PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF REPLACING THE CONCRETE DECK ON BRIDGE NO. HOC-93-12.480. PORTIONS OF THE ABUTMENTS WILL BE REBUILT, BEARING AT THE ABUTMENTS SHALL BE REPLACED AND APPROACH SLABS SHALL BE REMOVED AND REPLACED. PROJECT LENGTH IS 200 FEET AND TOTAL WORK LENGTH IS 600 FEET.

HISTORIC RECORDS

HISTORICAL RECORDS WERE OBTAINED FROM ODOT'S TRANSPORTATION INFORMATION MAPPING SYSTEM (TIMS) FOR HOC-33-9.73, SUB-BATCH NUMBERS 12496 AND 4461, COMPLETED IN 1963 AND 1964, RESPECTIVELY, FOR THE CURRENT US 33 ALIGNMENT (WHICH INCLUDES THE ORIGINAL INTERCHANGE WITH SR 93) AND BRIDGE NO. HOC-33-09874R, RESPECTIVELY. ADDITIONALLY, HISTORICAL RECORDS WERE OBTAINED FOR HOC-33-9.50, SUB-BATCH NUMBERS 4462, 4496, AND 12495, COMPLETED BETWEEN 1965 AND 1966 FOR BRIDGE NO. HOC-33-0987, BRIDGE NO. HOC-93-1248, AND REALIGNMENT OF 1-MILE OF US 33 FOR THE CURRENT INTERCHANGE WITH SR 93, RESPECTIVELY. RESULTS OF THESE EXPLORATIONS INDICATED COHESIVE SOILS WERE PRESENT AT THE GROUND SURFACE UNDERLAIN BY NON-COHESIVE SOILS. THIS HISTORICAL INFORMATION WAS NOT UTILIZED WITHIN THE CURRENT DESIGN THEREFORE NOT SHOWN WITHIN FOR CLARITY.

GEOLOGY

THE PROJECT IS LOCATED ON THE FLOODPLAIN OF THE HOCKING RIVER, OVER A PORTION OF THE DEEPLY FILLED VALLEY OF THE HOCKING RIVER. THIS AREA IS WITHIN THE TRANSITION OF SHAWNEE-MISSISSIPPIAN PLATEAU AND IRONTON PLATEAU PHYSIOGRAPHIC REGIONS AND IS CHARACTERIZED BY MODERATELY HIGH RELIEF WITH DISSECTED PLATEAUS. THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) INTERACTIVE GEOLOGIC MAP INDICATES THAT THE OVERBURDEN ALLUVIUM AND ALLUVIAL TERRACES ARE UNDERLAIN BY MISSISSIPPIAN-AGED FOSSILIFEROUS, ARGILLACEOUS LIMESTONE AND INTERBEDDED SHALE AND SANDSTONE OF THE LOGAN FORMATION, AND CUYAHOGA FORMATIONS, UNDIVIDED.

RECONNAISSANCE

FIELD RECONNAISSANCE WAS COMPLETED BY PERSONNEL FROM THE OFFICE OF GEOTECHNICAL ENGINEERING (OGE) ON MARCH 10, 2025. THE APPROACH ROADWAY PAVEMENT WAS NOTED AS BEING IN VERY GOOD CONDITION. THE BRIDGE DECK IS IN POOR CONDITION WITH POTHOLES, ASPHALT PATCHES, AND CRACKS IN THE PAVEMENT. THERE WERE NO SIGNS OF CURRENT EMBANKMENT INSTABILITY. THE STRUCTURE CARRIES SR 93 OVER RAILROAD TRACKS. THE ADJACENT LAND USAGE WAS NOTED AS BEING INDUSTRIAL.

SUBSURFACE EXPLORATION

TWO (2) BORINGS, B-001-0-25 AND B-002-0-25, WERE COMPLETED AS PART OF THE SUBSURFACE EXPLORATION BETWEEN APRIL 1 AND 9, 2025. DRILLING WAS COMPLETED WITH A TRUCK MOUNTED CME 75 ROTARY DRILL RIG UTILIZING 3.25-INCH I.D. HOLLOW STEM AUGERS. DISTURBED SAMPLES WERE COLLECTED IN ACCORDANCE WITH THE STANDARD PENETRATION TEST (AASHTO T206) AT 2.5-FOOT AND 5-FOOT INTERVALS WITHIN THE OVERBURDEN SOILS. THE HAMMER SYSTEM USED WAS CALIBRATED ON MAY 23, 2024, WITH AN AVERAGE DRILL ROD ENERGY RATIO (ER) OF 89%.

