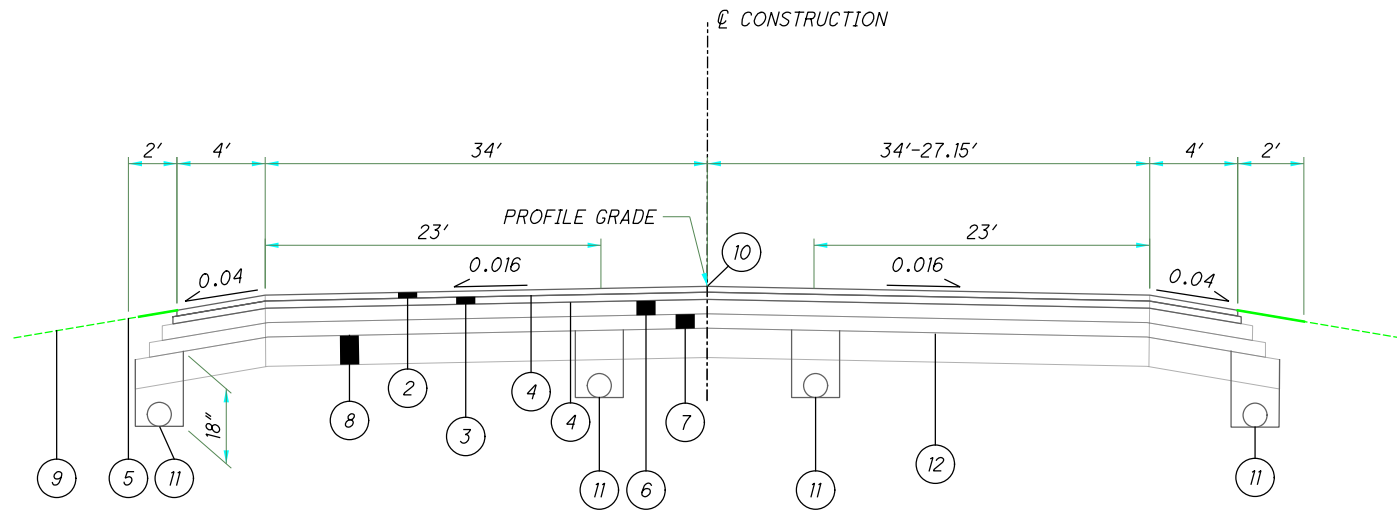
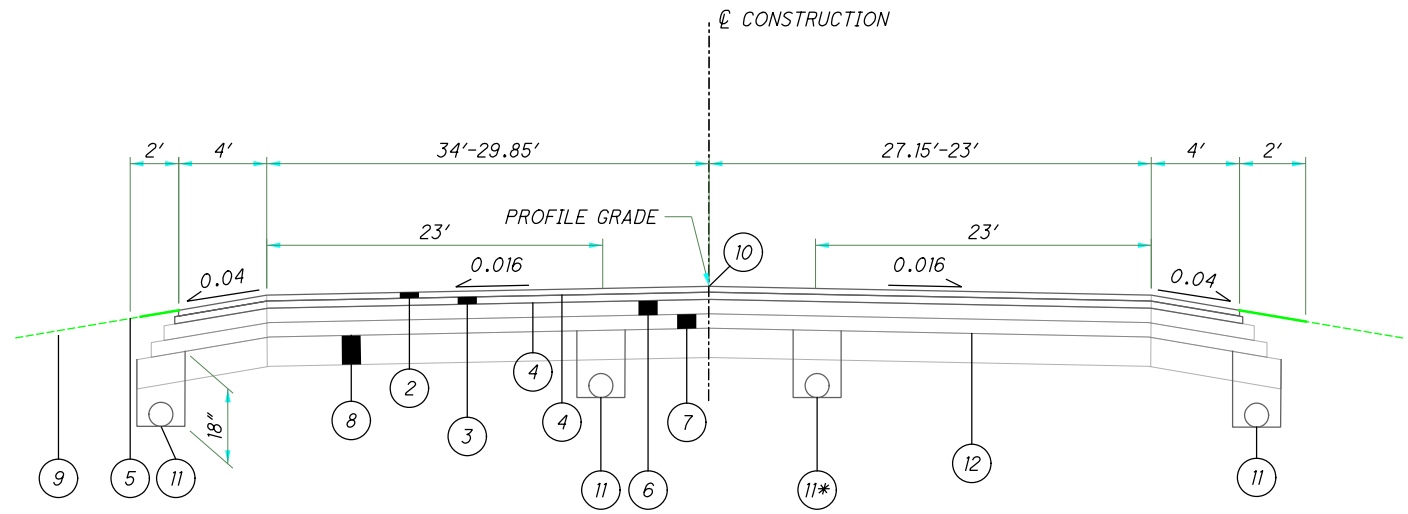


