

**ADDENDUM NO. 1 TO
SPECIFICATIONS AND CONTRACT DOCUMENTS FOR
MARYSVILLE CWSRF SANITARY SEWER IMPROVEMENTS (Rebid)**

Issued: May 3, 2022

HRC Job No. 20201050

Intent:

This Addendum No. 1 is issued prior to receipt of Bids to provide clarification relative to the Bidding Documents. Failure to include this Addendum No. 1 within the Bidding Documents may result in disqualification of the bid.

Pre-Bid Meeting held on 04/27/2022. Meeting Minutes have been included in this Addendum.

Changes to Specification Section 00300 – Proposal

1. Separated the Division 2 quantities based on pipe diameters.

Changes to Specification Section 00851- CWSRF Requirements

1. Updated the Prevailing Federal Wage Rates to the most recent version, dated 02/25/2022.

Changes to Attachment 2-B- Pipe Rehab Work Summary Tables

1. Added upstream and downstream invert depths and pipe slope where available.
2. Added table showing the number of locations and breakdown of Division 2 work.

ACTION:

Replace Specification Section 00300 – Proposal with revised Specification Section 00300 – Proposal dated 05/03/2022.

Replace Specification Section 00851 – CWSRF Requirements with revised Specification Section 00851– CWSRF Requirements dated 05/03/2022.

Replace Attachment 2-B – Pipe Rehab Work Summary Tables with revised Attachment 2-B Pipe Rehab Work Summary Tables dated 05/03/2022.

Bloomfield Hills
555 Hulet Drive
Bloomfield Hills, MI 48302
248-454-6300

Delhi Township
2101 Aurelius Rd.
Suite 2A
Holt, MI 48842
517-694-7760

Grand Rapids
1925 Breton Road SE
Suite 100
Grand Rapids, MI 49506
616-454-4286

Howell
105 W. Grand River
Howell, MI 48843
517-552-9199

Jackson
401 S. Mechanic St.
Suite B
Jackson, MI 49201
517-292-1295

Kalamazoo
834 King Highway
Suite 107
Kalamazoo, MI 49001
269-665-2005

Lansing
215 S. Washington
SQ
Suite D
Lansing, MI 48933
517-292-1488

QUESTIONS:

1. See Pre-bid Meeting Minutes for Contractor questions received as of 04/27/2022.
2. Question: Is steam curing allowed on this project?
Answer: Yes, on pipes 12" and smaller.
3. Question: Can you let me know what/who the approved products/manufacturers are for the Internal Chimney Seals and Manhole Lining portion?
Answer: Products will be approved per submitted shop drawings as long as the products conform with the specifications.
4. Question: For Division 3 schedule, is the 2023 start going to happen like that? Or can we do that in 2022 if we wanted to?
Answer: If the Owner decides to award the divisions separately, then Division 3 will be completed last, and the start date will likely be in 2023 as stated in the revised proposal. If all divisions are awarded to one contractor, that contractor is free to schedule the work however they want.
5. Question: Do we use the original bid documents for the SRF requirements and all other requirements not listed in the new document you sent out?
Answer: Only the requirements laid out in the updated SRF Requirements specification will be needed.
6. Question: Are you open to adjusting the bid tab for Division 2 to include each diameter and the lengths of each diameter for both cleaning/CCTV and lining?
Answer: We will consider this and will update in Addendum #1 if any changes are deemed appropriate.
 - a. **PLEASE NOTE THAT THESE CHANGES HAVE BEEN MADE TO DIVISION 2.**
7. Question: Will you consider changes to the Styrene monitoring program defined in the specification? It is very stringent and caused us to price the earlier bid with styrene free resin, which adds at least 30% to the cost of lining.
Answer: We will consider updates to the styrene odor control plan and will issue any changes along with Addendum #1.
 - a. **PLEASE NOTE THAT NO CHANGES WERE MADE TO THE STYRENE ODOR CONTROL REQUIREMENTS.**

ATTACHMENTS:

1. Pre-bid Meeting Minutes from 04/27/2022.
2. Specification Section 00300 – Proposal dated 05/03/2022.
3. Specification Section 00851 – CWSRF Requirements dated 05/03/2022.
4. Attachment 2-B – Pipe Rehab Work Summary Tables date 05/03/2022.

The Bidder shall acknowledge receipt of the Addendum No. 1 below and on the Proposal Form or the bid may not be considered.

Meeting Minutes

CWSRF – Sanitary Sewer Improvements Project Rebid- Pre Bid Meeting

City of Marysville

Date: April 27, 2022

HRC Job No. 20201050

Time: 1:00 PM

Meeting Location: Marysville City Hall

<u>Attendee Name</u>	<u>Representing</u>	<u>Contact Information</u>
Mike Booth	City of Marysville	(810) 455 1314
Barry Kreiner	City of Marysville	(810) 650 3810
Jennifer Morreale	HRC	(248) 535 3320
Andrew Johnstone	HRC	(248) 535 3367
John Thompson	Granite Inliner	(734) 231 6691
Tim Lange	Synergy Equipment	(248) 303 3145
Steve Johnson	Advanced Underground	(734) 348 0112
Eric Stanford	Advanced Rehab Tech	(248) 931 1254
Ralph Livingston	Raymond Excavating	(810) 364 6881

PURPOSE: Desired Outcome: to review the requirements and details for the Marysville Clean Water State Revolving Fund (CWSRF) Sanitary Sewer Improvements project and answer all Contractor questions and address changes made in the rebid contract documents.

AGENDA ITEMS

1. Introduction – City and Hubbell, Roth & Clark, Inc. staff were introduced:
 - a. Barry Kreiner, Department of Public Works Director
 - b. Mike Booth, Finance Director
 - c. Jennifer Morreale, Project Manager
 - d. Andrew Johnstone, Project Engineer
2. Project Summary – This project is being rebid as no bids were received the first time the project was out for bids. The work has been split into different divisions, and bidders are permitted to bid on just one division should they choose. Divisions that are not being bid shall be labelled “No bid”. The divisions were also renumbered from the previous project. Bidders shall be sure to coordinate pickup of the updated bid documents to ensure they have the correct proposal form.
 - a. Manhole rehabilitation – The manhole rehabilitation items were reviewed, as shown on Section 00300 of the specifications.
 - i. Work Location Maps → Work Summary Tables – All work is shown on the work location maps and each manhole to be repaired has an associated line in the work summary tables. Winning bidder(s) can request individual summary tables for each work location map.
 - ii. The manhole rehabilitation work was not split between the trenchless and open cut, as the majority of the manholes have an element of both.
 - b. Pipe rehabilitation – The pipe rehabilitation items were reviewed, as shown on Section 00300 of the

Delhi Township
2101 Aurelius Rd.
Suite 2A
Holt, MI 48842
517-694-7760

Detroit
535 Griswold St.
Buhl Building, Ste 1650
Detroit, MI 48226
313-965-3330

Grand Rapids
801 Broadway NW
Suite 215
Grand Rapids, MI 49504
616-454-4286

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105 W. Grand River
Howell, MI 48843
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834 King Highway
Suite 107
Kalamazoo, MI 49001
269-665-2005

Lansing
215 S. Washington SQ
Suite D
Lansing, MI 48933
517-292-1488

specifications.

- i. Work Location Maps → Work Summary Tables – Similar to the manhole work, the pipe rehabilitation is shown on the work location maps and each pipe to be rehabilitated is included in the pipe rehabilitation summary table.
 - ii. Summary tables can be split if divisions are awarded to separate contractors.
 - c. Replacement Locations – There are 10 total replacement locations and detail sheets for each have been included in Attachment 3. All work required to perform replacement, as shown, shall be included in the lump sum bid price. If something is not shown on the estimated quantity table but Contractor determines it is necessary, the price for that work shall be included in the lump sum (LS) price and will not be eligible to be added after bids are received.
 - i. Open Cut – Locations 1, 2, 3, 4, 6, 7, 8, and 10 include open cut work.
 - ii. Pipe Bursting – Locations 5 and 9 include pipe bursting work.
 - iii. Jack and Bore – Location 10 includes a short section of jack and bore work. This is required because the County would not permit open cutting across Range Road.
 - d. Incidental Items – Many items are included as incidental to the rehabilitation items including mobilization, traffic control, audio/video route survey (only need to video areas affected by work), pipe preparation (cut attached encrustations/protruding laterals, cleaning, etc.), pre-rehab Closed-Circuit Television (CCTV) post rehab CCTV, bypass pumping, tree removals, pavement removal & replacement, and all restoration items.
 - i. The City has indicated that dewatering should not be necessary as they do not typically need it for spot repairs. Contractors shall review the soil borings and make their own determinations.
 - e. Restoration – Work sites shall be restored to existing condition or better. Seeding shall be used per the contract specifications. Sod will not be required.
 - f. Soil Borings – Borings have been obtained at three (3) locations, and this information is included in specification Section 01900.
3. Traffic Control – Michigan Department of Transportation (MDOT) typical details have been provided in specification Section 01000, and shall be used as applicable.
 - a. Detour Plan for Replacement #4 – The Contractor will be required to follow the detour plan included in Attachment 5, unless Contractor does not close the turn lane from southbound Busha Highway to westbound Gratiot. This will likely require smaller, specialized equipment. Contractor shall coordinate work with Engineer/Owner to ensure MDOT is notified a minimum of 10 days prior to working within their right-of-way. Gratiot and Busha Highway are both MDOT owned roads. Traffic control is incidental.
4. Soil Erosion and Sedimentation Control (SESC) – This will be required at locations 4 and 5 and as required by the specifications. SESC plans and permit have been included in the rebid package.
5. Testing-Materials testing will be handled by the Owner. BMJ Engineers & Surveyors, Inc. will be the testing company. This company is based out of Port Huron, but coordination with the Engineer/Owner will be necessary to ensure proper notification is given.
6. CWSRF Requirements
 - a. Prevailing Wages – Davis Bacon Wages are required for this job; an addendum will be issued with the latest wage determination or will include a note that no changes have been made since the issued for bids specifications have been issued.
 - b. American Iron and Steel Requirements – This is required for any iron/steel materials to be installed. Must be American made/fabricated. This should not be relevant for this project; however, it is still a requirement and a review with the Michigan Department of Environment, Great Lakes, and Energy (EGLE) will be necessary.
7. Updated sections for rebid
 - a. Section 00030: Advertisement – Changes include updated dates for new project schedule, included pipe sizes in project description, and minor language updates for rebid.
 - b. Section 00120: Instructions to Bidders – A link was added to this section that directs you to the sewer videos from SAW program, and the dates were updated for the new rebid schedule.

- c. Section 00300: Proposal – Pipe rehab work was split into separate divisions (Divisions 1 and 2), language was included stating that Owner will accept bids for individual divisions and bidders shall enter a “No bid” for excluded divisions. Divisions were renumbered. Contract dates were updated, and the separate divisions schedule was included.
 - d. Section 00851: CWSRF Requirements – The new EGLE “Non-equivalency boilerplate” EGLE document replaced the old section. Main change is that the disadvantaged business enterprise requirements were removed.
 - e. Section 02030: Sequence of Construction – This section was updated to included additional info for Separate Divisions.
 - f. Section 02708: Full Length CIPP – This section was updated to include language stating that steam curing will be permitted for pipes sized 12” or smaller.
 - g. Section 02709: Sectional CIPP – This section was updated to include language stating that steam curing will be permitted for pipes sized 12” or smaller.
 - h. Section 02990: Permits – Approved permit applications and associated supporting documents were added.
8. Important dates
- a. Questions due – April 29, 2022, by 2:00 p.m.
 - b. Bids due – May 12, 2022, by 2:00 p.m.
 - c. Substantial Completion – October 1, 2023, or as shown in Contract Documents.
 - d. Final Completion – October 15, 2023, or as shown in Contract Documents.
9. Permits – A permit allowance has been included in the proposal from, however, permits will be obtained at no cost to the Contractor.
- a. MDOT ROW permit – This permit application has been approved and is included in the updated Permits section.
 - b. St. Clair County SESC permit – This permit application has been approved and is included in the updated Permits section. Contractor will be required to provide their information to the County and pick up this permit.
 - c. EGLE Part 41 Permit – This permit application has been approved and is included in the updated Permits section.
10. Questions:
1. For bypass pumping, will existing sewer flow data be provided?
 - a. **There is no flow data available for the pipe and manhole rehabilitation locations. Slope information has been provided in the updated Attachment #2: Pipe Rehab Work Summary Tables for flow estimates.**
 2. The proposal shows grouting for 434 pipe joints, can a breakdown of the number of joints per diameter be provided?
 - a. **Yes, HRC will provide this with Addendum #1.**
 3. Will the City provide water and a location to dump the decant water?
 - a. **Yes, the City will allow contractors to use water free of charge. Typically, the hydrant used is at DPW, but DPW can open hydrant(s) elsewhere. The City also has a location for disposal of decant water.**
 4. Pipe bursting is in the open cut division. Should this be move to the trenchless division?
 - a. **This will not be split, as there are only two (2) sections of pipe bursting. These can be bid as open cut, but the City estimated that it would be cheaper and cause less resident disruption if pipe bursting is used.**
 5. Can the pipe lining be split based on pipe diameter along with the grouting work?
 - a. **Yes, HRC will provide this in Addendum #1.**

These minutes are intended to be a summary of those items discussed.

