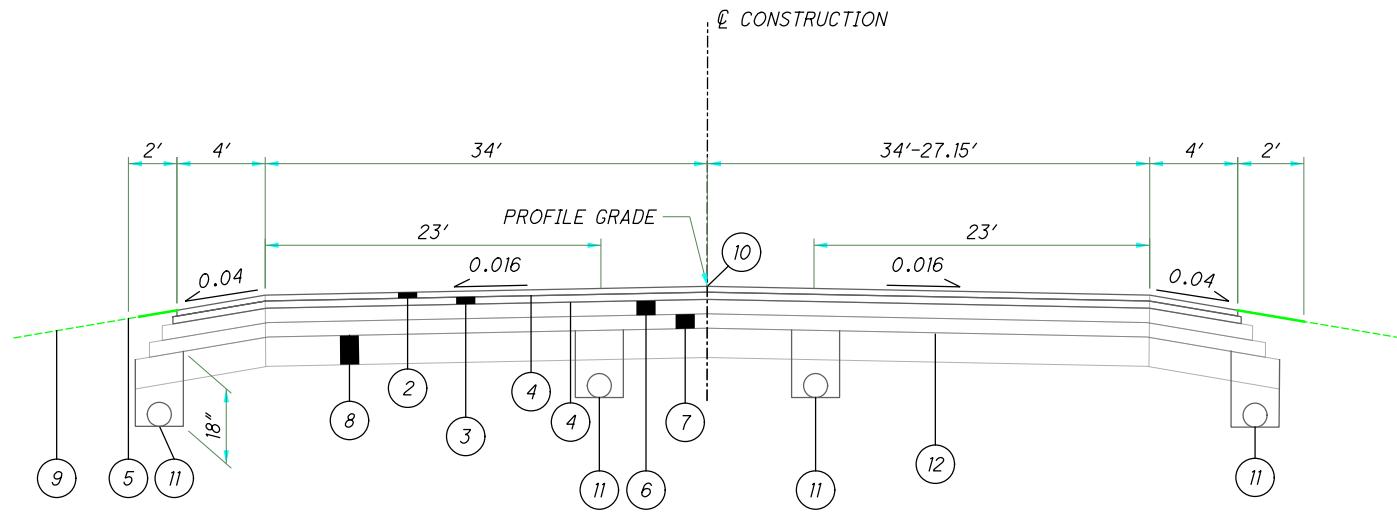
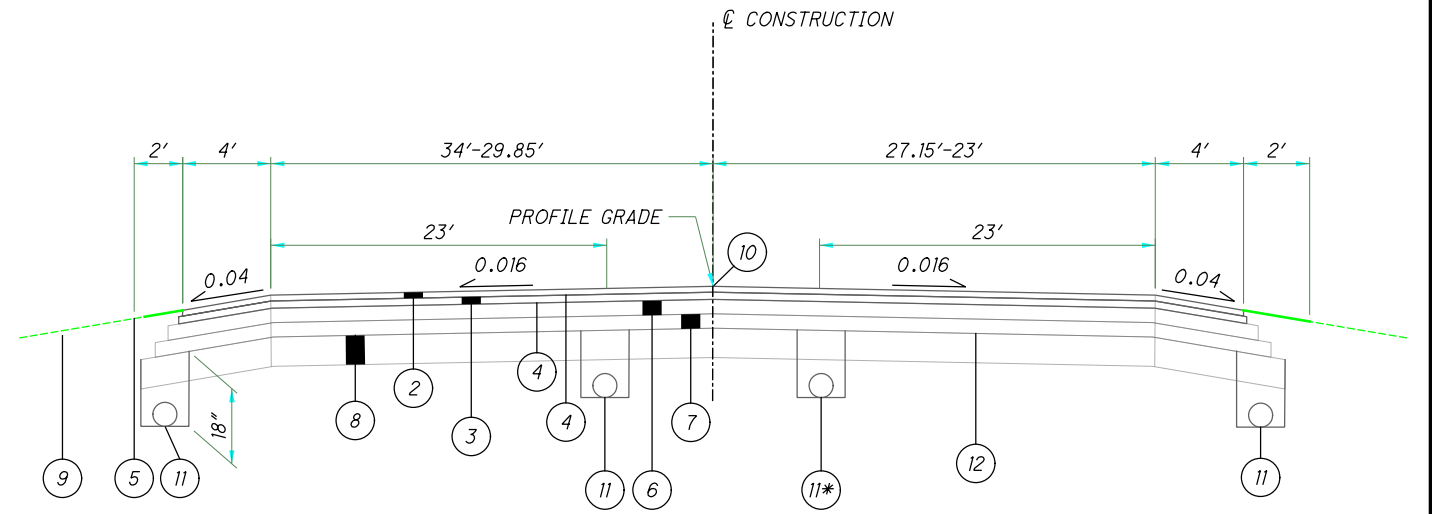


