LEGEND

(1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE, 12.5 MM, TYPE A (449)

(2) ITEM 442 - 1 1/2" ASPHALT CONCRETE INTERMEDIATE, 12.5 MM, TYPE A (449)

(3) ITEM 407 - TACK COAT (APPLICATION RATE PER 407.06)

(4) ITEM 302 - 12 1/2" ASPHALT CONCRETE BASE, PG64-22 (449)*

(5) ITEM 304 - 6" AGGREGATE BASE

(6) LOAD TRANSFER PLATFORM #

(7) ITEM 605 - 6" SHALLOW PIPE UNDERDRAIN

(8) (2) EXISTING 4" METAL CONDUITS
(THESE DO NOT NEED TO BE REPLACED)

(9) ITEM 203 - EMBANKMENT

(10) ITEM 618 - RUMBLE STRIPS

(11) ITEM 659 - SEEDING AND MULCHING

(A) 1 1/4'' ASPHALT CONCRETE SURFACE COURSE

(B) ASPHALT CONCRETE INTERMEDIATE COURSE, VARIABLE DEPTH

(C) 4 1/2'' BITUMINOUS AGGREGATE BASE

(D) 9'' REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
(HAM-4W-7.81 (1956) FILE #08C1412)

(E) 6'' AGGREGATE BASE

(F) SHALLOW UNDERDRAIN

(G) CONDUIT, 713.04, (2) 4'' CONDUITS

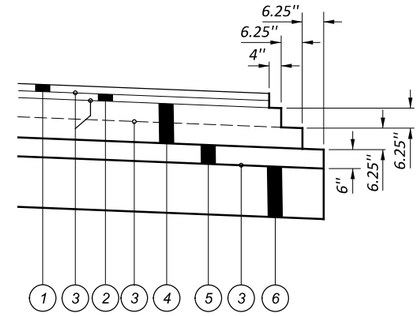
(H) 50'' CONCRETE BARRIER TYPE B

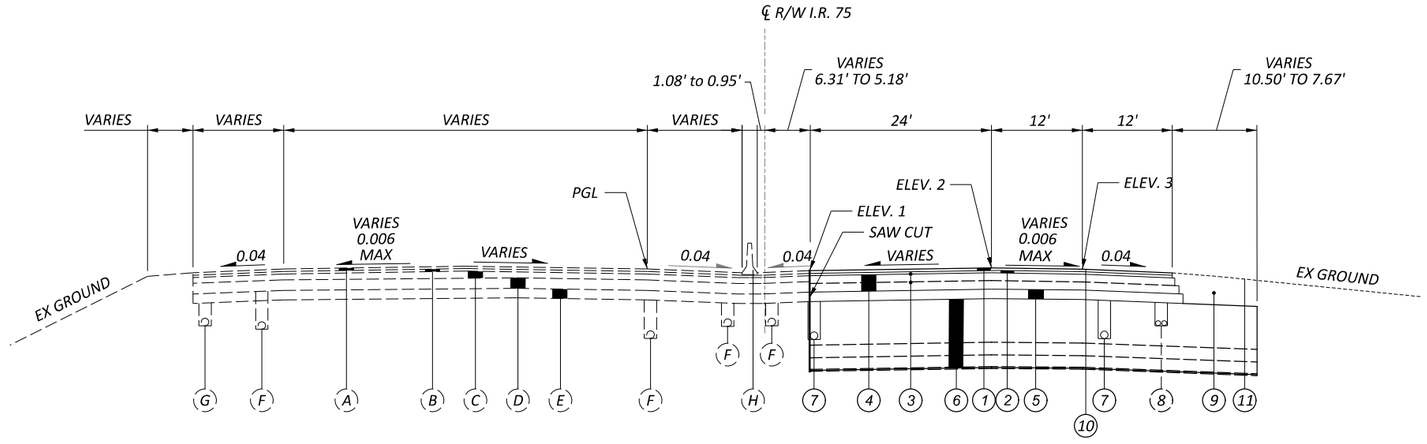
* PLACE ASPHALT CONCRETE BASE COURSE IN TWO EQUAL LIFTS

LOAD TRANSFER PLATFORM (LTP) TO BE DESIGNED BY CONTRACTOR.
IT IS EXPECTED THAT THE LTP WILL CONSIST OF:
3.5' MIN. ITEM 304 - AGGREGATE BASE (CRUSHED CARBONATE STONE)
3 LAYERS OF ITEM 863 GEOGRID
ITEM 204 GEOTEXTILE FABRIC

NOTES:
1. AGGREGATE LOAD TRANSFER PLATFORM IS SUPPORTED BY RIGID INCLUSIONS. SEE NOTES ON SHEET P.5
2. ALL GEOGRID, OR OTHER REINFORCING LAYERS, DESIGNED AS PART OF THE LOAD TRANSFER PLATFORM SHALL BE BELOW ELEVATION 529.25. THE INTENT OF THIS REQUIREMENT IS TO PREVENT THE NEED FOR THE INSTALLATION OF FUTURE UNDERDRAINS TO CUT THROUGH THESE REINFORCING LAYERS

STEP DETAIL





EXISTING I.R. 75 SECTION WITH GROUND IMPROVEMENTS

STA 413+87.40 TO STA 414+80.78
(EXISTING TYPICAL PER PID 82286)

NOTE: IN THE PATCH AREA THE THICKNESS OF THE EXISTING PAVEMENT ASPHALT IS 4'.

