

# ELMORE-EASTERN ROAD RESURFACING, C.R. 6, LOCATED IN SECTIONS 15, 16, 17, 20, 21 & 22, T6N, R14E, HARRIS TOWNSHIP, OTTAWA COUNTY, OHIO ~2016~

### PROJECT DESCRIPTION

RESURFACING 3 MILES OF ELMORE-EASTERN ROAD, C.R. 6, FROM THE VILLAGE OF ELMORE EAST CORPORATION LINE (SCHULTZ-PORTAGE ROAD) TO S.R. 590. EXTENSIVE BASE REPAIRS WILL ALSO BE INCLUDED ALONG THE EDGES OF THE ROADWAY.

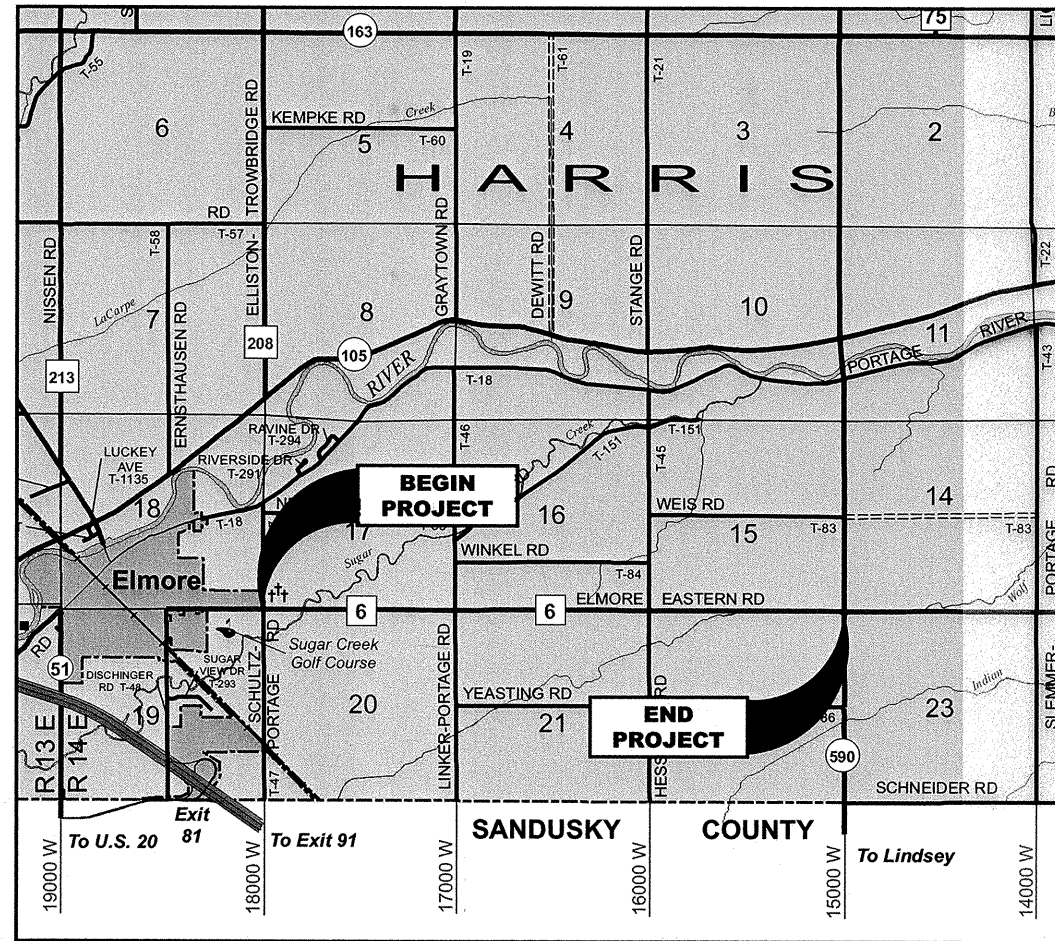
### DESIGN DESIGNATION

CURRENT A.D.T. (2009) \_\_\_\_\_ 1021  
DESIGN SPEED \_\_\_\_\_ 55 MPH  
FUNCTIONAL CLASSIFICATION \_\_\_\_\_ RURAL MINOR COLLECTOR

