



OLYMPIA, WASHINGTON

REQUEST FOR BIDS
PROTECTIVE WINDOW FILM
PROJECT #2016

REQUEST FOR BIDS (RFB) RELEASE DATE:
September 14, 2020

**DEADLINE FOR REQUEST FOR CLARIFICATIONS
OR APPROVED EQUALS:**
Date: September 22, 2020
Time: 11:00 a.m. (PST)

BID OPENING:
Date: September 30, 2020
Time: 11:00 a.m. (PST)
Location: 526 Pattison Street, SE
Olympia, WA 98501

CONTACT PERSON:
Tammy Ferris, Procurement Coordinator
(360) 705-5818
tferris@intercitytransit.com

NOTICE TO BIDDERS
REQUEST FOR BIDS (RFB)
PROTECTIVE WINDOW FILM - PROJECT #2016

Intercity Transit, the public transportation provider in Thurston County, Washington, is requesting bids for Protective Window Film Project #2016. The Bid Proposal for this Contract requires the Bidder to bid Alternates as part of their bid. As such the Bidder is required to submit a Base Bid and bids for the Alternates.

The Base Bid scope of work provides for: (1) the removal and disposal of the temporary corrugated protective covering currently on 32 of the windows; and (2) for the furnishing, delivery and installation of film and adhesive on 32 windows on the upper level of the new Olympia Transit Building located at 205 Franklin Street, NE Olympia, WA, and all other work as described in the specifications.

The scope of work for the additive alternates is detailed in the specifications of the Request for Bid document.

The project estimate is \$25,000 to \$50,000. This project does not have Federal funding.

Contract documents and planholder's list are available through Builders Exchange of Washington, Inc. at <http://www.bxwa.com>.

Submittal Time/Date/Location: Sealed bids are due prior to 11:00 a.m., (PST) on September 30, 2020. Enclose the Bid Submittal in a sealed envelope or container labeled as follows:

- **Mail in and received prior to 11:00 a.m., September 30, 2020:**

Intercity Transit
Attn: Tammy Ferris
526 Pattison Street, SE
Olympia, WA 98501

BID – DO NOT OPEN
Protective Window Film–Project #2016

- **Hand-deliver only between the hours of 9:00 a.m. and prior to 11:00 a.m., September 30, 2020:**

Intercity Transit
Attn: Tammy Ferris
526 Pattison Street, SE
Olympia, WA 98501

BID – DO NOT OPEN
Protective Window Film–Project #2016

The sealed bids will be publicly opened and read at 11:00 a.m., on September 30, 2020, outside and under the covered canopy of Intercity Transit's Administration Building to allow for safe social distancing.

Please contact Tammy Ferris, Procurement Coordinator, by phone at (360) 705-5818 or email at tferris@intercitytransit.com with any questions regarding this solicitation.

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 Builder's Exchange of Washington (BXWA)
 Office of Minority and Women's Business Enterprises (OMWBE)

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SECTION 1 – INTRODUCTION

1.1 PURPOSE

Intercity Transit (Transit), the public transportation provider in Thurston County, Washington, is requesting bids for the installation of Protective Window Film and Impact Protection Adhesive for the Protective Window Film Project #2016.

1.2 PROJECT DESCRIPTION

This Contract requires the Bidder to bid Alternates as part of their bid. As such the Bidder is required to submit a Base Bid and bids for the Alternates.

Scope of Work for the Base Bid:

The Base Bid scope of work provides for: (1) the removal and disposal of the temporary corrugated protective covering currently on 32 of the windows; and (2) for the furnishing, delivery and installation of film and adhesive on 32 windows on the upper level of the new Olympia Transit Building located at 205 Franklin Street, NE Olympia, WA, and all other work as described in the specifications.

Scope of Work for the Additive Alternate Bid #1:

The additive alternate work consists of: (1) the removal and disposal of the temporary corrugated protective covering currently on 11 of the large windows on the upper level of the building facing State Avenue NE and three windows on the upper floor facing Washington St NE for a total of 14 windows; and (2) for the furnishing, delivery and installation of film and adhesive on 14 windows on the upper level of the building, and all other work as described in the specifications.

Scope of Work for the Additive Alternate Bid #2:

The Contractor will agree to match the terms, conditions and limitations of the owners existing in force window manufacturer's seal failure warranty with like kind on the commercial windows at the location named in the project to the purchaser of the window film for a period of thirty-six (36) months. In addition, the Contractor agrees to extend the length of the standard film warranty, not including labor, by an additional twenty-four (24) months (optional warranty). The warranty length total will NOT exceed fifteen 15 years. The contractor also agrees to increase the glass breakage/seal failure coverage to \$2,000 per window. The terms in which the Contractor will cover glass breakage/seal failure is limited in scope to the terms and conditions in a standard film warranty. This Optional Warranty (maximum value of \$2,000 per window) applies to the glass on which window film has been applied by an authorized dealer in accordance with factory recommended installations instructions. All filmed windows within a project must be included for this Optional Warranty to be valid - partial coverage is not allowed.

The project estimate is \$25,000 to \$50,000.

1.3 LOCATION OF THE PROJECT

The work shall be performed at 205 Franklin Street, NE, Olympia, Washington.

1.4 DELIVERABLES

All deliverables provided by the awarded Contractor as a result of this solicitation are subject to Transit's approval and acceptance.

1.5 PERMITS AND LICENSES

Contractor must be licensed to do business by both Washington State and local city jurisdictions. It is the Contractor's responsibility to obtain, or retain in good standing, all required trade and business licenses and documentation. Unless otherwise specified, permits from governmental agencies or municipalities which are necessary only for and during the prosecution of the work and the subsequent guarantee period shall be secured and paid for by the Contractor. Contractor will be responsible for complying with any related permit conditions.

1.6 GUARANTEE OF WORK

The Contractor warrants and guarantees to Transit that all work for this project shall be in accordance with the Contract Documents and will not be defective. The warranty shall survive termination of this Contract. Conducting of tests and inspections, review of specifications or plans, payment of goods or services, or acceptance by Transit does not constitute waiver, modification or exclusion of any express or implied warranty or any right under this Contract or law.

Transit will give notice of all defects to the Contractor for correction. The Contractor shall, at its sole cost and expense, remedy any defects in the work performed in execution of the Contract. The Contractor shall guarantee against failure due to defective materials or workmanship for a period of one (1) year from the date of Final Acceptance of the work completed for this project unless a longer period is specified elsewhere. The Contractor shall defend, hold harmless and indemnify Transit for any claims made as well as claims paid pertaining to defects in workmanship and material.

1.7 BIDDER QUALIFICATIONS

Bidders must be an authorized Dealer of the window film product which is defined as 3M product Dealers/Installers as identified on the 3M Window Film Dealer Locator Link: www.3M.com/WFdealerlocator

1.8 AWARD

Transit intends to award a firm-fixed Contract to the responsive responsible Bidder whose Bid meets all RFB requirements and is determined the most advantageous to Transit.

Transit does not represent or guarantee any minimum purchase. This Solicitation does not obligate Transit to contract for the goods and/or services specified herein. Transit reserves the right to add, remove, or otherwise modify requirements to meet the operational and strategic objectives of the agency.

SECTION 2 – GENERAL INFORMATION

2.1 CONTACT INFORMATION

Until a Contract is awarded, the Bid submittal documents and any other communications concerning the project or the Request for Bids (RFB) must be addressed to:

Procurement Coordinator: Tammy Ferris
Email Address: tferris@intercitytransit.com
Address: Intercity Transit
526 Pattison Street, SE
Olympia, WA 98501

2.2 PROCUREMENT SCHEDULE

The schedule below outlines key action dates and times (if applicable). Transit reserves the right to change the schedule.

RFB #2016 Schedule	Date and Time (Pacific Time)
RFB Release	September 14, 2020
Request for Clarifications or Approved Equals Due	September 22, 2020 @ 11:00 a.m.
Bid Opening	September 30, 2020 @ 11:00 a.m.

2.3 EXAMINATION OF DOCUMENTS

Bidders must thoroughly examine and be familiar with the bid documents, including but not limited to, the Solicitation, Technical Specifications, Contract, Drawings, Addenda (if any), and any other material referenced or incorporated herein. Submission of a bid constitutes acknowledgment upon which Transit may rely that the Bidder has thoroughly examined and is familiar with the Bid Documents.

Bidder's failure or neglect to receive or examine any of the Contract Documents, statutes, ordinances, regulations and permits will in no way relieve the Bidder from any obligations with respect to the Bid or any resulting Contract.

Transit will reject claims for additional compensation based upon a lack of knowledge or misunderstanding of any of the Contract Documents, referenced materials, statutes, ordinances, regulations, permit requirements, or other materials referenced or incorporated in this RFB.

2.4 BIDDER QUESTIONS AND REQUESTS FOR CLARIFICATIONS

Bidder questions and/or requests for clarification shall be submitted in writing via email to the Procurement Coordinator. Bidders shall submit questions or requests for clarifications by the deadline listed in the Procurement Schedule.

Transit will respond to all requests for clarifications and questions in writing. If necessary, Transit will issue an Addendum to the solicitation which identifies any changes to the Contract Document. Transit reserves the right to accept or reject any request for changes.

Bidders shall not rely on any oral statements or conversations, whether at the Pre-Bid meeting or otherwise, with Transit representatives for questions or clarifications regarding

this RFB. Verbal responses to questions and/or clarifications will be considered unofficial and non-binding. Only written responses posted to BXWA in the form of an addendum will be considered official and binding. All such Addenda will become part of the Solicitation and any awarded Contract.

If no requests for clarifications are received, Transit will construe that the Bidder intends to comply with the document in its entirety.

2.5 ORAL AGREEMENTS

No oral agreement or conversation with any officer, agent, or employee of Transit, either before or after execution of the contract, shall affect or modify any of the terms or obligations contained in any of the documents comprising the contract. Such oral agreement or conversation shall be considered as unofficial information and in no way binding upon Transit, unless subsequently put in writing and signed by the Transit.

2.6 REQUEST FOR APPROVED EQUALS

Bidders shall submit any and all Requests for Approved Equals no later than the time and date identified in the Procurement Schedule. All Requests for Approved Equals shall be submitted in writing via email to the Procurement Coordinator.

Transit shall review all requests for approved equals and if necessary, shall issue Addenda to the solicitation which identifies all approved or disapproved requests. Bidders shall provide adequate technical information for any request for approved equal to allow Transit to make a technical decision of whether to accept or deny. Failure to do so may allow Transit to deny requests. It is Transit's sole discretion to accept or reject any request for approved equals. Bidders shall not rely upon any oral statements or conversations, whether at the pre-bid conference or otherwise, they may have with representatives of Transit regarding approved equals or deviations or Contract Documents.

If no request for approved equal or deviation is received in a timely manner, it shall be construed to mean that the Bidder intends to fully comply with all Scope of Work and Specifications listed herein.

2.7 WAGES AND LABOR PROVISIONS

This Contract is subject to Chapters 39.12 RCW, and amendments and regulations issued thereunder, relating to state of Washington prevailing wages, benefits, and other requirements. The Contractor, each Subcontractor and other person doing any work under this Contract shall pay laborers, workmen or mechanics not less than the prevailing rate of wage for an hours work in the same trade or occupation in the locality within the state of Washington where such labor is performed.

The Contractor must comply with State or applicable Federal determinations. In the event of a discrepancy between Federal and State rates and requirements, the Contractor, each Subcontractor and other person, as applicable, will comply with the higher rates and more stringent requirements. The cost of such compliance shall be deemed included in the Contract Price. No claim for additional compensation due to lack of knowledge, misinterpretation of requirements, or failure to include adequate wage increases in Bid pricing will be allowed.

The Contractor is responsible to ensure proper wages are paid and the appropriate documentation is submitted to Transit. Wages and benefits higher than the minimums required by law may be paid. In the event wage rates and benefits change during the

Contract term, the Contractor will bear the cost of changes and will not have any claim against Transit on account of such changes.

Contractor, each subcontractor, and other person required to pay the prevailing rate of wage shall post in a location(s) readily visible to workers at the job site: (1) a copy of the statement of intent to pay prevailing wages approved by the industrial statistician of the Department of Labor and Industries under RCW 39.12.040; and (2) the address and telephone number of the industrial statistician of the Department of Labor and Industries where a complaint or inquiry concerning prevailing rates may be made.

Wage Rates are included in Attachment A.

2.8 RETAINAGE

In accordance with RCW 60.28.011, Transit will retain five (5) percent of each invoice or pay request. Unless the Contractor pre-arranges otherwise, retained amounts will be remitted to the Contractor upon receipt of a certified copy of Affidavits of Wages Paid for the Contractor and each subcontractor, final acceptance by Transit of work performed, receipt of all necessary releases, and after any other requirements are met.

2.9 LIENS PROHIBITED

The Contractor shall not permit any lien or claim to be filed or prosecuted against Transit, its property or its right-of-way on account of any labor or material furnished or any other reason for work arising out of this Contract. If any lien shall be filed, the Contractor shall satisfy, discharge and extinguish or cause such lien to be satisfied, discharged and extinguished immediately, including at Transit's option obtaining a court order extinguishing the lien, as a condition precedent to final payment.

2.10 SOLICITATION STANDARDS

The Solicitation Standards document has been included in [Appendix B](#).

This document contains important information for Bidders applicable to this Solicitation. The terms and conditions provided in the Solicitation Standards document apply directly to, and are incorporated by reference, into this Solicitation and the Contract resulting from this Solicitation. As such, Bidders do not need to attach this document with their Bid. It is the Bidder's responsibility to read and fully understand the details of all items contained herein prior to Bid submittal.

2.11 CONTRACT TERMS

A Sample Contract is included in [Appendix C](#). Transit expects the final Contract signed by the successful Bidder to be substantially the same as the Sample Contract. Bidder's submission of a response to this Solicitation constitutes general acceptance of these Contract requirements.

The foregoing should not be interpreted to prohibit either party from proposing additional Contract terms and conditions during negotiation of the final Contract.

2.12 INCORPORATION OF DOCUMENTS INTO CONTRACT

A Bid submitted in response to this Solicitation is an offer to contract with Transit. This Solicitation document, all incorporated documents, any subsequent Amendments and/or Addenda, and the successful Bidder's Response will be incorporated into the resulting Contract.

SECTION 3 – SCOPE OF WORK AND SPECIAL PROVISIONS

3.1 SCOPE OF WORK

The Bid Proposal for this Contract requires the Bidder to bid Alternates as part of their bid. As such the Bidder is required to submit a Base Bid and bids for the Alternates.

Scope of Work for the Base Bid:

The Base Bid scope of work provides for: (1) the removal and disposal of the temporary corrugated protective covering currently on 32 of the windows; and (2) for the furnishing, delivery and installation of film and adhesive on 32 windows on the upper level of the new Olympia Transit Building located at 205 Franklin Street, NE Olympia, WA, and all other work as described in the specifications.

The temporary corrugated protective covering should remain on the windows until immediately before the windows are prepped for film and the film applied. Except during installation, windows should not be uncovered and left exposed without the permanent application of film. A site representative must always be onsite when the window(s) are not protected.

Intercity Transit estimates the total square footage for installation of the film and adhesive will be approximately 1,070 square feet. This is for 32 windows located on the second floor of the Olympia Transit Center.

Scope of Work for the Additive Alternate Bid #1:

The additive alternate work consists of: (1) the removal and disposal of the temporary corrugated protective covering currently on 11 of the large windows on the upper level of the building facing State Avenue NE and three windows on the upper floor facing Washington St NE for a total of 14 windows; and (2) for the furnishing, delivery and installation of film and adhesive on 14 windows on the upper level of the building, and all other work as described in the specifications.

The process to apply film should be that the corrugated plastic is not removed until the window is ready to be prepped and the film and adhesive immediately applied. Except during installation, windows should not be uncovered and left exposed without permanent application of film. Windows without a finished application of film and adhesive must be protected with corrugated plastic until the film can be permanently affixed. A site representative must always be onsite when the window(s) are not protected.

Scope of Work for the Additive Alternate Bid #2:

The Contractor will agree to match the terms, conditions and limitations of the owners existing in force window manufacturer's seal failure warranty (Attachment C) with like kind on the commercial windows at the location named in the project to the purchaser of the window film for a period of thirty-six (36) months. In addition, the Contractor agrees to extend the length of the standard film warranty, not including labor, by an additional twenty-four (24) months (optional warranty). The warranty length total will NOT exceed fifteen (15) years. The contractor also agrees to increase the glass breakage/seal failure coverage to \$2,000 per window. The terms in which the Contractor will cover glass breakage/seal failure is limited in scope to the terms and conditions in a standard film warranty. This Optional Warranty (maximum value of \$2,000 per window) applies to the glass on which window film has been applied by an authorized dealer in accordance with

factory recommended installations instructions. All filmed windows within a project must be included for this Optional Warranty to be valid - partial coverage is not allowed.

Bidders are responsible for the actual measurements. Bidders can visit the site independently to take measurements by scheduling an appointment with Julie DeRuwe, Facilities Manager, by contacting her via phone at: (360) 705-5858 or email: jderuwe@intercitytransit.com.

Bidders are encouraged to visit the site to familiarize themselves with the conditions, actual quantities that are to be furnished, delivered and installed and to gather all other information necessary to complete the project in its entirety.

3.2 PRODUCT SPECIFICATIONS

3M Safety Window Film 14 mil (Safety S140) or an approved equal.
Impact Protection Adhesive (IPA) or an approved equal.

Bidders must be an authorized 3M Dealer/Installer as identified on the 3M Window Film Dealer Locator Link: www.3M.com/WFdealerlocator or if an approved equal is selected, bidder must be an authorized dealer/installer for the approved equal.

Bidders are to bid as specified herein or bid an approved equal. The product proposed must possess substantially equivalent qualities and attributes as the product type defined in Attachment B. The intent of these specifications is not to limit the product brand types offered; however, the strength and performance of proposed product must be equivalent to 3M Safety 14 Mil (Safety S140) and must use an attachment system with equal performance.

3M Safety and Security Film Spec is included in Attachment B.

3.3 PROJECT CONDITIONS AND EXECUTION

Installation shall occur when there is no wind or rain and the ambient temperature falls inside the temperature range as defined by the product manufacturer. Bidders shall comply with manufacturers recommendations for surface preparation. Do not install film outside of limits set by the manufacturer.

3.4 WARRANTY OF MATERIAL

Minimum 10-year commercial warranty to cover film against peeling, cracking, discoloration, and deterioration.

3.5 LABOR, MATERIALS, AND EQUIPMENT

The Contractor shall provide installers who are certified and approved to install the selected product by the manufacturer. The Contractor shall at all times maintain good discipline and order at the site. The Contractor shall keep the premises clean of all rubbish and debris generated by the work involved and shall leave the premises neat and clean. The contractor, at the contractor's expense, shall dispose of all surplus material, rubbish, and debris. The work area shall be cleaned at the end of each workday. All materials, tools, equipment, etc., shall be removed or safely stored.

The Contractor shall furnish all materials, labor, transportation, equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water and sanitary facilities and all

other facilities and incidentals necessary for the execution and completion of the work, except as otherwise provided in the Contract Documents.

3.6 PROSECUTION OF WORK

Notice to Proceed will be given after the Contract has been executed and the Contract Bond and evidence of insurance have been approved and received by Transit. The Contractor shall diligently pursue the work to Physical Completion date within the time specified in the Contract Documents. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to complete the work within the time(s) specified in the Contract Documents.

3.7 TIME FOR COMPLETION

All work shall be Physically Completed within **30** working days from the “Notice to Proceed Date (Contract Start Date)”.

3.8 FINAL INSPECTION AND APPROVAL

The Contractor shall request Transit’s Representative conduct a site inspection after the project is complete. Final project approval is contingent upon Transit’s Representative’s final inspection.

SECTION 4 – BID SUBMITTAL

4.1 BID SUBMITTAL REQUIREMENTS

Bidder must complete and provide the following information in the Bid Submittal Document of [Appendix A](#). Failure to complete and submit all items listed in this section may disqualify the Bidder from further participation in this RFB:

1. **Bidder Acknowledgements**

The Bidder Acknowledgements must be signed by the Bidder's Authorized Official. Bidder must complete the acknowledgement of Addenda receipt box(es) by filling in the Addenda number fields for each Addenda issued and complete the signature box information on the Bidder Acknowledgements page.

2. **Bidder Information**

Bidder must complete the Bidder Profile, Bidder's Authorized Representative, Bidder Qualifications, and Certified DBE and SBE Status sections.

3. **Bid Guaranty Bond**

The Bid must be accompanied by a Bid Guaranty Bond, using the form provided in the Bid Submittal Document, or a form containing provisions substantially similar to those in the Transit's form. The form must be duly completed by (i) a guaranty company authorized to conduct business in Washington State, or, (ii) a certified or cashier's check, payable to Intercity Transit in an amount not less than five (5) percent of the base Bid, drawn upon a banking institution with a branch office in Washington State. The signing Surety must be registered with the Washington State Insurance Commissioner. The Surety's name shall appear in the current Washington State Authorized Insurance Company List published by the Office of the Insurance Commissioner. Failure to furnish a bid guarantee in the proper form and amount, by the time set for opening of bids, may be cause for rejection of bid.

The amount payable to Transit under the Bid Guaranty Bond, or the certified or cashier's check and the amount thereof, will be forfeited to Transit in the event that the Bidder fails or neglects to furnish, execute and deliver the required performance bond and evidences of insurance, and enter into, execute and deliver the agreement on the form provided in the Contract Documents to Transit within twenty (20) calendar days after being notified in writing by Transit that the award has been made to and the agreement is ready for execution by the Bidder.

4. **Subcontractor Information**

Bidder is instructed to complete the Subcontractor Information section if the Bidder intends on utilizing Subcontractors. If Bidder does not intend to use Subcontractors, the Bidder is not required to complete this section of the Bid Submittal Document. If no information is entered, Transit will assume that Subcontractors will not be used.

Transit will accept Bids that include third party involvement only if the Bidder submitting the Bid agrees to take complete responsibility for all actions of such Subcontractors. Bidder must disclose the use of any Subcontractor(s) in their Bid.

If applicable, Bidder will identify all Subcontractors who will perform services in fulfillment of Contract requirements, including their name, the nature of services to be performed, address, telephone, email, federal tax identification number (TIN), Washington State

Unified Business Identifier (UBI), and DBE or SBE certification status. Transit reserves the right to approve or reject any and all Subcontractors that Bidder proposes.

Any Subcontractors not listed in the Bidder's Response, who are engaged after award of the Contract, must be pre-approved, in writing, by Transit before providing services under the Contract.

In accordance with RCW 39.06, a Public Works Contractor must verify responsibility criteria for each first tier Subcontractor, and a Subcontractor of any tier that hires other Subcontractors must verify responsibility criteria for each of its Subcontractors. Verification shall include that each Subcontractor, at the time of subcontract execution, meets the responsibility criteria outlined above and possesses appropriate licenses as required by RCW. This verification requirement, as well as the responsibility criteria, must be included in all Public Works Contract and subcontract of every tier. This shall in no way release the Contractor from its obligations under the Contract and Contract Documents. The Contractor shall be fully responsible to Transit for the acts and omissions of its Subcontractors. Nothing contained herein shall create any contractual relationship between Transit and any Subcontractor.

