Antrim County Road Commission

DIETER AMOS, Kewadin
KEVIN GIAR, Bellaire
GODFREY "PETE" HOOGERHYDE, Elmira
BURT R. THOMPSON, P.E., Engineer-Manager

January 26, 2023

REQUEST FOR HMA PAVING BIDS No. 2 – EDDY SCHOOL ROAD

Sealed bids will be received until 1:00 PM, Monday, February 13, 2023, at which time they will be publicly opened and read. Bids shall be received at the office of the Antrim County Road Commission, PO Box 308, 319 E. Lincoln St, Mancelona, Michigan 49659-0308. Bids will be tabulated and a recommendation will be made to the Board of County Road Commissioners at their next regular meeting.

The Antrim County Road Commission (ACRC) requests bids for the following:

Eddy School Road (620): In Kearney Township, beginning at Derenzy Road thence east past Bush Road, approximately 23,707'. Project includes: trenching, crushing and shaping, adding aggregate base, culvert replacements, paving 4EL and 5EL HMA, placing aggregate shoulders, guardrail installation and permanent pavement markings in accordance with attached Log of Project, Existing and Proposed Road Sections (typicals) and Special Provisions.

All pay items shall be in accordance with 2020 MDOT Standard Specifications for Construction and as modified herein.

This project is using federal funds exchanged with MDOT as allowed by Public Act 49 of 2022. PA 49 requires compliance with federal wage and benefits schedule consistent with, and incorporating the requirements of, Section IV of Form FHWA 1273, revised May 1, 2012 (Davis-Bacon Wage Rates). Current federal wage a benefits schedule is attached. LCP Tracker will be used for wage compliance through Track CTC as described in the SP for Prevailing Wage and Labor Compliance System.

All mix shall contain PG 58 -28 liquid asphalt and shall comply with the enclosed Antrim County Road Commission Special Provision for Acceptance of HMA Mixture on Non-Federal Aid Projects 01/16/23. All traffic control shall be in accordance with the current MMUTCD part 6.

Bids must be submitted on the attached Itemized Bid Sheet.

All work shall be completed by September 30, 2023 unless otherwise agreed to by the contractor and road commission.

The successful bidder shall enter into a contract with and provided by the road commission.

Label bid "**EDDY SCHOOL ROAD BID**" plainly on the outside of a sealed envelope.

Burt R. Thompson, P.E.
Engineer-Manager

encl: Schedule of Items (Itemized Bid Sheet)
Location Map
Log of Project
Existing and Proposed Road Sections (1-5)
Detour Plan (1-3)
ACRC SP for Acceptance of HMA Mixture on Non-Federal Aid Projects 01/16/23
MDOT SP for Labor Compliance 20SP-107D-01
SP for Prevailing Wage and Labor Compliance System
Soil Boring Logs
MEGLE Permit
General Decision Number: MI20230001 01/06/2023 (Wage and Benefits Schedule)

Antrim County Road Commission
Schedule of Items (Itemized Bid Sheet)

Letting Date: Monday, February 13, 2023 1:00 PM

Contract ID:	459.2301
Location:	Eddy School Rd from Derenzy Rd east - 4.49 miles
Description:	Crush & Shape, Repave

Project Number:	459.2301	**Project Engineer:**	Burt Thompson
Estimate Number:	1	**Date Created:**	12/5/2022
Project Type:	Miscellaneous	**Fed/State #:**	
Location:	Eddy School Rd from Derenzy Rd east - 4.49 miles	**Fed Item:**	
		Control Section:	
Description:	Crush & Shape, Repave		

Instructions to Bidders:

IMPORTANT NOTICE:
If the proposal establishes a maximum price for any of the following work items, and if you bid a price higher than that maximum price, your bid will be considered to have quoted the maximum price and your bid total will be adjusted to reflect that maximum price.

If the proposal provides a specified price for any of the following work items, and if you bid a price higher or lower than that specified price, your bid will be adjusted to reflect that specified price.

If your bid is the lowest accepted bid, and if you refuse to accept the award of the contract due to the change in what you quoted as a maximum or specified price, you will forfeit your proposal guaranty.

Pay Item	Description	Quantity	Units	Unit Price		Bid Amount	
				Dollars	Cts	Dollars	Cts
1100001	Mobilization, Max $90000 Max	1	LSUM				
2030001	Culv, Rem, Less than 24 inch	2	Ea				
2030002	Culv, Rem, 24 inch to 48 inch	3	Ea				
2040020	Curb and Gutter, Rem	381	Ft				
2040050	Pavt, Rem	114	Syd				
2050011	Embankment, LM	768	Cyd				
2080036	Erosion Control, Silt Fence	1,900	Ft				
3020001	Aggregate Base	7,200	Ton				
3050002	HMA Base Crushing and Shaping	82,496	Syd				
3070021	Approach, Cl II	171	Ton				
3070121	Shld, Cl II	2,927	Ton				
3070200	Trenching	473	Sta				
4010095	Culv End Sect, Metal, 15 inch	2	Ea				
4010096	Culv End Sect, Metal, 18 inch	2	Ea				
4010099	Culv End Sect, Metal, 30 inch	2	Ea				
4010100	Culv End Sect, Metal, 36 inch	2	Ea				
4010200	Culv, Cl A, CSP, 15 inch	45	Ft				
4010201	Culv, Cl A, CSP, 18 inch	92	Ft				
4010204	Culv, Cl A, CSP, 36 inch	66	Ft				
4010305	Culv, Cl B, CSP, 30 inch	62	Ft				
4010308	Culv, Cl B, CSP, 48 inch	116	Ft				
5010008	Pavt for Butt Joints, Rem	96	Syd				

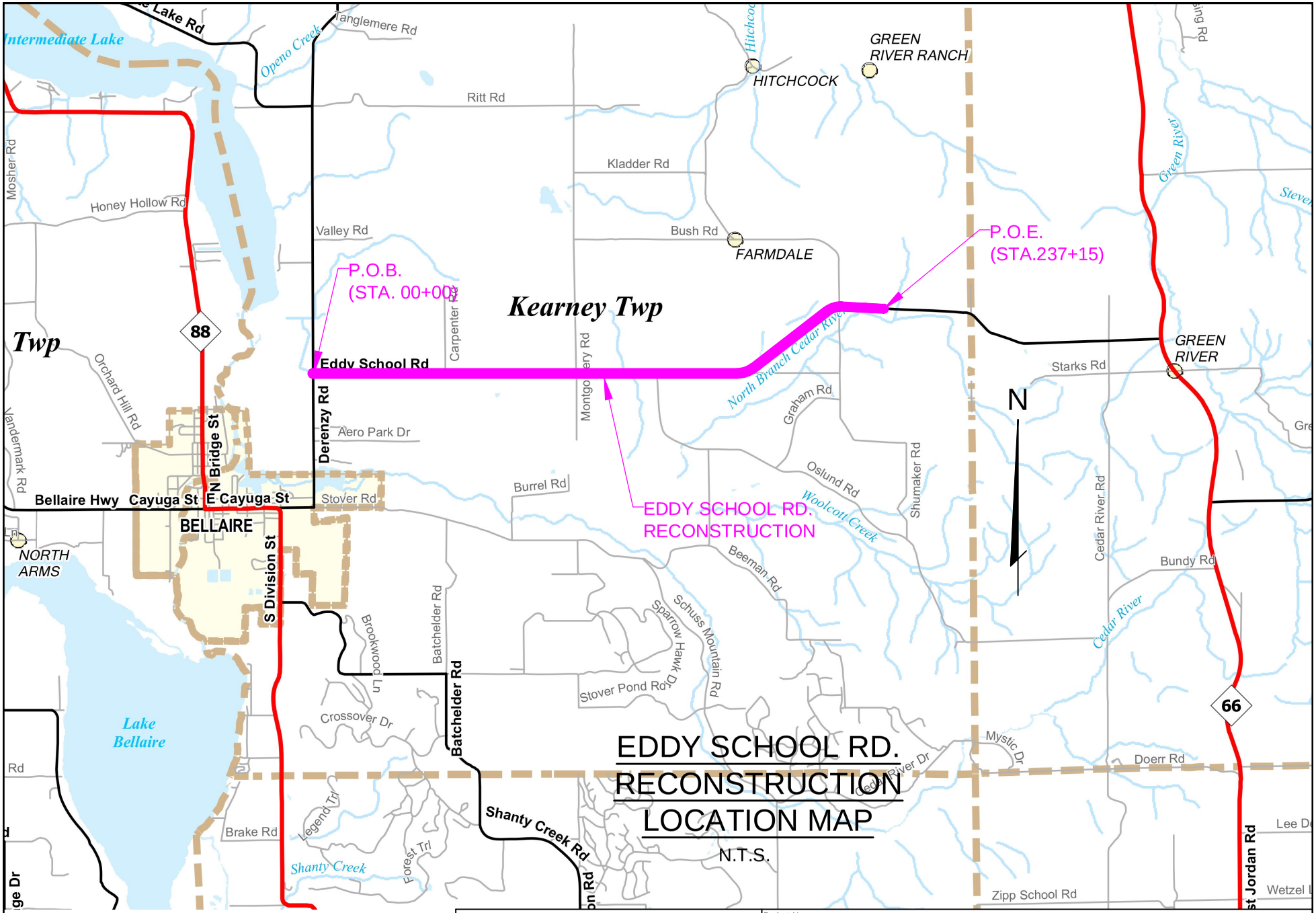
Pay Item	Description	Quantity	Units	Unit Price		Bid Amount	
				Dollars	Cts	Dollars	Cts
5010061	HMA Approach	471	Ton				
5012024	HMA, 4EL	8,270	Ton				
5012036	HMA, 5EL	6,237	Ton				
8020016	Curb and Gutter, Conc, Det B2	834	Ft				
8050010	Curb Slp, HMA	1,906	Ft				
8070044	Guardrail Approach Terminal, Type 2M	7	Ea				
8070052	Guardrail Departing Terminal, Type MGS	1	Ea				
8070080	Guardrail Reflector	88	Ea				
8072146	Guardrail, Curved, Type MGS-8, 108 inch Post	13	Ft				
8072180	Guardrail, Type MGS-8, 108 inch Post	2,000	Ft				
8110231	Pavt Mrkg, Waterborne, 4 inch, White	46,696	Ft				
8110232	Pavt Mrkg, Waterborne, 4 inch, Yellow	28,291	Ft				
8110351	Witness, Log, $1,250.00	1	Dlr				
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	18	Ea				
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	18	Ea				
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	50	Ea				
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	50	Ea				
8120140	Lighted Arrow, Type C, Furn	2	Ea				
8120141	Lighted Arrow, Type C, Oper	2	Ea				
8120170	Minor Traf Devices	1	LSUM				
8120264	Pavt Mrkg, Wet Reflective, Type NR, Tape, 4 inch, Yellow, Temp	3,794	Ft				

Pay Item	Description	Quantity	Units	Unit Price		Bid Amount	
				Dollars	Cts	Dollars	Cts
8120350	Sign, Type B, Temp, Prismatic, Furn	768	Sft				
8120351	Sign, Type B, Temp, Prismatic, Oper	768	Sft				
8120352	Sign, Type B, Temp, Prismatic, Spec, Furn	5	Sft				
8120353	Sign, Type B, Temp, Prismatic, Spec, Oper	5	Sft				
8120370	Traf Regulator Control	1	LSUM				
8130010	Riprap, Plain	108	Syd				
8140010	Paved Ditch, HMA	15	Syd				
8160020	Fertilizer, Chemical Nutrient, Cl A	421	Lb				
8160025	Mulch	11,577	Syd				
8160026	Mulch Anchoring	11,577	Syd				
8160027	Mulch Blanket	1,065	Syd				
8160039	Seeding, Mixture THM	526	Lb				
8160061	Topsoil Surface, Furn, 3 inch	11,577	Syd				
8210001	Monument Box	6	Ea				
8210010	Monument Preservation	6	Ea				
						Total Bid:	

Contractor: _____

_____ _____

(Signature) (Date)



ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

Project Name	EDDY SCHOOL RD RECONSTRUCTION	
Drawing	LOCATION MAP	
Date	Job Number	Drawing Number
01/12/2023	459.2301	1 of 1

PROJECT LOG

PROJECT LOCATION

The project is located on Eddy School Road in Kearney Township. The project begins at the intersection of Derenzy Rd. and Eddy School Road, station 0+00, P.O.B. and extends easterly to just past the Bush Road / Shumaker Road intersection, station 237+15, P.O.E.

PROJECT LENGTH = 4.49 Miles

GENERAL INFORMATION

Eddy School Road is a County Primary roadway with Prima Facie speed limits of 55 mph. In general, the existing road cross-sections consist of two 10 feet wide lanes with HMA and gravel shoulders of varying widths, HMA and concrete curbs. For specific locations, reference the plan details and typicals.

There are several intersecting roads located within the construction influence area (CIA). The stationing is approximate:

INTERSECTION	STATION		INTERSECTION	STATION
Derenzy Rd.	0+00 Lt & Rt P.O.B	|	Old 620	173+54 Rt
Carpenter Rd.	52+88 Lt	|	Shumaker Rd.	219+13 Rt
Montgomery Rd.	105+27 Lt & Rt	|	Bush Rd.	219+13 Lt
Oslund Rd.	137+40 Rt	|	P.O.E.	237+15

DESCRIPTION OF WORK AND DETAILS

The proposed improvements covered by this log / plans shall be done in accordance with these Bid Documents. Each pay item shall be constructed in accordance with the Michigan Department of Transportation 2020 Standard Specifications for Construction as amended and by Supplemental Specifications and Special Provisions herein.

The work consists of reconstructing and widening the existing roadway, which includes, Trenching, adding new Aggregate Base and blending during the HMA Base Crushing and Shaping as shown on the typical sections, plan details or as directed the Engineer. Other work includes, cross culvert removals and replacements, Concrete Curb & Gutter removal and replacement, Trenching, Aggregate Base, new guardrail, aggregate shoulders, turf restoration and placing permanent pavement markings.

TRAFFIC CONTROL and STAGING

All traffic control, temporary traffic control and traffic control devices and their usage shall conform to the 2011 edition of the Michigan Manual on Uniform Traffic Control Devices (MMUTCD).

The Contractor shall maintain access to all local residences and businesses at all times throughout the project in accordance with Section 812 of the Michigan Department of Transportation 2020 Standard Specification for Construction or as directed by the Engineer.

Staging

The project shall be constructed with two (2) road closure sections, with a different detour route for each road closed section to accommodate the culverts construction. Only **one** road closed section and detour will be allowed at a time. Each staged closures shall include at a minimum: culvert(s) removal and replacement, HMA Base Crushing and Shaping and the placement of the

HMA base / leveling course prior to changing closures. Only **one** culvert removal / replacement shall be allowed at a time. Road closures and detour routes are included in this project log.
The contractor will be responsible for constructing, maintaining and signing the detour routes during the replacement construction of the cross culverts. Traffic shall be rerouted as per detour included in this log / plans and or as directed by the Engineer.
The project also includes the removal and replacement of two other culverts located just east of Bush Rd. / Shumaker Rd intersection (sta 227+88+- & sta 233+43+-). These two should be constructed under a single lane closure.

The Contractor shall submit a work zone traffic control plan prior to beginning work and provide subsequent updates of the plans to the Engineer for approval prior to putting changes into effect. Traffic control signing quantities include the detour signing and one "Lane Closure Utilizing Traffic Regulators on a 2-Lane Undivided Roadway", no reduced speed typical.

Estimate of Quantities:

Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	18	Ea
Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	18	Ea
Channelizing Device, 42 inch, Florescent, Furn	50	Ea
Channelizing Device, 42 inch, Florescent, Oper	50	Ea
Lighted Arrow, Type C, Furn	2	Ea
Lighted Arrow, Type C, Oper	2	Ea
Minor Traffic Devices	1	LSUM
Pavt Mrkg, Wet Reflective, Type NR, Tape, 4 inch, Yellow, Temp	3,794	Ft
Sign, Type B, Temp, Prismatic, Furn	768	Sft
Sign, Type B, Temp, Prismatic, Oper	768	Sft
Sign, Type B, Temp, Prismatic, Spec, Furn	5	Sft
Sign, Type B, Temp, Prismatic, Spec, Oper	5	Sft
Traffic Regulator Control	1	LSUM

Temporary Signs.

A. Additional (8 ea) W20-1 (ROAD WORK AHEAD) signs are included in the quantities to be placed on all intersecting or adjacent roads where construction activities may be encountered. See Detour Sign Plan sheet for locations.

GENERAL PLAN NOTES

UTILITIES

Miss Dig / Underground Utility Notification

Contact MISS DIG System, Inc. for the protection of underground utilities and in conformance with MCL 460.721 et seq. by phone at 811 or 800-482-7171 or via the web at either elocate.missdig.org for single address or rte.missdig.org, a minimum of 3 working days prior to excavating, excluding weekends and holidays.

EARTHWORK

Earthwork quantities are computed based upon limited survey information. These quantities are for bidding purposes only and will be adjusted by the Engineer based upon actual field measurements.

SOIL EROSION MEASURES

Place appropriate soil erosion and sedimentation control measures prior to earth-disturbing activities. Place turf establishment items as soon as possible on potential erodible slopes as directed by the Engineer. Protect critical ditch grades with either sod or seed/mulch or mulch blanket as directed by the Engineer.

Estimate of Quantities:

Erosion Control, Silt Fence	1,900	Ft

PROJECT SPECIFIC NOTES & PROVISIONS

Curb and Gutter, Rem

Curb and Gutter, Conc, Det B2

Remove and construct concrete curb and gutter as per plan detail. Excavating and backfill for the construction of Curb and Gutter, Conc, Det B2 shall be included in the unit price "Curb and Gutter, Conc, Det B2". Cost for excavation and/or backfill under and behind curb shall be included in the unit price Curb and Gutter, Conc, Det B2". Restoration behind Curb and Gutter will be paid separately thru Restoration / Turf Establishment pay items.

