

MAINTENANCE OF TRAFFIC

ACCESS ABUTTING PROPERTIES DURING ROADWAY PAVING OPERATIONS

ACCESS TO ABUTTING PROPERTIES SHALL BE MAINTAINED BY USE OF EXISTING DRIVEWAYS AND THE PARKING LANE DURING ROADWAY PAVING OPERATIONS. DENIAL OF ACCESS TO THE EXISTING DRIVEWAY DURING ROADWAY PAVING OPERATIONS SHALL BE A MAXIMUM OF TWO (2) WEEKS. ACCESS TO THE EXISTING DRIVEWAY SHALL BE MAINTAINED AT ALL OTHER TIMES. THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE HOMEOWNER 48 HOURS PRIOR TO THE DENIAL OF ACCESS TO THE EXISTING DRIVEWAY. TEMPORARY ACCESS SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE CLOSING OF ANY EXISTING POINT. ACCESS SHALL BE INCORPORATED INTO THE APPROPRIATE SECTION AND PHASE OF CONSTRUCTION. ACCESS SHALL BE MAINTAINED AT ALL TIMES TO THE EXISTING DRIVEWAY FOR THE AM SHALOM JEWISH COMMUNITY CENTER AT 7599 CENTER STREET.

ACCESS ABUTTING PROPERTIES DURING DRIVEWAY PAVING OPERATIONS

ACCESS SHALL BE MAINTAINED TO ALL ABUTTING PROPERTIES AT ALL TIMES BY USE OF TEMPORARY DRIVEWAYS, PARKING LANE, & PROPOSED PERMANENT DRIVEWAYS DURING DRIVEWAY PAVING OPERATIONS. PERMANENT DRIVEWAY PAVING OPERATIONS SHALL NOT BEGIN UNTIL THE FULL WIDTH PERMANENT CONCRETE PAVEMENT OF A PARTICULAR CONSTRUCTION SECTION IS COMPLETE. ACCESS SHALL BE INCORPORATED INTO THE WORK OPERATIONS BY THE CONTRACTOR. TEMPORARY ACCESS SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE CLOSING OF ANY EXISTING ACCESS POINT.

LAW ENFORCEMENT OFFICER WITH PATROL CAR

IN ADDITION TO THE REQUIREMENTS OF 614 AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), A UNIFORMED LAW ENFORCEMENT OFFICER (AND OFFICIAL PATROL CAR WITH WORKING TOP MOUNTED EMERGENCY FLASHING LIGHTS) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC FOR THE FOLLOWING TASKS:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED.

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

LAW ENFORCEMENT OFFICERS (L.E.O.'S) SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE.

THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES WITH: THE CITY OF MENTOR POLICE DEPARTMENT, 8467 CIVIC CENTER BOULEVARD, 440-255-8856. LAW ENFORCEMENT OFFICERS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM SPECIAL-LAW ENFORCEMENT OFFICER (WITH PATROL CAR). THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

LAW ENFORCEMENT OFFICER WITH PATROL CAR 100 HOURS

THE HOURS PAID SHALL INCLUDE MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, HE MAY DO SO AT HIS OWN EXPENSE. PAYMENT FOR THE EXCESS ABOVE THE CONTRACT REQUIREMENTS WILL BE INCLUDED UNDER ITEM 614 MAINTAINING TRAFFIC.

TEMPORARY ACCESS DETAIL FOR BUSINESSES

THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS POINTS DURING CONSTRUCTION TO MAINTAIN A TWO-WAY ENTRANCE TO THE BUSINESSES AT 7553 CENTER STREET AND 8396 MENTOR AVENUE. THE CONTRACTOR SHALL REMOVE ANY EXISTING CURB, SIDEWALK, SODDING OR PAVEMENT NECESSARY TO PROVIDE ACCESS. PAYMENT FOR SIDEWALK REPLACEMENT IS INCLUDED IN THE SIDEWALK SUB-SUMMARY. PAYMENT FOR THE REMOVAL, REPLACEMENT AND RESTORATION OF ALL REMAINING ITEMS IS INCLUDED IN THE LUMP SUM COST FOR ITEM 614 - MAINTAINING TRAFFIC.

