SIDEWALK RAMPS AT DRIVES

0.34 ACRES 9 M. GAL

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

PAVEMENT RESTORATION FOR PIPE AND CATCH BASIN INSTALLATIONS AND/OR REMOVALS

PIPES AND CATCH BASINS.

255, FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT,

PARTIAL DEPTH REPAIR PAVEMENT REPAIR 407. TACK COAT 407. TACK COAT PR. PLANING & OVERLAY -203. EXCAVATION (FOR PVMT REPAIR) (6" AVG.) EX. ASPHALT CONCRETE-EX. CONCRETE BASE. - 304, AGGREGATE BASE (FOR PVMT REPAIR) (6" AVG.) 251, PARTIAL DEPTH PAVEMENT REPAIR *255, FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS *ITEM 255 SHALL CONSIST OF 9" CONCRETE BASE,

MONUMENTS

THE CONTRACTOR SHALL SET OR ADJUST TO GRADE THE

SUMMARY AS DIRECTED BY THE ENGINEER:

623, PRIMARY CONTROL MONUMENT, TYPE B 1 EACH 623, MONUMENT BOX ADJUSTED TO GRADE 3 EACH

ITEM 442, ASPHALT CONCRETE INTERMEDIATE COURSE,

TYPE A (446), AS PER PLAN SHALL FOLLOW THE SPECIFICATIONS FOR THE 442 ITEM EXCEPT FOR SECTION 442.04 ASPHALT BINDER. THE BINDER SHALL BE PG70-22M FOR THE INTERMEDIATE

DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITIES HAVE

251, PARTIAL DEPTH PAVEMENT REPAIR 710 SY

ITEM 452, 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1P 100 SY

CLASS QC MS AND CONSTRUCTED AS PER ITEM 305.

UTILITIES

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

ZAYO FIBER SOLUTIONS

RICHFIELD, OHIO 44286

dave.galuska@zayo.com

GLENDALE, AZ 85306

ATTN: CLINT WELLS 2901 W MANHATTAN BLVD.

TOLEDO, OHIO 43611

clintwells@nisource.com

REDELEX TRAFFIC SYSTEMS

5651 WEST TALAVI BLVD., SUITE 200

COLUMBIA GAS OF OHIO-TOLEDO

234-281-0025

866-703-8097

4199 KINROSS LAKES PARKWAY

ATTN: DAVE GALUSKA

CITY OF TOLEDO WATER DEPT. ATTN: MARK RILEY 401 S. ERIE STREET TOLEDO, OHIO 43604 419-936-2826 mark.riley@toledo.oh.gov

TOLEDO EDISON ATTN: BRENT THRONE OR RANDALL SWOPE HOLLAND OHIO 43528 bthrone@firstenergycorp.com rrswope@firstenergycorp.com

BUCKEYE BROADBAND ATTN: MICHAEL SHEAHAN 2700 OREGON ROAD NORTHWOOD, OHIO 43619 419-724-3713 msheahan@sharedsvcs.com

ACD.NET / ACD TELECOM ATTN: SUSAN STEADMAN 1800 N GRAND RIVER AVE. LANSING, MI 48906 517-999-3279 steadman.susan@acd.net

ATTN: ROB FEY
130 NORTH ERIE ST., ROOM 206 TOLEDO, OHIO 43604 419-508-0395 Cell

rf1281@att.com

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.

EXISTING PLANS AND TYPICAL SECTIONS

EXISITNG TYPICAL SECTIONS HAVE BEEN TAKEN FROM FIELD MEASUREMENTS, RECORDS, AND PAVEMENT CORES AND ARE BELIEVED TO REPRESENT THE EXISTING PAVEMENT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THE ACCURACY OF THE SAME. FOR FURTHER INFORMATION IN REGARD TO THE TYPICAL SECTIONS, THE CONTRACTOR SHALL REFER TO THE PREVIOUS CONSTRUCTION PLANS WHICH CAN BE VIEWED AT THE DISTRICT 2 OFFICE IN BOWLING GREEN, OHIO.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

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

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88

GEOID: 12A

HORIZONTAL POSITIONING REFERENCE FRAME: NAD83(2011)

MAP PROJECTION: LAMBERT CONFORMAL CONIC COORDINATE SYSTEM: OHIO STATE PLANE - NORTH ZONE COMBINED SCALE FACTOR: 1.0000190131 ORIGIN OF COORDINATE SYSTEM: 0,0

CONVERSON FACTOR: 1 METER = 3.280833333 U.S. SURVEY

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

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.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT. A LUMP SUM QUANTIY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 2 HOUR

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE

- 1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- 2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO

IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION. EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

- COMPACT THE SUBGRADE ACCORDING TO 204.03.
- 4. APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO 204.06

- 5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO 204.07. EXCAVA-TIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS
- 6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO 204.06 TO VERIFY STABILITY.
- 7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204 EXCAVATION OF SUBGRADE.

