

GENERAL: THE CURRENT STATE OF OHIO, DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS (ODOTCMS), INCLUDING ALL SUPPLEMENTS THERETO, IN FORCE ON THE DATE OF CONTRACT, SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS. WHEN THERE IS OR APPEARS TO BE A CONFLICT BETWEEN THE ABOVE REFERENCED SPECIFICATIONS AND THESE PLANS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN. UNLESS OTHERWISE SPECIFIED, ALL ITEM NUMBERS REFER TO ODOTCMS. CONTACT CRAIG ELEY, OHIO DEPARTMENT OF TRANSPORTATION, 937-497-6832, 1 WEEK PRIOR TO WORK REGARDING SCHOOL FLASHER.

PROJECT LIMITS: THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT, THE EXISTING RIGHTS-OF-WAY, CONSTRUCTION EASEMENTS AND PERMANENT EASEMENTS, AND SHALL NOT TRESPASS UPON PRIVATE PROPERTY WITHOUT WRITTEN CONSENT OF THE PROPERTY OWNER.

MISCELLANEOUS WORK: ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF SAME SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS.

DRAINAGE TILE: ALL DRAINAGE TILE IN STATE RIGHT-OF-WAY IS TO BE REPLACED IN KIND. ALL FARM DRAINS, ROADWAY DRAINS, AND OTHER DRAINAGE TILE WHICH ARE ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS DURING CONSTRUCTION SHALL BE PROVIDED WITH AN UNOBSTRUCTED OUTLET. EXISTING COLLECTOR TILES WHICH ARE LOCATED BELOW THE PROPOSED FINISHED ELEVATION AND WHICH CROSS THE TRENCH SHALL BE REPLACED WITHIN THE TRENCH LIMITS BY ITEM 603 CONDUIT. THE LOCATION, TYPE, SIZE, AND GRADE OF THE REQUIRED REPLACEMENT SHALL BE DETERMINED BY THE PROJECT ENGINEER OR HIS SITE REPRESENTATIVE DURING CONSTRUCTION. NECESSARY BENDS OR FITTINGS, COMPACTED GRANULAR BACKFILL, AND ASSOCIATED ITEMS SHALL BE INCLUDED IN THE BID PRICE.

BORROW MATERIAL AND SURPLUS EXCAVATION: THE SITE SHALL BE CONSTRUCTED TO THE FINAL GRADES SHOWN ON THE PLANS. WHERE NECESSARY, THE CONTRACTOR SHALL OBTAIN SUITABLE BORROW MATERIAL ON-SITE OR OFF-SITE AS NEEDED TO COMPLETE THE SITE CONSTRUCTION AS DESCRIBED HEREIN. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION ON SITE AND, IF NECESSARY, SHALL HAUL SURPLUS EXCAVATED MATERIAL AWAY FROM THE SITE AND DISPOSE OF PROPERLY.

EXISTING UTILITIES: THE INFORMATION SHOWN CONCERNING EXISTING UTILITIES IS APPROXIMATE. THE LOCATION, SIZES, AND OTHER INFORMATION SHOWN IS ONLY AS ACCURATE AS THAT PROVIDED BY THE OWNERS OF THE UTILITY. THIS INFORMATION IS NOT REPRESENTED, WARRANTED OR GUARANTEED TO BE COMPLETE OR ACCURATE. THE ENGINEER DOES NOT INDEPENDENTLY VERIFY NOR FIELD LOCATE UTILITIES. THE CONTRACTOR IS RESPONSIBLE TO PHYSICALLY LOCATE AND VERIFY, IN THE FIELD, THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO THE BEGINNING OF CONSTRUCTION. THE CONTRACTOR SHALL SUPPORT, PROTECT AND RESTORE ALL EXISTING UTILITIES AND THEIR ASSOCIATED ITEMS. THE CONTRACTOR SHALL NOTIFY THE REGISTERED UTILITY PROTECTION SERVICE AND ALL UTILITY OWNERS HAVING FACILITIES IN THE CONSTRUCTION AREA WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE. THE CONTRACTOR SHALL ADHERE TO SECTION 153.64, OHIO REVISED CODE. THE CONTRACTOR SHALL GIVE NOTIFICATION AS REQUIRED BY OHIO REVISED CODE, AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, AND SHALL COORDINATE HIS WORK WITH THE UTILITY OWNERS UNTIL HIS WORK IS COMPLETED. THE CONTRACTOR SHALL KEEP THE UTILITY OWNERS APPRISED OF HIS SCHEDULE AND REQUIREMENTS AND SHALL PROVIDE THE PROJECT OWNER WITH EVIDENCE OF HAVING NOTIFIED THE UTILITIES AND PROVIDED THEM WITH HIS WORK SCHEDULE PRIOR TO BEGINNING ANY WORK.