5. References

Bidder shall submit a **minimum of three (3)** references for which the Bidder has provided services similar to those described herein.

Through this submission, Bidder grants permission to Transit to independently contact the references. Transit reserves the right to obtain and consider information from other sources concerning a Bidder, such as Bidder's capability and performance under other contracts, Bidder's financial stability, past or pending litigation, and other publicly available information.

6. Non-Collusion Affidavit

Bidder must complete and sign the Non-Collusion Affidavit. The form must be signed by the Bidder's Authorized Official.

7. Bid Form

Bidder must complete and submit the Bid Pricing Section and Bidder's Signature. Bidder may attach additional sheets if necessary.

Prices will be in U.S. dollars. Bidders will extend unit pricing as required. In the event of an error in the extension of prices, the unit price will prevail. All Bid prices will remain firm for a minimum of sixty (60) Calendar Days from the Bid due date.

Bid prices will include everything necessary for the procurement of the Contract, execution and completion of the work, and fulfillment of the Contract. This includes but is not limited to, furnishing of all materials, delivery costs, equipment, tools, labor and services, Bid preparation costs, Contract management costs and administrative costs, except as may be provided otherwise in the Contract Documents

All applicable taxes which the Contractor is required to pay, including retail sales or use taxes, must be included in the Bidder's proposed price(s) for the work under the Contract. No adjustments will be made in the amount to be paid by Transit under the Contract due to any misunderstanding by or lack of knowledge of the Bidder as to liability

for, or the amount of, any taxes for which the Bidder is liable or responsible by law or under the Contract or because of any increases in tax rates imposed by any Federal, State or local government.

No payments in advance or in anticipation of goods or services to be provided under any resulting Contract will be made. Contractor will only be compensated for performance delivered and accepted by Transit.

4.2 SUBMITTAL INSTRUCTIONS

Bidder will submit their complete Bid in the following manner:

A. Bid: Bidder must complete and submit all sections of the Bid Submittal Document, located in [Appendix A](#), as their Bid. Bid Submittal must be received by Intercity Transit on or before the **Bid Due Date and Time** set forth in the Procurement Schedule.

B. Delivery of Bid: The Bid must be delivered as follows:

1. Enclose the Bid Submittal in a sealed envelope or container labeled as follows:

- **Mail in and received prior to 11:00 a.m., September 30, 2020:**

Intercity Transit
Attn: Tammy Ferris
526 Pattison Street, SE
Olympia, WA 98501

BID – DO NOT OPEN
Protective Window Film–Project #2016

- **Hand-deliver only between the hours of 9:00 a.m. and prior to 11:00 a.m., September 30, 2020:**

Intercity Transit
Attn: Tammy Ferris
526 Pattison Street, SE
Olympia, WA 98501

BID – DO NOT OPEN
Protective Window Film–Project #2016

C. Time of Receipt: Submit bid by the submittal deadline as specified in the Procurement Schedule to Intercity Transit at 526 Pattison Street, SE, Olympia, WA 98501. The telephone number for shipping purposes is (360) 786-1881.

No oral, faxed, e-mailed or telephone Bids or modifications will be accepted or considered. All Bids and any accompanying documentation become the property of Transit and will not be returned.

4.3 LATE BIDS

Any Bid received after the exact time specified for Bid due date and time will not be accepted or receive consideration by Transit and returned unopened. The exact time is designated as the time displayed on the Transit's Receptionist clock. Bidder accepts all risks of late delivery regardless of fault or chosen method of delivery.

4.4 BID OPENING

Transit will publicly open Bids at its Administrative Building (526 Pattison Street, SE, Olympia, WA) as specified in the Procurement Schedule. Any time following the public bid opening, Bidders may obtain a list of Bidders. Contact the Procurement Coordinator for requests for all other information related to this Solicitation.

Transit reserves the right to postpone the date and time of bid opening at any time prior to the date and time established herein.

4.5 PROGRESS AND COMPLETION

Progress and completion of the work must comply with all stated requirements. The submission of a Bid shall constitute the Bidder's acknowledgment that timely progress and completion requirements are accounted for in the Bidder's pricing.

4.6 BIDDER RESPONSIVENESS

Bidder must respond to the requirements contained in this RFB. Failure to demonstrate to Transit compliance with RFB requirements and/or comply with any applicable item may result in the Response being deemed non-responsive and disqualified from further consideration.

Transit, at its sole discretion, reserves the right to consider the actual level of Bidder's compliance with Solicitation requirements, accept or reject any and all Bids received, waive any irregularities or minor informalities, to accept any items or combination of items, and to request additional information required to fully evaluate a Bid.

4.7 BID EVALUATION AND AWARD

Bids will be evaluated by Transit to determine the lowest responsive responsible Bidder and which Bid, if any, should be accepted by Transit. Transit in its sole discretion reserves the right, but without obligation, to waive informalities and irregularities.

1. Responsiveness. Transit will consider all the material submitted by the Bidder to determine whether the Bidder's offering is in compliance with the Bid documents.
2. Responsibility. Transit will consider all material submitted by the Bidder, and evidence it may obtain otherwise, to determine whether the Bidder, its key personnel, and proposed Subcontractors have the qualifications and experience to successfully fulfill the Contract obligations.
3. Price. The lowest bid price(s) offered for the goods and services listed.

Within sixty (60) calendar days after the opening of Bids, Transit will either accept a Bid, reject all Bids, or take such other action as may be in its best interest. Transit reserves the right to request extension of the Bid acceptance period. The acceptance of a Bid will be evidenced by a written notice of award of Contract.

APPENDIX A

BID SUBMITTAL DOCUMENT

INSTRUCTIONS:

Bidder must complete and submit all sections of this Bid Submittal Document as their Bid by the Bid Due Date and Time.

The Bid must include all completed sections of this Bid Submittal Document as listed below:

1. Bidder Acknowledgements
2. Bidder Information
3. Bidder Guaranty Bond
4. Subcontractor Information
5. References
6. Non-Collusion Affidavit
7. Bid Form

BIDDER ACKNOWLEDGEMENTS

Protective Window Film – Project #2016

Issued by Intercity Transit

Having carefully examined all requirements and terms and conditions identified in this Request for Bids (RFB), the undersigned, as Bidder, declares to that I/we have examined all of the Contract Documents and that I/we will contract with Intercity Transit (Transit) to do everything necessary for fulfillment of **RFB #2016, Protective Window Film**, and the resulting Contract, at the prices and on the terms and conditions contained herein.

I/We certify, under penalty of perjury, that this is not a sham or collusive Bid, nor made in the interest or on behalf of any person not herein named. I/We have not directly or indirectly induced or solicited any Bidder on the above work, or suppliers to put in a sham Bid, nor any other person or corporation to refrain from Bidding. I/We have not in any manner sought by collusion to secure advantage over any other Bidders.

I/We agree that our Bid constitutes an offer to Transit, which shall be binding for sixty (60) Calendar Days from the Bid due date. If our Bid is accepted, we agree to sign the Contract form and furnish evidences of insurance required herein within twenty (20) Calendar Days after receipt from Transit of written notice of award of Contract.

I/We certify that we are, at the time of submitting this Bid and shall remain throughout the period of the Contract, registered and licensed by the state of Washington to perform the type of work required under the Contract Documents. We further certify that we are skilled and regularly engage in the general class and type of work called for in the Contract Documents.

I/We hereby certify that, within the three-year period immediately preceding the Bid/Proposal solicitation date for this Project, I/We are not a “willful” violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction. In addition, I/We certify under penalty of perjury under the laws of the state of Washington that the foregoing is true and correct.

I/We further agree, if our Bid is accepted and a Contract is awarded by Transit, to plan and prosecute the work with such diligence that the work and portions thereof shall be completed and ready for use within the period set forth.

I/We acknowledge receipt of addenda numbers _____ through _____ and have been taken into account as part of our Bid.

The following information is accurate to the best of our knowledge. Any required documentation has been attached separately. We understand that failure to complete this form in its entirety may deem our Bid “Non-Responsive”. If our business is not required to have one of the following items, we have attached a letter explaining why.

I/We certify that we:

- a. Have examined the work site and all existing conditions;
- b. Fully understand the manner in which payment is proposed;
- c. Propose to furnish all labor, equipment, and materials required to perform and complete specified work within the time fixed;
- d. Will observe the national, Washington State, and local codes;
- e. Have a valid Washington State Contractor’s license and a current registration with the Washington State Department of Labor & Industries;
- f. Have the insurance coverage required for this Contract; and
- g. Are current in payment of industrial insurance premiums.

The signatory below represents that he/she has the authority to bind the company named below to the Bid submitted and any Contract awarded as a result of this Solicitation. The authorized signatory acknowledges having read and understood the entire Solicitation and agrees to comply with the terms and conditions of the Solicitation in submitting and fulfilling the offer made in its Bid. By submitting this Bid, Bidder hereby offers to furnish materials, supplies, services and/or equipment in compliance with all terms, conditions, and specifications contained in this Solicitation.

"I certify (or declare) under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct":

Bidder Signature:

Date:

Print Name and Title

Location or Place Executed: (City, State)

END OF FORM

BIDDER INFORMATION

1. **Bidder Profile:** Bidder must provide the following:

Firm Name	
DBA Name (if applicable)	
Street Address	
City, State, Zip Code	
Federal Tax ID Number	
WA State UBI Number	
DUNS #	

2. **Bidder Authorized Official:**

Bidder must designate an Authorized Official who will be the principal point of contact for the Procurement Coordinator for the duration of this RFB process. Bidder's Authorized Official will serve as the focal point for business matters and administrative activities.

Representative Name:	
Street Address	
City, State, Zip Code	
Telephone Number	
Email Address	

3. **Bidder Qualifications:** Bidder must provide the following:

WA State Contractor Registration No.	
WA State Employment Security Dept. No.	
WA State Excise Tax Registration No.	
WA State Worker's Comp Account No. <i>(If you do not have an account, please explain why)</i>	
WA State L&I Debarred Contractor <i>(If "yes", your firm is not qualified to bid on this project)</i>	Is your firm disqualified from bidding on Public Works contracts in WA? <input type="checkbox"/> Yes <input type="checkbox"/> No
Federal Government Debarred Contractor <i>(If "yes" your firm is not qualified to bid on this project)</i>	Is your firm disqualified from bidding on Federal Projects, as verified through the System for Award Management (SAM)? <input type="checkbox"/> Yes <input type="checkbox"/> No

4. Certified DBE and SBE Status:

Intercity Transit gathers the following Disadvantaged Business Enterprise (DBE) and Small Business Enterprise (SBE) information for reporting purposes. Bidder is instructed to check the applicable boxes and enter associated certification numbers, as applicable, below:

Not Applicable

DBE

Certification #: _____

SBE

Certification #: _____

5. Statement of Prior Contract Termination:

Bidder must disclose below if the Bidder's firm and/or any proposed subcontractors have had a contract terminated for either cause or convenience in the last five (5) years. If a contract was terminated for cause or convenience during this timeframe, submit full details of the termination including but not limited to, the reason for termination, the other party's contact information (name, address, email address, and telephone number), and the Bidder's position on the matter. Transit will evaluate the information and may, at its sole discretion, reject the Response based on the risk to the Agency. *If not applicable, Bidder is instructed to enter "NA" in the box below.*

END OF FORM

BIDDER GUARANTY BOND

KNOW ALL BY THESE PRESENTS: That we, _____,
as Principal, and _____, as Surety, are jointly and severally held
and firmly bound unto INTERCITY TRANSIT, hereinafter called the Obligee, each in the penal
sum of five percent (5%) of the Base Bid price of the Principal for the work, this sum not to
exceed _____ DOLLARS
(\$_____) of lawful money of the United States, for the payment whereof unto the
Obligee, the Principal and Surety jointly and severally bind themselves forever firmly by these
presents.

WHEREAS, the Principal is herewith submitting its offer for the fulfillment of
Project #2016 – Protective Window Film

NOW, THEREFORE, the condition of this obligation is such that if the Principal is
awarded the Contract, and if the Principal, within the time specified in the Bid for such Contract,
fulfills all of the requirements of the Contract Documents which are conditions precedent to the
execution of the agreement, enters into, executes and delivers to the Obligee an agreement on
the form provided herein complete with evidences of insurance, and if the Principal, within the
time specified in the Bid, gives to the Obligee the performance bond on the form provided
herein, then this obligation shall be void; otherwise, the Principal and Surety will pay unto the
Obligee the difference in money between the total amount of the Bid of the Principal and the
amount for which the Obligee legally contracts with another party to fulfill the Contract if the
latter amount be in excess of the former, but in no event shall the Surety's liability exceed the
penal sum hereof.

AND IT IS HEREBY DECLARED AND AGREED that the Surety shall be liable under
this obligation as Principal, and that nothing of any kind or nature whatsoever that will not
discharge the Principal shall operate as a discharge or a release of liability of the Surety.

IT IS HEREBY FURTHER DECLARED AND AGREED that this obligation shall be
binding upon and inure to the benefit of the Principal, the Surety and the Obligee and their
respective heirs, executors, administrators, successors and assigns.

SIGNED AND SEALED this ____ day of _____, 2020.

Principal: _____
By: _____
Title: _____
Address: _____
City/Zip: _____
Telephone: _____
Witness: _____

Surety: _____
By: _____
Title: _____
Address: _____
City/Zip: _____
Telephone: _____
Witness: _____

Note: A power of attorney must be provided which appoints the Surety's true and lawful
attorney-in-fact to make execute, seal and deliver this Bid guaranty bond.

END OF FORM

SUBCONTRACTOR INFORMATION

Check the applicable box:

Yes No Bidding firm intends on utilizing subcontractors to fulfill the service requirements outlined in **RFB #2016, Protective Window Film.**

Contractor will be required to perform all work under this Contract using his/her own employees carried on payroll or by using Subcontractors. Where Subcontractors are used in the performance of the Contract, Bidder will indicate as required with the Response. Contractor will be held responsible for all work performed or not performed by the subcontractor(s). Subcontractor(s) will be required to bill through the Contractor.

If revisions are required in the subcontract assignment, new parties are to be proposed in advance of assignment, in writing to the Transit Procurement Coordinator and Contract Administrator.

If applicable, Bidder will identify below all subcontractors who will perform services in fulfillment of Contract requirements, including their name, the nature of services to be performed, address, telephone number, email address, federal tax identification number (TIN), Washington State Unified Business Identifier (UBI), and DBE or SBE certification status:

Subcontractor 1

Name: _____
Services: _____
Address: _____
Telephone: _____
Email: _____
Fed ID: _____
UBI: _____
Certified DBE: Yes No
Certified SBE: Yes No

Subcontractor 2

Name: _____
Services: _____
Address: _____
Telephone: _____
Email: _____
Fed ID: _____
UBI: _____
Certified DBE: Yes No
Certified SBE: Yes No

Subcontractor 3

Name: _____
Services: _____
Address: _____
Telephone: _____
Email: _____
Fed ID: _____
UBI: _____
Certified DBE: Yes No
Certified SBE: Yes No

Subcontractor 4

Name: _____
Services: _____
Address: _____
Telephone: _____
Email: _____
Fed ID: _____
UBI: _____
Certified DBE: Yes No
Certified SBE: Yes No

END OF FORM

REFERENCES

Bidder must provide a minimum of three (3) references for which the Bidder has provided goods and/or services similar to those described in this Solicitation. References must not be from an individual, company or organization with any special interest, financial or otherwise, to the Bidder.

Reference 1

Company Name: _____
Type of
Organization:* _____
Contact Name: _____
Job Title: _____
Street Address: _____
City, State, Zip: _____
Telephone: _____
Email: _____
Brief Reference
Project Description: _____

Reference 2

Company Name: _____
Type of
Organization:* _____
Contact Name: _____
Job Title: _____
Street Address: _____
City, State, Zip: _____
Telephone: _____
Email: _____
Brief Reference
Project Description: _____

Reference 3

Company Name: _____
Type of
Organization:* _____
Contact Name: _____
Job Title: _____
Street Address: _____
City, State, Zip: _____
Telephone: _____
Email: _____
Brief Reference
Project Description: _____

Reference 4

Company Name: _____
Type of
Organization:* _____
Contact Name: _____
Job Title: _____
Street Address: _____
City, State, Zip: _____
Telephone: _____
Email: _____
Brief Reference
Project Description: _____

*Type of Organization – Municipality, Public Agency, Etc.

END OF FORM

NON-COLLUSION AFFIDAVIT

STATE OF: _____

COUNTY OF: _____

_____, being first fully sworn, on his/her oath says that (s)he certifies that the Bid above submitted is genuine and not a sham or collusive Bid, nor made in the interest or on behalf of any person not herein named; and (s)he further says that the said Bidder has not directly or indirectly induced or solicited any Bidder on the above work, or supplies to put in a sham Bid not any other person or corporation to refrain from Bidding; and that said Bidder has not in any manner sought by collusion to secure to self-advantage over any other Bidder or Bidders.

SIGN HERE: _____

Subscribed and sworn before me this ____ day of _____, 2020

Print Name: _____

Notary Public for the State of _____

Residing in _____

END OF FORM

BID FORM

Transit has the right to contract based on the total Bid or a portion thereof. Transit has the right to correct obvious mathematical errors. Bidders are cautioned against making erasures or alterations of any kind, and Bids which contain omissions, erasures or irregularities of any kind may be rejected. Any qualification, addition, limitation or provision attached to a Bid may render the Bid non-responsive.

Base Bid:

Item No.	Description	Bid Amount
1	Removal and Disposal of 32 Window Coverings	
2	Installation of Window Film and Adhesive for 32 Windows	
TOTAL BASE BID PRICE:		

Additive Alternate Bid #1:

Item No.	Description	Bid Amount
1	Removal and Disposal of 14 Window Coverings	
2	Installation of Window Film and Adhesive for 14 Windows	
TOTAL ADDITIVE ALTERNATE BID #1 PRICE:		

Additive Alternate Bid #2:

Item No.	Description	Bid Amount
1	3M Platinum Select Warranty or Approved Equal	
TOTAL ADDITIVE ALTERNATE BID #2 PRICE:		

BASE BID + ADDITIVE ALTERNATE BID #1 + ADDITIVE ALTERNATE BID #2 GRAND TOTAL:	
--	--

On this project, Protective Window Film Project #2016, the Bidder shall include all applicable use and/or sales tax in the individual bid items.

The apparent low bidder, for purpose of entering into a Contract for this project, shall be the responsive and responsible bidder offering the low aggregate amount for the base bid plus additive alternate bids, and meeting all other bid submittal requirements.

Intercity Transit reserves the right to award only the Base Bid, or the Base Bid and any combination of the Additive(s), based upon the amount of the available budget. Transit reserves the right to reject any portion of any Bid and/or to reject all Bids. Transit further reserves the right, but without obligation, to waive informalities and irregularities.

TIME FOR COMPLETION: The undersigned hereby agrees to complete all the work under the Base Bid (and accepted Alternate) within **30** working days after the date of Notice to Proceed.

We, the Bidder, propose to perform the work under the terms and conditions contained herein for the Contract Total price set forth above.

Signature of Bidder

Firm/Company Name

APPENDIX B

SOLICITATION STANDARDS

Solicitation Standards:

This document contains important information for Bidders applicable to the Contract Documents administered by Intercity Transit. This information applies directly, and is incorporated by reference, into the solicitation and contracts resulting from this solicitation. As such, Bidders do not need to attach this document with their response to the solicitation. It is the responsibility of the Bidder to read and fully understand the details of all items contained herein prior to Bid submittal.

1. DEFINITIONS

This section contains definitions of terms commonly used in Solicitations conducted by Intercity Transit.

Agency	Intercity Transit (Transit).
Amendment or Addendum	A change to a legal document. For the purposes of a Solicitation document, an amendment is a unilateral change issued by Transit, at its sole discretion.
Authorized Representative	An individual designated by the Bidder to act on its behalf with the authority to legally bind the Bidder concerning the terms and conditions set forth in Solicitation and Bid documents.
Procurement Coordinator	The individual authorized by Transit who is responsible for conducting a specific Solicitation.
RCW	Revised Code of Washington

2. AMENDMENTS AND ADDENDA

Transit reserves the right to amend this Solicitation at any time before the Bid due date and time. Amendments may be for any reason deemed necessary by Transit including, without limitation, changes in quantity, quality, delivery requirements, due date, procedures, baseline technical requirements, statement of work requirements, or selection criteria.

All Addenda will be posted on the [Builder's Exchange of Washington](#) (BXWA). It is the Bidder's sole responsibility to check periodically for addenda related to this Solicitation.

If there is any conflict between Addenda, or between an Addendum and the original Solicitation document, whichever document was issued last in time shall be controlling.

3. COLLUSION

If Transit determines that collusion has occurred among Bidders, none of the Bids of the participants in the collusion will be considered. Transit's determination shall be final.

4. SUSTAINABILITY COMMITMENT

Transit is a founding signatory with Gold Level recognition for the American Public Transportation Association Sustainability Commitment. Our Environmental and Sustainability Policy directs all employees including those working our behalf of Transit to be in compliance with all environmental laws and regulations, policy communication, pollution prevention, incorporation of sustainability practices in all operations, and maintaining an ISO14001 Certified Environmental and Sustainability Management System ([ESMS](#)).

Transit is committed to implementing core processes which set the basis for environmental, social, and economic sustainability. Transit administers these practices on an ongoing basis with a commitment to continual improvement.

Should the resulting contract impact Transit's sustainability commitments, Contractor may be required to provide relevant information about the goods or services being procured. Contractor may also be required to validate their ability to comply with Transit's environmental management and sustainability practices.

5. ENVIRONMENTAL POLLUTION PREVENTION AND PUBLIC NATURAL RESOURCES PRESERVATION

The Successful Bidder will comply with applicable portions of the following statutes, ordinances and regulations and such other regulatory measures dealing with the prevention of environmental pollution and the preservation of public natural resources as may be subsequently identified by Transit or other public agencies as applicable to the work.

- A. Federal. Natural Environmental Policy Act of 1969, 42 USC 4321 et seq.; Executive Order 11514; Clean Water Act, 33 USC 1251 et seq.
- B. State. Water Pollution Control Act, Chapter 90.48 RCW; State Environmental Policy Act of 1971, Chapter 43.21C RCW and WAC Chapter 1997-10; Noise Control Act of 1974, Chapter 70.107 RCW; Washington Clean Air Act, Chapter 70.94 RCW and WAC Chapter 1; Shoreline Management Act of 1971, Chapter 90.58 RCW.
- C. Regional. Any applicable Air Pollution Control District regulations.
- D. Thurston County. Any applicable County ordinances and regulations.
- E. Local. Any applicable City ordinances and regulations.

6. INSURANCE

The Successful Bidder is required to obtain insurance to protect Transit should there be any claims, suits, actions, costs, or damages or expenses arising from any negligent or intentional act or omission of the Bidder or its Subcontractor(s), or their agents, while performing work under the terms of any Contract resulting from this Solicitation. Bidders will find a complete description of the specific insurance requirements in the Sample Contract document located in Appendix C of the Solicitation document.

7. MINORITY, WOMEN, DISADVANTAGED AND SMALL BUSINESS ENTERPRISES

Transit is committed to maximum utilization of minority, women, and disadvantaged businesses enterprises (DBE), and small businesses enterprises (SBE). All businesses are encouraged to respond.

