

GENERAL NOTES

CALC. BY	LAK-84-1888	OHIO	2
DATE		FHWA	
CHKD. BY		REGION	
DATE		FEDERAL PROJECT	

PLAN NO. BR-52-8c

THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PREVENT DAMAGE TO PAVEMENT, ELECTRIC, TELEPHONE AND WATER LINES ON "STATE ROUTE 84" DURING CONSTRUCTION OF THE SHEET PILING AND DEADMAN ANCHOR. THE COST OF PROTECTION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 503, COFFERDAMS CRIBS AND SHEETING.

WEEPHOLES

1 INCH DIAMETER WEEPHOLES MADE BY EITHER CUTTING OR BURNING, SHALL BE LOCATED 3 FT. ON CENTERS HORIZONTALLY AND AT THE ELEVATION SHOWN ON THE PLANS.

SOIL INFORMATION

SUBSURFACE INVESTIGATIONS HAVE BEEN MADE WITHIN THE PROJECT AREA. COPIES OF THIS DATA MAY BE INSPECTED IN THE DISTRICT DEPUTY DIRECTOR'S OFFICE AT 10100 BROADWAY AVENUE, GARFIELD HEIGHTS OR THE LAKE COUNTY ENGINEERS OFFICE AT 550 BLACKBROOK ROAD, PAINESVILLE, OHIO.

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS HAVE BEEN OBTAINED BY FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.

UTILITIES

THE FOLLOWING IS A LIST OF UTILITIES WITHIN OR ADJACENT TO THE CONSTRUCTION LIMITS OF THIS PROJECT:

CLEVELAND ELECTRIC ILLUMINATING CO. 55 PUBLIC SQUARE CLEVELAND, OHIO 44101	OHIO BELL TELEPHONE CO. 820 SUPERIOR AVE. N.W. CLEVELAND, OHIO 44113
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CITY OF PAINESVILLE
SERVICE DEPARTMENT
459 STORRS STREET
PAINESVILLE, OHIO 44077

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 THE PLANS.

ITEM 603 - JACKING PIPE

AS A PART OF THIS CONTRACT, IT WILL BE NECESSARY TO INSTALL 12" CONDUIT UNDER THE EXISTING PAVEMENT AT STA. 13+75 BY THE METHOD OF BORING OR JACKING. NO TRENCH EXCAVATION OR EQUIPMENT SHALL BE CLOSER THAN 4 FT. TO THE EDGE OF PAVEMENT. TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SPECIFICATION REQUIREMENT FOR CLASS B BEDDING SHALL BE DISREGARDED. CONDUIT TO BE INSTALLED BY BORING AND JACKING SHALL BE PAID FOR AS ITEM 603 - 12" CONDUIT, TYPE B, AS PER PLAN.

ITEM 609 - CURB, STD TYPE 6, AS PER PLAN

THE END OF THE CURB SECTION AT STA. 12+25 LT. SHALL BE CONSTRUCTED WITH A 10 FT. TAPER OF 6" TO 0" HEIGHT. THIS ITEM SHALL BE PAID FOR AS ITEM 609 CURB, STD TYPE 6, AS PER PLAN.

ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIFICATION 614 AND THE CONSTRUCTION SEQUENCE SHOWN ON THE MAINTAINENCE OF TRAFFIC SHEET. TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND BERMS RECONSTRUCTED WITH ITEM 615, TEMPORARY PAVEMENT, CLASS B. TRAFFIC SHALL BE SEPARATED FROM THE WORK AREA BY MEANS OF ITEM 622, TEMPORARY CONCRETE BARRIER, AS PER PLAN. SEPARATE PAYMENT SHALL BE MADE FOR ITEMS 615, 622, AND 614 (TEMPORARY PAVEMENT MARKINGS). ALL OTHER WORK REQUIRED FOR TRAFFIC MAINTENANCE SHALL BE INCLUDED WITH PAYMENT FOR ITEM 614, MAINTAINING TRAFFIC.

ITEM 615 - TEMPORARY ROADS AND PAVEMENT

THE TEMPORARY CLASS B PAVEMENT SHALL BE 3 FT. WIDE AND CONSTRUCTED ALONG THE EDGE OF THE EXISTING PAVEMENT. THE ALIGNMENT SHALL BE AS PER THE TYPICAL SHEET. ANY EXCAVATION PERFORMED, NECESSARY TO CONSTRUCT THE TEMPORARY PAVEMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 615, TEMPORARY PAVEMENT, CLASS B AS PER PLAN. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED IN CONSTRUCTING THE TEMPORARY CLASS B PAVEMENT ITEM 615 TEMPORARY PAVEMENT, CLASS B, 174 SQ.YDS