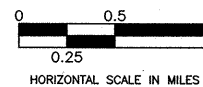
### UNDERGROUND UTILITIES



2 WORKING DAYS  
BEFORE YOU DIG  
CALL 1-800-362-2764 (TOLL FREE)  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS MUST BE CALLED DIRECTLY



— 21 — = COUNTY ROADS    — 16 — = STATE ROADS    T-110 = TOWNSHIP ROADS



### INDEX OF SHEETS

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### APPROVALS

WE THE COMMISSIONERS OF OTTAWA COUNTY, IN FORMAL SESSION HEREBY APPROVE THESE PLANS AND CERTIFY THAT THE NECESSARY RIGHT-OF-WAY IS AVAILABLE

*Jo Ellen Regal*  
JO ELLEN REGAL, COMMISSIONER      9/22/15  
DATE

*James M. Sass*  
JAMES M. SASS, COMMISSIONER      9/22/15  
DATE

*Steven M. Arndt*  
STEVEN M. ARNDT, COMMISSIONER      9/22/15  
DATE

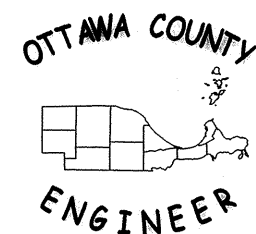
I HEREBY APPROVE THESE PLANS.

*Ronald P. Lajti, Jr.*  
RONALD P. LAJTI, JR., P.E., P.S.      9/22/15  
OTTAWA COUNTY ENGINEER      DATE



### 2013 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL, UNLESS STATED OTHERWISE, SHALL GOVERN THIS IMPROVEMENT.



**OTTAWA COUNTY ENGINEER'S OFFICE - 315 MADISON STREET - PORT CLINTON, OHIO 43452**

FEDERAL PROJECT NO.  
**E150022**

PID NO.  
**98978**

CONSTRUCTION PROJECT NO.  
**11-022**

RAILROAD INVOLVEMENT  
**NONE**

**OTT-CR6-1.03**

1/3

SHEET NUMBER													ITEM	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
OFFICE CALCS																		
													ROADWAY					
													1570	253	1570	CU YD	PAVEMENT REPAIR, AS PER PLAN	3
													157	253	157	CU YD	PAVEMENT REPAIR (AS NECESSARY), AS PER PLAN	3
													PAVEMENT					
													3202	407	3202	GAL	TACK COAT FOR INTERMEDIATE COURSE, AS PER PLAN	3
													3287	407	3287	GAL	TACK COAT, AS PER PLAN	3
													394	411	394	CU YD	STABILIZED CRUSHED AGGREGATE, AS PER PLAN	3
													1146	441	1146	CU YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
													1335	441	1335	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), PG64-22	
													INCIDENTALS					
													614	LUMP	SUM	MAINTAINING TRAFFIC, AS PER PLAN	3	
													832	LUMP	SUM	EROSION CONTROL	3	
													PAVEMENT MARKING					
													2.48	642	2.48	MILE	CENTERLINE, TYPE 1	
													4.96	642	4.96	MILE	EDGE LINE, 4 INCH, TYPE 1	

CALCULATED
CRM
CHECKED
JPM

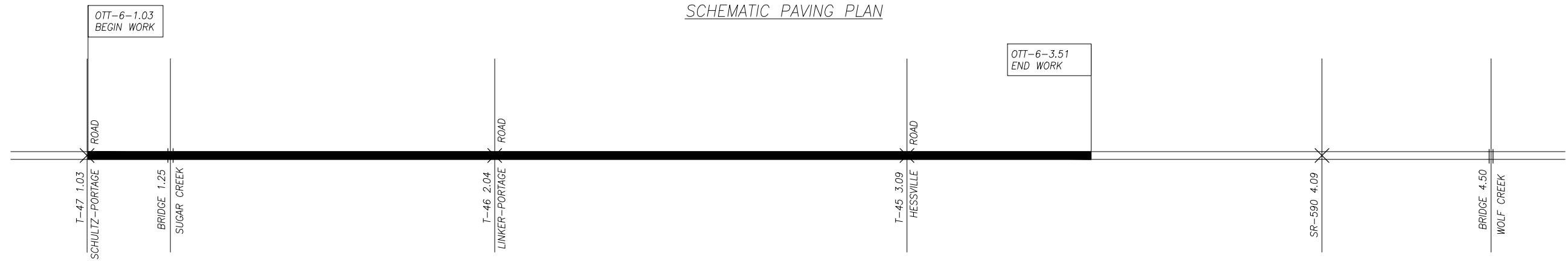
  
  