EXPLORATION FINDINGS

B-001-0-25 AND B-002-0-25 WERE COMPLETED WITHIN THE EXISTING ROADWAY ENCOUNTERING 3.8 AND 2.5-INCHES OF ASPHALT, RESPECTIVELY, UNDERLAIN BY 13.5 AND 13.0-INCHES OF CONCRETE, RESPECTIVELY. BENEATH THE SURFACE MATERIALS B-001-0-25 AND B-002-0-25 ENCOUNTERED NON-COHESIVE SOILS CONSISTING OF GRAVEL AND/OR STONE FRAGMENTS WITH SAND (A-1-b), GRAVEL AND/OR STONE FRAGMENTS WITH SAND AND SILT (A-2-4), AND GRAVEL AND STONE FRAGMENTS WITH SAND, SILT AND CLAY (A-2-6) WHICH EXTENDED TO ELEVATIONS 718.1 AND 724.4 FEET, RESPECTIVELY. THESE NON-COHESIVE SOILS RANGED FROM MEDIUM DENSE TO DENSE COMPACTNESS AND IN DAMP TO MOIST CONDITION UNDERLAIN BY COHESIVE SANDY SILT (A-4a), SILT (A-4b), AND SILT AND CLAY (A-6a) IN MEDIUM STIFF TO HARD CONSISTENCY AND IN VARIABLE MOISTURE CONDITION. B-001-0-25 AND B-002-0-25 ENCOUNTERED NON-COHESIVE SOILS AT ELEVATIONS 710.6 AND 711.9 FEET, RESPECTIVELY, INTO WHICH THE BORINGS WERE TERMINATED. THESE NON-COHESIVE SOILS CONSISTED OF GRAVEL AND STONE FRAGMENTS (A-1-a), GRAVEL AND/OR STONE FRAGMENTS WITH SAND (A-1-b), COARSE AND FINE SAND (A-3a), GRAVEL AND/OR STONE FRAGMENTS WITH SAND AND SILT (A-2-4), AND SANDY SILT (A-4a) RANGING FROM MEDIUM DENSE TO VERY DENSE COMPACTNESS, GENERALLY INCREASING IN COMPACTION WITH DEPTH, AND WET IN CONDITION.

IN B-001-0-25 CERAMIC PIPE AND SLAG FRAGMENTS WERE ENCOUNTERED WITHIN THE UPPER NON-COHESIVE SOILS JUST ABOVE THE COHESIVE SOIL LAYERS.

FREE WATER WAS ENCOUNTERED IN B-001-0-25 AND B-002-0-25 AT ELEVATIONS 733.3 AND 709.1 FEET, RESPECTIVELY. WATER ON COMPLETION WAS REPORTED IN B-001-0-25 AND B-002-0-25 AT ELEVATIONS 736.0 AND 736.6 FEET, RESPECTIVELY. STATIC WATER WAS REPORTED IN B-001-0-25 AT ELEVATION 710.2 FEET.

SPECIFICATIONS

THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS, DATED JANUARY 2025.

