

ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF ITEM 614 MAINTAINING TRAFFIC, EXCEPT ON THOSE ROADS CLOSED TO TRAFFIC AS SHOWN ON SHEETS 3 AND 3A. IN AREAS OPEN TO TRAFFIC, TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND THE COMPLETED PAVEMENT. THE CONTRACTOR SHALL CONDUCT ALL WORK SO THAT THERE IS A MINIMUM OF HAZARD, DELAY, AND INCONVENIENCE TO TRAFFIC. IN ADDITION, THE FOLLOWING PROVISIONS ARE TO BE MADE:

1. ROAD CLOSURES

THE BRIDGE, STATE ROUTE 44 OFF RAMP AND STATE ROUTE 44 ON RAMP AT JACKSON STREET SHALL BE CLOSED TO TRAFFIC AS SHOWN ON SHEET 3A UNTIL CONSTRUCTION IN THESE AREAS HAS BEEN COMPLETED.

DETOUR. THE CONTRACTOR SHALL PROVIDE, ERECT, MAINTAIN, AND SUBSEQUENTLY REMOVE ALL DETOUR SIGNS, AND TRAFFIC CONTROL DEVICES WHEN NO LONGER NEEDED (AS SHOWN ON SHEETS 3 AND 3A). ALL DETOUR SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

2. MAINTENANCE OF TRAFFIC

WHERE IT IS NECESSARY TO CLOSE A LANE ON JACKSON STREET FOR WEST APPROACH PAVEMENT WORK, FLAGGERS SHALL BE UTILIZED TO MAINTAIN TWO-WAY TRAFFIC. THE TIME AND LENGTH OF SUCH A CLOSURE SHALL BE KEPT TO A MINIMUM. SEE STANDARD CONSTRUCTION DRAWING MT-97.10. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

3. DETOUR LIMITATIONS

ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC BETWEEN AUGUST 16 AND JUNE 10. AUGUST 16 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.

LIMITATIONS OF OPERATIONS SUMMARY

THE CONTRACTOR'S ACTIVITIES AND WORK SCHEDULE SHALL BE CONSTRAINED BY THE FOLLOWING SPECIAL LIMITATIONS:

1. MAINTENANCE OF TRAFFIC RESTRICTIONS.
2. NO CONCRETE PATCHING, CONCRETE OVERLAY, CONCRETE SEALING, JOINT SEALING OR STRUCTURAL STEEL COATING OPERATIONS SHALL BE PERFORMED DURING THE PERIOD BEGINNING NOVEMBER 1ST AND ENDING MARCH 31ST.
3. ACCESSIBLE STRUCTURAL STEEL SHALL BE PAINTED ONLY AFTER ALL OTHER WORK IS COMPLETE.

PROTECTION OF PUBLIC

WHENEVER ANY WORK IS BEING DONE DIRECTLY OVER A TRAVELED LANE OR SHOULDER THE CONTRACTOR SHALL SUPPLY SUFFICIENT SAFETY EQUIPMENT AS APPROVED BY THE ENGINEER TO PROTECT THE TRAVELING PUBLIC FROM ANY CONSTRUCTION DEBRIS. IF TRAVELED LANES UNDER STRUCTURES ARE TO BE CLOSED FOR REASONS OF SAFETY, METHOD AND TIME OF CLOSURE MUST BE APPROVED PRIOR TO IMPLEMENTATION. PERSONAL CARS SHALL NOT BE PARKED WITHIN THE RIGHT-OF-WAY. PAYMENT FOR THIS WORK, INCLUDING ALL MATERIALS, LABOR AND EQUIPMENT, SHALL BE INCLUDED IN ITEM 614 MAINTAINING TRAFFIC.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN