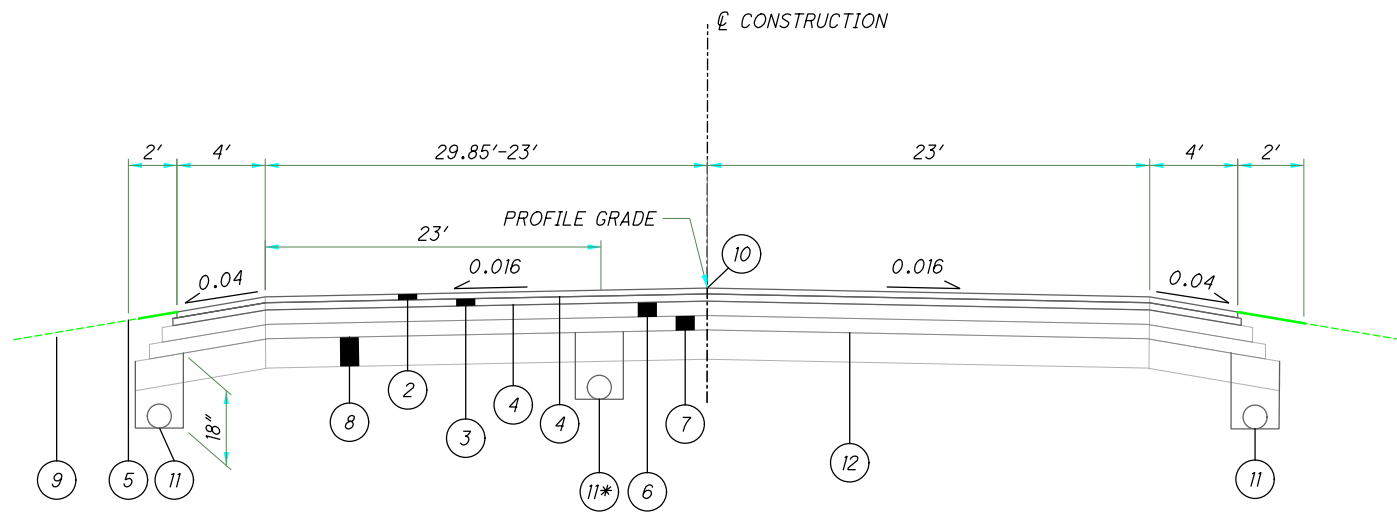
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TYPICAL SECTION APPLIES TO:
STA: 344+00 TO 348+45 - CONSTRUCTION SR 25



TYPICAL SECTION APPLIES TO:
STA: 348+45.00 TO 351+15.00 - CONSTRUCTION SR 25
*SEE UNDERDRAIN SUBSUMMARY FOR LIMITS

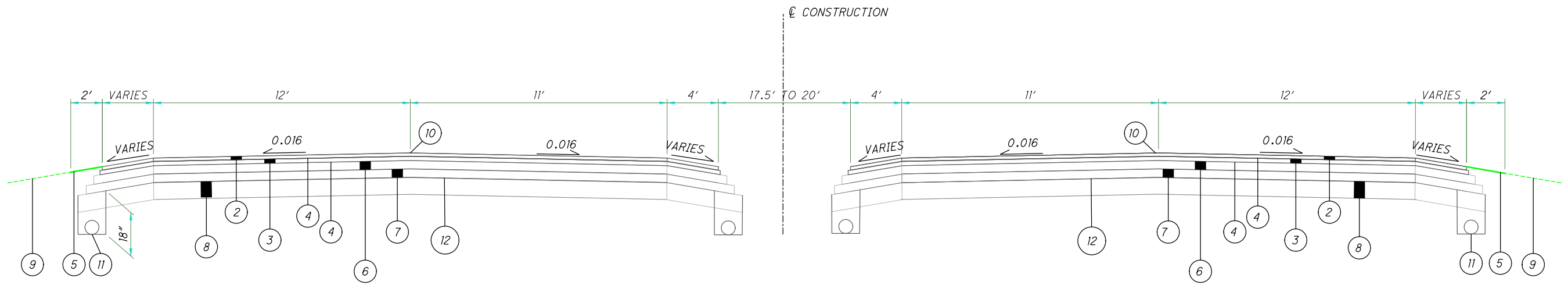


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STA: 351+15.00 TO 355+60.00 - CONSTRUCTION SR 25
*SEE UNDERDRAIN SUBSUMMARY FOR LIMITS