UTILITY CONTACTS:

ELECTRIC: CABLE: TELEPHONE:

ADDRESS TEL. ADDRESS TEL. ADDRESS TEL.

CONTACT: CONTACT: CONTACT:

CONTRACTORS REQUIRING MORE INFORMATION REGARDING EXISTING UTILITIES SHOULD CONDUCT THEIR OWN FIELD INVESTIGATIONS OR OTHERWISE LOCATE THE UTILITIES PRIOR TO SUBMITTING A BID FOR THE CONSTRUCTION. NOTICE SHALL BE GIVEN TO THE OHIO UTILITIES PROTECTION SERVICE (800-362-2764) FOR THE MEMBER UTILITIES.

PERMITS: THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS UNLESS OTHERWISE INDICATED IN THESE DOCUMENTS.

PERMANENT PAVEMENT: WHERE DAMAGED OR REMOVED, THE PAVEMENT SHALL BE REPLACED BY FIRST REMOVING TEMPORARY PAVEMENT DOWN TO CLEAN GRANULAR MATERIAL AND REMOVING EXISTING PAVEMENT FOR AT LEAST 12 INCHES BEYOND THE TRENCH LIMITS ON EACH SIDE. PAVEMENT TO BE REMOVED SHALL BE NEATLY SAWED NOT MORE THAN 72 HOURS PRIOR TO THE PLACING OF PERMANENT PAVEMENT MATERIALS. PERMANENT PAVEMENT REPLACEMENT MATERIALS AND WORKMANSHIP SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS. ITEM 407, TACK COAT, SHALL BE APPLIED TO THE EXPOSED EXISTING PAVEMENT EDGES WHEN EITHER THE EXISTING OR NEW PAVEMENT IS BITUMINOUS MATERIAL. DEPENDING UPON THE BASE MATERIAL, ITEM 407, TACK COAT, OR ITEM 408, PRIME COAT, SHALL BE APPLIED TO THE BASE MATERIAL WHEN THE PERMANENT PAVEMENT IS BITUMINOUS MATERIAL, PRIOR TO THE PLACING OF THE PERMANENT PAVEMENT.

SAFETY OF CONSTRUCTION: THE CONTRACTOR SHALL COMPLY WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, FINDINGS AND ORDERS RELATING TO SAFETY AND HEALTH CONDITIONS ON THE WORK SITE. CONSTRUCTION METHODS FOR COMPLETING THE WORK DESCRIBED IN THESE CONTRACT DOCUMENTS SHALL BE CONSISTENT WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AMENDED CONSTRUCTION STANDARDS FOR EXCAVATIONS, 29 CFR PART 1926, SUB-PART P, EFFECTIVE MARCH 5, 1990.

FINAL GRADING AND CLEAN-UP: THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS OPERATION AND RESTORE ALL SURFACES, STRUCTURES, DITCHES, SIGNS, MAILBOXES, FENCES, GUARDRAILS, OR OTHER PHYSICAL FEATURES OR PROPERTY DISTURBED OR DAMAGED DURING WORK UNDER THIS CONTRACT TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER. THE COST OF ALL SUCH WORK SHALL BE INCLUDED WITH THE VARIOUS RELATED ITEMS.

