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March 16, 2020

NOTICE OF ADDENDUM
ADDENDUM NO. 2
CONTRACT NO. 8306

TOEPFER AVENUE, HOLLY AVENUE, EUCLID AVENUE, AND ST. CLAIR STREET ASSESSMENT
DISTRICT - 2019

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

CHANGES TO PLAN SHEETS:

Note, due to the number of revisions, the entire plan set has been updated and replaced. A more specific summary of the plan changes is noted below.

Erosion Control Plan Sheets

EC-1 – EC-11: Revised to show updated sewer layout and inlet protection

Street Details, Plan & Profile and Cross Sections

D-1, D-2: Revised HMA pavement types and callouts

P-1 thru P-11: Revised callouts for mill and overlay, sawcut, remove concrete, metro pedestrian pads, grubbing, and hand form curb.

P-10: Added Type X Curb and Gutter callout

P-1, P-7, P-11: Added underdrain callouts

Removed Holly Ave cross sections X-22 thru X-26 and replaced with updated sections X-22 thru X-25.

Sanitary and Storm Sewer Plan Sheets

Remove sheets U-1 thru U-11, U-12, U-14, U-15, and replace with U-1 thru U-11, U-12, U-14, and U-15
(Revised 3-16-20)

U-1: Moved sewer SAS #7 and added SAS #7A to accommodate proposed water main. Sanitary pipe quantity, lateral, and reconnection adjustments.

U-2 thru U-5: Adjusted STM SAS (S-6) and pipe connections. Sanitary sewer and storm sewer alignment adjusted on Toepfer Ave to provide more room for existing underground telephone duct packages.

U-2 & U-3: Added AWWA C900 sanitary main between St Clair St and Winnemac Ave.

U-7: Adjusted location of storm structure S-2.

U-1 & U-10: Revised existing lateral locations, after reviewing TV reports, for laterals on Holly Ave & Toepfer Ave.

U-1 thru U-11: Added note for sanitary lateral reconnections and risers.

U-12, U-14 & U-15: Proposed sewer data was updated to reflect alignment, structure, and pipe changes.

Green Infrastructure Sheets

GI-14: Call out for bus pad

GI-17: 10' wide concrete section added around water utility valves. Starting at STA 404+41.43

GI-21: Detail of Drill pattern for PVC underdrain pipe added

GI-22: Detail updated to show only one half of street. Note added to describe that 8" underdrain is only

included in the terrace for the cribs adjacent to storm sewer structure.
 GI-23: Added flume and hand poured curb section to detail

Water Plan Sheets

Remove sheets W-1, W-3 thru W-6 and W-9, and replace with W-1, W-3 thru W-6 and W-9 (Revised 3-16-20)

On sheet W-1 a 12-in x 18-in offset was added to shift the water main west at the southern tie-in location. On sheet W-3 two 8-in 22.5° bends were added to shift the water main west at the southern tie-in location, and sheet W-9 was updated to reflect materials changes. All other water sheets were reprinted to reflect storm and/or sanitary design revisions

SUMMARY OF CHANGES TO PROPOSAL:

Updated items and quantities can be found on the proposal page on Bidexpress.com.

ITEM CODE	DESCRIPTION	ACTION
20101	EXCAVATION CUT	MODIFY
40101	CRUSHED AGGREGATE BASE COURSE GRADATION NO. 1	MODIFY
21049	INLET PROTECTION, RIGID FRAME - PROVIDE AND INSTALL	MODIFY
21050	INLET PROTECTION, RIGID FRAME - MAINTAIN	MODIFY
21051	INLET PROTECTION, RIGID FRAME - REMOVE	MODIFY
50212	SELECT BACKFILL SANITARY SEWER	MODIFY
50301	8 INCH PVC SEWER PIPE (SDR-26, SDR-35)	MODIFY
50321	8 INCH PVC PRESSURE SANITARY SEWER PIPE	MODIFY
80353	SANITARY SEWER LATERAL	MODIFY
50355	SANITARY SEWER LATERAL - PRESSURE PIPE	MODIFY
50356	RECONNECT	MODIFY
50357	RECONNECT - PRESSURE PIPE	MODIFY
50401	12 INCH TYPE I RCP STORM SEWER PIPE	MODIFY
50741	TYPE H INLET	MODIFY
50211	SELECT BACKFILL STORM SEWER	MODIFY
50402	15 INCH TYPE I RCP STORM SEWER PIPE	MODIFY
50405	24 INCH TYPE I RCP STORM SEWER PIPE	MODIFY
50407	30 INCH TYPE I RCP STORM SEWER PIPE	MODIFY
50421	29 INCH X 45 INCH TYPE I HERCP STORM SEWER PIPE	MODIFY
50702	5' DIA SANITARY SAS	MODIFY
50723	3'X3' STORM SAS	MODIFY
90011	PRECAST PERVIOUS CONCRETE PAVEMENT	MODIFY

CHANGES TO SPECIAL PROVISIONS:

ADD TO SECTION 105.12 COOPERATION BY THE CONTRACTOR

Coordination with Utilities

The gas main replacement work on Toepfer Ave. is anticipated to involve installation of a new gas main under the sidewalk on both sides of the street along with replacement of all of the services. Work will also be done on Holly Ave to abandon a portion of the existing main, and additional work will be performed on streets outside of the limits but adjacent to the project on Paunack, Meyer, and Euclid. Work on these streets may involve tie-ins to new or existing mains within the project limits. It is anticipated that MG&E's work in the area will take approximately 12 weeks to complete.

ADD TO SECTION 107.7 MAINTENANCE OF TRAFFIC

During construction, Metro buses will detour off of Toepfer Ave. and will use Glenway and Tokay as the preferred detour route. A temporary bus boarding pad will need to be installed with this project on Tokay Ave. The Contractor shall install this immediately upon mobilization to the project, and shall remove it upon completion of the project. The boarding pad shall be 5" concrete sidewalk, and the installation, removal, and restoration will be paid under the appropriate bid items.

INSERT BID ITEM 20101 EXCAVATION CUT

Excavation Cut will be paid by the plan quantity for the cut necessary to reach the proposed subgrade as indicated on the plans and detail drawings. Additional cut areas with poor soils will be measured and paid as undercut. Additional excavation beyond the typical section for the pervious pavement areas that is necessary to reach the sandy soils will be measured and paid as additional excavation cut. This estimated quantity is already included in the estimated undercut quantity in the earthwork summary on the title page of the plans.

INSERT BID ITEM 20321 REMOVE CONCRETE PAVEMENT

Records indicate that is approximately 10'-12' of concrete pavement under the asphalt pavement along the centerlines of Euclid Ave. and Toepfer Ave.

INSERT BID ITEM 30302 7" CONCRETE SIDEWALK AND DRIVE

This item shall be used to pay for concrete work in locations where there are existing utility structures or valves within the proposed pervious pavement areas. The Contractor shall pour 6" concrete around those structures to match the grade of the adjacent pervious pavement, and this concrete shall be a minimum of 10 ft. in length and to match the width of the pervious pavement section and on the same base materials. The 6" Concrete shall be doweled and tied the adjacent curb per S.D.D. 3.10 & 3.11. All bars are included with this item.

ARTICLE 500 SEWER AND SEWER STRUCTURES GENERAL

The sanitary sewer and storm sewer designer for this project is Daniel Olivares and may be contacted at (608) 261-9285 or daolivares@cityofmadison.com.

SANITARY SEWER GENERAL

This project shall include installing approximately 395-feet of new 12" PVC SDR-26, 1153-feet of new 8" PVC SDR-26, 3368 feet of new 8" PVC SDR-35, 298-feet of new 8" PVC C900 and approximately 3522-feet of new PVC sanitary lateral.