Location

Sta 0+25 Lt & Rt	2 quadrants	Inters. Derenzy Rd., Remove & Replace
Sta 52+88 Lt	2 quadrants	Inters. Carpenter Rd., Install new
Sta 105+27 Lt	2 quadrants	Inters. Montgomery Rd., Install new
Sta 137+40 Rt	2 quadrants	Inters. Oslund Rd., Install new
Sta 219+13 Lt	2 quadrants	Inters. Bush Rd., Remove & Replace
Sta 219+13 Rt	2 quadrants	Inters. Shumaker Rd., Remove & Replace

Estimated quantity: 381 Ft (Curb and Gutter, Rem)
Estimated quantity: 834 Ft (Curb and Gutter, Conc, Det B2)

Pavt, Rem

Pavement removal for concrete residential drives. After pavement removal, shape and grade using aggregate base material to the proper grade. The cost of placing, shaping and compacting of the residential drives shall be included of other pay items. Aggregate base material used shall be paid for a at the unit price of the pay item, "Aggregate Base".
The drives shall be replaced with HMA and paid for as "HMA Approach".
Removal quantities were calculated to the right of way or working joint for estimating purpose.
Remove pavement at the following locations and/or as directed by the Engineer:

Location	**Description**	**Appox. Size (Syd)**
Sta 72+21 Lt	Res. Dr .	73
Sta 81+62 Lt	Res. Dr.	14
Sta 98+64 Lt	Res. Dr.	27

Estimated quantity: 114 Syd

PROJECT LOG

Aggregate Base

This work consists of constructing an aggregate base course on a surface approved by the Engineer. Aggregate base material shall be, Dense-Graded Aggregate 22A.
The work shall consist of placing Aggregate Base material (22A) across the existing pavement and then blending it in with underlying material during the HMA Crushing and Shaping operation.
Estimated 6,300 ton shall be spread evenly, or as directed by the Engineer, between station 0+12 to station 237+15. Additional Aggregate Base shall be placed in the superelevated sections for superelevation corrections. See superelevation table for quantities and locations. The intent of the added material is to aide in crown and slope correction and material displaced from the Trenching operation.

Estimated quantity: 7,200 ton (sta 0+12 to sta 237+15)

HMA Base Crushing and Shaping

This work consists of constructing new aggregate base from existing flexible pavement. Crush and shape the entire depth of the existing HMA and include a maximum of two (2) inch of the underlying aggregate base as per section 305 Standard Specifications for Construction and to the limits shown on the plan details and typicals herein or as directed by the Engineer.

Estimated quantity: 82,496 Syd (sta 0+12 to sta 237+15) incls. approaches: Carpenter Rd, Montgomery Rd., Oslund Rd., Bush Rd., Shumaker Rd.

Approach, Cl II

Approach Cl II work consists of resurfacing all the existing aggregate residential drives and approaches with Dense Graded Aggregate, 23A. All locations shall be constructed to be flush to the new roadway and shaped as directed by the Engineer. If more than 6 inches of depth of aggregate is required to achieve correct grade, embankment shall be placed prior. The cost of placing, shaping and compacting shall be included in the pay item, “Approach, Cl II”.
Sixty (60) total aggregate residential drives / approaches have been identified and the resurfacing quantities were calculated to the right-of way line.

Estimated quantity: 171 Ton

Shoulder, Cl II

This work consists of constructing aggregate shoulders on a prepared or existing surface with a Dense Graded Aggregate, 23A as per section 307 Standard Specifications for Construction and to the limits shown on the plan details and typicals and as directed by the Engineer, and as stated herein.

Estimated quantity: 2,927 Ton

Trenching

Construct trenches for shoulder and lane placement as per section 307 Standard Specifications for Construction and to the limits shown on the plan details and typicals herein or as directed by the Engineer.

Trenching shall be constructed prior to the crushing and shaping operations. The contractor shall take ownership of this excavated trench material and dispose in accordance with subsection 205.03.P at no cost to the Road Commission.

Estimated quantity: 473 Sta (Sta 0+64 to Sta 237+15 Lt & Rt)

Pavt for Butt Joints, Rem

Remove HMA surface as per section 501.03.C.3 Standard Specifications for Construction and to the limits shown on the plan details and typicals and as directed by the Engineer, and as stated herein.
The intended use of the Pavt for Butt Joint, Rem will be at, but not limited to, HMA residential drives (18 ea.).

Estimated quantity: 96 Syd

HMA, 4EL
HMA, 5EL
HMA Approach
Curb Slp, HMA

This work consists of providing and placing Hot Mix Asphalt (HMA) as per section 501 Standard Specification for Construction and the Special Provision for "HMA Mixture Acceptance" included in this bid document and to the limits shown on the plan details and typicals and as directed by the Engineer, and as stated herein.

Estimated Quantities:

Item	**Qty**	
HMA 4EL	8,270	Ton
HMA 5EL	6,237	Ton
HMA Approach	471	Ton
Curb Slp, HMA	1,906	Ft

Guardrail

This work consists of installing new guardrail at various locations. Install guardrail as per section 807 Standard Specifications for Construction and to the limits shown on the plan details and typicals and as directed by the Engineer, and as stated herein
Note: Station locations are approximate and shall be field adjusted as directed by the Engineer.
Curved Guardrail radius is an estimate, Contractor shall field verify radius prior to construction.

Location & Estimated Quantities

Sta 122+83+- Lt to sta 128+47+- Lt

Guardrail, Type MGS-8, 108 inch Post	462.5	Ft
Guardrail Approach Terminal, Type 2M	2	Ea
Guardrail Reflector	18	Ea

Sta 126+00 +- Rt to sta 129+76 +- Rt

Guardrail, Type MGS-8, 108 inch Post	312.5	Ft
Guardrail Approach Terminal, Type 2M	1	Ea
Guardrail Departing Terminal, Type 2M (19' Radius)	1	Ea **Field verify radius**
Guardrail, Curved, Type MGS-8, 108 inch Post (19' Radius)	13	Ft **Field verify radius**
Guardrail Reflector	12	Ea

Sta 225+56+- Rt to sta 236+43+- Rt

Guardrail, Type MGS-8, 108 inch Post	975	Ft
Guardrail Approach Terminal, Type 2M	2	Ea
Guardrail Reflector	40	Ea

Sta 226+36+- Lt to sta 230+06+- Lt

Guardrail, Type MGS-8, 108 inch Post	250	Ft
Guardrail Approach Terminal, Type 2M	2	Ea
Guardrail Reflector	10	Ea

Pavement Markings

The Contractor will witness and log the existing pavement markings to be replaced.
Exceptions and revisions to existing pavement markings:

- All traveled lanes will be striped at 11 feet wide, regardless of the existing pavement markings width.
- All striping width will be 4 inch.
- Location shall have centerline and edge line markings regardless of the existing pavement markings.

If the existing markings are found to conflict with the standard details for placing pavement markings, the contractor will notify the Engineer. The Contractor will provide a copy of the log to the Engineer prior to layout of the markings. This work will be paid as "*Witness, Log, $1,250.00*".

Estimated quantity:

Pavt Mrkg, Waterborne, 4 inch, White	46,696	Ft
Pavt Mrkg, Waterborne, 4 inch, Yellow	28,291	Ft
Witness, Log, $1,250.00	1.000	Dlr

Restoration / Turf Establishment

Establish turf in accordance to section 816 Standard Specifications for Construction and to the limits shown on the plan details and typicals and as directed by the Engineer, and as stated herein. Estimated quantities were calculated anticipating a minimal disturbance (2' wide) along both sides of the entire length of project and at concrete curb and gutter.

Estimated Quantities: (incls. culvert restoration.)

Topsoil Surface, Furn., 3-inch	11,577	Syd
Seeding Mixture, THM	526	Lb
Fertilizer, Chem Nutrient, Cl A	421	Lb
Mulch	11,577	Syd

Mulch Anchoring	11,577 Syd
Mulch Blanket	1065 Syd

Culverts

Remove existing culverts and install new culverts as per sections 401 Standard Specifications for Construction and to the limits shown on the plan details and typicals and as directed by the Engineer, and as stated herein.

A road closure with detour shall be utilized during the installation of the new culverts. See staging and detour plans included in this Project Log.

	LOCATION (INV#)(Approx. Depth of Cover, Ft.)				
	48+70 (8919) (10')	126+90 (439) (8')	179+56 (440) (10')	227+88 (8923) (15')	233+43 (8925) (10')
ITEM	Qty	Qty	Qty	Qty	Qty
Culv, Rem, Less than 24 inch	1 Ea				1 Ea
Culv, Rem, 24 inch to 48 inch		1 Ea	1 Ea	1 Ea	
Erosion Control, Silt Fence	300 Ft	300 Ft	300 Ft	300 Ft	300 Ft
Embankment, CIP		67 Cyd	248 Cyd		
Aggregate Base	30 Ton	30 Ton	45 Ton	45 Ton	30 Ton
Culv End Sect, Metal, 15 inch					2 Ea
Culv End Sect, Metal, 18 inch	2 Ea				
Culv End Sect, Metal, 30 inch				2 Ea	
Culv End Sect, Metal, 36 inch		2 Ea			
Culv, Cl A, CSP, 15 inch					45 Ft
Culv, Cl A, CSP, 18 inch	72 Ft				
Culv, Cl A, CSP, 36 inch		66 Ft			
Culv, Cl B, CSP, 30 inch				62 Ft	
Culv, Cl B, CSP, 48 inch			116 Ft		
Riprap, Plain	12 Syd	18 Syd	27 Syd	18 Syd	18 Syd
Fertilizer, Chemical Nutrient, Cl A	4 Lb	4 Lb	19 Lb	8 Lb	4 Lb
Mulch	107 Syd	107 Syd	530 Syd	214 Syd	107 Syd
Mulch Anchor	107 Syd	107 Syd	530 Syd	214 Syd	107 Syd
Mulch Blanket	107 Syd	107 Syd	530 Syd	214 Syd	107 Syd
Seeding, Mixture THM	5 Lb	5 Lb	24 Lb	10 Lb	5 Lb
Topsoil Surface, Furn, 3 inch	107 Syd	107 Syd	530 Syd	214 Syd	107 Syd

The intent of additional "Embankment, LM" is to flatten the front slopes (north side sta 179+56) and (north & south side sta 126+90) as directed by Engineer.

NOTE: Culvert at station 179+56, see EGLE permit WRP027869 v. 1, included in this project log for more construction details.

Embankment, LM

The intended use of Embankment, LM shall be for, but not limited to, the flattening of slopes as stated in the culvert construction, construction of the front slopes in the superelevation sections and backfilling behind concrete curb and gutter. The unit price for Embankment, LM includes the

cost of providing, hauling, placing and compacting the material at the required locations. The material provided for Embankment, LM shall meet the requirements of Granular Material, Class III.

Estimated quantity: 768 Cyd

Riprap, Plain

This work consists of the placing of stone at the spillway locations and culvert inverts in accordance of section 813 Standard Specifications for Construction and to the limits shown on the plan details and typicals and as directed by the Engineer, and as stated herein.
Riprap shall be natural stone or crushed lime stone. Crushed or broken concrete is **not** allowed. Riprap shall have footprint dimensions ranging from 8 inches to 16 inches and an in-place thickness of at least 8 inches.
The unit price for Riprap, Plain includes: Providing and placing the geotextile liner and excavation and disposal of surplus materials.

Estimated quantity: 108 Syd (See Paved Ditch, HMA & Culverts for locations)

Paved Ditch, HMA (Spillway)

This work consists of constructing Paved Ditches (Spillways) in accordance to section 814 Standard Specifications for Construction and to the limits shown on the plan details and typicals and as directed by the Engineer, and as stated herein.
The cost of excavating, shaping and disposal of surplus material shall be included in the unit price **Paved Ditch, HMA**.
For approximate locations for Paved Ditch, HMA, see miscellaneous details sheet.

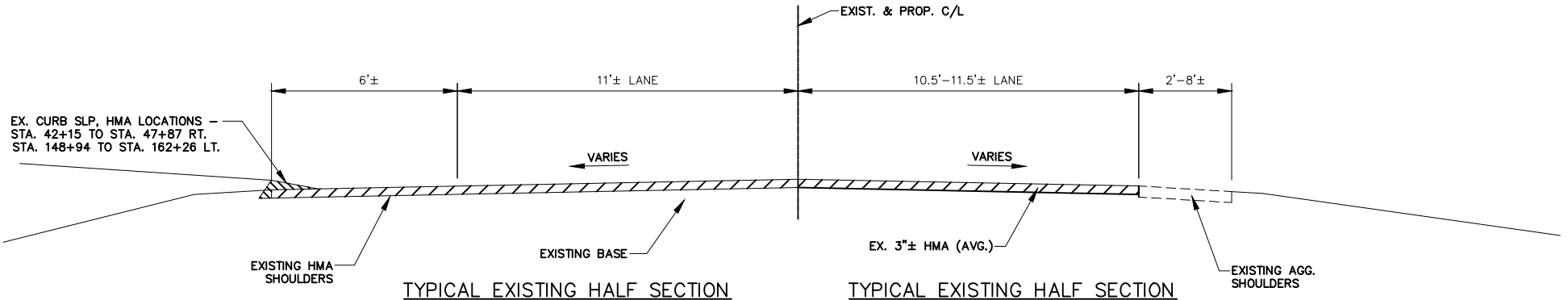
Estimated quantity: 15 Syd

Monument Box
Protect Corners

The intent of the pay items Monument Box, and Protect Corners, is to preserve and protect existing land monuments and property corners as listed herein, discovered during construction or as directed by the Engineer. This work shall be in accordance with section 821 Standard Specification for Construction and as directed by the Engineer.
Approximate locations of found land monuments:

Estimated quantity: 6 Ea

Location				
Sta 26+44	S ¼ Cor., Sec 17	|	Sta 131+34	S ¼ Cor Sec 15
Sta 52+88	SE Cor., Sec 17	|	Sta 157+43	SE Cor., Sec 15
Sta 105+25	SE Cor., Sec 16	|	Sta 219+12	E ¼ Cor., Sec 14

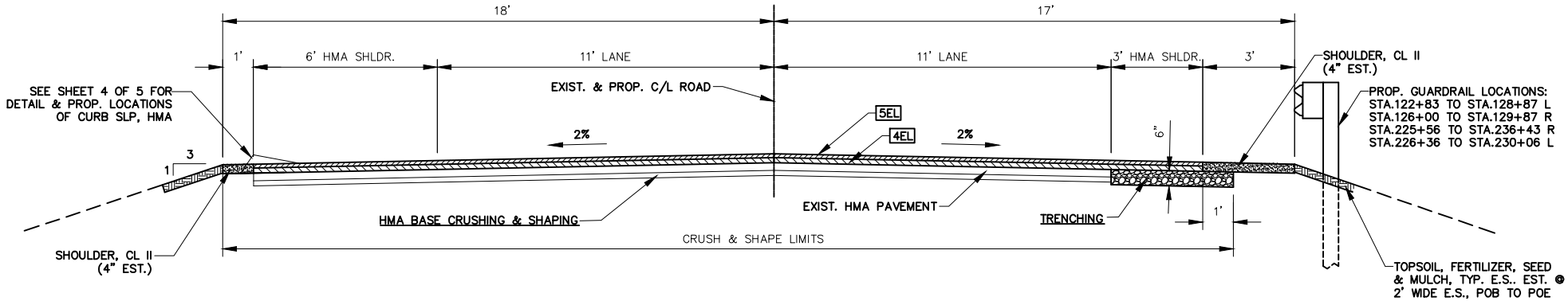


TYPICAL EXISTING HALF SECTION

STA. 42+14 TO STA. 48+00 RT.
STA. 145+08 TO STA. 163+41 LT. & RT.

TYPICAL EXISTING HALF SECTION

STA. 0+64 TO STA. 42+14 LT. & RT.
STA. 42+14 TO STA. 48+00 LT.
STA. 48+00 TO STA. 145+08 LT. & RT.
STA. 163+41 TO STA. 237+15 LT. & RT.



NOTE:
USE 1:10 TRANSITION FOR VARIED HMA SHOULDER WIDTHS.

TYPICAL HALF SECTION

STA. 39+76 TO STA. 48+12 RT.
STA. 80+57 TO STA. 84+55 LT.
STA. 145+08 TO STA. 163+56 LT. & RT.

HMA BASE CRUSHING & SHAPING
CRUSH & SHAPE EXISTING HMA PAVEMENT AND MAX. 2" EX. AGGREGATE BASE ALONG WITH NEW AGGREGATE BASE MATERIAL AND BLEND TOGETHER. APPROX. ADDITIONAL NEW AGGREGATE BASE APPLICATION RATE: 26.6 TON/STA.

TYPICAL HALF SECTION

STA. 0+64 TO STA. 39+76 LT. & RT.
STA. 39+76 TO STA. 48+12 LT.
STA. 48+12 TO STA. 145+08 LT. & RT.
STA. 163+41 TO STA. 169+00.87 LT. & RT.
STA. 178+00.68 TO STA. 212+79.92 LT. & RT.
STA. 221+52.53 TO STA. 237+15 LT. & RT.

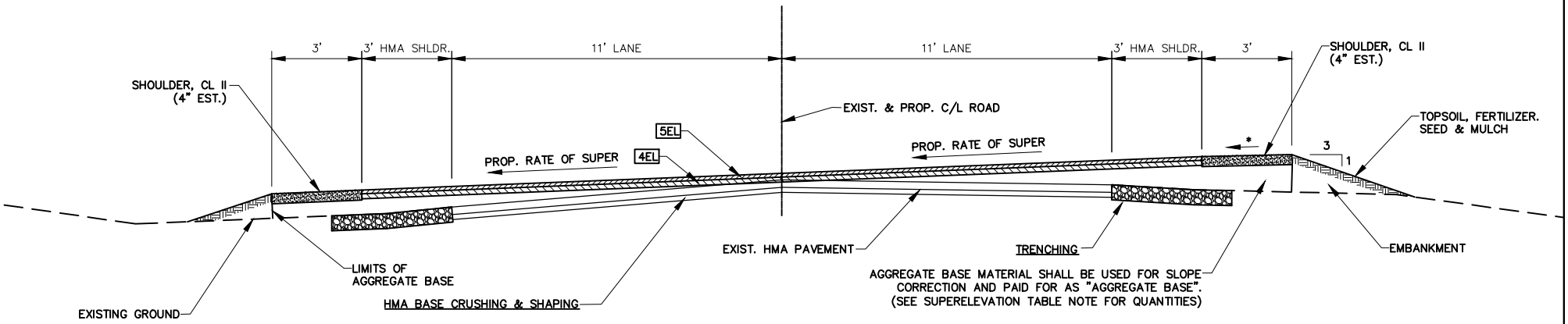
TRENCHING
TRENCH ALONG EXISTING PAVEMENT 6" DEEP BY 1' WIDER THAN PROPOSED HMA. SALVAGED TRENCH MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED OFF SITE & INCLUDED IN THE PAYMENT ITEM "TRENCHING".