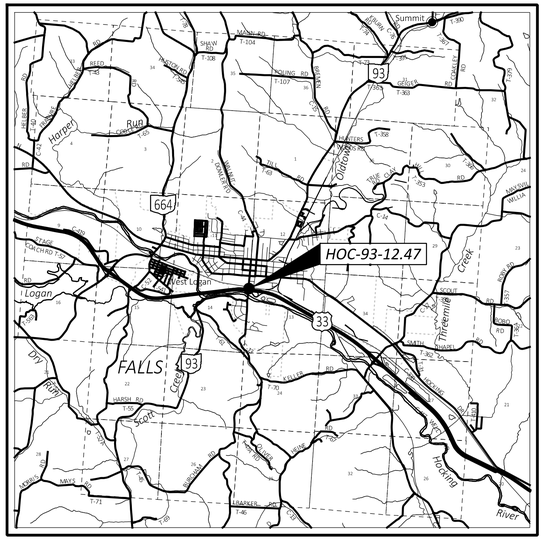
AVAILABLE INFORMATION

THE SOIL, BEDROCK, AND GROUNDWATER INFORMATION COLLECTED FOR THIS SUBSURFACE EXPLORATION THAT CAN BE CONVENIENTLY DISPLAYED ON THE GEOTECHNICAL PROFILE SHEETS HAS BEEN PRESENTED. GEOTECHNICAL REPORTS, IF PREPARED, ARE AVAILABLE FOR REVIEW ON THE OFFICE OF CONTRACT SALES WEBSITE.

LEGEND

	DESCRIPTION	ODOT CLASS	CLASSIFIED MECH./VISUAL	
	GRAVEL AND STONE FRAGMENTS	A-1-a	1	1
	GRAVEL AND/OR STONE FRAGMENTS WITH SAND	A-1-b	12	14
	COARSE AND FINE SAND	A-3a	1	1
	GRAVEL AND/OR STONE FRAGS. WITH SAND AND SILT	A-2-4	4	2
	GRAVEL AND STONE FRAGS. WITH SAND, SILT AND CLAY	A-2-6	3	2
	SANDY SILT	A-4a	2	-
	SILT	A-4b	2	2
	SILT AND CLAY	A-6a	1	-
		TOTAL	26	22
	PAVEMENT = X = APPROXIMATE THICKNESS	VISUAL		

- BORING LOCATION - PLAN VIEW.
- DRIVE SAMPLE BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY.
- WC — INDICATES WATER CONTENT IN PERCENT.
- N_{60} — INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.
- INDICATES FREE WATER ELEVATION.
- INDICATES WATER AT COMPLETION.
- INDICATES STATIC WATER ELEVATION.
- INDICATES A PLASTIC MATERIAL WITH A MOISTURE CONTENT EQUAL TO OR GREATER THAN THE LIQUID LIMIT MINUS 3.
- INDICATES A NON-PLASTIC MATERIAL WITH A MOISTURE CONTENT GREATER THAN 25 % OR GREATER THAN 19 % WITH A WET APPEARANCE.
- NP — INDICATES A NON-PLASTIC SAMPLE.
- SS — INDICATES A SPLIT SPOON SAMPLE.



LOCATION MAP

SCALE IN MILES

0 1 2 3 4

N

PARTICLE SIZE DEFINITIONS

12"	3"	2.0 mm	0.42 mm	0.074 mm	0.005 mm
BOULDERS | COBBLES		GRAVEL	COARSE SAND	FINE SAND	SILT | CLAY
		No. 10 SIEVE	No. 40 SIEVE	No. 200 SIEVE	

