



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

November 3, 2022

NOTICE TO ALL CONTRACTORS:

Proposal #39: 4994-01-35, WISC 2023040
C Oshkosh, S Washburn St
Dickinson - W 20th
Local Street
Winnebago County

4994-01-39, WISC 2023041
C Oshkosh, Osborn Avenue
Koelle To Knapp
Local Street
Winnebago County

Letting of November 08, 2022

This is Addendum No. 02, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
15	Full Depth Reclamation 12-Inch, Item SPV.0180.01; Full Depth Reclamation 8-Inch, Item SPV.0180.02.

Added Special Provisions	
Article No.	Description
16	Base Repair for FDR Layer, Item SPV.0035.02

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
624.0100	Water	MGAL	2.7	70	72.7

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0035.02	Base Repair for FDR Layer	CY	0	1,211	1,211
SPV.0195.01	Stabilizing Agent Hydraulic Cement	TON	0	485	485

Plan Sheets:

Revised Plan Sheets - ID 4994-01-35	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
14	Miscellaneous Quantities (Added Water bid item)
15	Miscellaneous Quantities (Added Base Repair for FDR Layer bid item and Stabilizing Agent Hydraulic Cement bid item)

Revised Plan Sheets - ID 4994-01-39	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
9	Miscellaneous Quantities (Added Water bid item)
10	Miscellaneous Quantities (Added Base Repair for FDR Layer bid item and Stabilizing Agent Hydraulic Cement bid item)

Added Plan Sheets - ID 4994-01-35	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
7A	Construction Detail - Base Repair for FDR Layer (detail for added bid item)

Added Plan Sheets - 4994-01-39	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
4A	Construction Detail - Base Repair for FDR Layer (detail for added bid item)

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02

4994-01-35/39

November 03, 2022

Special Provisions

15. Full Depth Reclamation 12-Inch, Item SPV.0180.01; Full Depth Reclamation 8-Inch, Item SPV.0180.02

Replace entire article with the following:

15. Full Depth Reclamation 12-Inch, Item SPV.0180.01; Full Depth Reclamation 8-Inch, Item SPV.0180.02; Stabilizing Agent Hydraulic Cement, Item SPV.0195.01.

A Description

This special provision describes reclaiming (pulverizing) the existing flexible pavement and base to the length, depth and width as specified or as shown on the plans, blending with a cementitious stabilizer (hydraulic cement) and water as required by the mix design, to produce a cementitious stabilized base. This material shall then be shaped, compacted, cured and protected.

B Materials

Full Depth Reclamation (FDR) shall consist of a homogeneous blend of reclaimed asphalt pavement (RAP), base material and cementitious stabilizer (hydraulic cement) and water as necessary. The actual materials utilized, and their respective usage rates are dependent on the mix design and project requirements.

Mix Design will be provided by the engineer.

RAP and base material shall consist of the existing hot mix asphalt (HMA) and existing base course material. The RAP and base material shall not contain roots, sod, topsoil, weeds, wood or any material deleterious to its reaction with the cementitious stabilizer. The gradation of the processed (pulverized) material shall meet the following:

Sieve Size	Minimum Percent Passing
3 in. (75mm)	100
2 in. (50mm)	95
No. 4 (4.75 mm)	55
No. 200 (0.075 mm)	5

Hydraulic cement, in either dry or slurry form, shall be added to the reclaimed mixture as determined by the mix design provided by the engineer. Slurry made from hydraulic cement shall contain a minimum of 30 percent dry solids content. Cement used for full depth reclamation shall comply with the latest specifications for hydraulic cement (AASHTO M 85, AASHTO M 240 or ASTM C150, ASTM C595). Obtain approval from the engineer for the process to be used for incorporating cement into the reclaiming process.

Water shall be added to achieve the desired moisture content. Water added shall be clean and free from deleterious concentrations of oils, acids, alkalis, salts, sugars, vegetation, as well as other organic, chemical or deleterious substances. The water shall not cause an adverse effect on either the cementitious stabilizer or the reclaimed mixture. If the water is of questionable quality, it shall be tested according to AASHTO T 26, ASTM C1602 or according to local standards and procedures.

Water will be paid for separately under bid item 624.0100 Water.

B.1. Equipment

The FDR equipment shall be capable of pulverizing the existing HMA and underlying materials. The equipment used for blending/mixing the pulverized materials with stabilizer, water, additives and corrective aggregate, if used, shall be capable of producing a homogeneous and uniformly blended reclaimed mixture. The equipment used for placement of the FDR stabilized base shall be capable of placement to the lines, grades, and guidelines provided herein and shown on the plans. The equipment shall consist of the following major components:

B.1.1 Spreaders/Distributors

Spreaders or distributors used to apply dry powder stabilizers and/or additives shall be non-pressurized mechanical vane-feed, cyclone or screw type capable of providing a consistent, accurate and uniform distribution of material while minimizing dust during construction. Imported corrective aggregate may be placed by a mechanical spreader, a conventional paver, or by tailgating with end dump trucks and spread to a uniform thickness with a motor grader.

B.1.2 Additive Slurry Storage and Supply Equipment

Slurry shall be produced using onsite portable batching equipment or inline processed and fed directly to the reclaiming equipment. Additive slurry storage and supply equipment shall have agitators or similar equipment to keep the slurry in suspension when held in the slurry batch or storage tanks. Slurry shall be kept in suspension during transport using agitator equipment.

