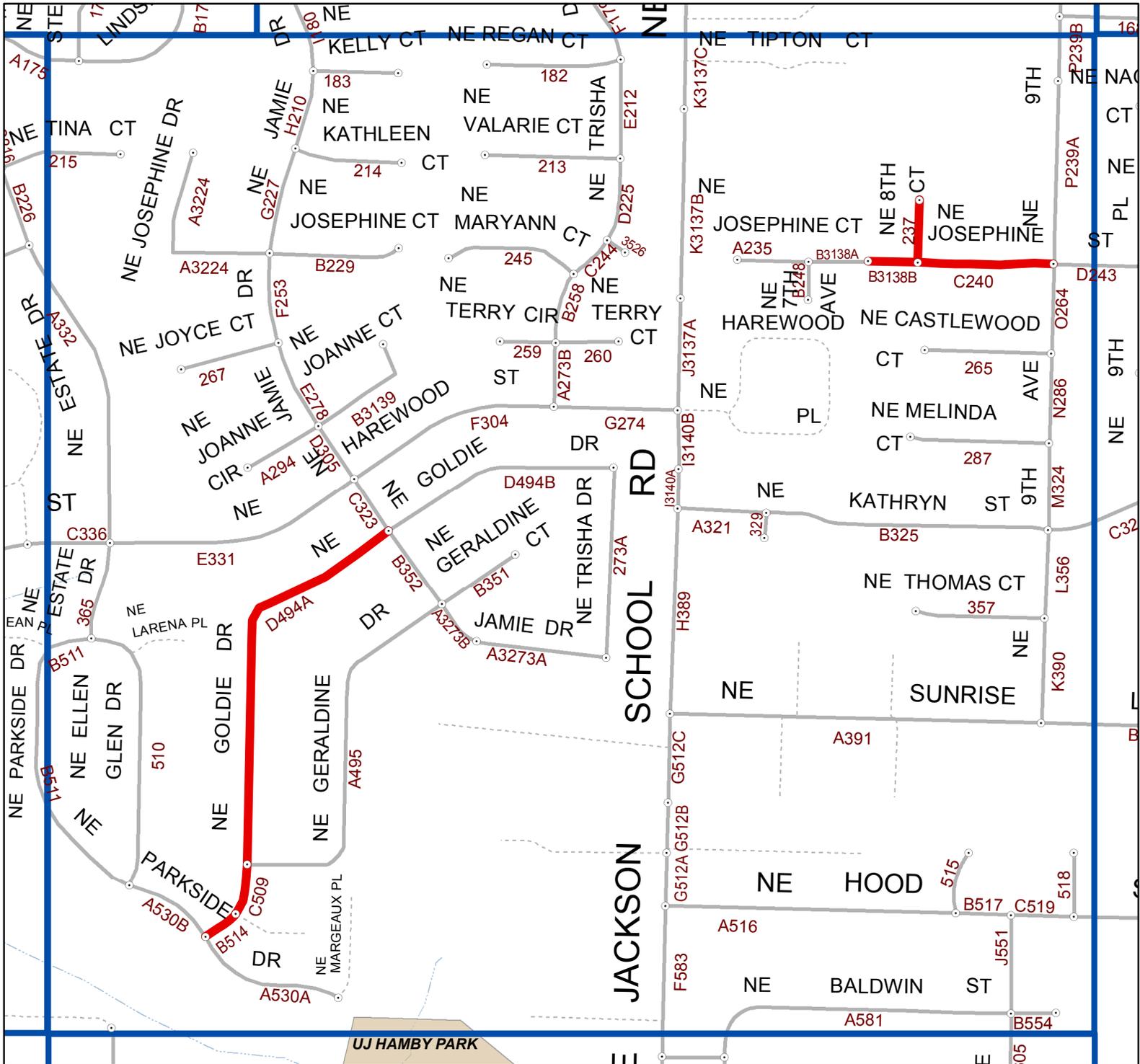
2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
C256	NE CORY ST	E/S GLENCOE RD	C/L SUNDOWN CT	24.00	4.00	(12*18)	
D262	NE CORY ST	C/L SUNDOWN CT	W/S 2ND AVE	9.00	1.50	(9*9)	
TEMPLATE TOTALS				33.00	5.50		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements F2

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement

Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



1 inch = 400 feet

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Template F2
Schedule "B": Overlays and AC Replacements
 2015 Pavement Management Program
 #20552222-6102

