

ITEM 601 - ROCK CHANNEL PROTECTION, TYPE A, WITH FILTER, AS PER PLAN

THIS ITEM SHALL INCLUDE THE GROUTING OF THE PLACED ROCK WITH CLASS C CONCRETE. THE CONCRETE SHALL BE IN A SUITABLE CONDITION TO FLOW BETWEEN THE ROCKS AND SECURELY BIND THE ENTIRE MASS TOGETHER.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDING AREAS:

659, SEEDING AND MULCHING	750 SQ. YD.
659, TOPSOIL	42 CU. YD.
659, COMMERCIAL FERTILIZER	0.10 TON
659, AGRICULTURAL LIME	0.31 TON
659, WATER	5 M GAL
670, SLOPE EROSION PROTECTION	375 S.Y.

THE CONTRACTOR IS REQUIRED TO ESTABLISH A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE ENGINEER.

CONSTRUCTION SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE PLACED BY THE CONTRACTOR WITH THE ENGINEER'S CONCURRENCE FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

207, CONSTRUCTION SEEDING AND MULCHING	375 SQ. YD.
207, SLOPE DRAINS	100 LIN. FT.
207, SEDIMENT BASINS AND DAMS	100 CU. YD.
207, PERIMETER FILTER FABRIC FENCE	300 LIN. FT.
207, FILTER FABRIC DITCH CHECK	100 LIN. FT.
207, INLET PROTECTION	50 LIN. FT.
207, DIKES	50 CU. YD.
207, CONSTRUCTION DITCH PROTECTION	100 SQ. YD.
207, SEDIMENT REMOVAL	50 CU. YD.
207, ROCK CHANNEL PROTECTION, TYPE C OR D WITH FILTER	50 CU. YD.
207, ROCK CHANNEL PROTECTION, TYPE C OR D WITHOUT FILTER	50 CU. YD.
659, COMMERCIAL FERTILIZER	0.02 TON
659, REPAIR SEEDING AND MULCHING	40 SQ. YD.
659, WATER	2 M. GAL.

ITEM 619 - FIELD OFFICE, TYPE A, AS PER PLAN

THE FIELD OFFICE, IN ADDITION TO THE ITEMS LISTED IN 619.02-1, SHALL BE FURNISHED WITH THE FOLLOWING ITEMS:

A BASE RADIO WITH FOUR (4) HANDHELD UNITS CAPABLE OF TRANSMITTING AND RECEIVING VOICE COMMUNICATIONS BETWEEN THE OFFICE AND ANY AREA ON THE PROJECT.

A FAX MACHINE SHALL UTILIZE PLAIN PAPER, AND SHALL HAVE A DEDICATED PHONE LINE.

A TELEPHONE LINE DEDICATED FOR THE PROJECT'S COMPUTER. (COMPUTER WILL BE FURNISHED BY THE STATE OF OHIO.)

MAINTENANCE OF TRAFFIC

LANE AND SHOULDER CLOSURES

THE CONTRACTOR CAN ONLY CLOSE LANES DURING THE PERIODS OF TIME SHOWN ON THE DISTRICT 12, PERMITTED LANE CLOSURE TIMES CHART. THE LATEST REVISION OF THIS CHART, AS OF ONE (1) WEEK PRIOR TO THE PROJECT'S SALE DATE SHALL BE UTILIZED BY THIS PROJECT. THIS CHART CAN BE FOUND ON THE ODOT'S WEBSITE AT:

<http://www.dot.state.oh.us/dist12/Workzone/laneclo.htm>

THE CONTRACTOR MAY CLOSE THE EXISTING SHOULDER DURING THE REPAIR WORK. SHORT TERM CLOSURES OF LANES AND THE SHOULDER SHALL BE COMPLETED WITH BARRELS. CLOSURE OF THE SHOULDER FOR MORE THAN ONE (1) DAY SHALL BE COMPLETED WITH PORTABLE CONCRETE BARRIER PER THE APPLICABLE STANDARD CONSTRUCTION DRAWING AND THE OMUTCD. THE COST ASSOCIATED WITH THE INSTALLATION OF EITHER BARRELS OR PORTABLE CONCRETE BARRIER SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 - MAINTAINING TRAFFIC, LUMP SUM.

MAINTENANCE OF TRAFFIC CONTROL ZONES

THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE SIGNS, DRUMS AND TEMPORARY PAVEMENT MARKINGS AT THE LOCATIONS DETAILED IN THE PLANS OR SPECIFIED IN THE STANDARD DRAWINGS. WHEN THE CONTRACTOR IS NOTIFIED OF DEFICIENCIES HE SHALL CORRECT THE DEFICIENCIES AS SOON AS POSSIBLE, PREFERABLY WITHIN 12 HOURS AND NO LATER THAN 24 HOURS. IF ANY NOTED DEFICIENCIES ARE NOT CORRECTED WITHIN 24 HOURS THE ENGINEER SHALL DEDUCT ONE DAY PAY FOR ITEM 614 MAINTAINING TRAFFIC, NOT AS A PENALTY BUT AS LIQUIDATED DAMAGES. THE CONTRACTOR SHALL BE SUBJECT TO THESE LIQUIDATED DAMAGES FOR EACH AND EVERY DAY THAT THESE PROVISIONS ARE NOT MET. ALL COSTS FOR MAINTAINING THE WORK ZONES AS DESCRIBED ABOVE SHALL BE INCLUDED UNDER ITEM 614 MAINTAINING TRAFFIC.