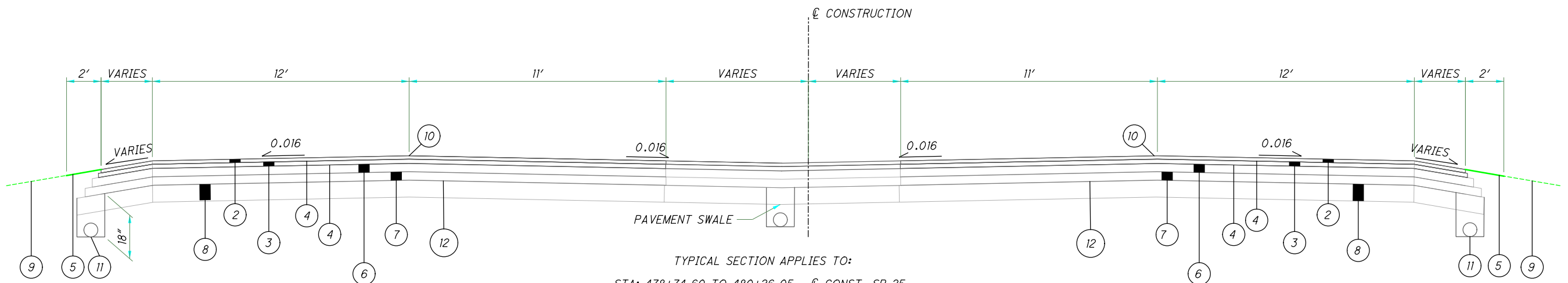
PROPOSED LEGEND

- | | | |
|--|---|---|
| ① ITEM 254 - 3/4" PAVEMENT PLANNING, ASPHALT CONCRETE | ⑥ ITEM 302 - 5" ASPHALT CONCRETE BASE, PG 64-22 | ⑪ ITEM 605 - 6" BASE PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC |
| ② ITEM 442 - 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) | ⑦ ITEM 304 - 6" AGGREGATE BASE | ⑫ ITEM 206 - CURING COAT |
| ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446) | ⑧ ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP | |
| ④ ITEM 407 - NON-TRACKING TACK COAT | ⑨ ITEM 659 - SEEDING AND MULCHING | |
| ⑤ ITEM 617 - COMPACTED AGGREGATE AND ITEM 209 LINEAR GRADING | ⑩ ITEM 875 - LONGITUDINAL JOINT ADHESIVE | |

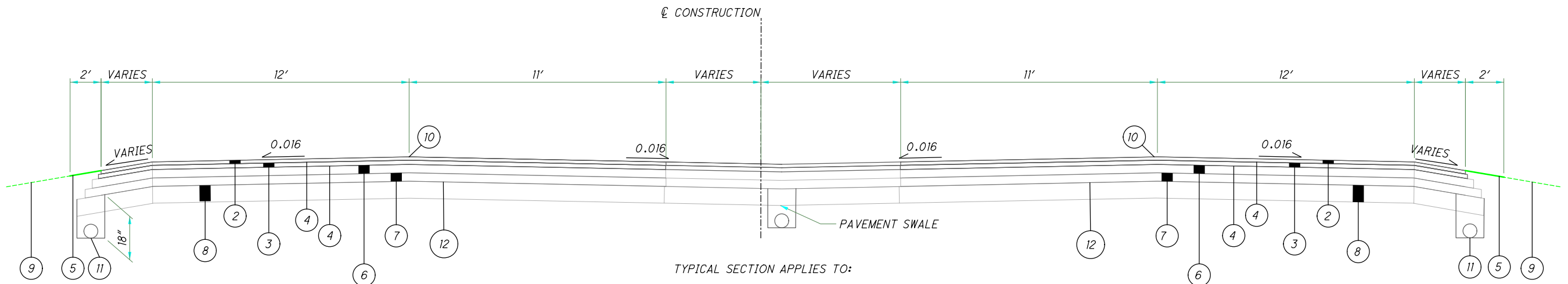
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TYPICAL SECTION APPLIES TO:
 STA: 480+60.00 TO 482+82.13 (NB) - \varnothing CONST. SR 25
 484+19.45 (SB)



TYPICAL SECTION APPLIES TO:
 STA: 478+74.60 TO 480+26.05 - \varnothing CONST. SR 25



TYPICAL SECTION APPLIES TO:
 STA: 474+63.75 TO 476+50.00 - \varnothing CONST. SR 25

PROPOSED LEGEND

- | | | |
|--|---|---|
| ① ITEM 254 - 3/4" PAVEMENT PLANNING, ASPHALT CONCRETE | ⑥ ITEM 302 - 5" ASPHALT CONCRETE BASE, PG 64-22 | ⑪ ITEM 605 - 6" BASE PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC |
| ② ITEM 442 - 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) | ⑦ ITEM 304 - 6" AGGREGATE BASE | ⑫ ITEM 206 - CURING COAT |
| ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446) | ⑧ ITEM 206 - CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP | |
| ④ ITEM 407 - NON-TRACKING TACK COAT | ⑨ ITEM 659 - SEEDING AND MULCHING | |
| ⑤ ITEM 617 - COMPACTED AGGREGATE AND ITEM 209 LINEAR GRADING | ⑩ ITEM 875 - LONGITUDINAL JOINT ADHESIVE | |

PROPOSED TYPICAL SECTIONS

W00-25-0.75

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

ENERGY TRANSFER BUCKEYE BROADBAND
8910 PURDUE RD. STE. 300 2700 OREGON RD.
INDIANAPOLIS, IN 46268 NORTHWOOD, OH 43519
317-879-3039 419-724-3713