Respectfully submitted,

HUBBELL, ROTH & CLARK, INC.



Andrew Johnstone, P.E.
Staff Engineer
5/3/2022

AKJ/jlm

pc: All present
HRC: J. VanDeCreek, File
EGLE: S. Peterson, T. McDowell

PROPOSAL
FOR
CWSRF SANITARY SEWER IMPROVEMENTS
CITY OF MARYSVILLE
ST. CLAIR COUNTY, MICHIGAN

City of Marysville
1255 Delaware Ave.
Marysville, MI, 48040

Bids Due: **Thursday, May 12th, 2022**
On or Before **2:00 p.m., Local Time**
HRC Job No. 20201050

To Prospective Bidders:

Name of Bidder: _____

Address: _____

Date: _____ Telephone: _____ Fax: _____

The above, as Bidder, hereby declares this bid is made in good faith without fraud or collusion with any persons bidding, and that the Drawings, Specifications, and all other information referenced in the Instructions to Bidders have been examined. Further, the Bidder is familiar with the location of the work described herein and is fully informed as to the nature of the work and the conditions relating to the performance of the Contract.

The Bidder acknowledges that no representations or warranties of any nature whatsoever have been received, or are relied upon from the City of Marysville, its agents or employees, as to any conditions to be encountered in accomplishing the work and that the bid is based solely upon the Bidder's own independent judgment.

The above, as Bidder, hereby certifies that the Drawings, Specifications, and other data provided by the Owner for bidding purposes have been examined. Further, the undersigned certifies that the proposed construction methods have been reviewed and found acceptable for the conditions which can be anticipated from the information provided for bidding.

The Bidder hereby affirms that the site of work has been inspected and further declares that no charges in addition to the Individual Unit Prices shall be made on account of any job circumstances or field conditions which were present and/or ascertainable prior to the bidding. In addition, the Contractor, as such and as Bidder, shall make the determination as to existing soil conditions and shall also complete the work under whatever conditions created by the Contractor/Bidder's sequence of construction, construction methods, or other conditions the Contractor/Bidder may create, at no additional cost to the Owner.

The above, as Bidder, confirms knowledge of the location of the proposed CWSRF Sanitary Sewer Improvements and appurtenant construction in the City of Marysville, St. Clair County, Michigan, and the conditions under which it must be constructed; and also declares to have carefully examined the Drawings, Specifications, and Contract Documents which the Bidder understands and accepts as sufficient for the purpose of constructing said Sanitary Sewer Improvements Project, and appurtenant work, and agrees to contract with the City of Marysville to furnish all labor, materials, tools, equipment, facilities and supervision necessary to do all the work specified and prescribed for the City of Marysville, in strict accordance with the Owner's General Conditions, and with the full intent of the Drawings and Specifications, prepared by Hubbell, Roth & Clark, Consulting Engineers, and will accept in full payment therefore the sum of:

DIVISION 1: PIPE REPLACEMENTS AND SPOT REPAIRS

Item No.	Rehab Item	Qty.	Unit	Unit Cost	Total Cost
*Pipe Replacement Work Items:					
1	Replacement Location #1	1	LS		
2	Replacement Location #2	1	LS		
3	Replacement Location #3	1	LS		
4	Replacement Location #4	1	LS		
5	Replacement Location #5	1	LS		
6	Replacement Location #6	1	LS		
7	Replacement Location #7	1	LS		
8	Replacement Location #8	1	LS		
9	Replacement Location #9	1	LS		
10	Replacement Location #10	1	LS		
11	Permit Allowance	1	LS	\$500	\$500
12	As-Needed Conc. Pavt, Reinf., 9 inch	0	SYD		
13	As-Needed HMA, MDOT 1300T	0	TON		
14	As-Needed HMA, MDOT 1100L	0	TON		
15	As-Needed Hand Patch, HMA	0	TON		
16	As-Needed Contaminated Soils Disposal (Hazardous)	0	CYD		
17	As-Needed Contaminated Soils Disposal (Non-Hazardous)	0	CYD		
DIVISION 1 TOTAL:					

DIVISION 2: TRENCHLESS PIPE REHABILITATION

Item No.	Rehab Item	Qty.	Unit	Unit Cost	Total Cost
Pipe Rehabilitation Items:					
18	Chemical Pipe Joint Grouting, (8")	42	Ea		
19	Chemical Pipe Joint Grouting, (10")	240	Ea		
20	Chemical Pipe Joint Grouting, (12")	66	Ea		
21	Chemical Pipe Joint Grouting, (15")	21	Ea		
22	Chemical Pipe Joint Grouting, (18")	60	Ea		
23	Chemical Pipe Joint Grouting, (21")	0	Ea		
24	Chemical Pipe Joint Grouting, (24")	5	Ea		
25	Sewer, Cured-In-Place Pipe Lining, (8")	882	Lft		
26	Sewer, Cured-In-Place Pipe Lining, (10")	8,487	Lft		
27	Sewer, Cured-In-Place Pipe Lining, (12")	2,369	Lft		
28	Sewer, Cured-In-Place Pipe Lining, (15")	354	Lft		
29	Sewer, Cured-In-Place Pipe Lining, (18")	1,556	Lft		
30	Sewer, Cured-In-Place Pipe Lining, (21")	765	Lft		
31	Sewer, Cured-In-Place Pipe Lining, (24")	0	Lft		
32	Sewer, Cured-In-Place Pipe Lining, Sectional, 4-foot (8")	26	Ea		
33	Sewer, Cured-In-Place Pipe Lining, Sectional, 4-foot (10")	58	Ea		
34	Sewer, Cured-In-Place Pipe Lining, Sectional, 4-foot (12")	14	Ea		
35	Sewer, Cured-In-Place Pipe Lining, Sectional, 4-foot (15")	10	Ea		
36	Sewer, Cured-In-Place Pipe Lining, Sectional, 4-foot (18")	12	Ea		
37	Sewer, Cured-In-Place Pipe Lining, Sectional, 4-foot (21")	0	Ea		

38	Sewer, Cured-In-Place Pipe Lining, Sectional, 4-foot (24")	2	Ea		
DIVISION 2 TOTAL:					

DIVISION 3: MANHOLE REHABILITATION

Item No.	Rehab Item	Qty.	Unit	Unit Cost	Total Cost
39	Remove & Replace Cover	3	Ea		
40	Remove & Reset Frame & Cover (Vegetation/Gravel)	10	Ea		
41	Remove & Reset Frame & Cover (Pavement)	5	Ea		
42	Remove & Replace Frame & Cover (Vegetation/Gravel)	3	Ea		
43	Remove & Replace Frame & Cover (Pavement)	3	Ea		
44	Replace Chimney	15	Ea		
45	Adjust Elevation (< 2 ft) to Bring to Grade	1	Ea		
46	Adjust Elevation 4" Above Grade	2	Ea		
47	Adjust Elevation 2" Above Grade	1	Ea		
48	Apply External Manhole Wrap/Seal	14	Ea		
49	Apply Internal Chemical Chimney Wrap/Seal	1	Ea		
50	Seal Joint(s) with Mortar	26	Ea		
51	Seal Leak(s) with Hydrophobic Grout	77	Ea		
52	Apply Internal Manhole Lining (per linear ft. depth)	220	Lft		
53	Furnish and Install O-Ring	1	Ea		
54	Complete Manhole Rebuild	1	Ea		
55	Point Inside Chimney with Mortar	79	Ea		
56	Vactor Manhole	4	Ea		
57	Furnish and Install new Sanitary Manhole (Vegetation)	1	Ea		

58	As-Needed Conc. Pavt, Reinf., 9 inch	0	SYD		
59	As-Needed HMA, MDOT 1300T	0	TON		
60	As-Needed HMA, MDOT 1100L	0	TON		
61	As-Needed Hand Patch, HMA	0	TON		
62	As-Needed Contaminated Soils Disposal (Hazardous)	0	CYD		
63	As-Needed Contaminated Soils Disposal (Non-Hazardous)	0	CYD		
DIVISION 3 TOTAL:					

TOTAL BID AMOUNT: _____

***Pipe Replacement Work Items:** Refer to Attachment 3: Pipe Replacement Detail Sheets for detailed information at each open cut location. Estimated quantities have been provided on the detail sheets, but Contractors are responsible for determining ALL work required to perform the open cut pipe repair and restore the site to existing conditions. ALL costs shall be included in the lump sum bid item for that location.

Pre-rehabilitation cleaning and CCTV is required for ALL pipes that have an associated rehabilitation item, excluding full pipe replacements. Sewer cleaning will only be required where necessary to complete the sewer televising, unless identified in the Work Summary Tables (Attachment 2). This pre-rehabilitation cleaning and CCTV is considered incidental to the rehabilitation items.

****As-Needed Items:** These items have been provided to be used on an as-needed basis and shall only be used when approved by the Owner/Engineer. Quantities shown are estimates and are subject to change. Unit prices for these items shall remain firm, regardless of any increase or decrease in quantity.

The Owner reserves the right to add or delete quantities from the Contract and adjustments will be subject to the availability of funds at the time of bid letting. Deletion or addition of quantities shall not be grounds for the low qualified bidder to adjust unit prices for the project that the Owner intends to execute as a Contract, nor shall the Contractor be entitled to compensation from unrealized profits resulting from the deletion of quantities.

Bidders are permitted to submit bids for individual divisions (and therefore enter “No Bid” for the divisions they are not bidding); however, it is the preference of the Owner to award all divisions to one bidder. The Owner reserves the right to award the contract to a bidder who bids on all divisions, even if that bidder is not the lowest bid for a particular division. Should the Owner decide to award the divisions of work separately, the Contractors shall follow the “Separate Divisions” schedule as outlined in the Time of Completion section herein and shall be subject to the requirements outlined in specification Section 02030: Sequence of Construction and Special Project Requirements.

The Owner, at its sole discretion, reserves the right to award to the Bidder who, in the sole determination of the Owner, will best serve the interest of the Owner. The Owner reserves the right to accept any bid or any division, to reject any or all bids or any division, to waive any and all informalities involving price, time, or changes in the work, and to negotiate contract terms with the successful Bidder, and the right to disregard all nonconforming, nonresponsive, unbalanced, or conditional bids. However, it is the intention of the Owner to

award to the low total bid to one bidder. Also, the Owner reserves the right to reject the bid of any Bidder if the Owner believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the bid is not responsive or the Bidder is unqualified, of doubtful financial ability, or fails to meet any other pertinent standard or criteria established by the Owner.

Each bidder agrees to waive any claim it has or may have against the Owner, the Architect/Engineer, and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid.

Each Proposal must be accompanied by a bid deposit in the form of a certified check, cashier's check or bid bond, executed by the bidder and Surety Company, payable to the City of Marysville in the amount of Five Percent (5%) of the amount of the Proposal. See Instructions to Bidders – Bid Deposit for more information.

TAXES

The Bidder affirms that all applicable Federal, State and Local taxes of whatever character and description are included in all prices stated in this Form of Proposal.

ADDENDA

The Bidder acknowledges the following Addenda, covering revisions to the drawings or specifications and the cost, if any, of such revision has been included in the quoted proposal:

Addendum No. _____	Dated _____
Addendum No. _____	Dated _____
Addendum No. _____	Dated _____

FEES

The Bidder shall refer to the General Conditions for allowable Fees for additional work performed, upon Owner's written authorization, by Bidder's own forces and/or for additional work, upon Owner's written authorization, by Bidder's subcontractors.

TIME OF COMPLETION

All Divisions:

Should the Owner decide to award all divisions of this Contract to one Contractor for the **CWSRF Sanitary Sewer Improvements Project**, all work shall be substantially completed by **Friday, October 1, 2023**.

Final Completion with all clean-up, restoration, and punch-list items shall be completed by **Friday, October 15, 2023**.

Separate Divisions:

Should the Owner decide to award divisions of the Contract separately for the **CWSRF Sanitary Sewer Improvements Project**, the work shall be completed as indicated in specification Section 02030: *Sequence of*

Construction and Special Project Requirements, whereas the sequence of work is Division 1→Division 2→Division 3. The start dates and completion dates shall be as follows:

Division 1:

Start Date: Within 30 days of the Notice to Proceed (No later than **Monday, August 22, 2022**)

Intermediate Completion Date (for Replacements #2 and #7): **Friday, September 23, 2022**

Substantial Completion: **Friday, April 28, 2023**

Final Completion: **Friday, May 12, 2023**

Division 2:

Start Date: **Monday, September 26, 2022**

Substantial Completion: **Friday, April 28, 2023**

Final Completion: **Friday, May 12, 2023**

Division 3:

Start Date: **Monday, June 1, 2023**

Substantial Completion: **Friday, October 1, 2023**

Final Completion: **Friday, October 15, 2023**

Substantial Completion is defined that the facility is ready to use for its intended purpose with all utility systems fully functional.

The Bidder(s) hereby agrees to furnish the required Bonds, Insurance Certificates, and Policies within 10 days after acceptance of this Proposal.

The execution of all work and specific constraints as described in the contract drawings and specifications herein must be strictly adhered to.