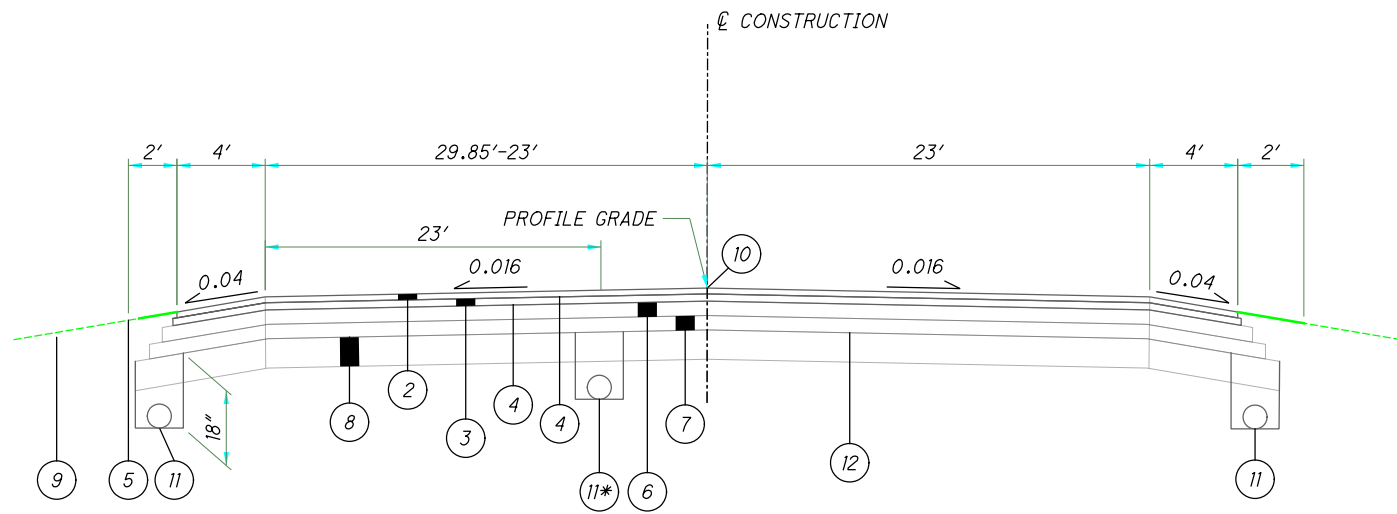
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TYPICAL SECTION APPLIES TO:  
STA: 344+00 TO 348+45 -  $\mathcal{L}$  CONST. SR 25



TYPICAL SECTION APPLIES TO:  
STA: 348+45.00 TO 351+15.00 -  $\mathcal{L}$  CONST. SR 25  
\*SEE UNDERDRAIN SUBSUMMARY FOR LIMITS