B.1.3 Mixing/Reclaiming Equipment

Only self-propelled, high powered, rotary mixers/reclaimers capable of mixing in-place to the minimum depth specified shall be used. The cutting drum shall be fitted with cutting teeth capable of trimming earth, aggregate and HMA and be so designed that they may be accurately adjusted vertically and held in-place. The machine shall not weigh less than 25,000 lbs. and shall have the strength and rigidity so that it shall not develop a center deflection of more than 1/8 inch. Disc harrows, bucket teeth and other equipment that does not meet the above requirements should not be used for FDR.

The mixer/reclaimer shall be fitted with an integrated water injection system capable of introducing the water into the cutting drum during the mixing process. The metering device shall be capable of automatically adjusting the flow of water to compensate for any variation in the amount of reclaimed material introduced into the mixing chamber. Water shall be calculated on a volumetric basis tied to a foot per minute gauge using a calibrated meter that is capable of accurately measuring the amount of water to within a tolerance of ± 10 percent of the rate required. Automatic digital readings shall be displayed for both the flow rate and total amount of reclaimed material and water in appropriate units of weight and time

B.1.4 Motor Grader

A motor grader for pre-shaping, aerating, spreading and final shaping of the material shall be provided. The motor grader shall have a cross slope indicator.

B.1.5 Rollers

Compacting of the reclaimed mix shall be completed using self-propelled rollers, complete with properly operating scrapers and water spray systems. The number, weight and types of rollers shall be as necessary to obtain the required compaction throughout the entire FDR thickness. A pneumatic roller of adequate size, a vibratory padfoot roller, and a single or double drum vibratory steel roller with a 10-ton minimum weight may be used in any combination to achieve density.

B.1.6 Water Truck

Water truck(s) for supplying water to the reclaimer or roadway for addition of moisture, and for curing during the FDR operation shall be provided. The water truck(s) shall be capable of providing a controlled and consistent spray without eroding or otherwise damaging the compacted FDR stabilized base surface.

C Construction

Adjustments may be made to the cementitious stabilizer, water, and additives to produce a reclaimed mixture with optimal performance that meets specification requirements. All adjustments must be recorded and submitted to the engineer.

C.1 Roadway Preparation

Before the stabilization process begins, the area to be stabilized shall be pre-pulverized, graded, and/or shaped to the lines and grades as shown on the drawings. During this process any unsuitable soil or material shall be removed and replaced with acceptable material as determined by the engineer. The subgrade shall be firm and able to support, without yielding or subsequent settlement, the construction equipment, and the compaction of the FDR stabilized base. Soft or yielding subgrade shall be corrected and made stable before construction proceeds. The corrected areas will be paid separately under bid item SPV.0035.02 Base Repair for FDR Layer. Any manholes, valve covers, or other buried structures/utilities shall be protected from damage prior to processing. FDR shall be constructed in a series of parallel lanes such that longitudinal and transverse joints are minimized.

C.2 Weather Limitations

FDR processing shall not be conducted when the soil, aggregate or subgrade is frozen, or when the ambient temperature is below 35°F (2°C) or when freezing temperatures are anticipated within seven days of the end of FDR placement.

C.3 Control Strip

During the first day of production, a control strip shall be conducted to verify that the construction process meets the requirements as specified. The control strip shall be of adequate size for the contractor to:

- Demonstrate the equipment, materials, and processes proposed can produce a reclaimed material layer that conforms to specification requirements.
- Determine the optimal rates for cementitious stabilizer, water, and any additives recommended for the reclaimed material.
- Determine the sequence and manner of rolling necessary to obtain the specified density requirements.

FDR operations may continue through the first day, unless the contractor's equipment and process fail to meet the requirements for successful completion of FDR operations. FDR operations shall not continue beyond the first day unless a control strip has been approved by the engineer. Control strips that do not meet specification requirements shall be reworked, recompacted, or removed and replaced at the contractor's expense. Upon acceptance of the control strip by the engineer, the contractor shall use the same equipment, materials, and construction methods for the remainder of FDR operations, unless adjustments made by the contractor are approved by the engineer. If adjustments are made, the contractor shall produce a new control strip.

C.4 Pulverization

The pre-determined full depth of HMA, base and/or subgrade soils shall be pulverized to a homogenous mixture and the specified gradation using a mixer/reclaimer. The mixture shall be brought to the desired moisture content during this process by means of surface application or through the mixer/reclaimer's integrated fluid injection system.

Longitudinal joints between successive cuts shall overlap a minimum of 6 inches (150 mm) and transverse joints shall overlap a minimum of 2 feet. When a paving fabric is encountered during the pulverizing operation, the contractor shall make the necessary changes in equipment or operations so that incorporation of shredded fabric into the reclaimed material does not affect the performance parameters or inhibit placing or compaction of the FDR stabilized base. The contractor shall be required to remove and properly dispose of oversized pieces of paving fabric.

Rubberized crack filler, pavement markers, loop wires, thermoplastic markers and other similar materials shall be removed from the roadway as observed during the reclaiming process. Residual materials that

cannot be completely removed from the processed materials may be incorporated if the contractor can demonstrate that those added materials will not adversely affect the performance of the FDR stabilized base. Any such materials retained in the mix shall be appropriately sized and blended so as not to adversely affect the appearance or strength of the FDR stabilized base.