Interested firms are reminded to provide all potential business partners an equal, non-discriminatory opportunity to compete for business as joint venture partners or subcontractors. Transit is interested in firms that demonstrate a commitment to equal employment opportunity and encourages firms to employ a workforce that reflects the region's diversity and to adhere to non-discrimination.

8. NO COSTS OR CHARGES

Costs or charges under the proposed Contract incurred before the Contract is fully executed will be the sole responsibility of the Bidder.

9. NO OBLIGATION TO CONTRACT

This Solicitation does not obligate Transit to contract for the service(s) or product(s) specified. Transit reserves the right to cancel or reissue this Solicitation in whole or in part, for any reason, prior to Contract award.

10. POLICY COMPLIANCE

Transit does not permit alcohol, drugs and weapons on Transit property. Tobacco products must only be used in designated areas. The Contractor is responsible to ensure that all employees and any Subcontractors assigned to work on Transit property are aware of and comply with these policies.

11. PROJECT PERSONNEL

Bidder represents that it has, or will obtain, all qualified personnel necessary to perform the services required under this Solicitation. All services required under this Solicitation shall be performed by the Bidder, its employees, agents, representatives, or authorized Subcontractors. Upon Contract award, Contractor will not change assigned project personnel or subcontractors without prior Transit approval.

12. BID CLARIFICATION

Transit will make the sole determination of clarity and completeness in the Bids relative to any of the provisions in this Solicitation. Transit reserves the right to require clarification, additional information and materials in any form relative to any or all of the provisions or conditions of this Solicitation.

To aid in the Response evaluation process, after Response due date and time, Transit may require individual Bidders to appear at a date, time and place determined by Transit for the purpose of conducting discussions to determine whether both parties have a full and complete understanding of the nature and scope of contractual requirements. In no manner shall such action be construed as negotiations or an indication of Transit's intention to award.

13. BID COSTS

Bidder is solely liable for any and all costs associated with preparing, submitting or presenting a Bid in response to this Solicitation. Transit is not liable for any cost incurred by the Bidder in the process of responding to this Solicitation.

14. BID DEADLINE POSTPONEMENT

Transit reserves the right to postpone the Bid due date and time at any time prior to the set due date and time.

15. BID OWNERSHIP

All Bids and materials submitted in response to this Solicitation will become the property of Transit. Information in each Bid will be shared with Transit employees and other persons involved in Bid evaluation. Transit will have the right to use ideas or adaptations of ideas that are presented in the Bid. Selection or rejection of the offer will not affect this right.

16. BID REJECTION

Transit reserves the right to reject any Bid for any reason including, but not limited to, the following:

- A. Any Bid which is incomplete, obscure, irregular or lacking necessary detail and specificity;
- B. Any Bid which contains figures (price, percentage or others) that are not legible or subject to more than one interpretation;
- C. Any Bid from Bidder(s) who (in the sole judgment of Transit) lack the qualification and/or responsibility necessary to perform the work properly;
- D. Any Bid for which a Bidder fails or neglects to complete and submit any qualification information within the time specified by Transit; and

- E. Any Bid submitted by a Bidder who is not registered or licensed as may be required by the laws of the state of Washington.

Transit further reserves the right to reject any or all Bids, to waive any minor irregularities or informalities (without obligation) in any response to the Solicitation, and to accept any items or combination of items. In consideration for Transit's review and evaluation of its Bid, the Bidder waives and releases any claims against Transit arising from rejection of any or all Bids.

17. BID WITHDRAWAL OR MODIFICATION

A modification of a Bid already received will be considered only if the modification is received prior to the Bid due date and time. All modifications shall be made in writing, executed and submitted in the same form and manner as the original Bid. Notwithstanding the above, a late modification of an otherwise successful Bid that makes its terms more favorable to Transit may be considered at any time it is received and may be accepted.

Bidders may withdraw their Bid by written request to the Procurement Coordinator. The withdrawal request must be received by the Procurement Coordinator prior to Bid due date and time. Bids may be withdrawn in person by the Bidder or an Authorized Representative, if the representative's identity is made known and the representative signs a receipt for the Bid before the Bid due date and time.

No Bidder may withdraw a Bid after the Bid due date and time, or before the award and execution of the Contract, unless the award is delayed for a period exceeding sixty (60) Calendar Days from the Bid due date and time. Transit reserves the right to request that Bidders grant an extension of such effective period.

Transit will not give consideration to a claim of error in a Bid unless written notice and supporting evidence of such claim, including cost breakdown sheets, are delivered to Transit within forty-eight (48) hours after Bid opening. Any review by Transit of a Bid and/or any review of such a claim of error (including supporting evidence) creates no duty or liability on Transit to discover any other error or mistake, and the sole liability for any Bid errors rests with the Bidder.

18. PROPRIETARY OR CONFIDENTIAL INFORMATION

Transit will not disclose any information contained in competing Bids or the number of Bids received until after Contract award. Transit will keep information submitted through this process confidential to the extent allowed by state or federal law.

All information contained in the Bids is subject to the Washington State Public Records Act, RCW Chapter 42.56, and may be subject to public inspection. It should be noted that RCW 42.56.270(1) states that the following information is exempt from disclosure: "Valuable formulae, designs, drawings, computer source code or object code, and research data obtained by any agency within five years of the request for disclosure when disclosure would produce private gain and public loss."

Bidders, who include data in their Bids which conforms to the above limitations and that they do not want disclosed to the public for any purpose or used by Transit, except for in evaluation purposes, must indicate any pages and/or sections of the Response that Bidder desires to claim as proprietary in the Proposer Information section of the Bid Submittal Document titles "Proprietary or Confidential Information".

19. PROTEST PROCEDURES

Protests shall be filed and resolved in accordance with the following procedure:

- A. **Right to Protest.** Any actual or prospective Bidder, including sub-contractors and suppliers showing a substantial economic interest in this project, who is aggrieved in connection with the solicitation or award of this project, may file a protest. A protest with respect to the RFB shall be submitted in writing to the Intercity Transit General Manager prior to the established Bid due date and time unless the aggrieved person did not know the facts giving rise to such protest prior to Bid date. The protest shall be submitted within seven (7) Calendar Days after such aggrieved person knows or should have known of the facts giving rise thereto. If the protester is not satisfied with the solution of the General Manager, a written protest may be filed with the Intercity Transit Authority. Protests filed more than seven (7) Calendar Days following the receipt of the General Manager's written determination will not be accepted or require a response.
- B. **Stay of Procurements during Protests.** In the event of a timely protest, the General Manager shall not proceed further with the solicitation or award of the Contract until all administrative and judicial remedies have been exhausted or until the Intercity Transit Authority makes a determination on the record that the award of a Contract without delay is necessary to protect substantial interests of Transit.
- C. **Entitlement of Costs.** In addition to any other relief, when a protest is sustained and the protesting Bidder should have been awarded the Contract under the solicitation, but is not, then the protesting Bidder shall be entitled to the reasonable costs incurred in connection with the solicitation, including preparation costs, other than attorney's fees.
- D. **Process.** In order to be considered, a protest shall be in writing and shall include:
 1. The name and address of the aggrieved person;
 2. The project number and title under which the protest is submitted;
 3. A detailed description of the specific grounds for protest and any supporting documentation; and
 4. The specific ruling or relief requested.

The written protest will be addressed to:

Intercity Transit
Attention: General Manager
Bid Protest
526 SE Pattison Street
P.O. Box 659
Olympia, WA 98501

Failure to comply with these protest procedures shall render a protest untimely or inadequate and may result in rejection by Transit.

For procurements that include federal funding, FTA may entertain a protest that alleges Transit failed to have or follow written protest procedures. Such protest must be filed with FTA not later than five (5) days after Transit renders a final decision or five (5) days after the protester knows or has reason to know that Transit failed to render a final decision. A protest to FTA must be filed in accordance with FTA Circular 4220.1F.

20. SINGLE BID RECEIVED

If Transit receives a single responsive, responsible Bid, Transit shall have the right, in its sole discretion, to extend to the Bid acceptance period for an additional forty-five (45) Calendar Days and to conduct a price or cost analysis on such Bid. The Bidder shall promptly provide all cost or pricing data, documentation and explanation requested by Transit to assist in such analysis.

By conducting such analysis, Transit shall not be obligated to accept the single Bid. Transit reserves the right to reject such Bid or any portion thereof.

21. WORK PROGRESS AND COMPLETION

Progress and completion of the work must comply with all stated requirements. The submission of a Bid shall constitute the Bidder's acknowledgment that such progress and completion requirements are taken into account in formulating Bidder's pricing.

22. WORK SITE INSPECTION

Bidder must understand and inspect the work location(s). By signing its Bid, Bidder is accepting the work conditions. The Awarded Contractor will be responsible to complete all required work in accordance with the Solicitation and Contract Documents. If during the course of or as a result of the inspection and examination, a Bidder finds facts or conditions which appear to conflict with the letter or spirit of the Solicitation and Contract Documents, or with any other data or material made available to the Bidder relating to the work, the Bidder will promptly notify Transit in writing and request additional information and explanation before submitting a Bid.

APPENDIX C

SAMPLE CONTRACT

**INTERCITY TRANSIT
CONTRACT NO. 2016
FOR
PROTECTIVE WINDOW FILM**

THIS CONTRACT is made and entered into duplicate this _____ day of _____, 2020 by and between Intercity Transit, a Washington municipal corporation, hereinafter referred to as "Transit", and the below named company, hereinafter referred to as "Contractor", for the project known as Protective Window Film – Contract No. 2016.

Contractor: Firm Name
Authorized Rep: Authorized Rep. Name
Address: Street Address
City, State Zip Code
Phone: (###) ###-####
Email: Email Address
Federal TIN: ##-#####
WA State UBI No.: ###-###-###

1. RECITALS

WHEREAS, Transit desires to have certain services and/or tasks performed as hereinafter set forth requiring specialized skills and other supportive capabilities; and WHEREAS, sufficient Transit resources are not available to provide such services; and WHEREAS, Contractor represents that Contractor is qualified and possesses sufficient skills and the necessary capabilities, including technical and professional expertise where required, to perform the services and/or tasks set forth in this Contract.

NOW, THEREFORE, in consideration of the terms, conditions, covenants and performance contained herein, Transit and Contractor agree as follows:

2. PURPOSE

The purpose of this Contract is to enter into an agreement for: (1) the safe removal and legal disposal of the temporary protective covering currently on the windows; and (2) for the furnishing, delivery and installation of film and adhesive on 32 windows on the upper level of the new Olympia Transit Building located at 205 Franklin Street, NE Olympia, WA, and all other work as described in the specifications.

3. SCOPE OF WORK AND SPECIFICATIONS

- A. Contractor will perform such services and comply with the requirements set forth in this Contract document, including furnishing all materials and equipment necessary to complete the Protective Window Film Project #2016, and as identified in the following attached Exhibits which are incorporated by reference:
 - 1. Request for Bids (RFB) Project #2016, Released September 14, 2020, attached as Exhibit "A"
 - 2. Addenda (if applicable), attached as Exhibit "B"
 - 3. Contractor's Response to RFB #2016, dated [DATE], attached as Exhibit "C"
- B. In the case of any inconsistency between the Contractor's response to RFB #2016 and the Scope of Work and Specifications described herein, the latter shall control.

4. ADMINISTRATION AND SUPERVISION

- A. The work and services under this Contract is subject to certain federal laws, regulations, and other requirements in effect on the date of execution of this Contract. Transit and the Service Provider agree that such federal laws, regulations, and other requirements supersede any conflicting provisions of this Contract.
- B. The Service Provider represents that it has, or will obtain, all personnel necessary to perform the services required under this Contract and that such personnel are qualified, experienced, and licensed as may be necessary or required by laws and regulations to perform such services. All services required under this Contract must be performed by the Contractor, its employees, or by subs whose selection has been authorized by Transit; provided, that Transit's authorization will not relieve the Contractor or its subs from any duties or obligations under this Contract or at law to perform in a satisfactory and competent manner. The Contractor will remove from the Project any of its subs or personnel assigned to the Project if, after the matter has been thoroughly considered by Transit and the Contractor. Transit considers such removal necessary and in the best interests of the Project and so advises the Contractor in writing.
- C. The Project must be coordinated and integrated with other Transit activities.

5. TIME OF COMMENCEMENT AND SUBSTANTIAL COMPLETION

The work to be performed under this Contract will commence within ten (10) Calendar Days from the date Transit issues the Notice to Proceed to Contractor. Subject to authorized adjustments, Contractor shall complete all work within 30 Working Days. If said work is not completed within the time specified, Contractor agrees to pay to Transit the sum as calculated per the formula in WSDOT Section 1-08.9 of the Standard Specifications for each and every day said work remains uncompleted after expiration of the specified time, as liquidated damages. Transit shall not be responsible for delays caused by weather, soil conditions, underground

obstructions, labor disputes, fire, flood, delays by third parties, particularly public and private utilities, or reasonable foreseen delays.

6. COMPENSATION AND METHOD OF PAYMENT

- A. This is a firm-fixed Contract. Transit will reimburse the Contractor for satisfactory completion for the performance of the work, subject to additions and deductions by Change Order as specified in this Contract, in a maximum amount not to exceed \$_____, as described in Exhibit C.
- B. Contractor may request monthly progress payments based upon the amount of work completed for each of the deliverables required by the Scope of Work and Specifications of Exhibits A and B. Each request for a progress payment will include:
 - 1. The period of time covered by the request for payment.
 - 2. A brief description of the work completed for each deliverable during the period of time including any milestones accomplished.
 - 3. The total percentage of work completed to date for each deliverable.
- C. Contractor will submit its final invoice and other required documents pursuant to this Contract within forty-five (45) Calendar Days of Statement of Work completion. Unless waived by Transit in writing, Contractor failure to submit the final invoice and required documents may, at Transit's sole discretion, relieve Transit from any and all liability for payment to the Contractor for the amount set forth in such invoice or any subsequent invoice.
- D. If Contractor fails to comply with any terms or conditions of this Contract or to provide, in any manner, the work or services agreed to in this Contract, Transit may withhold any payment due the Contractor until Transit is satisfied that corrective action, as specified by Transit, has been completed. This right is in addition to, and not in lieu of, Transit's right to terminate this Contract as provided in Section 30, Termination.

7. FINAL PAYMENT

Final payment, constituting the entire unpaid balance of the Contract sum, shall be paid by Transit to the Contractor when the work has been completed and accepted by Transit, and the Contract fully performed. Release of retainage (if applicable) shall not occur until Transit has received a certified copy of Affidavit of Wages Paid for the Contractor and each Subcontractor, final acceptance by Transit of work performed, receipt of all necessary releases including a certificate from the Washington State Department of Revenue showing that all Contract related taxes have been paid, and after any other requirements are met.

8. BILLING PROCEDURES

- A. Payments for services and materials provided under this Contract will be made on not more than a monthly basis, following the full performance and acceptance of such service and materials. No payment will be made for any service rendered or material provided by Contractor except for services and materials

identified and set forth in this Contract unless otherwise permitted by law and approved in writing by Transit.

- B. Contractor will submit an invoice for services rendered to Transit on forms approved by Transit. Invoices should be submitted electronically to tferris@intercitytransit.com. If Contractor is unable to submit invoices electronically, invoices may be submitted by mail to:

INTERCITY TRANSIT
Attn: Procurement Office
526 Pattison Street SE
Olympia, WA 98501

- C. Transit will submit payment for stated services to Contractor within thirty (30) days following Transit's receipt of each accurate and complete invoice. No payments in advance of, or in anticipation of, receipt of goods or services to be provided under this Contract will be made by Transit.

9. WAGES AND LABOR PROVISIONS

- A. This Contract is subject to Chapter 39.12 RCW, and amendments and regulations, relating to Washington State prevailing wages, benefits, and other requirements.
- B. Contractor, each Subcontractor, and any other person doing any work under this Contract must pay laborers, workmen or mechanics not less than the prevailing rate of wage for an hours work in the same trade or occupation in the Washington State locality where such labor is performed.
- C. Contractor must comply with State and Federal determinations. In the event of a discrepancy between Federal and State rates and requirements, Contractor will comply with the higher rates and more stringent requirements. The cost of such compliance shall be deemed included in the Contract Price.
- D. Contractor is responsible to ensure proper wages are paid and the appropriate documentation is submitted to Transit. Wages and benefits higher than the minimums required by law may be paid. In the event wage rates and benefits change during the Contract term, Contractor will bear the cost of changes and will not have any claim against Transit on account of such changes.

10. RETAINAGE

In accordance with RCW 60.28.011, Transit will retain five (5) percent of each invoice or pay request. Unless the Contractor arranges otherwise, retained amounts will be remitted to the Contractor upon receipt of a certified copy of Affidavit of Wages Paid for the Contractor and each subcontractor, final acceptance by Transit of work performed, receipt of all necessary releases, and after any other requirements are met.

11. PROJECT MANAGEMENT

The individuals listed below, or their successors will be the designated points of contact for services provided under this Contract. Transit's Project Manager or his/her successor is responsible for monitoring Contractor's performance and will

be the contact person for all communications regarding Contract performance and deliverables. Transit’s Project Manager has the authority to accept or reject the services provided and if satisfactory, certify acceptance of each invoice submitted for payment. Notifications regarding changes to Project Management personnel must be in writing and maintained in the project file, but will not require a formal Contract amendment.

Contractor’s Project Manager	Transit’s Project Manager
First Last Company Street Address City, State Zip Phone: (###) ###-#### Email address: [Enter email address]	Julie DeRuwe Intercity Transit 526 Pattison Street SE Olympia, WA 98501 Phone: (360) 705-5858 Email address: jderuwe@intercitytransit.com

12. CONTRACT ADMINISTRATION

The individual listed below, or his/her successor, will be Contract Administrator for this Contract. The Contract Administrator is designated to receive legal notices, invoices, and to administer, amend, or terminate this Contract. All Contract Documents under this Contract will be processed by the Contract Administrator and submitted to Contractor for acceptance. Contact information for the Contract Administrator is:

Tammy Ferris
 Intercity Transit
 526 Pattison Street, SE
 Olympia, WA 98501
 Phone: (360) 705-5818
 Email address: tferris@intercitytransit.com

13. CHANGES

Either party may request changes to the scope of services and performance to be provided under this Contract; however, no change or addition to this Contract will be valid or binding upon either party unless such change or addition is in writing and signed by both parties. All amendments will be attached to and incorporated into this Contract.

14. PROJECT PERSONNEL

Contractor represents that it has, or will obtain, all personnel necessary to perform the services required under this Contract. All services required under this Contract will be performed by the Contractor, its employees, agents, representatives, or authorized subcontractors.

15. INDEPENDENT CONTRACTOR RELATIONSHIP

- A. The parties intend that an independent Contractor relationship between Contractor and Transit will be created by this Contract. Transit is interested primarily in the results to be achieved; subject to the provisions herein, the implementation of services will lie solely with the discretion of Contractor. No agent, employee, servant or representative of Contractor shall be deemed to be an employee, agent, servant or representative of Transit for any purpose, and the employees of Contractor are not entitled to any of the benefits Transit provides to its employees. Contractor will be solely and entirely responsible for its acts and for the acts of its agents, employees, servants, subcontractors or representatives during the performance of this Contract.
- B. In the performance of the services required by this Contract, Contractor is an independent Contractor with the authority to control and direct the performance of the details of the work, however, the results of the required work must meet the approval of Transit and shall be subject to Transit's general rights of inspection and review to secure the satisfactory completion thereof in accordance with applicable agreed upon testing procedures between Transit and Contractor.

16. NON-EXCLUSIVE PROVIDER

Transit reserves the right to obtain services or supplies not specifically covered by this Contract from other providers as deemed in the best interest of Transit.

17. ASSIGNMENT

Contractor will not assign its performance under this Contract, or any portion of this Contract, without the written consent of Transit. Contractor must seek consent from Transit, in writing, not less than thirty (30) days prior to the date of any proposed assignment. Transit reserves the right to reject any assignment without cause.

18. HOLD HARMLESS AND INDEMNIFICATION

The Contractor shall defend, indemnify, and hold Transit and its officers and employees harmless from all claims, demands, or suits at law or equity arising in whole or in part from the negligence of, or the breach of any obligation under this Contract by, the Contractor or the Contractor's agents, employees, sub consultants, subcontractors or vendors, of any tier, or any other persons for whom the Contractor may be legally liable; provided, that nothing herein shall require a Contractor to defend, indemnify or hold harmless Transit and its officers and employees from claims, demands or suits based upon the sole negligence of, or breach of any obligation under this Contract by Transit, its agents, officers, employees, sub-consultants, subcontractors or vendors, of any tier, or any other persons for whom Transit may be legally liable; and provided further, that if the claims or suits are caused by or result from the concurrent negligence of (a) the Contractor or the Contractor's agents, employees, sub-consultants, subcontractors or vendors, of any tier, or any other persons for whom the Contractor is legally liable, and (b) Transit, its agents, officers, employees, sub-consultants, subcontractors and or vendors, of any tier, or any other persons for whom Transit may be legally liable, the defense

and indemnity obligation shall be valid and enforceable only to the extent of the Contractor's negligence or the negligence of the Contractor's agents, employees, sub-consultants, subcontractors or vendors, of any tier, or any other persons for whom the Consultant/Contractor may be legally liable. This provision shall be included in any Contract between Contractor and any sub-consultant, subcontractor and vendor, of any tier.

The Contractor shall also defend, indemnify, and hold Transit and its officers and employees harmless from all claims, demands, or suits at law or equity arising in whole or in part from the alleged patent or copyright infringement or other allegedly improper appropriation or use of trade secrets, patents, proprietary information, know-how, copyright rights or inventions by the Contractor or the Contractor's agents, employees, sub-consultants, subcontractors or vendors, of any tier, or any other persons for whom the Contractor may be legally liable, in performance of the Work under this Contract or arising out of any use in connection with the Contract of methods, processes, designs, information or other items furnished or communicated to Transit, its agents, officers and employees pursuant to the Contract; provided that this indemnity shall not apply to any alleged patent or copyright infringement or other allegedly improper appropriation or use of trade secrets, patents, proprietary information, know-how, copyright rights or inventions resulting from Transit, or its agents', officers' and employees' failure to comply with specific written instructions regarding use provided to Transit, its agents, officers and employees by the Contractor, its agents, employees, sub-consultants, subcontractors or vendors, of any tier, or any other persons for whom the Contractor may be legally liable.

The Contractor's relation to Transit shall be at all times as an independent contractor. Notwithstanding any determination by the Executive Ethics Board or other tribunal, Transit may, in its sole discretion, by written notice to the Contractor terminate this Contract if it is found after due notice and examination by Transit that there is a violation of the Ethics in Public Service Act, Chapter 42.52 RCW; or any similar statute involving the Consultant/Contractor in the procurement of, or performance under, this Contract.

The Contractor specifically assumes potential liability for actions brought by the Contractor's own employees or its agents against Transit and, solely for the purpose of this indemnification and defense, the Contractor specifically waives any immunity under the state industrial insurance law, Title 51 RCW. This waiver has been mutually negotiated between the Parties.

Unless otherwise specified in this Contract, Transit shall be responsible for administration of construction contracts, if any, on the project. Subject to the processing of a new sole source, or an acceptable supplemental Contract, the Contractor shall provide On-Call assistance to Transit during contract administration. By providing such assistance, the Contractor shall assume no

responsibility for: proper construction techniques, job site safety, or any construction contractor's failure to perform its work in accordance with the contract documents.