SEEDING AND MULCHING: ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND ELEVATION OR TO THE PROPOSED ELEVATIONS SHOWN ON THE DRAWINGS, AND PROPER DRAINAGE SHALL BE PROVIDED. AFTER FINAL GRADING, THE SEED BED SHALL BE RAKED AND ALL STONES, CLODS, LUMPS AND OTHER FOREIGN MATERIAL GREATER THAN 1" IN DIAMETER SHALL BE REMOVED PRIOR TO SEEDING AND MULCHING. ALL AREAS SHALL BE SEEDED PER THE URBAN SEED MIX OF ITEM 659.09. THE CONTRACTOR SHALL WATER, RE-SEED AND MULCH AS NECESSARY UNTIL AN ACCEPTABLE STAND OF GRASS IS ACHIEVED.

EROSION CONTROL: THE CONTRACTOR SHALL INSTALL AND MAINTAIN SILT FENCES, DITCH CHECKS, TEMPORARY SEEDING, AND OTHER MEASURES AS NECESSARY TO CONTROL SOIL EROSION PER THE OHIO EPA STORM WATER REGULATIONS.

THE PROJECT IS LOCATED WITHIN THE BOUNDARIES OF A DESIGNATED SOLE SOURCE AQUIFER. BEST CONSTRUCTION PRACTICES ARE TO BE IMPLEMENTED TO MINIMIZE WATER QUALITY IMPACTS. IDLE EQUIPMENT, PETROCHEMICALS, AND TOXIC/HAZARDOUS MATERIALS SHALL NOT BE STORED NEAR DRAINAGE WAYS, DITCHES OR STREAMS. REFUELING SHALL NOT BE UNDERTAKEN NEAR DRAINAGE WAYS, DITCHES OR STREAMS. A SPILL CONTAINMENT KIT IS TO BE MAINTAINED ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. SPILLS OF FUELS, OILS, CHEMICALS, OR OTHER MATERIALS WHICH COULD POSE A THREAT TO GROUNDWATER SHALL BE CLEANED UP IMMEDIATELY. IF THE SPILL IS A REPORTABLE AMOUNT, THE LOCAL FIRE DEPARTMENT IS TO BE CONTACTED.