ASTM D3034 SDR-35 and SDR-26 sewer main and lateral as called for on the plan set shall be payable under Sanitary Sewer Main (BID ITEM 50301) and Sanitary Lateral (BID ITEM 50353).

All new sanitary sewer access structures shall include Neenah R-1550 castings with the new City of Madison casting detail (see S.D.D. 5.7.16) of the City of Madison Standard Specifications for Public Works Construction

2020 ed. All new sewer main connections may be factory cored and shall be included in the structure. All existing main connections shall be field cored to accommodate existing conditions and shall be compensated under BID ITEM 50791 SANITARY SEWER TAP. All sewer main and/or laterals not slated for replacement that are damaged during the installation of a structure shall be replaced by the Contractor and shall be considered incidental to the project. All benches and flowlines shall have a smooth trowel finish.

Contractors shall have a locator device on-site if they intend to start laying lateral pipe at the property line to minimize the amount of extra sidewalk removal. Each sanitary lateral shall have a maximum of 4 sidewalk squares removed and replaced. No additional compensation shall be awarded beyond this amount for the replacement of a sewer lateral. If laterals called for reinstatement on the plans are to be plugged under the direction of the engineer on-site, Contractors are required to use a sonde device to confirm that the laterals are not active.

All sanitary sewer laterals on this project were located by television inspection of the main and from City records.

Sanitary lateral risers, where needed, shall be constructed in accordance with S.D.D. 5.3.1 and are incidental to the reconnection.

It is advised that the Contractor visit the site prior to bidding to determine the type of trench protection that will be necessary for the sanitary sewer main installation.

BID ITEM 50361 – WASTEWATER CONTROL

DESCRIPTION

Work under this bid item shall include wastewater control (bypass pumping of the sewer being replaced). Work shall be completed in accordance with Article 503.3 of the City of Madison Standard Specifications for Public Works Construction Latest Edition.

Estimated sanitary sewer peak daily flows at the most downstream structure is estimated to be 100 gallons per minute (gpm) at Holly Ave, 220 gpm at Toepfer Ave, and 292 gpm at St Clair St.

METHOD OF MEASUREMENT

Wastewater Control shall be measured by the Lump Sum acceptably completed.

BASIS OF PAYMENT

Wastewater Control measured as described, which will be paid at the contract unit price, which shall be full compensation for all materials, labor, equipment, and incidentals necessary to acceptably complete the work as set forth in the description.

REMOVE BID ITEM 90010 – PERMEABLE ARTICULATING CONCRETE BLOCK (P-ACB)

INSERT BID ITEM 90010 – PERMEABLE ARTICULATING CONCRETE BLOCK (P-ACB)

DESCRIPTION

This work shall consist of providing and installing permeable articulation concrete blocks at the locations indicated on the plans and per the detail drawings. The permeable articulating concrete block shall be installed per the manufacturer's specification, including any finishing necessary to complete the installation. The permeable articulation concrete blocks shall meet the following specifications at a minimum.

A. GENERAL

Permeable Articulating Concrete Blocks (P-ACB) shall be premanufactured of individual

concrete blocks with specific stormwater runoff and storage capacities. Blocks shall be hand-placed or mechanically installed with the use of a clamping or suction lifting device.

Individual blocks in the P-ACB shall be staggered, beveled, and interlocked for enhanced stability. The blocks shall be constructed of closed cell blocks with an arched storage chamber for additional stormwater runoff.

Each row of blocks shall be laterally offset by one-half block width from the adjacent row so that any given block is interlocked to four other blocks (two in the row above and two in the row below). Six adjacent blocks shall also surround each block.

Each block shall incorporate interlocking surfaces that prevent lateral displacement of the blocks. The interlocking surfaces shall not protrude beyond the perimeter of the blocks to such an extent that they reduce the flexibility or articulating capability of the system. Backfilling of the joints between the P-ACB with rock chips or sand is not required and shall not be done or included in the Work.

Infiltration Performance: The P-ACB will only be accepted when accompanied by documented third party infiltration performance characteristics based on ASTM C1701/C1701M-09, or C1781. The infiltration rate shall be no less than 1,000 inches per hour on an outdoor working surface, with typical base material utilized for the test.

Structural Performance: The design of the P-ACB shall be capable of supporting AASHTO H-25 and HS-25 truck loading. The blocks shall be analyzed as unreinforced concrete arches supporting a uniform truck tire load with impact per AASHTO standards. The subgrade soil, geosynthetic and base preparation for the P-ACB shall be properly designed by a Registered Professional Engineer and inspected by the ENGINEER or the Resident Project Representative during and following the installation of the Work.

B. CELLULAR CONCRETE BLOCKS

Materials

Cementitious Materials - Materials shall conform to the following applicable ASTM specifications:

Portland Cements - Specification C 150, for Portland Cement.

Blended Cements - Specification C 595, for Blended Hydraulic Cements. Hydrated

Lime Types - Specification C 207, for Hydrated Lime Types.

Pozzolans - Specifications C 618, for Fly Ash and Raw or Calcinated Natural Pozzolans for use in Portland Cement Concrete.

Aggregates shall conform to the following ASTM specifications. Normal Weight - Specification C 33, for Concrete Aggregates.

VISUAL INSPECTION

All units shall be sound and free of defects that would interfere with the proper placing of the unit or impair the strength or permanence of the construction. Surface cracks incidental to the usual methods of manufacture, or surface chipping resulting from customary methods of handling in shipment and delivery, shall not be deemed grounds for rejection. Cracks exceeding 0.25 inches in width and/or 1.0 inch in depth shall be deemed grounds for rejection.

PHYSICAL REQUIREMENTS

At the time of delivery to the work site, the units shall conform to the physical requirements prescribed in Table 1, Physical Characteristics.

TABLE 1: PHYSICAL CHARACTERISTICS

Item	Description	Values
Dimensions	Length x Width x Height	12" x 12" x 5.65" (+/- 1/8")
Compressive Strength	ASTM D-6684 / C-140	Avg. of Three: 4,000 psi min. Individual units: 3,500 psi min.
Block Weight		Arched Block: 45-50 lbs/sf Solid Block: 55-60 lbs/sf
Loading Capabilities	Truck Load Traffic Rating	AASHTO H-20, HS-20, HS-25
Joint Filler Between Blocks	Material Used	NONE Required
Percent Open Space		Surface: 7% Storage: 20%
Water Absorption (%) Density (lbs/cf)	ASTM D-6684 Table 1 / ASTM C-140	9.1% Avg. of Three, 11.7% Individual 130 Avg of Three, 125 Individual
Storage Capacity	Above Aggregate Within Arch	0.0833 cf/block
Post-Installation, Verified Surface Infiltration Rate	ASTM C1701/C1701M-09 ASTM C1781	Ave of three tests: 1,000 inches/hour/sf (MIN. 3 tests)

MANUFACTURER

The Permeable Articulating Concrete Blocks shall be **PaveDrain[®]** or pre-approved equal, as represented or distributed by:

NATIONAL

PaveDrain, LLC PH. (888) 575-5339
info@pavedrain.com www.pavedrain.com

"Or-Equal" Items: If in ENGINEER's sole discretion an item of material or equipment proposed by CONTRACTOR is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by ENGINEER as an "or-equal" item, in which case review and approval of the proposed item may, in ENGINEER's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. A proposed item of material or equipment will be considered functionally equal to an item so named if:

- a. in the exercise of reasonable judgment ENGINEER determines that: (i) it is at least equal in quality, durability, appearance, strength, and design characteristics; (ii) it will reliably perform at least equally well the function imposed by the design concept of the completed Project as a functioning whole, and;
- b. CONTRACTOR certifies that: (i) there is no increase in cost to the OWNER; and (ii) it will conform substantially, even with deviations, to the detailed requirements of the item named in the Contract Documents.