The Contractor shall obtain and keep in force during the terms of this Contract, or as otherwise required, the following insurance with companies or through sources approved by the State Insurance Commissioner pursuant to Title 48 RCW.

19. INSURANCE

- A. Insurance Requirements – Contractor shall obtain and maintain the minimum insurance set forth below. By requiring such minimum insurance, Transit shall not be deemed or construed to have assessed the risks that may be applicable to the Contractor under this Contract. The Contractor shall assess its own risks and, if it deems appropriate and/or prudent, maintain greater limits and/or broader coverage.
1. *Commercial General Liability Insurance* on an occurrence basis in an amount not less than \$1,000,000 per occurrence and at least \$2,000,000 in the annual aggregate, including but not limited to: premises/operations (including off-site operations), blanket contractual liability and broad form property damage.
 2. *Business Automobile Liability Insurance* in an amount not less than \$1,000,000 per occurrence, extending to any automobile, including owned, non-owned and hired vehicles.
 3. *Workers' Compensation Insurance* as required by Washington State law and *Employer's Liability Insurance (Stop Gap)* with limits not less than \$1,000,000 per occurrence.
- B. Additional Requirements – Contractor shall provide to Transit Certificates of Insurance and copies of policies, if requested, prior to commencement of work. All policies of insurance shall:
- i. Contain an endorsement specifically naming Intercity Transit its officers, officials, agents, and employees, as Additional Insureds with respect to the Commercial General Liability Policy only.
 - ii. Include a Severability of Interest clause (cross liability) applicable to Commercial General Liability and Business Automobile Liability Policies only.
 - iii. Any cancelled or non-renewed policy will be replaced with no coverage gap and a current Certificate of Insurance will be provided.
 - iv. Be provided on forms and by insurance companies satisfactory to Transit.

No provision in this paragraph shall be construed to limit the liability of the Contractor for work not done in accordance with the Contract, or express or implied warranties. The Contractor's liability for the work shall extend as far as the appropriate periods of limitation provided by law.

- C. Worker's Compensation - The Contractor and its subcontractors shall maintain worker's compensation insurance in the amount and type required by law for all employees employed under this Contract who may come within the protection of worker's compensation laws. The Contractor shall make all payments arising from the performance of this Contract due the State Washington pursuant to Titles 50 and 51 RCW.
- D. Evidences and Cancellation of Insurance - Prior to execution of the Contract, the Bidder/Contractor shall file with Transit evidences of insurance from the insurer(s) certifying to the coverage of all insurance required herein. All evidences of insurance must be certified by a properly authorized officer, agent, general agent or qualified representative of the insurer(s) and shall certify the name of the insured, the type and amount of insurance, the location and operations to which the insurance applies, the expiration date, and that the insurer(s) shall give, by registered mail, notice to Transit at least thirty days prior to the effective date of any cancellation, lapse, or material change in the policy. Any failure to mail such notice shall not relieve the insurance company, its agents, or representatives from obligations and/or liability hereunder.
- E. The Contractor shall, upon demand of Transit, deliver to Transit all such policy or policies of insurance and the receipts for payment of premiums thereon; and should the Contractor neglect so to obtain and maintain in force any such insurance or deliver such policy or action plan to acquire such insurance and/or deliver policies and receipts within three days or before any further performance hereunder, whichever is first. Failure to provide such insurance in a timeframe acceptable to Transit shall enable Transit to suspend or terminate the Contractor's work. Suspension or termination of this Contract shall not relieve the Contractor from its insurance obligations hereunder.

20. BONDING REQUIREMENTS

A. Performance and Payment Bonds

Contractor is required to obtain performance and payment bonds as follows:

1. Performance Bonds

- a. The penal amount of performance bonds shall be 100 percent of the original Contract price, unless Transit determines that a lesser amount would be adequate for the protection of Transit.
- b. Transit may require additional performance bond protection when a Contract price is increased. The increase in protection shall generally equal 100 percent of the increase in Contract price. Transit may secure additional protection by directing the Contractor to increase the penal amount of the existing bond or to obtain an additional bond.

2. *Payment Bonds*

- a. The penal amount of performance bonds shall be 100 percent of the original Contract price, unless Transit determines that a lesser amount would be adequate.
- b. Transit may require additional performance bond protection when a Contract price is increased. The increase in protection shall generally equal 100 percent of the increase in Contract price. Transit may secure additional protection by directing the Contractor to increase the penal amount of the existing bond or to obtain an additional bond.

B. Warranty of the Work and Maintenance Bonds

1. Contractor warrants to Transit, the Architect and/or Engineer that all materials and equipment furnished under this Contract will be of highest quality and new unless otherwise specified by Transit, free from faults and defects and in conformance with the Contract Documents. All work not so conforming to these standards shall be considered defective. If required by Transit, Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.
2. The work furnished must be of first quality and the workmanship, and must be the best obtainable in the various trades. The work must be of safe, substantial and durable construction in all respects. Contractor hereby guarantees the work against defective materials or faulty workmanship for a minimum period of one (1) year after Final Payment by Transit, and shall replace or repair any defective materials or equipment or faulty workmanship during the period of the guarantee at no cost to Transit.

21. TREATMENT OF ASSETS

- A. Title to all property furnished by Transit shall remain in the name of Transit. Transit shall become the owner of the work product and other documents, if any, prepared or developed specifically by Contractor for Transit pursuant to this Contract, unless otherwise expressly provided herein.
- B. Work product shall include, but not be limited to, research, reports, computer programs, manuals, drawings, recordings, photographs, artwork and any data or information in any form; Contractor and Transit intend that such work product shall be deemed "work made for hire" of which Transit shall be deemed the author.

22. COMPLIANCE WITH LAWS

- A. In the performance of this Contract, Contractor shall comply with all applicable federal, state or local laws and ordinances, including regulations for licensing, certification and operation of equipment, and licensing of individuals, and any other standards or criteria described in this Contract to assure quality of services.
- B. Contractor agrees to pay any applicable business and occupation (B&O) taxes which may be due on account of this Contract.

- C. If sales tax becomes applicable to the professional services covered by this Contract, Transit shall pay such tax to Contractor, and Contractor shall pay the tax as required by law.

23. POLITICAL ACTIVITY PROHIBITED

None of the funds, materials, property, or services provided directly or indirectly under this Contract shall be used for any partisan political activity, or to further the election or defeat of any candidate for public office.

24. PROHIBITED INTEREST

No Authority member, officer or employee of Transit shall have any personal interest, direct or indirect, in this Contract or the proceeds thereof.

25. NONDISCRIMINATION

- A. Equal Opportunity. Transit is an equal opportunity employer.
- B. Nondiscrimination in Employment. In the performance of this Contract, Contractor will not discriminate against any employee or applicant for employment on the grounds of race, creed, color, national origin, sex, marital status, age or the presence of any sensory, mental or physical handicap; provided that the prohibition against discrimination in employment because of handicap shall not apply if the particular disability prevents the proper performance of the particular work involved. Contractor shall ensure that applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, national origin, sex, marital status, age or the presence of any sensory, mental or physical handicap. Such action shall include, but not be limited to: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and programs for training including apprenticeships. Contractor shall take such action with respect to this Contract as may be required to ensure full compliance with Chapter 49.60 Revised Code of Washington, Law against Discrimination.
- C. Nondiscrimination in Services. Contractor will not discriminate against any recipient of any services or benefits provided for in this Contract on the grounds of race, creed, color, national origin, sex, marital status, age or the presence of any sensory, mental or physical handicap.
- D. Nondiscrimination in Sub-Contracting. If any assignment and/or subcontracting have been authorized by Transit, said assignment or subcontract shall include appropriate safeguards against discrimination. Contractor shall take such action as may be required to ensure full compliance with the provisions in the immediately preceding paragraphs herein and further agrees to insert a similar provision in all subcontracts, except subcontracts for standard commercial supplies or raw materials.

26. GRATUITIES AND KICKBACKS

- A. Gratuities – It shall be a breach of ethical standards for any person to offer, give or agree to give any Intercity Transit Authority member, officer, employee, agent or former Authority member, officer, employee, or agent or for any Authority member, officer, employee, agent or former Authority member, officer, employee or agent to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation therefore.
- B. Kickbacks – It shall be a breach of ethical standards for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime Contractor or higher tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

27. LIENS, CLAIMS AND ENCUMBRANCES

Contractor certifies that all materials, equipment or services shall be free of all liens, claims, or encumbrances of any kind, and if Transit requests, a formal release of same shall be provided.

28. MAINTENANCE AND INSPECTION OF RECORDS

- A. Contractor shall maintain books, records, documents which sufficiently and properly reflect all direct and indirect costs related to the performance of this Contract and shall undertake such accounting procedures and practices as may be deemed necessary to assure proper accounting of all funds paid pursuant to this Contract. These records shall be subject at all reasonable times to inspection, review or audit, by Transit, its authorized representative, the State Auditor or any of their authorized representatives or other governmental officials authorized by law to monitor this Contract.
- B. Contractor shall retain all books, records, documents and other material relevant to this Contract for five (5) years after Transit's final payment and all other pending matters are closed. Contractor agrees that Transit, or its designee, shall have full access and right to examine any of said materials at all reasonable times during said period.
- C. Contractor's fiscal management system shall include the capability to provide accurate, current and complete disclosure of the financial status of this Contract upon request.

29. DISPUTES

Disputes arising in the performance of this Contract which are not resolved by agreement of the parties will be decided by arbitration if the parties mutually agree, or in the Superior Court of Thurston County, Washington, which shall have exclusive jurisdiction and venue over all matters in question between Transit and Contractor.

30. TERMINATION

A. Termination for Convenience or Default. Transit may terminate the Contract, in whole or in part, for Transit's convenience or because of the failure of Contractor to fulfill the Contract obligations. Transit shall terminate by delivering to Contractor a Notice of Termination specifying the nature, extent, and effective date of the termination. Upon receipt of the notice, Contractor shall (1) immediately discontinue all services affected (unless the notice directs otherwise or Transit has granted Contractor a cure period as set forth in (B) below), and (2) deliver to Transit all data, drawings, specifications, reports, estimates, summaries, and other information and materials accumulated in performing this Contract, whether completed or in process.

- i. If the termination is for the convenience of Transit, Transit shall make an equitable adjustment in the Contract price such that all amounts due to Contractor for Products delivered and services performed are paid, but shall allow no anticipated profit on unperformed services.
- ii. If the termination is for failure of Contractor to fulfill the contract obligations, the Contractor shall only be paid for work delivered and accepted unless such work does not fulfill the Contract obligations. Transit may complete the work by Contract or otherwise and Contractor shall be liable for any additional cost incurred by Transit.
- iii. If, after termination for failure to fulfill Contract obligations, it is determined that Contractor was not in default, the rights and obligations of the parties shall be the same as if the termination had been issued for the convenience of Transit.

B. Opportunity to Cure. Transit in its sole discretion may, in the case of a termination for breach or default, allow Contractor a commercially reasonable period of time in which to cure the defect. In such case, the notice of termination will state the time period in which cure is permitted and other appropriate conditions.

- i. If Contractor fails to remedy to Transit's satisfaction, the breach or default or any of the terms, covenants, or conditions of this Contract within ten (10) days after receipt by Contractor of written notice from Transit setting forth the nature of said breach or default, Transit shall have the right to terminate the Contract without any further obligation to Contractor, except that Contractor shall be paid for work delivered and accepted unless such work does not fulfill the Contract obligations. Any such

termination for default shall not in any way operate to preclude Transit from also pursuing all available remedies against Contractor and its sureties for said breach or default.

31. WAIVER OF REMEDIES FOR ANY BREACH

In the event that Transit elects to waive its remedies for any breach by the Contractor of any covenant, term or condition of this Contract, such waiver by Transit shall not limit Transit's remedies for any succeeding breach of that or of any other term, covenant, or condition of this Contract.

32. WAIVER

Waiver of any breach of any term or condition of the Contract shall not be deemed a waiver of any prior or subsequent breach. No term or condition of the Contract shall be held to be waived, modified or deleted except by an instrument in writing signed by the parties hereto.

33. NOTICE

Notice provided for in this Contract shall be sent by certified mail to the addresses designated for the parties on the last page of this Contract.

34. ATTORNEYS FEES AND COSTS

If any legal proceeding is brought for the enforcement of this Contract, or because of an alleged dispute, breach, default, or misrepresentation in connection with any of the provisions of this Contract, the prevailing party shall be entitled to recover from the other party, in addition to any other relief to which such party may be entitled, reasonable attorney's fees and costs incurred in such action or proceeding.

35. LIQUIDATED DAMAGES

- A. Contractor agrees to pay Transit, as liquidated damages in accordance with Section 1-08.9 of the WSDOT Standard Specifications, as amended, for each working day in excess of the number of working days stipulated in the Contract Documents. Transit shall have the right to deduct and retain the amount of such liquidated damages from any monies due the Contractor.
- B. Contractor shall be entitled to reasonable extension of time for unavoidable delay in delivery due to causes not reasonably foreseeable by the parties at the time of the Contract execution, and that are entirely beyond the control and without the fault or negligence of the Contractor. These causes include, but are not limited to, acts of God or the public enemy, war, or national emergency making delivery temporarily impossible or illegal, acts or omissions of other suppliers, strikes and labor disputes not brought on by any act or omission of the Contractor, fire, flood, epidemics, quarantines, or freight embargos.

36. BREACHES AND DISPUTE RESOLUTION

- A. Except as otherwise provided in the Contract, Contractor must notify Transit in writing within thirty (30) Calendar Days of any dispute arising under the Contract which is not disposed of by agreement.

- B. All disputes shall be decided by the General Manager of Transit who shall indicate his/her decision in writing and mail or otherwise furnish a copy thereof to the Contractor. The decisions of the General Manager shall be final and conclusive, unless determined by a court of competent jurisdiction to have been fraudulent, capricious, arbitrary, so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.
- C. In connection with any appeal proceeding under this clause, the Contractor shall be afforded an opportunity to be heard within thirty (30) calendar days of the decision, and to offer evidence in support of their appeal. Pending final decisions of a dispute hereunder, the Contractor shall proceed diligently with the performance of the Contract in accord with the General Manager's decision, and such continued performance does not in any manner imply acceptance of our agreement with that decision by the Contractor, nor does it infringe upon the Contractor's right to appeal that decision. This clause does not preclude consideration of law questions in connection with decisions provided for in the above paragraph, provided that nothing in this Contract shall be construed as making final decision of any administrative official, representative, or board on a question of law.

37. PROMPT PAYMENT

In accordance with RCW 39.04.250, the Contractor is required to pay its subcontractors performing work related to this Contract for satisfactory performance of that work no later than ten (10) days after the Contractor's receipt of payment for that work from Transit. In addition, the Contractor is required to return any retainage payments to those subcontractors within thirty (30) days after the subcontractor's work related to this contract is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of Transit. This clause applies to both DBE and non-DBE subcontracts.

38. JURISDICTION

- A. This Contract has been and shall be construed as having been made and delivered within the state of Washington and it is agreed by each party hereto that this Contract shall be governed by laws of the state of Washington, both as to interpretation and performance.
- B. Any action of law, suit in equity, or judicial proceeding for the enforcement of this Contract or any provisions thereof shall be instituted and maintained only in any of the courts of competent jurisdiction in Thurston County, Washington.

39. SEVERABILITY

- A. It is understood and agreed by the parties that if any part, term or provision of this Contract is held by the courts to be illegal, the validity of the remaining provisions shall not be affected, and the rights and obligations of the parties shall

be construed and enforced as if the Contract did not contain the particular provision held to be invalid.

- B. If it should appear that any provision of this Contract is in conflict with any statutory provision of the State of Washington, said provision which may conflict therewith shall be deemed inoperative and null and void insofar as it may be in conflict therewith, and shall be deemed modified to conform to such statutory provision.

40. ENTIRE CONTRACT

The parties agree that this Contract is the complete expression of the terms hereto and any oral representations or understandings not incorporated herein are excluded. Failure to comply with any of the provisions stated herein shall constitute material breach of Contract and cause for termination. Both parties recognize time is of the essence in the performance of the provisions of this Contract. It is also agreed by the parties that the forgiveness of the nonperformance of any provision of this Contract does not constitute a waiver of the provisions of this Contract.

41. APPROVAL

The signatories to this Contract represent that they have the authority to bind their respective organizations to this Contract.

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed the day and year first hereinabove written.

INTERCITY TRANSIT
526 Pattison Street SE
Olympia, WA 98507

CONTRACTOR
Address
City, State, Zip

By: Ann Freeman-Manzanares Date
Its: General Manager

By: Authorized Representative Date
Its: Title

APPENDIX D

PAYMENT BOND

PAYMENT BOND

Bond No. _____

Intercity Transit (Obligee) has awarded to _____ (Principal), a contract for the construction of the project designated as _____, Project No. _____, in Thurston County, Washington (Contract), and said Principal is required under the terms of that Contract to furnish a Payment Bond in accord with RCW Titles 39 and 60.

The Principal, and _____ (Surety), a corporation organized under the laws of the State of _____ and licensed to do business in the State of Washington as surety and named in the current list of "Surety Companies Acceptable in Federal Bonds" as published in the Federal Register by the Audit Staff Bureau of Accounts, U.S. Treasury Dept., are jointly and severally held and firmly bound to the Obligee, in the sum of _____ US Dollars (\$ _____) Total Contract Amount, subject to the provisions herein.

This statutory Payment Bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall pay all persons in accordance with RCW Titles 39, and 60, including all workers, laborers, mechanics, subcontractors, and materialmen, and all persons who shall supply such Contractor or subcontractor with provisions and supplies for the carrying on of such work, and all taxes incurred on said Contract under RCW Titles 50 and 51 and all taxes imposed on the Principal under RCW Title 82 ; and if such payment obligations have not been fulfilled, this bond shall remain in full force and effect.

The above-named Principal and Surety hereby jointly and severally agree that every claimant, who has not been paid in full, may sue on this bond for the use of such claimant, prosecute the suit to final judgment in for such sum or sums as may be justly due claimant, and have execution thereon. The Obligee shall not be liable for the payment of any judgment, costs, expenses or attorneys' fees of any such suit.

The Surety for value received agrees that no change, extension of time, alteration or addition to the terms of the Contract, the specifications accompanying the Contract, or to the Work to be performed under the Contract shall in any way affect its obligation on this bond, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the Work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this bond and notice to Surety is not required for such increase obligation.

This obligation shall continue to bind the Principal and Surety, notwithstanding successive payments made hereunder, until the full amount of the obligation is exhausted, or if the full amount of the obligation is not exhausted and no claim is pending resolution, until such time as no further claims can be made pursuant to law with regard to the above-described project.

APPENDIX E

PERFORMANCE BOND

ATTACHMENT A

WAGE RATES

State of Washington
 Department of Labor & Industries
 Prevailing Wage Section - Telephone 360-902-5335
 PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 9/11/2020

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Thurston	Asbestos Abatement Workers	Journey Level	\$52.39	5D	1H		View
Thurston	Boilermakers	Journey Level	\$69.29	5N	1C		View
Thurston	Brick Mason	Journey Level	\$60.57	7E	1N		View
Thurston	Brick Mason	Pointer-Caulker-Cleaner	\$60.57	7E	1N		View
Thurston	Building Service Employees	Janitor	\$13.50		1		View
Thurston	Building Service Employees	Shampooer	\$13.50		1		View
Thurston	Building Service Employees	Waxer	\$13.50		1		View
Thurston	Building Service Employees	Window Cleaner	\$13.50		1		View
Thurston	Cabinet Makers (In Shop)	Journey Level	\$13.50		1		View
Thurston	Carpenters	Acoustical Worker	\$64.94	7A	4C		View
Thurston	Carpenters	Carpenter	\$64.94	7A	4C		View
Thurston	Carpenters	Carpenters on Stationary Tools	\$65.07	7A	4C		View
Thurston	Carpenters	Creosoted Material	\$65.07	7A	4C		View
Thurston	Carpenters	Floor Finisher	\$64.94	7A	4C		View
Thurston	Carpenters	Floor Layer	\$64.94	7A	4C		View
Thurston	Carpenters	Scaffold Erector	\$64.94	7A	4C		View
Thurston	Cement Masons	Application of all Composition Mastic	\$64.84	7A	4U		View
Thurston	Cement Masons	Application of all Epoxy Material	\$64.34	7A	4U		View
Thurston	Cement Masons	Application of all Plastic Material	\$64.84	7A	4U		View
Thurston	Cement Masons	Application of Sealing Compound	\$64.34	7A	4U		View
Thurston	Cement Masons	Application of Underlayment	\$64.84	7A	4U		View
Thurston	Cement Masons	Building General	\$64.34	7A	4U		View
Thurston	Cement Masons	Composition or Kalman Floors	\$64.84	7A	4U		View
Thurston	Cement Masons	Concrete Paving	\$64.34	7A	4U		View
Thurston	Cement Masons	Curb & Gutter Machine	\$64.84	7A	4U		View
Thurston	Cement Masons	Curb & Gutter, Sidewalks	\$64.34	7A	4U		View
Thurston	Cement Masons	Curing Concrete	\$64.34	7A	4U		View

Thurston	Cement Masons	Finish Colored Concrete	\$64.84	7A	4U		View
Thurston	Cement Masons	Floor Grinding	\$64.84	7A	4U		View
Thurston	Cement Masons	Floor Grinding/Polisher	\$64.34	7A	4U		View
Thurston	Cement Masons	Green Concrete Saw, self-powered	\$64.84	7A	4U		View
Thurston	Cement Masons	Grouting of all Plates	\$64.34	7A	4U		View
Thurston	Cement Masons	Grouting of all Tilt-up Panels	\$64.34	7A	4U		View
Thurston	Cement Masons	Gunite Nozzleman	\$64.84	7A	4U		View
Thurston	Cement Masons	Hand Powered Grinder	\$64.84	7A	4U		View
Thurston	Cement Masons	Journey Level	\$64.34	7A	4U		View
Thurston	Cement Masons	Patching Concrete	\$64.34	7A	4U		View
Thurston	Cement Masons	Pneumatic Power Tools	\$64.84	7A	4U		View
Thurston	Cement Masons	Power Chipping & Brushing	\$64.84	7A	4U		View
Thurston	Cement Masons	Sand Blasting Architectural Finish	\$64.84	7A	4U		View
Thurston	Cement Masons	Screed & Rodding Machine	\$64.84	7A	4U		View
Thurston	Cement Masons	Spackling or Skim Coat Concrete	\$64.34	7A	4U		View
Thurston	Cement Masons	Troweling Machine Operator	\$64.84	7A	4U		View
Thurston	Cement Masons	Troweling Machine Operator on Colored Slabs	\$64.84	7A	4U		View
Thurston	Cement Masons	Tunnel Workers	\$64.84	7A	4U		View
Thurston	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$116.80	7A	4C		View
Thurston	Divers & Tenders	Dive Supervisor/Master	\$81.98	7A	4C		View
Thurston	Divers & Tenders	Diver	\$118.80	7A	4C	8V	View
Thurston	Divers & Tenders	Diver On Standby	\$76.98	7A	4C		View
Thurston	Divers & Tenders	Diver Tender	\$69.91	7A	4C		View
Thurston	Divers & Tenders	Manifold Operator	\$69.91	7A	4C		View
Thurston	Divers & Tenders	Manifold Operator Mixed Gas	\$74.91	7A	4C		View
Thurston	Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$69.91	7A	4C		View
Thurston	Divers & Tenders	Remote Operated Vehicle Tender	\$65.19	7A	4C		View
Thurston	Dredge Workers	Assistant Engineer	\$70.62	5D	3F		View
Thurston	Dredge Workers	Assistant Mate (Deckhand)	\$70.07	5D	3F		View
Thurston	Dredge Workers	Boatmen	\$70.62	5D	3F		View
Thurston	Dredge Workers	Engineer Welder	\$71.97	5D	3F		View
Thurston	Dredge Workers	Leverman, Hydraulic	\$73.41	5D	3F		View
Thurston	Dredge Workers	Mates	\$70.62	5D	3F		View
Thurston	Dredge Workers	Oiler	\$70.07	5D	3F		View
Thurston	Drywall Applicator	Journey Level	\$64.94	5D	1H		View
Thurston	Drywall Tapers	Journey Level	\$65.31	5P	1E		View
Thurston	Electrical Fixture Maintenance Workers	Journey Level	\$29.54		1		View
Thurston	Electricians - Inside	Cable Splicer	\$77.53	5C	1G		View
Thurston	Electricians - Inside	Journey Level	\$72.56	5C	1G		View
Thurston	Electricians - Inside	Lead Covered Cable Splicer	\$82.51	5C	1G		View