ITEM 622 - TEMPORARY CONCRETE BARRIER, AS PER PLAN

THIS ITEM SHALL INCLUDE FURNISHING, RELOCATING AND SUBSEQUENTLY REMOVING TEMPORARY CONCRETE BARRIER IN ACCORDANCE WITH STANDARD DRAWING MC-9A AND CONSTRUCTION SEQUENCE DETAILS SHOWN ON SHEET NO. 11. THE QUANTITY SHOWN IS FOR A SINGLE PHASE OF TRAFFIC MAINTENANCE ONLY. THE SAME BARRIER SHALL BE UTILIZED IN BOTH PHASES OF CONSTRUCTION. MOVEMENT OF THE BARRIER BETWEEN PHASES SHALL BE ACCOMPLISHED IN ONE WORKING DAY. FLAGMEN SHALL BE UTILIZED FOR THE PROTECTION OF VEHICULAR TRAFFIC UNTIL MOVEMENT OF THE TEMPORARY BARRIER AND OTHER TRAFFIC CONTROL DEVICES IS COMPLETE AND TRAFFIC IS MAINTAINED AS PER PHASE II. PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 622 TEMPORARY CONCRETE BARRIER, AS PER PLAN. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY. ITEM 622 TEMPORARY CONCRETE BARRIER, AS PER PLAN 180 L.F.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP 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 GOVERNING COMPLETION OF THIS PROJECT.)

LOCATION OF GUARDRAIL

THE LOCATION OF GUARDRAIL RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

CONSTRUCTION SEQUENCE

PHASE I

BEFORE STARTING ANY WORK WHICH REQUIRES THE SHIFTING OF THE TRAFFIC LANE, INSTALL ALL TEMPORARY PAVEMENT, TEMPORARY CONCRETE BARRIERS, SIGNS, LIGHTS AND TEMPORARY PAVEMENT MARKINGS SHOWN FOR PHASE I SHALL BE FURNISHED AND ERECTED BY THE CONTRACTOR. WHEN THE ABOVE REQUIREMENTS HAVE BEEN SATISFIED, REMOVE THE EXISTING GUARDRAIL TO THE RIGHT OF CENTERLINE, REMOVE TEMPORARY CONCRETE WALL AND CORRUGATED PIPE, CONSTRUCT SHEET PILING AND REPAIR SLOPES AS REQUIRED. PLACE THE GROUT FILLED FABRIC BAGS AS PER PLAN, AND PUMP GROUT IN THE CAVITY OF THE ABUTMENT FOOTING, USING THE FEED AND VENT PIPES, AS REQUIRED. EACH LAYER OF GROUT FILLED FABRIC BAGS SHALL BE ALLOWED TO SET, BEFORE THE NEXT LAYER IS PLACED. PLACE TYPE 5 GUARDRAIL AND ANCHOR ASSEMBLY AND RECONSTRUCT BERM TO RIGHT OF CENTERLINE.

PHASE II

RELOCATE THE TEMPORARY CONCRETE BARRIER, SIGNAL, SIGNS, LIGHTS AND PAVEMENT MARKINGS AS SHOWN FOR PHASE 2. MOVEMENT OF TEMPORARY CONCRETE BARRIER, SIGNALS, SIGNS, LIGHTS AND PAVEMENT MARKINGS BETWEEN PHASES SHALL BE ACCOMPLISHED IN ONE WORKING DAY. FLAGMEN SHALL BE UTILIZED FOR PROTECTION OF VEHICULAR TRAFFIC UNTIL RELOCATION OF THE TEMPORARY CONCRETE BARRIER, SIGNALS, SIGNS, LIGHTS AND PAVEMENT MARKINGS IS COMPLETED. WHEN THE ABOVE REQUIREMENTS HAVE BEEN SATISFIED, REMOVE THE EXISTING GUARDRAIL TO THE LEFT OF CENTERLINE, CONSTRUCT SHEET PILING, CONSTRUCT CONDUIT JACKED UNDER PAVEMENT, DRAINAGE OUTLET, REPAIR SLOPES AS REQUIRED, AND CONSTRUCT TYPE 6 CURB. PLACE TYPE 5 GUARDRAIL AND ANCHOR ASSEMBLY. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AS NOTED ABOVE AND PLACE PERMANENT PAVEMENT MARKINGS.

SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR SOIL AREAS TO A POINT 2 FT. BEYOND THE WORK LIMITS.

WATERING PERMANENT SEED AREAS

ESTIMATED QUANTITIES FOR ITEM 659, WATER, TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH AND TO CARE FOR THE PERMANENT SEEDED AREAS, AS PER 659.09, HAVE BEEN PROVIDED IN THE GENERAL SUMMARY.