CITY OF BOWLING GREEN-UTILITIES
304 N. CHURCH ST.
BOWLING GREEN, OH 43402
419-354-6246

CENTURYLINK COLUMBIA GAS TRANSMISSION
175 ASHLAND RD. 2901 E. MANHATTAN BLVD.
MANSFIELD, OH 44902 TOLEDO, OH 43611
419-755-7183 419-539-6066

AEP ODOT-DISTRICT 2
2622 STATE ROUTE 100 317 E. POE RD.
TIFFIN, OH 44883 BOWLING GREEN, OH 43402
419-209-5583 419-353-8131

NWSD FIRST ENERGY
P.O. BOX 348 76 S MAIN ST.
BOWLING GREEN, OH 43402 AKRON, OH 44870
419-354-9090 330-384-5180

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

MONUMENT ASSEMBLIES

IF THE CONTRACTOR REMOVES OR DISTURBS ANY MONUMENT BOX ASSEMBLIES DURING CONSTRUCTION, THEN THEY SHALL HAVE A REGISTERED SURVEYOR CERTIFY THAT THE MONUMENTS HAVE BEEN RESET AT THE PRE-DISTURBED LOCATION AND PER THE "OHIO ADMINISTRATIVE CODE, CHAPTER 4733-37, STANDARDS FOR BOUNDARY SURVEYS". THE CONTRACTOR SHALL FORWARD A COPY OF SAID CERTIFICATION TO THE PROJECT ENGINEER AND THE DISTRICT SURVEY OPERATIONS MANAGER FOR REVIEW. (SEE EXAMPLE BELOW):

I, JOHN D. DOE, P.S. HEREBY CERTIFY THAT THE CENTERLINE MONUMENTATION HAS BEEN RESET AT THE PRECONSTRUCTION LOCATIONS DURING THE PROJECT W00-582-6.48, PID 81000. ALL OF MY WORK CONTAINED HEREIN WAS CONDUCTED IN ACCORDANCE WITH "OHIO ADMINISTRATIVE CODE 4733-37", COMMONLY KNOWN AS "A MINIMUM STANDARDS FOR BOUNDARY SURVEYS IN THE STATE OF OHIO", UNLESS OTHERWISE NOTED. THE WORDS I AND MY AS USED HEREIN ARE TO MEAN MYSELF OR SOMEONE UNDER MY DIRECT SUPERVISION.

ALL SURVEY MONUMENTS SET AND/OR RESET BY THE CONSTRUCTION CONTRACTOR'S SURVEYOR SHALL BE CONSTRUCTED ACCORDING TO STANDARD CONSTRUCTION DRAWING RM-1.1, ROUND MONUMENT.

ALL COSTS ASSOCIATED WITH THE RE-SETTING OF THE MONUMENT BOXES SHALL BE BORNE BY THE CONTRACTOR.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET NO.3 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS 80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLAN NORTH ZONE
COMBINED SCALE FACTOR: 1.0000000000

ORIGIN OF COORDINATE
SYSTEM: OHIO NORTH ZONE NORTHING: 0.0000
EASTING: 0.0000

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

ITEM 204 - PROOF ROLLING, UNDERCUTTING SUBGRADE AND REPLACEMENT

ESTIMATED QUANTITIES FOR THESE ITEMS HAVE BEEN PROVIDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER. THE QUANTITIES ARE BASED UPON AN ESTIMATED AVERAGE UNDERCUT DEPTH OF 1 FT. WITH REPLACEMENT OF 12" GRANULAR MATERIAL TYPE C.

ITEM 204: EXCAVATION OF SUBGRADE	12,141 CY
ITEM 204: GRANULAR MATERIAL, TYPE C	12,141 CY
ITEM 204: GEOTEXTILE FABRIC, 712.09, TYPE D	36,423 SY
ITEM 206: TEST ROLLING	30 HRS

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

FARM DRAINS

ALL FARM DRAINS, WHICH ARE ENCOUNTERED DURING CONSTRUCTION, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS. EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY, SHALL BE REPLACED WITHIN THE (RIGHT OF WAY) (CONSTRUCTION) LIMITS BY ITEM 611 CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES, SHALL BE OUTLETTED INTO THE ROADWAY DITCH BY 611 TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION SHALL BE ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. LATERAL FIELD TILES WHICH CROSS THE ROADWAY SHALL BE INTERCEPTED BY 611, TYPE E CONDUIT, AND CARRIED IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS SHALL BE DETERMINED BY THE ENGINEER AND PAYMENT SHALL BE MADE ON FINAL MEASUREMENTS.

EROSION CONTROL PADS SHALL BE PROVIDED AT THE OUTLET END OF ALL FARM DRAINS AS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE. PAYMENT FOR THE EROSION CONTROL PADS AND ANY NECESSARY BENDS OR BRANCHES SHALL BE INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 611 - 6" CONDUIT, TYPE F	100 FT
ITEM 611 - 8" CONDUIT, TYPE F	100 FT
ITEM 611 - 12" CONDUIT, TYPE F	100 FT

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

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GENERAL NOTES

W00-25-0.75

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE (OFFICE OF MATERIALS MANAGEMENT WEB PAGE). THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 650 FEET AND 475 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH CMS 614.03.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

(THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN 3 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM THE PROJECT ENGINEER TO A DESIGNATED PHONE.)