Thurston	Electricians - Inside	Welder	\$77.53	5C	1G		View
Thurston	Electricians - Motor Shop	Craftsman	\$15.37		1		View
Thurston	Electricians - Motor Shop	Journey Level	\$14.69		1		View
Thurston	Electricians - Powerline Construction	Cable Splicer	\$82.39	5A	4D		View
Thurston	Electricians - Powerline Construction	Certified Line Welder	\$75.64	5A	4D		View
Thurston	Electricians - Powerline Construction	Groundperson	\$49.17	5A	4D		View
Thurston	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$75.64	5A	4D		View
Thurston	Electricians - Powerline Construction	Journey Level Lineperson	\$75.64	5A	4D		View
Thurston	Electricians - Powerline Construction	Line Equipment Operator	\$64.54	5A	4D		View
Thurston	Electricians - Powerline Construction	Meter Installer	\$49.17	5A	4D	8W	View
Thurston	Electricians - Powerline Construction	Pole Sprayer	\$75.64	5A	4D		View
Thurston	Electricians - Powerline Construction	Powderperson	\$56.49	5A	4D		View
Thurston	Electronic Technicians	Journey Level	\$46.47	6Z	1B		View
Thurston	Elevator Constructors	Mechanic	\$97.31	7D	4A		View
Thurston	Elevator Constructors	Mechanic In Charge	\$105.06	7D	4A		View
Thurston	Fabricated Precast Concrete Products	Journey Level	\$13.50		1		View
Thurston	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.50		1		View
Thurston	Fence Erectors	Fence Erector	\$44.40	7A	4V	8Y	View
Thurston	Fence Erectors	Fence Laborer	\$44.40	7A	4V	8Y	View
Thurston	Flaggers	Journey Level	\$44.40	7A	4V	8Y	View
Thurston	Glaziers	Journey Level	\$69.26	7L	1Y		View
Thurston	Heat & Frost Insulators And Asbestos Workers	Journeyman	\$79.43	5J	4H		View
Thurston	Heating Equipment Mechanics	Journey Level	\$89.61	7F	1E		View
Thurston	Hod Carriers & Mason Tenders	Journey Level	\$54.01	7A	4V	8Y	View
Thurston	Industrial Power Vacuum Cleaner	Journey Level	\$13.50		1		View
Thurston	Inland Boatmen	Boat Operator	\$61.41	5B	1K		View
Thurston	Inland Boatmen	Cook	\$56.48	5B	1K		View
Thurston	Inland Boatmen	Deckhand	\$57.48	5B	1K		View
Thurston	Inland Boatmen	Deckhand Engineer	\$58.81	5B	1K		View
Thurston	Inland Boatmen	Launch Operator	\$58.89	5B	1K		View
Thurston	Inland Boatmen	Mate	\$57.31	5B	1K		View
Thurston	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$13.50		1		View
Thurston	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$13.50		1		View

Thurston	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$13.50		1		View
Thurston	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$25.00		1		View
Thurston	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$13.50		1		View
Thurston	Insulation Applicators	Journey Level	\$64.94	7A	4C		View
Thurston	Ironworkers	Journeyman	\$75.23	7N	10		View
Thurston	Laborers	Air, Gas Or Electric Vibrating Screed	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Airtrac Drill Operator	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Ballast Regular Machine	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Batch Weighman	\$44.40	7A	4V	8Y	View
Thurston	Laborers	Brick Pavers	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Brush Cutter	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Brush Hog Feeder	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Burner	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Caisson Worker	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Carpenter Tender	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Cement Dumper-paving	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Cement Finisher Tender	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Change House Or Dry Shack	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Chipping Gun (30 Lbs. And Over)	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Chipping Gun (Under 30 Lbs.)	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Choker Setter	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Chuck Tender	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Clary Power Spreader	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Clean-up Laborer	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Concrete Dumper/Chute Operator	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Concrete Form Stripper	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Concrete Placement Crew	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Concrete Saw Operator/Core Driller	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Crusher Feeder	\$44.40	7A	4V	8Y	View
Thurston	Laborers	Curing Laborer	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Ditch Digger	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Diver	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Drill Operator (Hydraulic, Diamond)	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Dry Stack Walls	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Dump Person	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Epoxy Technician	\$52.39	7A	4V	8Y	View

Thurston	Laborers	Erosion Control Worker	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Faller & Bucker Chain Saw	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Fine Graders	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Firewatch	\$44.40	7A	4V	8Y	View
Thurston	Laborers	Form Setter	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Gabian Basket Builders	\$52.39	7A	4V	8Y	View
Thurston	Laborers	General Laborer	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Grade Checker & Transit Person	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Grinders	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Grout Machine Tender	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Groutmen (Pressure) Including Post Tension Beams	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Guardrail Erector	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Hazardous Waste Worker (Level A)	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Hazardous Waste Worker (Level B)	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Hazardous Waste Worker (Level C)	\$52.39	7A	4V	8Y	View
Thurston	Laborers	High Scaler	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Jackhammer	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Laserbeam Operator	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Maintenance Person	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Manhole Builder-Mudman	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Material Yard Person	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Motorman-Dinky Locomotive	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Nozzleman (Concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Blaster, Vacuum Blaster)	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Pavement Breaker	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Pilot Car	\$44.40	7A	4V	8Y	View
Thurston	Laborers	Pipe Layer Lead	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Pipe Layer/Tailor	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Pipe Pot Tender	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Pipe Reliner	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Pipe Wrapper	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Pot Tender	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Powderman	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Powderman's Helper	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Power Jacks	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Railroad Spike Puller - Power	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Raker - Asphalt	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Re-timberman	\$54.01	7A	4V	8Y	View
Thurston	Laborers	Remote Equipment Operator	\$53.35	7A	4V	8Y	View

Thurston	Laborers	Rigger/Signal Person	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Rip Rap Person	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Rivet Buster	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Rodder	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Scaffold Erector	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Scale Person	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Sloper (Over 20")	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Sloper Sprayer	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Spreader (Concrete)	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Stake Hopper	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Stock Piler	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Swinging Stage/Boatswain Chair	\$44.40	7A	4V	8Y	View
Thurston	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Tamper (Multiple & Self-propelled)	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Toolroom Person (at Jobsite)	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Topper	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Track Laborer	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Track Liner (Power)	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Traffic Control Laborer	\$47.48	7A	4V	9C	View
Thurston	Laborers	Traffic Control Supervisor	\$50.31	7A	4V	9C	View
Thurston	Laborers	Truck Spotter	\$52.39	7A	4V	8Y	View
Thurston	Laborers	Tugger Operator	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$129.67	7A	4V	9B	View
Thurston	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$134.70	7A	4V	9B	View
Thurston	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$138.38	7A	4V	9B	View
Thurston	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$144.08	7A	4V	9B	View
Thurston	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$146.20	7A	4V	9B	View
Thurston	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$151.30	7A	4V	9B	View
Thurston	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$153.20	7A	4V	9B	View
Thurston	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$155.20	7A	4V	9B	View
Thurston	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$157.20	7A	4V	9B	View
Thurston	Laborers	Tunnel Work-Guage and Lock Tender	\$54.11	7A	4V	8Y	View
Thurston	Laborers	Tunnel Work-Miner	\$54.11	7A	4V	8Y	View
Thurston	Laborers	Vibrator	\$53.35	7A	4V	8Y	View
Thurston	Laborers	Vinyl Seamer	\$52.39	7A	4V	8Y	View

Thurston	Laborers	Watchman	\$40.36	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Thurston	Laborers	Welder	\$53.35	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Thurston	Laborers	Well Point Laborer	\$53.35	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Thurston	Laborers	Window Washer/Cleaner	\$40.36	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Thurston	Laborers - Underground Sewer & Water	General Laborer & Topman	\$52.39	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Thurston	Laborers - Underground Sewer & Water	Pipe Layer	\$53.35	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Thurston	Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	\$40.36	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Thurston	Landscape Construction	Landscape Operator	\$69.02	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Thurston	Landscape Maintenance	Groundskeeper	\$14.41		<u>1</u>		View
Thurston	Lathers	Journey Level	\$64.94	<u>5D</u>	<u>1H</u>		View
Thurston	Marble Setters	Journey Level	\$60.57	<u>7E</u>	<u>1N</u>		View
Thurston	Metal Fabrication (In Shop)	Fitter	\$27.10	<u>6T</u>	<u>2U</u>		View
Thurston	Metal Fabrication (In Shop)	Laborer	\$16.91	<u>6T</u>	<u>2U</u>		View
Thurston	Metal Fabrication (In Shop)	Layerout	\$30.63	<u>6T</u>	<u>2U</u>		View
Thurston	Metal Fabrication (In Shop)	Machine Operator	\$20.86	<u>6T</u>	<u>2U</u>		View
Thurston	Metal Fabrication (In Shop)	Welder	\$24.74	<u>6T</u>	<u>2U</u>		View
Thurston	Millwright	Journey Level	\$66.44	<u>7A</u>	<u>4C</u>		View
Thurston	Modular Buildings	Cabinet Assembly	\$13.50		<u>1</u>		View
Thurston	Modular Buildings	Electrician	\$13.50		<u>1</u>		View
Thurston	Modular Buildings	Equipment Maintenance	\$13.50		<u>1</u>		View
Thurston	Modular Buildings	Plumber	\$13.50		<u>1</u>		View
Thurston	Modular Buildings	Production Worker	\$13.50		<u>1</u>		View
Thurston	Modular Buildings	Tool Maintenance	\$13.50		<u>1</u>		View
Thurston	Modular Buildings	Utility Person	\$13.50		<u>1</u>		View
Thurston	Modular Buildings	Welder	\$13.50		<u>1</u>		View
Thurston	Painters	Journey Level	\$43.40	<u>6Z</u>	<u>2B</u>		View
Thurston	Pile Driver	Crew Tender	\$69.91	<u>7A</u>	<u>4C</u>		View
Thurston	Pile Driver	Crew Tender/Technician	\$69.91	<u>7A</u>	<u>4C</u>		View
Thurston	Pile Driver	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$80.76	<u>7A</u>	<u>4C</u>		View
Thurston	Pile Driver	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$85.76	<u>7A</u>	<u>4C</u>		View
Thurston	Pile Driver	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$89.76	<u>7A</u>	<u>4C</u>		View
Thurston	Pile Driver	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$94.76	<u>7A</u>	<u>4C</u>		View
Thurston	Pile Driver	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$97.26	<u>7A</u>	<u>4C</u>		View
Thurston	Pile Driver	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$102.26	<u>7A</u>	<u>4C</u>		View

Thurston	Pile Driver	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$104.26	7A	4C		View
Thurston	Pile Driver	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$106.26	7A	4C		View
Thurston	Pile Driver	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$108.26	7A	4C		View
Thurston	Pile Driver	Journey Level	\$65.19	7A	4C		View
Thurston	Plasterers	Journey Level	\$61.67	7Q	1R		View
Thurston	Playground & Park Equipment Installers	Journey Level	\$13.50		1		View
Thurston	Plumbers & Pipefitters	Journey Level	\$77.97	5A	1G		View
Thurston	Power Equipment Operators	Asphalt Plant Operator	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Assistant Engineer	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators	Barrier Machine (zipper)	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Batch Plant Operator: Concrete	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Bobcat	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Brooms	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Bump Cutter	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Cableways	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Chipper	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Compressor	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Concrete Finish Machine -laser Screed	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Conveyors	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Cranes Friction: 200 tons and over	\$72.63	7A	3K	8P	View
Thurston	Power Equipment Operators	Cranes, A-frame: 10 tons and under	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$71.20	7A	3K	8P	View
Thurston	Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	\$69.87	7A	3K	8P	View
Thurston	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$71.93	7A	3K	8P	View

Thurston	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$72.63	7A	3K	8P	View
Thurston	Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$70.49	7A	3K	8P	View
Thurston	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$71.93	7A	3K	8P	View
Thurston	Power Equipment Operators	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators	Crusher	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Deck Engineer/deck Winches (power)	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Derricks: on building work	\$70.49	7A	3K	8P	View
Thurston	Power Equipment Operators	Dozers D-9 & Under	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Drilling Machine	\$70.88	7A	3K	8X	View
Thurston	Power Equipment Operators	Elevator and man-lift: permanent and shaft type	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Forklift: 3000 lbs and over with attachments	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators	Grade Engineer: Using Blueprints, Cut Sheets,etc.	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Gradechecker/stakeman	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Guardrail punch/Auger	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Horizontal/directional Drill Locator	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Horizontal/directional Drill Operator	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators	Hydralifts/boom trucks: over 10 tons	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$70.88	7A	3K	8X	View
Thurston	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Loaders, Overhead Under 6	\$69.55	7A	3K	8X	View

		Yards					
Thurston	Power Equipment Operators	Loaders, Plant Feed	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Loaders: Elevating Type Belt	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Locomotives, All	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Material Transfer Device	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$71.20	7A	3K	8P	View
Thurston	Power Equipment Operators	Motor patrol graders	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	\$69.87	7A	3K	8P	View
Thurston	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Overhead, bridge type: 100 tons and over	\$71.20	7A	3K	8P	View
Thurston	Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	\$70.49	7A	3K	8P	View
Thurston	Power Equipment Operators	Pavement Breaker	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Posthole Digger, Mechanical	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Power Plant	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Pumps - Water	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Quad 9, HD 41, D10 And Over	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Quick Tower: no cab, under 100 feet in height based to boom	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Rigger and Bellman	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators	Rollagon	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Roller, Other Than Plant Mix	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Roto-mill, Roto-grinder	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Saws - Concrete	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Scrapers - Concrete & Carry All	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Scrapers, Self-propelled: 45	\$70.17	7A	3K	8X	View

		Yards And Over					
Thurston	Power Equipment Operators	Service Engineers: equipment	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators	Shotcrete/gunite Equipment	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$70.88	7A	3K	8X	View
Thurston	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$71.60	7A	3K	8X	View
Thurston	Power Equipment Operators	Slipform Pavers	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Spreader, Topsider & Screedman	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Subgrader Trimmer	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Tower Bucket Elevators	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	\$71.93	7A	3K	8P	View
Thurston	Power Equipment Operators	Tower crane: up to 175' in height base to boom	\$71.20	7A	3K	8P	View
Thurston	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom.	\$72.63	7A	3K	8P	View
Thurston	Power Equipment Operators	Transporters, All Track Or Truck Type	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators	Trenching Machines	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	\$69.87	7A	3K	8P	View
Thurston	Power Equipment Operators	Truck crane oiler/driver: under 100 tons	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators	Truck Mount Portable Conveyor	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators	Welder	\$70.49	7A	3K	8P	View
Thurston	Power Equipment Operators	Wheel Tractors, Farmall Type	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators	Yo Yo Pay Dozer	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operator	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator: Concrete	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Bobcat	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Brooms	\$66.01	7A	3K	8X	View

Thurston	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cableways	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Chipper	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Compressor	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine -laser Screed	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Conveyors	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cranes Friction: 200 tons and over	\$72.63	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cranes, A-frame: 10 tons and under	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$71.20	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	\$69.87	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$71.93	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$72.63	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$70.49	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$71.93	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Crusher	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Deck Engineer /deck Winches (power)	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Derricks: on building work	\$70.49	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	\$69.02	7A	3K	8X	View

Thurston	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	\$70.88	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blueprints, Cut Sheets,etc.	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Gradechecker/stakeman	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Guardrail punch/Auger	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Locator	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Horizontal/directional Drill Operator	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$70.88	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$71.20	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Motor patrol graders	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-	Mucking Machine, Mole, Tunnel	\$70.17	7A	3K	8X	View

	Underground Sewer & Water	Drill, Boring, Road Header And/or Shield					
Thurston	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	\$69.87	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 100 tons and over	\$71.20	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	\$70.49	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Power Plant	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Quad 9, HD 41, D10 And Over	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height based to boom	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Rigger and Bellman	\$66.30	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Rollagon	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	\$69.02	7A	3K	8X	View

Thurston	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Service Engineers: equipment	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Shotcrete/gunite Equipment	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$70.88	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	\$71.93	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Tower crane: up to 175' in height base to boom	\$71.20	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom.	\$72.63	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	\$70.17	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	\$69.02	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	\$69.87	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	\$69.33	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	\$69.55	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Welder	\$70.49	7A	3K	8P	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	\$66.01	7A	3K	8X	View
Thurston	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	\$69.55	7A	3K	8X	View
Thurston	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$53.10	5A	4A		View
Thurston	Power Line Clearance Tree Trimmers	Spray Person	\$50.40	5A	4A		View
Thurston	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$53.10	5A	4A		View

Thurston	Power Line Clearance Tree Trimmers	Tree Trimmer	\$47.48	<u>5A</u>	<u>4A</u>	View
Thurston	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$36.10	<u>5A</u>	<u>4A</u>	View
Thurston	Refrigeration & Air Conditioning Mechanics	Journey Level	\$77.96	<u>5A</u>	<u>1G</u>	View
Thurston	Residential Brick Mason	Journey Level	\$35.53		<u>1</u>	View
Thurston	Residential Carpenters	Journey Level	\$33.49		<u>1</u>	View
Thurston	Residential Cement Masons	Journey Level	\$18.09		<u>1</u>	View
Thurston	Residential Drywall Applicators	Journey Level	\$48.17	<u>7A</u>	<u>4C</u>	View
Thurston	Residential Drywall Tapers	Journey Level	\$23.25		<u>1</u>	View
Thurston	Residential Electricians	Journey Level	\$36.53	<u>5A</u>	<u>1B</u>	View
Thurston	Residential Glaziers	Journey Level	\$45.90	<u>7L</u>	<u>1H</u>	View
Thurston	Residential Insulation Applicators	Journey Level	\$24.16		<u>1</u>	View
Thurston	Residential Laborers	Journey Level	\$22.73		<u>1</u>	View
Thurston	Residential Marble Setters	Journey Level	\$35.53		<u>1</u>	View
Thurston	Residential Painters	Journey Level	\$20.77		<u>1</u>	View
Thurston	Residential Plumbers & Pipefitters	Journey Level	\$26.35		<u>1</u>	View
Thurston	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$34.42		<u>1</u>	View
Thurston	Residential Sheet Metal Workers	Journey Level (Field or Shop)	\$54.01	<u>7F</u>	<u>1R</u>	View
Thurston	Residential Soft Floor Layers	Journey Level	\$20.67		<u>1</u>	View
Thurston	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$24.63		<u>1</u>	View
Thurston	Residential Stone Masons	Journey Level	\$35.53		<u>1</u>	View
Thurston	Residential Terrazzo Workers	Journey Level	\$14.86		<u>1</u>	View
Thurston	Residential Terrazzo/Tile Finishers	Journey Level	\$21.96		<u>1</u>	View
Thurston	Residential Tile Setters	Journey Level	\$14.86		<u>1</u>	View
Thurston	Roofers	Journey Level	\$54.62	<u>5A</u>	<u>20</u>	View
Thurston	Roofers	Using Irritable Bituminous Materials	\$57.62	<u>5A</u>	<u>20</u>	View
Thurston	Sheet Metal Workers	Journey Level (Field or Shop)	\$89.61	<u>7F</u>	<u>1E</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Boilermaker	\$36.36	<u>7V</u>	<u>1</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Carpenter	\$36.36	<u>7V</u>	<u>1</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Crane Operator	\$36.36	<u>7V</u>	<u>1</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Electrician	\$36.36	<u>7V</u>	<u>1</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	\$79.43	<u>5J</u>	<u>4H</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Laborer	\$36.36	<u>7V</u>	<u>1</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Machinist	\$36.36	<u>7V</u>	<u>1</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Operating Engineer	\$36.36	<u>7V</u>	<u>1</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Painter	\$36.36	<u>7V</u>	<u>1</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Pipefitter	\$36.36	<u>7V</u>	<u>1</u>	View
Thurston	Shipbuilding & Ship Repair	New Construction Rigger	\$36.36	<u>7V</u>	<u>1</u>	View

Thurston	Shipbuilding & Ship Repair	New Construction Sheet Metal	\$36.36	7V	1	View
Thurston	Shipbuilding & Ship Repair	New Construction Shipfitter	\$36.36	7V	1	View
Thurston	Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	\$36.36	7V	1	View
Thurston	Shipbuilding & Ship Repair	New Construction Welder / Burner	\$36.36	7V	1	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Boilermaker	\$46.15	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Carpenter	\$44.95	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Crane Operator	\$45.06	7Y	4K	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Electrician	\$47.42	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	\$79.43	5J	4H	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Laborer	\$46.15	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Machinist	\$46.15	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Operating Engineer	\$45.06	7Y	4K	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Painter	\$46.15	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Pipefitter	\$46.15	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Rigger	\$46.15	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Sheet Metal	\$46.15	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Shipwright	\$44.95	7X	4J	View
Thurston	Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	\$45.06	7Y	4K	View
Thurston	Sign Makers & Installers (Electrical)	Journey Level	\$18.04		1	View
Thurston	Sign Makers & Installers (Non-Electrical)	Journey Level	\$15.50		1	View
Thurston	Soft Floor Layers	Journey Level	\$51.07	5A	3J	View
Thurston	Solar Controls For Windows	Journey Level	\$13.50		1	View
Thurston	Sprinkler Fitters (Fire Protection)	Journey Level	\$84.39	5C	1X	View
Thurston	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.50		1	View
Thurston	Stone Masons	Journey Level	\$60.57	7E	1N	View
Thurston	Street And Parking Lot Sweeper Workers	Journey Level	\$16.00		1	View
Thurston	Surveyors	Chain Person	\$68.39	7A	3K	View
Thurston	Surveyors	Instrument Person	\$69.02	7A	3K	View
Thurston	Surveyors	Party Chief	\$70.17	7A	3K	View
Thurston	Telecommunication Technicians	Journey Level	\$46.47	6Z	1B	View
Thurston	Telephone Line Construction - Outside	Cable Splicer	\$41.81	5A	2B	View
Thurston	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$23.53	5A	2B	View
Thurston	Telephone Line Construction - Outside	Installer (Repairer)	\$40.09	5A	2B	View
Thurston	Telephone Line Construction - Outside	Special Aparatus Installer I	\$41.81	5A	2B	View
Thurston	Telephone Line Construction - Outside	Special Apparatus Installer II	\$40.99	5A	2B	View
Thurston	Telephone Line Construction -	Telephone Equipment Operator	\$41.81	5A	2B	View

