

# GENERAL NOTES

FHWA REGION	STATE	PROJECT	
5	OHIO	NH - 69(123)	

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15

LAKE COUNTY  
LAK-20-15.58

## GENERAL

### CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN SUMMARY FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED 'AS DIRECTED BY THE ENGINEER' UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DISCRETION, SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER COVERING COMPLETION OF THIS PROJECT.

### STATIONING AND LOCATIONS

STATIONING AND LOCATIONS INDICATED ON THESE PLANS ARE APPROXIMATE. ALL LOCATIONS AND ITEMS CALLED OUT BY STATION ARE SUBJECT TO ADJUSTMENT IN THE FIELD 'AS DIRECTED BY THE ENGINEER.'

### ELEVATION DATUM

ALL ELEVATIONS SHOWN ON THESE PLANS ARE IN FEET ABOVE THE U.S.G.S. DATUM PLANE.

### EXISTING TYPICAL SECTIONS

EXISTING TYPICAL SECTIONS HAVE BEEN TAKEN FROM THE RECORDS AND ARE BELIEVED TO REPRESENT THE EXISTING PAVEMENT. BUT THE STATE OF OHIO DOES NOT GUARANTEE THE ACCURACY OF THE SAME.

### ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS

THE ROUNDED CORNERS SHOWN ON THE TYPICAL SECTIONS APPLY TO ALL CROSS SECTIONS EVEN THOUGH OTHERWISE SHOWN ON THESE PLANS.

### UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 OF THE OHIO REVISED CODE.

### UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

WATER & SEWER:	CITY ENGINEER, CITY OF PAINESVILLE 7, RICHMOND STREET PAINESVILLE, OHIO 44077 946-6313
ELECTRIC:	PAINESVILLE ELECTRIC 7, RICHMOND STREET PAINESVILLE, OHIO 44077 946-6313
GAS:	EAST OHIO GAS COMPANY 1201 E. 55TH STREET CLEVELAND, OHIO 44103 361-2345
TELEPHONE:	OHIO BELL TELEPHONE COMPANY 34 SOUTH ST. CLAIR STREET PAINESVILLE, OHIO 44077 822-9000

### CLEARING AND GRUBBING

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

### DRAINAGE

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK.

THE CONDITIONS OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE STATE OF OHIO.

ALL NEW CONDUITS, INLETS, CATCH BASINS AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES, SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PERTINENT 603 CONDUIT ITEMS OF THE CONTRACT.

### CONNECTIONS TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED DRAINAGE STRUCTURES OR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE

PROPOSED CONDUIT OR TO CONSTRUCT THE PROPOSED DRAINAGE STRUCTURE. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNITY PRICE BID FOR THE PERTINENT 603 OR 604 ITEMS.

### ITEM 203 - EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLAN

THE SOIL BED UNDER THE ABANDONED RAILROAD TRACKS IS VERY SOFT. THE EXISTING SOIL UNDER THE PROPOSED 30" PIPE SHALL BE REMOVED FOR ONE FOOT BEYOND THE PIPE ON EITHER SIDE TO A DEPTH OF TWO FEET AND SHALL BE REPLACED BY A COMPACTABLE GRANULAR MATERIAL MEETING 203.02.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 203 - EXCAVATION INCLUDING EMBANKMENT CONSTRUCTION, AS PER PLAN 64 CU.YD.\*  
\* CARRIED FROM SHEET 10

### PAVEMENT:

#### ~~ITEM 204 - AGGREGATE BASE, AS PER PLAN~~

~~MATERIALS FURNISHED FOR THIS ITEM SHALL EXCLUDE ALL SLAG EXCEPT GRANULATED SLAG OR CRUSHED AIR COOLED BLAST FURNACE SLAG.~~

#### ITEM 407 - TACK COAT

THE RATE OF APPLICATION OF 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT, AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AVERAGE APPLICATION RATES OF 0.1 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

#### ITEM 614 - MAINTENANCE OF TRAFFIC

THE ROAD WILL BE CLOSED TO THROUGH TRAFFIC. DETOURS ARE AS SHOWN ON SHEET No. 11 OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY THE CITY OF PAINESVILLE POLICE, FIRE AND SERVICE DEPARTMENTS 5 WORKING DAYS BEFORE RESTRICTING OR CLOSING TO TRAFFIC ANY STREET OR THE CHANGING OF THE TRAFFIC PATTERN IN ANY WAY.

THE CONTRACTOR SHALL MAINTAIN SAFE AND SATISFACTORY ACCESS TO ADJUTING PROPERTY. THE CONTRACTOR SHALL MAINTAIN ADEQUATE PEDESTRIAN WALKS AT ALL INTERSECTIONS, INCLUDING TEMPORARY ASPHALT CONCRETE WALKS, WHERE DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL DIVERT TRAFFIC FROM NORMAL CHANNELS BY DRUMS, FLASHING ARROWS, AND PAVEMENT MARKINGS. SEE SHEET No. 11 FOR TYPICAL MAINTENANCE OF TRAFFIC DETAILS.