GENERAL SUMMARY
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OTT-CR6-1.03
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SCHEMATIC PAVING PLAN



PAVEMENT – GENERAL NOTES

CONSTRUCTION NOISE:

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9:00PM AND 6:00AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

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.

BUTT JOINTS:

ESTIMATE INCLUDES MILLING OF ABUTTING JOINTS AT ALL INVOLVED INTERSECTIONS. JOINTS SHALL BE FULL WIDTH OF PAVEMENT, 12 FEET IN LENGTH, AND AT A DEPTH EQUAL TO THE DEPTH OF THE PROPOSED ASPHALT OVERLAYMENT.

DRIVEWAYS:

DRIVEWAY APRONS AND MAILBOX APPROACHES SHALL BE PAVED UP TO 10 FEET FROM THE EDGE OF PAVEMENT. THIS WILL INCLUDE MILLING OF ABUTTING JOINTS AT ASPHALT AND CONCRETE DRIVES, AS DIRECTED BY THE ENGINEER. MILLING OF THESE JOINTS WILL NOT BE A SEPARATELY PAID ITEM. QUANTITIES FOR DRIVEWAYS ARE INCLUDED IN THE PAVEMENT LINE ITEMS.

BRIDGE OVER SUGAR CREEK:

441 INTERMEDIATE COURSE IS TO BE SUSPENDED AT BRIDGE LIMITS. 441 SURFACE COURSE IS TO BE PAVED OVER THE BRIDGE AT THE FULL WIDTH OF THE EXISTING DECK (28'). CONTRACTOR IS TO ENSURE SMOOTH TRANSITIONS TO BRIDGE DECK. ANY NECESSARY MILLING OF ROADWAY SURFACE ADJACENT TO THE BRIDGE DECK WILL NOT BE A SEPARATELY PAID ITEM.

ITEM 253 – PAVEMENT REPAIR, AS PER PLAN:

ALL REPAIRS SHALL BE BACKFILLED WITH A MINIMUM OF 5" OF ODOT ITEM 301. ALL REPAIRS ARE ANTICIPATED TO BE 5" IN DEPTH BUT MAY BE ADJUSTED AT THE TIME OF CONSTRUCTION IF DEEMED NECESSARY BY THE ENGINEER. THIS DETERMINATION WILL BE MADE UPON OBSERVATION OF THE BASE MATERIAL ONCE SURFACE MATERIAL IS REMOVED.

AS SHOWN IN TYPICAL PAVEMENT SECTION REPAIRS WILL DONE ON BOTH SIDES OF THE ROADWAY THROUGHOUT THE IMPROVEMENT. THESE REPAIRS WILL BE SUSPENDED AT BRIDGE LIMITS AS WELL AS THE INTERSECTIONS OF LINKER-PORTAGE & HESSVILLE ROADS. EXACT PAVEMENT REPAIR LIMITS WILL BE MARKED OUT ON SITE PRIOR TO CONSTRUCTION.

ITEM 253 – PAVEMENT REPAIR (AS NECESSARY), AS PER PLAN:

IT IS ANTICIPATED THAT ISOLATED AREAS MAY REQUIRE A REPAIR WIDTH GREATER THAN 4'. THESE LOCATIONS WILL BE MARKED OUT ON SITE BY THE ENGINEER AT THE TIME OF CONSTRUCTION. WORK, LABOR AND MATERIALS ASSOCIATED WITH THIS WORK HAVE BEEN INCLUDED AS A CONTINGENCY ITEM AND SHALL BE PERFORMED ONLY AS DIRECTED BY THE ENGINEER.