THIS ITEM SHALL CONSIST OF CONSTRUCTING AND REMOVING RIGID TEMPORARY CONSTRUCTIONS REQUIRED TO PROTECT VEHICULAR TRAFFIC AGAINST DAMAGE FROM FALLING MATERIALS, DEBRIS AND OTHER DEMOLITION OPERATIONS WHILE SUPERSTRUCTURE CONCRETE IS BEING REMOVED OR WHILE THE CONTRACTOR IS WORKING OVERHEAD. THE TEMPORARY PROTECTIVE STRUCTURE SHALL PROVIDE PROTECTION FOR THE ROADWAY AND SHOULDER DIRECTLY BELOW THE SPANS, PLUS ENOUGH ADDITIONAL COVERAGE IN THE AREA TO PREVENT ANY FALLING MATERIALS FROM ANY SPAN FROM REACHING THESE AREAS. THE PROTECTION SHALL EXTEND BEYOND THE EXTERIOR STRUCTURAL BEAM A SUFFICIENT DISTANCE TO PROTECT UNDER THE PARAPET. THE DEPTH OF THE TEMPORARY PROTECTIVE STRUCTURE SHALL BE KEPT TO A MINIMUM.

TEMPORARY PROTECTIVE STRUCTURES MAY BE SUPPORTED FROM THE EXISTING STRUCTURAL STEEL. ALL CONNECTIONS THERETO SHALL BE MADE BY MEANS OF APPROVED CLAMPS. THE DRILLING OF HOLES IN THE EXISTING STEEL, OR WELDING THERETO, FOR THIS PURPOSE WILL NOT BE PERMITTED.

AFTER THE TEMPORARY PROTECTIVE STRUCTURE HAS SERVED ITS PURPOSE, AND WHEN SO DIRECTED BY THE ENGINEER, IT SHALL BE REMOVED. ALL MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE.

DETAILS OF THE TEMPORARY PROTECTIVE STRUCTURE SHALL BE SUBMITTED TO THE DIRECTOR FOR APPROVAL. PROTECTIVE STRUCTURE SHALL NOT DECREASE THE EXISTING UNDERCLEARANCE.

PAYMENT FOR THIS WORK, INCLUDING ALL MATERIALS, LABOR, AND EQUIPMENT, SHALL BE INCLUDED IN ITEM 202- PORTIONS OF STRUCTURE REMOVED, AS PER PLAN. SEE SHEET 11/24 FOR ADDITIONAL NOTES.

BRIDGE TERMINAL ASSEMBLY, TYPE J, AS PER PLAN

WHEN ATTACHING THE GUARDRAIL TO THE EXISTING PARAPET THE CONTRACTOR SHALL USE A TERMINAL CONNECTOR WITH 4- 1/8" x 14" HEXHEAD BOLTS & NUTS WITH 3" x 3/4" x 1/2" PL WASHERS AS PER GR-3B (TYPE J).

BRIDGE TERM. ASSEM., TYPE J, AS PER PLAN (CONT.)
THE FIRST THREE POSTS SHALL BE STEEL & ENCASED IN CONCRETE.

GENERAL NOTES

ROADWAY

UNDERGROUND UTILITIES

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

UTILITY OWNERSHIP

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

- SANITARY SEWERS: CITY OF PAINESVILLE
7 RICHMOND STREET
PAINESVILLE, OHIO 44077
TELEPHONE: 352-9301
- WATER LINES: CITY OF PAINESVILLE
7 RICHMOND STREET
PAINESVILLE, OHIO 44077
TELEPHONE: 352-9301
- ELECTRIC: PAINESVILLE ELECTRIC POWER
P.O. BOX 601
PAINESVILLE, OHIO 44077
TELEPHONE: 352-9301, EXT. 226
- TELEPHONE: OHIO BELL TELEPHONE CO.
34 SOUTH ST. CLAIR STREET
PAINESVILLE, OHIO 44077
TELEPHONE: 352-5835
- GAS: EAST OHIO GAS COMPANY
1717 EAST NINTH STREET
P.O. BOX 5759
CLEVELAND, OHIO 44101-0759
TELEPHONE: 432-6803

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL 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 GOVERNING COMPLETION OF THIS PROJECT.)

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER, FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

207	TEMPORARY SEEDING AND MULCHING	610 SQ. YD.
207	STRAW OR HAY BALES	100 EACH
659	COMMERCIAL FERTILIZER	0.04 TON
659	REPAIR SEEDING AND MULCHING	155 SQ. YD.
659	WATER	1 M-GAL.