ITEM SPECIAL-TRAFFIC SIGNALS

THE EXISTING TRAFFIC SIGNAL AT S.R.84 (JOHNNYCAKE RIDGE ROAD) WILL REMAIN IN SERVICE DURING CONSTRUCTION OF THE PROJECT. ADJUSTMENTS FOR THE EXISTING SIGNAL AT THAT LOCATION ARE SHOWN IN THE PLANS. SEE DETAILS ON SHEET 30 & 31. THE COST ASSOCIATED WITH TEMPORARY POLES, MOVING SPAN WIRE & RELOCATING SIGNAL HEADS & TEMPORARY PRESENCE DETECTORS TO MAINTAIN SIGNAL FUNCTIONS SHALL BE INCLUDED IN ITEM-614 MAINTAINING TRAFFIC. SIGNAL SHUTDOWN AND/OR LANE BLOCKAGE SHALL NOT OCCUR DURING THE HOURS OF 7:00 A.M. TO 9:00 A.M. AND 4:00 P.M. TO 6:00 P.M. EXCEPT WITH THE PERMISSION OF THE ENGINEER. IF IT IS NECESSARY TO STOP ALL TRAFFIC FOR THE ERECTION OF SIGNAL SUPPORTS THE WORK SHALL BE ARRANGED SO THAT THE STOPPAGE IS LESS THAN (5) MINUTES IN ANY ONE (1) THIRTY (30) MINUTE PERIOD. NO STOPPAGE OF TRAFFIC SHALL OCCUR FOR THE ERECTION OF OVERHEAD SUPPORTS WITHOUT A POLICE OFFICER BEING AT THE SITE FOR ASSISTANCE IN CONTROLLING TRAFFIC & INFORMING MOTORISTS AS TO THE NATURE OF THE DELAY. COST FOR THE LAW ENFORCEMENT OFFICER WITH PATROL CAR SHALL BE INCLUDED IN THE COST OF THE ITEM SPECIAL-TRAFFIC SIGNALS. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO PROVIDE THE SERVICES & SCHEDULING OF THE QUALIFIED POLICE OFFICER TO DIRECT TRAFFIC DURING THE PERIOD OF THE SIGNAL SHUTDOWN. CONTRACTOR MUST REQUEST POLICE OFFICER AT LEAST TWO FULL WORKING DAYS PRIOR TO THE DAY THE OFFICER IS NEEDED. THE CONTRACTOR SHALL COORDINATE ALL SIGNAL WORK WITH MR. PAUL CUIPA, CITY OF MENTOR.

THE CONTRACTOR SHALL INSTALL A TEMPORARY PRESENCE DETECTOR TO ASSURE SEMI-ACTUATED OPERATION AT ALL TRAFFIC SIGNAL LOCATIONS WHEN THE EXISTING PRESENCE LOOPS BECOME DAMAGED DUE TO CONSTRUCTION OPERATIONS. THE LOCATION & INSTALLATION OF THE TEMPORARY PRESENCE DETECTOR SHALL BE AS PER THE MANUFACTURER'S SPECIFICATIONS & SHALL BE AS DIRECTED BY THE ENGINEER. THE TEMPORARY PRESENCE DETECTOR SHALL BE COMPATIBLE WITH THE EXISTING TRAFFIC CONTROL SYSTEM. THE TEMPORARY PRESENCE DETECTORS SHALL BE EITHER LOOPS CUT INTO THE PAVEMENT OR PREFORMED LOOPS IN HEAVY DUTY RUBBER HOSE FILLED WITH EPOXY AND TAPED TO THE ROAD.