ITEM 407 – TACK COAT:

TACK COAT IS TO BE APPLIED PRIOR TO THE APPLICATION OF BOTH ASPHALT LAYERS AT A RATE OF 0.10 GAL PER SQ. YD.. THIS RATE MAY BE ADJUSTED SLIGHTLY AT THE TIME OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.

ITEM 411 – STABILIZED CRUSHED AGGREGATE, AS PER PLAN:

AN ADDITIONAL 30 CY OF MATERIAL HAS BEEN INCLUDED WITH THIS LINE ITEM FOR STONE DRIVEWAYS. MATERIAL IS TO BE ADDED TO DRIVEWAYS IN A MANNER ACCEPTABLE TO THE ENGINEER TO ENSURE SMOOTH TRANSITIONS TO PROPOSED ROADWAY SURFACE. WORK, LABOR AND MATERIALS ASSOCIATED WITH THIS WORK WILL BE INCLUDED IN THIS LINE ITEM AND IS NOT A SEPARATELY PAID ITEM.

ITEM 614 – MAINTAINING TRAFFIC:

TRAFFIC CAN BE RESTRICTED BUT IS TO BE MAINTAINED. TWO-WAY THROUGH TRAFFIC IS TO BE MAINTAINED THROUGHOUT CONSTRUCTION. ACCESS TO ADJACENT PROPERTIES IS TO BE MAINTAINED DURING CONSTRUCTION. CONTRACTOR IS TO SUPPLY ALL NECESSARY TRAFFIC CONTROL MEASURES.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT, AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614-MAINTAINING TRAFFIC.

ITEM 832 – EROSION CONTROL:

EVEN THOUGH THE PLAN DOES NOT REQUIRE OR INCLUDE AREAS OF DISTURBED EARTH, ITEM 832 HAS BEEN INCLUDED FOR THE ANY POTENTIAL EARTH DISTURBANCE THAT MAY ARISE. ADEQUATE EROSION AND SEDIMENT CONTROLS SHALL BE IMPLEMENTED AND MAINTAINED THROUGHOUT CONSTRUCTION, AS REQUIRED.

ENVIRONMENTAL COMMITMENTS:

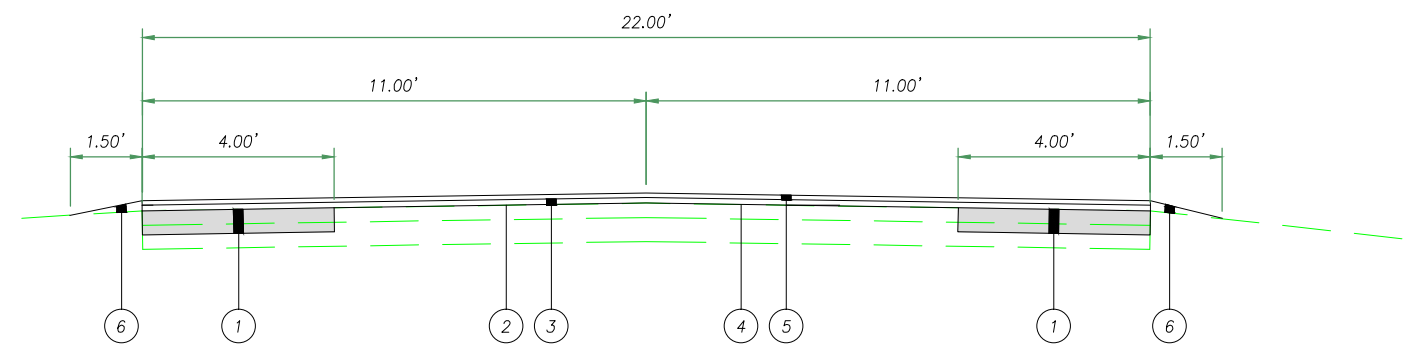
THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN

LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSE OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET. SHOULD ANY TREE NEED TO BE CUT, APPROVAL MUST BE GIVEN BY THE DISTRICT ENVIRONMENTAL COORDINATOR (DEC) PRIOR TO TREE CUTTING. NOTICE MUST BE GIVEN TO THE DEC A MINIMUM OF 2 WEEKS PRIOR TO REQUESTED TREE REMOVAL.