OVERLAYS

SECTION ID	STREET	FROM	TO	TREATMENT	L	W	CDS?	AREA (SQYD)	BASE & DIGOUTS	GRINDING	LEVEL 2, 1/2" DENSE GRADED ASPHALT	UTILITY ADJUSTMENTS	NEW SURVEY MONUMENT BOX (EA)	BLUE RPM'S	INLAY PAVEMENT MARKINGS	COMMENTS
									SUBGRADE STABILIZATION (CU.YD.)	2" FULL WIDTH GRIND (SQ.YD.)	2.5" AC OVERLAY (TONS)	MANHOLES			12" WHITE (LF)	
237	NE 8TH CT	N/S JOSEPHINE ST	CUL DE SAC	2"FWG, 2.5"OL	90	30	1	858	0.0	858	118.4	1	0	0	0	CB IN PCC=1
B514	NE GOLDIE DR	17FT N NE/S PARKSIDE	C/L JACKSON VILLAGE LP	2"FWG, 2.5"OL	88	34	0	332	0.0	332	45.9	0	2	0	0	CB IN PCC=2; 2 PINS NEED MON BOXES
C509	NE GOLDIE DR	C/L JACKSON VILLAGE LP	C/L GERALDINE DR	2"FWG, 2.5"OL	43	34	0	162	0.0	162	22.4	4	0	1	0	CB IN PCC=1
D494A	NE GOLDIE DR	C/L GERALDINE DR	JAMIE DR	2"FWG, 2.5"OL	1184	34	0	4676	77.9	4676	645.0	9	0	3	0	CB IN PCC=6; ADDED AREA @ GERALDINE AND JAMIE
B3138B	NE JOSEPHINE ST	PVMT CHNG (E) P/L #798	C/L 8TH CT	2"FWG, 2.5"OL	142	30	0	473	0.0	473	65.3	0	0	0	0	
C240	NE JOSEPHINE ST	NE 8TH CT	13FT W W/S 9TH AVE	2"FWG, 2.5"OL	370	30	0	1233	0.0	1233	170.1	2	0	1	15	CB IN PCC=3
TEMPLATE TOTALS									77.9	7734	1067.1	16	2	5	15	

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent template if quantity information is missing.

Schedule "B" Overlays & AC Replacements F7

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

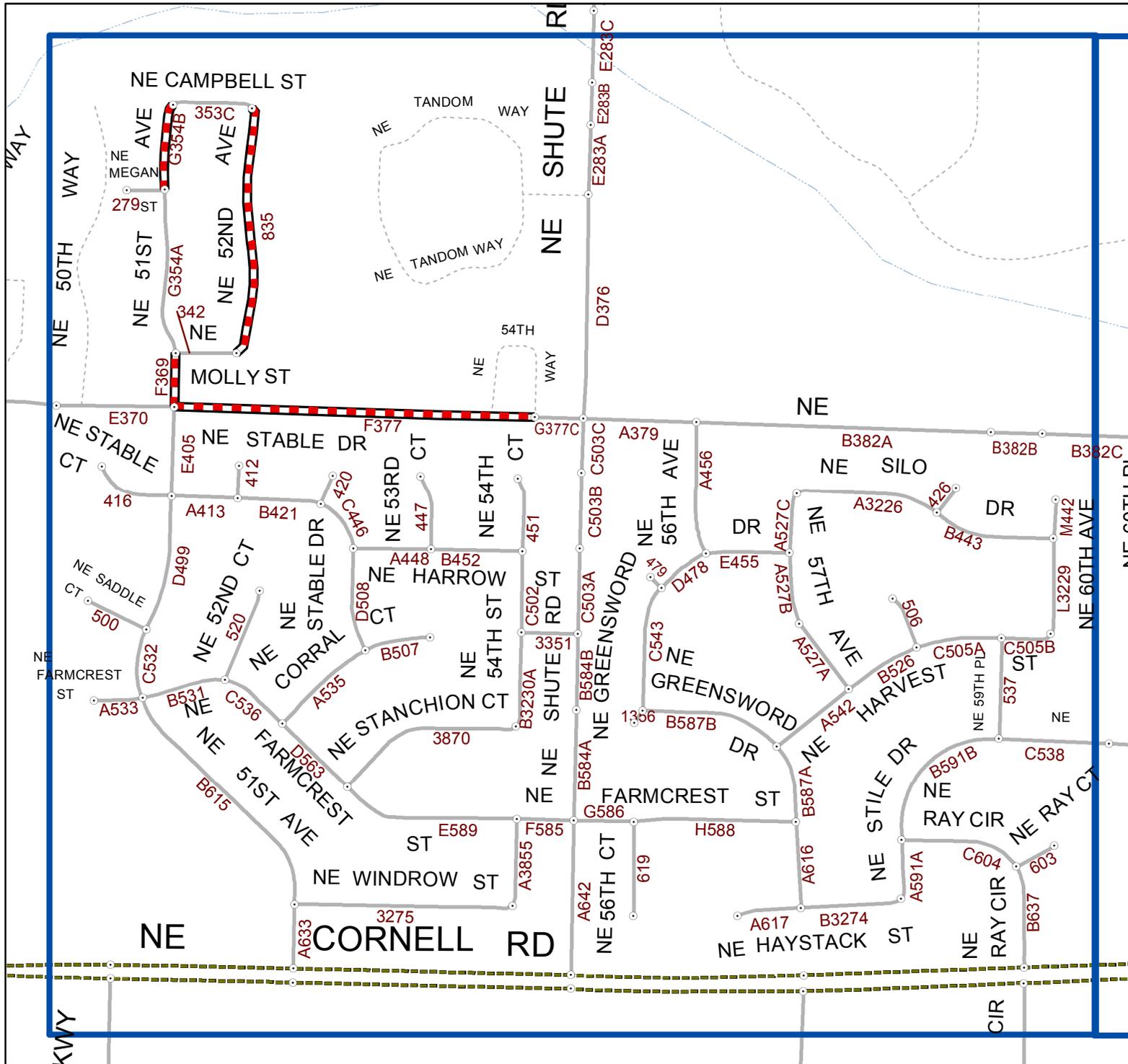
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template F7
Schedule "B": Overlays and AC Replacements
 2015 Pavement Management Program
 #20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
F369	NE 51ST AVE	N/S AIRPORT RD	C/L MOLLY	6.00	1.00	(6*9)	
G354B	NE 51ST AVE	C/L MEGAN ST	CAMPBELL ST	12.67	2.11	(6*19)	
835	NE 52ND AVE	MOLLY ST	CAMBELL ST	22.67	3.78	(6*22)+(6*12)	(6x22) @ #2077 AND (6x12) @ #2001
F377	NE AIRPORT RD	C/L 51ST AVE	BEG PCC	200.44	55.68	(9*16)+(12*12)+(5*42)+(5*33)+(12*15) +(9*12)+(12*69)+(5*5)	5" DEEP ; All Digouts in Eastbound lane
TEMPLATE TOTALS				241.78	62.57		