PROFILE AND ALIGNMENT

THE PROPOSED PAVEMENT RESURFACING COURSES SHALL FOLLOW THE ALIGNMENT AND PROFILE OF EXISTING PAVEMENTS. THE PROPOSED ASPHALT OVERLAYS SHALL HAVE THE FOLLOWING THICKNESS AND COMPOSITION:

ITEM 404	1 1/4" DEPTH
ITEM 402	1 3/4" DEPTH

TACK COAT

THE TACK COAT RATE OF APPLICATION SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.10 GAL/SQ. YD. FOR ESTIMATING PURPOSES ONLY.

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.

CALC BY T.J.H.
DATE OCT. 1989
CHKD BY W.A.C.
DATE OCT. 1989

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WATERING PERMANENT SEEDED AREAS

AN ESTIMATED QUANTITY OF 7 M-GAL OF ITEM 659 WATER HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

REMOVAL OF TREES

ALL TREES SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

THE FOLLOWING IS AN ESTIMATE OF THE NUMBER OF TREES TO BE REMOVED:

SIZE	NO. OF TREES
24"	1

THE ABOVE ESTIMATE IS APPROXIMATE AND THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT-OF-WAY LINES. PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

ITEM 310 - SUBBASE, TYPE I, GRADING A, AS PER PLAN

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

MANHOLES, CATCH BASINS, INLETS, OR WATER VALVE BOXES ADJUSTED TO GRADE

ALL CASTINGS, EXCEPT THOSE OWNED BY PRIVATE COMPANIES, SHALL BE ADJUSTED BY THE CONTRACTOR. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO PERFORM THIS WORK:

ITEM	DESCRIPTION	QUANTITY
814	WATER VALVE BOX ADJUSTED TO GRADE	3 EA.
604	MANHOLE ADJUSTED TO GRADE	4 EA.
604	CATCH BASIN ADJUSTED TO GRADE	6 EA.

ITEM 305 - CONCRETE BASE JOINT SPACING

THE MAXIMUM SPACING OF JOINTS SHALL BE 17'. THE CONTRACTOR SHALL MATCH THE EXISTING JOINTS.

ITEM 608 - CURB RAMPS, TYPE 2

A CURB RAMP, TYPE 2, IS TO BE INSTALLED AT THE INTERSECTION OF FERN DRIVE AND JACKSON STREET AS SHOWN ON SHEET 7/24 ANY NECESSARY CURB OR CONCRETE SIDEWALK REPLACEMENT FOR THE CONSTRUCTION OF THE CURB RAMP IS TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 608 - CURB RAMPS, TYPE 2.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO PERFORM THIS WORK.

ITEM 608 - CURB RAMPS, TYPE 2	30 SQ. FT.
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ITEM 619 - FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 300 SQ. FT. OF FLOOR SPACE. PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

ITEM 659 - SEEDING AND MULCHING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE RIGHT-OF-WAY FENCE LINES FROM STA. 283+00 TO STA. 284+00 (S.R. 44) AND AS SHOWN IN THE CROSS SECTIONS ON SHEET 9/24 FOR RAMP WIDENING AREAS.

JOINT SEALERS

A/L REFERENCES TO 705.01 OR 705.02 APPEARING ON STANDARD DRAWINGS OR ON THE PLANS SHALL BE CONSIDERED TO READ 705.04.

ITEM 254 - PAVEMENT PLANING, PORTLAND CEMENT CONCRETE

PAVEMENT PLANING SHALL BE PERFORMED AT THE LOCATIONS INDICATED ON SHEET 2. THE TIME BETWEEN PLANING OPERATIONS AND OVERLAY OPERATIONS SHALL BE KEPT TO A MINIMUM, AND SHALL IN NO CASE EXCEED 36 HOURS. ANY NECESSARY CLEANING ALONG THE CURB, INCLUDING DEBRIS REMOVAL, SHALL BE INCLUDED IN THE COST OF PAVEMENT PLANING.

PAYMENT FOR THIS WORK SHALL BE PER SQUARE YARD OF ITEM 254 & PAVEMENT PLANING, PORTLAND CEMENT CONCRETE.