C.6 Cementitious Application and Mixing

Removal and disposal of excess material, if required, should be performed on the pulverized HMA, base and subgrade soil prior to cementitious treatment. Following pulverization and any trimming, if necessary, the cementitious material shall be spread on, or applied to, the pulverized material according to the mix design using an approved spreader/distributor at the following applied rates:

Item	Applied Rate (lbs/yd ²)
SPV.0180.01	50.25
SPV.0180.02	33.50

The applied rates are based on a dry unit weight of 134.0 pcf of pulverized material for the depths of treatment specified and shown on the plans. The actual final dry unit weight of pulverized material and applied rate of cementitious material will be provided by engineer prior to construction. The cementitious stabilizer shall be applied to within a tolerance of ± 5 percent of the rate required. The compressive strength at 7 days (based on accelerated curing at 100°F) should be on the order of 300 psi, ASTM D1633, Method A, using the Modified Compaction Method and the five lifts requirement replaced with three lifts when using a 4-inch mold for compressive strength testing.

Dust control measures shall be employed to minimize fugitive dust. The distance between the spreader and the reclaiming operation shall be reduced appropriately during windy days with dry stabilizer. The contractor shall provide the owner agency with batch or inline production logs daily. In no case shall the dry stabilizer or slurry be allowed to remain exposed at the end of the workday. No traffic other than the reclaiming equipment shall be allowed to pass over the spread stabilizer or any corrective aggregate until the reclaiming operation is complete.

The first contact of cementitious stabilizer with water to application on the subgrade shall not exceed 60 minutes. The time from cementitious stabilizer placement to start of mixing shall not exceed 30 minutes. If using dry stabilizer, water application shall only be added through the mixer/reclaimer's integrated fluid injection system during mixing. Mixing shall be performed while introducing water into the pulverized material through the metering device on the mixer. After completion of the first pass, the road shall be shaped with a motor grader and compacted with a steel wheel roller to provide better depth control. After grading and rolling, proof roll the road and correct any soft or yielding areas as directed by engineer. Paid for separately under bid item SPV.0035.02 Base Repair for FDR Layer. A second pass of the reclaimer shall be completed with the required amount of stabilizer added. If necessary, water shall be added to the pulverized material during mixing to bring the moisture content to within minus 2 to plus 1 percent of the optimum moisture content (-2 to +1 of OMC) determined according to ASTM D558/AASHTO T134 using the Modified Compaction Method to ensure chemical action of the cementitious stabilizer and processed materials. Mixing shall continue until the entire mixture, RAP, base and/or subgrade soil is pulverized, and gradation requirements are met. The final check for gradation shall not be made until the conclusion of mixing operations. The entire operation of cementitious stabilizer spreading, water application, and mixing shall result in a uniform pulverized base, stabilizer, and water mixture for the full design depth and width.

Longitudinal joints between successive passes shall overlap a minimum of 6 inches (150 mm) and transverse joints shall overlap a minimum of 2 feet.

To ensure a uniformly treated section, any material/soil around manholes, utility risers, valves and adjacent to curbs/gutters or in corners, shall have that material/soil pulled out to the depth of treatment and placed where it is accessible for mixing. After that material is mixed it shall be replaced and compacted.

C.7 Compaction

The contractor shall sequence operations such that compaction shall begin no more than 20 minutes after mixing or immediately upon achieving gradation and moisture requirements. All compaction operations shall be completed within 2 hours from start of mixing operations. No section shall be left undisturbed for more than 30 minutes during compaction operations. At the start of compaction, the moisture content shall be within -2 to +1 percent of the specified optimum moisture content (ASTM D558/AASHTO T134). The mixed material shall be uniformly compacted in one layer to a minimum of 95 percent of the maximum dry density determined according to ASTM D558/AASHTO T134 using the Modified Compaction Method based on a moving average of five consecutive tests, with no test below 93 percent. Field density of compacted material may be determined by nuclear method in the direct transmission mode (AASHTO T 310, ASTM D6938). Compact the reclaimed area in a single lift.

C.8 Finishing and Surface Tolerance

As compaction nears completion, the surface of the FDR stabilized base shall be shaped to the specified lines, grades and cross sections. Compaction shall then be continued until uniform and adequate density is achieved. During the finishing process the surface shall be kept moist by means of water spray devices that shall not erode the surface. Compaction and finishing shall be performed in such a manner so as to produce a surface free of compaction planes, cracks, ridges or loose material. The surface tolerance shall not vary more than 1/2-inch (12 mm) from a 10-foot (3.0-m) straight edge placed on the surface. The contractor shall correct humps exceeding this tolerance by trimming, milling or abrasive grinding. Feathering shall not be permitted for repair of low areas. Depressions exceeding the specified depth tolerance shall have a tack coat applied and filled with cold mix, recycled mix, warm mix asphalt or HMA just prior to placement of the final surfacing. All finishing operations shall be completed within 4 hours from start of mixing. However, trimming (cuts only) can be completed within 24 hours of mixing

C.9 Traffic

Completed portions of FDR stabilized base can be opened immediately to low speed local car traffic and to construction equipment, provided the curing material is not impaired. Finished portions of the FDR stabilized base that are traveled on by construction equipment used in constructing an adjoining section shall be protected in such a manner so as to prevent equipment from marring or damaging completed work. It may be necessary to keep heavy truck traffic off the stabilized base until the final surfacing is placed, and/or the stabilized base has passed proof roll testing. It is recommended that proof rolling represent the type of traffic expected on the pavement. If deformation does not occur, moving truck traffic can be allowed until the final surfacing is placed. If deformation does occur, truck traffic shall be kept off until the stabilized base is firm enough to support the loads.