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2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements F8

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

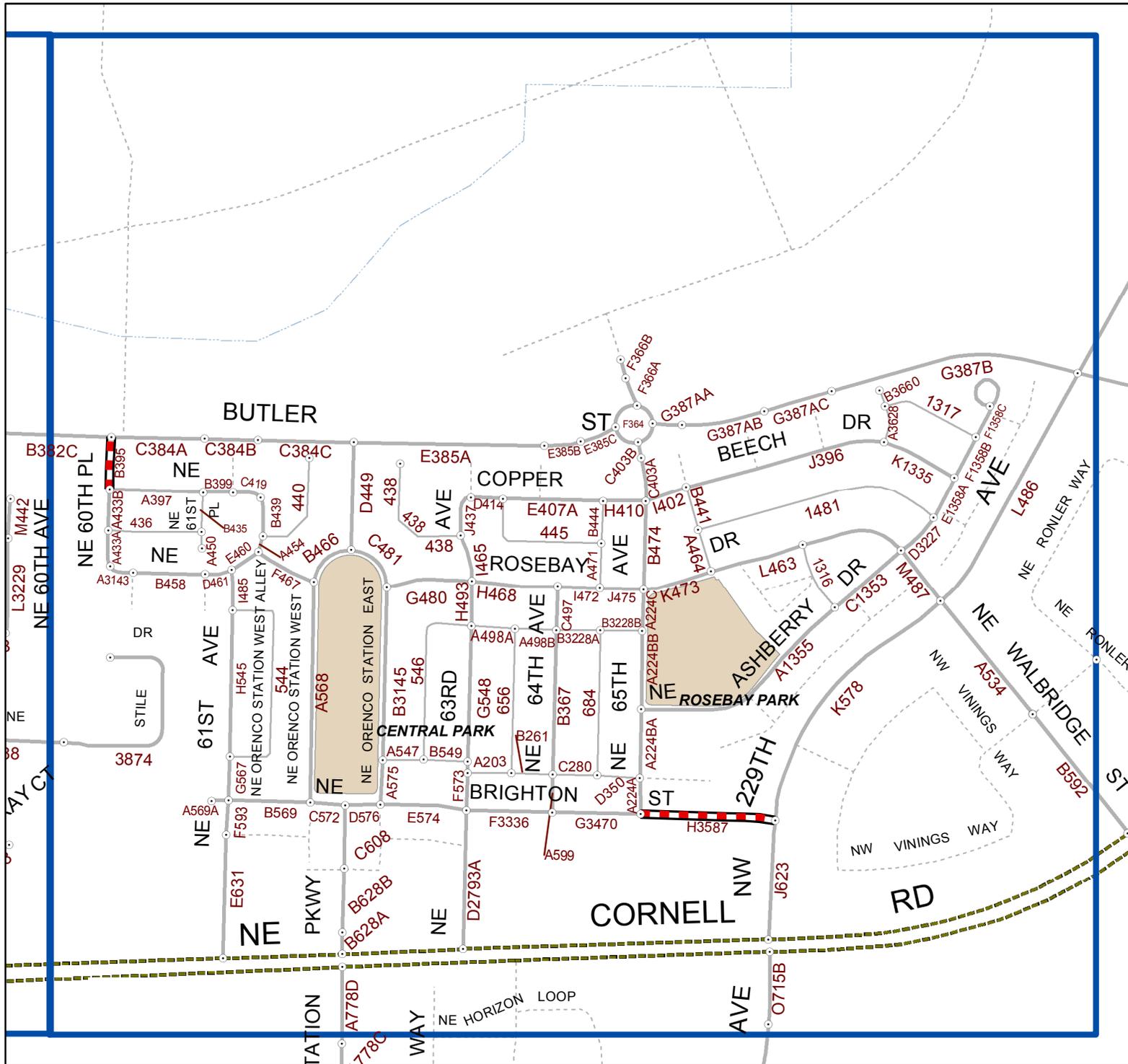
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template F8

