



Antrim County Road Commission

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

July 27, 2022

REQUEST FOR BIDS – CULVERT REPLACEMENT

Sealed bids will be received until 1:00 PM, Tuesday, August 9, 2022, 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:

M 88: In Custer Township, approximately 380 feet north of Brake Road. Remove and replace culvert.

Construct new culvert in accordance with the attached MDOT Office Memorandum dated July 11, 2022. New culvert to be 29" X 45" elliptical concrete pipe 50 feet long (includes C distance) with gasketed joints and shall have end sections. Backfill with clean fill, minimum 10" 22A base, 4EL leveling course @ 220 lbs/syd and 5EL top course @ 220 lbs/syd.

One bid price is requested for all labor, equipment and material to remove existing culvert, place new culvert, remove and dispose unsuitable material, supply and place new material as needed, place gravel base, pave HMA and restore disturbed vegetated area with topsoil, fertilizer, seed and mulch

Construction shall be in accordance with MDOT 2020 Standard Specifications for Construction.

All traffic control shall be in accordance with the current MMUTCD part 6.

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

Label bid "**M 88 CULVERT BID**" plainly on the outside of a sealed envelope.

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

encl: MDOT Office Memorandum dated July 11, 2022
Soil boring log



OFFICE MEMORANDUM

DATE: July 11, 2022

TO: Matt Radulski
Operations Engineer – Gaylord TSC

FROM: Brandon Wegener, P.E.
Region Soils Engineer – North Region

SUBJECT: **Culvert Bedding Design for M-88 Culvert, CS 05031**

This scope of this project is installing a new 24” circular culvert or an elliptical equivalent at the culvert on M-88 approximately 365’ north of Brake Road, Antrim County. If the size of the culvert were to change, additional considerations will be necessary. The soil borings taken along this project indicate a subgrade of moderately compact fine sand (saturated) to a depth of 8.5-9.5’, and moderately compact brown fine sand with gravel (saturated) to a depth of 15’.

The existing culvert structure should be removed as described on the design plans and in section 203 of the MDOT 2020 Standard Specifications for Construction.

The culvert shall be constructed per section 401 and 406 of the MDOT 2020 Standard Specifications for Construction and per MDOT Standard plan R-82-Series. Construct pipe culvert bedding using 9” of 46G wrapped with a geotextile separator (overlap seams a minimum of 2’) under 4” of Class IIIA material for the entire length of the culvert.

Follow requirements of section 205 and 206 of the MDOT Standard Specifications for Construction when constructing embankments for the new culvert crossing and placing and compacting backfill for the new culvert structure.

Contact me at (989) 450-0939 if you have any questions.

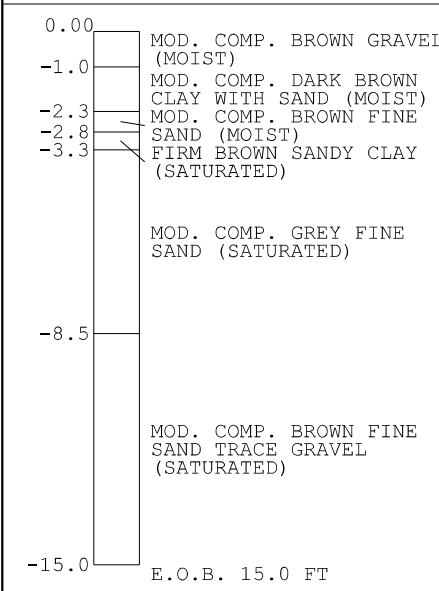
Cc: J. Maufort
B. Swanson
R. Hall
File

TEST HOLE NO. 1

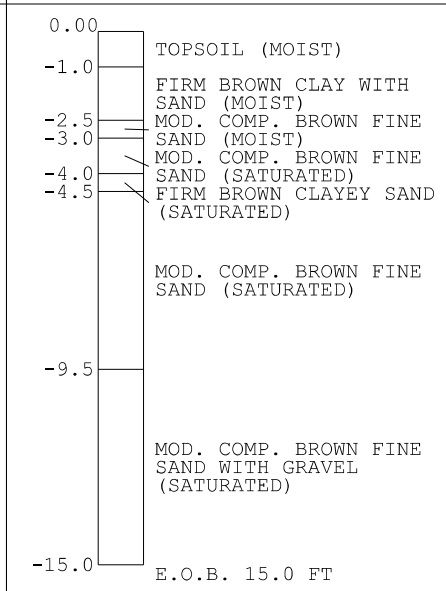
LOCATION STATION: 167+50
 18 FT RT OF M-88 CENTERLINE
 N: 592966.71, E: 19469643.86
 M-88 CULVERT NE QUAD
 GROUND SURFACE ELEVATION: 0.00 FT

TEST HOLE NO. 2

LOCATION STATION: 167+50
 24 FT LT OF M-88 CENTERLINE
 N: 592958.57, E: 19469596.83
 M-88 CULVERT SW QUAD
 GROUND SURFACE ELEVATION: 0.00 FT



BORING DATE 5/17/22
 NOTE: WATER TABLE NOTED AT 3.50'



BORING DATE 5/17/22
 NOTE: WATER TABLE NOTED AT 3.00'

NOTES:

CONSISTENCY WAS DETERMINED BY INSPECTION OF SAMPLES AND SUBSTANTIATED BY SOILS RESISTANCE TO DRILLING TOOLS.

THE SOIL BORING LOGS REPRESENT POINT INFORMATION. PRESENTATION OF THIS INFORMATION IN NO WAY IMPLIES THAT SUBSURFACE CONDITIONS ARE THE SAME AT LOCATIONS OTHER THAN THE EXACT LOCATION OF THE BORING.

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)			
NO.	DATE	AUTH	DESCRIPTION



NO SCALE

DRAWN BY: B.WEGENER DATE: 05/17/22	DATE: 05/17/22	CS: 05031
CHK'D BY: B.WEGENER CORR BY: NA	DESIGN UNIT: RADULSKI	JN:
FILE:	TSC: GAYLORD	

SOIL BORING DATA SHEET (1 OF 1)		DRAWING	SHEET
M-88 CULVERT NORTH OF BRAKE ROAD		BORING	SECT 1
		001	