LIQUIDATED DAMAGES

The Bidder guarantees that the work will be completed within the time limit stated herein before or within the time as extended as provided elsewhere in the Specifications. Inasmuch as the damage and loss to the Owner which will result from the failure of the Bidder to complete the work within the stipulated time, will be most difficult or impossible to accurately determine, it is mutually agreed that the damages to the Owner for such delay and failure on the part of the Bidder shall be liquidated in the amount of One Thousand Dollars (\$1,000.00), for each and every calendar day by which the Bidder shall fail to complete the work or any part thereof within the provisions hereof, and such liquidated damages shall not be considered as a penalty.

The Owner will deduct and retain out of any money due or to become due hereunder the amount of the liquidated damages, and in case those amounts are less than the amount of actual liquidated damages, the Bidder shall pay the difference upon demand of the Owner.

We understand that liquidated damages may be assessed should we fail to meet the stipulated completion dates. Specifically, if the Owner awards divisions of the Contract separately, liquidated damages will be assessed daily beginning **on the Substantial Completion Date for the Division of work, as specified above** until such a time that Substantial Completion is achieved and further if all work is not completed by the **Final Completion Date for the Division of work, as specified above.**

If the Owner decides to award all divisions of this Contract to one Contractor, liquidated damages will be assessed daily beginning on **Friday, October 1, 2023** until such a time that Substantial Completion is achieved and further if all work is not completed by **Friday, October 15, 2023.**

BIDS TO REMAIN FIRM

The price stated in this Proposal shall be guaranteed for a period of not less than 90 days from the bid due date and if authorized to proceed within that period, the bidder agrees to complete the work covered by the Proposal at said price.

If this Proposal is accepted by the Owner and the undersigned shall fail to contract as aforesaid and to furnish the required surety bonds within fifteen (15) days after being notified of the acceptance of their bid, then the undersigned shall be considered to have abandoned the contract, and the Certified Check, Cashier's Check or Bid Bond accompanying this Proposal shall be forfeited to the City of Marysville.

If the undersigned enters into the contract in accordance with their proposal, or if their proposal is not accepted, then the accompanying bid guarantee shall be returned to the undersigned.

Company Name: _____

Signature: _____ Title: _____

Address: _____

County: _____ State: _____

Telephone No.: _____ Fax No.: _____

Email Address: _____

LEGAL STATUS OF BIDDER

This Bid is submittal in the name of:

(Print) _____

The undersigned hereby designates below the business address to which all notices, directions or other communications may be served or mailed:

Street _____

City _____

State _____ Zip Code _____

The undersigned hereby declares the legal status checked below:

- ☐ INDIVIDUAL
- ☐ INDIVIDUAL DOING BUSINESS UNDER AN ASSUMED NAME
- ☐ CO-PARTNERSHIP
The Assumed Name of the Co-Partnership is registered in the County of _____, Michigan
- ☐ CORPORATION INCORPORATED UNDER THE LAWS OF THE STATE OF _____
_____. The Corporation is
- ☐ LICENSED TO DO BUSINESS IN MICHIGAN
- ☐ NOT NOW LICENSED TO DO BUSINESS IN MICHIGAN

The name, titles, and home addresses of all persons who are officers or partners in the organization are as follows:

A corporation duly organized and doing business under the laws of the State of _____

NAME AND TITLE

HOME ADDRESS

Signed and Sealed this _____ day of _____, 20__.

By (Signature)

Printed Name of Signer

Title

BID BOND

We, the undersigned, _____

As Principal, hereinafter called the Principal, and _____

A corporation duly organized under the laws of the State of _____

As surety, hereinafter called the SURETY, are held and firmly bound unto:

The Owner: _____

in the sum of _____ Dollars (\$ _____),

For the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for _____

NOW, THEREFORE, if the OWNER shall accept the bid of the Principal and the Principal shall enter into a contract with the OWNER in accordance with the terms of such bid, and give such bond or bonds as may be specified in the CONTRACT DOCUMENTS with good and sufficient surety for the faithful performance of such contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such contract and give such bond or bonds, if the Principal shall pay to the OWNER the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the OWNER may in good faith contract with another party to perform the work covered by said bid, then the obligation of the Principal shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this _____ day of _____, 20____

(Witness)

(Principal)

(Seal)

(Title)

(Witness)

(Surety)

(Title)

END OF SECTION

REQUIRED STANDARD CONTRACT LANGUAGE: CLEAN WATER STATE REVOLVING FUND AND DRINKING WATER REVOLVING FUND NON- EQUIVALENCY PROJECTS

- **Davis-Bacon/Prevailing Federal Wages, Including Labor Standards Provisions**
- **Debarment/Suspension Certification***

5/3/2022- Addendum 1

*** Bidders should note these sections contain instructions regarding forms/information that must be completed/included with any submitted bid.**

Davis-Bacon/Prevailing Federal Wage Rates

P.L. 111-88 requires compliance with the Davis Bacon Act and adherence to the current U.S. Department of Labor Wage Decision. Attention is called to the fact that not less than the minimum salaries and wages as set forth in the Contract Documents (see Wage Decision included herein) must be paid on this project. The Wage Decision, including modifications, must be posted by the Contractor on the job site. A copy of the Federal Labor Standards Provisions is included and is hereby a part of this contract.

"General Decision Number: MI20220001 04/29/2022

Superseded General Decision Number: MI20210001

State: Michigan

Construction Types: Highway (Highway, Airport & Bridge xxxxx and Sewer/Incid. to Hwy.)

Counties: Michigan Statewide.

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	01/21/2022
2	02/11/2022

3	02/25/2022
4	03/25/2022
5	04/08/2022
6	04/15/2022
7	04/29/2022

CARP0004-004 06/01/2019

REMAINDER OF STATE

	Rates	Fringes
CARPENTER (Piledriver).....	\$ 27.62	20.59

CARP0004-005 06/01/2018

LIVINGSTON (Townships of Brighton, Deerfield, Genoa, Hartland, Oceola & Tyrone), MACOMB, MONROE, OAKLAND, SANILAC, ST. CLAIR AND WAYNE COUNTIES

	Rates	Fringes
CARPENTER (Piledriver).....	\$ 30.50	27.28

ELEC0017-005 06/01/2021

STATEWIDE

	Rates	Fringes
Line Construction		
Groundman/Driver.....	\$ 29.11	7.20+32%
Journeyman Signal Tech, Communications Tech, Tower Tech & Fiber Optic Splicers.	\$ 42.55	7.20+32%
Journeyman Specialist.....	\$ 48.93	7.20+32%
Operator A.....	\$ 35.96	7.20+32%
Operator B.....	\$ 33.57	7.20+32%

Classifications

Journeyman Specialist: Refers to a crew of only one person working alone.

Operator A: Shall be proficient in operating all power equipment including: Backhoe,

Excavator, Directional Bore and Boom/Digger truck.

Operator B: Shall be proficient in operating any 2 of the above mentioned pieces of equipment listed under Operator A.

ENGI0324-003 06/01/2021

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LENAWEE, LIVINGSTON, MACOMB, MIDLAND, MONROE, MONTMORENCY, OAKLAND, OGEMAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLAIR, SANILAC, SHIAWASSEE, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment		

(Steel Erection)

GROUP 1.....	\$ 48.02	24.85
GROUP 2.....	\$ 49.02	24.85
GROUP 3.....	\$ 46.52	24.85
GROUP 4.....	\$ 47.52	24.85
GROUP 5.....	\$ 45.02	24.85
GROUP 6.....	\$ 46.02	24.85
GROUP 7.....	\$ 44.75	24.85
GROUP 8.....	\$ 45.75	24.85
GROUP 9.....	\$ 44.30	24.85
GROUP 10.....	\$ 45.30	24.85
GROUP 11.....	\$ 43.57	24.85
GROUP 12.....	\$ 44.57	24.85
GROUP 13.....	\$ 43.21	24.85
GROUP 14.....	\$ 44.21	24.85
GROUP 15.....	\$ 42.57	24.85
GROUP 16.....	\$ 39.37	24.85
GROUP 17.....	\$ 24.89	12.00
GROUP 18.....	\$ 28.38	12.00

FOOTNOTE:

Paid Holidays: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Engineer when operating combination of boom and jib 400' or longer

GROUP 2: Engineer when operating combination of boom and jib 400' or longer on a crane that requires an oiler

GROUP 3: Engineer when operating combination of boom and jib 300' or longer

GROUP 4: Engineer when operating combination of boom and jib 300' or longer on a crane that requires an oiler

GROUP 5: Engineer when operating combination of boom and jib 220' or longer

GROUP 6: Engineer when operating combination of boom and jib 220' or longer on a crane that requires an oiler

GROUP 7: Engineer when operating combination of boom and jib 140' or longer

GROUP 8: Engineer when operating combination of boom and jib 140' or longer on a crane that requires an oiler

GROUP 9: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level)

GROUP 10: Tower crane & derrick operator (where operator's work station is 50 ft. or more above first sub-level) on a crane that requires an oiler

GROUP 11: Engineer when operating combination of boom and jib 120' or longer

GROUP 12: Engineer when operating combination of boom and jib 120' or longer on a crane that requires an oiler

GROUP 13: Crane operator; job mechanic and 3 drum hoist and

excavator

GROUP 14: Crane operator on a crane that requires an oiler

GROUP 15: Hoisting operator; 2 drum hoist and rubber tired backhoe

GROUP 16: Forklift and 1 drum hoist

GROUP 17: Compressor or welder operator

GROUP 18: Oiler

ENGI0324-004 06/01/2021

AREA 1: ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, EATON, HILLSDALE, IONIA, KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN

AREA 2: ANTRIM, BENZIE, CHARLEVOIX, EMMET, GRAND TRAVERSE, KALKASKA, LEELANAU, MISSAUKEE AND WEXFORD COUNTIES:

	Rates	Fringes
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OPERATOR: Power Equipment
(Steel Erection)

AREA 1

GROUP 1.....	\$ 48.02	24.85
GROUP 2.....	\$ 44.75	24.85
GROUP 3.....	\$ 43.21	24.85
GROUP 4.....	\$ 39.37	24.85
GROUP 5.....	\$ 24.89	12.00
GROUP 6.....	\$ 28.38	12.00

AREA 2

GROUP 1.....	\$ 48.02	24.85
GROUP 2.....	\$ 44.75	24.85
GROUP 3.....	\$ 43.21	24.85
GROUP 4.....	\$ 39.37	24.85
GROUP 5.....	\$ 24.89	12.00
GROUP 6.....	\$ 28.38	12.00

FOOTNOTES:

Crane operator with main boom and jib 300' or longer: \$1.50 additional to the group 1 rate. Crane operator with main boom and jib 400' or longer: \$3.00 additional to the group 1 rate.

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

GROUP 1: Crane Operator with main boom & jib 400', 300', or 220' or longer.

GROUP 2: Crane Operator with main boom & jib 140' or longer, Tower Crane; Gantry Crane; Whirley Derrick.

GROUP 3: Regular Equipment Operator, Crane, Dozer, Loader, Hoist, Straddle Wagon, Mechanic, Grader and Hydro Excavator.

GROUP 4: Air Tugger (single drum), Material Hoist Pump 6" or

over, Elevators, Brokk Concrete Breaker.

GROUP 5: Air Compressor, Welder, Generators, Conveyors

GROUP 6: Oiler and fire tender

 ENGI0324-005 09/01/2021

AREA 1: GENESEE, LAPEER, LIVINGSTON, MACOMB, MONROE, OAKLAND,
 ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALCONA, ALLEGAN, ALGER, ALPENA, ANTRIM, ARENAC, BARAGA,
 BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS,
 CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD,
 DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND
 TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA,
 IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT,
 KWEENAW, LAKE, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE,
 MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE,
 MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW,
 ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE,
 ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST.
 JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
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OPERATOR: Power Equipment
 (Underground construction
 (including sewer))

AREA 1:

GROUP 1.....	\$ 37.63	24.85
GROUP 2.....	\$ 32.90	24.85
GROUP 3.....	\$ 32.17	24.85
GROUP 4.....	\$ 31.60	24.85
GROUP 5.....	\$ 23.15	12.05

AREA 2:

GROUP 1.....	\$ 35.92	24.85
GROUP 2.....	\$ 31.03	24.85
GROUP 3.....	\$ 30.53	24.85
GROUP 4.....	\$ 30.25	24.85
GROUP 5.....	\$ 23.15	12.05

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backfiller tamper; Backhoe; Batch plant operator
 (concrete); Clamshell; Concrete paver (2 drums or larger);
 Conveyor loader (Euclid type); Crane (crawler, truck type
 or pile driving); Dozer; Dragline; Elevating grader;
 Endloader; Gradall (and similar type machine); Grader;
 Mechanic; Power shovel; Roller (asphalt); Scraper
 (self-propelled or tractor drawn); Side boom tractor (type
 D-4 or equivalent and larger); Slip form paver; Slope
 paver; Trencher (over 8 ft. digging capacity); Well
 drilling rig; Concrete pump with boom operator; Hydro
 Excavator

GROUP 2: Boom truck (power swing type boom); Crusher; Hoist;
 Pump (1 or more - 6-in. discharge or larger - gas or
 diesel- powered or powered by generator of 300 amperes or
 more - inclusive of generator); Side boom tractor (smaller
 than type D-4 or equivalent); Tractor (pneu-tired, other
 than backhoe or front end loader); Trencher (8-ft. digging
 capacity and smaller); Vac Truck and End dump operator;