MONUMENT BOXES AS DESCRIBED IN THE RIGHT OF WAY PLAN.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL

623, MONUMENT ASSEMBLY REMOVED AND RESET <u> 1 EACH</u>

AS PER PLAN

ITEM 442, ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, COURSE AND A MAXIMUM OF 20% OF RAP BY DRY WEIGHT OF MIX CAN BE USED

PARTIAL AND FULL DEPTH PAVEMENT REPAIR

PARTIAL OR FULL DEPTH PAVEMENT REPAIR SHALL BE PERFORMED ON THE EXISITING PAVEMENT AS DETAILED ON THIS SHEET. LOCATIONS FOR PAVEMENT REPAIRS SHALL BE AS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS PURPOSE:

252, FULL DEPTH PAVEMENT SAWING. 150 FT

255, FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC MS, 355 SY

203, EXCAVATION, 120 CY

304, AGGREGATE BASE, 120 CY

DRIVE AND ROADWAY RECONSTRUCTION

DRIVES AND ROADWAYS SHALL BE RECONSTRUCTED AS DETAILED IN THE PLANS. IF FIELD CONDITIONS REQUIRE THAT MODIFICATIONS BE MADE TO WHAT IS SHOWN IN THE PLANS THE DRIVE OR ROADWAY MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER. THE FOLLOWING CONTINGENCY QUANITITES ARE PROVIDED IN THE GENERAL SUMMARY FOR THIS PURPOSE:

ITEM 451, 9" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P

DATE:

184-6

UNITS ARE IN U.S. SURVEY FEET, USE THE FOLLOWING FEET. ACCORDANCE WITH CMS 623.

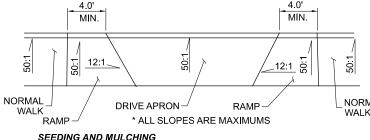
JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING

DUE TO THE SIDEWALK WIDTH AND PROXIMITY TO THE ROAD IT WILL BE NECESSARY TO RAMP THE SIDEWALK DOWN TO MEET DRIVE APRONS AT LOCATIONS WHERE THE WALK IS ADJACENT TO THE CURB. THE DETAILS OF THE RAMPING ARE SHOWN BELOW. PAYMENT FOR THE ABOVE WORK, INCLUDING LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 608 - 4" CONCRETE WALK.

TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN

A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL

STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF



THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659. SOIL ANALYSIS TEST 659. TOPSOIL

659. INTER-SEEDING

659. LIME 659. WATER

AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF

CLASS QC MS, $\underline{115~\mathrm{SY}}$

ARCADI 9 MNS PSB 01/08/20

110495

P.7 103

SUITE 44114

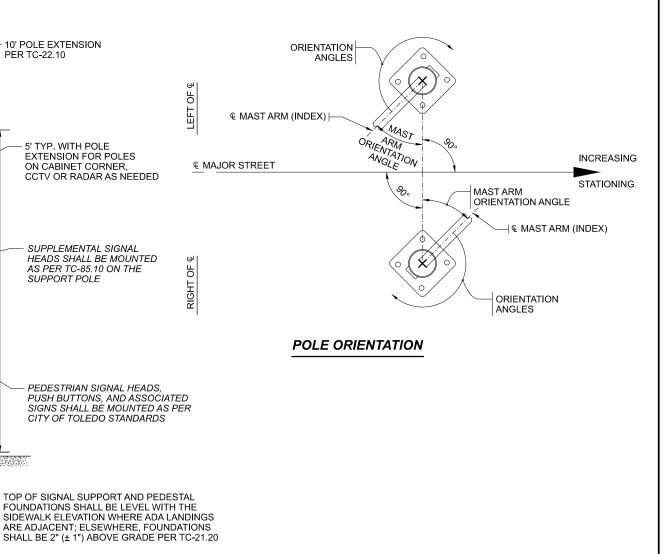
SE 517

NOT

GENERAL

PARTIAL AND FULL DEPTH PAVEMENT REPAIR





MAST ARM TABLE

5

- 10' POLE EXTENSION PER TC-22.10

BRACKET ARM, AS PER PLAN PER HL 10.11

L1

R Y G

SIGNAL SUPPORT ELEVATION

D1

L2

L3

R Y

9

L4

ELEV. (B) TOP OF FOUNDATION

	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS												ORIENTATION ANGLES FROM MAST ARM									
SUPPORT NO.			A (Pavt. Elev.)	B (Top of Found.)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	L	L1	L2	L3 L	L4	V1	V1 S1	S2	X	MAST ARM A ANGLE	SUPPLEMENTAL VEHICULAR SIGNAL	PEDESTRIAN SIGNAL	PEDESTRIAN BUTTON	VIDEO DETECTION	ADVANCED RADAR DETECTION	BRACKET ARM	HANDHOLE	CABLE ENTRANCE 12" FROM TOP	
							FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG
SP1-1	341+85.0	51.0' LT	604.4	604.3	81.21	13	33	19.5	56	53	43	32	20	48			30	0						0	180	
SP1-2	342+17.5	62.5' RT	604.3	604.3	81.21	13	33	19.5	58	54	44	33	22	49			30	90						0	180	
SP1-3	343+16.5	78.5' LT	604.4	604.4	81.21	13	33	19.5	58	54	44	34	23	49			30	90						0	180	
SP1-4	343+22.5	55.0' RT	604.6	604.3	81.21	14	33	19.5	68	64	54	43	31	59			30	0						0	180	

PAPERSIZE: ITxII (in.) DATE: 7/8/2021 TIME: 8:06:54 AM TOHOUT-DISAFICT 2 Safety VII0495/400-Engineering: LUC-184-6.50

(\$) (\$)

RIGID MOUNTED SIGNAL HEADS

REFLECTIVE BACKPLATE

VIDEO DETECTION TYPICAL PLACEMENT ON MAST ARM - R (*) (*)

ELEV. (A) CRITICAL PAVEMENT ELEVATION

SIGNAL HEADS SHALL BE LEVEL WITHIN 6" OF

ONE ANOTHER

TB DRJ 01/08/20 110945 SHEET TOTAL P.91 103

CARCADIS DE LITTE STATE OF LITTE OF LITTE