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE

PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE. THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

(THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER

PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.)

THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF CMS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614 PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 117 SIGN MNTH ASSUMING 9 PCMS SIGNS FOR 13 MONTHS

SEE TABLE 2 FOR PCMS LOCATIONS.

THE PCMS MESSAGES CAN BE FOUND ON SHEET NO. 30.

TABLE 2

PCMS Number	Location
# 1	EB SR-281 WEST OF SR-235
# 2	WB SR-281 EAST OF SR-199
# 3	SB SR-25 AT NORTH OF US 6
# 4	NB I-75 SOUTH OF CYGNET ROAD
# 5	SB I-75 NORTH OF US 6
# 6	WB US-6 EAST OF I-75
# 7	WB US-6 EAST OF SR-25
# 8	EB US-6 WEST OF SR-235
# 9	EB US-6 WEST OF SR-25

CONTRACTOR TO COORDINATE WITH ENGINEER ON MESSAGING DURING EACH PHASE OF CONSTRUCTION

DETOUR ROUTE

THE DEPARTMENT WILL PROVIDE, ERECT, MAINTAIN, AND SUBSEQUENTLY REMOVE ALL DETOUR SIGNING FOR ANY STATE ROUTES ON THE PROJECT.

SR-25 DETOUR:

PHASES 1-8:

SR-25 SOUTHBOUND:

SR-25 TO US-6 EASTBOUND
US-6 TO I-75 SOUTHBOUND
I-75 TO CYGNET RD

SR-25 NORTHBOUND:

CYGNET RD TO I-75 NORTHBOUND
I-75 TO US-6 EASTBOUND
US-6 TO SR-25

PHASE 9:

SR-25 SOUTHBOUND:

SR-25 TO NAPOLEON RD EASTBOUND
NAPOLEON RD TO DUNBRIDGE RD SOUTHBOUND
DUNBRIDGE RD TO US-6 WESTBOUND
US-6 TO SR-25

SR-25 NORTHBOUND:

SR-25 TO US-6 EASTBOUND
US-6 TO DUNBRIDGE RD NORTHBOUND
DUNBRIDGE RD TO NAPOLEON RD WESTBOUND
NAPOLEON RD TO SR-25

SECONDARY SR-25 DETOUR:

PHASES 4-7:

SR-25 SOUTHBOUND:

SR-25 TO US 6 WESTBOUND
US-6 TO SR-235 SOUTHBOUND
SR-235 TO SR-281 EASTBOUND
SR-281 TO SR-25

SR-25 NORTHBOUND:

SR-25 TO SR-281 WESTBOUND
SR-281 TO SR-235 NORTHBOUND
SR-235 TO US-6 WESTBOUND
US-6 TO SR-25

SECONDARY SR-25 DETOUR:

PHASE 8A:

SR-25 SOUTHBOUND:

MAINTAINING SOUTHBOUND TRAFFIC

SR-25 NORTHBOUND:

SR-25 TO SR-281 WESTBOUND
SR-281 TO SR-235 NORTHBOUND
SR-235 TO US-6 WESTBOUND
US-6 TO SR-25

SECONDARY SR-25 DETOUR:

PHASE 8B:

SR-25 SOUTHBOUND:

SR-25 TO US 6 WESTBOUND
US-6 TO SR-235 SOUTHBOUND
SR-235 TO SR-281 EASTBOUND
SR-281 TO SR-25

SR-25 NORTHBOUND:

MAINTAINING NORTHBOUND TRAFFIC

US-6 TO SR-25 DETOUR:

PHASE 9:

US-6 TO SR-25:

US-6 TO I-75 NORTHBOUND
I-75 TO SR-64 WESTBOUND
SR-64 TO SR-25

SR-281 DETOUR:

PHASE 3:

SR-281 EASTBOUND:

SR-281 TO SR-235 NORTHBOUND
US-235 TO US-6 WESTBOUND
US-6 TO SR-199 SOUTHBOUND
SR-199 TO SR-281

SR-281 WESTBOUND:

SR-281 TO SR-199 NORTHBOUND
SR-199 TO US-6 WESTBOUND
US-6 TO SR-235 SOUTHBOUND
SR-235 TO SR-281

DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, A LOCAL ROUTE HAS BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTE OR "DESIGNATED LOCAL DETOUR ROUTE." THE FOLLOWING ROADS WILL BE UTILIZED FOR A LOCAL DETOUR FOR DESIGNATED CLOSURE:

RUDOLPH RD (FROM US 6 TO CYGNET RD = 11 MILES)

DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR USE AS DETERMINED BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE THE DESIGNATED LOCAL DETOUR ROUTE.