CONSTRUCTION METHODS

A. FOUNDATION AND PREPARATION

General. Areas on which permeable articulating concrete blocks are to be placed shall be constructed to the lines and grades shown on the Drawings and to the tolerances specified in the Contract Documents. Any proposed changes shall be reviewed and approved by the ENGINEER. The quantity of excavation to the subgrade level has been included with the plan quantity of excavation cut. The Contractor shall excavate and remove all clays under permeable block areas, and shall excavate until the sandy layer is found. Excavation in excess of the detail drawing will be paid as additional Excavation Cut. Contractor shall compact and test roll the subgrade prior to placement of stone base.

Geotextile Separator and Geogrid Stabilization. Monofilament or multifilament geotextile, that include Mirafi RS380i or its equivalent, or other geotextile material as shown on the Drawings shall be installed on the bottom and sides of the excavation to prevent in – situ soil contamination of the clean aggregate subbase. A geogrid shall be installed on top of the base for stabilization, but is not recommended on the sides of the aggregate sub base to separate the in-situ soils from the clean sub base aggregate.

Aggregate Subbase. The top 4” to 6” of the stone base shall be AASHTO #57 aggregate; this is the leveling course directly beneath the P-ACB blocks. Additional aggregate depth shall consist of City of Madison Gradation No. 1 Crushed aggregate. All aggregate shall be clean, angular on all sides with no less than 90% fractured faces. **Do not use rounded river gravel or fractured river gravel for any application.** The #57 aggregate is included with this item. The Gradation 1 aggregate will be paid under the appropriate item. In locations where additional excavation is necessary to reach the sandy layer, the excavated area shall be backfilled with Gradation 1 aggregate.

AASHTO NO. 57 BASE

Grading Requirements

<u>Sieve Size</u>	<u>Percent Passing</u>
37.5 mm (1 1/2 in.)	100
25 mm (1 in.)	95 to 100
12.5 mm (1/2 in.)	25 to 60
4.75 mm (No. 4)	0 to 10
2.36 mm (No. 8)	0 to 5

Subgrade shall be compacted and test rolled prior to installation of base aggregates.

Allow ENGINEER to inspect prepared base course and to witness proof roll test by a fully loaded dump truck. Reconstruct where deflection is greater than ½ inch.

The base course shall be firm and non-yielding, compacted until it does not creep or weave in front of the roller or compacting vehicle.

The aggregate bedding layer shall be compacted to a smooth plane surface to ensure positive contact is achieved between the legs of the permeable articulating concrete blocks and the compacted aggregate subbase layer and the Geogrid Separator.

Base aggregates shall be compacted in accordance with Part IV of the standard specifications. Gradation 1 base aggregate shall be compacted in 6-8” lifts with a roller-compact. The AASHTO #57 aggregate leveling subbase shall be rolled and then compacted with a minimum 10,000 psi plate compactor in both the perpendicular and parallel directions in the area of coverage. The CONTRACTOR shall compact a 2” layer of the AASHTO #57 Aggregate into the Gradation 1 crushed aggregate.

Geogrid Separator. Install Miragrid BXG110, Tensar BX-1100, (or equal) geogrid separator shall be directly on top of the compacted leveling course. The geogrid separator may be installed prior to the compaction of the leveling course. This will create a “snow shoe” effect and minimize damage from foot traffic prior to placement of the P-ACB.

8”, Drilled and wrapped Schedule 40 PVC underdrain shall be installed 1 foot from the bottom of the

3" clear stone base and connected to the storm sewer system with a core n boot connection to the specified inlet in the plan. Underdrain is included with this bid item.

Inspection. Immediately prior to placing the P-ACB the prepared area shall be inspected by the ENGINEER No blocks shall be placed thereon until that area has been approved by the ENGINEER.

B. PLACEMENT OF PERMEABLE ARTICULATING CONCRETE BLOCKS

General. Permeable articulating concrete blocks shall be constructed within the specified lines and grades shown on the Drawings.

Placement. The P-ACB shall be placed on the geogrid separator so as to produce a smooth plane surface. No individual block within the plane of placed articulating concrete mats shall protrude more than one-quarter of an inch unless otherwise specified by the ENGINEER.

Consultation. The Supplier will provide design and construction advice during the design and installation phases of the project. The Supplier will not supervise, direct, control, or have authority over or be responsible for CONTRACTOR's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of CONTRACTOR to comply with Laws and Regulations applicable to the performance of the Work.

Finishing. The joints between the P-ACB shall **not** be backfilled with smaller aggregates or sand in order to function properly. The joints shall be left open. This includes following maintenance of the P-ACB. If the joints are filled with smaller aggregates or sand, the CONTRACTOR shall be responsible for the removal of the material and perform infiltration tests to assure that the P-ACB meets the minimum infiltration tests described in this specification.

Post Installation Certification. Upon completion of the P-ACB installation, the surface infiltration rate of the pavement shall be verified by ASTM C1701M-09 or ASTM C1781 to confirm the required infiltration rate of the pavement (per Table 1). If the system fails to perform as required in section Table 1 of this spec, it shall be removed and replaced at the supplier's cost. It is recommended that the Contractor test the infiltration rates on the subgrade soils, base materials and the final system. Infiltration testing shall be coordinated with the Engineer for review of methods, implementation, and results.

METHOD OF MEASUREMENT

The permeable articulation concrete blocks will be measured by the square foot acceptably installed.

BASIS OF PAYMENT

The area, measured as provided above, shall be paid for at the contract unit price per square foot for permeable articulation concrete blocks, which price shall be full compensation for furnishing all materials, including the blocks and jointing or connection methods; for preparation of subgrade including placement of No. 57 stone, backfilling, and disposal of surplus material; for placing, finishing, jointing; providing and placing the underdrain, fabrics, and geogrids; and for all labor, tools, equipment and incidentals necessary to complete the work as described.

REMOVE BID ITEM 90011 – PRECAST PERVIOUS CONCRETE PAVEMENT

INSERT BID ITEM 90011 – PRECAST PERVIOUS CONCRETE PAVEMENT

DESCRIPTION

This work shall consist of providing and installing 6 inch thick precast pervious concrete pavement panels. Typical panel dimensions shall measure 5.5'x10', which shall be installed at the location indicated on the plans and per the detail drawing. The precast pervious concrete shall be installed per the manufacturer's specification, including any jointing and connection methods, and any finishing necessary to complete the installation. The pervious concrete panels shall be interlocking. The precast concrete panels shall meet the following specifications at a minimum

Minimum 4,000 psi compression strength
(based off average flexural strengths of 500 psi per ASTM C78)

Infiltration rate of 500 inches/hour per ASTM C1701

Void Ratio depending on application range from 15-25%

Precast Concrete Panels shall be installed on a foundation meeting the details of the foundation and preparation sections

CONSTRUCTION METHODS

General. Areas on which precast pervious concrete pavement panels are to be placed shall be constructed to the lines and grades shown on the Drawings and to the tolerances specified in the Contract Documents. Any proposed changes shall be reviewed and approved by the ENGINEER. The quantity of excavation to the subgrade level has been included with the plan quantity of excavation cut. The Contractor shall excavate and remove all clays under permeable block areas, and shall excavate until the sandy layer is found. Excavation in excess of the detail drawing will be paid as additional Excavation Cut. Contractor shall compact and test roll the subgrade prior to placement of stone base.