	Outside	(Heavy)					
Thurston	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$38.92	5A	2B		View
Thurston	Telephone Line Construction - Outside	Telephone Lineperson	\$38.92	5A	2B		View
Thurston	Telephone Line Construction - Outside	Television Groundperson	\$22.32	5A	2B		View
Thurston	Telephone Line Construction - Outside	Television Lineperson/Installer	\$29.60	5A	2B		View
Thurston	Telephone Line Construction - Outside	Television System Technician	\$35.20	5A	2B		View
Thurston	Telephone Line Construction - Outside	Television Technician	\$31.67	5A	2B		View
Thurston	Telephone Line Construction - Outside	Tree Trimmer	\$38.92	5A	2B		View
Thurston	Terrazzo Workers	Journey Level	\$55.71	7E	1N		View
Thurston	Tile Setters	Journey Level	\$55.71	7E	1N		View
Thurston	Tile, Marble & Terrazzo Finishers	Finisher	\$46.54	7E	1N		View
Thurston	Traffic Control Stripers	Journey Level	\$49.13	7A	1K		View
Thurston	Truck Drivers	Asphalt Mix Over 16 Yards	\$63.80	5D	4Y	8L	View
Thurston	Truck Drivers	Asphalt Mix To 16 Yards	\$62.96	5D	4Y	8L	View
Thurston	Truck Drivers	Dump Truck	\$62.96	5D	4Y	8L	View
Thurston	Truck Drivers	Dump Truck & Trailer	\$63.80	5D	4Y	8L	View
Thurston	Truck Drivers	Other Trucks	\$63.80	5D	4Y	8L	View
Thurston	Truck Drivers - Ready Mix	Transit Mix	\$63.80	5D	4Y	8L	View
Thurston	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$17.53		1		View
Thurston	Well Drillers & Irrigation Pump Installers	Oiler	\$13.50		1		View
Thurston	Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00		1		View

Benefit Code Key – Effective 9/2/2020 thru 3/2/2021

Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
 - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
 - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
 - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
- P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
- S. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays and all other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.
- W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.
- Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.
- Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.
 - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
 - G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
 - O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.
 - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
 - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
 - W. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
 - C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

Overtime Codes Continued

3.
 - E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
 - F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
 - H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
 - J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
 - K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
 - B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.
 - C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

Overtime Codes Continued

4. D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:

On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

- E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- H. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

- I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

- K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.
- M. All hours worked on Sunday and Holidays shall be paid at double the hourly rate. Any employee reporting to work less than nine (9) hours from their previous quitting time shall be paid for such time at time and one-half times the hourly rate.
- N. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays, and all work performed between the hours of midnight (12:00 AM) and eight AM (8:00 AM) every day shall be paid at double the hourly rate of wage.
- O. All hours worked between midnight Friday to midnight Sunday shall be paid at one and one-half the hourly rate of wage. After an employee has worked in excess of eight (8) continuous hours in any one or more calendar days, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of six (6) hours or more. All hours worked on Holidays shall be paid at double the hourly rate of wage.
- P. All hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage.
- Q. The first four (4) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday shall be paid at double the hourly rate. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- R. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- S. All hours worked on Saturdays and Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.
- T. The first two (2) hours of overtime for hours worked Monday-Friday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. For work on Saturday which is scheduled prior to the end of shift on Friday, the first six (6) hours work shall be paid at one and one-half times the hourly rate of wage, and all hours over (6) shall be paid double the hourly rate of wage. For work on Saturday which was assigned following the close of shift on Friday, all work shall be paid at double the hourly rate of wage.
- U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. V. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established or outside the normal shift (5 am to 6pm), and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

- W. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

- X. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. Work performed outside the normal shift of 6 am to 6pm shall be paid at one and one-half the straight time rate, (except for special shifts or three shift operations). All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. Shifts may be established when considered necessary by the Employer.

The Employer may establish shifts consisting of eight (8) or ten (10) hours of work (subject to WAC 296-127-022), that shall constitute a normal forty (40) hour work week. The Employer can change from a 5-eight to a 4-ten hour schedule or back to the other. All hours of work on these shifts shall be paid for at the straight time hourly rate. Work performed in excess of eight hours (or ten hours per day (subject to WAC 296-127-022) shall be paid at one and one-half the straight time rate.

When due to conditions beyond the control of the Employer, or when contract specifications require that work can only be performed outside the regular day shift, then by mutual agreement a special shift may be worked at the straight time rate, eight (8) hours work for eight (8) hours pay. The starting time shall be arranged to fit such conditions of work.

When an employee returns to work without at a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Overtime Codes Continued

4. Y. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. All work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay.

Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

ZOvertime Calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. Work performed on Sundays may be paid at double time. All hours worked on holidays shall be paid at double the hourly rate of wage.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).
- I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).

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Holiday Codes Continued

5. P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and a Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

Holiday Codes Continued

7. B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.
- X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.
- Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.

Holiday Codes Continued

7. Z. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
15. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the day before Christmas Day and Christmas Day. (8) Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- B. Holidays: New Year's Day, Martin Luther King Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day. (9)
- C. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the day before Christmas Day and Christmas Day. (8)
- D. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, and the day after Christmas.
- E. Holidays: the day before New Years's Day, New Year's Day, Martin Luther King, Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day. (12)

Note Codes

8. D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, And Class D Suit \$0.50.
- Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

Note Codes Continued

8. T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.
- V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.
- Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.
- Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.
- W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.
- X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, and Class D Suit: \$0.50. Special Shift Premium: Basic hourly rate plus \$2.00 per hour.
- When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)
- Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.
- Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

Note Codes Continued

8. Z. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.

Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

9. A. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.

Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications require that more than four (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Certified Crane Operator Premium: Crane operators requiring certifications shall be paid \$0.50 per hour above their classification rate.

Boom Pay Premium: All cranes including tower shall be paid as follows based on boom length:

- (A) – 130’ to 199’ – \$0.50 per hour over their classification rate.
- (B) – 200’ to 299’ – \$0.80 per hour over their classification rate.
- (C) – 300’ and over – \$1.00 per hour over their classification rate.

- B. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

- C. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

Note Codes Continued

- 9. D. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, bridges, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.
- E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

ATTACHMENT B

3M SAFETY & SECURITY FILM SPEC



SECTION 08 87 16

SAFETY AND SECURITY WINDOW FILM

Display hidden notes to specifier. (Don't know how? [Click Here](#))
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PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Safety and security window film.
- B. Anti-graffiti window film.
- C. Film attachment systems.

1.2 RELATED SECTIONS

- A. Section 08 54 13 - Fiberglass Windows.
- B. Section 08 60 00 - Roof Windows and Skylights.
- C. Section 08 83 13 - Mirrored Glass Glazing.
- D. Section 08 44 23 - Structural Sealant Glazed Curtain Wall.

1.3 REFERENCES

- A. ASHRAE - American Society for Heating, Refrigeration, and Air Conditioning Engineers; Handbook of Fundamentals.
- B. ASTM International (ASTM):
 1. ASTM D882 - Standard Test Method for Tensile Properties of Thin Plastic Sheeting.
 2. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension.
 3. ASTM D624 - Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers
 4. ASTM D1004 - Standard Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting.
 5. ASTM D1044 - Standard Method of Test for Resistance of Transparent Plastics to Surface Abrasion (Taber Abrader Test).
 6. ASTM D2240 - Standard Method for Rubber Property - Durometer Hardness.
 7. ASTM D2582 - Standard Test Method for Puncture-Propagation Tear Resistance of Plastic Film and Thin Sheeting.

8. ASTM D5895 - Standard Test Methods for Evaluating Drying or Curing During Film Formation of Organic Coatings Using Mechanical Recorders.
 9. ASTM D4830 - Standard Test Methods for Characterizing Thermoplastic Fabrics Used in Roofing and Waterproofing.
 10. ASTM E84 - Standard Method of Test for Surface Burning Characteristics of Building Materials.
 11. ASTM E903 - Standard Methods of Test for Solar Absorbance, Reflectance and Transmittance of Materials Using Integrating Spheres.
 12. ASTM E1886 - Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials.
 13. ASTM E1996 - Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes.
 14. ASTM F1642 - Standard Method of Test for Glazing and Glazing Systems Subject to Airblast Loadings.
 15. ASTM F2912 - Standard Specification for Glazing and Glazing Systems Subject to Airblast Loadings.
- C. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.
- D. Consumer Products Safety Commission 16 CFR, Part 1201 - Safety Standard for Architectural Glazing Materials.
- E. GSA-TS01-2003 -- Standard Test for Glazing and Glazing Systems Subject to Airblast Loadings.
- F. ISO 16933, International Standard for Glass in Building: Explosion-resistant security glazing - Test and classification for arena air-blast testing.
- G. Underwriters Laboratories Inc. (UL): UL 972 - Burglary Resisting Glazing Material.

1.4 PERFORMANCE REQUIREMENTS

- A. Safety Glazing Impact Performance:
1. 400 ft-lbs impact resistance, meeting ANSI Z97.1 (Class A, Unlimited) and 16 CFR 1201 (Category 2) impact requirements with film applied on 1/4 inch annealed glass.
 2. Impact Resistance after Aging: 400 ft-lbs, meeting ANSI Z97.1 (Class A, Unlimited) and 16 CFR 1201 (Category 2) impact requirements with film applied on 1/8 inch annealed glass.
 3. 400 ft-lbs impact resistance, meeting 16 CFR 1201 (Category 2) impact requirements with film applied on 1/4 inch annealed glass.
 4. 150 ft-lbs impact resistance, meeting ANSI Z97.1 (Class B, Unlimited) and 16 CFR 1201 (Category 1) impact requirements with film applied on 1/4 inch annealed glass
 5. 400 ft-lbs impact resistance, meeting ANSI Z97.1 (Class A, Unlimited) or 16 CFR 1201 (Category 2) impact requirements with film applied on 1/4 inch annealed glass
 6. 150 ft-lbs impact resistance, meeting ANSI Z97.1 (Class B, Unlimited) and 16 CFR 1201 (Category 1) impact requirements with film applied on 1/4 inch annealed glass
 7. 400 ft-lbs impact resistance, meeting ANSI Z97.1 (Class A, Unlimited) and 16 CFR 1201 (Category 2) impact requirements with film is applied on 1/4 inch annealed glass

- B. Blast Hazard Mitigation Performance:
1. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 7 psi and 43 psi*msec, on 1/4 inch (6 mm) single pane glass and film attachment system.
 2. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with minimum blast load of 9 psi and 60 psi*msec, on 1 inch (25 mm) double pane glass and film attachment system.
 3. GSA Rating of "3B" / ASTM F1642 "Very Low Hazard" with minimum blast load of 5 psi and 28 psi*msec, on 1/4" single pane glass without film attachment system.
 4. GSA Rating of "3B" / ASTM F1642 "Low Hazard" with minimum blast load of 11 psi and 65 psi*msec, on 1 inch (25 mm) double pane glass without film attachment system.
 5. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 9 psi and 63 psi*msec, on 1/4" single pane glass and film attachment system.
 6. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with minimum blast load of 10 psi and 89 psi*msec, on 1 inch (25 mm) double pane glass and film attachment system.
 7. GSA Rating of "3B" / ASTM F1642 "Very Low Hazard" with minimum blast load of 5 psi and 28 psi*msec, on 1/4" pane glass without film attachment system.
 8. GSA Rating of "3B" / ASTM F1642 "Low Hazard" with blast minimum load of 10 psi and 42 psi*msec, on 1 inch (25 mm) double pane glass without film attachment system.
 9. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 6 psi and 45 psi*msec, on 1/4 inch (6 mm) single pane glass and film attachment system.
 10. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 9 psi and 60 psi*msec, on 1 inch (25 mm) double pane glass and film attachment system.
 11. GSA Rating of "3B" with minimum blast load of 4 psi and 28 psi*msec, on 1/4 inch (6 mm) single pane glass and film attachment system.
 12. GSA Rating of "3B" with minimum blast load of 10 psi and 89 psi*msec, on 1 inch (25 mm) double pane glass and film attachment system.
 13. GSA Rating of "3B" / ASTM F1642 "Minimal Hazard" with minimum blast load of 6 psi and 41 psi*msec, on 1/4 inch (6 mm) single pane glass and film attachment system.
 14. GSA Rating of "2" with minimum blast load of 12 psi and 66 psi*msec, on 1 inch (25 mm) double pane glass and film attachment system.
 15. GSA Rating of "3B" with minimum blast load of 4 psi and 29 psi*msec, on 1/4 inch (6 mm) pane glass without film attachment system.
 16. GSA Rating of "3B" with minimum blast load of 8 psi and 44 psi*msec, on 1/4 inch (6 mm) single pane glass and film attachment system.
 17. GSA Rating of "3B" with minimum blast load of 15 psi and 59 psi*msec, on 1 inch (25 mm) double pane glass without film attachment system.
 18. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 5 psi and 32 psi*msec, on 1/4 inch (6 mm) single pane glass and film attachment system.
 19. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 5 psi and 30 psi*msec, on 1 inch (25 mm) double pane glass and film attachment system.
- C. Impact Resistance and Pressure Cycling:
1. ASTM E1996 / E1886: Small Missile "A", +/- 80 psf Design Pressure.
 2. ASTM E1996 / E1886: Large Missile "C", +/- 75 psf Design Pressure
 3. ASTM E1996 / E1886: Small Missile "A", +/- 70 psf Design Pressure

4. ASTM E1996 / E1886: Small Missile "A", +/- 60 psf Design Pressure
 5. ASTM E1996 / E1886: Large Missile "C", +/- 60 psf Design Pressure
- D. Tear Resistance:
1. Minimum Graves Area Tear Strength of 1,000 lbs% as measured on coated film product, without liner, per ASTM D1004.
 2. Minimum Graves Area Tear Strength of 1,200 lbs% as measured on coated film product, without liner, per ASTM D1004.
 3. Minimum Graves Area Tear Strength of 1,100 lbs% as measured on coated film product, without liner, per ASTM D1004
- E. Adhesion to Glass:
1. Minimum 8 lbs/in peel strength per ASTM D3330 (Method A).
 2. Minimum 6 lbs/in peel strength per ASTM D3330 (Method A).
 3. Minimum 6 lbs/in peel strength per ASTM D3330 (Method A).
 4. Nominal 4 lbs/in peel strength per ASTM D3330 (Method A).
 5. Nominal 5 lbs/in peel strength per ASTM D3330 (Method A).
 6. Minimum 2 lbs/in peel strength per ASTM D3330 (Method A).
 7. Nominal 4 lbs/in peel strength per ASTM D3330 (Method A).
 8. Nominal 4 lbs/in peel strength per ASTM D3330 (Method A).
 9. Nominal 5 lbs/in peel strength per ASTM D3330 (Method A).
 10. Minimum 3 lbs/in peel strength per ASTM D3330 (Method A).
 11. Nominal 1 lbs/in peel strength per ASTM D3330 (Method A).
- F. Flammability: Surface burning characteristics when tested in accordance ASTM E 84, demonstrating film applied to glass rated Class A for Interior Use:
1. Flame Spread Index: no greater than 25.
 2. Smoke Developed Index: no greater than 55.
- G. Abrasion Resistance:
1. Film shall have a surface coating that is resistant to abrasion such that less than 3 percent increase of transmitted light haze will result when tested in accordance to ASTM D 1044 using 100 cycles, 500 grams weight, and the CS10F Calibrase Wheel.
 2. Film shall have a surface coating that is resistant to abrasion such that less than 3 percent increase of transmitted light haze will result when tested in accordance to ASTM D 1044 using 100 cycles, 500 grams weight, and the CS10F Calibrase Wheel.
 3. Film shall have a surface coating that is resistant to abrasion such that less than 5 percent increase of transmitted light haze will result when tested in accordance to ASTM D 1044 using 100 cycles, 500 grams weight, and the CS10F Calibrase Wheel.
 4. Film shall have a surface coating that is resistant to abrasion such that a nominal 5 percent increase of transmitted light haze will result when tested in accordance to ASTM D 1044 using 100 cycles, 500 grams weight, and the CS10F Calibrase Wheel.
 5. Film shall have a surface coating that is resistant to abrasion such that a nominal 3 percent increase of transmitted light haze will result when tested in accordance to ASTM D 1044 using 100 cycles, 500 grams weight, and the CS10F Calibrase Wheel.
 6. Film shall have a surface coating that is resistant to abrasion such that less than 2 percent increase of transmitted light haze will result when tested in accordance to ASTM D 1044 using 100 cycles, 500 grams weight, and the CS10F Calibrase Wheel.
- H. UV Light Rejection:
1. Minimum of 99.9% UV light rejection (300 - 380 nm), per ASTM E903, as

- determined with film applied on 1/4 inch clear glass.
- 2. Minimum of 99.9% UV light rejection (300 - 380 nm), per ASTM E903, as determined with film applied on 1/4 inch clear glass.
- 3. Minimum of 99% UV light rejection (300 - 380 nm), per ASTM E903, as determined with film applied on 1/4 inch clear glass.
- 4. Minimum of 99.9% UV light rejection (300 - 380 nm), per ASTM E903, as determined with film applied on 1/4 inch clear glass.
- 5. Minimum of 99% UV light rejection (300 - 380 nm), per ASTM E903, as determined with film applied on 1/4 inch clear glass

1.5 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's current technical literature on each product to be used, including:
 - 1. Manufacturer's Data Sheets.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Installation methods.
- C. 3rd Party Test Report Submittal Requirements. Submit the following 3rd Party test reports indicating compliance with the test values listed in this section.
 - 1. Flammability Testing, ASTM E84.
 - 2. Film Properties Testing, ASTM D882.
 - 3. Abrasion Resistance Testing, ASTM D1044.
 - 4. Peel Strength Testing, ASTM D3330.
 - 5. Tear Resistance Testing, ASTM D1004.
 - 6. Puncture Strength Testing, ASTM D4830.
 - 7. Safety Glazing Impact Testing, ANSI Z97.1 and/or 16 CFR 1201.
 - 8. Flammability Testing, ASTM E84.
 - 9. Film Properties Testing, ASTM D882.
 - 10. Abrasion Resistance Testing, ASTM D1044.
 - 11. Peel Strength Testing, ASTM D3330
 - 12. Safety Glazing Impact Testing, ANSI Z97.1 or 16 CFR 1201.
 - 13. Flammability Testing, ASTM E84.
 - 14. Film Properties Testing, ASTM D882.
 - 15. Abrasion Resistance Testing, ASTM D1044.
 - 16. Peel Strength Testing, ASTM D3330
 - 17. Puncture Strength Testing, ASTM D4830.
 - 18. Safety Glazing Impact Testing, ANSI Z97.1 or 16 CFR 1201.
 - 19. Flammability Testing, ASTM E84.
 - 20. Film Properties Testing, ASTM D882.
 - 21. Abrasion Resistance Testing, ASTM D1044.
 - 22. Peel Strength Testing, ASTM D3330
 - 23. Puncture Strength Testing, ASTM D4830.
 - 24. Burglary Resistance Glazing, UL 972
 - 25. Flammability Testing, ASTM E84.
 - 26. Safety Glazing Impact Testing, ANSI Z97.1 and 16 CFR 1201.
 - 27. Flammability Testing, ASTM E84.
 - 28. Film Properties Testing, ASTM D882.
 - 29. Abrasion Resistance Testing, ASTM D1044.
 - 30. Peel Strength Testing, ASTM D3330.
 - 31. Puncture Strength Testing, ASTM D4830.
 - 32. Impact Resistance and Pressure Cycling, ASTMs E1886 and E1996.
 - 33. Blast Hazard Mitigation Testing, ASTM F1642 / F2912 and/or

GSA-TS01-2003.

- D. Other Product Submittals:
 - 1. Manufacturer's summary of 3rd Party Blast Hazard Mitigation Testing, ASTM F1642 / F2912 and/or GSA-TS01-2003
 - 2. 3rd Party test reports from Forced Entry Resistance evaluations.
- E. Verification Samples: For each film specified, two samples representing actual film color and pattern.
- F. Performance Submittals: Provide laboratory data of emissivity and calculated window U-Factors for various outdoor temperatures based upon established calculation procedure defined by the ASHRAE Handbook of Fundamentals, Chapter 29, or Lawrence Berkeley Laboratory Window 5.2 Computer Program.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: All primary products specified in this section will be supplied by a single manufacturer with a minimum of ten years experience.
 - 1. Provide documentation that the adhesive used on the specified film is a Pressure Sensitive Adhesive (PSA).
- B. Installer Qualifications: All products listed in this section are to be installed by a single installer with a minimum of five years demonstrated experience in installing products of the same type and scope as specified.
 - 1. Provide documentation that the installer is authorized by the Manufacturer to perform Work specified in this section.
 - 2. Provide a commercial building reference list of 5 properties where the installer has applied window film. This list will include the following information:
 - a. Name of building.
 - b. The name and telephone number of a management contact.
 - c. Type of glass.
 - d. Type of film and/or film attachment system.
 - e. Amount of film and/or film attachment system installed.
 - f. Date of completion.
 - 3. Provide a Glass Stress Analysis of the existing glass and proposed glass/film combination as recommended by the film manufacturer.
 - 4. Provide an EFilm application analysis to determine available energy cost reduction and savings.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Follow Manufacturer's instructions for storage and handling.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Store and dispose of any hazardous materials, and materials contaminated by hazardous materials, in accordance with requirements of local authorities having jurisdiction.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.9 WARRANTY

- A. At project closeout, provide to Owner's Representative an executed current copy of the manufacturer's standard limited warranty against manufacturing defect, outlining its terms, conditions, and exclusions from coverage.
- B. In order to validate warranty, installation must be performed by an Authorized 3M dealer. Verification of Authorized 3M dealer can be confirmed by submission of active 3M dealer code number.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: 3M Commercial Solutions, which is located at: 3M Center Bldg. 220-12-E-04; St. Paul, MN 55144-1000; Toll Free Tel: 888-650-3497; Tel: 651-737-1081; Fax: 651 737 8241; Email: [request info \(tdjohnson3@mmm.com\)](mailto:tdjohnson3@mmm.com); Web: www.3m.com/3M/en_US/architectural-design-us/?utm_medium=redirect&utm_source=vanity-url&utm_campaign=www.3M.com/AMD | www.3m.com/3M/en_US/building-window-solutions-us/
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 CLEAR MICROLAYERED SAFETY AND SECURITY WINDOW FILM

- A. 3M Scotchshield Ultra S600 Safety and Security Window Film. Optically clear microlayered polyester film, nominally 6 mils (0.006 inch) thick, with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive on the other. The film is clear and does not contain dyed polyester. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass. The film is microlayered with both plastic and ductile polyester layers for tear resistance.
 - 1. Physical / Mechanical Performance Properties (nominal):
 - a. Film Color: Clear.
 - b. Film Thickness (excluding coatings or adhesive liner): Nominal 6 mils
 - c. Tensile Strength (ASTM D882):
 - 1) Base Film: 32,000 psi (MD) / 32,000 psi (TD).
 - 2) Coated Film: 32,000 psi (MD) / 32,000 psi (TD).
 - d. Break Strength (ASTM D882):
 - 1) Base Film: 190 lb/in (MD) / 190 lb/in (TD).
 - 2) Coated Film: 210 lb/in (MD) / 210 lb/in (TD).
 - e. Percent Elongation at Break (ASTM D882):
 - 1) Base Film: 110 % (MD) / 100 % (TD).
 - 2) Coated Film: 136 % (MD) / 115 % (TD).
 - f. Yield Strength:
 - 1) Base Film: 12,000 psi (MD).
 - 2) Coated Film: 15,000 psi (MD).