C.10 Maintenance

After opening to traffic, and prior to placing the surface course, the surface of the FDR stabilized base shall be maintained in a condition suitable for the safe movement of traffic. The contractor shall protect and maintain the surface from nuisance water, other deleterious substances, and/or any other damage. Any damage to the completed FDR stabilized base shall be repaired by the contractor prior to the placement of the final surfacing. If it is necessary to replace any processed material, the replacement shall be for full depth, with vertical cuts, using an approved material. Skin patches shall not be permitted. No direct payment shall be made and costs shall be included elsewhere for protection and maintenance of the stabilized base.

C.11 Surfacing

Final surfacing (HMA, seal coat, or concrete) can be placed any time after finishing, as long as the FDR stabilized base is sufficiently stable (proof roll) to support the required construction equipment without marring or permanent distortion of the surface.

Quality Assurance Testing

Quality assurance sampling, testing, and management control shall be conducted by the contractor to ensure that FDR conforms to the project specifications. All quality assurance testing results will be submitted to the engineer within 10 days of construction.

D Measurement

The department will measure Full Depth Reclamation (Depth) by the square yard, acceptably completed. The department will measure Stabilizing Agent Hydraulic Cement by the tonnage, acceptably completed.

E Payment

The department will pay for measured quantity at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.01	Full Depth Reclamation 12-Inch	SY
SPV.0180.02	Full Depth Reclamation 8-Inch	SY
SPV.0195.01	Stabilizing Agent Hydraulic Cement	TON

Payment is full compensation for work associated with full depth reclaiming; for pulverizing, mixing, blending, placing, compacting and curing of the FDR stabilized base; for providing cementitious stabilizing agents; for protection and maintenance of the FDR stabilized base; for obtaining measurements and recording results of all tests. Payment for water will be paid separately.

16. Base Repair for FDR Layer, Item SPV.0035.02.

A Description

This special provision describes base repair for Full Depth Reclamation (FDR) layer in accordance with standard spec 211, and as hereinafter provided.

B (Vacant)

C Construction

After any contract required pre-pulverization of full depth reclamation material, the engineer and contractor shall visually inspect the surface for yielding areas.

Repair yielding areas prior to the FDR process. Excavate identified yielding areas to a maximum of 2 feet and repair with base aggregate dense 1 1/4-inch.

D Measurement

The department will measure Base Repair for FDR Layer by the cubic yard, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0035.02	Base Repair for FDR Layer	CY

Payment is full compensation for removing and excavating areas of base to a maximum of 2 feet; providing, placing, and compacting base aggregate dense 1 1/4-Inch; and traffic control.

Schedule of Items

Attached, dated November 3, 2022, are the revised Schedule of Items Page 4.

Plan Sheets

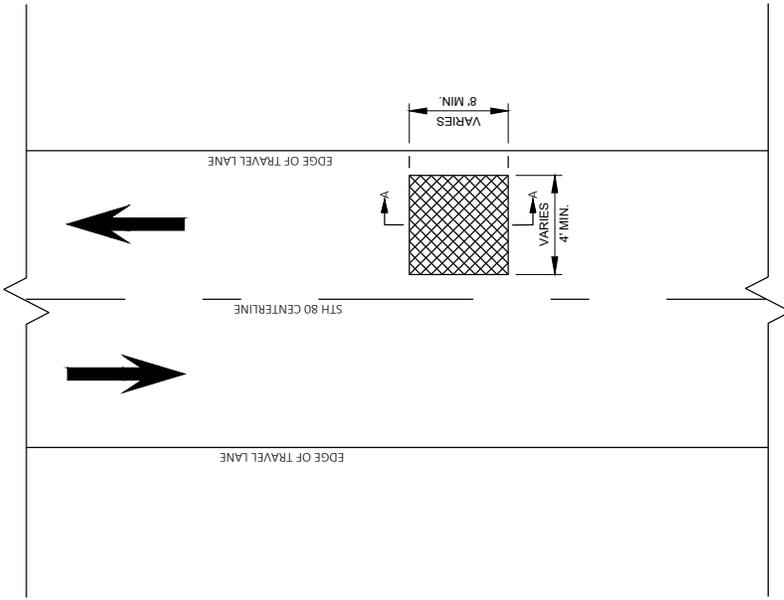
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 14 and 15 (ID4994-01-35) and 9 and 10 (ID 4994-01-39)