HMA APPLICATION ESTIMATE

IDENT No.	ITEM	RATE PER SYD	PERFORMANCE GRADE	REMARKS
5EL	HMA, 5EL	165#	58 –28	TOP COURSE, AWI = 220
4EL	HMA, 4EL	220#	58 –28	LEVELING COURSE
HMA–A1	HMA APPROACH	385#	58 –28	4EL–220#, 5EL–165#
HMA–A2	HMA APPROACH	220#	58 –28	5EL – 1 COURSE
	BOND COAT	0.05–0.15 GAL/SYD	SS–1H, CSS–1H	FOR INFORMATION ONLY

ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

Project Name	EDDY SCHOOL RD. (620) RECONSTRUCTION	
Drawing	EXISTING & PROPOSED ROAD SECTIONS	
Date	Job Number	Drawing Number
01/12/2023	459.2301	1 of 5



NOTES:
SEE SUPERELEVATION TABLE (THIS SHEET) FOR LOCATIONS AND RATE OF SUPERELEVATION.
SEE PROPOSED PAVEMENT SECTIONS FOR LANE AND SHOULDER WIDTHS.

PROPOSED ROAD SUPERELEVATION SECTION

STA. 169+00.87 TO STA. 178+00.68 LT. & RT.
STA. 212+79.92 TO STA. 221+52.53 LT. & RT.

* HIGH SIDE AGGREGATE SHOULDER SLOPE SHALL VARY AS DERECTED BY ENGINEER, BUT SHALL NOT EXCEED −2%. LOW SIDE AGGREGATE SHOULDER SLOPE SHALL MATCH PROP. RATE OF SUPERELEVATION.

PROPOSED SUPERELEVATION TABLE

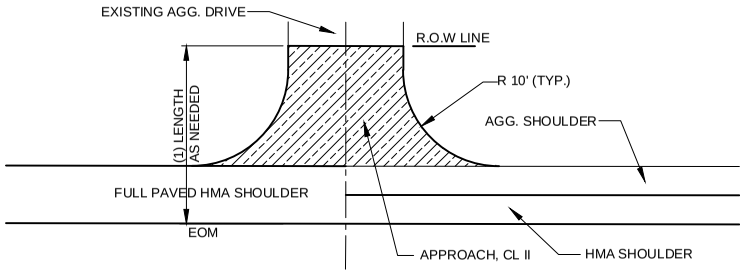
CURVE No.	STATIONING OF FULL SUPER.	RADIUS OF CURVE (FT)	RATE OF SUPER (%)	TRANSITION LENGTH (FT)	CROWN RUNOUT (FT)	ADVISORY SPEED (MPH)
1	STA. 171+04.87 TO STA. 175+96.68	900.00	6.00	153	51	50
2	STA. 214+83.92 TO STA. 219+48.53	800.00	6.00	153	51	45

NOTE:
THE ESTIMATED ADDITIONAL AGGREGATE BASE MATERIAL REQUIRED FOR EACH CURVE SUPERELEVATION IS AS FOLLOWS:

CURVE 1) 594 TONS TOTAL (100 TONS/STA)
CURVE 2) 302 TONS TOTAL (53 TONS/STA)

ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

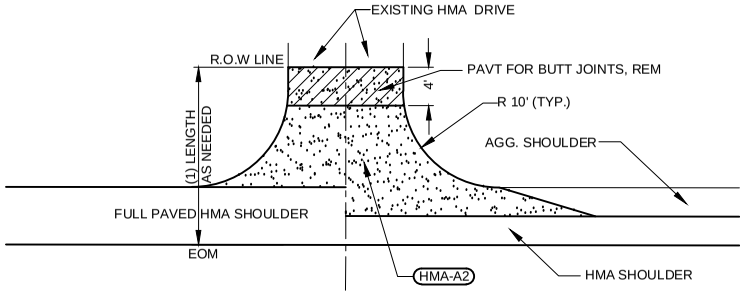
Project Name	EDDY SCHOOL RD. (620) RECONSTRUCTION	
Drawing	PROPOSED ROAD SUPERELEVATION SECTION	
Date	Job Number	Drawing Number
01/12/2023	459.2301	2 of 5



AGG. RESIDENTIAL DRIVE DETAIL

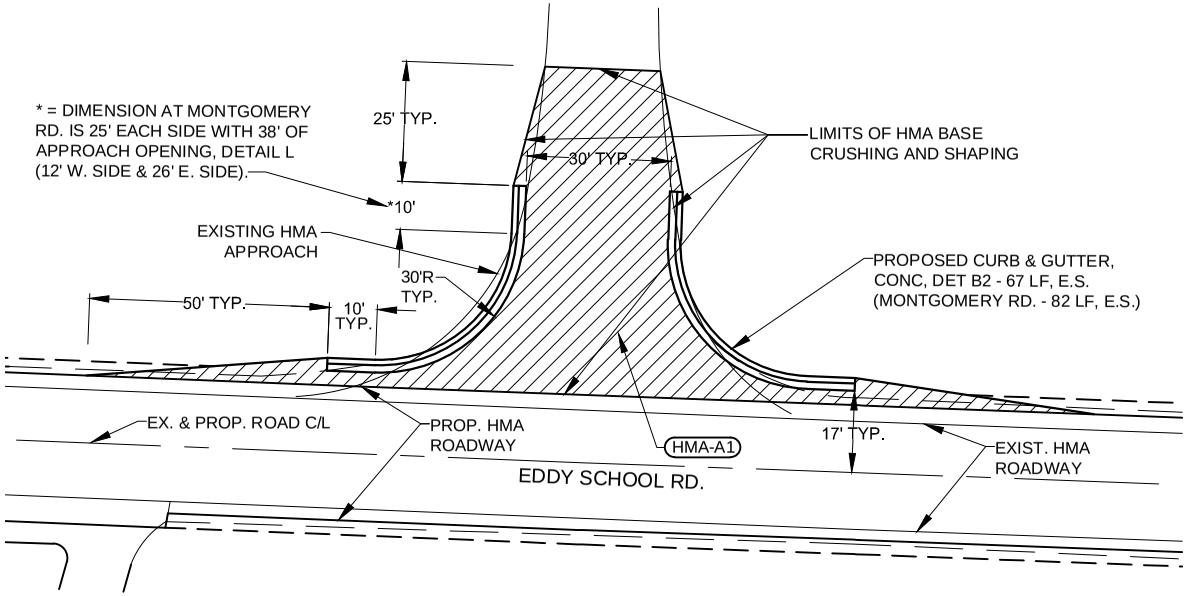
N.T.S.

(1) DRIVES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. "LENGTH AS NEEDED" CALCULATED TO THE R-O-W LINE FOR ESTIMATE PURPOSES



HMA RESIDENTIAL DRIVE DETAIL

N.T.S.



DETAIL III APPROACH DETAIL

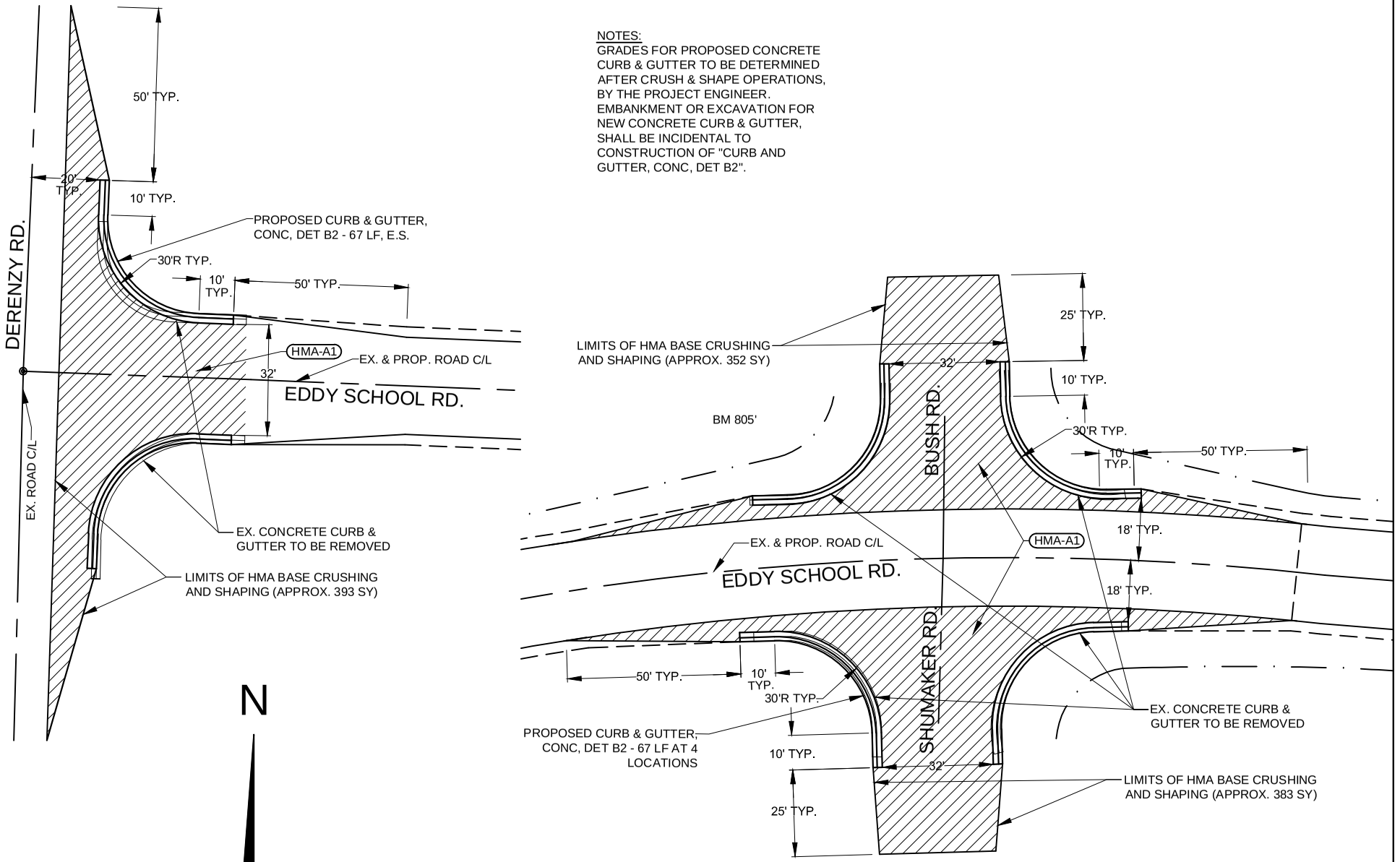
N.T.S.

NOTES:
GRADES FOR PROPOSED CONCRETE CURB & GUTTER TO BE DETERMINED AFTER CRUSH & SHAPE OPERATIONS, BY THE PROJECT ENGINEER. EMBANKMENT OR EXCAVATION FOR NEW CONCRETE CURB & GUTTER, SHALL BE INCIDENTAL TO CONSTRUCTION OF "CURB AND GUTTER, CONC, DET B2".

DETAIL APPLIES TO:
CARPENTER RD. APPROACH - STA. 52+87 LT. (APPROX. 327 SY)
MONTGOMERY RD. APPROACH - STA. 105+27 LT. (APPROX. 377 SY)
OSLUND RD. APPROACH - STA. 137+65 RT. (APPROX. 327 SY)

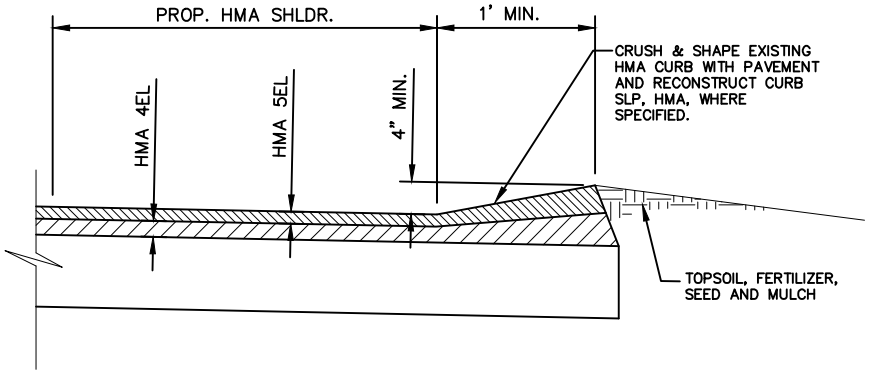
ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

Project Name	EDDY SCHOOL RD. (620) RECONSTRUCTION	
Drawing	TYPICAL DETAILS	
Date	Job Number	Drawing Number
01/12/2023	459.2301	3 of 5



ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

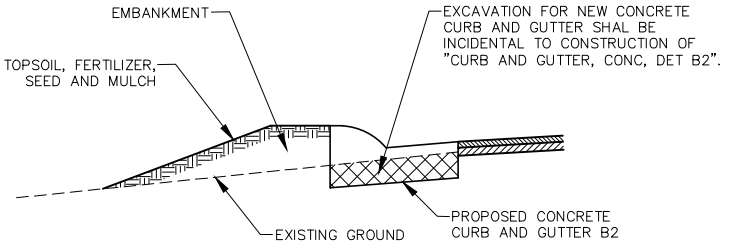
Project Name	EDDY SCHOOL RD. (620) RECONSTRUCTION	
Drawing	DERENZY / BUSH / SHUMAKER APPROACH DETAILS	
Date	Job Number	Drawing Number
01/12/2023	459.2301	4 of 5



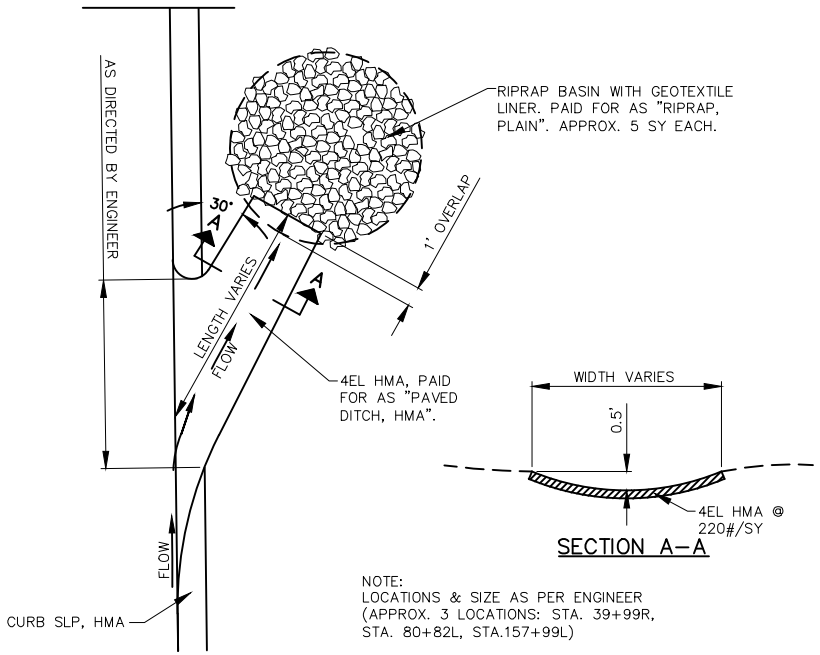
CRUSH & SHAPE CURB SLP, HMA DETAIL

N.T.S.

APPLY AT CURB SLP, HMA LOCATIONS:
STA. 39+99 TO STA. 47+87 RT.
STA. 89+82 TO STA. 82+22 LT.
STA. 148+94 TO STA. 158+00 LT.