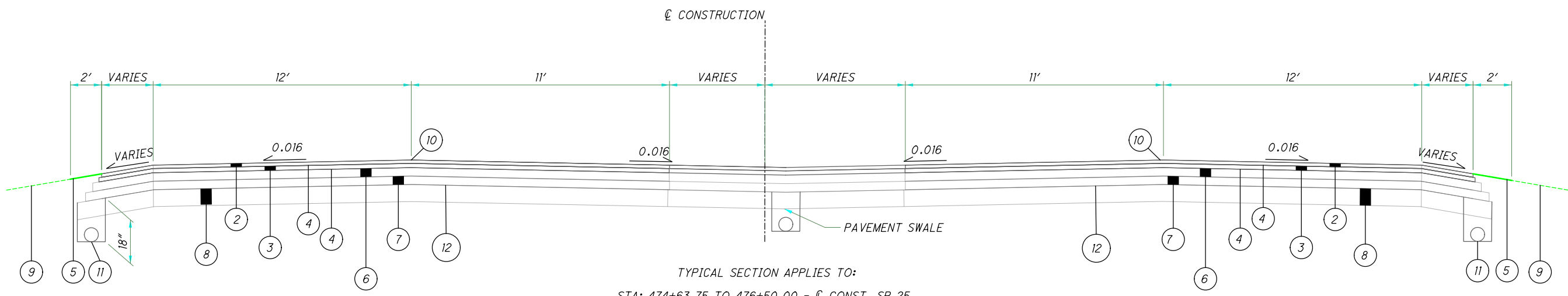
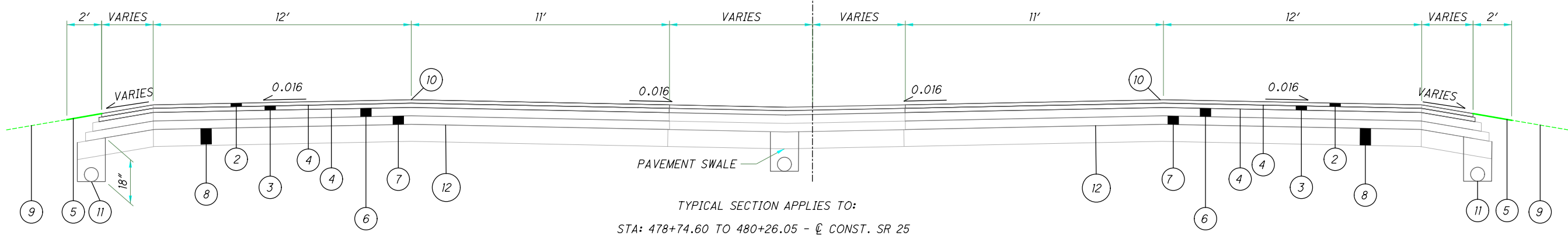
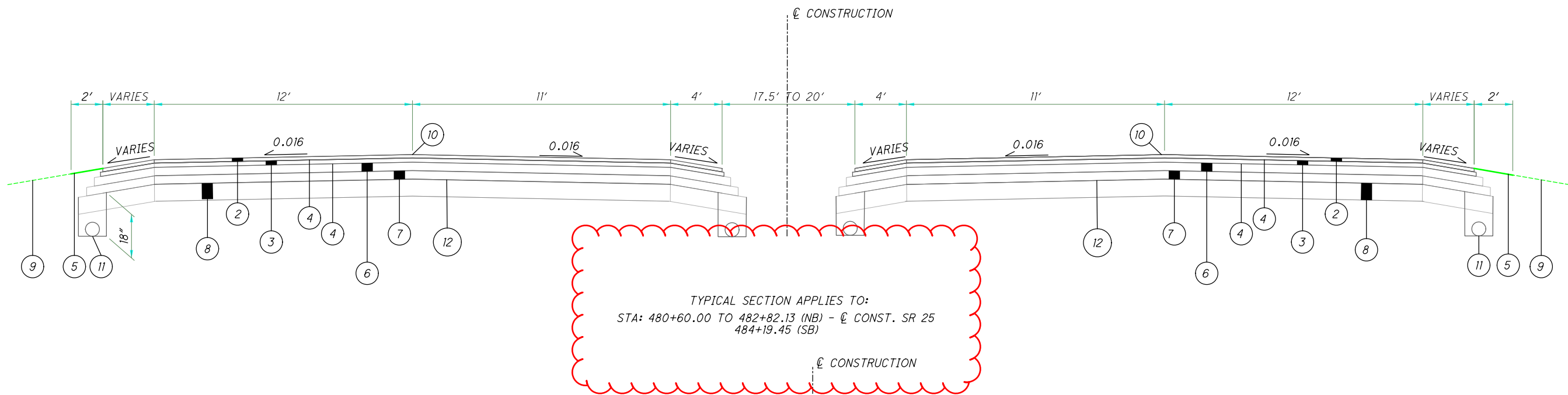
TYPICAL SECTION APPLIES TO:  
STA: 351+15.00 TO 355+60.00 -  $\mathcal{L}$  CONST. SR 25  
\*SEE UNDERDRAIN SUBSUMMARY FOR LIMITS