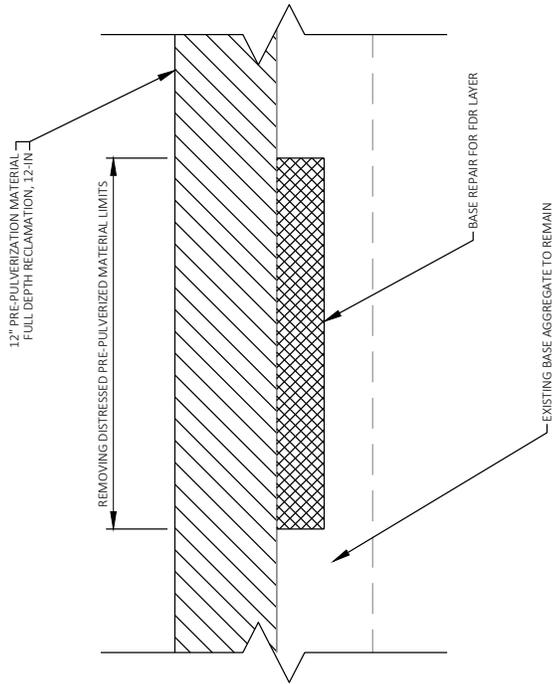
Added: 7A (ID 4994-01-35) and 4A (ID 4994-01-39)

END OF ADDENDUM

NOT TO SCALE



PLAN VIEW



SECTION A -A

BASE REPAIR FOR FDR LAYER

EXACT LOCATION AND LIMITS OF REMOVING DISTRESSED PAVEMENT MILLING TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

Addendum No. 02
 ID 4994-01-35
 Added Sheet 7A
 November 3, 2022

PROJECT NO: 4994-01-35

HWY: SOUTH WASHBURN STREET

COUNTY: WINNEBAGO

CONSTRUCTION DETAILS

SHEET 7A

E

FILE NAME: S:\WAD\1300-1399\1382\085\DRAWINGS\CAD\CIVIL_3D\SHEETS\PLANSET 1 - WASHBURN ON IY021000-CD.DWG

PLOT DATE: 11/2/2022 10:05 AM

PLOT NAME:

PLOT SCALE: 1 IN=30 FT

WISDOT/CADDIS SHEET 42

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	LOCATION	SY	REMARKS
0010	11+58 - 47+03	L/R/T	1,200	FOR DRIVEWAYS

REMOVING GUARDRAIL

CATEGORY	STATION	LOCATION	LF
0010	24+56 - 24+96	RT	40

FINISHING ROADWAY

CATEGORY	PROJECT	EACH
0010	01.4994-01-35	1

BASE AGGREGATE DENSE SUMMARY

CATEGORY	STATION	LOCATION	TON	REMARKS
0010	11+58 - 47+03	R/T/L	1,340	FOR SHOULDERS

ASPHALT ITEMS SUMMARY

CATEGORY	STATION	LOCATION	GAL	TON	RT/LT	TON
0010	11+58 - 47+03	R/T/L	975	2,340		200

MAINTENANCE AND REPAIR OF HAUL ROADS

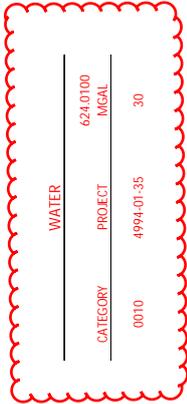
CATEGORY	PROJECT	EACH
0020	01.4994-01-35	1

MOBILIZATION

CATEGORY	PROJECT	EACH
0010	4994-01-35	0.55

FIELD OFFICE TYPE C

CATEGORY	PROJECT	EACH
0010	4994-01-35	0.55



EROSION CONTROL SUMMARY

CATEGORY	STATION	LOCATION	EACH	RT/LT
0010	11+58 - 47+03	R/T/L	3	1
0010	11+58 - 47+03	R/T/L	3	4

SIGNING SUMMARY

APPROXIMATE CATEGORY	STATION	LOCATION	CODE	SIGN MESSAGE	IN	REMARKS
0010	24+56	RT	W5-52L	CLEARANCE STRIPPER DOWN RIGHT	...	1
0010	24+78	RT	W1-7	NIGHT ARROW (DOUBLE)	...	1
0010	24+96	RT	W5-52L	CLEARANCE STRIPPER DOWN RIGHT	...	1
TOTALS						3

SIGNING SUMMARY

CATEGORY	STATION	LOCATION	EACH	RT/LT
0010	11+58 - 47+03	R/T/L	1,560	200

EROSION CONTROL SUMMARY

CATEGORY	PROJECT	EACH
0010	01.4994-01-35	1

Addendum No. 02
ID 4994-01-35
Revised Sheet 14
November 3, 2022

TRAFFIC CONTROL

643.0420		643.0705		643.0900	
TRAFFIC CONTROL BARRICADES TYPE III		TRAFFIC CONTROL WARNING LIGHTS TYPE A		TRAFFIC CONTROL SIGNS	
CATEGORY	LOCATION	DURATION	QTY	DAY	DAY
0010	ADVANCE WARNING DETOUR	52	10	520	1040
		52	20	1040	29
			112	5824	7.322
TOTALS					

MARKING LINE SUMMARY

646.1020		646.3020		646.6120	
MARKING LINE EPOXY 4-INCH (YELLOW SKIP)		MARKING LINE EPOXY 8-INCH (WHITE)		MARKING STOP LINE EPOXY 18-INCH (WHITE)	
CATEGORY	STATION	STATION	LOCATION	LOCATION	LOCATION
0010	11+02	12+04	RT/LT	105	---
	25+22	46+55	RT/LT	---	---
	11+02	25+22	RT/LT	2,840	---
	46+55	48+31	RT/LT	350	---
	11+02	LT	---	---	33
SUBTOTALS				3,190	105
TOTALS				3,725	105