CURRENT ADT (2006) XXXX
DESIGN SPEED 45 MPH
LEGAL SPEED 45 MPH
DESIGN FUNCTIONAL CLASSIFICATION MINOR ARTERIAL

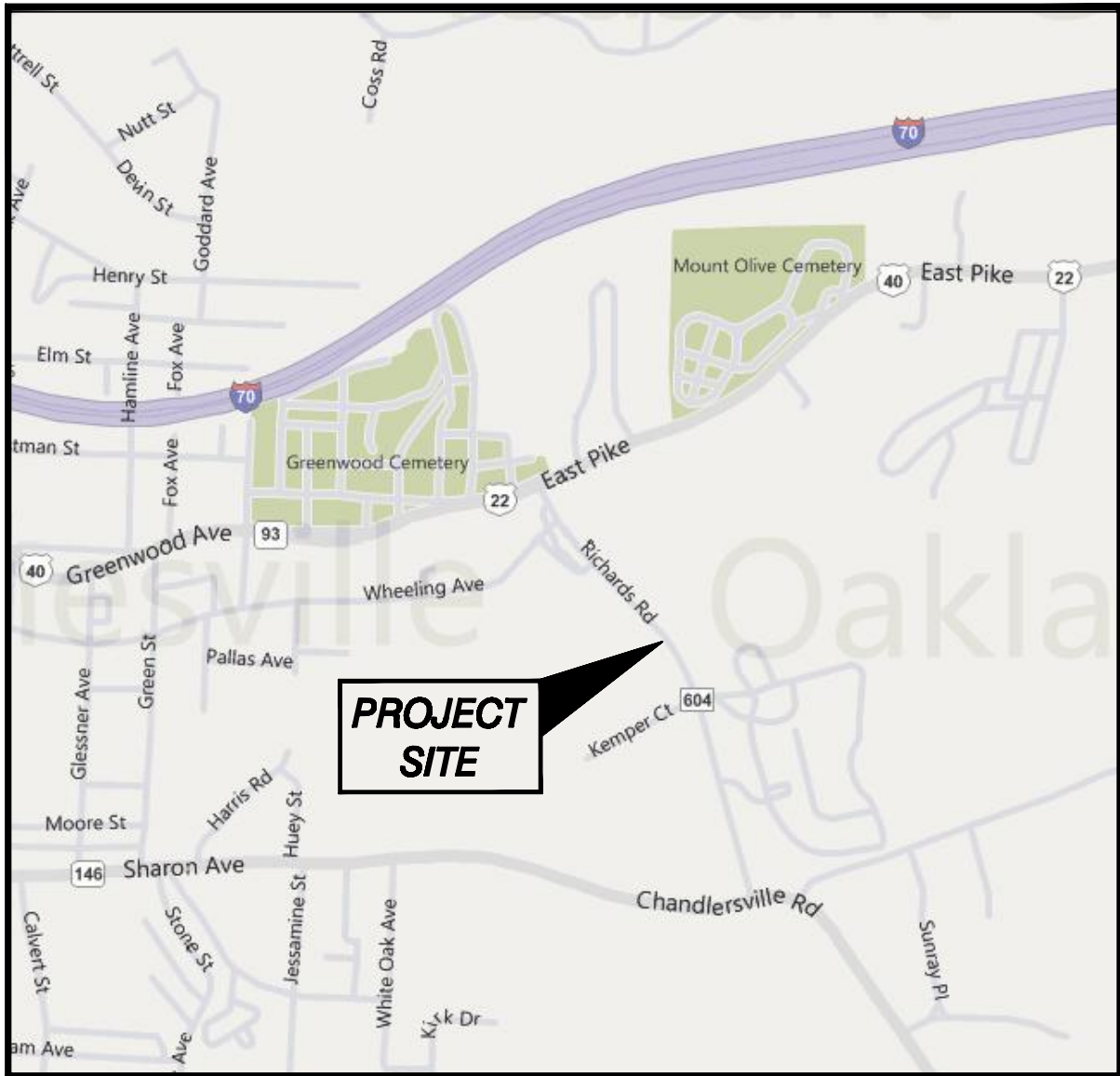
RICHARDS ROAD WIDENING PLAN MUSKINGUM COUNTY ZANESVILLE, OHIO

SUMMARY OF ESTIMATED QUANTITIES			
ITEM	TOTAL	UNIT	DESCRIPTION
201		LUMP	CLEARING & GRUBBING
202	X	SQ YD	PAVEMENT REMOVED
202	X	FT	CURB REMOVED
202	X	CU YD	CONCRETE TRAFFIC ISLAND REMOVED
202	X	FT	12" C.M.P. REMOVED
203		LUMP	EXCAVATION
203		LUMP	EMBANKMENT
204	X	SQ YD	SUBGRADE COMPACTION
207	X	FT	FILTER FABRIC FENCE
207	X	EACH	FILTER FABRIC DITCH CHECK
301	X	CU YD	ASPHALT CONCRETE BASE, PG-64-22
304	X	CU YD	AGGREGATE BASE
407	X	GAL	TACK COAT
408	X	GAL	PRIME COAT
448	X	CU YD	ASPHALT CONCRETE, SURFACE COURSE TYPE 1, PG-64-22
448	X	CU YD	ASPHALT CONCRETE, INTERMEDIATE COURSE TYPE 2, PG-64-22
602	X	CU YD	CONCRETE MASONRY
603	X	FT	STRUCTURAL BACKFILL, TYPE 1 & 2
605	X	FT	AGGREGATE DRAINS
609	X	CU YD	CONCRETE TRAFFIC ISLAND
614		LUMP	MAINTAINING TRAFFIC
617	X	CU YD	AGGREGATE BASE, TYPE A
625	X	EACH	RELOCATE LIGHT POLE
625	X	EACH	RELOCATE TRAFFIC PULL BOX
625	X	FT	CONDUIT, 2"
625	X	FT	TRENCH, 30" DEEP
625	X	EACH	CABLE SPLICING KIT
630	X	EACH	RELOCATE FLASHING SCHOOL SIGN
630	X	EACH	RELOCATE SCHOOL ZONE SIGN
630	X	EACH	SIGN (R-31Q-30)
630	X	EACH	SIGN REERECTION
641		LUMP	PAVEMENT MARKING-GENERAL
642	X	MILE	EDGE LINE, TYPE 1
642	X	MILE	CENTER LINE, TYPE 1
644	X	EACH	LANE ARROW
644	X	FT	CHANNELIZING LINE
644	X	FT	TRANSVERSE/DIAGONAL LINE
644	X	EACH	SCHOOL SYMBOL MARKING, 96"
659	X	SQ YD	SEEDING & MULCHING
659	X	TON	FERTILIZER
706	X	FT	REINFORCED CONCRETE PIPE, 706.02, CLASS IV
SPEC	X	FT	RELOCATE FENCE