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
B395	NE 60TH PL	C/L COPPERBEECH DR	N/S BUTLER RD	5.44	0.91	(7*7)	IN DO: MH=1
H3587	NE BRIGHTON ST	C/L 65TH AVE	W/S 229TH AVE	144.44	40.12	(18*50)+(20*20)	IN DO: 12" W= 13FT; 5" DEEP
TEMPLATE TOTALS				149.88	41.03		

Note: Sections that are on the edge of a template were generally assigned to the template where the Section ID is displayed. Check adjacent templates if quantity information is missing.



2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements F9

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

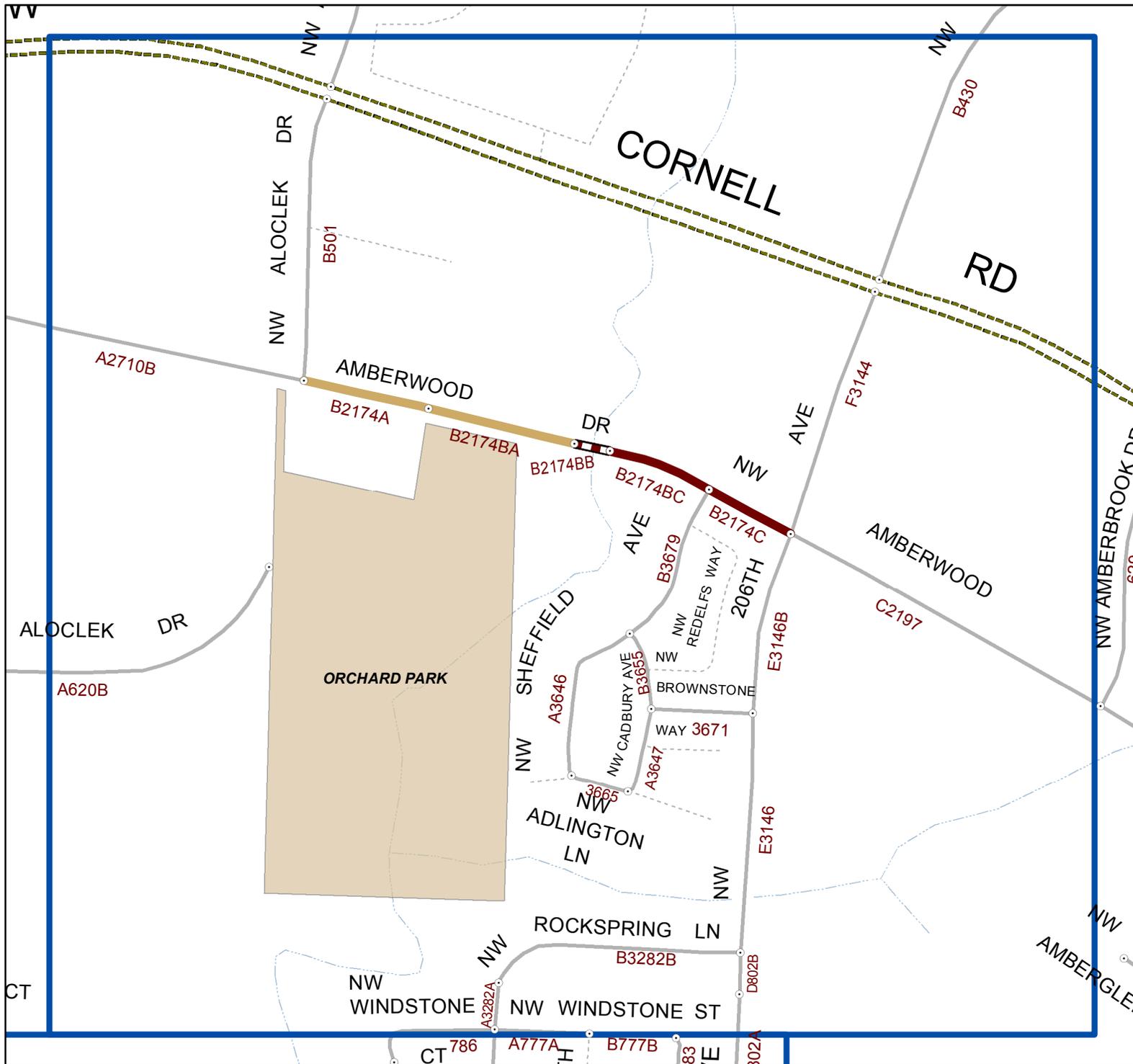
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template F9
Schedule "B": Overlays and AC Replacements
 2015 Pavement Management Program
 #20552222-6102