Geotextile Separator or Geogrid Stabilization. Monofilament or multifilament geotextile, that include Mirafi RS380i or its equivalent, or other geotextile material as shown on the Drawings shall be installed on the bottom and sides of the excavation to prevent in – situ soil contamination of the clean aggregate subbase. A geogrid shall be installed for sub base stabilization.

Aggregate Subbase. The top 4” to 6” of the stone base shall be AASHTO #57 aggregate; this is the leveling course directly beneath the P-ACB blocks. Additional aggregate depth shall consist of City of Madison Gradation No. 1 Crushed aggregate. All aggregate shall be clean, angular on all sides with no less than 90% fractured faces. **Do not use rounded river gravel or fractured river gravel for any application.** The #57 aggregate is included with this item. The Gradation 1 aggregate will be paid under the appropriate item. In locations where additional excavation is necessary to reach the sandy layer, the excavated area shall be backfilled with Gradation 1 aggregate. To assist with establishing a level grade for placement of the panels, the Contractor may top the base materials with no smaller than 3/8” clear stone base material. This additional base material is included with this item.

AASHTO NO. 57 BASE

Grading Requirements

<u>Sieve Size</u>	<u>Percent Passing</u>
37.5 mm (1 1/2 in.)	100
25 mm (1 in.)	95 to 100
12.5 mm (1/2 in.)	25 to 60
4.75 mm (No. 4)	0 to 10
2.36 mm (No. 8)	0 to 5

Subgrade shall be compacted and test rolled prior to installation of base aggregates.

The base course shall be firm and non-yielding, compacted until it does not creep or weave in front of the roller or compacting vehicle. The grade of the base material shall be established such that the pervious concrete panels will be fully supported by the base materials.

The aggregate bedding layer shall be compacted to a smooth plane surface to ensure positive contact is achieved between the legs of the permeable articulating concrete blocks and the compacted aggregate subbase layer and the Geogrid Separator.

Base aggregates shall be compacted in accordance with Part IV of the standard specifications. Gradation 1 base aggregate shall be compacted in 6-8” lifts with a roller-compactor. The AASHTO #57 aggregate leveling subbase shall be rolled and then compacted with a minimum 10,000 psi plate compactor in both

the perpendicular and parallel directions in the area of coverage. The CONTRACTOR shall compact a 2" layer of the AASHTO #57 Aggregate into the Gradation 1 crushed aggregate.

Geogrid Separator. Install Miragrid BXG110, Tensar BX-1100, (or equal) geogrid separator shall be directly on top of the compacted leveling course. The geogrid separator may be installed prior to the compaction of the leveling course. This will create a "snow shoe" effect and minimize damage from foot traffic prior to placement of the pervious concrete panels.

8", Drilled and wrapped Schedule 40 PVC underdrain shall be installed 1 foot from the bottom of the 3" clear stone base and connected to the storm sewer system with a core n boot connection to the specified inlet in the plan. The underdrain is included with this item.

Inspection. Immediately prior to placing the pervious concrete panels, the prepared area shall be inspected by the ENGINEER. No panels shall be placed thereon until that area has been approved by the ENGINEER.

METHOD OF MEASUREMENT

The precast pervious concrete will be measured by the square foot acceptably installed.

BASIS OF PAYMENT

The area, measured as provided above, shall be paid for at the contract unit price per square foot for precast pervious concrete pavement, which price shall be full compensation for furnishing all materials, including the precast concrete panels, expansion joints; for preparation of subgrade and disposal of surplus material; for placing, finishing, jointing, for providing and placing #57 aggregate base, providing and placing the underdrain; and for all labor, tools, equipment and incidentals necessary to complete the work and restore the site of the work.

REMOVE BID ITEM – 90013 PRECAST CONCRETE SIDEWALK PANELS WITH ROCK CRIB ADJACENT TO PERVIOUS PAVEMENT

INSERT BID ITEM – 90013 PRECAST CONCRETE SIDEWALK PANELS WITH ROCK CRIB ADJACENT TO PERVIOUS PAVEMENT

DESCRIPTION

This work shall consist of providing and installing 4 precast pervious concrete sidewalk panels between a residential driveway and a new concrete driveway apron, and 1 typical 5" concrete sidewalk panel will may need to be removed and replaced in order to install the pervious concrete panels, which will be paid under the appropriate item. The precast pervious sidewalk panels will have a 6" Drilled PVC under drain that routes water from the clear stone base to a rock crib constructed in the terrace, which is included with this item.

The precast pervious sidewalk shall be installed per the manufacturer's specification, including any filter fabric materials. The pervious concrete panels shall be interlocking. The precast concrete panels will shall have the following specifications at a minimum

Minimum 4,000 psi compression strength
(based off average flexural strengths of 500 psi per ASTM C78)

Infiltration rate of 500 inches/hour per ASTM C1701

Void Ratio depending on application range from 15-25% per

Precast Concrete Panels shall be installed on 12" of #57" clear stone base (gradation of #57 stone provided under bid items 90010 and 90011). The clear stone sidewalk base is included with this bid item.

Excavate to depths shown on the detail drawings, and line the excavated area with Monofilament or multifilament geotextile that includes Mirafi RS380i or its equivalent prior to placing clear stone base. All excavation and fabrics necessary to install this item are included. Place Gradation 1 crushed aggregate (3" clear stone) to the

dimensions indicated on the plans and details. Gradation 1 crushed aggregate shall be paid under item 40101. The gradation 1 crushed aggregate shall be installed such that it is connected to the crushed aggregate base used for the base of the pervious pavement, and is effectively an extension of that base material.

The typical rock crib dimension is 5' x 20' x 3' depth of rock. The rock crib is connected to the pervious sidewalk panels with a 6" wrapped, drilled PVC underdrain. The 6" underdrain is to extend across the top of the rock crib the entire length of the 20' side of the rock crib within the top 8" to 12" of the rock crib. A 2" diameter PVC pipe is to be installed vertically and connected to the 6" underdrain with a tee, and the top of the 2" pipe is to be capped and flush with the top surface.

The rock crib is to be wrapped with the Mirafi RS380i geotextile fabric, including over the top. A minimum of 1' topsoil is to be placed on top of the filter fabric on top of the rock crib and the areas is to be restored under the terrace restoration task. Topsoil, seed and mat restoration will be measured and paid under the appropriate bid items, the additional depth of the topsoil shall be considered incidental to this item.

MATERIALS

This item consists of Monofilament or multifilament geotextile, that include Mirafi RS380i or its equivalent, AASHTO #57 Clear Stone, 3" clear stone (paid separately) 6" Schedule 40 perforated and wrapped PVC pipe, 1 inspection pipe - 2" diameter with screw cap, and precast pervious concrete sidewalk panels

CONSTRUCTION METHODS

The Contractor shall excavate the rock trench areas to appropriate depths as shown in the plans and details and install PVC pipes, inspection pipes, and place fabric and backfill materials as shown in the details. Upon installation of all piping and rock materials, the top of the rock trenches shall be covered with 1 ft. of topsoil with seed & erosion mat per the Standard Specifications and these special provisions. Landscape restoration of the rock trench areas will be paid under the appropriate bid items.

METHOD OF MEASUREMENT

Precast Sidewalk Panels with Rock Crib shall be measured by each completed in place and satisfactorily installed.

BASIS OF PAYMENT

Payment for this item shall be full compensation at the contract unit price for work, equipment, materials and incidentals necessary to complete the item as set forth in the description, which shall include all excavation, hauling, fabrics, precast pervious concrete panels, #57 stone, and all pipes and underdrains necessary to complete the work as set forth in the description.