ALL CONSTRUCTION TRAFFIC CONTROL SIGNS USED FOR THIS PROJECT SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND SHALL BE PROVIDED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR PER THE MANUAL.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS SUCH AS BARRICADES, SATISFACTORY BARRIERS, LIGHTING, FLAGMEN, TEMPORARY GUARDRAIL, AND SUCH OTHER TRAFFIC CONTROL DEVICES AS PROVIDED IN 'ITEM 614 MAINTAINING TRAFFIC' SO AS TO AVOID DAMAGE AND/OR INJURY TO VEHICLES AND PERSONS USING THE ROADWAY DURING CONSTRUCTION.

EXISTING SIGNS LOCATED WITHIN THE WORK AREA, WHICH ARE REQUIRED FOR INTERIM OR PERMANENT TRAFFIC CONTROL, SHALL BE RELOCATED TO POINTS APPROVED BY THE ENGINEER. SIGNS SHALL BE MAINTAINED AT ALL TIMES WHILE TRAFFIC IS MAINTAINED. THE COST OF RELOCATION AND SUBSEQUENT REMOVAL, IF REQUIRED, OF SIGNS WILL BE INCLUDED IN THE PRICE BID FOR ITEM 614 'MAINTAINING TRAFFIC.'

PAYMENT FOR LABOR AND EQUIPMENT REQUIRED FOR THE CONSTRUCTION, MAINTENANCE AND SUBSEQUENT REMOVAL OF APPROACHES, DRIVEWAYS, BARRICADES, LIGHTS, FLASHING ARROWS, SIGNS AND SIGN SUPPORTS, SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 - MAINTAINING TRAFFIC.

### TEMPORARY PAVEMENT MARKINGS

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

614 - TEMPORARY CENTERLINE CLASS 11 0.15 MILES  
SEE MT - 99.10 FOR REQUIREMENTS

THIS ITEM MAY BE NON-PERFORMED IF THE 642 PAVEMENT MARKINGS ARE IN PLACE PRIOR TO OPENING THE ROAD TO TRAFFIC.

### WINTER TRAFFIC LIMITATIONS

ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC BETWEEN NOVEMBER 15 AND APRIL 15. NOVEMBER 15 SHALL BE CONSIDERED TO CONSTITUTE AN INTERIM COMPLETION DATE AND LIQUIDATED DAMAGES SHALL BE ASSESSED IN ACCORDANCE WITH SECTION 108.07 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR EACH CALENDAR DAY THAT ALL LANES ARE NOT OPEN AND AVAILABLE TO TRAFFIC.

### SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS WITHIN THE WORK LIMITS.

### EROSION CONTROL

#### TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED AS DIRECTED BY THE ENGINEER FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

ITEM 207 - STRAW OR HAY BALES	100 EACH
ITEM 207 - FILTER FABRIC FENCE	200 LIN. FT.
ITEM 659 - WATER	3 M. GALS.

#### ITEM 605 - AGGREGATE DRAINS

AGGREGATE DRAINS SHALL BE PLACED AT 50 FEET INTERVALS, AND EACH STAGGERED 25 FEET LEFT AND RIGHT.

#### EROSION CONTROL PADS AND ANIMAL GUARDS

EROSION CONTROL PADS AND ANIMAL GUARDS SHALL BE PROVIDED AT OUTLET END OF ALL PIPE UNDERDRAINS AND FARM DRAINS AS PER STANDARD CONSTRUCTION DRAWINGS, MC-4, EXCEPT WHEN THE OUTLET INTO A DRAINAGE STRUCTURE. THE PAYMENT FOR EROSION CONTROL PADS AND ANIMAL GUARDS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 603 - 30" CONDUIT TYPE A, 706.02, D-LOAD=1750.

#### ITEM 607 - FENCE, TYPE CL

THE FABRIC FOR THE FENCE SHALL BE VINYL COATED IN ACCORDANCE WITH 710.03.

### TRAFFIC CONTROL DEVICES OUTSIDE OF THE LIMITS OF CONSTRUCTION

*IN ADDITION TO THE REQUIREMENTS OF 614.03(b), THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN, AND SUBSEQUENTLY REMOVE SUCH ADDITIONAL TRAFFIC CONTROL DEVICES LOCATED OUTSIDE OF THE LIMITS OF CONSTRUCTION AS ARE REQUIRED ON HIGHWAYS WHICH ARE USED AS DETOURS, INCLUDING THE ROAD CLOSED SIGNS UPON THE BARRICADES AT THE POINT WHERE THE HIGHWAY IS CLOSED.*