TRAFFIC CONTROL

CATEGORY	PROJECT	EACH
0010	4994-01-35	0.55

CONSTRUCTION STAKING RESURFACING REFERENCE

CATEGORY	STATION	STATION	LF
0010	11+58	47+03	3,545

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	PROJECT	EACH
0010	01-4994-01-35	1

SAWING ASPHALT

CATEGORY	STATION	STATION	LOCATION	LF
0010	11+58	47+03	RT/LT	490

EXCESS FULL DEPTH RECLAMATION MATERIAL

CATEGORY	STATION	STATION	LOCATION	CY
0010	11+58	47+03	RT/LT	320

BASE REPAIR FOR FDR LAYER

CATEGORY	STATION	STATION	LOCATION	CY
0010	11+23	47+30	RT/LT	480

ADJUSTING SANITARY MANHOLE COVERS

CATEGORY	STATION	STATION	LOCATION	EACH
0020	11+58	47+03	RT/LT	2

ADJUSTING WATER VALVE MANHOLE COVERS

CATEGORY	STATION	STATION	LOCATION	EACH
0020	11+58	47+03	RT/LT	2

ADJUSTING WATER VALVE BOXES

CATEGORY	STATION	STATION	LOCATION	EACH
0020	11+58	47+03	RT/LT	2

FULL DEPTH RECLAMATION 12-INCH

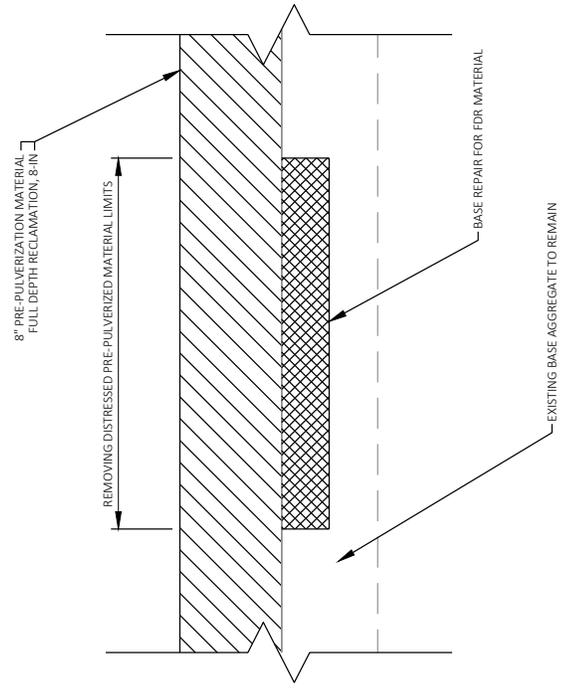
CATEGORY	STATION	STATION	LOCATION	SY
0010	11+58	47+03	RT/LT	9,620

Addendum No. 02
ID 4994-01-35
Revised Sheet 15
November 3, 2022

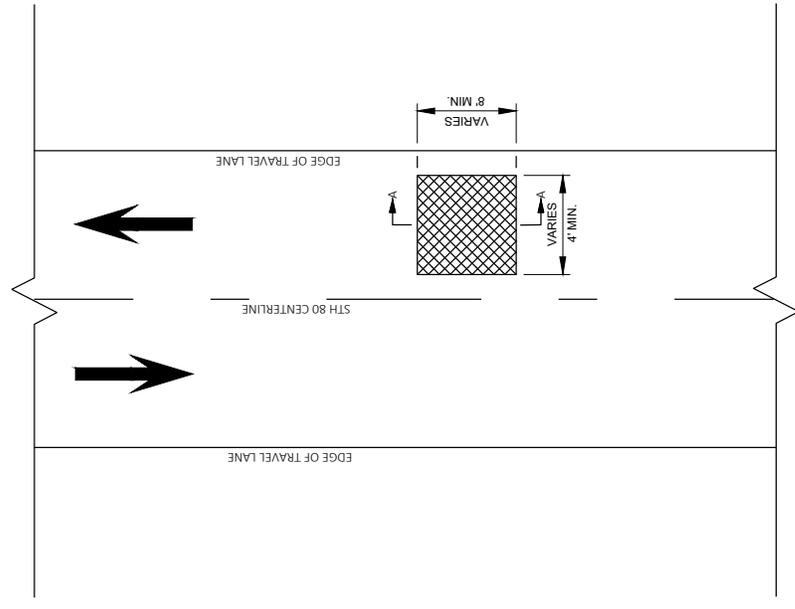
STABILIZING AGENT HYDRAULIC CEMENT

CATEGORY	STATION	STATION	LOCATION	TON	REMARKS
0010	11+58	47+03	RT/LT	240	

NOT TO SCALE



SECTION A -A



PLAN VIEW

Addendum No. 02
 ID 4994-01-39
 Added Sheet 4A
 November 3, 2022

BASE REPAIR FOR FDR LAYER
 EXACT LOCATION AND LIMITS OF REMOVING DISTRESSED PAVEMENT MILLING
 TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 4994-01-39	COUNTY: WINNEBAGO	SHEET 4A	E
FILE NAME: S:\WAD\1390-1399\1392\087\DRAWINGS\CAD\CIVIL_3D\SHEETS\PLAN\02\001-CD.DWG	HWY: OSBORN AVENUE	CONSTRUCTION DETAILS	
	PLOT DATE: 11/2/2022 5:16 PM	PLOT BY: DECENT, ZACH	
		PLOT NAME:	
		PLOT SCALE: 1 IN.=30 FT	