REMOVE BID ITEM – 90014 PRECAST CONCRETE SIDEWALK PANELS WITH ROCK CRIB ADJACENT TO STORM SEWER STRUCTURES

INSERT BID ITEM – 90014 PRECAST CONCRETE SIDEWALK PANELS WITH ROCK CRIB ADJACENT TO STORM SEWER STRUCTURES

DESCRIPTION

This work shall consist of providing and installing 4 precast pervious concrete sidewalk panels between a residential driveway and a new concrete driveway apron, and 1 typical 5" concrete sidewalk panel will may need to be removed and replaced in order to install the pervious concrete panels, which will be paid under the appropriate items. The precast pervious sidewalk panels will have a 6" Drilled PVC under drain that routes water from the clear stone base to a rock crib constructed in the terrace, which is included with this item.

The precast pervious sidewalk shall be installed per the manufacturer's specification, including any filter fabric materials. The pervious concrete panels shall be interlocking. The precast concrete panels will shall have the following specifications at a minimum

Minimum 4,000 psi compression strength

(based off average flexural strengths of 500 psi per ASTM C78)

Infiltration rate of 500 inches/hour per ASTM C1701

Void Ratio depending on application range from 15-25% per

Precast Concrete Panels shall be installed on 12" of #57" clear stone base (gradation of #57 stone provided under bid items 90010 and 90011). The clear stone sidewalk base is included with this bid item.

Excavate to depths shown on the detail drawings, and line the excavated area with Monofilament or multifilament geotextile that includes Mirafi RS380i or its equivalent prior to placing clear stone base. All excavation and fabrics necessary to install this item are included. Place Gradation 1 crushed aggregate (3" clear stone) to the dimensions indicated on the plans and details, which will be paid under bid item 40101. The typical rock crib dimension is 5' x 20' x 3' depth of gradation 1 crushed aggregate. Installation of the rock shall either be completed prior to placement of the curb and gutter, or shall be completed in a manner such that the new curb and gutter is protected and not undermined by the excavation for the rock crib.

An 8" drilled and wrapped PVC underdrain is to be installed 1' off the bottom of the rock crib and connected to the storm inlet indicated on the sewer schedule. The 8" underdrain is to be connected to the storm inlet with a core n boot seal, and is included with this item.

The rock crib is connected to the pervious sidewalk panels with a 6" wrapped, drilled PVC underdrain. The 6" underdrain is to extend across the top of the rock crib the entire length of the 20' side of the rock crib within the top 8" to 12" of the rock crib. A 2" diameter PVC pipe is to be installed vertically and connected to the 6" underdrain with a tee, and the top of the 2" pipe is to be capped and flush with the top surface.

The rock crib is to be wrapped with the Mirafi RS380i geotextile fabric, including over the top. A minimum of 1' topsoil is to be placed on top of the filter fabric on top of the rock crib and the areas is to be restored under the terrace restoration task. Topsoil, seed and mat restoration will be measured and paid under the appropriate bid items, the additional depth of the topsoil shall be considered incidental to this item.

MATERIALS

This item consists of Monofilament or multifilament geotextile, that include Mirafi RS380i or its equivalent, AASHTO #57 Clear Stone, 3" clear stone (paid separately) 6" Schedule 40 perforated and wrapped PVC pipe, 1 inspection pipe - 2" diameter with screw cap, 8" drilled and wrapped PVC underdrain pipe, and precast pervious concrete sidewalk panels

CONSTRUCTION METHODS

The Contractor shall excavate the rock trench areas to appropriate depths as shown in the plans and details and install PVC pipes, inspection pipes, and place fabric and backfill materials as shown in the details. Connection of piping to inlet structures is included with this item.

Upon installation of all piping and rock materials, the top of the rock trenches shall be covered with topsoil and sod, or with topsoil seed & erosion mat per the Standard Specifications and these special provisions. Landscape restoration of the rock trench areas will be paid under the appropriate bid items.

METHOD OF MEASUREMENT

Precast Sidewalk Panels with Rock Crib shall be measured by each completed in place and satisfactorily installed.

BASIS OF PAYMENT

Payment for this item shall be full compensation at the contract unit price for work, equipment, materials and incidentals necessary to complete the item as set forth in the description, which shall include all excavation, hauling, fabrics, precast pervious concrete panels, #57 stone, and all pipes and underdrains necessary to complete the work as set forth in the description.

Changes to SECTION C: DISADVANTAGED BUSINESS ENTERPRISE

DELETE 2.3 Solicitation Efforts and Documentation Requirements and replace with the following:

2.3 Solicitation Efforts and Documentation Requirements

To make a good faith effort when subcontracting, a Prime Contractor should advertise for subcontractors with an ad that includes a statement such as, "An 8% DBE participation goal is set for this project. DBEs are encouraged to submit proposals." If just one advertisement is published for all areas of work that may be subcontracted, it should indicate those types of work that could be subcontracted.

The advertisement(s) should appear in an industry trade publication and/or the official newspaper of public record for the municipality to effectively maximize the effectiveness of the effort.

The Prime Contractor shall supply a copy of the advertisement to the Engineer upon award of the Contract, or whenever solicitation occurs beyond the time of the bid submittal. A copy of the advertisement is not required as component of the Prime Contractor's bid submittal or award of the Contract.

Prime Contractors are required to contact DBEs on a Unified Certification Program (UCP) List to solicit bids from these firms (e.g., firms registered in the WisDOT UCP, <https://wisconsindot.gov/Pages/doing-bus/civil-rights/dbe/certified-firms.aspx>). Document all the contacts, using Form 8700-294A, the DBE Contacts Worksheet and submit the form with the bid, and subsequently, to the Engineer, whenever solicitation occurs beyond the time of the bid submittal.

In addition to Form 8700-294A documenting DBE solicitation efforts, the DBE Program Subcontractor Utilization Form (EPA Form 6100-4) must be completed for all DBEs selected and/or intended for utilization on the project, including an estimated dollar value of their subcontract. The total subcontract values of eligible DBE subcontractors will determine whether the 8% utilization goal has been met. Submit the completed and signed form(s) with the bid, and subsequently, to the Engineer, whenever additional DBE utilization occurs beyond the time of the bid submittal.

Additional solicitation steps are identified and provided for reference on Form 8700-294, DBE Good Faith Certification Form. This form is not required for submittal by the Prime Contractor.

DELETE 2.4 Required Submittals by Bidder / Prime Contractor and replace with the following:

2.4 Required Submittals by Bidder / Prime Contractor

The following forms and solicitation documentation materials must be completed and submitted with the bid in order to be considered eligible for award of the Contract.

1) DNR Form 8700-294A

The Environmental Improvement Fund (EIF) DBE Contacts Worksheet

2) EPA Form 6100-4

The DBE Program Subcontractor Utilization Form captures the prime's intended use of an identified DBE subcontractor, and the estimated dollar amount of the subcontract.

Changes to SECTION K: DAVIS BACON WAGE RATES

DELETE Section K: Davis Bacon Wage Rates

INSERT Section K: Davis Bacon Wage Rates dated 03/06/2020, attached

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

<http://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Phillips". The signature is written in a cursive style with large, rounded letters.

Robert F. Phillips, P.E.
City Engineer

RFP:JMW

SECTION K:DAVIS BACON WAGE RATES

"General Decision Number: WI20200010 03/06/2020

Superseded General Decision Number: WI20190010

State: Wisconsin

Construction Type: Highway

Counties: Wisconsin Statewide.