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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**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                |   |

**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

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**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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MAINTENANCE OF TRAFFIC GENERAL NOTES

WOO-25-0.75

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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						
										<b>ROADWAY</b>									
										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				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	
										242,820	178,631	64,189		206	15020	242,820	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
	30									30				206	20000	30	HOUR	TEST ROLLING	
										LS				206	30000	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS	
										26				209	15000	26	STA	RESHAPING UNDER GUARDRAIL	
									14.4	10.1	4.3			209	60500	14.4	MILE	LINEAR GRADING	
										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				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
										<b>EROSION CONTROL</b>									
										125	35			601	21050	160	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
										190.2				601	32200	190.2	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
										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

W00-25-0.75

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					832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
										350,000	150,000				832	30000	500,000	EACH	EROSION CONTROL	
			6.07							4.16	1.91				602	20000	6.07	CY	CONCRETE MASONRY	
										59,676	21,123				605	14020	80,799	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, 707.31	
										4,369	1,185				611	00510	5,554	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
	100									100					611	01500	100	FT	6" CONDUIT, TYPE F	
	100									100					611	02600	100	FT	8" CONDUIT, TYPE F	
										3,538	1,049				611	04400	4,587	FT	12" CONDUIT, TYPE B	
										1,583	1,279				611	04600	2,862	FT	12" CONDUIT, TYPE C	
	100									100					611	05200	100	FT	12" CONDUIT, TYPE F	
										339	156				611	05900	495	FT	15" CONDUIT, TYPE B	
										531	1,133				611	06100	1,664	FT	15" CONDUIT, TYPE C	
										129	199				611	07400	328	FT	18" CONDUIT, TYPE B	
										325	269				611	07600	594	FT	18" CONDUIT, TYPE C	
										54	137				611	08900	191	FT	21" CONDUIT, TYPE B	
										531	919				611	09100	1,450	FT	21" CONDUIT, TYPE C	
										503					611	10600	503	FT	24" CONDUIT, TYPE C	
										22	187				611	16400	209	FT	36" CONDUIT, TYPE B	
										643	1,100				611	16600	1,743	FT	36" CONDUIT, TYPE C	
										146	170				611	19400	316	FT	42" CONDUIT, TYPE B	
											980				611	19600	980	FT	42" CONDUIT, TYPE C	
										286					611	20900	286	FT	48" CONDUIT, TYPE B	
										5,546					611	21100	5,546	FT	48" CONDUIT, TYPE C	
										8	5				611	98370	13	EACH	CATCH BASIN, NO. 6	
										25	15				611	98470	40	EACH	CATCH BASIN, NO. 2-2B	
										2					611	98510	2	EACH	CATCH BASIN, NO. 2-3	
											4				611	98540	4	EACH	CATCH BASIN, NO. 2-4	