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION	LOCATION	SY	REMARKS
0010	11+23 - 47+30	LT/RT	125	FOR DRIVEWAYS

FINISHING ROADWAY

CATEGORY	PROJECT	QUANTITY	UNIT
0010	02.4994-01-39	1	EACH

ASPHALT ITEMS SUMMARY

CATEGORY	STATION	LOCATION	UNIT	QUANTITY	UNIT	QUANTITY	UNIT
0010	11+23 - 47+30	RT/LT	RT/LT	1,080	1,940	1,510	21
				TACK		465.0605	
				COAT		460.6223	
				3 MT 58-28 S		460.6224	
				4 MT 58-28 S		465.0120	
				FIELD ENTRANCES		ASPHALTIC SURFACE DRIVEWAYS AND	

ADJUSTING INLET COVERS

CATEGORY	STATION	LOCATION	QUANTITY	UNIT
0010	11+23 - 47+30	RT/LT	18	EACH

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	PROJECT	QUANTITY	UNIT
0020	01.4994-01-39	1	EACH

MOBILIZATION

CATEGORY	PROJECT	QUANTITY	UNIT
0010	01.4994-01-39	0.45	EACH

CATEGORY	PROJECT	QUANTITY	UNIT
0010	4994-01-35	40	M/GAL

WATER

CATEGORY	PROJECT	QUANTITY	UNIT
0010	4994-01-35	40	M/GAL

EROSION CONTROL SUMMARY

CATEGORY	STATION	LOCATION	QUANTITY	UNIT	DESCRIPTION		
0010	11+23 - 47+30	LT/RT	3	1	18	2	
				MOBILIZATIONS		628.1905	
				EROSION CONTROL		628.7010	
				INLET PROTECTION		628.7020	
				TYPE B		INLET PROTECTION	
				EACH		TYPE D	

FIELD OFFICE TYPE C

CATEGORY	PROJECT	QUANTITY	UNIT
0010	4994-01-39	0.45	EACH

Addendum No. 02
ID 4994-01-39
Revised Sheet 9
November 3, 2022

TRAFFIC CONTROL

CATEGORY	LOCATION	DURATION	643.0420		643.0705		643.0900	
			TRAFFIC CONTROL BARRICADES TYPE III	QTY	DAY	TRAFFIC CONTROL WARNING LIGHTS TYPE A	QTY	DAY	TRAFFIC CONTROL SIGNS	QTY	DAY
0010	ADVANCE WARNING	52	10	520	20	1040	20	1040
	DETOUR	52	...	...	...	...	40	2,080
TOTALS				520	2040	1040		3,120

TRAFFIC CONTROL

CATEGORY	PROJECT	EACH
0010	4994-01-39	0.45

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	PROJECT	EACH
0010	02.4994-01-39	1

BASE REPAIR FOR FDR LAYER		SPV.0035.01	
CATEGORY	STATION - LOCATION	LOCATION	TON
0010	11+23 - 47+30	RT/LT	730

PERMANENT MARKING SUMMARY

CATEGORY	STATION - LOCATION	646.1020		MARKING LINE EPOXY (TYPE 2)	MARKING LINE EPOXY (TYPE 2)	646.5020	MARKING SYMBOL	
		(YELLOW SKIP) (12.5 SEC. 37.5 GAP)	(WHITE)					(DOUBLE YELLOW)	(BIKE LINE SYMBOL)
0010	11+23 - 46+80	RT/LT	890	...	...	...	...
	11+23 - 45+54	RT	...	3,430	...	...	...
	11+23 - 29+88	LT	...	1,870	...	...	...
	30+66 - 47+19	LT	...	1,650	...	...	...
	46+80 - 47+30	RT/LT	...	...	100	...	...
	46+87 - 47+40	RT/LT	...	...	52	...	...
	11+23 - 46+80	RT/LT	...	...	...	...	15
	47+16	RT	...	...	1	...	...
SUBTOTALS			890	6,950	100	52	1	15
TOTALS				7,940		52	1	15