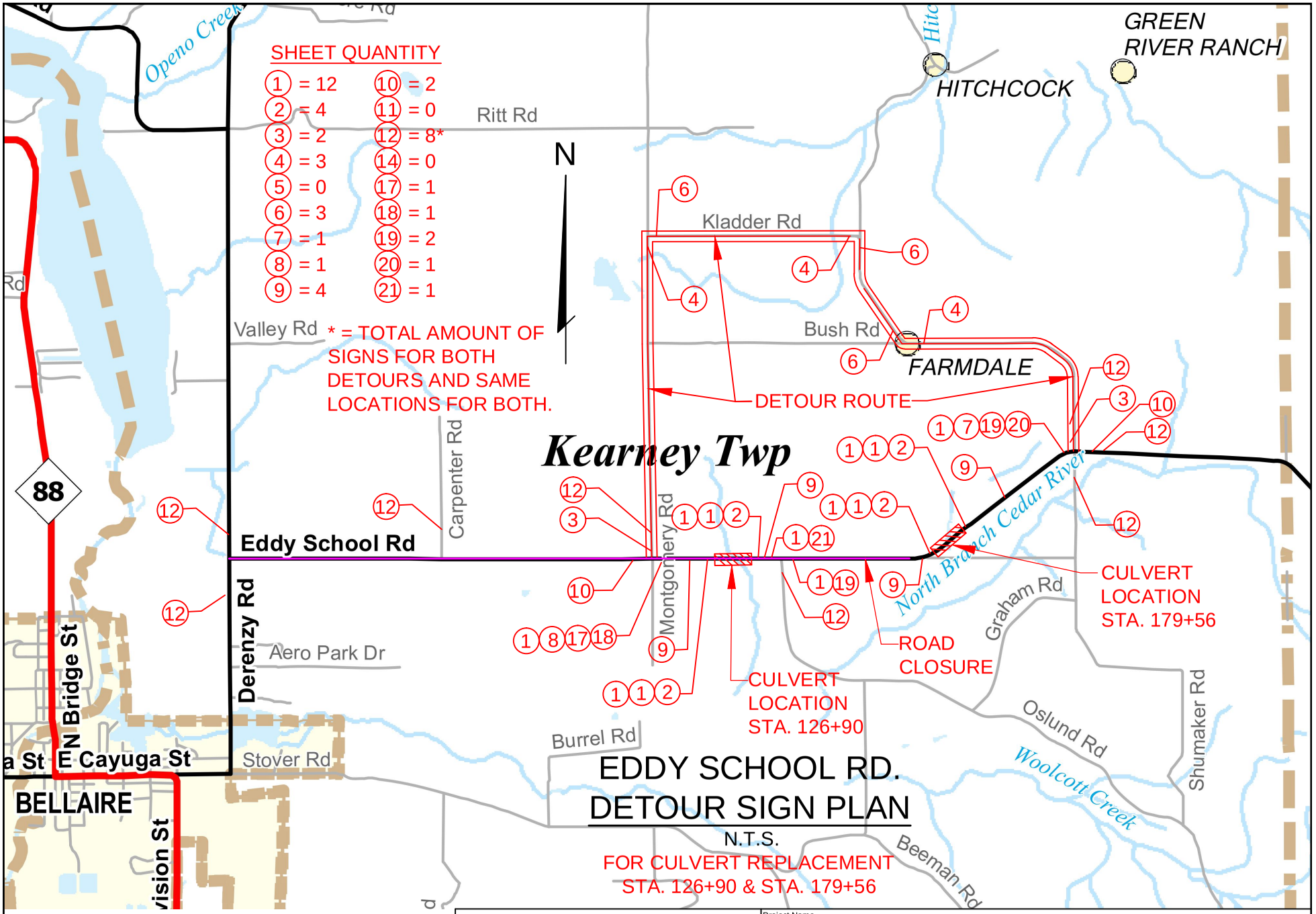
B–2 CONCRETE CURB & GUTTER DETAIL



PAVED DITCH, HMA DETAIL

ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

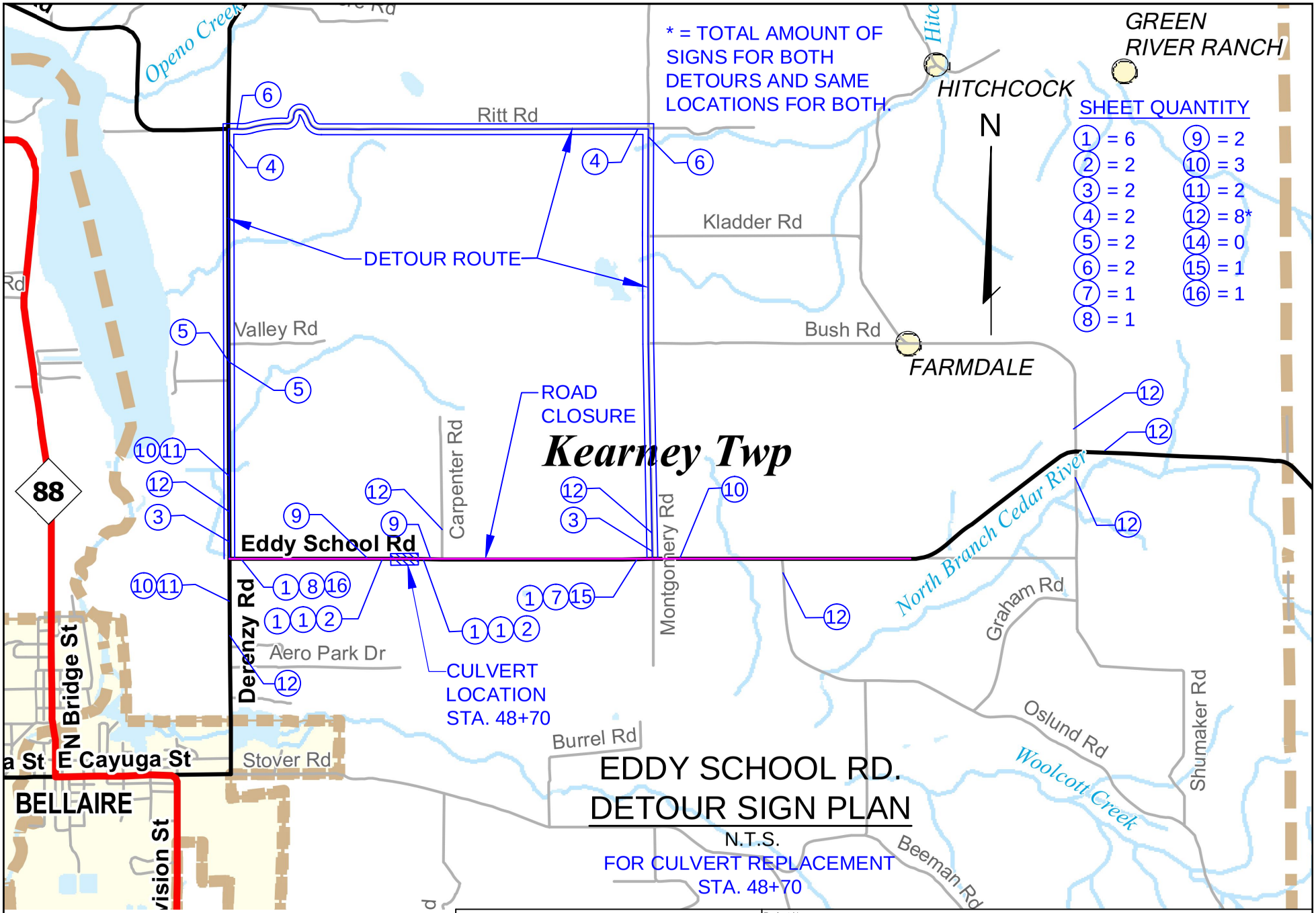
Project Name	EDDY SCHOOL RD. (620) RECONSTRUCTION	
Drawing	MISCELLANEOUS DETAILS	
Date	Job Number	Drawing Number
01/12/2023	459.2301	5 of 5



ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

Project Name	EDDY SCHOOL RD CULVERT REPLACEMENT
Drawing	DETOUR SIGN PLAN 1

Date	Job Number	Drawing Number
01/12/2023	459.2301	1 of 3



EDDY SCHOOL RD. DETOUR SIGN PLAN

N.T.S.

FOR CULVERT REPLACEMENT STA. 48+70

ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

Project Name	EDDY SCHOOL RD CULVERT REPLACEMENT	
Drawing	DETOUR SIGN PLAN 2	
Date	Job Number	Drawing Number
01/12/2023	459.2301	2 of 3

DETOUR SIGN REQUIREMENTS

SIGN #	SIGN DESIGNATION	SIGN DESCRIPTION	SIGN SIZE	NUMBER REQ'D.
1	TYPE III BARRICADE	TYPE III BARRICADE, HIGH INTENSITY, DBL. SIDED, LIGHTED	N/A	18
2	R11-2	ROAD CLOSED	48" x 30"	6
3	M4-8a	DETOUR ENDS	24" x 18"	4
4	M4-9R	DETOUR RIGHT	30" x 24"	5
5	M4-9	DETOUR THRU	30" x 24"	2
6	M4-9L	DETOUR LEFT	30" x 24"	5
7	M4-10R	DETOUR RIGHT	48" x 18"	2
8	M4-10L	DETOUR LEFT	48" x 18"	2
9	W20-3	ROAD CLOSED AHEAD	48" x 48"	6
10	W20-2	DETOUR AHEAD	48" x 48"	5
11	D3-1 *	EDDY SCHOOL ROAD	30" x 12"	2
12	W20-1	ROAD WORK AHEAD	48" x 48"	8
15	R11-3a	ROAD CLOSED 1.1 MILES AHEAD LOCAL TRAFFIC ONLY	60" x 30"	1
16	R11-3a	ROAD CLOSED 0.9 MILES AHEAD LOCAL TRAFFIC ONLY	60" x 30"	1
17	R11-3a	ROAD CLOSED 0.4 MILES AHEAD LOCAL TRAFFIC ONLY	60" x 30"	1
18	R11-3a	ROAD CLOSED 1.4 MILES AHEAD LOCAL TRAFFIC ONLY	60" x 30"	1
19	R11-3a	ROAD CLOSED 0.7 MILES AHEAD LOCAL TRAFFIC ONLY	60" x 30"	2
20	R11-3a	ROAD CLOSED 1.7 MILES AHEAD LOCAL TRAFFIC ONLY	60" x 30"	1
21	R11-3a	ROAD CLOSED 0.2 MILES AHEAD LOCAL TRAFFIC ONLY	60" x 30"	1

* PAID FOR AS SIGN, TYPE B, TEMP, PRISMATIC, SPECIAL, FURN/OPER

ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

Project Name	EDDY SCHOOL RD CULVERT REPLACEMENT	
Drawing	DETOUR SIGN REQUIREMENTS	
Date	Job Number	Drawing Number
01/12/2023	459.2301	3 of 3

ANTRIM COUNTY ROAD COMMISSION

SPECIAL PROVISION
FOR
ACCEPTANCE OF HOT MIX ASPHALT MIXTURE ON NON-FEDERAL AID PROJECTS

a. Description. This special provision provides acceptance-testing requirements for use on this project. The HMA mixture and mixture quality assurance and acceptance shall conform to section 501 of the Michigan Department of Transportation 2020 Standard Specifications for Construction except where modified herein. The MDOT HMA Production Manual, current edition, applies to this work.

b. Submittals. The contractor shall submit the following:

1. Job Mix Formula (JMF) (MDOT Form 1911 or equivalent) for the project for review and approval by the Engineer. The JMF shall be designed in accordance with Table A. The Contractor shall not place any HMA without an approved JMF. Below are specific values that are required on the JMF (in addition to the normal requirements).
   i. Fine Aggregate Angularity
   ii. Fines to Asphalt Ratio (based on Effective Asphalt Content)
2. Quality Control Plan.
3. A copy of all Contractor Quality Control Tests submitted within 7 working days of project completion.
4. A copy of the Bill of Lading or Delivery Ticket for the Asphalt Binder for the project. The Bill of Lading must include the type of material that was previously hauled in the delivery tank.

c. Materials. Aggregates, mineral filler (if required), and asphalt binder shall be combined as necessary to produce a mixture proportioned within the master gradation limits and meeting the uniformity tolerances listed Table 1 and the quality assurance testing tolerances in Table 2 of this special provision. The master gradation range is to be used for establishing mix design only. Topsoil, clay or loam shall not be added to aggregates used in plant produced HMA mixtures.

The Minimum Fine Aggregate Angularity for any given HMA mixture shall be 40.0.
The Minimum Crush Percentage for 4EL and 5EL HMA mixtures shall be 65%.

Table A: HMA Mixture Targets and Parameters

HMA Mix Type	VMA Minimum on any given Test (a,c)	VMA Target (c)	Asphalt Binder Content Minimum on JMF	Asphalt Binder Content Minimum on any given Test (a)	Fines to Asphalt Ratio Maximum on JMF (b)
4EL	14.0	Based on mix design parameter, the contractor shall establish & state their VMA Target on their mix design JMF, and shall adhere to the VMA Min. requirements	5.80	5.50	1.10
5EL	15.0		6.10	5.80	1.10

a. The HMA parameter minimum is per any given QC/QA test, regardless of Tolerances listed in Table 2 of this Special Provision.
b. Value based on Pbe (Effective Asphalt Percent) for each given mix and JMF.
c. VMA values are based on the Gsb (Bulk Specific Gravity) of the given HMA mixture not the Gse (Effective Specific Gravity).

d. Asphalt Binder. Liquid Asphalt Binder shall be a Performance Graded (PG) binder as specified in the bid documents and/or approved by the Road Commission.

e. Air Voids. Design Air Voids shall be 4.0% and shall be regressed to 3.0% in production by the addition of virgin liquid asphalt.

f. Recycled Asphalt Materials. Recycled Asphalt Pavement (RAP) is allowed in the HMA mixtures. Recycled asphalt pavement (RAP) percentage that represents the contribution of the RAP binder toward the total binder, by weight, shall not exceed 17%. No binder grade adjustment is required to compensate for the stiffness of the asphalt binder in RAP.

g. Recycled Asphalt Shingles. Recycled Asphalt Shingles (RAS) will not be allowed in the HMA.

h. Construction. After the Job Mix Formula is established, the aggregate gradation of the HMA mixture furnished for the work shall be maintained within the Range 1 uniformity tolerance limits permitted for the job-mix-formula specified in Table 1. However, if deviations are predominantly either below or above the job-mix-formula, the Engineer may order alterations in the plant to bring the mixture to the job-mix-formula. If two consecutive aggregate gradations on one sieve as determined by the field tests are outside Range 1 but within Range 2 tolerance limits, the Contractor shall suspend all operations. Contract time will continue during these times when the plant is down. Before resuming any production, the Contractor shall propose, for the Engineer's approval, all necessary alterations to the materials or plant so that the job-mix-formula can be maintained. The Engineer, after evaluating for effects on AWI and mix design properties, will approve or disapprove such alterations.

Random Liquid Asphalt Binder samples will be witnessed by the Engineer or Consulting Firm. The Engineer reserves the right to test any or all samples taken.

The crushed particle content of the aggregate used in the HMA mixture shall not be more than 10 percentage points above or below the crushed particle content used in the job-mix-formula nor less than the minimum specified for the aggregate in the project documents.

Quality Assurance and Acceptance testing will be as follows:

1. **Asphalt Mixture Sampling.** Acceptance sampling and testing will be performed by the Engineer using the sampling method and testing option agreed upon by the Engineer and Contractor. Each day of production, random samples will be obtained for each mix type. Acceptance testing will be performed at a frequency specified by the Engineer.

   For each given day of production, if the daily mix tonnage per HMA mix type is under 500 tons, the Engineer reserves the right to test one sample and obtain a second sample for future testing if necessary. If the daily mix tonnage per HMA mix type is over 500 tons, the Engineer reserves the right to test one sample. If the first sample meets the Range 1 tolerances in Table 1 and Table 2, the Engineer can obtain a second sample and perform any of the following actions:
   a) Perform Full Quality Assurance testing
   b) Perform Volumetric Testing Only (Ignition, Extracted, or Calculated AC/Gmm, Air Voids, VMA)
   c) Retain custody of the sample for future testing if necessary

2. **Asphalt Binder Sampling.** The Contractor shall obtain the asphalt binder sample, correctly label the sample container, and complete a Sample Identification (Bituminous Material Form 1923B). The form must be filled out correctly and completely, and signed before the sample is given to the Engineer. The daily asphalt binder sample must be taken from a sampling spigot located on the pipeline supplying asphalt binder to the plant, in a position between the asphalt binder pump and the point where the asphalt binder is introduced to the aggregate mixture. Personnel safety is critical in selection the position of the sampling spigot. Give the binder sample and completed Form 1923B to the Engineer.

Daily Asphalt Binder Sample are to be in 1 pint (16 ounce), slip top, seamless ointment tins. The tin must be at least three quarters full. All containers must be labeled in a legible format with the following information provided:

a. Project Name and Number
b. Binder Grade
c. Binder Supplier Certification Number
d. Supplier Name, City, and State
e. Date Sampled
f. Mixture Type

The Engineer may request to witness the sampling of the asphalt binder upon visit to the HMA Plant. The Engineer will complete the 1923B Form for the witness sample. The witness sample will be recorded as the daily asphalt binder sample. Any other asphalt binder samples from that same day will be discarded.

The Engineer may request a copy of the MDOT Binder Certification Documents. These copies must be presented to the Engineer when the respective daily binder samples and the 1923B Forms are picked up at the plant. The Engineer will review these documents and communicate any problems that may arise.

3. **Mixture Testing.** Mixture samples will be tested to verify gradation, binder content, and volumetric properties per Table 1 and Table 2 listed below.

   If the Engineer elects not to perform Quality Assurance testing on a given day or a given project. The Contractor is required to still perform testing in accordance with Table 1 and Table 2 below. The Contractor's Quality Control test results shall be sent to the Engineer within 2 working days of each day's productions for a given HMA mixture.

Table 1: Quality Assurance/Control Tolerance Limits for HMA Mixtures

Parameter	Action Limits (Range 1)	Suspension Limits (Range 2)
% Passing the #8 and Larger Sieves	+/- 5.0%	+/- 8.0%
% Passing the #30 Sieve	+/- 4.0%	+/- 6.0%
% Passing #200 Sieve	+/- 1.0%	+/- 2.0%

Table 2: Quality Assurance/Control Testing Tolerance from JMF or Target Values

Parameter	Action Limits (Range 1)	Suspension Limits (Range 2)
Binder Content (a)	+/- 0.30% (a)	+/- 0.50% (a)
Maximum Specific Gravity (Gmm)	+/- 0.013	+/- 0.020
Voids in Mineral Aggregate VMA (a, b)	+/- 0.75% (a, b)	+/- 0.80% (a, b)
Air Voids (c)	+/- 0.60%	+/- 0.90%
Fines to Effective Asphalt Ratio	0.65-1.20	0.60-1.25
a. Refer to minimum parameters in Table A of this special provision. b. These given limits are (+/-) from given targets in Table A of this special provision. c. Limits are (+/-) from those values listed in Section e. of this special provision.		

4. **Density.** The contractor is responsible for ensuring proper density. Pavement density may be measured by the Engineer with a either a nuclear or non-nuclear density gauge, using the Gmm from the JMF for the density control target. The in-place density of the HMA mixture shall be at least 92.0% to 98.0% of the density control target. The Engineer may cut cores for determining density, density verification and/or gauge calibration. Density testing and frequency will be determined by the Engineer. Density testing may be waived by the Engineer.

a) **Rejected Materials**

1. **Gradation.** Action Limits - Range of values established in Table 1 – Quality Assurance/Control Tolerance Limits for HMA Mixtures. If exceeded on two consecutive tests, Contractor is required to take corrective action to bring the mixture produced into conformance with the specifications.

   Suspension Limits – Range of values established in Table 1 – Quality Assurance/Control Tolerance Limits for HMA Mixtures. If exceeded on a single test, Contractor is required to suspend operations and determine, document, and correct the cause before resuming production. Prior to resuming production, the Engineer must be notified of the findings and approve correction action prior to resuming production.

2. **Asphalt Binder.** If a liquid asphalt binder sample does not meet the required specification, the mix produced from the point of the last liquid asphalt binder sample meeting specification to the failed sample shall be considered defective and shall be replaced at the sole expense of the Contractor.

3. **Volumetric Properties.** The acceptable tolerance for Binder Content, Gmm, VMA, Air Voids, and Fines to Pbe are listed in Table 2 above. Any HMA Mixture produced outside of these tolerances or any HMA Mixture that does not meet the requirements listed in the sub notes of Table 2 above will be subject to a negative adjustment or rejected. The resulting penalty will be a negative adjustment of 10% to 50% or remove/replace, to be determined by the Engineer.

4. **Pavement Density.** A negative 10% adjustment in the HMA Mixture contract price will be imposed if the pavement density (average of all gauge readings) is less than 92%, but equal to or greater than 91%; or if 2 or more readings are less than 91%.

   A negative 25% adjustment in the HMA Mixture contract price will be imposed if the pavement density (average of all gauge readings) is less than 91%, but equal to or greater than 90%; or if 2 or more readings are less than 90%.

   If the average density is less than 90% (for all gauge readings), the Contractor shall remove and replace the pavement at no cost to the Owner.