											3				611	98570	3	EACH	CATCH BASIN, NO. 2-5	
										1	3				611	98630	4	EACH	CATCH BASIN ADJUSTED TO GRADE	
										9	4				611	99574	13	EACH	MANHOLE, NO. 3	
										21					611	99620	21	EACH	MANHOLE, NO. 5	
										1	1				611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
										69	20				611	99710	89	EACH	PRECAST REINFORCED CONCRETE OUTLET	
		46								46					253	02000	46	CY	PAVEMENT REPAIR	
						3,872				3,872					253	02001	3,872	CY	PAVEMENT REPAIR, AS PER PLAN	28
							7,938			7,938					254	01000	7,938	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.25"	
						5,163				5,163					254	01001	5,163	SY	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	28
										169	32				301	16000	201	CY	ASPHALT CONCRETE BASE, PG64-22, 3.5"	
										123	180				301	46000	303	CY	ASPHALT CONCRETE BASE, PG64-22, 5"	
						645				645					301	46001	645	CY	ASPHALT CONCRETE BASE, PG64-22, AS PER PLAN	28
							32,069			23,567	8,502				302	16001	32,069	CY	ASPHALT CONCRETE BASE, AS PER PLAN, 5"	24
							38,483			28,707	10,475				304	20000	39,182	CY	AGGREGATE BASE, 6"	
										512	340				304	20000	852	CY	AGGREGATE BASE, 8"	
							36,200			26,861	9,317	252	23		407	20000	36,553	GAL	NON-TRACKING TACK COAT	
										497					407	20001	497	GAL	NON-TRACKING TACK COAT, AS PER PLAN	28
										109	68				441	50000	177	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
										380					441	50101	380	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN	28
							10,056			7,401	2,551	70	34		442	10000	10,056	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)	
							11,732			8,634	2,976	81	41		442	10100	11,732	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
										64					609	18000	64	FT	COMBINATION CURB AND GUTTER, TYPE 3	
											282				609	26000	282	FT	CURB, TYPE 6	
							938			718	220				617	10100	938	CY	COMPACTED AGGREGATE	
							9,559			7,271	2,229	37	22		875	10000	9,559	LB	LONGITUDINAL JOINT ADHESIVE	
										1,223	511				621	00100	1,734	EACH	RPM	
										1,223	511				621	54000	1,734	EACH	RAISED PAVEMENT MARKER REMOVED	
										9					626	00102	9	EACH	BARRIER REFLECTOR, TYPE 1, UNIDIRECTIONAL	
										44					626	00116	44	EACH	BARRIER REFLECTOR, TYPE 5, UNIDIRECTIONAL	
										1,608	496				630	03101	2,104	FT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN	23

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**GENERAL SUMMARY**

**W00-25-0-75**

CALCULATED  
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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"	
																		<b>STRUCTURE REPAIR (SFN: 8701644)</b>	
			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	
																		<b>STRUCTURE REPAIR (SFN: 8701709)</b>	
								460					460	SPECIAL	51631200	460	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		<b>STRUCTURE REPAIR (SFN: 8701792)</b>	
								340					340	SPECIAL	51631200	340	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		<b>MAINTENANCE OF TRAFFIC</b>	
											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"	
											15.4			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	
																		<b>INCIDENTALS</b>	
											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