GROUP 3: Air compressors (600 cfm or larger); Air compressors (2 or more-less than 600 cfm); Boom truck (non-swinging, non-powered type boom); Concrete breaker (self-propelled or truck mounted - includes compressor); Concrete paver (1 drum-1/2 yd. or larger); Elevator (other than passenger); Maintenance person; Pump (2 or more-4-in. up to 6-in. discharge-gas or diesel powered - excluding submersible pumps); Pumpcrete machine (and similar equipment); Wagon drill (multiple); Welding machine or generator (2 or more-300 amp. or larger - gas or diesel powered)

GROUP 4: Boiler; Concrete saw (40 hp or over); Curing machine (self-propelled); Farm tractor (with attachment); Finishing machine (concrete); Hydraulic pipe pushing machine; Mulching equipment; Pumps (2 or more up to 4-in. discharge, if used 3 hours or more a day, gas or diesel powered - excluding submersible pumps); Roller (other than asphalt); Stump remover; Trencher (service); Vibrating compaction equipment, self-propelled (6 ft. wide or over); Sweeper (Wayne type); Water wagon and Extend-a boom forklift

Group 5: Fire Person, Oiler

* ENGI0324-006 06/01/2021

GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW, WAYNE, ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
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Power equipment operators:
(AIRPORT, BRIDGE & HIGHWAY
CONSTRUCTION)

GROUP 1.....	\$ 36.86	24.85
GROUP 2.....	\$ 30.13	24.85
GROUP 3.....	\$ 29.52	24.85
GROUP 4.....	\$ 29.40	24.85

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plant operator; Crane operator (does not include work on bridge construction projects when the crane operator is erecting structural components); Dragline operator; Shovel operator; Locomotive operator; Paver operator (5 bags or more); Elevating grader operator; Pile driving operator; Roller operator (asphalt); Blade grader operator; Trenching machine operator (ladder or wheel type); Auto-grader; Slip form paver; Self-propelled or tractor-drawn scraper; Conveyor loader operator (Euclid type); Endloader operator (1 yd. capacity and over); Bulldozer; Hoisting engineer; Tractor operator; Finishing

machine operator (asphalt); Mechanic; Pump operator (6-in. discharge or over, gas, diesel powered or generator of 300 amp. or larger); Shouldering or gravel distributing machine operator (self-propelled); Backhoe (with over 3/8 yd. bucket); Side boom tractor (type D-4 or equivalent or larger); Tube finisher (slip form paving); Gradall (and similar type machine); Asphalt paver (self-propelled); Asphalt planer (self-propelled); Batch plant (concrete-central mix); Slurry machine (asphalt); Concrete pump (3 in. and over); Roto-mill; Swinging boom truck (over 12 ton capacity); Hydro demolisher (water blaster); Farm-type tractor with attached pan; Vacuum truck operator; Batch Plant (concrete dry batch); Concrete Saw Operator (40h.p. or over; Tractor Operator (farm type); Finishing Machine Operator (concrete); Grader Operator (self-propelled fine grade or form (concrete)).

GROUP 2: Screening plant operator; Washing plant operator; Crusher operator; Backhoe (with 3/8 yd. bucket or less); Side boom tractor (smaller than D-4 type or equivalent); Sweeper (Wayne type and similar equipment); Greese Truck; Air Compressor Operator (600 cu.ft. per min or more); Air Compressor Operator (two or more, less than 600 cfm);

GROUP 3: Boiler fire tender; Tractor operator (farm type with attachment); Concrete Breaker; Wagon Drill Operator;

GROUP 4: Oiler; Fire tender; Trencher (service); Flexplane operator; Cleftplane operator; Boom or winch hoist truck operator; Endloader operator *under 1 yd. capacity); Roller Operator (other than asphalt); Curing equipment operator (self-propelled); Power bin operator; Plant drier (6 ft. wide or over); Guard post driver operator (power driven); All mulching equipment; Stump remover; Concrete pump (under 3-in.); Mesh installer (self-propelled); End dump; Skid Steer.

 ENGI0324-007 05/01/2021

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
Compressor, welder and forklift.....	\$ 35.90	24.60
Crane operator, main boom & jib 120' or longer.....	\$ 42.37	24.60
Crane operator, main boom & jib 140' or longer.....	\$ 42.67	24.60
Crane operator, main boom & jib 220' or longer.....	\$ 43.26	24.60
Mechanic with truck and tools.....	\$ 41.50	24.60
Oiler and fireman.....	\$ 34.36	24.60
Regular operator.....	\$ 39.72	24.60

 ENGI0324-008 10/01/2020

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY,

BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
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OPERATOR: Power Equipment
(Sewer Relining)

GROUP 1.....	\$ 35.37	14.31
GROUP 2.....	\$ 33.33	14.31

SEWER RELINING CLASSIFICATIONS

GROUP 1: Operation of audio-visual closed circuit TV system, including remote in-ground cutter and other equipment used in connection with the CCTV system

GROUP 2: Operation of hot water heaters and circulation systems, water jetters and vacuum and mechanical debris removal systems

ENGI0325-012 05/01/2021

	Rates	Fringes
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Power equipment operators -
gas distribution and duct
installation work:

GROUP 1.....	\$ 33.48	24.85
GROUP 2.....	\$ 31.45	24.85
GROUP 3.....	\$ 28.85	23.85

SCOPE OF WORK: The construction, installation, treating and reconditioning of pipelines transporting gas vapors within cities, towns, subdivisions, suburban areas, or within private property boundaries, up to and including private meter settings of private industrial, governmental or other premises, more commonly referred to as ""distribution work,"" starting from the first metering station, connection, similar or related facility, of the main or cross country pipeline and including duct installation.

Group 1: Backhoe, crane, grader, mechanic, dozer (D-6 equivalent or larger), side boom (D-4 equivalent or larger), trencher(except service), endloader (2 yd. capacity or greater).

GROUP 2: Dozer (less than D-6 equivalent), endloader (under 2 yd. capacity), side boom (under D-4 capacity), backfiller, pumps (1 or 2 of 6-inch discharge or greater), boom truck (with powered boom), tractor (wheel type other than backhoe or front endloader). Tamper (self-propelled), boom truck (with non-powered boom), concrete saw (20 hp or larger), pumps (2 to 4 under 6-inch discharge), compressor

(2 or more or when one is used continuously into the second day) and trencher(service). Oiler, hydraulic pipe pushing machine, grease person and hydrostatic testing operator.

IRON0008-007 06/01/2021

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector.....	\$ 23.70	6.95
IRONWORKER		
General contracts \$10,000,000 or greater.....	\$ 36.45	27.65
General contracts less than \$10,000,000.....	\$ 36.45	27.65

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day & Christmas Day.

IRON0025-002 06/01/2021

ALCONA, ALPENA, ARENAC, BAY, CHEBOYGAN, CLARE, CLINTON, CRAWFORD, GENESEE, GLADWIN, GRATIOT, HURON, INGHAM, IOSCO, ISABELLA, JACKSON, LAPEER, LIVINGSTON, MACOMB, MIDLAND, MONTMORENCY, OAKLAND, OGEAW, OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, TUSCOLA, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
Ironworker - pre-engineered metal building erector		
Alcona, Alpena, Arenac, Cheboygan, Clare, Clinton, Crawford, Gladwin, Gratiot, Huron, Ingham, Iosco, Isabella, Jackson, Lapeer, Livingston (west of Burkhardt Road), Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Sanilac, Shiawassee, Tuscola & Washtenaw (west of U.S. 23).	\$ 24.26	22.11
Bay, Genesee, Lapeer, Livingston (east of Burkhardt Road), Macomb, Midland, Oakland, Saginaw, St. Clair, The University of Michigan, Washtenaw (east of U.S. 23) & Wayne...	\$ 25.48	23.11
IRONWORKER		
Ornamental and Structural...	\$ 36.77	29.03
Reinforcing.....	\$ 32.99	30.76

IRON0055-005 07/01/2021

LENAWEE AND MONROE COUNTIES:

	Rates	Fringes
IRONWORKER		
Pre-engineered metal buildings.....	\$ 23.59	19.35
All other work.....	\$ 31.25	26.90

IRON0292-003 06/01/2020

BERRIEN AND CASS COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector).....	\$ 31.75	22.84

IRON0340-001 06/19/2017

ALLEGAN, ANTRIM, BARRY, BENZIE, BRANCH, CALHOUN, CHARLEVOIX, EATON, EMMET, GRAND TRAVERSE, HILLSDALE, IONIA, KALAMAZOO, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH, VAN BUREN AND WEXFORD COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector).....	\$ 24.43	24.67

LAB00005-006 10/01/2020

	Rates	Fringes
Laborers - hazardous waste abatement: (ALCONA, ALPENA, ANTRIM, BENZIE, CHARLEVOIX, CHEBOYGAN, CRAWFORD, EMMET, GRAND TRAVERSE, IOSCO, KALKASKA, LEELANAU, MISSAUKEE, MONTMORENCY, OSCODA, OTSEGO, PRESQUE ISLE AND WEXFORD COUNTIES - Zone 10)		
Levels A, B or C.....	\$ 17.45	12.75
class b.....	\$ 18.64	12.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;		
Also, Level D.....	\$ 16.45	12.75
class a.....	\$ 17.64	12.90

Zone 10

Laborers - hazardous waste abatement: (ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT

COUNTIES - Zone 11)

Levels A, B or C.....\$ 23.58	12.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;	
Also, Level D.....\$ 22.58	12.90

Laborers - hazardous waste
abatement: (ALLEGAN, BARRY,
BERRIEN, BRANCH, CALHOUN,
CASS, IONIA COUNTY (except
the city of Portland);
KALAMAZOO, KENT, LAKE,
MANISTEE, MASON, MECOSTA,
MONTCALM, MUSKEGON, NEWAYGO,
OCEANA, OSCEOLA, OTTAWA, ST.
JOSEPH AND VAN BUREN COUNTIES
- Zone 9)

Levels A, B or C.....\$ 21.80	12.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;	
Also, Level D.....\$ 20.80	12.90

Laborers - hazardous waste
abatement: (ARENAC, BAY,
CLARE, GLADWIN, GRATIOT,
HURON, ISABELLA, MIDLAND,
OGEMAW, ROSCOMMON, SAGINAW
AND TUSCOLA COUNTIES - Zone 8)

Levels A, B or C.....\$ 21.39	12.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;	
Also, Level D.....\$ 20.80	12.90

Laborers - hazardous waste
abatement: (CLINTON, EATON
AND INGHAM COUNTIES; IONIA
COUNTY (City of Portland);
LIVINGSTON COUNTY (west of
Oak Grove Rd., including the
City of Howell) - Zone 6)

Levels A, B or C.....\$ 25.64	12.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;	
Also, Level D.....\$ 24.64	12.90

Laborers - hazardous waste
abatement: (GENESEE, LAPEER
AND SHIAWASSEE COUNTIES -
Zone 7)

Levels A, B or C.....\$ 24.20	13.80
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;	
Also, Level D.....\$ 23.20	13.80

Laborers - hazardous waste

abatement: (HILLSDALE,
JACKSON AND LENAWEE COUNTIES

- Zone 4)

Levels A, B or C.....\$ 25.17 12.90

Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;

Also, Level D.....\$ 24.17 12.90

Laborers - hazardous waste

abatement: (LIVINGSTON COUNTY

(east of Oak Grove Rd. and
south of M-59, excluding the
city of Howell); AND

WASHTENAW COUNTY - Zone 3)

Levels A, B or C.....\$ 29.93 14.20

Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;

Also, Level D.....\$ 28.93 14.20

Laborers - hazardous waste

abatement: (MACOMB AND WAYNE

COUNTIES - Zone 1)

Levels A, B or C.....\$ 29.93 16.90

Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;

Also, Level D.....\$ 28.93 16.90

Laborers - hazardous waste

abatement: (MONROE COUNTY -

Zone 4)

Levels A, B or C.....\$ 31.75 14.90

Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;

Also, Level D.....\$ 31.75 14.90

Laborers - hazardous waste

abatement: (OAKLAND COUNTY

and the Northeast portion of
LIVINGSTON COUNTY bordered by

Oak Grove Road on the West

and M-59 on the South - Zone

2)

Level A, B, C.....\$ 29.93 16.90

Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;

Also, Level D.....\$ 28.93 16.90

Laborers - hazardous waste

abatement: (SANILAC AND ST.

CLAIR COUNTIES - Zone 5)

Levels A, B or C.....\$ 25.75 16.35

Work performed in
conjunction with site
preparation not requiring
the use of personal

protective equipment;

Also, Level D.....\$ 24.75 16.35

LAB00259-001 09/01/2021

AREA 1: MACOMB, OAKLAND AND WAYNE COUNTIES

AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONROE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW AND WEXFORD COUNTIES

	Rates	Fringes
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Laborers - tunnel, shaft and
caisson:

AREA 1

GROUP 1.....	\$ 23.62	16.95
GROUP 2.....	\$ 23.73	19.95
GROUP 3.....	\$ 23.79	16.95
GROUP 4.....	\$ 23.97	16.95
GROUP 5.....	\$ 24.22	16.95
GROUP 6.....	\$ 24.55	16.95
GROUP 7.....	\$ 17.83	16.95

AREA 2

GROUP 1.....	\$ 25.15	12.95
GROUP 2.....	\$ 25.24	12.95
GROUP 3.....	\$ 25.34	12.95
GROUP 4.....	\$ 25.50	12.95
GROUP 5.....	\$ 25.76	12.95
GROUP 6.....	\$ 26.07	12.95
GROUP 7.....	\$ 18.34	12.95

SCOPE OF WORK: Tunnel, shaft and caisson work of every type and description and all operations incidental thereto, including, but not limited to, shafts and tunnels for sewers, water, subways, transportation, diversion, sewerage, caverns, shelters, aquifers, reservoirs, missile silos and steel sheeting for underground construction.