- g. Percent Elongation at Yield (ASTM D882):
 - 1) Base Film: 7% (MD).
 - 2) Coated Film: 9% (MD).
- h. Graves Tear Resistance (ASTM D1004):
 - 1) Maximum Force (lbs):
 - a) Base Film: 28 (MD) / 28 (TD).
 - b) Coated Film: 28 (MD) / 28 (TD).
 - 2) Maximum Extension (in):
 - a) Base Film: 0.45 (MD) / 0.65 (TD).
 - b) Coated Film: 0.55 (MD) / 0.55 (TD).
 - 3) Graves Area Tear Resistance (lbs%):
 - a) Base Film: 900 (MD) / 1,200 (TD).
 - b) Coated Film: 900 (MD) / 1,100 (TD).
- i. Puncture Propagation Tear Resistance (ASTM D2582):
 - 1) Coated Film: 6 lbf (MD) / 7 lbf (TD).
- j. Puncture Strength (ASTM D4830):
 - 1) Coated Film: 140 lbf.
- 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
- 3. Variation in Total Transmission across the width: Less than 2 percent over the average at any portion along the length.
- 4. Identification: Labeled as to Manufacturer as listed in this Section.
- 5. Solar Performance Properties: Film applied to 1/4 inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 87 percent.
 - b. Ultraviolet Transmission (ASTM E 903): Less than 0.5 percent.
- 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category II (400 ft.-lbs).
 - b. Safety Rating (ANSI Z97.1): Class A, Unlimited Size.
- 7. Impact Resistance and Pressure Cycling: Film shall pass impact of Small Missile "A" and withstand subsequent pressure cycling (per ASTMs E 1996 and E 1886) at +/- 80 psf Design Pressure with use of 3M Impact Protection Adhesive. Film applied to 3/16 inch (4.8 mm) tempered glass.
- 8. Blast Hazard Mitigation:
- 9. Independent testing with results from high explosive arena blast or shock tube testing:
 - a. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 7 psi and 44 psi*msec blast impulse, on 1/4 inch (6 mm) annealed single pane glass and 3M Impact Protection Profile Attachment system.
 - b. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 7 psi and 42 psi*msec blast impulse, on 1/4 inch (6 mm) tempered single pane glass and 3M Impact Protection Profile Attachment system
 - c. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 7 psi and 42 psi*msec blast impulse, on 1/4 inch (6 mm) annealed single pane glass and 3M Impact Protection Adhesive Attachment system
 - d. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 7 psi and 42 psi*msec blast impulse, on 1/4 inch (6 mm) tempered single pane glass and 3M Impact Protection Adhesive Attachment system
 - e. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 8 psi and 60 psi*msec blast impulse, on 1 inch (25.4 mm) annealed double pane glass and 3M Impact Protection Profile Attachment system
 - f. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure

- of 8 psi and 60 psi*msec blast impulse, on 1 inch (25.4 mm) annealed double pane glass and 3M Impact Protection Adhesive Attachment system
- g. GSA Rating of "3B" / ASTM F1642 "Very Low Hazard" with blast pressure of 4 psi and 28 psi*msec blast impulse, on 1/4 inch (6 mm) annealed single pane glass, daylight applied film (no attachment)
 - h. GSA Rating of "3B" / ASTM F1642 "Low Hazard" with blast pressure of 7 psi and 43 psi*msec blast impulse, on 1/4 inch (6 mm) tempered single pane glass, daylight applied film (no attachment)
 - i. GSA Rating of "3B" / ASTM F1642 "Low Hazard" with blast pressure of 7 psi and 42 psi*msec blast impulse, on 1 inch (25.4 mm) annealed double pane glass, daylight applied film (no attachment)
 - j. GSA Rating of "3B" / ASTM F1642 "Low Hazard" with blast pressure of 12 psi and 70 psi*msec blast impulse, on 1 inch (25.4 mm) tempered double pane glass, daylight applied film (no attachment)
10. Forced Entry Resistance: Product shall have been evaluated for time to resist complete body passage by a qualified 3rd Party test lab.
- B. 3M Scotchshield Ultra S800 Safety and Security Window Film. Optically clear microlayered polyester film, nominally 8 mils (0.008 inch) thick, with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive on the other. The film is clear and does not contain dyed polyester. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass. The film is microlayered with both plastic and ductile polyester layers for tear resistance.
1. Physical / Mechanical Performance Properties (nominal):
 - a. Film Color: Clear.
 - b. Film Thickness (excluding coatings or adhesive liner): Nominal 8 mils
 - c. Tensile Strength (ASTM D882):
 - 1) Base Film: 32,000 psi (MD) / 32,000 psi (TD).
 - 2) Coated Film: 32,000 psi (MD) / 32,000 psi (TD).
 - d. Break Strength (ASTM D882):
 - 1) Base Film: 250 lb/in (MD) / 250 lb/in (TD).
 - 2) Coated Film: 245 lb/in (MD) / 265 lb/in (TD).
 - e. Percent Elongation at Break (ASTM D882):
 - 1) Base Film: 115 % (MD) / 115 % (TD).
 - 2) Coated Film: 132 % (MD) / 130 % (TD).
 - f. Yield Strength:
 - 1) Base Film: 12,000 psi (MD).
 - 2) Coated Film: 15,000 psi (MD).
 - g. Percent Elongation at Yield (ASTM D882):
 - 1) Base Film: 7% (MD).
 - 2) Coated Film: 9% (MD).
 - h. Graves Tear Resistance (ASTM D1004):
 - 1) Maximum Force (lbs):
 - a) Base Film: 40 (MD) / 40 (TD).
 - b) Coated Film: 40 (MD) / 40 (TD).
 - 2) Maximum Extension (in):
 - a) Base Film: 0.45 (MD) / 0.65 (TD).
 - b) Coated Film: 0.50 (MD) / 0.57 (TD).
 - 3) Graves Area Tear Resistance (lbs%):
 - a) Base Film: 1,100 (MD) / 1,300 (TD).
 - b) Coated Film: 1,100 (MD) / 1,300 (TD).
 - i. Puncture Propagation Tear Resistance (ASTM D2582):
 - 1) Coated Film: 9 lbf (MD) / 10 lbf (TD).
 - j. Puncture Strength (ASTM D4830):

- 1) Material Properties (as supplied).
- 2) Coated Film: 185 lbf.
2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
3. Variation in Total Transmission across the width: Less than 2 percent over the average at any portion along the length.
4. Identification: Labeled as to Manufacturer as listed in this Section.
5. Solar Performance Properties: Film applied to 1/4 inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 87 percent.
 - b. Visible Reflection (ASTM E 903): Not more than 10 percent.
 - c. Ultraviolet Transmission (ASTM E 903): Less than 0.5 percent.
 - d. Solar Heat Gain Coefficient (ASTM E 903): 0.79
6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category II (400 ft.-lbs).
 - b. Safety Rating (ANSI Z97.1): Class A, Unlimited Size.
7. Impact Resistance and Pressure Cycling: Film shall pass impact of Large Missile "C" and withstand subsequent pressure cycling (per ASTMs E1996 and E1886) at +/- 75 psf Design Pressure with use of 3M Impact Protection Adhesive. Film applied to 1/4-inch tempered glass.
8. Blast Hazard Mitigation:
 - a. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 7 psi and 44 psi*msec blast impulse, on 1/4 inch (6 mm) annealed single pane glass and 3M Impact Protection Profile Attachment system
 - b. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 7 psi and 43 psi*msec blast impulse, on 1/4 inch (6 mm) tempered single pane glass and 3M Impact Protection Profile Attachment system
 - c. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 9 psi and 62 psi*msec blast impulse, on 1/4 inch (6 mm) annealed single pane glass and 3M Impact Protection Adhesive Attachment system
 - d. GSA Rating of "2" / ASTM F1642 "No Hazard" with blast pressure of 9 psi and 63 psi*msec blast impulse, on 1/4 inch (6 mm) tempered single pane glass and 3M Impact Protection Adhesive Attachment system
 - e. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 9 psi and 60 psi*msec blast impulse, on 1 inch (25 mm) annealed double pane glass and 3M Impact Protection Profile Attachment system
 - f. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 10 psi and 89 psi*msec blast impulse, on 1 inch (25 mm) annealed double pane glass and 3M Impact Protection Adhesive Attachment system
 - g. GSA Rating of "3B" / ASTM F1642 "Very Low Hazard" with blast pressure of 4 psi and 28 psi*msec blast impulse, on 1/4 inch (6 mm) annealed single pane glass, daylight applied film (no attachment)
 - h. GSA Rating of "3B" / ASTM F1642 "Very Low Hazard" with blast pressure of 4 psi and 28 psi*msec blast impulse, on 1/4 inch (6 mm) tempered single pane glass, daylight applied film (no attachment)
 - i. GSA Rating of "3B" / ASTM F1642 "Low Hazard" with blast pressure of 7 psi and 42 psi*msec blast impulse, on 1 inch (25 mm) annealed double pane glass, daylight applied film (no attachment)
9. Forced Entry Resistance: Product shall have been evaluated for time to resist complete body passage by a qualified 3rd Party test lab.

2.3 MICROLAYERED SAFETY AND SECURITY WINDOW FILM WITH SUN CONTROL

- A. 3M Scotchshield Ultra Prestige S70: Optically clear micro-layered polyester, laminated to an optically clear multi-layered polyester film containing at least 220 layers with a pressure sensitive adhesive on one side and durable acrylic abrasion resistant coating on the other side. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass. Films contain no metals, but so contain infrared-absorbing carbon, metal oxide particles, or both.
1. Physical / Mechanical Performance Properties:
 - a. Film Color: Virtually clear with at least 220 layers.
 - b. Thickness: Nominal 8.0 mils
 - c. Tensile Strength (ASTM D 882): 24,000 psi (MD) / 26,000 psi (TD)
 - d. Break Strength (ASTM D 882): 200 lbs/in (MD) / 215 lbs/in (TD)
 - e. Percent Elongation at Break (ASTM D882): 104% (MD) / 118% (TD)
 - f. Yield Strength (ASTM D882): 16,000 psi (MD)
 - g. Percent Elongation at Yield (ASTM D882): 8% (MD)
 - h. Graves Tear Resistance (ASTM D1004):
 - 1) Maximum Force: 35 lbs (MD) / 36 lbs (TD)
 - 2) Maximum Strain: 56% (MD) / 50% (TD)
 - 3) Graves Area Tear Resistance: 1,100 lbs% (MD) / 1,100 lbs% (TD)
 - i. Puncture Propagation Tear (ASTM D 2582): 10 lbf
 2. Solar Performance Properties: Film applied to 1/4 Inch thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 68 percent.
 - b. Visible Reflection (ASTM E 903): Not more than 10 percent.
 - c. Ultraviolet Transmission (ASTM E 903): Less than 0.5 percent.
 - d. Solar Heat Gain Coefficient (ASTM E 903): 0.51
 - e. Total Solar Energy Rejected: 50%
 3. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 4. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 5. Identification: Labeled as to Manufacturer as listed in this Section.
 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category II (400 ft.-lbs).
 7. Impact Resistance and Pressure Cycling:
 - a. Safety film component shall pass impact of Small Missile "A" and withstand subsequent pressure cycling (per ASTMs E 1996 and E 1886) at +/- 80 psf Design Pressure with use of 3M Impact Protection Adhesive attachment system.
 8. Blast Hazard Mitigation: Independent testing with results from high explosive arena blast testing.
 - a. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 6 psi and 45 psi*msec, on 1/4 inch (6 mm) single pane tempered glass and 3M Impact Protection Adhesive film attachment system.
 - b. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 9 psi and 60 psi*msec, on 1 inch (25 mm) double pane tempered glass and 3M Impact Protection Adhesive film attachment system.
- B. 3M Scotchshield Ultra Prestige S50: Optically clear micro-layered polyester, laminated to an optically clear multi-layered polyester film containing at least 220 layers with a pressure sensitive adhesive on one side and durable acrylic abrasion resistant coating on the other side. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass. Films contain no metals, but so contain infrared-absorbing carbon, metal oxide particles, or both.

1. Physical / Mechanical Performance Properties:
 - a. Film Color: Lightly tinted with at least 220 layers.
 - b. Thickness: Nominal 8.0 mils
 - c. Tensile Strength (ASTM D 882): 25,000 psi (MD) / 26,000 psi (TD)
 - d. Break Strength (ASTM D 882): 210 lbs/in (MD) / 220 lbs/in (TD)
 - e. Percent Elongation at Break (ASTM D882): 111% (MD) / 102% (TD)
 - f. Yield Strength (ASTM D882): 16,000 psi (MD)
 - g. Percent Elongation at Yield (ASTM D882): 8% (MD)
 - h. Graves Tear Resistance (ASTM D1004):
 - 1) Maximum Force: 36 lbs (MD) / 36 lbs (TD)
 - 2) Maximum Strain: 50% (MD) / 50% (TD)
 - 3) Graves Area Tear Resistance: 1,100 lbs% (MD) / 1,100 lbs% (TD)
 - i. Puncture Propagation Tear (ASTM D 2582): 10 lbf
 2. Solar Performance Properties: Film applied to 1/4 Inch thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 48 percent.
 - b. Visible Reflection (ASTM E 903): Not more than 10 percent.
 - c. Ultraviolet Transmission (ASTM E 903): Less than 0.5 percent.
 - d. Solar Heat Gain Coefficient (ASTM E 903): 0.44
 - e. Total Solar Energy Rejected: 56%
 3. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 4. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 5. Identification: Labeled as to Manufacturer as listed in this Section.
 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category II (400 ft.-lbs).
 7. Impact Resistance and Pressure Cycling:
 - a. Safety film component shall pass impact of Small Missile "A" and withstand subsequent pressure cycling (per ASTMs E 1996 and E 1886) at +/- 80 psf Design Pressure with use of 3M Impact Protection Adhesive attachment system.
 8. Blast Hazard Mitigation: Independent testing with results from high explosive arena blast testing.
 - a. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 6 psi and 45 psi*msec, on 1/4 inch (6 mm) single pane tempered glass and 3M Impact Protection Adhesive film attachment system.
 - b. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 9 psi and 60 psi*msec, on 1 inch (25 mm) double pane tempered glass and 3M Impact Protection Adhesive film attachment system.
- C. 3M Scotchshield Ultra Night Vision S25: Optically clear polyester film comprised of co-extruded micro-layers, laminated to a metalized polyester film. Additional film layer is added for color and performance, with a durable abrasion resistant coating over one surface and a pressure sensitive adhesive on the other. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass. The film color is derived from the metal coating and the product will not contain dyed polyester.
1. Physical / Mechanical Performance Properties:
 - a. Film Color: Moderately tinted.
 - b. Thickness: Nominal 8.0 mils
 - c. Tensile Strength (ASTM D 882): 28,000 psi (MD) / 27,000 psi (TD)
 - d. Break Strength (ASTM D 882): 235 lbs/in (MD) / 230 lbs/in (TD)
 - e. Percent Elongation at Break (ASTM D882): 120% (MD) / 85% (TD)
 - f. Yield Strength (ASTM D882): 17,000 psi (MD)

- g. Percent Elongation at Yield (ASTM D882): 8% (MD)
- h. Graves Tear Resistance (ASTM D1004):
 - 1) Maximum Force: 37 lbs (MD) / 38 lbs (TD)
 - 2) Maximum Strain: 49% (MD) / 46% (TD)
 - 3) Graves Area Tear Resistance: 1,100 lbs% (MD) / 900 lbs% TD)
- i. Puncture Propagation Tear (ASTM D 2582): 10 lbf
- 2. Solar Performance Properties: Film applied to 1/4 Inch thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 24 percent.
 - b. Visible Reflection (ASTM E 903): Not more than 20 percent exterior / 7% interior.
 - c. Ultraviolet Transmission (ASTM E 903): Less than 0.5 percent.
 - d. Solar Heat Gain Coefficient (ASTM E 903): 0.40
 - e. Total Solar Energy Rejected: 60%
- 3. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
- 4. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
- 5. Identification: Labeled as to Manufacturer as listed in this Section.
- 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category II (400 ft.-lbs).
 - b. Safety Rating (ANSI Z97.1): Class A, Unlimited Size.
- 7. Impact and Pressure Cycling:
 - a. Safety film component shall pass impact of Small Missile "A" and withstand subsequent pressure cycling (per ASTMs E 1996 and E 1886) at +/- 80 psf Design Pressure with use of 3M Impact Protection Adhesive attachment system.
- 8. Blast Hazard Mitigation: Independent testing with results from high explosive arena blast testing.
 - a. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 6 psi and 43 psi*msec, on 1/4 inch (6 mm) single pane annealed glass and 3M Impact Protection Adhesive film attachment system.
 - b. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 6 psi and 45 psi*msec, on 1/4 inch (6 mm) single pane tempered glass and 3M Impact Protection Adhesive film attachment system.
 - c. GSA Rating of "3B" / ASTM F1642 "Minimal Hazard" with minimum blast load of 5 psi and 32 psi*msec, on 1/4 inch (6 mm) single pane tempered glass and 3M Impact Protection Profile film attachment system.
 - d. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 5 psi and 35 psi*msec, on 1 inch (25 mm) double pane annealed glass and 3M Impact Protection Profile film attachment system
 - e. GSA Rating of "2" / ASTM F1642 "No Hazard" with minimum blast load of 9 psi and 61 psi*msec, on 1 inch (25 mm) double pane tempered glass and 3M Impact Protection Adhesive film attachment system

2.4 CLEAR SAFETY AND SECURITY WINDOW FILM

- A. 3M Safety S40 (SH4CLARL): Optically clear polyester film with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass.
 - 1. Physical / Mechanical Performance Properties:
 - a. Film Color: Clear.
 - b. Thickness: Nominal 4.0 mils
 - c. Tensile Strength (ASTM D 882): 25,000 psi.

- d. Elongation: 130 percent.
 - e. Break Strength (ASTM D 882): 100 lbs/in
 - 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 - 3. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 - 4. Identification: Labeled as to Manufacturer as listed in this Section.
 - 5. Solar Performance Properties: Film applied to 1/4 Inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 87 percent.
 - b. Ultraviolet Transmission (ASTM E 903): Less than 1 percent.
 - 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category I (150 ft.-lbs).
 - b. Safety Rating (ANSI Z97.1): Class B, Unlimited Size.
- B. 3M Safety S70 (SH7CLARL): Optically clear polyester film with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other.
- 1. Physical / Mechanical Performance Properties:
 - a. Film Color: Clear.
 - b. Thickness: Nominal 7.0 mils
 - c. Tensile Strength (ASTM D 882): 25,000 psi.
 - d. Break Strength (ASTM D 882): 175 lbs/in.
 - 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 - 3. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 - 4. Identification: Labeled as to Manufacturer as listed in this Section.
 - 5. Solar Performance Properties: Film applied to 1/4 Inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 87 percent.
 - b. Ultraviolet Transmission (ASTM E 903): Less than 1 percent.
 - 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category I (150 ft.-lbs).
 - 7. Blast Hazard Mitigation: Independent testing with results from high explosive arena blast testing.
 - a. GSA Rating of "3B" with minimum blast load of 4 psi and 28 psi*msec, on 1/4 inch single pane annealed glass and 3M Impact Protection Adhesive film attachment system.
 - b. GSA Rating of "3B" with minimum blast load of 10 psi and 89 psi*msec, on 1 inch (25 mm) double pane annealed glass and 3M Impact Protection Adhesive film attachment system.
- C. 3M Safety S80 (SH8CLARL): Optically clear polyester film with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass. The film may be laminated to other clear polyester film layers to achieve the desired thickness of the film.
- 1. Physical / Mechanical Performance Properties:
 - a. Film Color: Clear.
 - b. Thickness: Nominal 8 mils.
 - c. Tensile Strength (ASTM D 882): 25,000 psi.
 - d. Break Strength (ASTM D 882): 200 lbs/in
 - 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or

- other optical defects.
 - 3. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 - 4. Identification: Labeled as to Manufacturer as listed in this Section.
 - 5. Solar Performance Properties: Film applied to 1/4 Inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 87 percent.
 - b. Ultraviolet Transmission (ASTM E 903): Less than 1 percent.
 - 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category II (400 ft.-lbs).
 - b. Safety Rating (ANSI Z97.1): Class A, Unlimited Size.
 - 7. Blast Hazard Mitigation:
 - a. GSA Rating of "3B" / ASTM F1642 "Minimal Hazard" with minimum blast load of 6 psi and 41 psi*msec, on 1/4 inch (6 mm) single pane annealed glass and 3M Impact Protection Adhesive film attachment system.
 - b. GSA Rating of "3B" with minimum blast load of 7 psi and 41 psi*msec, on 1/4 inch single pane annealed glass and 3M Impact Protection Profile film attachment system.
 - c. GSA Rating of "3B" with minimum blast load of 4 psi and 29 psi*msec, on 1/4 inch single pane annealed or tempered glass without use of film attachment system.
 - d. GSA Rating of "2" with minimum blast load of 12 psi and 66 psi*msec, on 1 inch double pane annealed glass and 3M Impact Protection Adhesive film attachment system.
 - e. GSA Rating of "3B" with minimum blast load of 14 psi and 63 psi*msec, on 1 inch double pane annealed glass and 3M Impact Protection Profile film attachment system.
- D. 3M Safety S140 (SH14CLARL): Optically clear polyester film with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass. The film may be laminated to other clear polyester film layers to achieve the desired thickness of the film.
- 1. Physical / Mechanical Performance Properties:
 - a. Film Color: Clear.
 - b. Thickness: Nominal 14 mils
 - c. Tensile Strength (ASTM D 882): 25,000 psi.
 - d. Break Strength (ASTM D 882) (Per Inch Width): 350 lbs.
 - 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 - 3. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 - 4. Identification: Labeled as to Manufacturer as listed in this Section.
 - 5. Solar Performance Properties: Film applied to 1/4 Inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 85 percent.
 - b. Ultraviolet Transmission (ASTM E 903): Less than 1 percent.
 - 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category II (400 ft.-lbs).
 - 7. Impact Resistance and Pressure Cycling:
 - a. Film shall pass impact of Medium Large Missile "C" and withstand subsequent pressure cycling (per ASTMs E 1996 and E 1886) at +/- 50 psf Design Pressure with use of 3M Impact Protection Adhesive

- attachment system.
8. Blast Hazard Mitigation: Independent testing with results from high explosive arena blast testing.
 - a. GSA Rating of "3B" with minimum blast load of 8 psi and 44 psi*msec, on 1/4 inch single pane annealed glass and 3M Impact Protection Profile film attachment system.
 - b. GSA level 3B rating with minimum blast load of 15 psi overpressure and 58 psi*msec blast impulse on 1 inch double pane annealed glass without use of film attachment system.
 9. Forced Entry Protection: Independent lab testing according to UL 972 protocol (Multiple Impact Test).
 - a. Annealed Glass (1/4 inch) - Pass
 - b. Tempered Glass (1/4 inch) - Pass
- E. 3M Safety Exterior S20: Optically clear polyester film with an exterior durable abrasion resistant coating over one surface and a pressure sensitive adhesive over the other.
1. Physical / Mechanical Performance Properties:
 - a. Film Color: Clear.
 - b. Thickness: Nominal 2 mils
 - c. Tensile Strength (ASTM D 882): 25,000 psi.
 - d. Elongation: 88 percent.
 - e. Break Strength (ASTM D 882): 50 lbs/in
 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 3. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 4. Identification: Labeled as to Manufacturer as listed in this Section.
 5. Solar Performance Properties: Film applied to 1/4 Inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 88 percent.
 - b. Ultraviolet Transmission (ASTM E 903): Less than 0.5 percent.
 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category I (150 ft.-lbs).
 - b. Safety Rating (ANSI Z97.1): Class B, Unlimited Size.
- F. 3M Safety Exterior S40. Optically clear polyester film with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other.
1. Physical / Mechanical Performance Properties:
 - a. Film Color: Clear.
 - b. Thickness: Nominal 4 mils
 - c. Tensile Strength (ASTM D 882): 25,000 psi.
 - d. Break Strength (ASTM D 882): 100 lbs/in.
 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 3. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 4. Identification: Labeled as to Manufacturer as listed in this Section.
 5. Solar Performance Properties: Film applied to 1/4 Inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 89 percent.
 - b. Ultraviolet Transmission (ASTM E 903): Less than 0.5 percent.
 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category I (150 ft.-lbs).