W00 - 25 - 0.75

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SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED XXX	CHECKED XXX	XXX
47	48	49	54	54	58	411	412	413	422	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR									
<b>ROADWAY</b>																						
3,259										LS				201	1000	LS		CLEARING AND GRUBBING				
										154,249	55,426			202	23000	209,675	SY	PAVEMENT REMOVED				
										46,209	10,896			202	23001	57,105	SY	PAVEMENT REMOVED, AS PER PLAN				
		456								456				202	30700	456	FT	CONCRETE BARRIER REMOVED				
	10,271									6,644	3,627			202	32000	10,271	FT	CURB REMOVED				
	64									64				202	32500	64	FT	CURB AND GUTTER REMOVED				
					17,096					12,286	4,810			202	35100	17,096	FT	PIPE REMOVED, 24" AND UNDER				
					8,989					6,621	2,368			202	35200	8,989	FT	PIPE REMOVED, OVER 24"				
		2,087.65								2,087.65				202	38000	2,087.65	FT	GUARDRAIL REMOVED				
		2								2				202	42010	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E				
		10								10				202	42040	10	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T				
		4								4				202	42050	4	EACH	ANCHOR ASSEMBLY REMOVED, TYPE B				
		14								14				202	47000	14	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED				
		2								2				202	47800	2	EACH	IMPACT ATTENUATOR REMOVED				
30										27	3			202	53100	30	EACH	MAILBOX REMOVED				
					14					12	2			202	58000	14	EACH	MANHOLE REMOVED				
					122					87	35			202	58100	122	EACH	CATCH BASIN REMOVED				
					11,340					10,501	839			SPECIAL	20270000	11,340	FT	FILL AND PLUG EXISTING CONDUIT				
										41,094	10,012			203	10000	51,106	CY	EXCAVATION				
										107,401	22,866			203	20000	130,267	CY	EMBANKMENT				
8,042										12,141				203	35120	12,141	CY	GRANULAR MATERIAL, TYPE C				
										4,866	3,176			204	10000	8,042	SY	SUBGRADE COMPACTION				
										12,141				204	13000	12,141	CY	EXCAVATION OF SUBGRADE				
										89	32			204	45000	121	HOUR	PROOF ROLLING				
										36,423				204	50000	36,423	SY	GEOTEXTILE FABRIC				
										4,622	1,661			206	10500	6,283	TON	CEMENT				
										178,631	64,189			206	11000	242,820	SY	CURING COAT				
										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				
		26								26				209	15000	26	STA	RESHAPING UNDER GUARDRAIL				
										10.1	4.3			209	60500	14.4	MILE	LINEAR GRADING				
										80	495			503	31100	575	CY	ROCK EXCAVATION				
		1,400								1,400				606	15050	1,400	FT	GUARDRAIL, TYPE MGS				
										62.5				606	15100	62.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS				
		8								8				606	26150	8	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016				
		8								8				606	26550	8	EACH	ANCHOR ASSEMBLY, MGS TYPE T				
		11								11				606	35002	11	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1				
		4								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								134				622	10061	134	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B, AS PER PLAN				
		240								240				622	10160	240	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D				
		2								2				622	24841	2	EACH	CONCRETE BARRIER END SECTION, TYPE B, AS PER PLAN				
		2								2				622	25000	2	EACH	CONCRETE BARRIER END SECTION, TYPE D				
										2				622	25050	2	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D				
22										25				623	38500	25	EACH	MONUMENT ASSEMBLY				
4										19	3			SPECIAL	69050100	22	EACH	MAILBOX SUPPORT SYSTEM, SINGLE		23		
										4				SPECIAL	69050200	4	EACH	MAILBOX SUPPORT SYSTEM, DOUBLE		23		
<b>EROSION CONTROL</b>																						
			160	160						125	35			601	21050	160	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT				
										190.2				601	32200	190.2	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER				
										5				616	10000	5	MGAL	WATER				
										18,401	4,510			659	00300	22,911	CY	TOPSOIL				
										165,768	40,613			659	10000	206,381	SY	SEEDING AND MULCHING				
										24	7			659	20000	31	TON	COMMERCIAL FERTILIZER				
										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