ITEM 253, PAVEMENT REPAIR, AS PER PLAN	3872 SQ YD
ITEM 254, PAVEMENT PLANING, ASPHALT CONC, AS PER PLAN	5163 SQ YD
ITEM 301, ASPHALT CONCRETE BASE, PG 64-22, AS PER PLAN	645 CU YD
ITEM 407, NON-TRACKING TACK COAT, AS PER PLAN	497 GAL
ITEM 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), AS PER PLAN	380 CU YD

CONTRACTOR COORDINATION

THE FOLLOWING PROJECTS WILL BE UNDER CONSTRUCTION DURING CALENDAR YEAR 2023. ALL THREE PROJECTS INCLUDE ROAD CLOSURES. BELOW IS THE LIST OF THE PROJECTS AND THEIR RESPECTIVE LOCATIONS.

MERMILL ROAD BRIDGE (PID 109560)
BRIDGE REPLACEMENT 3 MILES EAST OF WOO-25, 120 DAY CLOSURE (OVER WOLF CREEK NEAR INTERSECTION OF HUFFMAN RD).

SR-281 BRIDGE (PID 105652)
BRIDGE REPLACEMENT 3 MILES WEST OF WOO-25, 60 DAY CLOSURE (OVER MIDDLE BRANCH PORTAGE RIVER NEAR INTERSECTION OF LIBERTY HI RD).

BAYS RD BRIDGE (PID 110342)
BRIDGE REPLACEMENT 0.7 MILES WEST OF WOO-25, 90 DAY CLOSURE (OVER DITCH 2441 IN BETWEEN RUDOLPH RD AND WHITACRE RD).

THE CONTRACTOR SHALL SCHEDULE THE WORK IN SUCH A MANNER THAT THE INTERSECTIONS OF BAYS RD., MERMILL RD., AND SR 281 ARE CLOSED AND COMPLETED IN THE CALENDAR YEAR OF 2022 TO ENSURE THESE INTERSECTIONS ARE NOT CLOSED SIMULTANEOUSLY WITH THE ROAD CLOSURES FOR THE THREE BRIDGE REPLACEMENT PROJECTS MENTIONED ABOVE.

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SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9	22	23	24	26	27	28	31	40	45	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
										LS				201	11000	LS		CLEARING AND GRUBBING	
								206,416		154,249	55,426			202	23000	209,675	SY	PAVEMENT REMOVED	
								57,105		46,209	10,896			202	23001	57,105	SY	PAVEMENT REMOVED, AS PER PLAN	
										456				202	30700	456	FT	CONCRETE BARRIER REMOVED	
										6,644	3,627			202	32000	10,271	FT	CURB REMOVED	
										64				202	32500	64	FT	CURB AND GUTTER REMOVED	
										12,286	4,810			202	35100	17,096	FT	PIPE REMOVED, 24" AND UNDER	
										6,621	2,368			202	35200	8,989	FT	PIPE REMOVED, OVER 24"	
										2,087.65				202	38000	2,087.65	FT	GUARDRAIL REMOVED	
										2				202	42010	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
										10				202	42040	10	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
										4				202	42050	4	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B	
										14				202	47000	14	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
										2				202	47800	2	EACH	IMPACT ATTENUATOR REMOVED	
										27	3			202	53100	30	EACH	MAILBOX REMOVED	
										12	2			202	58000	14	EACH	MANHOLE REMOVED	
										87	35			202	58100	122	EACH	CATCH BASIN REMOVED	
										10,501	839			SPECIAL	20270000	11,340	FT	FILL AND PLUG EXISTING CONDUIT	
								51,106		41,094	10,012			203	10000	51,106	CY	EXCAVATION	
										130,267	107,401	22,866		203	20000	130,267	CY	EMBANKMENT	
	12,141									12,141				203	35120	12,141	CY	GRANULAR MATERIAL, TYPE C	
										4,866	3,176			204	10000	8,042	SY	SUBGRADE COMPACTION	
	12,141									12,141				204	13000	12,141	CY	EXCAVATION OF SUBGRADE	
								121		89	32			204	45000	121	HOUR	PROOF ROLLING	
	36,423									36,423				204	50000	36,423	SY	GEOTEXTILE FABRIC	
								6,283		4,622	1,661			206	10500	6,283	TON	CEMENT	
								242,820		178,631	64,189			206	11000	242,820	SY	CURING COAT	
	30							242,820		178,631	64,189			206	15020	242,820	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
								30						206	20000	30	HOUR	TEST ROLLING	
										LS				206	30000	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
								14.4		26				209	15000	26	STA	RESHAPING UNDER GUARDRAIL	
										10.1	4.3			209	60500	14.4	MILE	LINEAR GRADING	
						575				80	495			503	31100	575	CY	ROCK EXCAVATION	
										1,400				606	15050	1,400	FT	GUARDRAIL, TYPE MGS	
										62.5				606	15100	62.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
										8				606	26150	8	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	
										8				606	26550	8	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
										11				606	35002	11	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
										4				606	35140	4	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
										2				606	60028	2	EACH	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL), 65 MPH, 36 INCH	
										134				622	10061	134	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B, AS PER PLAN	
										240				622	10160	240	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
										2				622	24841	2	EACH	CONCRETE BARRIER END SECTION, TYPE B, AS PER PLAN	
										2				622	25000	2	EACH	CONCRETE BARRIER END SECTION, TYPE D	
										2				622	25050	2	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
25										25				623	38500	25	EACH	MONUMENT ASSEMBLY	
										19	3			SPECIAL	69050100	22	EACH	MAILBOX SUPPORT SYSTEM, SINGLE	23
										4				SPECIAL	69050200	4	EACH	MAILBOX SUPPORT SYSTEM, DOUBLE	23
										125	35			601	21050	160	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
		190.2								190.2				601	32200	190.2	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
				5						5				616	10000	5	MGAL	WATER	
								22,911		18,401	4,510			659	00300	22,911	CY	TOPSOIL	
								206,381		165,768	40,613			659	10000	206,381	SY	SEEDING AND MULCHING	
										31	24	7		659	20000	31	TON	COMMERCIAL FERTILIZER	
								560		448	112			659	35000	560	MGAL	WATER	
										LS				832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
										LS				832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	