HIGHWAY, AIRPORT RUNWAY & TAXIWAY CONSTRUCTION PROJECTS (does not include bridges over navigable waters; tunnels; buildings in highway rest areas; and railroad construction)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 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, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 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 calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/03/2020
1	01/24/2020
2	02/28/2020
3	03/06/2020

BRWI0001-002 06/03/2019

CRAWFORD, JACKSON, JUNEAU, LA CROSSE, MONROE, TREMPLEAU, AND VERNON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.80	24.28

BRWI0002-002 06/01/2019

ASHLAND, BAYFIELD, DOUGLAS, AND IRON COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 39.94	23.30

BRWI0002-005 06/01/2019

ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA,

SECTION K:DAVIS BACON WAGE RATES

WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.51	23.37

BRWI0003-002 06/03/2019		

BROWN, DOOR, FLORENCE, KEWAUNEE, MARINETTE, AND OCONTO COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0004-002 06/01/2019		

KENOSHA, RACINE, AND WALWORTH COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.43	25.10

BRWI0006-002 06/01/2019		

ADAMS, CLARK, FOREST, LANGLADE, LINCOLN, MARATHON, MENOMINEE, ONEIDA, PORTAGE, PRICE, TAYLOR, VILAS AND WOOD COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.06	23.02

BRWI0007-002 06/03/2019		

GREEN, LAFAYETTE, AND ROCK COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 35.57	24.22

BRWI0008-002 06/01/2019		

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 38.93	24.22

BRWI0011-002 06/03/2019		

CALUMET, FOND DU LAC, MANITOWOC, AND SHEBOYGAN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.18	23.90

BRWI0019-002 06/03/2019		

BARRON, BUFFALO, BURNETT, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK, ST. CROIX, SAWYER AND WASHBURN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 33.40	24.68

BRWI0034-002 06/03/2019		

COLUMBIA AND SAUK COUNTIES

	Rates	Fringes
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SECTION K:DAVIS BACON WAGE RATES

	Rates	Fringes
PILEDRIVERMAN		
Zone A.....	\$ 31.03	22.69
Zone B.....	\$ 31.03	22.69

 ELEC0014-002 06/03/2019

ASHLAND, BARRON, BAYFIELD, BUFFALO, BURNETT, CHIPPEWA, CLARK
 (except Maryville, Colby, Unity, Sherman, Fremont, Lynn &
 Sherwood), CRAWFORD, DUNN, EAU CLAIRE, GRANT, IRON, JACKSON, LA
 CROSSE, MONROE, PEPIN, PIERCE, POLK, PRICE, RICHLAND, RUSK, ST
 CROIX, SAWYER, TAYLOR, TREMPPEALEAU, VERNON, AND WASHBURN
 COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.59	20.87

 ELEC0014-007 06/03/2019

REMAINING COUNTIES

	Rates	Fringes
Teledata System Installer		
Installer/Technician.....	\$ 27.25	14.34

Low voltage construction, installation, maintenance and
 removal of teledata facilities (voice, data, and video)
 including outside plant, telephone and data inside wire,
 interconnect, terminal equipment, central offices, PABX,
 fiber optic cable and equipment, micro waves, V-SAT,
 bypass, CATV, WAN (wide area networks), LAN (local area
 networks), and ISDN (integrated systems digital network).

 ELEC0127-002 06/01/2019

KENOSHA COUNTY

	Rates	Fringes
Electricians:.....	\$ 40.49	30%+12.07

 ELEC0158-002 06/03/2019

BROWN, DOOR, KEWAUNEE, MANITOWOC (except Schleswig),
 MARINETTE(Wausaukee and area South thereof), OCONTO, MENOMINEE
 (East of a line 6 miles West of the West boundary of Oconto
 County), SHAWANO (Except Area North of Townships of Aniwa and
 Hutchins) COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.52	29.75%+10.26

 ELEC0159-003 06/01/2019

COLUMBIA, DANE, DODGE (Area West of Hwy 26, except Chester and
 Emmet Townships), GREEN, LAKE (except Townships of Berlin,
 Seneca, and St. Marie), IOWA, MARQUETTE (except Townships of
 Neshkoka, Crystal Lake, Newton, and Springfield), and SAUK
 COUNTIES

	Rates	Fringes
Electricians:.....	\$ 40.30	22.24

SECTION K:DAVIS BACON WAGE RATES

 ELEC0219-004 06/01/2016

FLORENCE COUNTY (Townships of Aurora, Commonwealth, Fern, Florence and Homestead) AND MARINETTE COUNTY (Township of Niagara)

	Rates	Fringes
Electricians:		
Electrical contracts over \$180,000.....	\$ 32.38	18.63
Electrical contracts under \$180,000.....	\$ 30.18	18.42

 ELEC0242-005 05/16/2018

DOUGLAS COUNTY

	Rates	Fringes
Electricians:.....	\$ 36.85	26.17

 ELEC0388-002 06/03/2019

ADAMS, CLARK (Colby, Freemont, Lynn, Mayville, Sherman, Sherwood, Unity), FOREST, JUNEAU, LANGLADE, LINCOLN, MARATHON, MARINETTE (Beecher, Dunbar, Goodman & Pembine), MENOMINEE (Area West of a line 6 miles West of the West boundary of Oconto County), ONEIDA, PORTAGE, SHAWANO (Aniwa and Hutchins), VILAS AND WOOD COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.56	26%+11.01

 ELEC0430-002 01/01/2020

RACINE COUNTY (Except Burlington Township)

	Rates	Fringes
Electricians:.....	\$ 40.30	22.19

 ELEC0494-005 06/01/2019

MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Electricians:.....	\$ 41.03	25.11

 * ELEC0494-006 01/01/2020

CALUMET (Township of New Holstein), DODGE (East of Hwy 26 including Chester Township), FOND DU LAC, MANITOWOC (Schleswig), and SHEBOYGAN COUNTIES

	Rates	Fringes
Electricians:.....	\$ 34.99	22.31

 ELEC0494-013 06/01/2019

DODGE (East of Hwy 26 including Chester Twp, excluding Emmet Twp), FOND DU LAC (Except Waupun), MILWAUKEE, OZAUKEE, MANITOWOC (Schleswig), WASHINGTON, AND WAUKESHA COUNTIES

SECTION K:DAVIS BACON WAGE RATES

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 20.53	18.13
Technician.....	\$ 30.18	19.58

Installation, testing, maintenance, operation and servicing of all sound, intercom, telephone interconnect, closed circuit TV systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

 ELEC0577-003 06/01/2019

CALUMET (except Township of New Holstein), GREEN LAKE (N. part including Townships of Berlin, St Marie, and Seneca), MARQUETTE (N. part including Townships of Crystal Lake, Neshkoro, Newton, and Springfield), OUTAGAMIE, WAUPACA, WAUSHARA, AND WINNEBAGO COUNTIES

	Rates	Fringes
Electricians:.....	\$ 33.15	28.50%+10.00

 ELEC0890-003 06/01/2019

DODGE (Emmet Township only), GREEN, JEFFERSON, LAFAYETTE, RACINE (Burlington Township), ROCK AND WALWORTH COUNTIES

	Rates	Fringes
Electricians:.....	\$ 35.91	25.95%+10.83

 ELEC0953-001 06/02/2019

	Rates	Fringes
Line Construction:		
(1) Lineman.....	\$ 47.53	21.43
(2) Heavy Equipment Operator.....	\$ 42.78	19.80
(3) Equipment Operator.....	\$ 38.02	18.40
(4) Heavy Groundman Driver..	\$ 33.27	16.88
(5) Light Groundman Driver..	\$ 30.89	16.11
(6) Groundsman.....	\$ 26.14	14.60

 ENGI0139-005 06/03/2019

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 41.17	23.03
Group 2.....	\$ 40.67	23.03
Group 3.....	\$ 40.17	23.03
Group 4.....	\$ 39.91	23.03
Group 5.....	\$ 39.62	23.03

SECTION K:DAVIS BACON WAGE RATES

Group 6.....\$ 33.72 23.03

HAZARDOUS WASTE PREMIUMS:

EPA Level ""A"" protection - \$3.00 per hour
EPA Level ""B"" protection - \$2.00 per hour
EPA Level ""C"" protection - \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, tower cranes, and derricks with or without attachments with a lifting capacity of over 100 tons; or cranes, tower cranes, and derricks with boom, leads and/or jib lengths measuring 176 feet or longer.