W00-25-0.75



SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	1	SEE SHEET NO.	CALCULATED XXX	CHECKED XXX	XXX
47	48	49	54	54	58	411	412	413	422	01/STR/PV	02/S<2/PV	03/STR/BR	04/S<2/BR									
										LS				832	15010	LS						
										350,000	150,000			832	30000	500,000	EACH					
										4.16	1.91			602	20000	6.07	CY					
										59,676	21,123			605	14020	80,799	FT					
			80,799	80,799						4,369	1,185			611	00510	5,554	FT					
			5,554	5,554										611	01500	100	FT					
										100				611	02600	100	FT					
										3,538	1,049			611	04400	4,587	FT					
										1,583	1,279			611	04600	2,862	FT					
										100				611	05200	100	FT					
										495	156			611	05900	495	FT					
										1,664	1,133			611	06100	1,664	FT					
										328	199			611	07400	328	FT					
										594	269			611	07600	594	FT					
										191	137			611	08900	191	FT					
										1,450	919			611	09100	1,450	FT					
										503				611	10600	503	FT					
										209	187			611	16400	209	FT					
										1,743	1,100			611	16600	1,743	FT					
										316	170			611	19400	316	FT					
										980	980			611	19600	980	FT					
										286				611	20900	286	FT					
										5,546				611	21100	5,546	FT					
										8	5			611	98370	13	EACH					
										40	15			611	98470	40	EACH					
										2				611	98510	2	EACH					
										4	4			611	98540	4	EACH					
										3	3			611	98570	3	EACH					
										4	3			611	98630	4	EACH					
										13	4			611	99574	13	EACH					
										21				611	99620	21	EACH					
										2	1			611	99654	2	EACH					
			89	89						69	20			611	99710	89	EACH					
										46				253	02000	46	CY					
										3,872				253	02001	3,872	CY					
										7,938				254	01000	7,938	SY				28	
										5,163				254	01001	5,163	SY				28	
201										169	32			301	46000	201	CY					
303										123	180			301	46000	303	CY					
										645				301	46001	645	CY				28	
										23,567	8,502			302	46001	32,069	CY				24	
699										28,707	10,475			304	30000	39,182	CY					
852										312	340			304	28000	862	CY					
353										26,861	9,317	252	123	407	20000	36,553	GAL					
										497				407	20001	497	GAL				28	
177										109	68			441	50000	177	CY					
										380				441	50101	380	CY				28	
										7,401	2,551	70	34	442	10000	10,056	CY					
										8,634	2,976	81	41	442	10100	11,732	CY					
	64									64				609	18000	64	FT					
	282										282			609	26000	282	FT					
										718	220			617	10100	938	CY					
										7,271	2,229	37	22	875	10000	9,559	LB					
								1,100	123	511				621	00100	1,734	EACH					
								1,100	123	511				621	54000	1,734	EACH					
										9				626	00102	9	EACH					
										44				626	00116	44	EACH					
														630	03101	2,104	FT				23	
								2,104	1,608	496												

**DRAINAGE**

**PAVEMENT**

**TRAFFIC CONTROL**

**GENERAL SUMMARY**

**W00-25-0.75**

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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	32	16			630	08521	48	FT	STREET NAME SIGN SUPPORT, NO. 3 POST, AS PER PLAN	23
									64	52	12			630	08601	64	EACH	SIGN POST REFLECTOR, AS PER PLAN	23
									4		4			630	09000	4	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
									869	670	199			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	66			630	84900	276	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
									3	2	1			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	54			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"	
																		<b>STRUCTURE REPAIR (SFN: 8701644)</b>	
												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	
																		<b>STRUCTURE REPAIR (SFN: 8701709 )</b>	
												460		SPECIAL	51631200	460	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		<b>STRUCTURE REPAIR (SFN: 8701792)</b>	
													340	SPECIAL	51631200	340	FT	SAWING AND SEALING BITUMINOUS CONCRETE JOINTS	
																		<b>MAINTENANCE OF TRAFFIC</b>	
										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	
																		<b>INCIDENTALS</b>	
										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	

CALCULATED XXX  
 CHECKED XXX  
**GENERAL SUMMARY**  
**W00-25-0.75**  
 38B  
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