- G. 3M Safety Exterior S70. Optically clear polyester film with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other.
 - 1. Physical / Mechanical Performance Properties:
 - a. Film Color: Clear.
 - b. Thickness: Nominal 7 mils
 - c. Tensile Strength (ASTM D 882): 25,000 psi.
 - d. Break Strength (ASTM D 882): 140 lbs/in.
 - 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 - 3. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 - 4. Identification: Labeled as to Manufacturer as listed in this Section.
 - 5. Solar Performance Properties: Film applied to 1/4 Inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 88 percent.
 - b. Ultraviolet Transmission (ASTM E 903): Less than 0.5 percent.
 - 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category I (150 ft.-lbs).

2.5 SAFETY AND SECURITY WINDOW FILM WITH SUN CONTROL

- A. 3M Safety Neutral S35. Dual reflective polyester film, nominally 8 mils (0.008") thick, with a durable abrasion resistant coating over one surface and a pressure sensitive adhesive on the other. The film is comprised of an optically clear safety film laminated to a metallized film layer for reflective and sun control properties. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass.
 - 1. Physical / Mechanical Performance Properties (nominal):
 - a. Film Color: Neutral
 - b. Film Thickness (excluding coatings or adhesive liner): Nominal 8 mils
 - c. Tensile Strength 33,000 psi (MD) / 23,000 psi (TD)
 - d. Break Strength: 170 lb/in (MD) / 280 lb/in (TD)
 - e. Percent Elongation at Break: 100 % (MD) / 80 % (TD)
 - f. Yield Strength: 23,000 psi
 - g. Percent Elongation at Yield: 80%
 - 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 - 3. Variation in Total Transmission across the width: Less than 2 percent over the average at any portion along the length.
 - 4. Identification: Labeled as to Manufacturer as listed in this Section.
 - 5. Solar Performance Properties: Film applied to 1/4 inch (6 mm) thick clear glass (NFRC 100/200).
 - a. Visible Light Transmission: 39%
 - b. Visible Reflection: 23% exterior / 13% interior
 - c. Ultraviolet Transmission: Not more than 1%.
 - d. Solar Heat Gain Coefficient: 0.43
 - 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category 2 (400 ft.-lbs).
 - b. Safety Rating (ANSI Z97.1): Class A, Unlimited (400 ft.-lbs).
 - 7. Impact Resistance and Pressure Cycling
 - a. Film shall pass impact of Large Missile "C" and withstand subsequent pressure cycling (per ASTMs E1996 and E1886) at +/- 60 psf Design Pressure with use of 3M Impact Protection Adhesive attachment system. Tested on 1/4 inch (6 mm) tempered glass.

8. Blast Hazard Mitigation:
 - a. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 4 psi and 28 psi*msec blast impulse, on 1/4 inch (6 mm) annealed single pane glass and 3M Impact Protection Profile Attachment system
 - b. GSA Rating of "2"/ ASTM F1642 "Minimal Hazard" with blast pressure of 6 psi and 42 psi*msec blast impulse, on 1/4 inch (6 mm) annealed single pane glass and 3M Impact Protection Adhesive Attachment system
 - c. GSA Rating of "2" / ASTM F1642 "No Hazard" with blast pressure of 4 psi and 28 psi*msec blast impulse, on 1/4 inch (6 mm) tempered single pane glass and 3M Impact Protection Adhesive Attachment system
 - d. GSA Rating of "2" / ASTM F1642 "No Hazard" with blast pressure of 6 psi and 42 psi*msec blast impulse, on 1 inch (25 mm) double pane tempered glass and 3M Impact Protection Adhesive Attachment system

- B. 3M Safety Silver S20. Highly reflective polyester film, nominally 8 mils (0.008") thick, with a durable abrasion resistant coating over one surface and a pressure sensitive adhesive on the other. The film is comprised of an optically clear safety film laminated to a metallized film layer for reflective and sun control properties. The adhesive is pressure-activated, not water-activated, and forms a physical bond, not chemical bond, to the glass.
 1. Physical / Mechanical Performance Properties (nominal):
 - a. Film Color: Silver reflective
 - b. Film Thickness (excluding coatings or adhesive liner): Nominal 8 mils
 - c. Tensile Strength: 20,000 psi (MD) / 30,000 psi (TD)
 - d. Break Strength: 160 lb/in (MD) / 247 lb/in (TD)
 - e. Percent Elongation at Break: 95 % (MD) / 76 % (TD)
 - f. Yield Strength: 15,000 psi
 - g. Percent Elongation at Yield: 7%
 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 3. Variation in Total Transmission across the width: Less than 2 percent over the average at any portion along the length.
 4. Identification: Labeled as to Manufacturer as listed in this Section.
 5. Solar Performance Properties: Film applied to 1/4 inch (6 mm) thick clear glass (NFRC 100/200).
 - a. Visible Light Transmission: 18%
 - b. Visible Reflection: 61%
 - c. Ultraviolet Transmission: Not more than 1%.
 - d. Solar Heat Gain Coefficient: 0.25
 6. Impact Resistance for Safety Glazing: Tested on 1/4 inch (6 mm) annealed glass.
 - a. Safety Rating (CPSC 16 CFR, Part 1201): Category 2 (400 ft-lbs).
 - b. Safety Rating (ANSI Z97.1): Class A, Unlimited (400 ft-lbs).
 7. Impact Resistance and Pressure Cycling
 - a. Film shall pass impact of Small Missile "A" and withstand subsequent pressure cycling (per ASTMs E1996 and E1886) at +/- 60 psf Design Pressure with use of 3M Impact Protection Adhesive attachment system. Tested on 1/4 inch (6 mm) tempered glass.
 8. Blast Hazard Mitigation:
 - a. GSA Rating of "2" / ASTM F1642 "Minimal Hazard" with blast pressure of 4 psi and 28 psi*msec blast impulse, on 1/4 inch (6 mm) annealed single pane glass and 3M Impact Protection Profile Attachment system
 - b. GSA Rating of "2"/ ASTM F1642 "Minimal Hazard" with blast pressure of 6 psi and 42 psi*msec blast impulse, on 1/4 inch (6 mm) annealed

single pane glass and 3M Impact Protection Adhesive Attachment system

- c. GSA Rating of "2" / ASTM F1642 "No Hazard" with blast pressure of 4 psi and 28 psi*msec blast impulse, on 1/4 inch (6 mm) tempered single pane glass and 3M Impact Protection Adhesive Attachment system
- d. GSA Rating of "2" / ASTM F1642 "No Hazard" with blast pressure of 6 psi and 42 psi*msec blast impulse, on 1 inch (25 mm) double pane tempered glass and 3M Impact Protection Adhesive Attachment system

2.6 ANTI-GRAFFITI WINDOW FILM

- A. 3M Anti-Graffiti 4 (AG-4): Optically clear polyester film with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other. The film may be laminated to other clear polyester film layers to achieve the desired thickness of the film.
 - 1. Physical / Mechanical Performance Properties:
 - a. Film Color: Clear.
 - b. Thickness: Nominal 4.0 mils
 - c. Tensile Strength (ASTM D 882): 25,000 psi.
 - d. Break Strength (ASTM D 882) (Per Inch Width): 136 lbs.
 - e. Elongation at Break (ASTM D 882): >100 percent.
 - f. Peel Strength: 1 lb/inch.
 - g. Puncture Strength (ASTM D 4830): 90 lbs.
 - h. Abrasion Resistance (ASTM D1044): < 2 percent increase in haze.
 - 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 - 3. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 - 4. Identification: Labeled as to Manufacturer as listed in this Section.
 - 5. Solar Performance Properties: Film applied to 1/4 Inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 81 percent.
 - b. Ultraviolet Transmission (ASTM E 903): Less than 1 percent.

- B. 3M Anti-Graffiti 6 (AG-6): Optically clear polyester film with a durable acrylic abrasion resistant coating over one surface and a pressure sensitive adhesive over the other. The film may be laminated to other clear polyester film layers to achieve the desired thickness of the film.
 - 1. Physical / Mechanical Performance Properties:
 - a. Film Color: Clear.
 - b. Thickness: Nominal 6.0 mils
 - c. Tensile Strength (ASTM D 882): 25,000 psi.
 - d. Break Strength (ASTM D 882): 150 lbs/in
 - e. Elongation at Break (ASTM D 882): >100 percent.
 - f. Peel Strength: 1 lb/inch.
 - g. Puncture Strength (ASTM D 4830): 125 lbs.
 - h. Abrasion Resistance (ASTM D 1044): < 2 percent increase in haze.
 - 2. Uniformity: No noticeable pin holes, streaks, thin spots, scratches, banding or other optical defects.
 - 3. Variation in Total Transmission across the Width: Less than 2 percent over the average at any portion along the length.
 - 4. Identification: Labeled as to Manufacturer as listed in this Section.
 - 5. Solar Performance Properties: Film applied to 1/4 Inch (6 mm) thick clear glass.
 - a. Visible Light Transmission (ASTM E 903): 87 percent.

- b. Ultraviolet Transmission (ASTM E 903): Less than 1 percent.

2.7 3M IMPACT PROTECTION FILM ATTACHMENT SYSTEMS

- A. 3M Impact Protection Adhesive (IPA): Weatherable, UV-resistant, moisture curable structural sealant wet glaze.
 - 1. Color:
 - a. Black.
 - b. White.
 - 2. Material Properties (as supplied):
 - a. Typical Cure Time: 3 - 7 days (25 degrees C, 50% RH)
 - b. Full Adhesion: 7 - 14 days
 - c. Tack-Free Time (ASTM D 5895): 21 minutes (25 degrees C, 50% RH)
 - d. Flow, Sag or Slump (ASTM D 2202): 0 inches
 - e. Specific Gravity: 1.4
 - f. Working Time: 10 - 20 minutes (25 degrees C, 50% RH)
 - g. VOC Content: 16 g/L
 - 3. Material Properties (as cured - 21 days at 25 degrees C, 50% RH):
 - a. Ultimate Tensile Strength (ASTM D412): 380 psi (2.62 MPa)
 - b. Ultimate Elongation (ASTM D412): 640 psi
 - c. Durometer Hardness, Shore A (ASTM D2240): 38-39 points
 - d. Tear Strength, Die B (ASTM D624): 72 ppi
 - 4. Uniformity: Product shall have uniform consistency and appearance, with no clumping.
 - 5. Impact Resistance and Pressure Cycling:
 - a. As part of a filmed glass system, film attachment shall demonstrate ability to withstand Medium Large Missile C and Small Missile A impact, with subsequent pressure cycling (per ASTMs E 1996 and E 1886) at +/- 75 psf design pressure.
 - b. As part of a filmed glass system, film attachment shall demonstrate ability withstand structural load requirements of ASTM E330 when tested at +/- 100 psf design pressure.
 - 6. Blast Hazard Mitigation:
 - a. GSA level "2" rating (minimal hazard) of "2" with minimum blast load of 11 psi overpressure and 55 psi*msec blast impulse.
 - b. GSA level "3B" rating (low hazard) with minimum blast load of 10 psi overpressure and 89 psi*msec blast impulse.
 - c. ASTM F1642 rating of "Low Hazard" with minimum blast load of 8 psi overpressure and 42 psi*msec blast impulse.
- B. 3M Impact Protection Profile (IPP): Weatherable, flexible-mechanical style film attachment made of extruded rubber profile with two strips of double coated foam tape: one strip for bonding to applied film and the other strip for bonding to the window frame.
 - 1. 3M Impact Protection Profile, BP-700.
 - a. Total width: 1.0 inches.
 - b. Tape width: 0.5 inches.
 - 2. 3M Impact Protection Profile, BP-950.
 - a. Total width: 1.3 inches.
 - b. Tape width: 0.625 inches.
 - 3. 3M Impact Protection Profile, BP-950 XL.
 - a. Total width: 1.3 inches.
 - b. Tape width: 0.38 inches.
 - 4. Material Properties:
 - a. Full Adhesion: 1 - 2 days (25 degrees C, 50% RH)
 - b. Ultimate Tensile Strength (ASTM D412): > 20,500 psi

- c. Ultimate Elongation (ASTM D412): 400%
- d. Break Strength, Die B (ASTM D624): > 71 ppi
- e. Durometer Hardness, Shore A: (ASTM D2240): 70 pts
- 5. Uniformity: Product shall have uniform consistency and appearance.
- 6. Impact Resistance and Pressure Cycling:
 - a. As part of a filmed glass system, film attachment shall demonstrate ability to withstand Small Missile A impact, with subsequent pressure cycling (per ASTMs E 1996 and E 1886) at +/- 50 psf design pressure.
- 7. Blast Hazard Mitigation:
 - a. GSA level "2" rating (minimal hazard) with minimum blast load of 4 psi overpressure and 28 psi*msec blast impulse.
 - b. GSA level "3B" rating (low hazard) with minimum blast load of 10 psi overpressure and 89 psi*msec blast impulse.
 - c. ASTM F1642 rating of "Low Hazard" with minimum blast load of 4 psi overpressure and 28 psi*msec blast impulse.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Film Examination:
 - 1. If preparation of glass surfaces is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.
 - 2. Glass surfaces receiving new film should first be examined to verify that they are free from defects and imperfections, which will affect the final appearance.
 - 3. Do not proceed with installation until glass surfaces have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions.
 - 4. Commencement of installation constitutes acceptance of conditions.
- B. Impact Protection Adhesive Examination:
 - 1. If application of window film is/was the responsibility of another installer, notification in writing shall be made of deviations from manufacturer's recommended installation tolerances and conditions.
 - 2. Filmed glass surfaces receiving new attachment should first be examined to verify that they are free from defects and imperfections, and that the film edges extend sufficiently to the frame edges.
 - 3. Do not proceed with installation until film and frame surfaces have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions.
 - 4. Conduct an adhesion test to the frame surface may be conducted by applying a 4 - 6 inch long bead, approximately 0.5 - 1 inch in width, masking one side of the frame surface underneath the strip with tape. Allow the Impact Protection Adhesive to cure for 7 days and test adhesion by pulling up on the masked end and a 90 degree angle. If cohesive failure is observed (adhesive residue left behind on the frame surface), adhesion is acceptable; if adhesive failure is observed (clean peel from the frame), adhesion is unacceptable and product is not recommended.
- C. Impact Protection Profile Examination:
 - 1. If application of window film is/was the responsibility of another installer, notification in writing shall be made of deviations from manufacturer's recommended installation tolerances and conditions.
 - 2. Windows and frames must be examined to ensure that they are fit to receive

- the Impact Protection Profile in a manner such that the two profile adhesive strips will be perpendicularly opposed to each other and that they will not contact glazing stops or frame gaskets without stretching the profile.
3. Filmed glass surfaces receiving new attachment should first be examined to verify that they are free from defects and imperfections, and that the film edges extend sufficiently to the frame edges.
 4. Do not proceed with installation until film and frame surfaces have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions.
 5. Conduct an adhesion test to the frame surface may be conducted by applying a 4 - 6 inch long strip on the frame surface, using the sufficient pressure to achieve good adhesive wet-out. Allow the Impact Protection Profile to cure for 1-2 days and test adhesion by removing the test strip. If cohesive failure is observed (adhesive residue left behind on the frame surface), adhesion is acceptable; if adhesive failure is observed (clean peel from the frame), adhesion is unacceptable and product is either not recommended, or an adhesion promoter, such as 3M Primer 94, must be used.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Refer to Manufacturer's installation instructions for methods of preparation for Impact Protection Adhesive or Impact Protection Profile film attachment systems.

3.3 INSTALLATION

- A. Film Installation:
 1. Install in accordance with manufacturer's instructions.
 2. Cut film edges neatly and square at a uniform distance of 1/8 inch (3 mm) to 1/16 inch (1.5 mm) of window sealant. Use new blade tips after 3 to 4 cuts.
 3. Spray the slip solution, composed of one capful of baby shampoo or dishwashing liquid to 1 gallon of water, on window glass and adhesive to facilitate proper positioning of film.
 4. Apply film to glass and lightly spray film with slip solution.
 5. Squeegee from top to bottom of window. Spray slip solution to film and squeegee a second time.
 6. Bump film edge with lint-free towel wrapped around edge of a 5-way tool.
 7. Upon completion of film application, allow 30 days for moisture from film installation to dry thoroughly, and to allow film to dry flat with no moisture dimples when viewed under normal viewing conditions.
- B. Impact Protection Adhesive Installation:
 1. The film attachment system shall be applied according to the specifications of the Manufacturer by an Authorized Dealer/Applicator. Refer to 3M publication, 70-0709-0322-7, 3M Impact Protection Adhesive Attachment System Installation Instructions.
 - a. For blast hazard mitigation: minimum 1/2 inch bead overlap on both frame and film (excluding glazing stops or compression gaskets).
 - b. For impact resistance and building envelope protection: minimum 3/8 inch bead overlap on both frame and film (excluding glazing stops or compression gaskets).
 2. To ensure a straight and consistent bead width is achieved, masking tape

- may be applied to film and frame surfaces prior to application.
3. With prior approval of the building owner or property manager, existing compression gaskets may be partially removed or trimmed to allow for a thinner bead and stronger anchorage. If removing the gaskets, sections shall be trimmed approximately 3 inches in length and inserted with appropriate spacing along all sides of the window to help secure the glazing during application and curing of the Impact Protection Adhesive.
 4. The Impact Protection Adhesive shall be dispensed with a caulk gun with nozzle opening diameter sized to match the approximate size of the desired bead width.
 5. A plastic putty knife or other tool with a clean straight edge shall be used to trowel and smooth out the adhesive. The completed adhesive bead shall be relatively triangular in shape.
 6. Any masking tape used shall be carefully removed within 10 minutes after applying the wet glaze.
- C. Impact Protection Profile Installation:
1. The film attachment system shall be applied according to the specifications of the Manufacturer by an Authorized Dealer/Applicator trained to install 3M Impact Protection Profile. Refer to 3M publication, 3M Impact Protection Profile Installation Systems Instructions.
 2. Each profile piece must span continuously to both sides of the window, within 1/8 inch to the frame edge. Splicing the profile between frame edges is prohibited.
 3. Profile must be aligned and applied by 3M recommended or approved methods and tools to ensure a quality installation.
 4. Corner joints must be fabricated by 3M recommended and approved methods. No part of the profile adhesive shall make contact with an adjacent profile.
 5. Sufficient pressure must be evenly applied along the entire length of the profile to ensure full adhesion from both adhesive strips. A roller tool is required to minimize entrapment of air in the adhesive.
- 3.4 CLEANING AND PROTECTION
- A. Remove left over material and debris from Work area. Use necessary means to protect film before, during, and after installation.
 - B. Touch-up, repair or replace damaged products before Substantial Completion.
 - C. After application of film, wash film using common window cleaning solutions, including ammonia solutions, 30 days after application. Do not use abrasive type cleaning agents and bristle brushes to avoid scratching film. Use synthetic sponges or soft cloths.

END OF SECTION

ATTACHMENT C
INSTALLED WINDOW WARRANTY

LIMITED 10 YEAR WARRANTY DUAL SEAL SILICONE INSULATING GLASS UNITS

Contractor: MISSION GLASS
Project: OLYMPIA TRANSIT CENTER EXPANSION, 222 STATE AVE NE, OLYMPIA WA 98501
Date: November 22, 2019

Northwestern Industries, Inc. (NWI) warrants that its dual seal silicone insulating glass units to be free from substantial obstruction of vision from dust or film formation or moisture accumulation between sealed panes of glass resulting from failure of the perimeter seal due to defective materials or workmanship for a period of ten years from date of substantial completion date, December 22, 2019.

This warranty shall not cover or apply to: glass breakage; failure caused by acts of God or an intervening cause, failure due to mishandling, loading, unloading, storage, misuse, abuse, improper installation including scratches or abrasions from the use of abrasive cleaners, solvents, acids, or any other chemicals used on or around the product; application of films; incompatibility to other glazing or installation materials such as coatings, sealants, setting blocks, lubricants, gaskets, insulation or any other related materials; installation in a high moisture environment, including but not limited to, swimming pool or greenhouse enclosures; improper design or specification; installation by persons who are not qualified glaziers; or by any other cause whatsoever not within our exclusive control. NWI reserves the right to inspect, in the field, any insulating glass units alleged to be defective.

In the event the insulating glass units fail to conform to the warranty described above, NWI, will at its option, furnish the purchaser with another product or refund the purchase price of the product. NWI will bear no other expense, such as labor costs of any kind, and purchaser's exclusive remedy, in lieu of all incidental, special, or consequential damages, including in the case of negligence, is limited to a refund or the furnishing of another product as heretofore described. Any units replaced under this warranty are limited to the original warranty period and shall not be extended beyond the original ten years.

NORTHWESTERN INDUSTRIES INC. MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, REGARDING INSULATING GLASS UNITS AND ESPECIALLY DOES NOT EXPRESS OR IMPLY WARRANTY AS TO THEIR FITNESS FOR ANY PARTICULAR PURPOSE OR APPLICATION.

NWI's warranty will be void in the event that full payment is not received for goods and services within the agreed terms of sale. This warranty may only be modified upon written approval of NWI's President. Any inquiries on these warranties or defective items should be directed to:

Northwestern Industries, Inc.
2500 West Jameson Street
Seattle, WA 98199-1294
206.285.3140

BY:



Kelly Locke
Credit Manager