CONSTRUCTION STAKING RESURFACING REFERENCE

CATEGORY	STATION - LOCATION	LF
0010	11+23 - 47+30	3,607

SAWING ASPHALT

CATEGORY	STATION - LOCATION	LF
0010	11+23 - 47+30	305

FULL DEPTH RECLAMATION 8-INCH

CATEGORY	STATION - LOCATION	LOCATION	SY
0010	11+23 - 47+30	RT/LT	14,600

EXCESS FULL DEPTH RECLAMATION MATERIAL

CATEGORY	STATION - LOCATION	LOCATION	CY
0010	11+23 - 47+30	RT/LT	485

Addendum No. 02
ID 4994-01-39
Revised Sheet 10
November 3, 2022

STABILIZING AGENT HYDRAULIC CEMENT

CATEGORY	STATION - LOCATION	LOCATION	TON
0010	11+23 - 47+30	RT/LT	245



Proposal Schedule of Items

Proposal ID: 20221108039 Project(s): 4994-01-35, 4994-01-39

Federal ID(s): WISC 2023040, WISC 2023041

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	204.0110 Removing Asphaltic Surface	1,325.000 SY	_____.	_____.
0004	204.0165 Removing Guardrail	40.000 LF	_____.	_____.
0006	213.0100 Finishing Roadway (project) 01. 4994-01-35	1.000 EACH	_____.	_____.
0008	213.0100 Finishing Roadway (project) 02. 4994-01-39	1.000 EACH	_____.	_____.
0010	305.0110 Base Aggregate Dense 3/4-Inch	1,340.000 TON	_____.	_____.
0012	455.0605 Tack Coat	2,055.000 GAL	_____.	_____.
0014	460.2000 Incentive Density HMA Pavement	5,510.000 DOL	1.00000	5,510.00
0016	460.6223 HMA Pavement 3 MT 58-28 S	4,280.000 TON	_____.	_____.
0018	460.6224 HMA Pavement 4 MT 58-28 S	3,070.000 TON	_____.	_____.
0020	465.0120 Asphaltic Surface Driveways and Field Entrances	221.000 TON	_____.	_____.
0022	611.8115 Adjusting Inlet Covers	18.000 EACH	_____.	_____.
0024	618.0100 Maintenance And Repair of Haul Roads (project) 01. 4994-01-35	1.000 EACH	_____.	_____.
0026	618.0100 Maintenance And Repair of Haul Roads (project) 01. 4994-01-39	1.000 EACH	_____.	_____.
0028	619.1000 Mobilization	1.000 EACH	_____.	_____.
0030	624.0100 Water	72.700 MGAL	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20221108039 Project(s): 4994-01-35, 4994-01-39

Federal ID(s): WISC 2023040, WISC 2023041

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	628.1905 Mobilizations Erosion Control	6.000 EACH	_____.	_____.
0034	628.1910 Mobilizations Emergency Erosion Control	2.000 EACH	_____.	_____.
0036	628.7010 Inlet Protection Type B	18.000 EACH	_____.	_____.
0038	628.7020 Inlet Protection Type D	6.000 EACH	_____.	_____.
0040	634.0616 Posts Wood 4x6-Inch X 16-FT	1.000 EACH	_____.	_____.
0042	638.2102 Moving Signs Type II	1.000 EACH	_____.	_____.
0044	638.2602 Removing Signs Type II	2.000 EACH	_____.	_____.
0046	638.3000 Removing Small Sign Supports	3.000 EACH	_____.	_____.
0048	642.5201 Field Office Type C	1.000 EACH	_____.	_____.
0050	643.0420 Traffic Control Barricades Type III	1,040.000 DAY	_____.	_____.
0052	643.0705 Traffic Control Warning Lights Type A	2,080.000 DAY	_____.	_____.
0054	643.0900 Traffic Control Signs	10,452.000 DAY	_____.	_____.
0056	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0058	646.1020 Marking Line Epoxy 4-Inch	11,665.000 LF	_____.	_____.
0060	646.3020 Marking Line Epoxy 8-Inch	157.000 LF	_____.	_____.
0062	646.5020 Marking Arrow Epoxy	1.000 EACH	_____.	_____.
0064	646.5220 Marking Symbol Epoxy	15.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20221108039 Project(s): 4994-01-35, 4994-01-39

Federal ID(s): WISC 2023040, WISC 2023041

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0066	646.6120 Marking Stop Line Epoxy 18-Inch	33.000 LF	_____.	_____.
0068	650.8000 Construction Staking Resurfacing Reference	7,152.000 LF	_____.	_____.
0070	650.9911 Construction Staking Supplemental Control (project) 01. 4994-01-35	1.000 EACH	_____.	_____.
0072	650.9911 Construction Staking Supplemental Control (project) 02. 4994-01-39	1.000 EACH	_____.	_____.
0074	690.0150 Sawing Asphalt	794.000 LF	_____.	_____.
0076	740.0440 Incentive IRI Ride	5,390.000 DOL	1.00000	5,390.00
0078	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,400.000 HRS	5.00000	12,000.00
0080	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	1,200.000 HRS	5.00000	6,000.00
0082	SPV.0035 Special 01. Excess Full Depth Reclamation Material	805.000 CY	_____.	_____.
0084	SPV.0060 Special 01. Adjusting Sanitary Manhole Covers	2.000 EACH	_____.	_____.
0086	SPV.0060 Special 02. Adjusting Water Valve Manhole Covers	2.000 EACH	_____.	_____.
0088	SPV.0060 Special 03. Adjusting Water Valve Boxes	2.000 EACH	_____.	_____.
0090	SPV.0180 Special 01. Full Depth Reclamation 12-Inch	9,620.000 SY	_____.	_____.
0092	SPV.0180 Special 02. Full Depth Reclamation 8-Inch	14,600.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20221108039 Project(s): 4994-01-35, 4994-01-39

Federal ID(s): WISC 2023040, WISC 2023041

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0094	SPV.0035 Special 02. Base Repair for FDR Layer	1,210.000 CY	_____.	_____.
0096	SPV.0195 Special 01. Stabilizing Agent Hydraulic Cement	485.000 TON	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.