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
LABOR COMPLIANCE

COS:AS 1 of 3 APPR:JJG:RJC:03-24-20
FHWA:APPR:03-30-20

a. Description. Ensure all levels of contracting (prime, sub, sub-sub, etc.) comply with all labor compliance requirements in this contract. The Contractor is responsible for subcontractors and lower tier subcontractor labor compliance. Job site poster requirements apply to state and federally funded projects. All Contractors must insert this special provision in each subcontract and further require its inclusion in lower tier subcontracts for federal prevailing wage projects.

b. Requirements.

1. Jobsite Posters. All jobsite posters and employment notices required by State and Federal regulations and the contract are to be posted on the jobsite in a conspicuous area prior to the commencement of work. Ensure jobsite postings are accessible at all times.

2. Federal Prevailing Wage Projects. The Davis-Bacon Related Acts apply to all Contractors, and subcontractors (all tiers) performing work on federally funded or assisted construction contracts where the total construction contract price is in excess of $2,000. Contractors and subcontractors are required to comply with *29 Code of Federal Regulations Parts 1, 3*, and *5*.

The Contractor must advise subcontractors of the requirement to pay the prevailing wage rates prior to commencement of work and that all employees must cooperate during wage rate interviews.

A. Certified Payroll Submittal Requirements. Contractors (all tiers) must submit their certified payrolls to the prime Contractor. The submitted payrolls must accurately and completely include all information required on MDOT Form CP-347, Certified Payroll. The required weekly payroll information may be submitted on a contractor generated form but must contain all information required on Form CP-347. The first certified payroll is to be received by the Engineer within 3 weeks from the week ending in which work is performed. The 3 week period is to allow for the processing and review of the certified payrolls by the prime Contractor. The review must ensure the certified payroll is complete and contains all information required on Form CP-347. Form CP-347 is available on the MDOT forms webpage. Certified payroll information must meet the requirements of this special provision unless the contract requires payroll to be submitted through the prevailing wage and labor compliance (PWLC) system. Payroll submitted via the PWLC system must be entered into the system, certified, and approved by the prime Contractor to be considered received by the Department.

Labor compliance issues must be resolved within 60 calendar days of receiving the Departments first documented notice. The 60-day requirement may be extended based on documented mutual agreement between the Department and the Contractor.

(1) Fringe Benefit Statements. Contractors making payments or incurring cost to provide bona fide benefits must submit an hourly breakdown of fringe benefits paid each worker, or work classification where applicable, that must accompany the first certified payroll where fringe benefits are credited towards the prevailing wage. The Contractor must update these documents as necessary to ensure they are current throughout the working life of the contract. Failure to submit or maintain the required fringe benefit statement will constitute a payroll deficiency.

(2) Delinquent Payroll. Certified payrolls not submitted per subsection b.2.A of this special provision will be considered delinquent.

(3) Deficient Payroll. Certified payrolls that are found to be incomplete, inaccurate, or inconsistent with other project records are considered deficient.

(4) Non-compliance Damages. A Contractor found to be in non-compliance with the requirements of this special provision will be assessed non-compliance damages listed in Table 1, proportional to the value of their work on the contract (including subcontract, purchase order (P.O.) or invoice amount).

Table 1: Schedule of Non-Compliance Damages

Contract/Subcontract/P.O./Invoice Amount (a)	Non-compliance damages per calendar day
$0 to 49,999	$200
50,000 to 99,999	400
100,000 to 499,999	600
500,000 to 999,999	900
1,000,000 to 1,999,999	1,300
2,000,000 to 4,999,999	1,550
5,000,000 to 9,999,999	2,650
10,000,000 and above	3,000
Trucker	$200

a. "Contract" amount if offending contractor is the prime contractor. "Subcontract/P.O./Invoice" amount if offending contractor is a subcontractor/vendor.

B. Record Keeping. Maintain payrolls and basic records relating thereto (i.e. employee names, occupation, hours worked, W2, canceled checks, bank statements, etc.) by all levels of contractors during the course of work and retain for a 3-year period from the date of final estimate for all employees working on the site of work. Make these records available for inspection, copying, or transcription by the Department or its representative.

C. Short Duration Projects. The following modifications apply if the project is less than 75 calendar days in duration.

(1) Submittal Requirements. On short duration projects the first certified payroll is to be received by the Engineer within 2 weeks from the week ending in which work is

performed. The 2-week period is to allow for the processing and review of the certified payrolls by the Contractor. The 2-week period allows the first estimate to be paid assuming the Contractor will submit certified payrolls in a timely manner. Ensure subsequent certified payroll submissions are made weekly. Payroll submissions failing to meet the above requirements will be considered delinquent.

Labor compliance issues are to be resolved within 30 days after receiving the Department's first documented notice. The 30-day requirement may be extended based on documented mutual agreement between the Department and the Contractor.

c. Materials. None specified.

d. Construction. None specified.

e. Measurement and Payment. Payment for compliance with this special provision will not be made separately. Payment will be considered as part of all other pay items in the contract.

MICHIGAN
LOCAL ROAD AGENCY

SPECIAL PROVISION
FOR
PREVAILING WAGE AND LABOR COMPLIANCE SYSTEM

 CRA APPR: 12-20-22

a. Description. This work consists of the required use of a prevailing wage and labor compliance (PWLC) system for all prevailing wage documentation as directed by the Engineer. Input all required certified payroll documentation into the Track CTC Site (LCPtracker) and update this documentation throughout the execution of the contract. Certified payroll information is to be submitted in the Track CTC site per the time requirements in the 20SP-107D - Labor Compliance.

b. Contractor Responsibility. Coordinate all electronic document submittals including documentation supplied by other companies (e.g. subcontractors, suppliers, fabricators, etc.) as detailed in this special provision. All companies will directly submit their certified payroll information into the Track CTC Site.

c. General Requirements. Submit all certified payroll information as required in this special provision and the Labor Compliance special provision. Provide employee zip codes as part of the certified payroll submission. This information will be redacted from any certified payroll reports to protect worker anonymity. Zip code information will be anonymizedand used for federal, state, and legislative prevailing wage and labor reporting.

All data entry will be submitted through the following program and website:
Program: LCPtracker
Login Website: http://www.lcptracker.net
General Information website: www.lcptracker.com

A tutorial for this system can be found though the website provided.

d. Condition of Payment. Post all documents electronically into the Track CTC Site. Electronic posting and submittal of documents is a condition of payment for this contract. Documents submitted in any other manner, unless required otherwise in this special provision or directed by the Engineer, will not be accepted and will delay payment.

e. Digitally Encrypted Electronic Signatures. Ensure all documents that require signature authorizations are signed using a digitally encrypted electronic signature. Further information regarding how to obtain a digital signature can be found at the following website:

www.trackctc.com

f. Contractor Preparation for Tracking Software:

1. Information about LCPtracker is available to the Contractor and other project companies (e.g. subcontractors, suppliers, etc.) at the following website:

www.lcptracker.com.

2. Access to the Track CTC Site is provided at a cost to the Contractor. The road agency will coordinate with Track CTC to setup the project in LCPtracker and assign the Contractor. Once setup in the system the Contractor may access the software at the following website: www.trackctc.com/pricing/

www.lcptracker.net

3. Use Internet Explorer to access the Track CTC system. The Department has tested and will support Internet Explorer versions 8, 9, 10 and 11.

g. Document Format. The Engineer reserves the right to electronically reject documents that are deemed to be unsuitable. This may include documents submitted that are illegible or unreadable or contain inappropriate information. The submitting company must re-submit the corrected documents into the PWLC system. Failure to do so will be considered noncompliance and may delay progress payments.

h. Training. LCPtracker offers biweekly contractor training sessions, user support manuals, quick start guides, e-Training videos, and a software support staff available Monday thru Friday 8 a.m. to 8 p.m. EST accessible through the online interface.

i. File/Document Retention. The electronic files submitted in the PWLC system are the official contract documents and must follow all road agency document retention schedules.

j. Technical Issue Resolution. Upon discovery of an LCPtracker issue immediately notify the Engineer with a copy sent to the following e-mail resource:

info@trackctc.com

k. Measurement and Payment. The work included in this special provision will not be paid for separately and is considered to be included in other items of work in the contract.

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8007
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-1

Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: Static Water ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	Pocket Pen Value
	0"-2" ASPHALT ROAD SURFACE						
	2"-1' FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY			1			
	1'-3½' Brown F/m sand, some gravel, Dry		5	2			
	3½'-5' Darker Brown F/m sand, Trace gravel, Dry			3			
			10	4			
	T.D. = 5'		15	5			
			20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Program Files\EnviroSoft\Boring Software Development\Well Logs\2 Pages.wl2

Gosling Czubak engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8807
231-946-9191 800-968-1062 Fax: 231-941-1603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB- 1
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft)	Sample	Blow Counts	SAMPLE REC. (inches)	Pocket Pen Value
	0"-2" ASPHALT ROAD SURFACE			1			
	2"-1' FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	1'-5' Brown F/m sand, Trace gravel, Dry		10	4			
			15	5			
	T.D. 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Program Files\Gint\gINT Software Development\Well Logs\2 Sheets.wit

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8007
231-946-9191 800-968-1092 Fax: 231-941-1603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 20194650 15.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-3
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-2" ASPHALT ROAD SURFACE			1			
	2":10" FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	10"-5' BROWN F/M SAND, SOME GRAVEL, DRY		10	4			
			15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

2:\Program Files\GeoSoftware\Well Logs\2 7logs.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8607
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 20194650 15.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB- 4
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~ 10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: Static Water ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	Pocket Pen Value
	0"-3" ASPHALT ROAD SURFACE			1			
	3"-11' FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	11"-5' Brown F/m Sand, some gravel, Dry		10	4			
			15	5			
	T.D.= 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

2019\Reports Files\GeoSlicer Software Development\Well Logs\2 7logs.wlg

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-6007
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-5
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: Static Water ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-3" ASPHALT ROAD SURFACE			1			
	3"-1' FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	1'-3½' Brown F/m sand, Dry, T. some gravel		10	4			
	3½'-5' Brown F/m clayey sand, Trace gravel, Dry		15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Program Files\GeoBain Software Development\Well Logs\2 Pages.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8007
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 20194650 15.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED.

Page 1 of 1 BORING NO: SB-6
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: Static Water ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-4" ASPHALT ROAD SURFACE			1			
	4"-1' FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	1'-5' BROWN F/M SAND, TRCE GRAVEL, DRY		10	4			
			15	5			
	T.D.=5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Programs Files\GeoSchool Software Development\Well Logs v 2.7\logs.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8807
231-946-9191 800-968-1062 Fax: 231-941-1603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-7

Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: Static Water ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	Pocket Pen Value
	0"-4" ASPHALT ROAD SURFACE			1			
	4"-10" FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	10"-5' BROWN F/M SAND, TRACE GRAVEL, DRY		10	4			
			15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Programs Files\Geo Slope\Software Development\Well Log v2 Pieces.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8007
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB- 8
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	Pocket Pen Value
	0"-3" ASPHALT ROAD SURFACE			1			
	3"-1' FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	1'-5' BROWN F/M SAND, TRACE GRAVEL, DRY		10	4			
			15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

GLProgram: FieldLog Section Software Development\Well Log.gpr = Thodes.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1280 Business Park Dr., Traverse City, MI 49686-6007
231-946-9191 800-968-1062 Fax: 231-941-1693

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-9
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-4" ASPHALT ROAD SURFACE			1			
	4"-1' FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	1'-5' BROWN F/M SAND, DRY		10	4			
			15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Program Files\GeoSoft Boring Software Development\Well Log v 2 Templates.wlt

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8607
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 20194650 15.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-10
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft)	Sample	Blow Counts	SAMPLE REC. (inches)	Pocket Pen Value
	0"-2" ASPHALT ROAD SURFACE			1			
	2"-10" FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	10"-3' Reddish Brown F/m sand, some gravel, dry		10	4			
	3'-5' Brown F/m sand, Dry						
			15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Program Files\GeoSlope Software Development\Well Logger 2 Pages.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1280 Business Park Dr., Traverse City, MI 49686-8007
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 20194650 15.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-11
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: Static Water ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-2" ASPHALT ROAD SURFACE			1			
	2"-1' FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	1'-5' BROWN F/M SAND, SOME GRAVEL, DRY		10	4			
			15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

S:\Program Files\Gree Bishop Software Development\Well Logs\r2 Templates.wl2

Gosling Czubak engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8807
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB- 12
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~ 10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	Pocket Pen Value
	0"-8" ASPHALT ROAD SURFACE			1			
	8"-14" FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	14"-3½' Brown F-m sand, Dry		10	4			
	3½'-5' Brown F-m Sand, Trace gravel, Dry		15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4" ft. bgs

2:\Program Files\GeoSelect Software Development\Well Logger 2 7\eces.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1280 Business Park Dr., Traverse City, MI 49686-8007
231-946-9191 800-968-1062 Fax: 231-941-1603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED.

Page 1 of 1 BORING NO: SB-13
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: Static Water ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-2" ASPHALT ROAD SURFACE			1			
	2"-1' FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	1'-5' Brown F/m Sand, some gravel, Dry		10	4			
			15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Program Files\EnviroCore Bichrm Software Development\Well Log\2 Tiles.wl2

Gosling Czubak
engineering sciences, inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8807
231-946-9191 800-968-1062 Fax: 231-941-1603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB- 14
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~ 10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft)	Sample	Blow Counts	SAMPLE REC. (inches)	Pocket Pen Value
	0"-3" ASPHALT ROAD SURFACE			1			
	3"-11" FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	11"-3' Brown F/m Clayey Sand, trace gravel, Dry		10	4			
	3'-5' Brown F/m sand, trace gravel, Dry		15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Program Files\Rec Section Software Development\Well Logs\2 Tapes.wnz

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8007
231-946-9191 800-968-1062 Fax: 231-941-1603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-15
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: ~~3½~~ N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-2" ASPHALT ROAD SURFACE			1			
	2"-10" FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	10"-3½' Brown f/m sand, some gravel, dry		10	4			
	3½'-5' gray f/m sand, some gravel, silty, wet		15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE ~~3½~~ ft. bgs

C:\Program Files\GroundWater Software Development\Well Logs\2 Holes.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8007
231-946-9191 800-968-1092 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 20194650I5.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-16

Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-3" ASPHALT ROAD SURFACE			1			
	3"-11" FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
	11"-2' Brown F/m sand, trace gravel, Dry			3			
	2'-2½' - pen t		10	4			
	2½'-5' Brown F/m sand, some gravel, Dry			5			
	T.D. = 5'		15				
			20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Program Files\Gint Software Development\Well Logs\2 Pages.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8807
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 20194650 15.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-17

Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: _____ Static Water _____ ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft.)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-3" ASPHALT ROAD SURFACE			1			
	3"-8" FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	8"-5' Brown F/m sand, trace to some gravel, dry		10	4			
			15	5			
	T.D. = 5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

C:\Program Files\Gint Software Development\Well Logs.gpj 2 Pages.lwd

Gosling Czubak
engineering sciences, inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-6007
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-18
Contractor: GCES
Crew Chief: M. G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: Static Water ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft)	Sample	Blow Counts	SAMPLE REC. (inches)	Pocket Pen VALUE
	0"-3" ASPHALT ROAD SURFACE			1			
	3"-11" FILL: SUB-BASE BRN F-M SAND, SOME F-M GRVL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	11"-5' Brown F/m Sand, some gravel, dry		10	4			
			15	5			
	T.D.=5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

G:\Program Files\Geo Slope Software Development\Well Log\2 Sheets.wl2

Gosling Czubak
engineering sciences, Inc.

Engineers Surveyors
Planners
Environmental Services

1260 Business Park Dr., Traverse City, MI 49686-8007
231-946-9191 800-968-1062 Fax: 231-941-4603

Project Name: EDDY SCHOOL ROAD
Location: ANTRIM COUNTY
Project Number: 2019465015.01 DRLG.
Client: ANTRIM COUNTY ROAD COMMISSION

Borehole Completion Notes:
BACKFILLED WITH SOIL,
ASPHALT PATCH WHERE NEEDED,

Page 1 of 1 BORING NO: SB-19
Contractor: GCES
Crew Chief: M.G. ALLEN
Drill Method: 4.25" ID HSA
Boring Dia. (in.): ~10"
Boring Depth (ft.): 5' Date Drilled: 10-15-19
Logged By: ALLEN/FARVE

Groundwater Encountered While Drilling at: N/A ft. bgs
Ground Elevation: Static Water ft. bgs

Graphic Log	Soil Classification (Color, Texture, Structure)	N VALUE	Depth (ft)	Sample	Blow Counts	SAMPLE REC. (inches)	POCKET PEN VALUE
	0"-6" ASPHALT ROAD SURFACE			1			
	6"-1' FILL: SUB-BASE BRN F-M SAND, SOME F-M GROL, FEW SILT, LITTLE CLAY, DRY		5	2			
				3			
	1'-5' BROWN F/M SAND, SOME GRAVEL, DRY		10	4			
			15	5			
	T.D. -5'		20	6			
			25	7			
			30	8			
			35	9			
			40	10			

OPEN AT COMPLETION:
GROUNDWATER N/A ft. bgs
COLLAPSE 4' ft. bgs

2:\Program Files\Rog Soft\Software Development\Well Logs\2 Rocks.wl2

NOTICE OF AUTHORIZATION

Permit Number: WRP027869 v. 1 **Date Issued: March 4, 2021**
Site Name: 05 - Eddy School Road at tributary to North Branch Cedar River
Expiration Date: March 4, 2026

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, P.O. Box 30458, Lansing, Michigan 48909-7958, under provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, specifically:

- ☐ Part 31, Floodplain Regulatory Authority of the Water Resources Protection.
- ☒ Part 301, Inland Lakes and Streams.
- ☒ Part 303, Wetlands Protection.
- ☐ Part 315, Dam Safety.
- ☐ Part 323, Shorelands Protection and Management.
- ☐ Part 325, Great Lakes Submerged Lands.
- ☐ Part 353, Sand Dunes Protection and Management.

Authorized activity:

Remove the existing structure and install a 116 foot long by 4 foot diameter corrugated metal culvert at the Eddy School Road crossing of a tributary to the North Branch of the Cedar River. Place approximately 248 cubic yards of fill and rock riprap slope protection impacting a total of 0.03 acres of wetland for road slope improvements for the longer culvert at the inlet end.

All work shall be performed according to the attached plans and permit conditions.