ENGINEER'S ESTIMATE OF QUANTITIES: THE ENGINEER'S ESTIMATE OF QUANTITIES IS APPROXIMATE ONLY. THE ESTIMATED QUANTITIES ARE BELIEVED TO BE COMPLETE AND ACCURATE, HOWEVER, THE CONTRACTOR IS RESPONSIBLE TO COMPLETE THE PROJECT AS TO THE INTENT SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS AND CONTRACT DOCUMENTS. ADDITIONAL COMPENSATION WILL NOT BE MADE TO THE CONTRACTOR FOR HIS FAILURE TO INCLUDE THE TOTAL COST OF ALL LABOR, EQUIPMENT AND MATERIALS IN THE TOTAL BID PRICE.

ITEM NUMBERS REFER TO THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS

STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS
HL-30.11 10/16/2009	
HL-30.22 04/17/2009	
HL-60.11 01/19/2007	
HL-60.12 10/19/2007	
HW-2.2 04/21/2006	
TC-71.10 01/15/2010	
MT-97.10 04/17/2009	
MT-101.90 01/16/2009	



LOCATION MAP

NOT TO SCALE

1

INDEX OF SHEETS

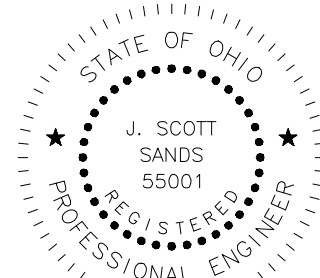
SHEET 1 TITLE SHEET
SHEET 2 TYPICAL SECTIONS
SHEET 3 PLAN & PROFILE STA. 136+00 TO STA. 142+00
SHEET 4 PLAN & PROFILE STA. 142+00 TO STA. 148+00
SHEET 5 PLAN & PROFILE STA. 148+00 TO STA. 153+00
SHEET 6 CROSS SECTION STA. XX+XX TO STA. XX+XX
SHEET 7 CROSS SECTIONS STA. XX+XX TO STA. XX+XX
SHEET 8 CROSS SECTIONS STA. XX+XX TO STA. XX+XX
SHEET 9 CROSS SECTIONS STA. XX+XX TO STA. XX+XX
SHEET 10 CROSS SECTIONS STA. XX+XX TO STA. XX+XX
SHEET 11 STRIPING & SIGNAGE PLAN
SHEET 12 MAINTENANCE OF TRAFFIC PLAN

PROJECT OWNER:

XXXX

CONSTRUCTION MANAGER:

XXXX



JOB #: DATE: 12/16/10

12/16/10
Registered Engineer Date

SHEET

T-1

MID-EAST CAREER AND TECHNOLOGY CENTER
ZANESVILLE CAMPUS

RICHARDS ROAD WIDENING
TITLE SHEET