OVERLAYS

SECTION ID	STREET	FROM	TO	TREATMENT	L	W	DS	AREA (SQYD)	BASE & DIGOUTS			GRINDING			LEVEL 2, 1/2" DENSE GRADED ASPHALT		UTILITY ADJUSTMENTS			RPM'S			INLAY PAVEMENT MARKINGS				PCC DRIVEWAYS, CURB/GUTTER & SIDEWALK		COMMENTS		
									SUBGRADE STABILIZATION (CU.YD.)	AC REMOVE (SQ.YD)	AC REPLACE (TONS)	2" FULL WIDTH GRIND (SQ.YD.)	3" FULL WIDTH GRIND (SQ.YD.)	4" FULL WIDTH GRIND (SQ.YD.)	2" AC OVERLAY (TONS)	3" AC OVERLAY (TONS)	MANHOLES	WATER VALVES	GAS VALVES	BLUE RPM	YELLOW RPM	WHITE RPM	12" WHITE (LF)	4" YELLOW (LF)	8" WHITE (LF)	LEFT TURN ARROW (EA)	BIKE SYMBOL W/ARROW (EA)	REMOVE/REPLACE CURB (LF)		REPLACE SIDEWALK (SF)	
B2174A	NW AMBERWOOD DR	24FT E C/L ALOCLEK DR	BEG C/G (S)	4"FWG, 4"OL	357	38	0	1507	25.1	30.68	5.11	0	0	1507	335.0	0.0	2	1	0	1	8	0	0	0	692	703	0	2	0	0	CB IN PCC=1; ADJUST STRIPING TO ADD BIKE LANE ON S/S AND ADD 2 BIKE SYMBOLS; WV ARE TVWD
B2174BA	NW AMBERWOOD DR	BEG C/G (S)	END C/G @ BRIDGE (W)	4"FWG, 4"OL	432	47	0	2256	0.0	45.65	7.61	0	0	2256	501.3	0.0	4	2	1	0	23	0	182	1316	864	2	1	0	0	CB IN PCC=2; ONLY NEED 1 BIKE SYMBOL AND ADD 2 LTAs IN CENTER LANE; WV ARE TVWD; ADD 3-LANE HI-VIS XING PER PARKS PROJECT	
B2174BB	NW AMBERWOOD DR	END C/G @ BRIDGE (W)	BEG C/G @ BRIDGE (E)	2"FWG, 2" OL	107	50	0	594	0.0	0.00	0.00	594	0	0	66.0	0.0	0	0	0	0	6	0	0	0	274	214	0	0	2	10	SAWCUT & SEAL BRIDGE JOINTS (2x50); 2FT CURB & 2x5 SECTION SIDEWALK REMOVE/REPLACE NEAR INLET @ NW END BRIDGE
B2174BC	NW AMBERWOOD DR	BEG C/G @ BRIDGE (E)	C/L SHEFFIELD AVE	3"FWG, 3"OL	298	47	0	1556	0.0	31.66	5.28	0	1556	0	0.0	259.4	1	0	0	1	14	0	0	0	654	555	2	1	0	0	CB IN PCC=5; MOVE N/S BIKE SYMBOL CLOSER TO SHEFFIELD; ADD 2 LTAs IN CENTER LANE
B2174C	NW AMBERWOOD DR	C/L SHEFFIELD AVE	(W) CURBLINE 206TH AV	3"FWG, 3"OL	245	48	0	1338	0.0	27.29	4.55	0	1338	0	0.0	223.0	1	1	0	1	16	8	162	430	552	4	2	0	0	WV ARE TVWD; 3-LANE X-WALK; REMOVE THRU/RT ARROWS; ADD 2- 4" YELLOW SKIPS NEAR SHEFFIELD; ADD ANOTHER LTA AT SHEFFIELD; CITY TO INSTALL CAMERAS @ 206TH	
TEMPLATE TOTALS									25.1	135.28	22.55	594	2894	3763	902.3	482.4	8	4	1	3	67	8	344	3366	2888	8	6	2	10		

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2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements G1