GROUP 2: Cranes, tower cranes and derricks with or without attachments with a lifting capacity of 100 tons or less; or cranes, tower cranes, and derricks with boom, leads, and/or jibs lengths measuring 175 feet or under and Backhoes (excavators) weighing 130,000 lbs and over; caisson rigs; pile driver; dredge operator; dredge engineer; Boat Pilot.

GROUP 3: Mechanic or welder - Heavy duty equipment; cranes with a lifting capacity of 25 tons or under; concrete breaker (manual or remote); vibratory/sonic concrete breaker; concrete laser screed; concrete slipform paver; concrete batch plant operator; concrete pvt. spreader - heavy duty (rubber tired); concrete spreader & distributor; automatic subgrader (concrete); concrete grinder & planing machine; concrete slipform curb & gutter machine; slipform concrete placer; tube finisher; hydro blaster (10,000 psi & over); bridge paver; concrete conveyor system; concrete pump; Rotec type Conveyor; stabilizing mixer (self-propelled); shoulder widener; asphalt plant engineer; bituminous paver; bump cutter & grooving machine; milling machine; screed (bituminous paver); asphalt heater, planer & scarifier; Backhoes (excavators) weighing under 130,000 lbs; grader or motor patrol; tractor (scraper, dozer, pusher, loader); scraper - rubber tired (single or twin engine); endloader; hydraulic backhoe (tractor type); trenching machine; skid rigs; tractor, side boom (heavy); drilling or boring machine (mechanical heavy); roller over 5 tons; percussion or rotary drilling machine; air track; blaster; loading machine (conveyor); tugger; boatmen; winches & A-frames; post driver; material hoist.

GROUP 4: Greaser, roller steel (5 tons or less); roller (pneumatic tired) - self propelled; tractor (mounted or towed compactors & light equipment); shouldering machine; self-propelled chip spreader; concrete spreader; finishing machine; mechanical float; curing machine; power subgrader; joint sawer (multiple blade) belting machine; burlap machine; texturing machine; tractor endloader (rubber tired) - light; jeep digger; forklift; mulcher; launch operator; fireman, environmental burner

GROUP 5: Air compressor; power pack; vibrator hammer and extractor; heavy equipment, leadman; tank car heaters; stump chipper; curb machine operator; Concrete proportioning plants; generators; mudjack operator; rock breaker; crusher or screening plant; screed (milling machine); automatic belt conveyor and surge bin; pug mill operator; Oiler, pump (over 3 inches); Drilling Machine Tender.

GROUP 6: Off-road material hauler with or without ejector.

IRON008-002 06/01/2019

BROWN, CALUMET, DOOR, FOND DU LAC, KEWAUNEE, MANITOWOC, MARINETTE, OCONTO, OUTAGAMI, SHAWANO, SHEBOYGAN, AND WINNEBAGO COUNTIES:

SECTION K:DAVIS BACON WAGE RATES

	Rates	Fringes
IRONWORKER.....	\$ 35.07	27.62

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

 IRON0008-003 06/01/2019

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WALWORTH (N.E. 2/3), WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.12	27.87

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

 IRON0383-001 06/01/2019

ADAMS, COLUMBIA, CRAWFORD, DANE, DODGE, FLORENCE, FOREST, GRANT, GREENE, (Excluding S.E. tip), GREEN LAKE, IOWA, JEFFERSON, JUNEAU, LA CROSSE, LAFAYETTE, LANGLADE, MARATHON, MARQUETTE, MENOMINEE, MONROE, PORTAGE, RICHLAND, ROCK (Northern area, vicinity of Edgerton and Milton), SAUK, VERNON, WAUPACA, WAUSHARA, AND WOOD COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.50	26.57

 IRON0498-005 06/01/2019

GREEN (S.E. 1/3), ROCK (South of Edgerton and Milton), and WALWORTH (S.W. 1/3) COUNTIES:

	Rates	Fringes
IRONWORKER.....	\$ 40.25	40.53

 IRON0512-008 06/03/2019

BARRON, BUFFALO, CHIPPEWA, CLARK, DUNN, EAU CLAIRE, JACKSON, PEPIN, PIERCE, POLK, RUSK, ST CROIX, TAYLOR, AND TREMPLEAU COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 37.60	29.40

 IRON0512-021 06/03/2019

ASHLAND, BAYFIELD, BURNETT, DOUGLAS, IRON, LINCOLN, ONEIDA, PRICE, SAWYER, VILAS AND WASHBURN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.19	29.40

 LAB00113-002 06/03/2019

MILWAUKEE AND WAUKESHA COUNTIES

SECTION K:DAVIS BACON WAGE RATES

	Rates	Fringes
LABORER		
Group 1.....	\$ 29.02	21.92
Group 2.....	\$ 29.17	21.92
Group 3.....	\$ 29.37	21.92
Group 4.....	\$ 29.52	21.92
Group 5.....	\$ 29.67	21.92
Group 6.....	\$ 25.51	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagperson; traffic control person

LAB00113-003 06/03/2019

OZAUKEE AND WASHINGTON COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.27	21.92
Group 2.....	\$ 28.37	21.92
Group 3.....	\$ 28.42	21.92
Group 4.....	\$ 28.62	21.92
Group 5.....	\$ 28.47	21.92
Group 6.....	\$ 25.36	21.92

LABORERS CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous Worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated);

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson and Traffic Control Person

SECTION K:DAVIS BACON WAGE RATES

 LAB00113-011 06/03/2019

KENOSHA AND RACINE COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 28.08	21.92
Group 2.....	\$ 28.23	21.92
Group 3.....	\$ 28.43	21.92
Group 4.....	\$ 28.40	21.92
Group 5.....	\$ 28.73	21.92
Group 6.....	\$ 25.22	21.92

LABORERS CLASSIFICATIONS:

GROUP 1: General laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bituminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler; Bituminous worker (Dumper, Ironer, Smoother, and Tamper); Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler (Pavement); Vibrator or Tamper Operator (Mechanical Hand Operated); Chain Saw Operator; Demolition Burning Torch Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter (Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster and Powderman

GROUP 6: Flagman; traffic control person

 LAB00140-002 06/03/2019

ADAMS, ASHLAND, BARRON, BAYFIELD, BROWN, BUFFALO, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, CRAWFORD, DODGE, DOOR, DOUGLAS, DUNN, EAU CLAIRE, FLORENCE, FOND DU LAC, FOREST, GRANT, GREEN, GREEN LAKE, IRON, JACKSON, JUNEAU, IOWA, JEFFERSON, KEWAUNEE, LA CROSSE, LAFAYETTE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, MONROE, OCONTO, ONEIDA, OUTAGAMIE, PEPIN, PIERCE, POLK, PORTAGE, PRICE, RICHLAND, ROCK, RUSK, SAUK, SAWYER, SHAWANO, SHEBOYGAN, ST. CROIX, TAYLOR, TREMPLEAU, VERNON, VILLAS, WALWORTH, WASHBURN, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
LABORER		
Group 1.....	\$ 32.84	17.54
Group 2.....	\$ 32.94	17.54
Group 3.....	\$ 32.99	17.54
Group 4.....	\$ 33.19	17.54
Group 5.....	\$ 33.04	17.54
Group 6.....	\$ 29.47	17.54