GENERAL SUMMARY

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SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9	22	23	24	26	27	28	31	40	45	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
											50			630	07000	50	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18	
											45			630	07600	45	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	
											32	16		630	08521	48	FT	STREET NAME SIGN SUPPORT, NO. 3 POST, AS PER PLAN	23
											52	12		630	08601	64	EACH	SIGN POST REFLECTOR, AS PER PLAN	23
											4			630	09000	4	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
											670	199		630	80100	869	SF	SIGN, FLAT SHEET	
											164			630	80200	164	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
											4			630	84500	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
											4			630	84501	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION, AS PER PLAN	23
											210	66		630	84900	276	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
											2	1		630	85100	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
												2		630	85400	2	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	
											2			630	86002	2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, WOOD POST	
											196	54		630	86003	250	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, AS PER PLAN	23
											4			630	86102	4	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
											86			630	97900	86	FT	SIGNING, MISC.:6" X 8" WOOD POST	23
											11.78	6.64		642	00104	18.42	MILE	EDGE LINE, 6", TYPE 1	
											9.84			642	00204	9.84	MILE	LANE LINE, 6", TYPE 1	
											7.12	0.04		642	00300	7.16	MILE	CENTER LINE, TYPE 1	
											2,486	815		642	00404	3,301	FT	CHANNELIZING LINE, 12", TYPE 1	
											396	137		644	00500	533	FT	STOP LINE	
											2,195	1,274		644	00700	3,469	FT	TRANSVERSE/DIAGONAL LINE	
											32	11		644	01300	43	EACH	LANE ARROW	
											1,204			644	01500	1,204	FT	DOTTED LINE, 4"	
																		STRUCTURE REPAIR (SFN: 8701644)	
			61									61		509	10000	61	LB	EPOXY COATED REINFORCING STEEL	
			0.9									0.9		511	45710	0.9	CY	CLASS QC1 CONCRETE, ABUTMENT	
			16									16		510	10000	16	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
								425				425		512	33010	425	SY	TYPE 3 WATERPROOFING	
								400				400		SPECIAL	51631200	400	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		STRUCTURE REPAIR (SFN: 8701709)	
								460				460		SPECIAL	51631200	460	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		STRUCTURE REPAIR (SFN: 8701792)	
								340				340		SPECIAL	51631200	340	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		MAINTENANCE OF TRAFFIC	
					50						50			614	11110	50	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
					20						20			614	12460	20	EACH	WORK ZONE MARKING SIGN	
					5						5			614	12500	5	EACH	REPLACEMENT SIGN	
					5						5			614	12600	5	EACH	REPLACEMENT DRUM	
				1,000							1,000			614	13000	1,000	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
						117					117			614	18601	117	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	28
					30.8						30.8			614	20010	30.8	MILE	WORK ZONE LANE LINE, CLASS I, 6"	
					15.4		0.42				15.82			614	21000	15.82	MILE	WORK ZONE CENTER LINE, CLASS I	
							1.04					1.04		614	22010	1.04	MILE	WORK ZONE EDGE LINE, CLASS I, 6" (WHITE)	
							1.25					1.25		614	22010	1.25	MILE	WORK ZONE EDGE LINE, CLASS I, 6" (YELLOW)	
							1,075					1,075		614	24000	1,075	FT	WORK ZONE DOTTED LINE, CLASS I	
					6,602						6,602			614	23000	6,602	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
					1,170						1,170			614	26000	1,170	FT	WORK ZONE STOP LINE, CLASS I	
					86						86			614	30000	86	EACH	WORK ZONE ARROW, CLASS I	
					3						3			614	40051	3	EACH	BUSINESS ENTRANCE SIGN, AS PER PLAN	27
							2				2			614	12384	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
							10				10			614	13318	10	EACH	BARRIER REFLECTOR, TYPE 5, BIDIRECTIONAL	
							10				10			614	13360	10	EACH	OBJECT MARKER, TWO WAY, BIDIRECTIONAL	
											LS			615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
							1,451				1,451			615	25000	1,451	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
							460				460			622	41100	460	FT	PORTABLE BARRIER, UNANCHORED	
																		INCIDENTALS	
											LS			108	10000	LS		CPM PROGRESS SCHEDULE	
											LS			614	11000	LS		MAINTAINING TRAFFIC	
											16			619	16010	16	MNTH	FIELD OFFICE, TYPE B	
											LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
											LS			624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