RECON. -	AMJ	03/10/25
DRILLING -	JAS	04/01-09/25
DRAWN -	ARR	12/11/25
REVIEWED -	SAT	12/17/25

GEOTECHNICAL PROFILE - BRIDGE
BRIDGE NO. HOC-93-12.480 OVER GENESEE & WYOMING RAILROAD

DESIGN AGENCY

DESIGNER ARR

REVIEWER SAT 12/17/25

PROJECT ID 120273

SUBSET 1 | TOTAL 6

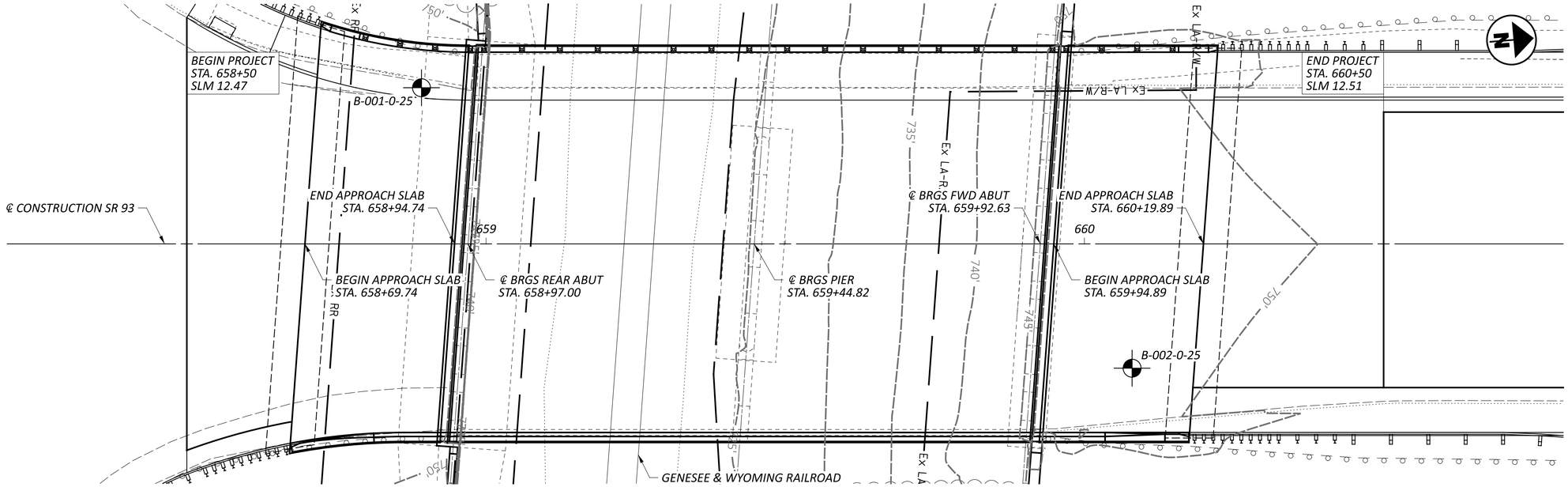
SHEET P.64 | TOTAL 69

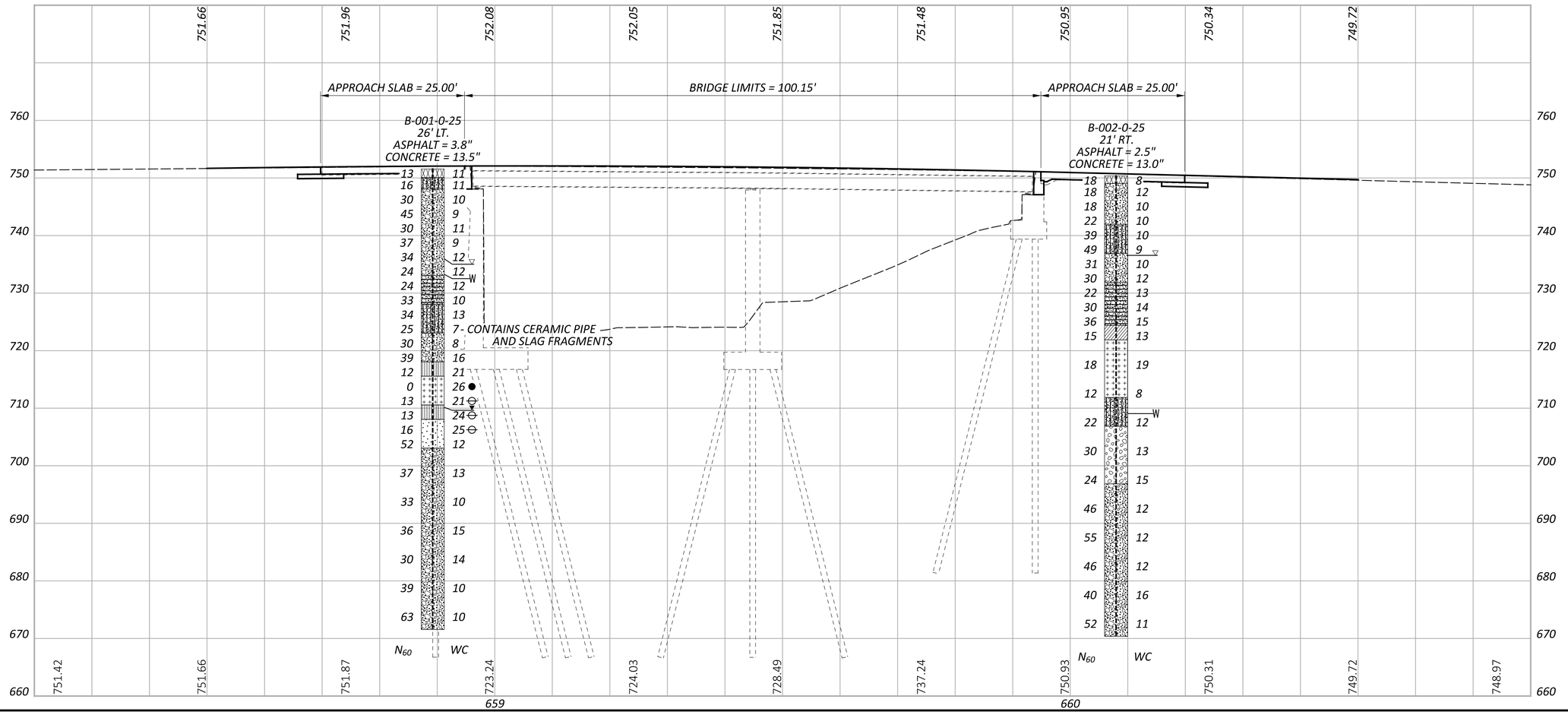
HOC-93-12.47

MODEL: Geotech Cover PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 TIME: 10:35:30 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Adam.Ross@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 120273 PRODUCT: OpenRoadsDesigner 24.00.00.205
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MODEL: CLP_6 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 TIME: 10:35:36 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Adam.Ross@dot.ohio.gov
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HOC-93-12.47





HORIZONTAL SCALE IN FEET
0 5 10 20

GEOTECHNICAL PROFILE - BRIDGE