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Tunnel, shaft and caisson laborer, dump, shanty, hog house tender, testing (on gas) and watchman

GROUP 2: Manhole, headwall, catch basin builder, bricklayer tender, mortar machine and material mixer

GROUP 3: Air tool operator (jackhammer, bush hammer and grinder), first bottom, second bottom, cage tender, car pusher, carrier, concrete, concrete form, concrete repair, cement invert laborer, cement finisher, concrete shoveler, conveyor, floor, gasoline and electric tool operator, gunite, grout operator, welder, heading dinky person, inside lock tender, pea gravel operator, pump, outside lock tender, scaffold, top signal person, switch person, track,

tugger, utility person, vibrator, winch operator, pipe jacking, wagon drill and air track operator and concrete saw operator (under 40 h.p.)

GROUP 4: Tunnel, shaft and caisson mucker, bracer, liner plate, long haul dinky driver and well point

GROUP 5: Tunnel, shaft and caisson miner, drill runner, key board operator, power knife operator, reinforced steel or mesh (e.g. wire mesh, steel mats, dowel bars, etc.)

GROUP 6: Dynamite and powder

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LAB00334-001 09/01/2021

	Rates	Fringes
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Laborers - open cut:

ZONE 1 - MACOMB, OAKLAND

AND WAYNE COUNTIES:

GROUP 1.....	\$ 23.47	16.95
GROUP 2.....	\$ 23.58	16.95
GROUP 3.....	\$ 23.63	16.95
GROUP 4.....	\$ 23.71	16.95
GROUP 5.....	\$ 23.77	16.95
GROUP 6.....	\$ 21.22	16.95
GROUP 7.....	\$ 17.84	16.95

ZONE 2 - LIVINGSTON COUNTY

(east of M-151 (Oak Grove Rd.)); MONROE AND

WASHTENAW COUNTIES:

GROUP 1.....	\$ 24.80	12.95
GROUP 2.....	\$ 24.91	12.95
GROUP 3.....	\$ 25.03	12.95
GROUP 4.....	\$ 25.10	12.95
GROUP 5.....	\$ 25.25	12.95
GROUP 6.....	\$ 22.55	12.95
GROUP 7.....	\$ 19.19	12.95

ZONE 3 - CLINTON, EATON,

GENESEE, HILLSDALE AND

INGHAM COUNTIES; IONIA

COUNTY (City of Portland);

JACKSON, LAPEER AND

LENAWEE COUNTIES;

LIVINGSTON COUNTY (west of M-151 Oak Grove Rd.);

SANILAC, ST. CLAIR AND

SHIAWASSEE COUNTIES:

GROUP 1.....	\$ 22.99	12.95
GROUP 2.....	\$ 23.13	12.95
GROUP 3.....	\$ 23.25	12.95
GROUP 4.....	\$ 23.30	12.95
GROUP 5.....	\$ 23.44	12.95
GROUP 6.....	\$ 20.74	12.95
GROUP 7.....	\$ 17.89	12.95

ZONE 4 - ALCONA, ALLEGAN,

ALPENA, ANTRIM, ARENAC,

BARRY, BAY, BENZIE,

BERRIEN, BRANCH,

CALHOUN, CASS, CHARLEVOIX,
 CHEBOYGAN, CLARE,
 CRAWFORD, EMMET,
 GLADWIN, GRAND TRAVERSE,
 GRATIOT AND HURON
 COUNTIES; IONIA COUNTY
 (EXCEPT THE CITY OF
 PORTLAND); IOSCO,
 ISABELLA, KALAMAZOO,
 KALKASKA, KENT,
 LAKE, LEELANAU, MANISTEE,
 MASON, MECOSTA, MIDLAND,
 MISSAUKEE, MONTCALM,
 MONTMORENCY, MUSKEGON,
 NEWAYGO, OCEANA, OGEMAW,
 OSCEOLA, OSCODA, OTSEGO,
 OTTAWA, PRESQUE ISLE,
 ROSCOMMON, SAGINAW, ST.
 JOSEPH, TUSCOLA, VAN BUREN
 AND WEXFORD COUNTIES:

GROUP 1.....	\$ 22.02	12.95
GROUP 2.....	\$ 22.15	12.95
GROUP 3.....	\$ 22.26	12.95
GROUP 4.....	\$ 22.33	12.95
GROUP 5.....	\$ 22.45	12.95
GROUP 6.....	\$ 19.67	12.95
GROUP 7.....	\$ 18.01	12.95

ZONE 5 - ALGER, BARAGA,
 CHIPPEWA, DELTA,
 DICKINSON, GOGEBIC,
 HOUGHTON, IRON,
 KEWEENAW, LUCE, MACKINAC,
 MARQUETTE, MENOMINEE,
 ONTONAGON AND SCHOOLCRAFT
 COUNTIES:

GROUP 1.....	\$ 22.24	12.95
GROUP 2.....	\$ 22.38	12.95
GROUP 3.....	\$ 22.51	12.95
GROUP 4.....	\$ 22.56	12.95
GROUP 5.....	\$ 22.61	12.95
GROUP 6.....	\$ 19.99	12.95
GROUP 7.....	\$ 18.10	12.95

SCOPE OF WORK:

Open cut construction work shall be construed to mean work which requires the excavation of earth including industrial, commercial and residential building site excavation and preparation, land balancing, demolition and removal of concrete and underground appurtenances, grading, paving, sewers, utilities and improvements; retention, oxidation, flocculation and irrigation facilities, and also including but not limited to underground piping, conduits, steel sheeting for underground construction, and all work incidental thereto, and general excavation. For all areas except the Upper Peninsula, open cut construction work shall also be construed to mean waterfront work, piers, docks, seawalls, breakwalls, marinas and all incidental work. Open cut construction work shall not include any structural modifications, alterations, additions and repairs to buildings, or highway work, including roads, streets, bridge construction and parking lots or steel erection work and excavation for the building itself and back filling inside of and within 5 ft. of the building and foundations, footings and piers for the building. Open cut

construction work shall not include any work covered under Tunnel, Shaft and Caisson work.

OPEN CUT LABORER CLASSIFICATIONS

GROUP 1: Construction laborer

GROUP 2: Mortar and material mixer, concrete form person, signal person, well point person, manhole, headwall and catch basin builder, headwall, seawall, breakwall and dock builder

GROUP 3: Air, gasoline and electric tool operator, vibrator operator, driller, pump person, tar kettle operator, bracer, rodder, reinforced steel or mesh person (e.g., wire mesh, steel mats, dowel bars, etc.), welder, pipe jacking and boring person, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger person and directional boring person

GROUP 4: Trench or excavating grade person

GROUP 5: Pipe layer (including crock, metal pipe, multi-plate or other conduits)

GROUP 6: Grouting man, audio-visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances

GROUP 7: Restoration laborer, seeding, sodding, planting, cutting, mulching and top soil grading; and the restoration of property such as replacing mailboxes, wood chips, planter boxes, flagstones, etc.

LAB00465-001 06/01/2021

LABORER: Highway, Bridge and Airport Construction

AREA 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

AREA 2: ALLEGAN, BARRY, BAY, BERRIEN, BRANCH, CALHOUN, CASS, CLINTON, EATON, GRATIOT, HILLSDALE, HURON, INGHAM, JACKSON, KALAMAZOO, LAPEER, LENAWEE, LIVINGSTON, MIDLAND, MUSKEGON, SAGINAW, SANILAC, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA AND VAN BUREN COUNTIES

AREA 3: ALCONA, ALPENA, ANTRIM, ARENAC, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, IONIA, IOSCO, ISABELLA, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA, MISSAUKEE, MONTCALM, MONTMORENCY, NEWAYGO, OCEANA, OGEMAW, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON AND WEXFORD COUNTIES

AREA 4: ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES

Rates

Fringes

LABORER (AREA 1)

GROUP 1.....	\$ 30.52	13.45
GROUP 2.....	\$ 30.65	13.45
GROUP 3.....	\$ 30.83	13.45
GROUP 4.....	\$ 30.91	13.45
GROUP 5.....	\$ 31.12	13.45
GROUP 6.....	\$ 31.42	13.45
LABORER (AREA 2)		
GROUP 1.....	\$ 26.92	12.90
GROUP 2.....	\$ 27.12	12.90
GROUP 3.....	\$ 27.36	12.90
GROUP 4.....	\$ 27.71	12.90
GROUP 5.....	\$ 27.58	12.90
GROUP 6.....	\$ 27.92	12.90
LABORER (AREA 3)		
GROUP 1.....	\$ 26.22	12.90
GROUP 2.....	\$ 26.43	12.90
GROUP 3.....	\$ 26.72	12.90
GROUP 4.....	\$ 27.16	12.90
GROUP 5.....	\$ 26.78	12.90
GROUP 6.....	\$ 27.21	12.90
LABORER (AREA 4)		
GROUP 1.....	\$ 26.22	12.90
GROUP 2.....	\$ 26.43	12.90
GROUP 3.....	\$ 26.72	12.90
GROUP 4.....	\$ 27.16	12.90
GROUP 5.....	\$ 26.78	12.90
GROUP 6.....	\$ 27.21	12.90

LABORER CLASSIFICATIONS

GROUP 1: Asphalt shoveler or loader; asphalt plant misc.; burlap person; yard person; dumper (wagon, truck, etc.); joint filling laborer; miscellaneous laborer; unskilled laborer; sprinkler laborer; form setting laborer; form stripper; pavement reinforcing; handling and placing (e.g., wire mesh, steel mats, dowel bars); mason's tender or bricklayer's tender on manholes; manhole builder; headwalls, etc.; waterproofing, (other than buildings) seal coating and slurry mix, shoring, underpinning; pressure grouting; bridge pin and hanger removal; material recycling laborer; horizontal paver laborer (brick, concrete, clay, stone and asphalt); ground stabilization and modification laborer; grouting; waterblasting; top person; railroad track and trestle laborer; carpenters' tender; guard rail builders' tender; earth retention barrier and wall and M.S.E. wall installer's tender; highway and median installer's tender (including sound, retaining, and crash barriers); fence erector's tender; asphalt raker tender; sign installer; remote control operated equipment.

GROUP 2: Mixer operator (less than 5 sacks); air or electric tool operator (jackhammer, etc.); spreader; boxperson (asphalt, stone, gravel); concrete paddler; power chain saw operator; paving batch truck dumper; tunnel mucker (highway work only); concrete saw (under 40 h.p.) and dry pack machine; roto-mill grounds person.

GROUP 3: Tunnel miner (highway work only); finishers tenders; guard rail builders; highway and median barrier installer; earth retention barrier and wall and M.S.E. wall installer's (including sound, retaining and crash barriers); fence erector; bottom person; powder person; wagon drill and air track operator; diamond and core drills; grade checker; certified welders; curb and side rail setter's tender.

GROUP 4: Asphalt raker

GROUP 5: Pipe layers, oxy-gun

GROUP 6: Line-form setter for curb or pavement; asphalt screed checker/screw man on asphalt paving machines.

* LAB01076-005 04/01/2022

MICHIGAN STATEWIDE

	Rates	Fringes
LABORER (DISTRIBUTION WORK)		
Zone 1.....	\$ 25.17	13.32
Zone 2.....	\$ 23.47	13.40
Zone 3.....	\$ 21.60	13.45
Zone 4.....	\$ 20.97	13.43
Zone 5.....	\$ 21.00	13.40

DISTRIBUTION WORK - The construction, installation, treating and reconditioning of distribution pipelines transporting coal, oil, gas or other similar materials, vapors or liquids, including pipelines within private property boundaries, up to and including the meter settings on residential, commercial, industrial, institutional, private and public structures. All work covering pumping stations and tank farms not covered by the Building Trades Agreement. Other distribution lines with the exception of sewer, water and cable television are included.

Underground Duct Layer Pay: \$.40 per hour above the base pay rate.