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SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
47	48	49	54	54	58	411	412	413	422	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR						
									50		50			630	07000	50	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18	
									45		45			630	07600	45	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	
									48		16			630	08521	48	FT	STREET NAME SIGN SUPPORT, NO. 3 POST, AS PER PLAN	23
									64		12			630	08601	64	EACH	SIGN POST REFLECTOR, AS PER PLAN	23
									4		4			630	09000	4	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
									869		670			630	80100	869	SF	SIGN, FLAT SHEET	
									164		164			630	80200	164	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
									4		4			630	84500	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
									4		4			630	84501	4	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION, AS PER PLAN	23
									276		210			630	84900	276	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
									3		2			630	85100	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
									2		2			630	85400	2	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	
									2		2			630	86002	2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, WOOD POST	
									250		196			630	86003	250	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL, AS PER PLAN	23
									4		4			630	86102	4	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
									86		86			630	97900	86	FT	SIGNING, MISC.:6" X 8" WOOD POST	23
						11.78		6.64			11.78		6.64	642	00104	18.42	MILE	EDGE LINE, 6", TYPE 1	
						9.84					9.84			642	00204	9.84	MILE	LANE LINE, 6", TYPE 1	
						6.23	0.89	0.04			7.12		0.04	642	00300	7.16	MILE	CENTER LINE, TYPE 1	
						553	1,933	815			2,486		815	642	00404	3,301	FT	CHANNELIZING LINE, 12", TYPE 1	
						184	212	137			396		137	644	00500	533	FT	STOP LINE	
						323	1,872	1,274			2,195		1,274	644	00700	3,469	FT	TRANSVERSE/DIAGONAL LINE	
						9	23	11			32		11	644	01300	43	EACH	LANE ARROW	
						1,204					1,204			644	01500	1,204	FT	DOTTED LINE, 4"	
																		STRUCTURE REPAIR (SFN: 8701644)	
												61		509	10000	61	LB	EPOXY COATED REINFORCING STEEL	
												0.9		511	45710	0.9	CY	CLASS QC1 CONCRETE, ABUTMENT	
												16		510	10000	16	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
												425		512	33010	425	SY	TYPE 3 WATERPROOFING	
												400		SPECIAL	51631200	400	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		STRUCTURE REPAIR (SFN: 8701709)	
												460		SPECIAL	51631200	460	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		STRUCTURE REPAIR (SFN: 8701792)	
													340	SPECIAL	51631200	340	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		MAINTENANCE OF TRAFFIC	
											50			614	11110	50	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
											20			614	12460	20	EACH	WORK ZONE MARKING SIGN	
											5			614	12500	5	EACH	REPLACEMENT SIGN	
											5			614	12600	5	EACH	REPLACEMENT DRUM	
											1,000			614	13000	1,000	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
											117			614	18601	117	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	28
											30.8			614	20010	30.8	MILE	WORK ZONE LANE LINE, CLASS I, 6"	
											15.82			614	21000	15.82	MILE	WORK ZONE CENTER LINE, CLASS I	
												1.04		614	22010	1.04	MILE	WORK ZONE EDGE LINE, CLASS I, 6" (WHITE)	
												1.25		614	22010	1.25	MILE	WORK ZONE EDGE LINE, CLASS I, 6" (YELLOW)	
													1,075	614	24000	1,075	FT	WORK ZONE DOTTED LINE, CLASS I	
											6,602			614	23000	6,602	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
											1,170			614	26000	1,170	FT	WORK ZONE STOP LINE, CLASS I	
											86			614	30000	86	EACH	WORK ZONE ARROW, CLASS I	
											3			614	40051	3	EACH	BUSINESS ENTRANCE SIGN, AS PER PLAN	27
											2			614	12384	2	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
											10			614	13318	10	EACH	BARRIER REFLECTOR, TYPE 5, BIDIRECTIONAL	
											10			614	13360	10	EACH	OBJECT MARKER, TWO WAY, BIDIRECTIONAL	
											LS			615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
											1,451			615	25000	1,451	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
											460			622	41100	460	FT	PORTABLE BARRIER, UNANCHORED	
																		INCIDENTALS	
											LS			108	10000	LS		CPM PROGRESS SCHEDULE	
											LS			614	11000	LS		MAINTAINING TRAFFIC	
											16			619	16010	16	MNTH	FIELD OFFICE, TYPE B	
											LS			623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
											LS			624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

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