BRIDGE NO. HOC-93-12.480 OVER GENESEE & WYOMING RAILROAD

DESIGN AGENCY

DESIGNER ARR
REVIEWER SAT 12/17/25
PROJECT ID 120273
SUBSET 2 TOTAL 6
SHEET P.65 TOTAL 69

HOC-93-12.47

MODEL: Boring Log for B-001-0-25 1of2 PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 TIME: 10:35:48 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Adam.Ross@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 120273 PRODUCT: OpenRoadsDesigner 24.00.00.205
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PROJECT: HOC-93-12.47	DRILLING FIRM/OPERATOR: ODOT/D. Weis	DRILL RIG: CME 75 Truck NWJ	STATION/OFFSET: 658+89, 26' Lt.	EXPLORATION ID
TYPE: Bridge	SAMPLING FIRM/LOGGER: ODOT/J. Sprouse	HAMMER: Automatic	ALIGNMENT: CL SR 93	B-001-0-25
PID: 120273 SFN: 3702162 (E)	DRILLING METHOD: 3.25" HSA	CALIBRATION DATE: 05/23/2024	ELEVATION: 751.6 (ft.) EOB: 80.0 ft.	PAGE
START: 04/07/2025 END: 04/09/2025	SAMPLING METHOD: SPT	ENERGY RATIO (%): 89	LAT/LONG: 39.535672, -82.407475	1OF2