Zone 1 - Macomb, Oakland and Wayne

Zone 2 - Monroe and Washtenaw

Zone 3 - Bay, Genesee, Lapeer, Midland, Saginaw, Sanilac, Shiawassee and St. Clair

Zone 4 - Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft

Zone 5 - Remaining Counties in Michigan

PAIN0022-002 07/01/2008

HILLSDALE, JACKSON AND LENAWE COUNTY; LIVINGSTON COUNTY (east of the eastern city limits of Howell, not including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES:

	Rates	Fringes
PAINTER.....	\$ 25.06	14.75

FOOTNOTES: For all spray work and journeyman rigging for spray work, also blowing off, \$0.80 per hour additional (applies only to workers doing rigging for spray work on off the floor work. Does not include setting up or moving rigging on floor surfaces, nor does it apply to workers engaged in covering up or tending spray equipment. For all

sandblasting and spray work performed on highway bridges, overpasses, tanks or steel, \$0.80 per hour additional. For all brushing, cleaning and other preparatory work (other than spraying or steeplejack work) at scaffold heights of fifty (50) feet from the ground or higher, \$0.50 per hour additional. For all preparatorial work and painting performed on open steel under forty (40) feet when no scaffolding is involved, \$0.50 per hour additional. For all swing stage work-window jacks and window belts-exterior and interior, \$0.50 per hour additional. For all spray work and sandblaster work to a scaffold height of forty (40) feet above the floor level, \$0.80 per hour additional. For all preparatorial work and painting on all highway bridges or overpasses up to forty (40) feet in height, \$0.50 per hour additional. For all steeplejack work performed where the elevation is forty (40) feet or more, \$1.25 per hour additional.

PAIN0312-001 06/01/2018

EXCLUDES: ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); INCLUDES: Barry, Berrien, Branch, Calhoun, Cass, Hillsdale, Kalamazoo, St. Joseph, Van Buren

	Rates	Fringes
PAINTER		
Brush and roller.....	\$ 23.74	13.35
Spray, Sandblast, Sign		
Painting.....	\$ 24.94	13.35

PAIN0845-003 05/10/2018

CLINTON COUNTY; EATON COUNTY (does not include the townships of Bellevue and Olivet); INGHAM COUNTY; IONIA COUNTY (east of Hwy. M 66); LIVINGSTON COUNTY (west of the eastern city limits of Howell, including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); AND SHIAWASSEE COUNTY (Townships of Bennington, Laingsbury and Perry):

	Rates	Fringes
PAINTER.....	\$ 25.49	13.74

PAIN0845-015 05/10/2018

MUSKEGON COUNTY; NEWAYGO COUNTY (except the Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OCEANA COUNTY; OTTAWA COUNTY (except the townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER.....	\$ 25.49	13.74

PAIN0845-018 05/10/2018

ALLEGAN COUNTY (Townships of Dorr, Fillmore, Heath, Hopkins, Laketown, Leighton, Manlius, Monterey, Overisel, Salem, Saugatuck and Wayland); IONIA COUNTY (west of Hwy. M-66); KENT, MECOSTA AND MONTCALM COUNTIES; NEWAYGO COUNTY (Townships of Barton, Big Prairie, Brooks, Croton, Ensley, Everett, Goodwell, Grant, Home, Monroe, Norwich and Wilcox); OSCEOLA COUNTY (south of Hwy. #10); OTTAWA COUNTY (Townships of Allendale, Blendone, Chester, Georgetown, Holland, Jamestown, Olive, Park, Polkton, Port Sheldon, Tallmadge, Wright and Zeeland):

	Rates	Fringes
PAINTER.....	\$ 25.49	13.74

FOOTNOTES: Lead abatement work: \$1.00 per hour additional.

PAIN1011-003 06/02/2021

ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES:

	Rates	Fringes
PAINTER.....	\$ 26.71	14.38

FOOTNOTES: High pay (bridges, overpasses, watertower): 30 to 80 ft.: \$.65 per hour additional. 80 ft. and over: \$1.30 per hour additional.

PAIN1474-002 06/01/2010

HURON COUNTY; LAPEER COUNTY (east of Hwy. M-53); ST. CLAIR, SANILAC AND TUSCOLA COUNTIES:

	Rates	Fringes
PAINTER.....	\$ 23.79	12.02

FOOTNOTES: Lead abatement work: \$1.00 per hour additional. Work with any hazardous material: \$1.00 per hour additional. Sandblasting, steam cleaning and acid cleaning: \$1.00 per hour additional. Ladder work at or above 40 ft., scaffold work at or above 40 ft., swing stage, boatswain chair, window jacks and all work performed over a falling height of 40 ft.: \$1.00 per hour additional. Spray gun work, pick pullers and those handling needles, blowing off by air pressure, and any person rigging (setting up and moving off the ground): \$1.00 per hour additional. Steeplejack, tanks, gas holders, stacks, flag poles, radio towers and beacons, power line towers, bridges, etc.: \$1.00 per hour additional, paid from the ground up.

PAIN1803-003 06/01/2019

ALCONA, ALPENA, ANTRIM, ARENAC, BAY, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT, IOSCO, ISABELLA, KALKASKA, LAKE, LEELANAU, MANISTEE, MASON, MIDLAND, MISSAUKEE, MONTMORENCY AND OGEMAW COUNTIES;

OSCEOLA COUNTY (north of Hwy. #10); OSCODA, OTSEGO, PRESQUE
ISLE, ROSCOMMON, SAGINAW AND WEXFORD COUNTIES:

	Rates	Fringes
PAINTER		
Work performed on water, bridges over water or moving traffic, radio and powerline towers, elevated tanks, steeples, smoke stacks over 40 ft. of falling heights, recovery of lead-based paints and any work associated with industrial plants, except maintenance of industrial plants.....	\$ 25.39	14.68
All other work, including maintenance of industrial plant.....	\$ 25.39	14.68

FOOTNOTES: Spray painting, sandblasting, blowdown associated
with spraying and blasting, water blasting and work
involving a swing stage, boatswain chair or spider: \$1.00
per hour additional. All work performed inside tanks,
vessels, tank trailers, railroad cars, sewers, smoke
stacks, boilers or other spaces having limited egress not
including buildings, opentop tanks, pits, etc.: \$1.25 per
hour additional.

PLAS0514-001 06/01/2018

ZONE 1: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, SAGINAW,
WASHTENAW AND WAYNE COUNTIES

ZONE 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA,
BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX,
CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA,
DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE,
GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO,
IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW,
LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE,
MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE,
MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW,
ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE,
ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST.
JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1.....	\$ 31.47	13.81
ZONE 2.....	\$ 29.97	13.81

PLUM0190-003 05/01/2015

ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY,
BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX,
CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA,
DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND
TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA,

IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE, MACKINAC, MACOMB, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MONROE, MUSKEGON, NEWAYGO, OAKLAND, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST. JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN, WASHTENAW, WAYNE AND WEXFORD COUNTIES

	Rates	Fringes
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Plumber/Pipefitter - gas
distribution pipeline:

Welding in conjunction with gas distribution pipeline work.....	\$ 33.03	20.19
All other work:.....	\$ 24.19	12.28

TEAM0007-004 06/01/2020

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, SANILAC, SCHOOLCRAFT, SHIAWASSEE, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
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TRUCK DRIVER

AREA 1

Euclids, double bottoms and lowboys.....	\$ 28.05	.50 + a+b
Trucks under 8 cu. yds.....	\$ 27.80	.50 + a+b
Trucks, 8 cu. yds. and over.....	\$ 27.90	.50 + a+b

AREA 2

Euclids, double bottomms and lowboys.....	\$ 24.895	.50 + a+b
Euclids, double bottoms and lowboys.....	\$ 28.15	.50 + a+b
Trucks under 8 cu. yds.....	\$ 27.90	.50 + a+b
Trucks, 8 cu. yds. and over.....	\$ 28.00	.50 + a+b

Footnote:

a. \$470.70 per week
b. \$68.70 daily

TEAM0247-004 04/01/2013

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA,

DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, SAGINAW, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

AREA 2: GENESEE, LIVINGSTON, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
Sign Installer		
AREA 1		
GROUP 1.....	\$ 21.78	11.83
GROUP 2.....	\$ 25.27	11.8375
AREA 2		
GROUP 1.....	\$ 22.03	11.83
GROUP 2.....	\$ 25.02	11.8375

FOOTNOTE:

a. \$132.70 per week, plus \$17.80 per day.

SIGN INSTALLER CLASSIFICATIONS:

GROUP 1: performs all necessary labor and uses all tools required to construct and set concrete forms required in the installation of highway and street signs

GROUP 2: performs all miscellaneous labor, uses all hand and power tools, and operates all other equipment, mobile or otherwise, required for the installation of highway and street signs

TEAM0247-010 04/01/2018

AREA 1: LAPEER AND SHIAWASSEE COUNTIES

AREA 2: GENESEE, MACOMB, MONROE, OAKLAND, ST. CLAIR, WASHTENAW AND WAYNE COUNTIES

	Rates	Fringes
TRUCK DRIVER (Underground construction)		
AREA 1		
GROUP 1.....	\$ 23.82	19.04
GROUP 2.....	\$ 23.91	19.04
GROUP 3.....	\$ 24.12	19.04
AREA 2		
GROUP 1.....	\$ 24.12	19.04
GROUP 2.....	\$ 24.26	19.04
GROUP 3.....	\$ 24.45	19.04

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

SCOPE OF WORK: Excavation, site preparation, land balancing, grading, sewers, utilities and improvements; also including but not limited to, tunnels, underground piping, retention, oxidation, flocculation facilities, conduits, general excavation and steel sheeting for underground construction. Underground construction work shall not include any structural modifications, alterations, additions and repairs to buildings or highway work, including roads, streets, bridge construction and parking lots or steel erection.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Truck driver on all trucks (EXCEPT dump trucks of 8 cubic yards capacity or over, pole trailers, semis, low boys, Euclid, double bottom and fuel trucks)

GROUP 2: Truck driver on dump trucks of 8 cubic yards capacity or over, pole trailers, semis and fuel trucks

GROUP 3: Truck driver on low boy, Euclid and double bottom

* SUMI2002-001 05/01/2002

	Rates	Fringes
Flag Person.....	\$ 10.10 **	0.00
LINE PROTECTOR (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE)....	\$ 22.89	13.45
LINE PROTECTOR (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE).....	\$ 20.19	13.45
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1.....	\$ 30.52	13.45
Pavement Marking Machine (ZONE 1: GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2.....	\$ 27.47	13.45
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE COUNTIES) Group 1.....	\$ 26.92	13.45
Pavement Marking Machine (ZONE 2: STATEWIDE (EXCLUDING GENESEE, MACOMB, MONROE, OAKLAND, WASHTENAW AND WAYNE) Group 2.....	\$ 24.23	13.45

WORK CLASSIFICATIONS:

PAVEMENT MARKER GROUP 1: Drives or operates a truck mounted striper, grinder, blaster, groover, or thermoplastic melter for the placement or removal of temporary or permanent pavement markings or markers.

PAVEMENT MARKER GROUP 2: Performs all functions involved for the placement or removal of temporary or permanent pavement markings or markers not covered by the classification of Pavement Marker Group 1 or Line Protector.

LINE PROTECTOR: Performs all operations for the protection or removal of temporary or permanent pavement markings or markers in a moving convoy operation not performed by the classification of Pavement Marker Group 1. A moving convoy operation is comprised of only Pavement Markers Group 1 and Line Protectors.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$15.00) or 13658 (\$11.25). Please see the Note at the top of the wage determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can

be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

29 CFR Part 5 – Labor Standards Provisions for Federally Assisted Projects

§ 5.5 Contract provisions and related matters.

(a) The Agency head shall cause or require the contracting officer to insert in full in any contract in excess of \$2,000 which is entered into for the actual construction, alteration and/or repair, including painting and decorating, of a public building or public work, or building or work financed in whole or in part from Federal funds or in accordance with guarantees of a Federal agency or financed from funds obtained by pledge of any contract of a Federal agency to make a loan, grant or annual contribution (except where a different meaning is expressly indicated), and which is subject to the labor standards provisions of any of the acts listed in Sec. 5.1, the following clauses (or any modifications thereof to meet the particular needs of the agency, *Provided*, That such modifications are first approved by the Department of Labor):

(1) *Minimum wages.* (i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in Sec. 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii)(A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(2) *Withholding.* The (write in name of Federal Agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of

1949 in the construction or development of the project), all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) *Payrolls and basic records.* (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency). The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit them to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency), the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under Sec. 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under Sec. 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the (write the name of the agency) or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) *Apprentices and trainees--(i) Apprentices.* Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its

program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) *Trainees.* Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) *Equal employment opportunity.* The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

(5) *Compliance with Copeland Act requirements.* The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(6) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the (write in the name of the Federal agency) may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) *Contract termination: debarment.* A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) *Compliance with Davis-Bacon and Related Act requirements.* All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(9) *Disputes concerning labor standards.* Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) *Certification of eligibility.* (i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

(b) *Contract Work Hours and Safety Standards Act.* The Agency Head shall cause or require the contracting officer to insert the following clauses set forth in paragraphs (b)(1), (2), (3), and (4) of this section in full in any contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by Sec. 5.5(a) or 4.6 of part 4 of this title. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

(1) *Overtime requirements.* No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) *Violation; liability for unpaid wages; liquidated damages.* In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible there for shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

(3) *Withholding for unpaid wages and liquidated damages.* The (write in the name of the Federal agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

(c) In addition to the clauses contained in paragraph (b), in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in Sec. 5.1, the Agency Head shall cause or require the contracting officer to insert a clause requiring that the contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the Agency Head shall cause or require the contracting officer to insert in any such contract a clause providing that the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the (write the name of agency) and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

Debarment Certification

The prime contractor must provide a completed **Certification Regarding Debarment, Suspension, and Other Responsibility Matters Form** with its bid or proposal package to the owner (Attachment 2).