MAINTAINING TRAFFIC--GENERAL PROVISIONS

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, THE RESPONSIBLE LAW ENFORCEMENT AGENCY AND THE OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 12 PUBLIC INFORMATION OFFICER ((216) 581-2333, EXT. 244) NOT LESS THAN TWENTY-FOUR (24) HOURS PRIOR TO A SCHEDULED DISRUPTION OF TRAFFIC.

2. EXISTING SIGNS LOCATED WITHIN THE ROAD WORK AREAS WHICH ARE NECESSARY FOR INTERIM OR PERMANENT TRAFFIC CONTROL SHALL BE REMOVED AND RE-ERECTED IN LOCATIONS AS APPROVED BY THE ENGINEER.

3. THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NEW WARNING AND INFORMATION SIGNS NECESSARY FOR MAINTAINING TRAFFIC. THE CONTRACTOR SHALL DETERMINE WHAT SIGNS ARE NEEDED AND ADVISE THE ENGINEER TWO (2) WEEKS IN ADVANCE OF HIS DETAILED PLANS.

4. TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION, AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER. WHERE OPERATIONS ARE PERFORMED IN STAGES, THERE SHALL BE IN PLACE ONLY THOSE DEVICES THAT APPLY TO THE CONDITION PRESENT DURING STAGE IN PROGRESS. ALL SIGNS WITH MESSAGES WHICH DO NOT APPLY DURING A CERTAIN PERIOD SHALL BE COVERED OR SET ASIDE OUT OF THE VIEW OF TRAFFIC.

5. FOR ANY OPERATION NOT SPECIFICALLY MENTIONED IN THESE PLANS, THE TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD.)

6. ALL LABOR, MATERIALS, EQUIPMENT AND ANY INCIDENTALS REQUIRED TO COMPLETE THE WORK AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

CONTRACTOR'S EQUIPMENT--OPERATION AND STORAGE

VEHICLES AND EQUIPMENT SHALL ALWAYS MOVE WITH, AND NOT ACROSS OR AGAINST THE FLOW OF TRAFFIC. VEHICLES AND OTHER EQUIPMENT SHALL NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS; AND SHALL NOT ENTER AND LEAVE WORK AREAS IN A MANNER WHICH WILL BE HAZARDOUS TO, OR INTERFERE WITH THE NORMAL TRAFFIC FLOW. PERSONAL VEHICLES WILL NOT BE PERMITTED TO PARK WITHIN THE RIGHT-OF-WAY EXCEPT IN SPECIFIC AREAS DESIGNATED BY THE ENGINEER.

EQUIPMENT, VEHICLES AND MATERIALS SHALL NOT BE STORED OR PARKED WITHIN 30 FEET OF THE TRAVELED WAY UNLESS 6 FEET BEHIND PCB OR GUARDRAIL.

ALL WORK VEHICLES AND EQUIPMENT THAT ENTERS THE WORK ZONE MORE THAN ONCE A DAY MUST BE EQUIPPED WITH AT LEAST ONE FLASHING, ROTATING, OR OSCILLATING AMBER LIGHT THAT IS VISIBLE IN ALL DIRECTIONS OF TRAFFIC FOR AT LEAST ONE QUARTER OF A MILE, DAY OR NIGHT.

TRAFFIC CONTROL MATERIALS

A. SIGNS
SIGN DIMENSIONS AND SPECIFICATIONS, INCLUDING LETTER SIZES, SHALL BE AS PROVIDED IN THE OMUTCD, OR IN SIGN DESIGN DRAWINGS PROVIDED BY THE DEPARTMENT OF TRANSPORTATION. THE SIGNS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER PRIOR TO THE START OF THE PROJECT.

ALL SIGNS SHALL HAVE A REFLECTORIZED BACKGROUND OF REFLECTIVE MATERIAL AS PRESCRIBED IN THE OMUTCD AND 614.03.

B. SIGN SUPPORTS
TEMPORARY SIGN SUPPORTS SHALL BE AS SHOWN ON MT-105.10M AND MT-105.11M.

C. DRUMS
DRUMS SHALL BE IN ACCORDANCE WITH PERTINENT SECTIONS OF THE OMUTCD. ALL PERMANENT LANE CLOSURES SHALL BE DELINEATED WITH DRUMS SPACED AT 50' CENTER TO CENTER. ALL COSTS FOR INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL OF THE DRUMS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

D. LIGHTING DEVICES
FLASHERS SHALL BE 12 VOLT BATTERY OPERATED MODELS WITH 7 INCH DIAMETER YELLOW LENSES ILLUMINATED BY RAPID INTERMITTENT FLASHES OF SHORT DURATION AND SHALL BE PLACED ON ALL SIGNS AT ALL TIMES.

CONTINUOUS BURN LIGHTS SHALL BE 12 VOLT BATTERY OPERATED MODELS WITH MINIMUM 7 INCH DIAMETER YELLOW LENSES.

E. FLASHING ARROW BARRICADE
WHENEVER ANY PART OF THE TRAVELED SURFACE IS CLOSED. THE MOTORIST SHALL BE WARNED AND DIVERTED BY THE CONTRACTOR THROUGH THE USE OF ONE FLASHING ARROW BARRICADE FOR EACH LANE CLOSED. THE CONTRACTOR SHALL REFER TO STANDARD DRAWING MT-35.10M AND THE PROVISION SET FORTH IN THE OMUTCD FOR ALL INFORMATION REGARDING FURNISHING, MAINTAINING, AND USE OF FLASHING ARROW BARRICADES. IF THE FLASHING ARROW BARRICADE IS WITHIN 300' OF A RESIDENCE OR ON A SURFACE STREET, A SOLAR POWERED FLASHING ARROW BARRICADE SHALL BE USED. PAYMENT FOR THE ABOVE SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.