To be conducted at property located in: Antrim County, Waterbody: tributary to North Branch Cedar River
Section 14, Town 30N, Range 07W, Kearney Township

Permittee:
Antrim County Road Commission
P.O. Box 308
Mancelona, Michigan 49659

Issued By:

John Gustafson
Marquette District Office
Water Resources Division
906-203-9887

This notice must be displayed at the site of work.
Laminating this notice or utilizing sheet protectors is recommended.
Please refer to the above permit number with any questions or concerns.

EGLE-WRD
WRP027869 v1.0
Approved
Issued On:03/04/2021
Expires On:03/04/2026

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
WATER RESOURCES DIVISION PERMIT

Issued To:

Antrim County Road Commission
P.O. Box 308
Mancelona, Michigan 49659

Permit No:	WRP027869 v.1
Submission No.:	HP4-WDT4-A3MC8
Site Name:	05 - Eddy School Road at tributary to North Branch Cedar River
Issued:	March 4, 2021
Revised:	
Expires:	March 4, 2026

This permit is being issued by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, under the provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA); specifically:

- ☒ Part 301, Inland Lakes and Streams
- ☒ Part 303, Wetlands Protection
- ☐ Part 315, Dam Safety
- ☐ Part 323, Shorelands Protection and Management
- ☐ Part 325, Great Lakes Submerged Lands
- ☐ Part 353, Sand Dunes Protection and Management
- ☐ Part 31, Water Resources Protection (Floodplain Regulatory Authority)

Permission is hereby granted, based on permittee assurance of adherence to State of Michigan requirements and permit conditions, to:

Authorized Activity:

Remove the existing structure and install a 116 foot long by 4 foot diameter corrugated metal culvert at the Eddy School Road crossing of a tributary to the North Branch of the Cedar River. Place approximately 248 cubic yards of fill and rock riprap slope protection impacting a total of 0.03 acres of wetland for road slope improvements for the longer culvert at the inlet end.

All work shall be performed according to the attached plans and permit conditions.

Waterbody Affected:	tributary to North Branch Cedar River
Property Location:	Antrim County, Kearney Township, Town/Range/Section 30N07W14

Authority granted by this permit is subject to the following limitations:

A. Initiation of any work on the permitted project confirms the permittee's acceptance and agreement to comply with all terms and conditions of this permit.
B. The permittee, in exercising the authority granted by this permit, shall not cause unlawful pollution as defined by Part 31 of the NREPA.

EGLE-WRD
WRP027869 v1.0
Approved
Issued On:03/04/2021
Expires On:03/04/2026

C. This permit shall be kept at the site of the work and available for inspection at all times during the duration of the project or until its date of expiration.
D. All work shall be completed in accordance with the approved plans and specifications submitted with the application and/or plans and specifications attached to this permit.
E. No attempt shall be made by the permittee to forbid the full and free use by the public of public waters at or adjacent to the structure or work approved.
F. It is made a requirement of this permit that the permittee give notice to public utilities in accordance with 2013 PA 174 (Act 174) and comply with each of the requirements of Act 174.
G. This permit does not convey property rights in either real estate or material, nor does it authorize any injury to private property or invasion of public or private rights, nor does it waive the necessity of seeking federal assent, all local permits, or complying with other state statutes.
H. This permit does not prejudice or limit the right of a riparian owner or other person to institute proceedings in any circuit court of this state when necessary to protect his rights.
I. Permittee shall notify EGLE within one week after the completion of the activity authorized by this permit.
J. This permit shall not be assigned or transferred without the written approval of EGLE.
K. Failure to comply with conditions of this permit may subject the permittee to revocation of permit and criminal and/or civil action as cited by the specific state act, federal act, and/or rule under which this permit is granted.
L. All dredged or excavated materials shall be disposed of in an upland site (outside of floodplains, unless exempt under Part 31 of the NREPA, and wetlands).
M. In issuing this permit, EGLE has relied on the information and data that the permittee has provided in connection with the submitted application for permit. If, subsequent to the issuance of a permit, such information and data prove to be false, incomplete, or inaccurate, EGLE may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.
N. The permittee shall indemnify and hold harmless the State of Michigan and its departments, agencies, officials, employees, agents, and representatives for any and all claims or causes of action arising from acts or omissions of the permittee, or employees, agents, or representative of the permittee, undertaken in connection with this permit. The permittee's obligation to indemnify the State of Michigan applies only if the state: (1) provides the permittee or its designated representative written notice of the claim or cause of action within 30 days after it is received by the state, and (2) consents to the permittee's participation in the proceeding on the claim or cause of action. It does not apply to contested case proceedings under the Administrative Procedures Act, 1969 PA 306, as amended, challenging the permit. This permit shall not be construed as an indemnity by the State of Michigan for the benefit of the permittee or any other person.
O. Noncompliance with these terms and conditions and/or the initiation of other regulated activities not specifically authorized shall be cause for the modification, suspension, or revocation of this permit, in whole or in part. Further, EGLE may initiate criminal and/or civil proceedings as may be deemed necessary to correct project deficiencies, protect natural resource values, and secure compliance with statutes.
P. If any change or deviation from the permitted activity becomes necessary, the permittee shall request, in writing, a revision of the permitted activity from EGLE. Such revision request shall include complete documentation supporting the modification and revised plans detailing the proposed modification. Proposed modifications must be approved, in writing, by EGLE prior to being implemented.
Q. This permit may be transferred to another person upon written approval of EGLE. The permittee must submit a written request to EGLE to transfer the permit to the new owner. The new owner must also submit a written request to EGLE to accept transfer. The new owner must agree, in writing, to accept all conditions of the permit. A single letter signed by both parties that includes all the above information may be provided to EGLE. EGLE will review the request and, if approved, will provide written notification to the new owner.
R. Prior to initiating permitted construction, the permittee is required to provide a copy of the permit to the contractor(s) for review. The property owner, contractor(s), and any agent involved in exercising the permit are held responsible to ensure that the project is constructed in accordance with all drawings and specifications. The contractor is required to provide a copy of the permit to all subcontractors doing work authorized by the permit.

EGLE-WRD
WRP027869 v1.0
Approved
Issued On:03/04/2021
Expires On:03/04/2026

S. Construction must be undertaken and completed during the dry period of the wetland. If the area does not dry out, construction shall be done on equipment mats to prevent compaction of the soil.
T. Authority granted by this permit does not waive permit requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA, or the need to acquire applicable permits from the County Enforcing Agent (CEA).
U. Authority granted by this permit does not waive permit requirements under the authority of Part 305, Natural Rivers, of the NREPA. A Natural Rivers Zoning Permit may be required for construction, land alteration, streambank stabilization, or vegetation removal along or near a natural river.
V. The permittee is cautioned that grade changes resulting in increased runoff onto adjacent property is subject to civil damage litigation.
W. Unless specifically stated in this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the water body are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
X. For projects with potential impacts to fish spawning or migration, no work shall occur within fish spawning or migration timelines (i.e., windows) unless otherwise approved in writing by the Michigan Department of Natural Resources, Fisheries Division.
Y. Work to be done under authority of this permit is further subject to the following special instructions and specifications:

1) Authority granted by this permit does not waive compliance requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA. Any discharge of sediment into waters of the state and/or off the road right-of-way is a violation of this permit, Part 91, and Part 31, Water Resources Protection, of the NREPA. A violation of these parts subjects the permittee to potential fines and penalties.

2) This permit does not authorize or sanction work that has been completed in violation of applicable federal, state, or local statutes.

3) The permittee is responsible for acquiring all necessary easements or rights-of-way before commencing any work authorized by this permit. All construction operations relating to or part of this project shall be confined to the existing right-of-way limits or other acquired easements.

4) Temporary soil erosion and sedimentation control measures shall be installed before or upon commencement of the earth change and shall be maintained daily. Temporary soil erosion and sedimentation control measures shall be maintained until permanent soil erosion and sedimentation control measures are in place and the area is stabilized. Permanent soil erosion and sedimentation control measures for all slopes, channels, ditches, or any disturbed area shall be installed within five (5) calendar days after final grading or the final earth change has been completed.

5) All raw areas in uplands resulting from the permitted construction activity shall be effectively stabilized with sod and/or seed and mulch (or other technology specified by this permit or project plans) in a sufficient quantity and manner to prevent erosion and any potential siltation to surface waters or wetlands. Temporary stabilization measures shall be installed before or upon commencement of the permitted activity and shall be maintained until permanent measures are in place. Permanent measures shall be in place within five (5) days of achieving final grade.

6) All raw earth within 100 feet of a lake, stream, or wetland that is not brought to final stabilization by the end of the active growing season shall be temporarily stabilized with mulch blankets in accordance with the following dates: September 20th for the Upper Peninsula, October 1st for the Lower Peninsula north of US-10, and October 10th for the Lower Peninsula south of US-10.

7) This permit placard shall be kept posted at the work site, in a prominent location at all times for the duration of the project, or until permit expiration.

EGLE-WRD
WRP027869 v1.0
Approved
Issued On:03/04/2021
Expires On:03/04/2026

8) This permit is being issued for the maximum time allowed and no extensions of this permit will be granted. Initiation of the construction work authorized by this permit indicates the permittee's acceptance of this condition. The permit, when signed by EGLE, will be for a five-year period beginning at the date of issuance. If the project is not completed by the expiration date, a new permit must be sought.

9) All fill/backfill shall consist of clean inert material that will not cause siltation nor contain soluble chemicals, organic matter, pollutants, or contaminants. All fill shall be contained in such a manner so as not to erode into any surface water, floodplain, or wetland. All raw areas associated with the permitted activity shall be stabilized with sod and/or seed and mulch, riprap, or other technically effective methods as necessary to prevent erosion.

10) All dredge/excavated spoils including organic and inorganic soils, vegetation, and other material removed shall be placed on upland (non-wetland, non-floodplain or non-bottomland), prepared for stabilization, revegetated and reseeded with native Michigan species appropriate to the site, and mulched in such a manner so as to prevent and ensure against erosion of any material into any waterbody, wetland, or floodplain.

11) During removal of the existing structure, every precaution shall be taken to prevent debris from entering any watercourse. Any debris reaching the watercourse during the removal of the structure shall be immediately retrieved from the water. All material shall be disposed of in an acceptable manner consistent with local, state, and federal regulations.

12) Prior to the removal of the existing structures, cofferdams of steel sheet piling, gravel bags, clean stone, coarse aggregate, concrete or other acceptable barriers shall be installed to isolate all construction activity from the water. The barriers shall be maintained in good working order throughout the duration of the project. Upon project completion, the accumulated materials shall be removed and disposed of at an upland site.

13) All cofferdam and temporary steel sheet pile shall then be removed in its entirety, unless specifically shown to be left in plan on the accepted plans. Cofferdam and sheet pile that is left in place shall be cut off at the elevation shown on the plans and shall be a minimum of one foot below the stream bottom.

14) The existing structure shall be kept open to pass the stream flow during removal of the existing road fill.

15) The placement of the new culvert and the initial placement of fill in the stream shall be done immediately after removal of the existing culvert. The placement shall be conducted in such a manner that all flow is immediately passed through the new culverts, allowing the major placement of fill to be done in the dry or in still water where erosion and sedimentation will be minimized. The fill material used in this initial placement shall be washed gravel, coarse aggregate, or rock and shall be placed at both ends of the culvert to a level above normal water level before backfill material is placed.

16) The culvert shall be installed to align with the center line of the existing stream at both the inlet and outlet ends and must be recessed into the stream bed to provide a natural channel substrate throughout the structure, as shown on the approved plans.

17) Road fill side slopes shall not be steeper than 1-on-2 (1 vertical to 2 horizontal) except where headwalls of reinforced concrete, mortar masonry, dry masonry, or other acceptable methods are used.

18) Road fill side slopes terminating in the stream and any raw streambanks resulting from the construction shall be stabilized with temporary measures in accordance with appropriate Best Management

EGLE-WRD
WRP027869 v1.0
Approved
Issued On:03/04/2021
Expires On:03/04/2026

Practices based on site conditions, and if necessary, may be riprapped extending above the ordinary high water mark, before or upon commencement of the permitted activity. Temporary stabilization measures shall be maintained until permanent measures are in place.

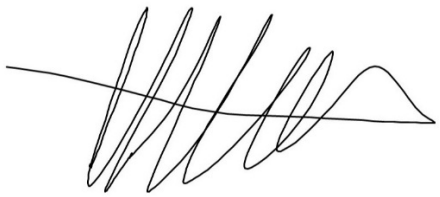
19) All other road fill slopes, ditches, and other raw areas draining directly to the stream may be protected with riprap, sod and/or seed and mulch as may be necessary to provide effective erosion protection. The placement of riprap shall be limited to the minimum necessary to ensure proper stabilization of the side slopes and fill in the immediate vicinity of the structure.

20) If the project, or any portion of the project, is stopped and lies incomplete for any length of time other than that encountered in a normal work week, every precaution shall be taken to protect the incomplete work from erosion, including the placement of temporary gravel bag riprap, temporary seed and mulch, or other acceptable temporary protection.

21) No work shall be done in the stream during periods of above-normal flows except as necessary to prevent erosion.

22) Rock riprap shall be placed so that it does not narrow up the stream or interfere with stream flows in and out of the culvert.

23) Prior to the start of construction, all adjacent non-work wetland areas shall be protected by properly trenched sedimentation barrier to prevent sediment from entering the wetland. Sedimentation barrier shall be maintained daily throughout the construction process. Upon project completion, the accumulated materials shall be removed and disposed of at an upland site. The sedimentation barrier shall then be removed in its entirety and the area restored to its original configuration and cover.

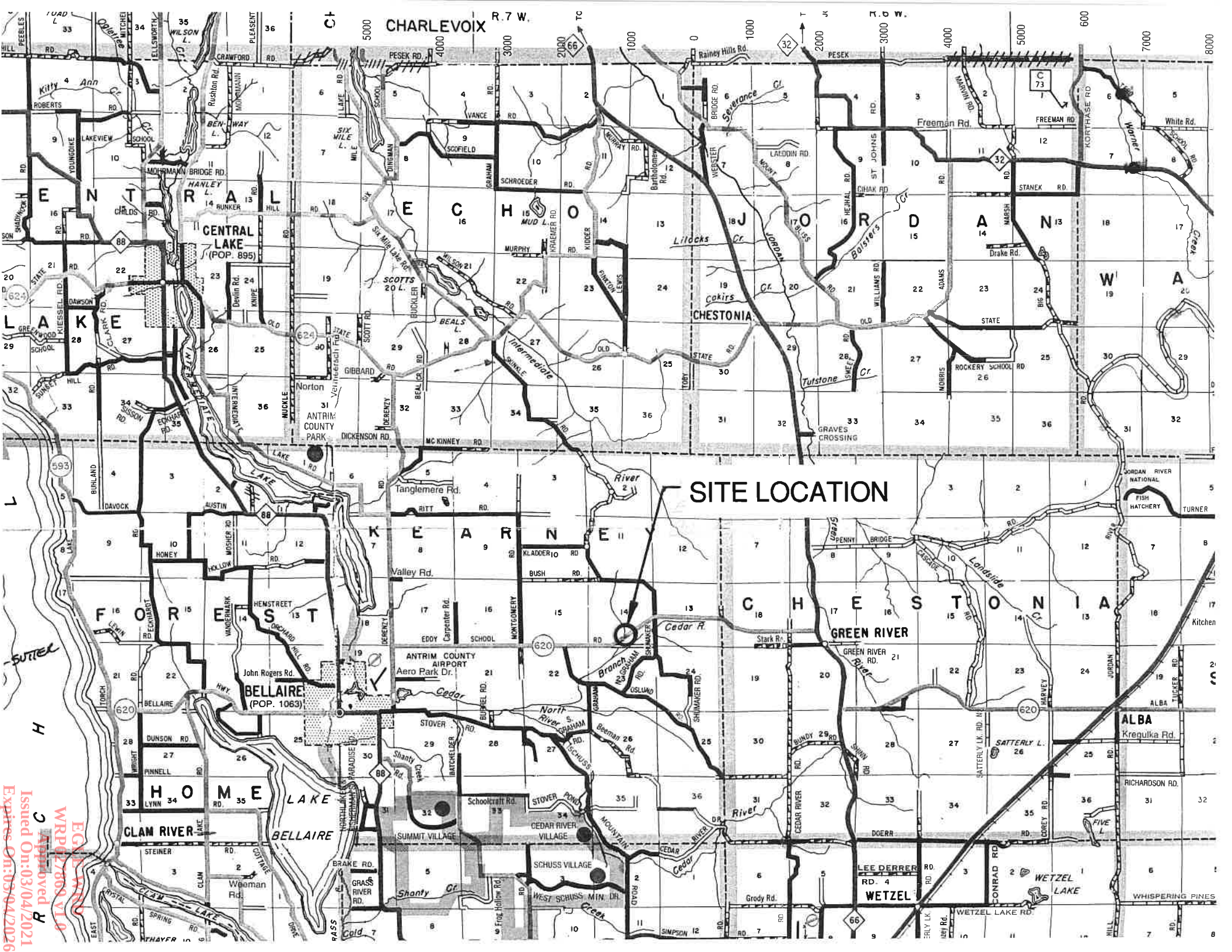


Issued By:

John Gustafson
Marquette District Office
Water Resources Division
906-203-9887

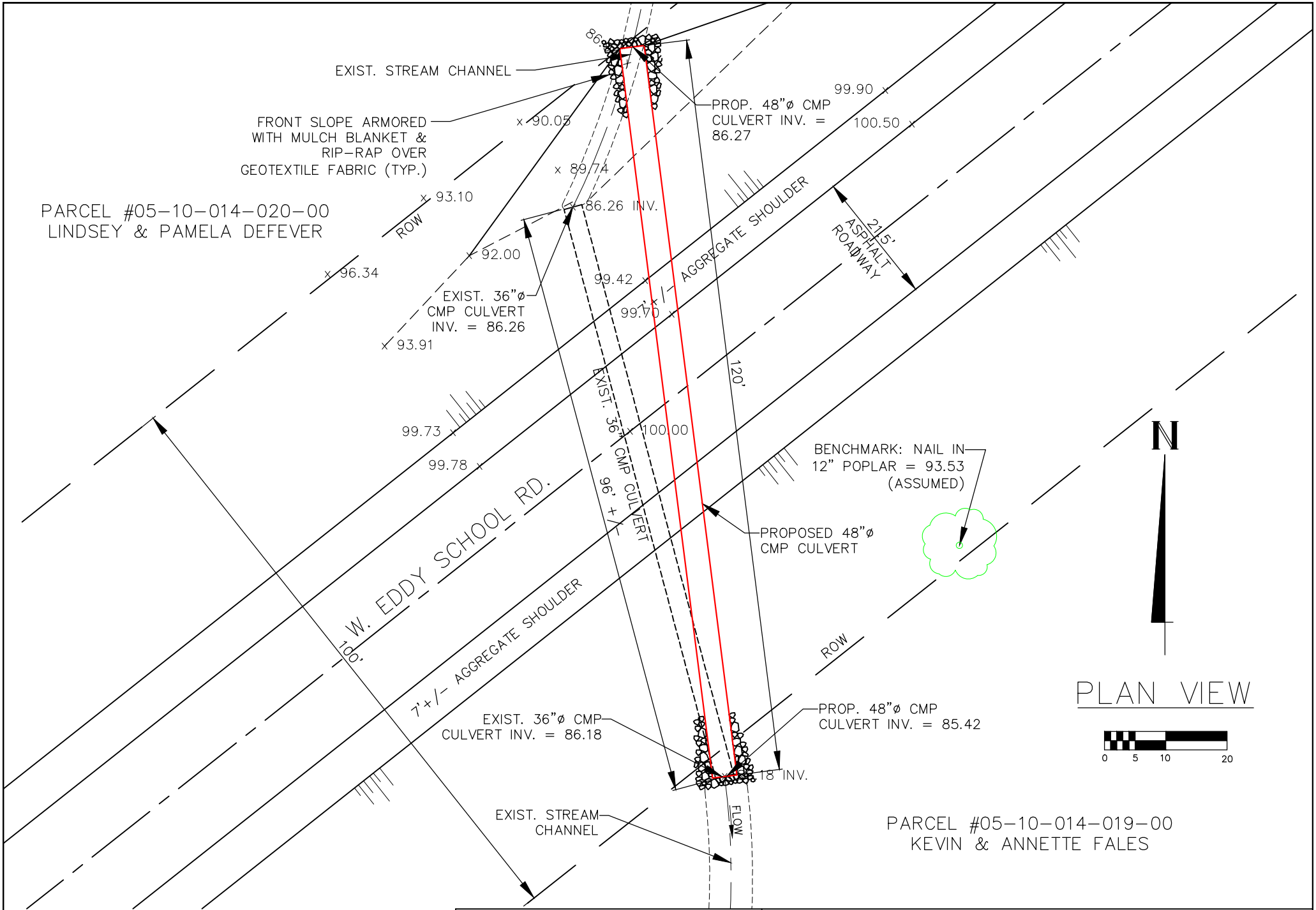
cc: Kearney Township Clerk
Antrim County CEA

EGLE-WRD
WRP027869 v1.0
Approved
Issued On:03/04/2021
Expires On:03/04/2026


SITE LOCATION
CHARLEVOIX
CENTRAL LAKE
(POP. 895)
ANTRIM COUNTY PARK
ANTRIM COUNTY AIRPORT
Aero Park Dr.
BELLAIRE
(POP. 1063)
CHESTONIA
GREEN RIVER
ALBA
WETZEL
WETZEL LAKE
CLAM RIVER
SUMMIT VILLAGE
CEDAR RIVER VILLAGE
SCHUSS VILLAGE
GRAVES CROSSING
Norton
Veenderish Rd.
Tanglemere Rd.
Valley Rd.
Aero Park Dr.
John Rogers Rd.
Schoolcraft Rd.
Grody Rd.
Kregulka Rd.
Freeman Rd.
Drake Rd.
Rockery School Rd
Rainey Hills Rd.
Landslide
Cedar R.
Cedar River
Shanty Creek
Lilocks Cr.
Balsters Cr.
Tutstone Cr.
Cokirs Cr.
Severance Cr.
Jordan River
Intermediate
Six Mile Lake Rd.
Wetzel Lake Rd.
Whispering Pines
Richardson Rd.
Jordan River National Fish Hatchery
Green River
Stover Pond
Mountain
Schuss Mtn. Dr.
Frog Hollow Rd.
Weeman Rd.
Brake Rd.
Grass River Rd.
Lee Derrer Rd.
Doerr
Rd. 4
Satterly Lk.
Satterly L.
Five L.
Wetzel Lake
Cedar River Rd.
Conrad Rd.
Torch Lake
Lake Bellaire
Clam Lake
Cold Creek
Kitty Ann Ct.
Ben-Way L.
Hanley L.
Six Mile L.
Scotts L.
Beals L.
Mud L.
Bellaire
Kitchen Creek
Cedar River
Jordan River
Green River
Cedar River
Cedar
Shanty Creek
Cold Creek
Clam River
Clam Lake
Torch Lake
Lake Bellaire
Six Mile Lake
Hanley L.
Ben-Way L.
Mud L.
Scotts L.
Beals L.
Six Mile L.
Satterly L.
Five L.
Wetzel Lake
Kitty Ann Ct.
Severance Cr.
Lilocks Cr.
Balsters Cr.
Tutstone Cr.
Cokirs Cr.
Intermediate
Landslide
Cedar R.
Cedar River
Jordan River
Green River

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

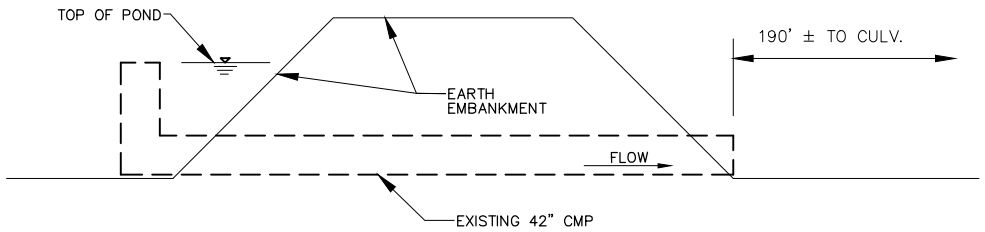
EGLE-WRD
WRP027869 v1.0
Approved
Issued On:03/04/2021
Expires On:03/04/2026



ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

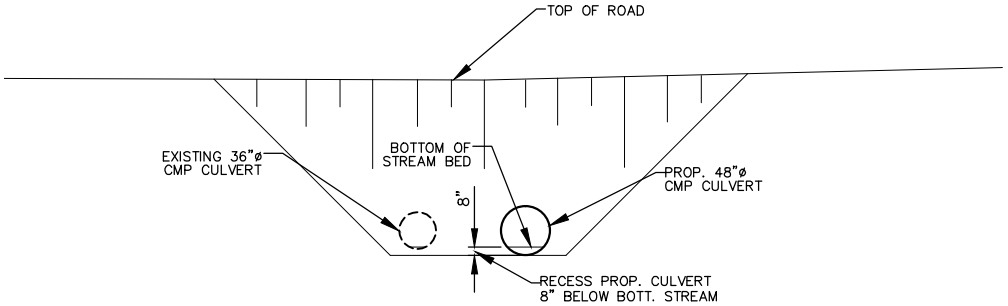
Project Name: EDDY SCHOOL RD CULVERT REPLACEMENT		
Drawing: PROPOSED CULVERT - PLAN VIEW		
Date	Job Number	Drawing Number
02/09/2021	N/A	1 of 2

EGLE-WRD
WRP027069 v1.0
Approved
Issued On:03/04/2021
Expires On:03/04/2026



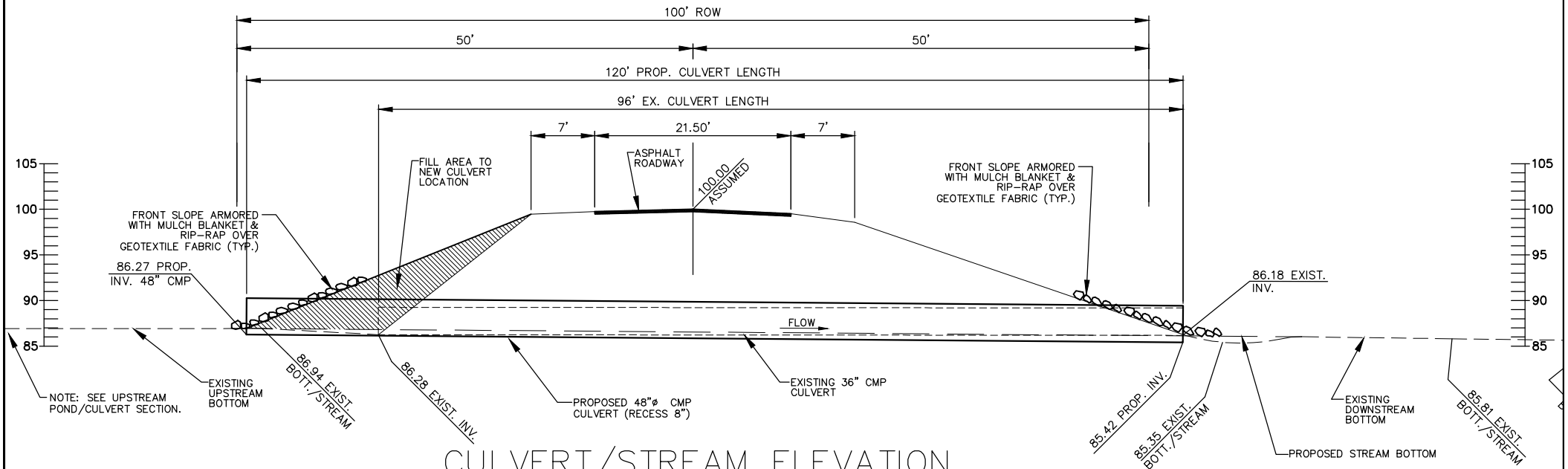
UPSTREAM POND/CULVERT SECTION

NOT TO SCALE



CULVERT CROSS-SECTION @ ROAD C/L

NOT TO SCALE
(LOOKING NORTHWEST – PERPINDICULAR TO ROAD)



CULVERT/STREAM ELEVATION

NOT TO SCALE
(LOOKING NORTHEAST – PARALLEL TO ROAD)

ANTRIM COUNTY ROAD COMMISSION
319 E. Lincoln St., P.O. Box 308
Mancelona, MI 49659-0308
ph. 231-587-8521 fax. 231-8156
E-mail: email@antrimcrc.org

Project Name: EDDY SCHOOL RD CULVERT REPLACEMENT		
Drawing: PROPOSED CULVERT - ELEVATION VIEW		
Date	Job Number	Drawing Number
02/09/2021	N/A	2 of 2

EGLE-WRD
WRP027869 v1.0
Approved
Issued On:03/04/2021
Expires On:03/04/2026

"General Decision Number: MI20230001 01/06/2023

Superseded General Decision Number: MI20220001

State: Michigan

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

Counties: Michigan Statewide.

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

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $16.20 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 2023.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2023.

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

Additional information on contractor requirements and worker
protections under the Executive Orders is available at
http://www.dol.gov/whd/govcontracts.

Modification Number Publication Date
0 01/06/2023

CARP0004-004 06/01/2019

REMAINDER OF STATE

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

CARP0004-005 06/01/2018

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

AND WAYNE COUNTIES

	Rates	Fringes
CARPENTER (Piledriver)	$ 30.50	27.28

ELEC0017-005 06/01/2022

STATEWIDE

	Rates	Fringes
Line Construction		
Groundman/Driver	$ 29.57	7.20+32%
Journeyman Signal Tech, Communications Tech, Tower Tech & Fiber Optic Splicers	$ 43.90	7.20+32%
Journeyman Specialist	$ 50.49	7.20+32%
Operator A	$ 37.13	7.20+32%
Operator B	$ 34.67	7.20+32%

Classifications

Journeyman Specialist: Refers to a crew of only one person working alone.
Operator A: Shall be proficient in operating all power equipment including: Backhoe, Excavator, Directional Bore and Boom/Digger truck.
Operator B: Shall be proficient in operating any 2 of the above mentioned pieces of equipment listed under Operator A.

ENGI0324-003 06/01/2022

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

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
GROUP 1	$ 51.02	24.85
GROUP 2	$ 52.02	24.85
GROUP 3	$ 49.52	24.85
GROUP 4	$ 50.52	24.85
GROUP 5	$ 48.02	24.85
GROUP 6	$ 49.02	24.85
GROUP 7	$ 47.75	24.85
GROUP 8	$ 48.75	24.85
GROUP 9	$ 47.30	24.85
GROUP 10	$ 48.30	24.85
GROUP 11	$ 46.57	24.85
GROUP 12	$ 47.57	24.85
GROUP 13	$ 46.21	24.85
GROUP 14	$ 47.21	24.85
GROUP 15	$ 45.57	24.85
GROUP 16	$ 42.37	24.85
GROUP 17	$ 27.89	12.00
GROUP 18	$ 31.38	24.85

FOOTNOTE:

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

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Engineer when operating combination of boom and jib

400' or longer

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GROUP 16: Forklift and 1 drum hoist

GROUP 17: Compressor or welder operator

GROUP 18: Oiler

ENGI0324-004 06/01/2022

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

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

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
AREA 1		
GROUP 1	$ 51.02	24.85
GROUP 2	$ 47.75	24.85
GROUP 3	$ 46.21	24.85
GROUP 4	$ 42.37	24.85
GROUP 5	$ 27.89	12.00
GROUP 6	$ 31.38	24.85
AREA 2		
GROUP 1	$ 51.02	24.85

GROUP 2.....$ 47.75 24.85
GROUP 3.....$ 46.21 24.85
GROUP 4.....$ 42.37 24.85
GROUP 5.....$ 27.89 12.00
GROUP 6.....$ 31.38 24.85

FOOTNOTES:

Crane operator with main boom and jib 300' or longer: $1.50 additional to the group 1 rate. Crane operator with main boom and jib 400' or longer: $3.00 additional to the group 1 rate.
PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS:

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

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

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

GROUP 4: Air Tugger (single drum), Material Hoist Pump 6"" or over, Elevators, Brokk Concrete Breaker.

GROUP 5: Air Compressor, Welder, Generators, Conveyors

GROUP 6: Oiler and fire tender

ENGI0324-005 09/01/2022

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

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

	Rates	Fringes
OPERATOR: Power Equipment (Underground construction (including sewer))		
AREA 1:		
GROUP 1	$ 39.38	24.85
GROUP 2	$ 34.65	24.85
GROUP 3	$ 33.92	24.85
GROUP 4	$ 33.35	24.85
GROUP 5	$ 24.90	12.05
AREA 2:		
GROUP 1	$ 37.67	24.85
GROUP 2	$ 32.78	24.85
GROUP 3	$ 32.28	24.85
GROUP 4	$ 32.00	24.85
GROUP 5	$ 24.90	12.05

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backfiller tamper; Backhoe; Batch plant operator (concrete); Clamshell; Concrete paver (2 drums or larger);

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

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

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

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

Group 5: Fire Person, Oiler

ENGI0324-006 06/01/2022

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

	Rates	Fringes
Power equipment operators: (AIRPORT, BRIDGE & HIGHWAY CONSTRUCTION)		
GROUP 1	$ 38.86	24.85
GROUP 2	$ 32.13	24.85
GROUP 3	$ 31.57	24.85
GROUP 4	$ 31.40	24.85

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Asphalt plant operator; Crane operator (does not include work on bridge construction projects when the crane operator is erecting structural components); Dragline operator; Shovel operator; Locomotive operator; Paver

operator (5 bags or more); Elevating grader operator; Pile driving operator; Roller operator (asphalt); Blade grader operator; Trenching machine operator (ladder or wheel type); Auto-grader; Slip form paver; Self-propelled or tractor-drawn scraper; Conveyor loader operator (Euclid type); Endloader operator (1 yd. capacity and over); Bulldozer; Hoisting engineer; Tractor operator; Finishing machine operator (asphalt); Mechanic; Pump operator (6-in. discharge or over, gas, diesel powered or generator of 300 amp. or larger); Shouldering or gravel distributing machine operator (self- propelled); Backhoe (with over 3/8 yd. bucket); Side boom tractor (type D-4 or equivalent or larger); Tube finisher (slip form paving); Gradall (and similar type machine); Asphalt paver (self- propelled); Asphalt planer (self-propelled); Batch plant (concrete-central mix); Slurry machine (asphalt); Concrete pump (3 in. and over); Roto-mill; Swinging boom truck (over 12 ton capacity); Hydro demolisher (water blaster); Farm-type tractor with attached pan; Vacuum truck operator; Batch Plant (concrete dry batch); Concrete Saw Operator (40h.p. or over; Tractor Operator (farm type); Finishing Machine Operator (concrete); Grader Operator (self-propelled fine grade or form (concrete)).

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

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

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

ENGI0324-007 05/01/2022

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

	Rates	Fringes
OPERATOR: Power Equipment (Steel Erection)		
Compressor, welder and forklift	$ 37.40	24.60
Crane operator, main boom & jib 120' or longer	$ 43.87	24.60
Crane operator, main boom & jib 140' or longer	$ 44.17	24.60
Crane operator, main boom & jib 220' or longer	$ 44.17	24.60
Mechanic with truck and tools	$ 43.00	24.60
Oiler and fireman	$ 35.86	24.60
Regular operator	$ 41.22	24.60

ENGI0324-008 10/01/2020

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

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

	Rates	Fringes
OPERATOR: Power Equipment (Sewer Relining)		
GROUP 1	$ 35.37	14.31
GROUP 2	$ 33.33	14.31

SEWER RELINING CLASSIFICATIONS

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

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

---

ENGI0325-012 05/01/2022

	Rates	Fringes
Power equipment operators - gas distribution and duct installation work:		
GROUP 1	$ 34.83	24.85
GROUP 2	$ 32.55	24.85

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

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

GROUP 2: Dozer (less than D-6 equivalent), endloader (under 2 yd. capacity), side boom (under D-4 capacity), backfiller, pumps (1 or 2 of 6-inch discharge or greater), boom truck (with powered boom), tractor (wheel type other than backhoe or front endloader). Tamper (self-propelled), boom truck (with non-powered boom), concrete saw (20 hp or larger), pumps (2 to 4 under 6-inch discharge), compressor (2 or more or when one is used continuously into the second day) and trencher(service). Oiler, hydraulic pipe pushing machine, grease person and hydrostatic testing operator.