PAVEMENT ELEVATIONS			
STATION	ELEV. 1	ELEV. 2	ELEV. 3
413+50.00	533.18	533.57	533.37
413+75.00	533.39	533.78	533.59
414+00.00	533.59	533.98	533.79
414+25.00	533.80	534.19	534.08
414+50.00	533.94	534.40	534.36

GROUND IMPROVEMENTS TYPICAL SECTIONS - I.R. 75

HAM-75-7.80

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 6/20/2024 TIME: 5:13:48 PM USER: qlachen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\119436401-Engineering_Stantec\Roadway\Sheets\77889GY002.dgn

DESIGN AGENCY
Stantec
10200 Alliance Road
Suite 300
Cincinnati OH 45242
(513) 842-8200

DESIGNER
SNS

REVIEWER
EMK 03-22-24

PROJECT ID
119436

SHEET P.2 | TOTAL 14

SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3-5	6-8		11										01/IMS/06						
																		ROADWAY	
			504										504	202	23001	504	SY	PAVEMENT REMOVED, AS PER PLAN	4
			504										504	202	23500	504	SY	WEARING COURSE REMOVED	
			735										735	203	10000	735	CY	EXCAVATION	
			100										100	203	20000	100	CY	EMBANKMENT	
605													605	203	98100	605	SY	ROADWAY, MISC.: RIGID INCLUSIONS	5
LS													LS	SPECIAL	69098400	LS		CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	5
																		EROSION CONTROL	
			1,133										1,133	659	00300	1,133	CY	TOPSOIL	
			10,200										10,200	659	10000	10,200	SY	SEEDING AND MULCHING	
			1.38										1.38	659	20000	1.38	TON	COMMERCIAL FERTILIZER	
			2.11										2.11	659	31000	2.11	ACRE	LIME	
			56										56	659	35000	56	MGAL	WATER	
1,000													1,000	832	30000	1,000	EACH	EROSION CONTROL	
																		DRAINAGE	
LS													LS	SPECIAL	53000200	LS		STRUCTURES, MISC.: DETENTION VAULT INSPECTION	3
			189										189	605	11100	189	FT	6" SHALLOW PIPE UNDERDRAINS	
20													20	611	01500	20	FT	6" CONDUIT, TYPE F	
LS													LS	611	99920	LS		DRAINAGE STRUCTURE, MISC.: DRAINAGE SYSTEM INSPECTION	3
																		PAVEMENT	
			177										177	302	56000	177	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
			87										87	304	20000	87	CY	AGGREGATE BASE	
			84										84	407	10000	84	GAL	TACK COAT	
			21										21	442	22100	21	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449)	
			21										21	442	22300	21	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (449)	
			95										95	618	40100	95	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
																		TRAFFIC SURVEILLANCE	
LS													LS	809	70000	LS		MAINTAINING ITS DURING CONSTRUCTION	
																		TRAFFIC CONTROL	
			4										4	621	00100	4	EACH	RPM	
			0.04										0.04	644	00104	0.04	MILE	EDGE LINE, 6"	
			0.04										0.04	644	00204	0.04	MILE	LANE LINE, 6"	
																		MAINTENANCE OF TRAFFIC	
	500												500	614	11110	500	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	LS												LS	614	12420	LS		DETOUR SIGNING	
	20												20	614	18600	20	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN	
	0.12												0.12	614	20110	0.12	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
	0.1												0.1	614	20560	0.1	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
	0.12												0.12	614	22110	0.12	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
	0.05												0.05	614	22360	0.05	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
	1												1	616	10000	1	MGAL	WATER	
	2												2	808	18700	2	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
	8												8	896	00010	8	SNMT	PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS I	
	2												2	896	00021	2	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	8
																		INCIDENTALS	
													LS	614	11000	LS		MAINTAINING TRAFFIC	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

HAM-75-7.80

MODEL: Sheet_Surf1 PAPERSIZE: 17x11 (in.) DATE: 6/20/2024 TIME: 5:14:32 PM USER: qiechen
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\119436401-Engineering_Stantec\Roadway\Sheets\119436_GG001.dgn

DESIGN AGENCY

Stantec
10200 Alliance Road,
Suite 300
Cincinnati, OH 45242
(513) 842-8200

DESIGNER	SNS
REVIEWER	EMK 03-22-24
PROJECT ID	119436
SHEET	P.10
TOTAL	14