

UTILITIES

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

AMERICAN ELECTRIC POWER
2622 SR 100
TIFFIN, OH 44883
419-209-5583

BUCKEYE CABLEVISION
2700 OREGON RD.
NORTHWOOD, OH 43519
419-724-3713

CENTURY LINK
175 ASHLAND RD.
MANSFIELD, OH 44902
419-755-7183

HANCOCK WOOD ELECTRIC COOP.
P.O. BOX 190
NORTH BALTIMORE, OH 45872
419-257-5015

NORTHWEST WATER & SEWER DIST.
P.O. BOX 348
BOWLING GREEN, OH 43402
419-354-9090

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

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.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT.

PLANED SURFACES

NO PLANED SURFACES SHALL BE OPEN TO THE PUBLIC FOR MORE THAN 5 DAYS. IF THE PLANED SURFACE IS OPEN FOR MORE THAN 5 DAYS, THEN IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THE PAVEMENT FAILURES THAT OCCURRED AFTER THE 5 DAYS.

ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR ITEM 209 FOR CONSTRUCTION OF THE SAFETY EDGE:

ITEM 209 - PREPARING SUBGRADE FOR SHDLR PAVING						
LOCATION	ROUTE	PLAN SPLIT CODE	STA TO STA		SIDE	QUANTITY (MILES)
WOO	281	01/STR/PV	265+79	351+82	RT/LT	3.3
WOO	281	01/STR/PV	352+81	493+69	RT/LT	5.3
WOO	281	01/STR/PV	495+07	630+93	RT/LT	5.1
WOO	281	01/STR/PV	631+77	638+14	RT/LT	0.2
WOO	281	01/STR/PV	639+10	652+07	RT/LT	0.5
WOO	281	01/STR/PV	652+50	660+10	RT/LT	0.3
TOTAL CARRIED TO GENERAL SUMMARY						14.8

ITEMS ADJUSTED TO GRADE

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR ADJUSTMENTS REQUIRED FOR THE FOLLOWING ITEMS, AS DIRECTED BY THE ENGINEER:

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE			
LOCATION	ROUTE	PLAN SPLIT CODE	EACH
WOO	281	01/STR/PV	1
TOTAL CARRIED TO GENERAL SUMMARY			1

ITEM 611 - MANHOLE ADJUSTED TO GRADE			
LOCATION	ROUTE	PLAN SPLIT CODE	EACH
WOO	281	01/STR/PV	1
TOTAL CARRIED TO GENERAL SUMMARY			1

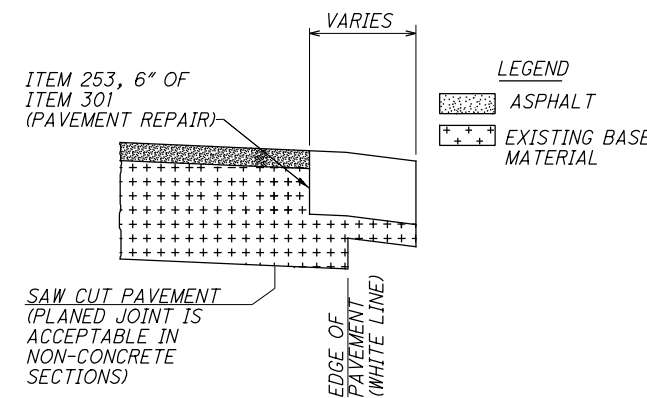
ITEM 623 - MONUMENT BOX ADJUSTED TO GRADE			
LOCATION	ROUTE	PLAN SPLIT CODE	EACH
WOO	281	01/STR/PV	5
TOTAL CARRIED TO GENERAL SUMMARY			5

ITEM 638-VALVE BOX ADJUSTED TO GRADE			
LOCATION	ROUTE	PLAN SPLIT CODE	EACH
WOO	281	01/STR/PV	2
TOTAL CARRIED TO GENERAL SUMMARY			2

ITEM 253, PAVEMENT REPAIR:

ALL EXISTING PAVEMENT AREAS WHICH WILL BE IN CONTACT WITH THE PAVEMENT REPAIR SHALL BE COATED WITH PG GRADE LIQUID ASPHALT (SIDES AND BOTTOM) AT AN APPLICATION RATE OF 0.25 GAL. PER SQ YD.

THE FOLLOWING ESTIMATED QUANTITIES FOR SR 281 ARE TO BE USED FOR 6" PAVEMENT REPAIR AS DIRECTED BY THE ENGINEER AND BASED ON THE PERCENTAGE SHOWN.



NOTE: THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.