THE CONTRACTOR IS SHALL TAKE ALL PRECAUTIONS TO PREVENT ANY AND ALL MATERIAL FROM GOING OFF THE EDGE OF THE BRIDGE DECK(S) AND EDGE OF THE CULVERT(S) DURING ALL CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY MATERIAL THAT FALLS INTO ROADSIDE DITCHES, STREAMS, WETLANDS, OR OTHER WATERS THROUGH NON-MECHANICAL MEANS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR WORK IN OR STORE EQUIPMENT AND/OR MATERIALS IN ANY WETLANDS, STREAMS, OR OTHER WATERS. NO WORK OR STAGING IS PERMITTED BELOW THE TOP OF BANK OF ANY STREAM AND/OR WITHIN A WETLAND.

THIS PROJECT IS LOCATED WITHIN CLOSE PROXIMITY TO DRINKING WELLS. IN ORDER TO MINIMIZE THE POTENTIAL FOR A RELEASE IN THESE SENSITIVE AREA DO NOT PERFORM EQUIPMENT FUELING ALONG ELMORE EASTERN ROAD, COUNTY ROAD #6, BETWEEN SUGAR CREEK TO THE WEST AND HESSVILLE ROAD, TR #45. IF REFUELING OF IMMOBILE EQUIPMENT IS NECESSARY WITHIN THESE LIMITS, PROVIDE SECONDARY CONTAINMENT WITH ENOUGH CAPACITY TO COMPLETELY CONTAIN AND COLLECT ALL POTENTIAL LIQUID WASTES IN THE EVENT IF A SPILL. DO NOT PERFORM MAINTENANCE ACTIVITIES ASSOCIATED WITH ANY VISCOUS MATERIAL THAT HAS POTENTIAL TO CONTAMINATE THE GROUNDWATER. ALL EQUIPMENT OR LIQUID CONTAINERS SHALL BE REGULARLY CHECKED FOR LEAKS PRIOR TO ENTERING THE RESTRICTED AREAS. IDENTIFY ALL AREAS OF FUEL STORAGE, EQUIPMENT MAINTENANCE AND SPILL KITS ON THE STORMWATER POLLUTION PREVENTION PLAN. ALL AREAS UTILIZED BY THE CONTRACTOR NOT INCLUDED WITHIN THE LIMITS DESCRIBED ABOVE AND NOT IN THE PROJECT LIMITS SHALL BE ASSESSED FOR POTENTIAL GROUNDWATER CONTAMINATION AND BE INDICATED ON THE STORMWATER POLLUTION PREVENTION PLAN OR SPILL PREVENTION CONTROL AND SPILL COUNTERMEASURES PLAN. THE CONTRACTOR SHALL IMMEDIATELY TAKE STEPS TO MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS OILS, OR CHEMICALS. ANY SUCH SPILL OR EVENT SHALL BE REPORTED IMMEDIATELY TO THE EMERGENCY CONTACT PERSON LISTED BELOW FOR EACH DRINKING WATER SOURCE. IF THE SPILL IS A REPORTABLE AMOUNT, THE CONTRACTOR SHOULD CONTACT OTTAWA COUNTY EMERGENCY MANAGEMENT (419-734-6900) AND OHIO EPA ENVIRONMENTAL RESPONSE AND REVITALIZATION (419-373-3031 OR 800-282-9378) FOR CLEANUP OF THE SPILL.

TYPICAL PAVEMENT SECTION



NOTE – NOT TO SCALE

LEGEND

- ① ITEM 253 – PAVEMENT REPAIR (5" 301 ASPHALT CONCRETE BASE)
- ② ITEM 407 – TACK COAT FOR INTERMEDIATE COURSE @ 0.10 GALLONS PER SQ. YD.
- ③ ITEM 441 – 1 1/2 " ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I, (448) PG 64-22
- ④ ITEM 407 – TACK COAT @ 0.10 GALLONS PER SQ. YD.
- ⑤ ITEM 441 – 1 1/4 " ASPHALT CONCRETE SURFACE COURSE, TYPE I, (448), PG 64-22
- ⑥ ITEM 411 – 3" STABILIZED CRUSHED AGGREGATE