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%) GR	CS	FS	SI	CL	ATTERBERG LL	PL	PI	WC	ODOT CLASS (GI)	BACK FILL
ASPHALT 3.8 IN	751.2																	
CONCRETE 13.5 IN	750.1																	
GRAVEL AND STONE FRAGMENTS WITH SAND AND SILT, medium dense, reddish brown, trace clay, damp.	748.1		3 4 5	13	67	SS-1		23	25	27	15	10	23	16	7	11	A-2-4(0)	
GRAVEL AND STONE FRAGMENTS WITH SAND, medium dense, reddish brown, little sand, trace clay, moist.			2 4 7	16	56	SS-2		-	-	-	-	-	-	-	-	11	A-1-b (V)	
			7 9 11	30	100	SS-3		15	44	20	14	7	NP	NP	NP	10	A-1-b(0)	
@8.5'; dense			13 14 16	45	83	SS-4		36	28	16	13	7	NP	NP	NP	9	A-1-b(0)	
@11.0'; medium dense			9 10 10	30	89	SS-5		-	-	-	-	-	-	-	-	11	A-1-b (V)	
@13.5'; dense			10 12 13	37	78	SS-6		-	-	-	-	-	-	-	-	9	A-1-b (V)	
		▽ 736.0																
			10 13 10	34	83	SS-7		-	-	-	-	-	-	-	-	12	A-1-b (V)	
	733.1	W 733.3																
GRAVEL AND STONE FRAGMENTS WITH SAND, SILT, AND CLAY, medium dense, reddish brown, moist.			10 7 9	24	78	SS-8		37	24	15	13	11	28	16	12	12	A-2-6(0)	
	728.1		7 8 8	24	72	SS-9		-	-	-	-	-	-	-	-	12	A-2-6 (V)	
GRAVEL AND STONE FRAGMENTS WITH SAND AND SILT, dense, brown and gray, trace clay, moist.			7 10 12	33	67	SS-10		-	-	-	-	-	-	-	-	10	A-2-4 (V)	
	723.1		8 9 14	34	94	SS-11		19	13	35	23	10	NP	NP	NP	13	A-2-4(0)	
GRAVEL AND STONE FRAGMENTS WITH SAND, medium dense, brown, little silt, trace clay, contains ceramic pipe and slag fragments, damp.			9 7 10	25	78	SS-12		45	21	19	11	4	NP	NP	NP	7	A-1-b(0)	
			10 10 10	30	78	SS-13		-	-	-	-	-	-	-	-	8	A-1-b (V)	
	718.1																	
SANDY SILT, hard, brown and black, some gravel and stone fragments, little clay, damp.			3 2 24	39	61	SS-14	4.25	24	17	19	27	13	24	19	5	16	A-4a(1)	
	715.6																	
SILT, stiff, brown and black, some sand, some clay, moist.			2 3 5	12	83	SS-15	1.00	-	-	-	-	-	-	-	-	21	A-4b (V)	
@38.5'; medium stiff, brown, wet			0 0 0	0	89	SS-16	0.75	0	2	21	55	22	27	18	9	26	A-4b(8)	
	710.6																	
SANDY SILT, medium dense, brown and gray, little clay, trace gravel, wet.		▽ 710.2	0 4 5	13	100	SS-17		1	5	37	44	13	NP	NP	NP	21	A-4a(4)	
	708.1																	
COARSE AND FINE SAND, medium dense, brown and gray, little silt, trace gravel, trace clay, wet.			2 4 5	13	100	SS-18		5	5	70	15	5	NP	NP	NP	24	A-3a(0)	
			4 4 7	16	100	SS-19		-	-	-	-	-	-	-	-	25	A-3a (V)	
	703.1																	
GRAVEL AND STONE FRAGMENTS WITH SAND, very dense, brown and reddish brown, little silt, trace clay, wet.			10 21 14	52	56	SS-20		46	15	20	16	3	NP	NP	NP	12	A-1-b(0)	
@53.5'; dense			8 11 14	37	61	SS-21		-	-	-	-	-	-	-	-	13	A-1-b (V)	
			14 11 11	33	56	SS-22		-	-	-	-	-	-	-	-	10	A-1-b (V)	
	691.6																	

NOTES: Latitude/Longitude from Juniper Geode GNS3 GPS receiver. Elevation from project digital terrain model.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: Tremied 40 gal. bentonite grout; Collapsed to 35.0'; Auger cuttings mixed with 100 lbs. bentonite chips; Placed concrete & asphalt patch.

GEOTECHNICAL PROFILE - BRIDGE
BRIDGE NO. HOC-93-12.480 OVER GENESEE & WYOMING RAILROAD
BORING LOG FOR B-001-0-25

MODEL: Boring Log for B-001-0-25 2of2 PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 TIME: 10:36:15 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Adam.Ross@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 120273 PRODUCT: OpenRoadsDesigner 24.00.00.205
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PID: 120273	SFN: 3702162 (E)	PROJECT: HOC-93-12.47	STATION/OFFSET: 658+89.21, 26.1 L	START: 04/07/2025	END: 04/09/2025	PG2 OF2	B-001-0-25