ITEM 253, FULL DEPTH PAVEMENT REPAIR 6" (CY)								
LOCATION	ROUTE	PLAN SPLIT CODE	STA TO STA		SIDE	LENGTH (FT)	% REPAIR AREA	QUANTITY (CY)
WOO	281	01/STR/PV	265+79	638+14	RT/LT	37235.00	10%	1862
WOO	281	01/STR/PV	639+10	652+07	RT/LT	1297.00	10%	65
WOO	281	01/STR/PV	652+50	660+10	RT/LT	760.00	10%	38
TOTAL CARRIED TO GENERAL SUMMARY								1965

THE PAVEMENT SHALL BE MILLED PRIOR TO PERFORMING PAVEMENT REPAIRS.

ONE EXCEPTION TO THIS IS THE FOLLOWING. AT A MINIMUM, CALENDAR YEAR 2021 WORK SHOULD INCLUDE 6 EASTBOUND PAVEMENT REPAIR LOCATIONS TOTALING 182 CY. OF THE 1965 TOTAL CY. THIS SHOULD BE COMPLETED BY OCTOBER 31, 2021. THESE WOULD BE 9" IN THICKNESS AND 4' WIDE REPAIRS. OTHER LOCATIONS DONE IN 2022 WOULD BE AFTER MILLING AND BE 6" IN THICKNESS.

ITEM 441, ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)

THE FOLLOWING SAFETY EDGE QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR ITEM 441 FOR CONSTRUCTION OF THE SAFETY EDGE:

ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)							
LOC	ROUTE	PLAN SPLIT CODE	STA. FROM	STA. TO	AVG. DEPTH	SQ FT	SURFACE SAFETY EDGE (CY)
WOO	281	01/STR/PV	265+79	351+82	0.0127	109.26	16
WOO	281	01/STR/PV	352+81	493+69	0.0127	178.92	27
WOO	281	01/STR/PV	495+07	630+93	0.0127	172.54	26
WOO	281	01/STR/PV	631+77	638+14	0.0127	8.09	1
WOO	281	01/STR/PV	639+10	652+07	0.0127	16.47	2
WOO	281	01/STR/PV	652+50	660+10	0.0127	9.65	1
TOTAL CARRIED TO GENERAL SUMMARY							73

ITEM 424, FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN

PER CMS 424.08, 448 DENSITY APPLIES TO THIS PROJECT. DENSITY WILL BE TESTED ACCORDING TO SUPPLEMENT 1055 PER CMS 448.02. THE DISINCENTIVE PORTION OF S-1055 (TABLE 1055.01-1 AND TABLE 1055.04) WILL BE WAIVED PROVIDING THAT THE CONTRACTOR MAKES EVERY EFFORT TO OBTAIN DENSITY AND DOES NOT USE VIBRATORY ROLLERS.

THE FOLLOWING SAFETY EDGE QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR ITEM 424 FOR CONSTRUCTION OF THE SAFETY EDGE:

ITEM 424 - FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, AS PER PLAN							
LOC	ROUTE	PLAN SPLIT CODE	STA. FROM	STA. TO	AVG. DEPTH	SQ FT	SURFACE SAFETY EDGE (CY)
WOO	281	01/STR/PV	265+79	351+82	0.0093	80.01	12
WOO	281	01/STR/PV	352+81	493+69	0.0093	131.02	19
WOO	281	01/STR/PV	495+07	630+93	0.0093	126.35	19
WOO	281	01/STR/PV	631+77	638+14	0.0093	5.92	1
WOO	281	01/STR/PV	639+10	652+07	0.0093	12.06	2
WOO	281	01/STR/PV	652+50	660+10	0.0093	7.07	1
TOTAL CARRIED TO GENERAL SUMMARY							54

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS.

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

PROJECT CONTROL POSITIONING METHOD: ODOT VRS
MONUMENT TYPE: TYPE B

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID12B

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE NORTH
COMBINED SCALE FACTOR: 1.000000 (GRID)
ORIGIN OF COORDINATE SYSTEM: 0, 0, 0

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.

COORDINATION BETWEEN PROJECTS

COORDINATE WORK WITH PID 92133, RECONSTRUCTION OF SR 25 FROM CYGNET TO BOWLING GREEN CORP. LIMITS. WORK WILL INCLUDE SINGLE LANE CLOSURES OF SR 25, CLOSURE OF SR 25 FROM CYGNET RD TO JERRY CITY RD. FOR A PERIOD OF TIME AND CLOSURE OF ALL INTERSECTING ROADS ALONG SR 25 FOR INTERSECTION RECONSTRUCTION THROUGHOUT CONSTRUCTION. ANTICIPATED PROJECT DURATION: JUNE 2021 THROUGH NOVEMBER 2022.

WOO-281-0666 (SFN# 8706107)
WOO-281-0937 (SFN# 8706115)
WOO-281-1198 (SFN# 8706158)

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR STRUCTURE WORK WITHIN PROJECT LIMITS:

ITEM 516 - JOINT SEALER, 705.04 56 LF
ITEM 516 - SAWING AND SEALING BITUMINOUS JOINTS 406 LF