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement



Level 2 Overlays

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

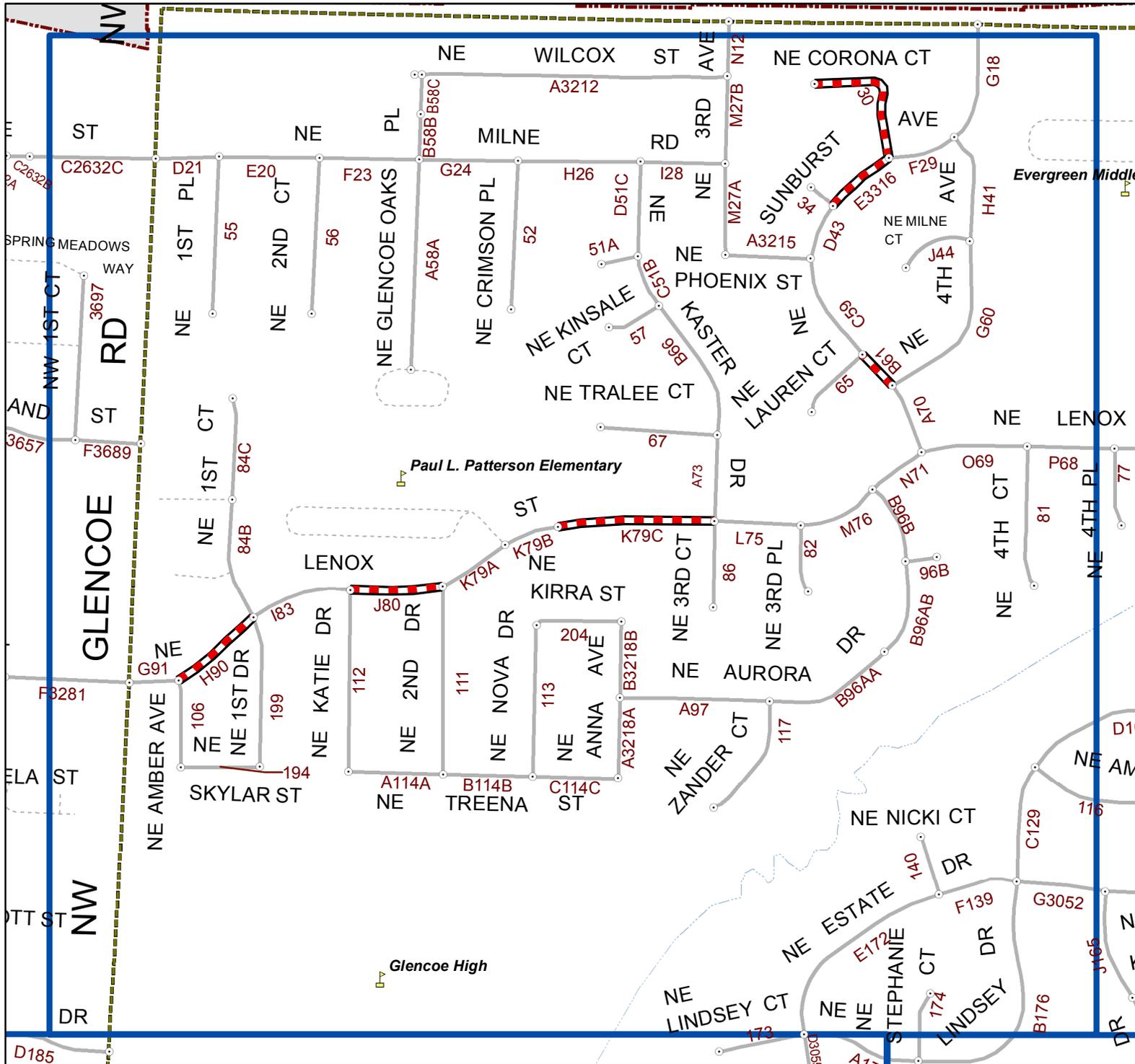
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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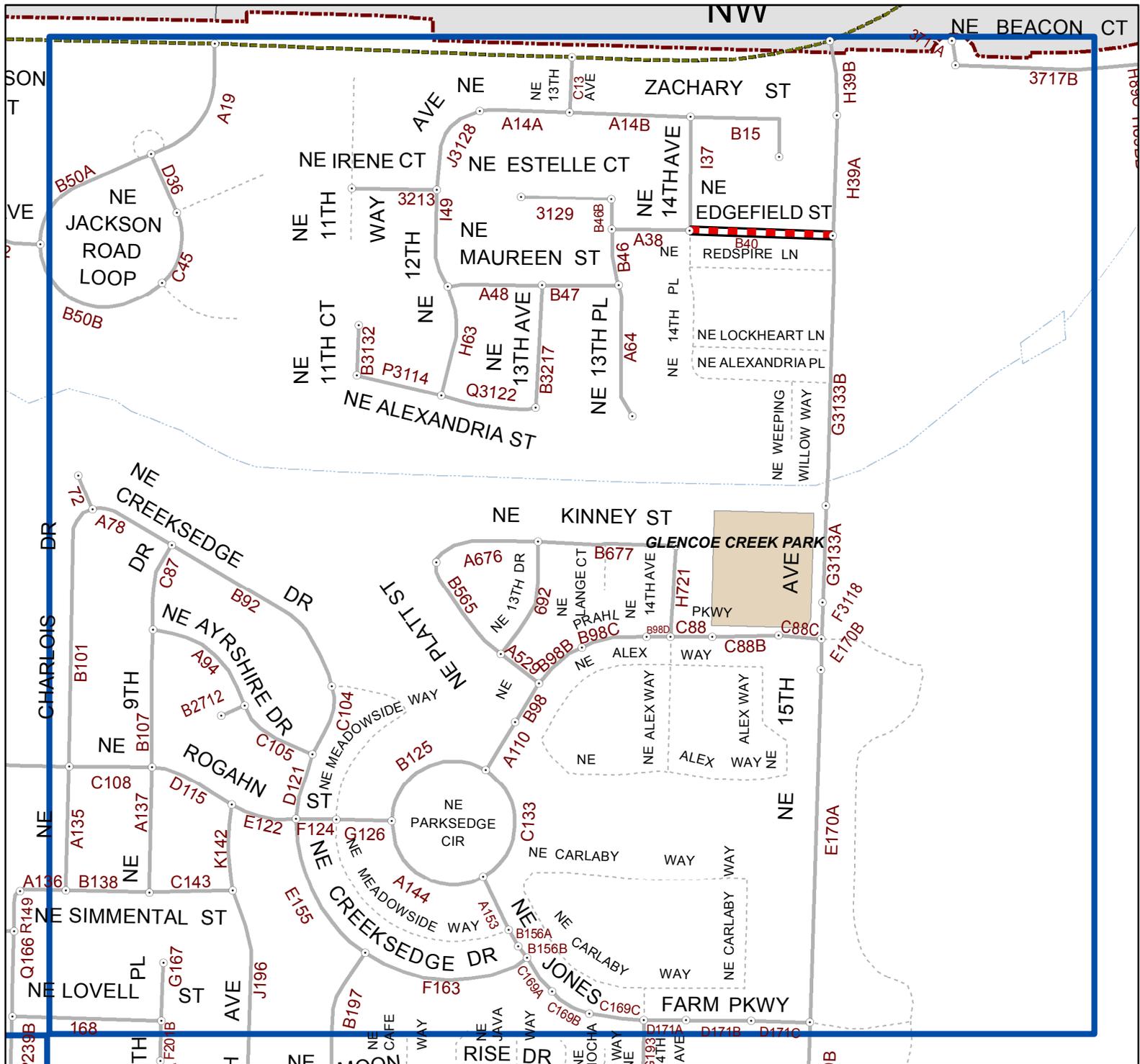