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%) GR	CS	FS	SI	CL	ATTERBERG LL	PL	PI	WC	ODOT CLASS (GI)	BACK FILL
GRAVEL AND STONE FRAGMENTS WITH SAND, dense, brown and reddish brown, little silt, trace clay, wet.		61																
		62																
		63																
@63.5'; brown		64	8 13 11	36	83	SS-23		32	23	32	11	2	NP	NP	NP	15	A-1-b(0)	
		65																
		66																
		67																
		68																
@68.5'; medium dense		69	8 8 12	30	89	SS-24		-	-	-	-	-	-	-	-	14	A-1-b (V)	
		70																
		71																
		72																
		73																
@73.5'; dense, trace silt		74	16 14 12	39	50	SS-25		49	29	11	8	3	NP	NP	NP	10	A-1-b(0)	
		75																
		76																
		77																
		78																
@78.5'; very dense		79	11 20 22	63	56	SS-26		-	-	-	-	-	-	-	-	10	A-1-b (V)	
	671.6	EOB																
		80																
		81																
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		121																

NOTES: Latitude/Longitude from Juniper Geode GNS3 GPS receiver. Elevation from project digital terrain model.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: Tremied 40 gal. bentonite grout; Collapsed to 35.0'; Auger cuttings mixed with 100 lbs. bentonite chips; Placed concrete & asphalt patch.

GEOTECHNICAL PROFILE - BRIDGE
BRIDGE NO. HOC-93-12.480 OVER GENESEE & WYOMING RAILROAD
BORING LOG FOR B-001-0-25 (CONT.)

MODEL: Boring Log for B-002-0-25 1of2 PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 TIME: 10:36:40 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Adam.Ross@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 120273 PRODUCT: OpenRoadsDesigner 24.00.00.205
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PROJECT: HOC-93-12.47	DRILLING FIRM/OPERATOR: ODOT/D. Weis	DRILL RIG: CME 75 Truck NWJ	STATION/OFFSET: 660+08, 21' Rt.	EXPLORATION ID
TYPE: Bridge	SAMPLING FIRM/LOGGER: ODOT/J. Sprouse	HAMMER: Automatic	ALIGNMENT: CL SR 93	B-002-0-25
PID: 120273 SFN: 3702162 (E)	DRILLING METHOD: 3.25" HSA	CALIBRATION DATE: 05/23/2024	ELEVATION: 750.4 (ft.) EOB: 80.0 ft.	PAGE
START: 04/01/2025 END: 04/02/2025	SAMPLING METHOD: SPT	ENERGY RATIO (%): 89	LAT/LONG: 39.535986, -82.407274	1OF2

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%) GR	CS	FS	SI	CL	ATTERBERG LL	PL	PI	WC	ODOT CLASS (GI)	BACK FILL
ASPHALT 2.5 IN	750.1																	
CONCRETE 13.0 IN	749.1																	
GRAVEL WITH SAND, very stiff, brown, little silt, trace clay, damp.			2 6 6	18	67	SS-1		26	32	21	13	8	19	14	5	8	A-1-b(0)	
@3.5'; moist			4 6 6	18	78	SS-2		-	-	-	-	-	-	-	-	12	A-1-b (V)	
			6 6 6	18	72	SS-3		-	-	-	-	-	-	-	-	10	A-1-b (V)	
	741.9																	
GRAVEL WITH SAND AND SILT, medium dense, brown, little clay, damp.			8 5 10	22	89	SS-4		19	34	18	18	11	24	15	9	10	A-2-4(0)	
@11.0'; dense			7 11 15	39	100	SS-5		-	-	-	-	-	-	-	-	10	A-2-4 (V)	
	736.9	▽ 736.6																
GRAVEL WITH SAND, dense, brown, little silt, trace clay, damp.			14 16 17	49	94	SS-6		16	37	27	13	7	NP	NP	NP	9	A-1-b(0)	
			10 8 13	31	100	SS-7		29	25	23	15	8	21	15	6	10	A-1-b(0)	
	731.9																	
GRAVEL AND STONE FRAGMENTS WITH SAND, SILT, AND CLAY, medium dense, brown, damp.			8 8 12	30	83	SS-8		56	20	7	11	6	29	16	13	12	A-2-6(0)	
			6 6 9	22	78	SS-9		34	21	15	17	13	32	16	16	13	A-2-6(1)	
			7 9 11	30	61	SS-10		-	-	-	-	-	-	-	-	14	A-2-6 (V)	
	724.4																	
SILT AND CLAY, hard, brown, some sand, some stone fragments, damp.			8 9 15	36	78	SS-11	4.50	24	12	16	29	19	26	15	11	15	A-6a(3)	
	721.9																	
SILT, stiff, brown, some clay, little sand, trace stone fragments, little recovery from split spoon, additional material taken from auger, damp.			7 5 5	15	33	SS-12	2.00	-	-	-	-	-	-	-	-	13	A-4b (V)	
@33.5'; very stiff			5 5 7	18	89	SS-13	3.50	2	0	14	60	24	28	20	8	19	A-4b(8)	
	711.9																	
GRAVEL WITH SAND AND SILT, medium dense, brown, trace clay, damp.			2 4 4	12	56	SS-14		22	26	37	10	5	NP	NP	NP	8	A-2-4(0)	
		W 709.1																
	706.9																	
GRAVEL AND STONE FRAGMENTS, medium dense, brown, some sand, little silt, trace clay, wet.			7 5 10	22	44	SS-15		63	11	11	13	2	NP	NP	NP	12	A-1-a(0)	
@48.5'; poor recovery; additional auger cuttings taken			13 11 9	30	22	SS-16		-	-	-	-	-	-	-	-	13	A-1-a (V)	
	696.9																	
GRAVEL AND STONE FRAGMENTS WITH SAND, medium dense, brown, little silt, trace clay, wet.			9 9 7	24	78	SS-17		39	29	16	13	3	NP	NP	NP	15	A-1-b(0)	
@58.5'; dense			9 11 20	46	100	SS-18		-	-	-	-	-	-	-	-	12	A-1-b (V)	
	690.4																	