IRON0008-007 06/01/2022

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

	Rates	Fringes

Ironworker - pre-engineered
metal building erector.....$ 23.70 6.95
IRONWORKER
General contracts
$10,000,000 or greater.....$ 38.14 28.70
General contracts less
than $10,000,000.....$ 38.14 28.70

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

IRON0025-002 06/01/2021

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

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

IRON0055-005 07/01/2022

LENAWEE AND MONROE COUNTIES:

	Rates	Fringes
IRONWORKER		
Pre-engineered metal buildings	$ 23.59	19.35
All other work	$ 33.00	27.20

IRON0292-003 06/01/2020

BERRIEN AND CASS COUNTIES:

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

IRON0340-001 06/19/2022

ALLEGAN, ANTRIM, BARRY, BENZIE, BRANCH, CALHOUN, CHARLEVOIX, EATON, EMMET, GRAND TRAVERSE, HILLSDALE, IONIA, KALAMAZOO, KALKASKA, KENT, LAKE, LEELANAU, MANISTEE, MASON, MECOSTA,

MISSAUKEE, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA,
OTTAWA, ST. JOSEPH, VAN BUREN AND WEXFORD COUNTIES:

	Rates	Fringes
IRONWORKER (Including pre-engineered metal building erector)	$ 24.59	25.43

LABO0005-006 10/01/2022

	Rates	Fringes
Laborers - hazardous waste abatement: (ALCONA, ALPENA, ANTRIM, BENZIE, CHARLEVOIX, CHEBOYGAN, CRAWFORD, EMMET, GRAND TRAVERSE, IOSCO, KALKASKA, LEELANAU, MISSAUKEE, MONTMORENCY, OSCODA, OTSEGO, PRESQUE ISLE AND WEXFORD COUNTIES - Zone 10)		
Levels A, B or C	$ 17.45	12.75
class b	$ 18.64	12.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;		
Also, Level D	$ 16.45	12.75
class a	$ 17.64	12.90
Zone 10		
Laborers - hazardous waste abatement: (ALGER, BARAGA, CHIPPEWA, DELTA, DICKINSON, GOGEBIC, HOUGHTON, IRON, KEWEENAW, LUCE, MACKINAC, MARQUETTE, MENOMINEE, ONTONAGON AND SCHOOLCRAFT COUNTIES - Zone 11)		
Levels A, B or C	$ 25.18	12.90
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;		
Also, Level D	$ 22.58	12.90
Laborers - hazardous waste abatement: (ALLEGAN, BARRY, BERRIEN, BRANCH, CALHOUN, CASS, IONIA COUNTY (except the city of Portland); KALAMAZOO, KENT, LAKE, MANISTEE, MASON, MECOSTA, MONTCALM, MUSKEGON, NEWAYGO, OCEANA, OSCEOLA, OTTAWA, ST. JOSEPH AND VAN BUREN COUNTIES - Zone 9)		
Levels A, B or C	$ 21.88	13.26
Work performed in conjunction with site preparation not requiring the use of personal protective equipment;		
Also, Level D	$ 20.80	12.90
Laborers - hazardous waste abatement: (ARENAC, BAY, CLARE, GLADWIN, GRATIOT, HURON, ISABELLA, MIDLAND, OGEMAW, ROSCOMMON, SAGINAW AND TUSCOLA COUNTIES - Zone 8)		
Levels A, B or C	$ 23.74	12.95
Work performed in		

conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 20.80 12.90
Laborers - hazardous waste
abatement: (CLINTON, EATON
AND INGHAM COUNTIES; IONIA
COUNTY (City of Portland);
LIVINGSTON COUNTY (west of
Oak Grove Rd., including the
City of Howell) - Zone 6)
Levels A, B or C.....$ 26.33 12.95
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 24.64 12.90
Laborers - hazardous waste
abatement: (GENESEE, LAPEER
AND SHIAWASSEE COUNTIES -
Zone 7)
Levels A, B or C.....$ 24.20 13.80
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 23.20 13.80
Laborers - hazardous waste
abatement: (HILLSDALE,
JACKSON AND LENAWEE COUNTIES
- Zone 4)
Levels A, B or C.....$ 27.13 14.95
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 24.17 12.90
Laborers - hazardous waste
abatement: (LIVINGSTON COUNTY
(east of Oak Grove Rd. and
south of M-59, excluding the
city of Howell); AND
WASHTENAW COUNTY - Zone 3)
Levels A, B or C.....$ 29.93 14.20
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 28.93 14.20
Laborers - hazardous waste
abatement: (MACOMB AND WAYNE
COUNTIES - Zone 1)
Levels A, B or C.....$ 29.93 16.90
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 28.93 16.90
Laborers - hazardous waste
abatement: (MONROE COUNTY -
Zone 4)
Levels A, B or C.....$ 31.75 14.90
Work performed in
conjunction with site
preparation not requiring
the use of personal
protective equipment;
Also, Level D.....$ 31.75 14.90
Laborers - hazardous waste

abatement: (OAKLAND COUNTY
and the Northeast portion of
LIVINGSTON COUNTY bordered by
Oak Grove Road on the West
and M-59 on the South - Zone
2)
     Level A, B, C.....$ 29.93 16.90
     Work performed in
     conjunction with site
     preparation not requiring
     the use of personal
     protective equipment;
     Also, Level D.....$ 28.93 16.90
Laborers - hazardous waste
abatement: (SANILAC AND ST.
CLAIR COUNTIES - Zone 5)
     Levels A, B or C.....$ 26.21 16.62
     Work performed in
     conjunction with site
     preparation not requiring
     the use of personal
     protective equipment;
     Also, Level D.....$ 24.75 16.35

 LABO0259-001 09/01/2022

AREA 1: MACOMB, OAKLAND AND WAYNE COUNTIES
AREA 2: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA,
BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX,
CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA,
DICKINSON, EATON, EMMET, GENESEE, GLADWIN, GOGEBIC, GRAND
TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA,
IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT,
KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LIVINGSTON, LUCE,
MACKINAC, MANISTEE, MARQUETTE, MASON, MECOSTA, MENOMINEE,
MIDLAND, MISSAUKEE, MONROE, MONTCALM, MONTMORENCY, MUSKEGON,
NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO,
OTTAWA, PRESQUE ISLE, ROSCOMMON, SAGINAW, ST. CLARE, ST.
JOSEPH, SANILAC, SCHOOLCRAFT, SHIAWASSEE, TUSCOLA, VAN BUREN,
WASHTENAW AND WEXFORD COUNTIES

	Rates	Fringes
Laborers - tunnel, shaft and caisson:		
AREA 1		
GROUP 1	$ 23.62	16.95
GROUP 2	$ 23.73	19.95
GROUP 3	$ 23.79	16.95
GROUP 4	$ 23.97	16.95
GROUP 5	$ 24.22	16.95
GROUP 6	$ 24.55	16.95
GROUP 7	$ 17.83	16.95
AREA 2		
GROUP 1	$ 25.15	12.95
GROUP 2	$ 25.24	12.95
GROUP 3	$ 25.34	12.95
GROUP 4	$ 25.50	12.95
GROUP 5	$ 25.76	12.95
GROUP 6	$ 26.07	12.95
GROUP 7	$ 18.34	12.95

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

TUNNEL LABORER CLASSIFICATIONS

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

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

GROUP 3: Air tool operator (jackhammer, bush hammer and grinder), first bottom, second bottom, cage tender, car pusher, carrier, concrete, concrete form, concrete repair, cement invert laborer, cement finisher, concrete shoveler, conveyor, floor, gasoline and electric tool operator, gunite, grout operator, welder, heading dinky person, inside lock tender, pea gravel operator, pump, outside lock tender, scaffold, top signal person, switch person, track, tugger, utility person, vibrator, winch operator, pipe jacking, wagon drill and air track operator and concrete saw operator (under 40 h.p.)

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

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

GROUP 6: Dynamite and powder

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

LABO0334-001 09/01/2021

	Rates	Fringes
Laborers - open cut:		
ZONE 1 - MACOMB, OAKLAND AND WAYNE COUNTIES:		
GROUP 1	$ 23.47	16.95
GROUP 2	$ 23.58	16.95
GROUP 3	$ 23.63	16.95
GROUP 4	$ 23.71	16.95
GROUP 5	$ 23.77	16.95
GROUP 6	$ 21.22	16.95
GROUP 7	$ 17.84	16.95
ZONE 2 - LIVINGSTON COUNTY (east of M-151 (Oak Grove Rd.)); MONROE AND WASHTENAW COUNTIES:		
GROUP 1	$ 24.80	12.95
GROUP 2	$ 24.91	12.95
GROUP 3	$ 25.03	12.95
GROUP 4	$ 25.10	12.95
GROUP 5	$ 25.25	12.95
GROUP 6	$ 22.55	12.95
GROUP 7	$ 19.19	12.95
ZONE 3 - CLINTON, EATON, GENESEE, HILLSDALE AND INGHAM COUNTIES; IONIA COUNTY (City of Portland); JACKSON, LAPEER AND LENAWEE COUNTIES; LIVINGSTON COUNTY (west of M-151 Oak Grove Rd.); SANILAC, ST. CLAIR AND SHIAWASSEE COUNTIES:		
GROUP 1	$ 22.99	12.95
GROUP 2	$ 23.13	12.95
GROUP 3	$ 23.25	12.95
GROUP 4	$ 23.30	12.95
GROUP 5	$ 23.44	12.95
GROUP 6	$ 20.74	12.95
GROUP 7	$ 17.89	12.95
ZONE 4 - ALCONA, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARRY, BAY, BENZIE,		

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

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

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

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

SCOPE OF WORK:

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

OPEN CUT LABORER CLASSIFICATIONS

GROUP 1: Construction laborer

GROUP 2: Mortar and material mixer, concrete form person, signal person, well point person, manhole, headwall and

catch basin builder, headwall, seawall, breakwall and dock builder

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

GROUP 4: Trench or excavating grade person

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

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

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

LABO0465-001 06/01/2022

LABORER: Highway, Bridge and Airport Construction

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

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

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

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

	Rates	Fringes
LABORER (AREA 1)		
GROUP 1	$ 32.02	13.95
GROUP 2	$ 32.15	13.95
GROUP 3	$ 32.33	13.95
GROUP 4	$ 32.41	13.95
GROUP 5	$ 32.62	13.95
GROUP 6	$ 32.92	13.95
LABORER (AREA 2)		
GROUP 1	$ 26.92	12.90
GROUP 2	$ 27.12	12.90
GROUP 3	$ 27.36	12.90
GROUP 4	$ 27.71	12.90
GROUP 5	$ 27.58	12.90
GROUP 6	$ 27.92	12.90
LABORER (AREA 3)		
GROUP 1	$ 26.22	12.90
GROUP 2	$ 26.43	12.90
GROUP 3	$ 26.72	12.90
GROUP 4	$ 27.16	12.90
GROUP 5	$ 26.78	12.90

GROUP 6	$ 27.21	12.90
LABORER (AREA 4)		
GROUP 1	$ 26.22	12.90
GROUP 2	$ 26.43	12.90
GROUP 3	$ 26.72	12.90
GROUP 4	$ 27.16	12.90
GROUP 5	$ 26.78	12.90
GROUP 6	$ 27.21	12.90

LABORER CLASSIFICATIONS

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

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

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

GROUP 4: Asphalt raker

GROUP 5: Pipe layers, oxy-gun

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

LABO1076-005 04/01/2022

MICHIGAN STATEWIDE

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

DISTRIBUTION WORK - The construction, installation, treating and reconditioning of distribution pipelines transporting coal, oil, gas or other similar materials, vapors or liquids, including pipelines within private property boundaries, up to and including the meter settings on residential, commercial, industrial, institutional, private and public structures. All work covering pumping stations

and tank farms not covered by the Building Trades Agreement. Other distribution lines with the exception of sewer, water and cable television are included.

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

Zone 1 - Macomb, Oakland and Wayne
Zone 2 - Monroe and Washtenaw
Zone 3 - Bay, Genesee, Lapeer, Midland, Saginaw, Sanilac, Shiawassee and St. Clair
Zone 4 - Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft
Zone 5 - Remaining Counties in Michigan

PAIN0022-002 07/01/2008

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

	Rates	Fringes
PAINTER	$ 25.06	14.75

FOOTNOTES: For all spray work and journeyman rigging for spray work, also blowing off, $0.80 per hour additional (applies only to workers doing rigging for spray work on off the floor work. Does not include setting up or moving rigging on floor surfaces, nor does it apply to workers engaged in covering up or tending spray equipment. For all sandblasting and spray work performed on highway bridges, overpasses, tanks or steel, $0.80 per hour additional. For all brushing, cleaning and other preparatory work (other than spraying or steeplejack work) at scaffold heights of fifty (50) feet from the ground or higher, $0.50 per hour additional. For all preparatorial work and painting performed on open steel under forty (40) feet when no scaffolding is involved, $0.50 per hour additional. For all swing stage work-window jacks and window belts-exterior and interior, $0.50 per hour additional. For all spray work and sandblaster work to a scaffold height of forty (40) feet above the floor level, $0.80 per hour additional. For all preparatorial work and painting on all highway bridges or overpasses up to forty (40) feet in height, $0.50 per hour additional. For all steeplejack work performed where the elevation is forty (40) feet or more, $1.25 per hour additional.

PAIN0312-001 06/01/2018

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

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

PAIN0845-003 05/10/2018

CLINTON COUNTY; EATON COUNTY (does not include the townships of Bellevue and Olivet); INGHAM COUNTY; IONIA COUNTY (east of Hwy.

M 66); LIVINGSTON COUNTY (west of the eastern city limits of Howell, including the city of Howell, north to the Genesee County line and south to the Washtenaw County line); AND SHIAWASSEE COUNTY (Townships of Bennington, Laingsbury and Perry):

	Rates	Fringes
PAINTER	$ 25.49	13.74

PAIN0845-015 05/10/2018

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

	Rates	Fringes
PAINTER	$ 25.49	13.74

PAIN0845-018 05/10/2018

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

	Rates	Fringes
PAINTER	$ 25.49	13.74

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

PAIN1011-003 06/02/2022

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

	Rates	Fringes
PAINTER	$ 24.66	14.99

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

PAIN1474-002 06/01/2010

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

	Rates	Fringes
PAINTER	$ 23.79	12.02

FOOTNOTES: Lead abatement work: $1.00 per hour additional. Work with any hazardous material: $1.00 per hour additional. Sandblasting, steam cleaning and acid cleaning: $1.00 per hour additional. Ladder work at or above 40 ft., scaffold work at or above 40 ft., swing stage, boatswain

chair, window jacks and all work performed over a falling height of 40 ft.: $1.00 per hour additional. Spray gun work, pick pullers and those handling needles, blowing off by air pressure, and any person rigging (setting up and moving off the ground): $1.00 per hour additional. Steeplejack, tanks, gas holders, stacks, flag poles, radio towers and beacons, power line towers, bridges, etc.: $1.00 per hour additional, paid from the ground up.

PAIN1803-003 06/01/2019

ALCONA, ALPENA, ANTRIM, ARENAC, BAY, BENZIE, CHARLEVOIX, CHEBOYGAN, CLARE, CRAWFORD, EMMET, GLADWIN, GRAND TRAVERSE, GRATIOT, IOSCO, ISABELLA, KALKASKA, LAKE, LEELANAU, MANISTEE, MASON, MIDLAND, MISSAUKEE, MONTMORENCY AND OGEMAW COUNTIES; OSCEOLA COUNTY (north of Hwy. #10); OSCODA, OTSEGO, PRESQUE ISLE, ROSCOMMON, SAGINAW AND WEXFORD COUNTIES:

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

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

PLAS0514-001 06/01/2018

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

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

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

PLUM0190-003 05/01/2015

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

	Rates	Fringes
Plumber/Pipefitter - gas distribution pipeline:		
Welding in conjunction with gas distribution pipeline work	$ 33.03	20.19
All other work:	$ 24.19	12.28

TEAM0007-004 06/01/2020

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

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

	Rates	Fringes
TRUCK DRIVER		
AREA 1		
Euclids, double bottoms and lowboys	$ 28.05	.50 + a+b
Trucks under 8 cu. yds.	$ 27.80	.50 + a+b
Trucks, 8 cu. yds. and over	$ 27.90	.50 + a+b
AREA 2		
Euclids, double bottomms and lowboys	$ 24.895	.50 + a+b
Euclids, double bottoms and lowboys	$ 28.15	.50 + a+b
Trucks under 8 cu. yds.	$ 27.90	.50 + a+b
Trucks, 8 cu. yds. and over	$ 28.00	.50 + a+b

Footnote:
a. $470.70 per week
b. $68.70 daily

TEAM0247-004 04/01/2013

AREA 1: ALCONA, ALGER, ALLEGAN, ALPENA, ANTRIM, ARENAC, BARAGA, BARRY, BAY, BENZIE, BERRIEN, BRANCH, CALHOUN, CASS, CHARLEVOIX, CHEBOYGAN, CHIPPEWA, CLARE, CLINTON, CRAWFORD, DELTA, DICKINSON, EATON, EMMET, GLADWIN, GOGEBIC, GRAND TRAVERSE, GRATIOT, HILLSDALE, HOUGHTON, HURON, INGHAM, IONIA, IOSCO, IRON, ISABELLA, JACKSON, KALAMAZOO, KALKASKA, KENT, KEWEENAW, LAKE, LAPEER, LEELANAU, LENAWEE, LUCE, MACKINAC, MANISTEE,

MARQUETTE, MASON, MECOSTA, MENOMINEE, MIDLAND, MISSAUKEE, MONTCALM, MONTMORENCY, MUSKEGON, NEWAYGO, OCEANA, OGEMAW, ONTONAGON, OSCEOLA, OSCODA, OTSEGO, OTTAWA, PRESQUE ISLE, ROSCOMMON, SANILAC, SCHOOLCRAFT, SHIAWASSEE, SAGINAW, ST. CLAIR, ST. JOSEPH, TUSCOLA, VAN BUREN AND WEXFORD COUNTIES

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

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

FOOTNOTE:

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

SIGN INSTALLER CLASSIFICATIONS:

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

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

---

TEAM0247-010 04/01/2018

AREA 1: LAPEER AND SHIAWASSEE COUNTIES

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

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

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

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

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Truck driver on all trucks (EXCEPT dump trucks of 8

cubic yards capacity or over, pole trailers, semis, low boys, Euclid, double bottom and fuel trucks)

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

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

SUMI2002-001 05/01/2002

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

WORK CLASSIFICATIONS:

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

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

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

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

==========

** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 ($16.20) or 13658 ($12.15). Please see the Note at the top of the wage determination for more information.

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

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

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

Union Rate Identifiers

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

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

Survey Rate Identifiers

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

in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

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

Union Average Rate Identifiers

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

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

WAGE DETERMINATION APPEALS PROCESS

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

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

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

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

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

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

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

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

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

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

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

==========

END OF GENERAL DECISIO"