Template G1
Schedule "B": Overlays and AC Replacements
 2015 Pavement Management Program
 #20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	RECON-STRUCT EXISTING MANHOLE FRAME	COMMENTS
30	NE CORONA CT	N/S SUNBURST AVE	CUL DE SAC	14.67	2.44	(11*12)		
H90	NE LENOX ST	C/L AMBER AVE	C/L 1ST DR	43.11	7.19	(10*10)+(12*12)+(12*12)		
J80	NE LENOX ST	C/L KATIE DR	C/L 2ND DR	5.44	0.91	(7*7)	1	IN DO: SANI MH NEEDS RECONSTRUCTED
K79C	NE LENOX ST	PVT CHNG (W P/L #271)	W/S 3RD	8.00	1.33	(6*12)		
B61	NE SUNBURST AVE	C/L 4TH AVE	C/L LAUREN CT	16.67	2.78	(10*15)		
E3316	NE SUNBURST AVE	C/L SUNBURST AVE (SPUR)	C/L CORONA CT	45.00	7.50	(15*27)		
TEMPLATE TOTALS				132.89	22.15		1	

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2015 Pavement Management Program
 #20552222-6102

Schedule "B" Overlays & AC Replacements G3

Legend

- Light Rail Station
- Schools
- Section Node

AC Replacement

- 2" Full Width Grind, 2.5" Overlay
- Prelevel, 2" Overlay
- 2" Overlay
- Prelevel, 3" Overlay
- 3" Overlay
- 2" Full Width Grind, 2" Overlay
- 3" Full Width Grind, 3" Overlay
- 4" Full Width Grind, 4" Overlay

Level 2 Overlays

- Template Boundary
- Hillsboro Parks
- City Limits

Roadway Jurisdiction

- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
- State Highway
- Light Rail
- Heavy Rail
- Stream