Attachment 2

***Certification Regarding
Debarment, Suspension, and Other Responsibility Matters***

**Certification Regarding
Debarment, Suspension, and Other Responsibility Matters**

The prospective participant certifies, to the best of its knowledge and belief, that it and its principals:

- (1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in transactions under federal nonprocurement programs by any federal department or agency;
- (2) Have not, within the three year period preceding the proposal, had one or more public transactions (federal, state, or local) terminated for cause or default; and
- (3) Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) and have not, within the three year period preceding the proposal, been convicted of or had a civil judgment rendered against it:
 - (a) For the commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction (federal, state, or local) or a procurement contract under such a public transaction;
 - (b) For the violation of federal or state antitrust statutes, including those proscribing price fixing between competitors, the allocation of customers between competitors, or bid rigging; or
 - (c) For the commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

I understand that a false statement on this certification may be grounds for the rejection of this proposal or the termination of the award. In addition, under 18 U.S.C. §1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to five years, or both.

Name and Title of Authorized Representative

Name of Participant Agency or Firm

Signature of Authorized Representative

Date

☐ I am unable to certify to the above statement. Attached is my explanation.

ATTACHMENT 2-B
WORK SUMMARY TABLES
PIPE REHAB

5/3/2022 - Addendum 1

Pipe Segment Rehabilitation Summary Table

City of Marysville - CWSRF Sanitary Sewer Improvements Project



Detailed Rehab Items	*Notes
R1. Cut Attached Encrustation, Grease, Etc.*	* Indicates X for rehab item for entire sewer and # for 1 or more instances of rehab
R2. Cut Protruding Tap/Lateral or Sewer**	
R3. Heavy Cleaning (Pipe Diameter 6" to 12")	** Indicates # of instances of rehab items only.
R4. Heavy Cleaning (Pipe Diameter 15" to 48")	
R5. Chemical Joint Grouting (Pipe Diameter 6" to 12")**	
R6. Chemical Joint Grouting (Pipe Diameter 15" to 48")**	
R7. CIPP Sewer Lining/Patches (Pipe Diameter 6" to 12")*	
R8. CIPP Sewer Lining/Patches (Pipe Diameter 15" to 48")*	
R9. Replace Sewer (Pipe Diameter 6" to 12")	
R10. Replace Sewer (Pipe Diameter 15" to 48")	

Pipe Asset ID	Work Location Map Sheet Number	Upstream Manhole Asset ID	Downstream Manhole Asset ID	Detailed Rehab Items										Pipe Length (Feet)	Pipe Diameter (Inches)	Upstream Rim to Invert Depth (feet)	Downstream Rim to Invert Depth (feet)	Slope	Pipe Material
				R1	R2	R3	R4	R5	R6	R7	R8	R9	R10						
5660	1	3006	3002											164	15	29.50	24.80	0.15%	Reinforced Concrete Pipe
5967	1	3001	3149	X		X		14	1	X				220	12	15.00	10.00	0.64%	Vitrified Clay Pipe
6003	1	3038	3175	1				2		1				269	12	10.10	12.20	2.34%	Vitrified Clay Pipe
6004	1	3096	3047							1				222	10	9.62	10.60	0.56%	Truss Pipe
6014	1	3060	3001	X		X		5		X				325	12	15.47	14.90	0.50%	Vitrified Clay Pipe
6190	1	3186	3178	2				2		1				455	12	19.60	12.50	1.47%	Reinforced Concrete Pipe
5957	2	3094	3034	X				8		X				309	10	8.10	13.60	0.73%	Vitrified Clay Pipe
5958	2	3028	3094					2		1				400	10	7.00	8.00	0.28%	Vitrified Clay Pipe
5714	3	1291	1253						1		1			469	18	21.20	19.00	0.15%	Reinforced Concrete Pipe
6047	5	3141	3123						1					402	18	17.70	19.00	0.12%	Reinforced Concrete Pipe
6059	5	3086	3083	X				12		X				325	10	13.80	14.80	0.44%	Vitrified Clay Pipe
6130	5	3109	3107	1					1		1			232	15	16.10	11.70	0.15%	Reinforced Concrete Pipe
6134	5	3036	3033					2		1				142	10	14.70	15.90	0.31%	Vitrified Clay Pipe
5448	6	1296	1259		2				5		3			453	18	26.70	28.30	0.13%	Reinforced Concrete Pipe
5825	6	1122	1085	1					2		1			292	18	20.10	20.90	0.30%	Reinforced Concrete Pipe
5875	6	1041	1334	1					1		1			133	18	13.92	17.80	1.59%	Reinforced Concrete Pipe
6038	7	1164	1127					1		1				156	8	16.10	17.00	0.40%	Truss Pipe
5209	9	1039	1331						1		1			320	15	16.15	17.10	0.42%	Vitrified Clay Pipe
5681	9	1038	1025							1				162	10	8.30	8.90	1.47%	Reinforced Concrete Pipe
5683	9	1028	1014			X		1		2				208	10	11.80	12.35	0.53%	Reinforced Concrete Pipe
5685	9	1004	1338		2	X		2		X				407	10	15.10	15.45	0.40%	Concrete Pipe (non-reinforced)
5686	9	1338	1340	1		X		1						173	10	15.50	16.55	0.41%	Concrete Pipe (non-reinforced)
5690	9	1087	1331								X		10'	414	21	14.10	15.30	0.69%	Reinforced Concrete Pipe
5907	9	1340	1039					1						221	10	16.60	16.05	0.34%	Concrete Pipe (non-reinforced)
5941	9	1330	1318							X				158	12	8.65	10.51	0.50%	Concrete Pipe (non-reinforced)
5942	9	1318	1293		1	X		5		X				366	12	10.58	12.00	0.22%	Concrete Pipe (non-reinforced)
5587	10	1152	1149		1			1		1				399	10	13.15	14.15	0.48%	Vitrified Clay Pipe
5600	10	1149	1147		3			1		1				400	10	14.25	14.80	0.41%	Vitrified Clay Pipe
5601	10	1147	1145	3	2			3						351	10	14.90	14.90	0.45%	Vitrified Clay Pipe
5606	10	1223	1221	2	1			2						351	10	11.60	15.40	0.44%	Vitrified Clay Pipe
5607	10	1221	1218		1			1		1				373	10	15.60	16.90	0.64%	Vitrified Clay Pipe
5608	10	1218	1216		2			1		1				412	10	16.90	17.60	0.49%	Vitrified Clay Pipe
5616	10	1280	1278	1				2		1				350	8	7.55	10.40	0.50%	Vitrified Clay Pipe
5621	10	1284	1281		1	X				X				296	10	9.80	10.45	0.44%	Vitrified Clay Pipe
5625	10	1311	1310							X				158	10	13.15	13.74	0.51%	Concrete Pipe (non-reinforced)
5626	10	1314	1313			X				1				339	10	8.65	11.00	0.58%	Concrete Pipe (non-reinforced)
5627	10	1313	1311							1				392	10	11.05	13.10	0.28%	Concrete Pipe (non-reinforced)
5764	10	1235	1234	X		X		1		X				94	10	12.45	11.30	0.28%	Reinforced Concrete Pipe
5765	10	1234	1236	X				6		X				109	10	11.35	13.10	0.94%	Reinforced Concrete Pipe
5780	10	1181	1179		1					1				399	10	13.10	12.90	0.28%	Vitrified Clay Pipe
5789	10	1239	1237									X		95	10	10.15	10.40	0.28%	Reinforced Concrete Pipe
5791	10	1177	1175					2						389	10	14.10	13.80	0.45%	Vitrified Clay Pipe
5797	10	1154	1152			X				1				403	10	10.90	13.00	0.54%	Vitrified Clay Pipe
5314	11	1037	1043						1		1			598	18	22.90	19.50	0.17%	Reinforced Concrete Pipe
5445	11	1166	1129						3		1			581	18	27.70	25.00	0.12%	Reinforced Concrete Pipe
5636	11	1339	1328					1						398	8	8.50	10.20	0.77%	PVC Pipe
5639	11	1142	1119	1				1		1				339	10	11.15	12.00	0.49%	Vitrified Clay Pipe
5640	11	1119	1117							1				403	10	14.10	12.10	0.28%	Vitrified Clay Pipe
5642	11	1114	1214	X				6		1				377	10	14.00	14.50	0.58%	PVC Pipe
6150	11	1099	1130	1				7		1				400	8	14.11	18.70	0.81%	Reinforced Concrete Pipe
6052	12	3182	3172	2					2		1			376	18	14.00	13.40	0.19%	Reinforced Concrete Pipe
8173	13	2693	0					1		1				24	24	16.07	Unknown	Unknown	Truss Pipe
5207	15	1267	1297	2					2		1			262	18	22.20	21.55	0.30%	Vitrified Clay Pipe

-Grey shaded cell indicates minimum pipe slope used

Pipe Segment Rehabilitation Summary Table

City of Marysville - CWSRF Sanitary Sewer Improvements Project



Detailed Rehab Items	*Notes
R1. Cut Attached Encrustation, Grease, Etc.*	* Indicates X for rehab item for entire sewer and # for 1 or more instances of rehab
R2. Cut Protruding Tap/Lateral or Sewer**	
R3. Heavy Cleaning (Pipe Diameter 6" to 12")	** Indicates # of instances of rehab items only.
R4. Heavy Cleaning (Pipe Diameter 15" to 48")	
R5. Chemical Joint Grouting (Pipe Diameter 6" to 12")**	
R6. Chemical Joint Grouting (Pipe Diameter 15" to 48")**	
R7. CIPP Sewer Lining/Patches (Pipe Diameter 6" to 12")*	
R8. CIPP Sewer Lining/Patches (Pipe Diameter 15" to 48")*	
R9. Replace Sewer (Pipe Diameter 6" to 12")	
R10. Replace Sewer (Pipe Diameter 15" to 48")	

Pipe Asset ID	Work Location Map Sheet Number	Upstream Manhole Asset ID	Downstream Manhole Asset ID	Detailed Rehab Items										Pipe Length (Feet)	Pipe Diameter (Inches)	Upstream Rim to Invert Depth (feet)	Downstream Rim to Invert Depth (feet)	Slope	Pipe Material
				R1	R2	R3	R4	R5	R6	R7	R8	R9	R10						
5313	15	1130	1093	1					1		1			152	18	19.40	19.65	0.33%	Vitrified Clay Pipe
5319	15	1260	1206										145'	310	18	19.25	19.15	0.20%	Vitrified Clay Pipe
5424	15	1301	1264		1			4		1				164	10	9.80	10.90	0.28%	Vitrified Clay Pipe
5505	15	1060	1053	X					9		X			300	18	16.80	16.33	0.22%	Vitrified Clay Pipe
5521	15	1109	1107	X				3		X				300	10	12.05	14.35	0.28%	Vitrified Clay Pipe
5523	15	1103	1297	1		X		5		4				426	10	17.10	20.40	0.44%	Vitrified Clay Pipe
5526	15	1074	1065							1				159	10	12.10	15.00	0.47%	Vitrified Clay Pipe
5529	15	1052	1042	1				1		1				227	10	16.60	16.70	0.31%	Vitrified Clay Pipe
5594	15	1168	1094							1				435	8	16.08	18.00	0.40%	PVC Pipe
5800	15	2001	2637					3						362	15	8.75	10.20	0.38%	Reinforced Concrete Pipe
5807	15	1110	1109			X		3						297	10	10.20	12.00	0.51%	Vitrified Clay Pipe
5182	16	1275	1251			X		8		X				274	12	11.10	9.25	0.28%	Vitrified Clay Pipe
5243	16	2230	2603						2					177	24	12.10	12.50	0.31%	Reinforced Concrete Pipe
5244	16	2677	2230						1					131	24	12.40	12.00	0.49%	Reinforced Concrete Pipe
5378	16	1016	1005			X		1		2				599	8	8.60	11.65	0.68%	Vitrified Clay Pipe
5718	16	1148	1146					4		2				396	10	18.55	19.30	0.41%	Vitrified Clay Pipe
5753	16	1157	1321					1		2				391	10	17.40	19.90	0.55%	Vitrified Clay Pipe
5754	16	1155	1151							1				245	8	5.00	14.20	2.72%	Vitrified Clay Pipe
5755	16	1151	1153		1					1				151	10	14.40	13.00	0.28%	Vitrified Clay Pipe
5785	16	1202	1163						3		1			397	15	8.50	11.65	0.29%	Vitrified Clay Pipe
5843	16	1344	1224			X		2		1				228	8	6.40	4.35	0.40%	PVC Pipe
5846	16	1283	1222		1	X		1		1				305	8	8.05	5.95	0.40%	Vitrified Clay Pipe
5849	16	1191	1020	4	2			4		X				395	10	16.55	18.75	0.43%	Vitrified Clay Pipe
5850	16	1188	1186							1				301	8	7.90	10.25	0.40%	Vitrified Clay Pipe
5851	16	1186	1184	X	1			2		X				253	10	10.45	11.30	0.58%	Vitrified Clay Pipe
5856	16	1146	1335	1						1				406	10	19.35	21.75	0.51%	Vitrified Clay Pipe
5858	16	1143	1120	X				3		X				299	10	9.65	12.65	0.46%	Vitrified Clay Pipe
5905	16	1341	1331			X				1				389	8	14.75	15.90	0.46%	Vitrified Clay Pipe
6252	16	1005	1341					1		1				396	8	11.70	14.70	0.58%	Vitrified Clay Pipe
8040	16	0	1188					1	1	Unknown				284	8	Unknown	7.85	Unknown	Vitrified Clay Pipe
5183	17	1056	1048					1						404	10	13.75	16.00	Unknown	Concrete Pipe (non-reinforced)
5371	17	1048	1039					1						398	10	16.10	13.10	Unknown	Concrete Pipe (non-reinforced)
5373	17	1070	1062							X				216	10	11.60	13.20	0.40%	Concrete Pipe (non-reinforced)
5374	17	1075	1070			X		6						186	10	11.70	11.55	0.66%	Concrete Pipe (non-reinforced)
5376	17	1100	1079			X		4		X				190	8	7.65	10.20	0.46%	Vitrified Clay Pipe
5809	17	2262	2258					2		1				229	8	12.80	12.75	0.40%	Truss Pipe
5062	18	2491	2264			X				1				286	8	5.00	8.00	0.47%	Vitrified Clay Pipe
5067	18	2446	2019					1						101	12	14.00	14.10	0.22%	Truss Pipe
5343	18	2440	2656					1						156	8	11.20	14.10	1.42%	Truss Pipe
6237	18	2743	2180									X		381	8	9.80	9.85	0.58%	Truss Pipe
5160	19	2363	2354		2				3		X			380	18	9.20	11.35	0.35%	Reinforced Concrete Pipe
5462	19	2583	2363					2		2				369	12	8.10	9.00	0.46%	Reinforced Concrete Pipe
5156	20	2585	2584		1			1						230	10	8.60	10.95	0.86%	Reinforced Concrete Pipe
5226	20	2117	2107					3		1				200	8	10.75	10.65	0.71%	Vitrified Clay Pipe
5233	20	2584	2592							1				304	12	11.00	8.10	0.69%	Reinforced Concrete Pipe
5728	20	2036	2022	1				2		1				297	12	Unknown	11.73	Unknown	Reinforced Concrete Pipe
5861	20	2600	2377					1		1				174	8	3.90	5.00	0.40%	Truss Pipe
5656	21	2226	2220									10'		47	8	7.62	6.01	0.40%	Truss Pipe
6096	21	2113	2102	2				1						253	8	8.80	9.40	0.53%	Vitrified Clay Pipe
6097	21	2152	2091							1				198	8	7.30	10.30	1.25%	PVC Pipe
6100	21	2067	2159	1				1		2				113	8	11.75	10.60	0.64%	Vitrified Clay Pipe
6101	21	2159	2042					2		1				172	8	10.70	9.75	0.66%	Truss Pipe
6113	21	2175	2481									X		261	8	Unknown	11.98	Unknown	Vitrified Clay Pipe

