

UTILITIES

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

AEP - AMERICAN ELECTRIC POWER
2622 SR 100
TIFFIN, OH 44883
419.209.5583

FRONTIER
300 W. GYSPY LANE RD.
BOWLING GREEN, OH 43402
419.354.9452

AT&T
130 N. ERIE ST.
TOLEDO, OH 43624
419.245.7304

NORTH CENTRAL ELECTRIC COOP., INC.
P.O. BOX 475
ATTICA, OH 44807
800.426.3072

BASCOM MUTUAL TELE. CO.
P.O. BOX 316
BASCOM, OH 44809
419.937.2222

VILLAGE ENERGY
4100 HOLIDAY ST. N.W.
SUITE 201
CANTON, OH 44718
330.498.9130

COLUMBIA GAS OH OHIO, INC.
2901 E. MANHATTAN BLVD.
TOLEDO, OH 43611
419.539.6066

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)
SEN	18	01/NHS/05	115+92	394+32	RT/LT	10.5
SEN	18	01/NHS/05	458+50	502+50	RT/LT	1.7
SEN	18	01/NHS/05	506+68	610+85	RT/LT	3.9
SEN	18	01/NHS/05	610+85	625+36	RT	0.3
TOTAL CARRIED TO GENERAL SUMMARY						16.4

ITEMS ADJUSTED TO GRADE

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

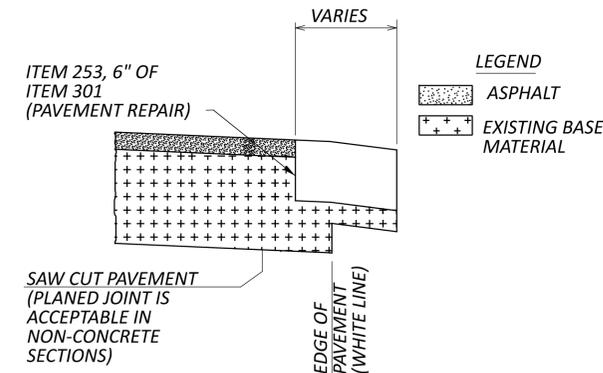
ITEM 611 - CATCH BASIN ADJUSTED TO GRADE				ITEM 611-MANHOLE ADJUSTED TO GRADE			
LOCATION	ROUTE	PLAN SPLIT CODE	EACH	LOCATION	ROUTE	PLAN SPLIT CODE	EACH
SEN	18	01/NHS/05	1	SEN	18	01/NHS/05	1
TOTAL CARRIED TO GENERAL SUMMARY			1	TOTAL CARRIED TO GENERAL SUMMARY			1

ITEM 638 - VALVE BOX ADJUSTED TO GRADE			
LOCATION	ROUTE	PLAN SPLIT CODE	EACH
SEN	18	01/NHS/05	1
TOTAL CARRIED TO GENERAL SUMMARY			1

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 18 ARE TO BE USED FOR 6" PAVEMENT REPAIR AS DIRECTED BY THE ENGINEER AND BASED ON THE PERCENTAGE SHOWN.



ITEM 253, FULL DEPTH PAVEMENT REPAIR 6" (CY)										
LOCATION	ROUTE	PLAN SPLIT CODE	STA TO STA		SIDE	LENGTH (FT)	WIDTH	AREA (SQ)	% REPAIR AREA	QUANTITY (CY)
SEN	18	01/NHS/05	115+92	394+32	RT/LT	27840.00	29	89707	18%	3588
SEN	18	01/NHS/05	458+50	625+36	RT/LT	16686.00	29	53766	18%	2151
TOTAL CARRIED TO GENERAL SUMMARY										5739

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 424 - FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (448), AS PER PLAN

PER CMS 424.04, 448 DENSITY APPLIES TO THIS PROJECT. DENSITY WILL BE TESTED ACCORDING TO SUPPLEMENT 1055 PER CMS 448.02. THE DENSITY DISINCENTIVE PORTION OF TABLE 448.04-3, WILL BE WAIVED PROVIDING THAT THE CONTRACTOR MAKES EVERY EFFORT TO OBTAIN DENSITY AND DOES NOT USE VIBRATORY ROLLERS.

PAVEMENT FOR SAFETY EDGE

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

ITEM 424 - FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B (448), AS PER PLAN							
LOC	ROUTE	PLAN SPLIT CODE	STA. FROM	STA. TO	AVG. DEPTH	SQ FT	SURFACE SAFETY EDGE (CY)
SEN	18	01/NHS/05	115+92	288+12	0.0093	160.14	12
SEN	18	01/NHS/05	289+22	394+32	0.0093	97.74	7
SEN	18	01/NHS/05	458+50	610+85	0.0093	141.69	10
SEN	18	01/NHS/05	610+85	625+36	0.0093	13.49	1
TOTAL CARRIED TO GENERAL SUMMARY							31

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)
SEN	18	01/NHS/05	115+92	288+12	0.0127	218.69	32
SEN	18	01/NHS/05	289+22	394+32	0.0127	133.48	20
SEN	18	01/NHS/05	458+50	610+85	0.0127	193.48	29
SEN	18	01/NHS/05	610+85	625+36	0.0127	18.43	1
TOTAL CARRIED TO GENERAL SUMMARY							82

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.

UNITS ARE IN U.S. SURVEY FEET.

ITEM 632 - DETECTOR LOOP

THIS ITEM WILL INCLUDE QUANTITIES FOR REPLACEMENT OF DETECTOR LOOPS THAT MAY BE ENCOUNTERED WITHIN AREAS OF PAVEMENT PLANING IN THE PLANS.

WALMART DRIVE

ITEM 632 - DETECTOR LOOP 3 EACH

QUANTITIES CARRIED TO THE GENERAL SUMMARY.

DESIGN AGENCY



DESIGNER

ALF

REVIEWER

JMF

PROJECT ID

92371

SHEET TOTAL

4 32