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Template G3

Schedule "B": Overlays and AC Replacements

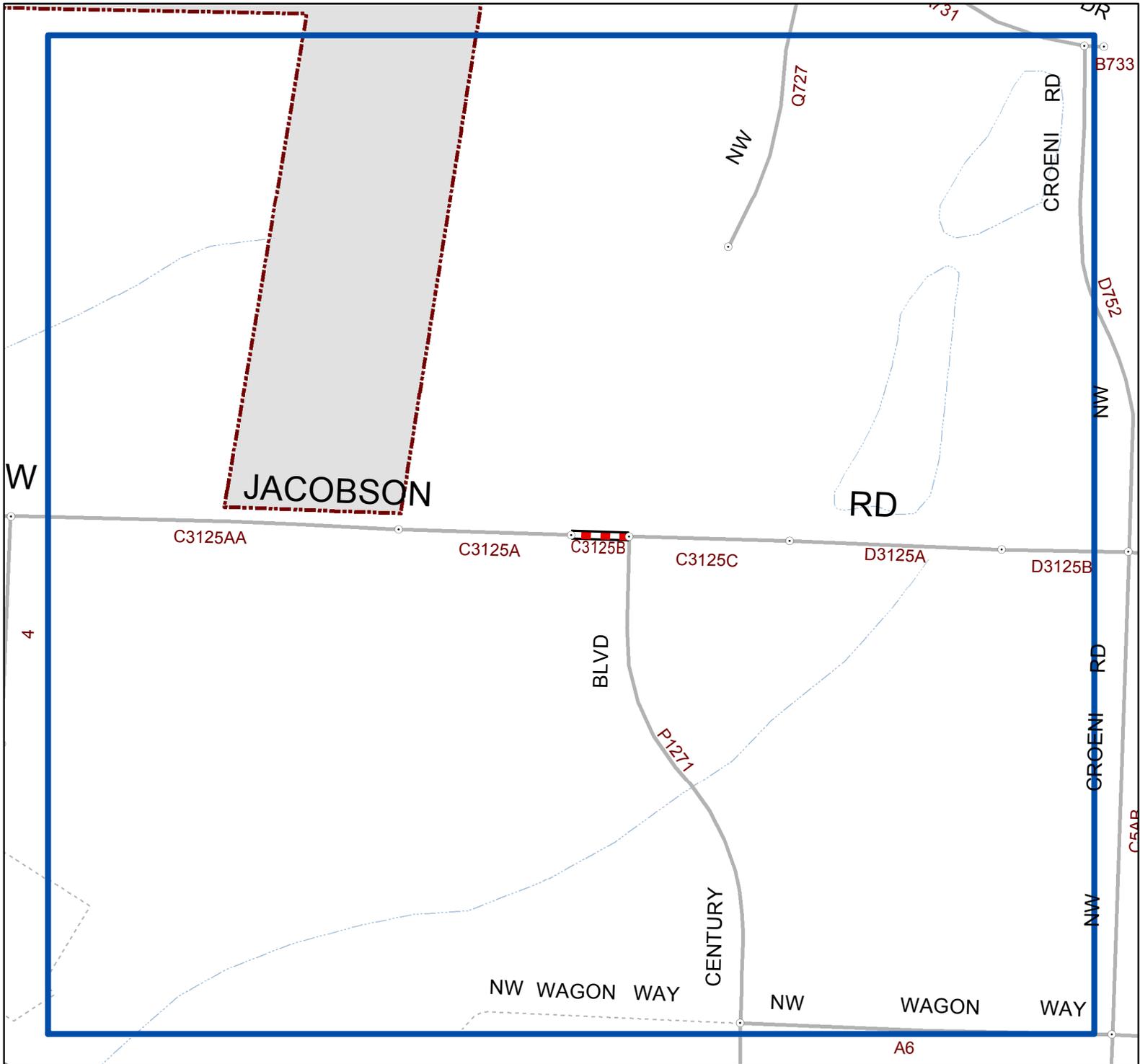
2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
B40	NE EDGEFIELD ST	C/L 14TH AVE	W/S 15TH AVE	5.44	0.91	(7*7)	
TEMPLATE TOTALS				5.44	0.91		

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2015 Pavement Management Program
#20552222-6102

Schedule "B" Overlays & AC Replacements H8

Legend

- Light Rail Station
- Schools
- Section Node
- AC Replacement**
- 2" Full Width Grind, 2.5" Overlay
 - Prelevel, 2" Overlay
 - 2" Overlay
 - Prelevel, 3" Overlay
 - 3" Overlay
 - 2" Full Width Grind, 2" Overlay
 - 3" Full Width Grind, 3" Overlay
 - 4" Full Width Grind, 4" Overlay
- Template Boundary
- Hillsboro Parks
- City Limits
- Roadway Jurisdiction**
- City Roadway
- City Alley
- Unimproved City ROW
- Private
- County Road
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- Light Rail
- Heavy Rail
- Stream



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Template H8

Schedule "B": Overlays and AC Replacements

2015 Pavement Management Program

#20552222-6102

AC REPLACEMENTS

SECTION ID	STREET	FROM	TO	AC REMOVE (SQYD)	AC REPLACE (TON)	AC REMOVAL SIZE (FT)	COMMENTS
C3125B	NW JACOBSON RD	PVMT CHNG	C/L CENTURY	35.56	9.88	(16*20)	5" DEEP
TEMPLATE TOTALS				35.56	9.88		

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