-Grey shaded cell indicates minimum pipe slope used

Pipe Segment Rehabilitation Summary Table

City of Marysville - CWSRF Sanitary Sewer Improvements Project



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R6. Chemical Joint Grouting (Pipe Diameter 15" to 48")**	
R7. CIPP Sewer Lining/Patches (Pipe Diameter 6" to 12")*	
R8. CIPP Sewer Lining/Patches (Pipe Diameter 15" to 48")*	
R9. Replace Sewer (Pipe Diameter 6" to 12")	
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Pipe Asset ID	Work Location Map Sheet Number	Upstream Manhole Asset ID	Downstream Manhole Asset ID	Detailed Rehab Items										Pipe Length (Feet)	Pipe Diameter (Inches)	Upstream Rim to Invert Depth (feet)	Downstream Rim to Invert Depth (feet)	Slope	Pipe Material
				R1	R2	R3	R4	R5	R6	R7	R8	R9	R10						
6114	21	2481	2168							X				23	8	12.00	12.58	0.65%	Vitrified Clay Pipe
6115	21	2168	2747							X				285	8	12.70	12.23	0.60%	Vitrified Clay Pipe
6180	21	2310	2302	5					6		2			153	15	9.60	9.80	1.39%	Reinforced Concrete Pipe
6215	21	2129	2481	1				1		1				333	8	11.70	Unknown	Unknown	Truss Pipe
6285	21	2712	2175									X		203	8	9.85	Unknown	Unknown	Vitrified Clay Pipe
8001	21	2750	2749		1	X		2		X				47	12	Unknown	Unknown	Unknown	Truss Pipe
5159	22	2546	2545		2			1		1				244	10	8.62	9.29	0.36%	Reinforced Concrete Pipe
5170	22	2545	2185	1	1			10		X				420	12	9.30	10.13	Unknown	Reinforced Concrete Pipe
5171	22	2622	2392		1			2		2				379	10	7.61	12.03	0.60%	Reinforced Concrete Pipe
5286	22	2394	2393			X		3		5				447	10	Unknown	7.74	Unknown	Vitrified Clay Pipe
5293	22	2711	2704						1		1			461	24	22.45	20.00	0.08%	Truss Pipe
5300	22	2543	2542			X		6		X				259	10	9.66	4.43	0.28%	Vitrified Clay Pipe
5577	22	2625	2624					2		1				302	10	8.76	8.68	Unknown	Truss Pipe
5680	22	2635	2150					1						280	8	8.00	8.70	0.40%	Truss Pipe
5762	22	2601	2395					1						377	10	20.80	21.80	0.28%	Truss Pipe
5884	22	2468	2467		1			8		X				333	12	9.64	11.00	0.51%	Reinforced Concrete Pipe
6116	22	2185	2176							X				149	18	10.29	10.38	Unknown	Reinforced Concrete Pipe
6121	22	2542	2467	2	1					X				142	10	4.46	Unknown	Unknown	Vitrified Clay Pipe
6308	22	2751	0		3	X		1		1				216	10	7.75	Unknown	Unknown	Truss Pipe
5397	23	2669	2644					4						410	18	15.60	17.90	0.22%	Reinforced Concrete Pipe
5398	23	2644	2311	X			X		12		X			399	18	18.05	18.20	0.12%	Reinforced Concrete Pipe
5407	23	2536	2519					1		X				226	12	12.00	12.49	0.40%	Reinforced Concrete Pipe
5479	23	2414	2157	1				1		1				74	8	12.30	13.10	Unknown	Truss Pipe
5481	23	2276	2434							1				180	12	8.42	9.00	0.80%	Vitrified Clay Pipe
5485	23	2328	2319										10'	292	15	11.95	Unknown	Unknown	Steel Pipe
5934	23	2508	2504						11		X			328	18	11.75	13.62	0.42%	Reinforced Concrete Pipe
5157	24	2618	2620	1				1		1				103	8	7.38	6.80	Unknown	Vitrified Clay Pipe
5251	24	2513	2507							X		10'		384	8	4.90	7.76	Unknown	Truss Pipe
5659	24	2500	2619					1		1				297	8	6.43	6.69	0.44%	Vitrified Clay Pipe
5883	24	2540	2468		2	X		14		X				333	10	8.28	9.63	0.43%	Reinforced Concrete Pipe
5432	25	2560	2687								X			351	21	12.30	12.15	0.23%	Reinforced Concrete Pipe
5434	25	2573	2560						2		1			395	18	11.72	11.27	0.12%	Reinforced Concrete Pipe
5534	25	2562	2661					1		2				400	12	7.64	8.68	0.22%	Reinforced Concrete Pipe
5536	25	2689	2562					1		1				352	10	6.50	7.59	0.40%	Reinforced Concrete Pipe
5537	25	2689	2245		3			1		1				160	10	6.49	11.18	3.02%	Concrete Pipe (non-reinforced)
5538	25	2245	2437					3		1				195	10	7.19	8.71	0.49%	Vitrified Clay Pipe
5539	25	2437	2196	1				4		5				318	10	8.74	10.59	0.46%	Vitrified Clay Pipe
5842	25	2181	2289					1		1				78	8	11.71	11.31	0.40%	Vitrified Clay Pipe
5133	26	2233	2605					1		1				122	8	11.95	11.48	0.40%	Truss Pipe
5019	28	2034	2020	2				8		X				247	10	8.00	9.15	0.28%	Vitrified Clay Pipe
5027	28	2232	2604	2				2		4				293	12	11.54	12.34	0.28%	Vitrified Clay Pipe
5035	29	2472	2389									X		155	10	Unknown	10.80	Unknown	Vitrified Clay Pipe
5074	29	2120	2109	1	1	X		2		X				324	10	9.66	10.05	0.32%	Vitrified Clay Pipe
5075	29	2109	2098			X		1		X				300	10	10.09	10.39	0.28%	Reinforced Concrete Pipe
5076	29	2098	2051			X		1		1				304	10	10.39	11.11	0.28%	Reinforced Concrete Pipe
5077	29	2051	2038			X		1		X				218	10	11.16	11.48	0.28%	Reinforced Concrete Pipe
5078	29	2038	2024					4		X				34	10	11.50	11.78	0.28%	Vitrified Clay Pipe
5080	30	2009	2663			X		8		X				334	10	11.47	10.89	0.28%	Concrete Pipe (non-reinforced)
5081	30	2663	2638							1				331	10	10.91	12.57	0.28%	Reinforced Concrete Pipe
5486	30	2092	2324			X		16		X				379	10	3.60	8.07	0.28%	Reinforced Concrete Pipe
5487	30	2324	2315			X		1		X				310	10	8.08	7.43	0.56%	Concrete Pipe (non-reinforced)
5489	30	2079	2068									X		325	10	8.20	11.60	0.90%	Reinforced Concrete Pipe
5490	30	2068	2056	X		X		5		X				380	10	11.60	13.00	0.28%	Reinforced Concrete Pipe

-Grey shaded cell indicates minimum pipe slope used

Pipe Segment Rehabilitation Summary Table

City of Marysville - CWSRF Sanitary Sewer Improvements Project



Detailed Rehab Items	*Notes
R1. Cut Attached Encrustation, Grease, Etc.*	* Indicates X for rehab item for entire sewer and # for 1 or more instances of rehab
R2. Cut Protruding Tap/Lateral or Sewer**	
R3. Heavy Cleaning (Pipe Diameter 6" to 12")	** Indicates # of instances of rehab items only.
R4. Heavy Cleaning (Pipe Diameter 15" to 48")	
R5. Chemical Joint Grouting (Pipe Diameter 6" to 12")**	
R6. Chemical Joint Grouting (Pipe Diameter 15" to 48")**	
R7. CIPP Sewer Lining/Patches (Pipe Diameter 6" to 12")*	
R8. CIPP Sewer Lining/Patches (Pipe Diameter 15" to 48")*	
R9. Replace Sewer (Pipe Diameter 6" to 12")	
R10. Replace Sewer (Pipe Diameter 15" to 48")	

-Grey shaded cell indicates minimum pipe slope used																			
Pipe Asset ID	Work Location Map Sheet Number	Upstream Manhole Asset ID	Downstream Manhole Asset ID	Detailed Rehab Items										Pipe Length (Feet)	Pipe Diameter (Inches)	Upstream Rim to Invert Depth (feet)	Downstream Rim to Invert Depth (feet)	Slope	Pipe Material
				R1	R2	R3	R4	R5	R6	R7	R8	R9	R10						
5546	30	2290	2575					1		1				347	12	11.14	12.05	0.25%	Concrete Pipe (non-reinforced)
5267	31	2667	2304	X		X		1		X				381	10	9.80	9.95	0.28%	Reinforced Concrete Pipe
5386	31	2569	2463				X		3		X			354	15	12.66	14.71	0.19%	Reinforced Concrete Pipe
5388	31	2527	2207				X		3		3			352	15	12.99	12.97	0.24%	Reinforced Concrete Pipe
5493	31	2029	2013			1		3		2				295	10	9.20	7.85	0.28%	Reinforced Concrete Pipe
5246	32	2320	2312	X		X		8		X				337	10	9.30	9.45	0.28%	Reinforced Concrete Pipe
5247	32	2312	2126	X		X		6		X				332	10	9.50	8.90	0.29%	Reinforced Concrete Pipe
5464	32	2369	2126					6		4				125	10	8.30	8.90	0.89%	Concrete Pipe (non-reinforced)
5473	32	2360	2348	X		X		13		X				321	10	9.45	10.80	0.28%	Reinforced Concrete Pipe
5474	32	2348	2338	X		X		2		X				273	10	10.90	10.90	0.44%	Reinforced Concrete Pipe
5475	32	2329	2320	X		X		9		X				423	10	11.00	9.25	0.30%	Reinforced Concrete Pipe
5507	32	2285	2126					2		2				60	10	8.45	8.85	3.93%	Concrete Pipe (non-reinforced)
5508	32	2445	2369					3						43	8	7.85	8.25	0.50%	Vitrified Clay Pipe
6210	32	2338	2329					11						325	10	10.90	10.95	0.31%	Reinforced Concrete Pipe

Pipe Diameter	Chemical Joint Grouting Locations	Chemical Joint Grouting Totals	Full Length Lining Locations	Full Length Lining Totals (feet)
8"	25	42	4	882
10"	65	240	30	8,487
12"	16	66	9	2,369
15"	8	21	1	354
18"	16	60	5	1,556
21"	0	0	2	765
24"	4	5	0	0
Totals	134	434	51	14,412

Division 2 Pipe Rehabilitation Breakdown