NOTES: Latitude/Longitude from Juniper Geode GNS3 GPS receiver. Elevation from project digital terrain model.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: Tremied 40 gal. bentonite grout; Collapsed to 32.2'; Auger cuttings mixed with 100 lbs. bentonite chips; Placed concrete & asphalt patch.

SHEET	SUBSET	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.68 / TOTAL 69	5 / TOTAL 6	120273	SAT 12/17/25	ARR	

GEOTECHNICAL PROFILE - BRIDGE
BRIDGE NO. HOC-93-12.480 OVER GENESEE & WYOMING RAILROAD
BORING LOG FOR B-002-0-25

MODEL: Boring Log for B-002-0-25 2of2 PAPERSIZE: 34x22 (in.) DATE: 12/17/2025 TIME: 10:37:07 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Adam.Ross@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 120273 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 10\Hocking\120273\400-Engineering\Geotechnical\Sheets\120273_ZL001.dgn

PID: 120273	SFN: 3702162 (E)	PROJECT: HOC-93-12.47	STATION/OFFSET: 660+07.97, 20.8 R	START: 04/01/2025	END: 04/02/2025	PG2 OF2	B-002-0-25

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N_{60}	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%) GR	CS	FS	SI	CL	ATTERBERG LL	PL	PI	WC	ODOT CLASS (GI)	BACK FILL
GRAVEL AND STONE FRAGMENTS WITH SAND, medium dense, brown, little silt, trace clay, wet.		61–63																
@63.5'; very dense		64–65	9 17 20	55	44	SS-19		-	-	-	-	-	-	-	-	12	A-1-b (V)	
		66–68																
@68.5'; dense, gray		69–70	17 16 15	46	67	SS-20		20	36	28	12	4	NP	NP	NP	12	A-1-b(0)	
		71–73																
		74–75	4 10 17	40	83	SS-21		-	-	-	-	-	-	-	-	16	A-1-b (V)	
		76–78																
@78.5'; very dense, trace silt		79–80	15 18 17	52	78	SS-22		46	26	15	9	4	NP	NP	NP	11	A-1-b(0)	
	670.4	EOB																
		81–121																

NOTES: Latitude/Longitude from Juniper Geode GNS3 GPS receiver. Elevation from project digital terrain model.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: Tremied 40 gal. bentonite grout; Collapsed to 32.2'; Auger cuttings mixed with 100 lbs. bentonite chips; Placed concrete & asphalt patch.

GEOTECHNICAL PROFILE - BRIDGE
BRIDGE NO. HOC-93-12.480 OVER GENESEE & WYOMING RAILROAD
BORING LOG FOR B-002-0-25 (CONT.)