LABORER CLASSIFICATIONS

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer; Demolition and Wrecking Laborer; Guard Rail, Fence, and Bridge Builder; Landscaper; Multiplate Culvert Assembler; Stone Handler; Bitminous Worker (Shoveler, Loader, and Utility Man); Batch Truck Dumper or Cement Handler;

SECTION K:DAVIS BACON WAGE RATES

Bituminous Worker (Dumper, Ironer, Smoother and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated); Chain Saw Operator, Demolition Burning Torch
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; powderman

GROUP 6: Flagperson; Traffic Control

LAB00464-003 06/03/2019

DANE COUNTY

	Rates	Fringes
LABORER		
Group 1.....	\$ 33.12	17.54
Group 2.....	\$ 33.22	17.54
Group 3.....	\$ 33.27	17.54
Group 4.....	\$ 33.47	17.54
Group 5.....	\$ 33.32	17.54
Group 6.....	\$ 29.47	17.54

LABORERS CLASSIFICATIONS:

GROUP 1: General Laborer; Tree Trimmer; Conduit Layer;
Demolition and Wrecking Laborer; Guard Rail, Fence, and
Bridge Builder; Landscaper; Multiplate Culvert Assembler;
Stone Handler; Bituminous Worker (Shoveler, Loader, and
Utility Man); Batch Truck Dumper or Cement Handler;
Bituminous Worker (Dumper, Ironer, Smoother, and Tamper);
Concrete Handler

GROUP 2: Air Tool Operator; Joint Sawyer and Filler
(Pavement); Vibrator or Tamper Operator (Mechanical Hand
Operated); Chain Saw Operator; Demolition Burning Torch
Laborer

GROUP 3: Bituminous Worker (Raker and Luteman); Formsetter
(Curb, Sidewalk, and Pavement); Strike Off Man

GROUP 4: Line and Grade Specialist

GROUP 5: Blaster; Powderman

GROUP 6: Flagperson and Traffic Control Person

PAIN0106-008 05/01/2017

ASHLAND, BAYFIELD, BURNETT, AND DOUGLAS COUNTIES

	Rates	Fringes
Painters:		
New:		
Brush, Roller.....	\$ 30.33	17.27
Spray, Sandblast, Steel....	\$ 30.93	17.27
Repaint:		
Brush, Roller.....	\$ 28.83	17.27
Spray, Sandblast, Steel....	\$ 29.43	17.27

PAIN0108-002 06/01/2019

SECTION K:DAVIS BACON WAGE RATES

RACINE COUNTY

	Rates	Fringes
Painters:		
Brush, Roller.....	\$ 36.08	20.36
Spray & Sandblast.....	\$ 37.08	20.36

PAIN0259-002 05/01/2008

BARRON, CHIPPEWA, DUNN, EAU CLAIRE, PEPIN, PIERCE, POLK, RUSK,
SAWYER, ST. CROIX, AND WASHBURN COUNTIES

	Rates	Fringes
PAINTER.....	\$ 24.11	12.15

PAIN0259-004 05/01/2015

BUFFALO, CRAWFORD, JACKSON, LA CROSSE, MONROE, TREMPLEAU, AND
VERNON COUNTIES

	Rates	Fringes
PAINTER.....	\$ 22.03	12.45

PAIN0781-002 06/01/2019

JEFFERSON, MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 33.30	23.86
Brush.....	\$ 32.95	23.86
Spray & Sandblast.....	\$ 33.70	23.86

PAIN0802-002 06/01/2019

COLUMBIA, DANE, DODGE, GRANT, GREEN, IOWA, LAFAYETTE, RICHLAND,
ROCK, AND SAUK COUNTIES

	Rates	Fringes
PAINTER		
Brush.....	\$ 30.93	18.44

PREMIUM PAY:
Structural Steel, Spray, Bridges = \$1.00 additional per
hour.

PAIN0802-003 06/01/2019

ADAMS, BROWN, CALUMET, CLARK, DOOR, FOND DU LAC, FOREST, GREEN
LAKE, IRON, JUNEAU, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC,
MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA,
OUTAGAMIE, PORTAGE, PRICE, SHAWANO, SHEBOYGAN, TAYLOR, VILAS,
WAUSHARA, WAUPACA, WINNEBAGO, AND WOOD COUNTIES

	Rates	Fringes
PAINTER.....	\$ 30.93	18.58

PAIN0934-001 06/01/2017

KENOSHA AND WALWORTH COUNTIES

SECTION K:DAVIS BACON WAGE RATES

	Rates	Fringes
Painters:		
Brush.....	\$ 33.74	18.95
Spray.....	\$ 34.74	18.95
Structural Steel.....	\$ 33.89	18.95

PAIN1011-002 06/02/2019

FLORENCE COUNTY

	Rates	Fringes
Painters:.....	\$ 25.76	13.33

PLAS0599-010 06/01/2017

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
Area 1.....	\$ 39.46	17.17
Area 2 (BAC).....	\$ 35.07	19.75
Area 3.....	\$ 35.61	19.40
Area 4.....	\$ 34.70	20.51
Area 5.....	\$ 36.27	18.73
Area 6.....	\$ 32.02	22.99

AREA DESCRIPTIONS

AREA 1: BAYFIELD, DOUGLAS, PRICE, SAWYER, AND WASHBURN COUNTIES

AREA 2: ADAMS, ASHLAND, BARRON, BROWN, BURNETT, CALUMET, CHIPPEWA, CLARK, COLUMBIA, DODGE, DOOR, DUNN, FLORENCE, FOND DU LAC, FOREST, GREEN LAKE, IRON, JEFFERSON, KEWAUNEE, LANGLADE, LINCOLN, MANITOWOC, MARATHON, MARINETTE, MARQUETTE, MENOMINEE, OCONTO, ONEIDA, OUTAGAMIE, POLK, PORTAGE, RUSK, ST CROIX, SAUK, SHAWANO, SHEBOYGAN, TAYLOR, VILAS, WALWORTH, WAUPACA, WAUSHARA, WINNEBAGO, AND WOOD COUNTIES

AREA 3: BUFFALO, CRAWFORD, EAU CLAIRE, JACKSON, JUNEAU, LA CROSSE MONROE, PEPIN, PIERCE, RICHLAND, TREMPLEAU, AND VERNON COUNTIES

AREA 4: MILWAUKEE, OZAUKEE, WASHINGTON, AND WAUKESHA COUNTIES

AREA 5: DANE, GRANT, GREEN, IOWA, LAFAYETTE, AND ROCK COUNTIES

AREA 6: KENOSHA AND RACINE COUNTIES

TEAM0039-001 06/01/2019

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 29.57	22.03
3 or more Axles; Euclids Dumpton & Articulated, Truck Mechanic.....	\$ 29.72	22.03

WELL DRILLER.....\$ 16.52 3.70

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

SECTION K:DAVIS BACON WAGE RATES

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 www.dol.gov/whd/govcontracts.

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

SECTION K:DAVIS BACON WAGE RATES

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 Regional Office for the area in which the survey was conducted because those Regional Offices have 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

SECTION K:DAVIS BACON WAGE RATES

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 DECISION"