THE CONTRACTOR SHALL IMMEDIATELY REMOVE THE EXISTING SIGNAL HEADS WHEN THE PROPOSED SIGNAL INSTALLATION IS TURNED ON. ALL TRAFFIC SIGNAL EQUIPMENT THAT IS REMOVED FROM OPERATION SHALL BE STORED ON SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE CITY ENGINEER DELIVERY OF THE EQUIPMENT TO THE CITY. A RECEIPT FOR ALL EQUIPMENT DELIVERED MUST BE OBTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST TWO (2) DAYS PRIOR TO ANY SIGNAL CHANGE OPERATION.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM SPECIAL - MAINTAINING TRAFFIC, MISC.: TRAFFIC SIGNALS LUMP SUM

ITEM 614 - BARRIER REFLECTORS ITEM 622 - PORTABLE CONCRETE BARRIER, 32"

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING, INSTALLING AND MAINTAINING PORTABLE CONCRETE BARRIERS AND BARRIER REFLECTORS ON PORTABLE CONCRETE BARRIER SECTIONS USED IN SUBGRADE UNDERCUT ZONES. THE LOCATION, COLOR, SPACING AND TYPE OF REFLECTORS SHALL BE ONE HALF OF THE SPACING SPECIFIED AND BE IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 802.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614 - BARRIER REFLECTOR, TYPE B 10 EACH
ITEM 622 - PORTABLE CONCRETE BARRIER, 32" 600 LIN. FT.

STATE ROUTE 84 DRIVE APRONS

THE FOLLOWING CONTINGENCY QUANTITIES ARE TO BE USED TO REPAIR DRIVE APRONS ALONG S.R.84 DAMAGED BY THE INSTALLATION AND USE OF TEMPORARY PAVEMENT ON THE NORTH SIDE OF THE ROADWAY. THESE QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER AND HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 202 - PAVEMENT REMOVED 155 S.Y.
ITEM 301 - BITUMINOUS AGGREGATE BASE 5 C.Y.
ITEM 304 - AGGREGATE BASE, AS PER PLAN 30 C.Y.
ITEM 404 - ASPHALT CONCRETE, AC-20 2 C.Y.
ITEM 452 - 6" PLAIN CONCRETE PAVEMENT 155 S.Y.

TEMPORARY TRAFFIC MARKINGS

THE ROADWAY SHALL NOT BE OPENED TO THE TRAFFIC UNTIL EITHER THE PERMANENT OR TEMPORARY PAVEMENT MARKINGS ARE IN PLACE. THE FOLLOWING TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER:

ITEM 614 - TEMPORARY WHITE EDGE LINES, CLASS 1, 642 PAINT 1.2 MILE
ITEM 614 - TEMPORARY CENTER LINES, CLASS 1, 642 PAINT 1.2 MILE
ITEM 614 - TEMPORARY CHANNELIZING LINES, CLASS 1, 642 PAINT 1600 LIN. FT.
ITEM 614 - TEMPORARY STOP LINES, CLASS 1, 642 PAINT 250 LIN. FT.
ITEM 614 - TEMPORARY LANE ARROW, CLASS 1, 642 PAINT 2 EACH
ITEM 614 - TEMPORARY WORD 72", CLASS 1, 642 PAINT 2 EACH

THESE QUANTITIES ARE AS CALCULATED FOR THE PERMANENT ITEM 642 MARKINGS & TABULATED ON SHEET 163 OF THE TRAFFIC CONTROL PORTION OF THE PLAN. THESE QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

SEQUENCE OF OPERATIONS

CONTRACTOR SHALL PERFORM WORK ON SECTION 1, SECTION 3 AND SECTION 4 FIRST AND THEN PERFORM WORK ON SECTION 2. CONTRACTOR MAY BEGIN WORK ON SECTION 2 WHILE WORK IS BEING PERFORMED ON OTHER SECTIONS IF AUTHORIZED BY THE ENGINEER.

CONSTRUCTION SHALL BE PERFORMED AS FOLLOWS:

- SECTION 1: STATE ROUTE (S.R.) 84 (JOHNNYCAKE RIDGE ROAD) FROM GARFIELD ROAD TO S.R.615 (CENTER STREET)
- SECTION 2: S.R.615 FROM S.R.84 TO U.S.20 (MENTOR AVE.)
- SECTION 3: S.R.84 BEFORE GARFIELD ROAD INTERSECTION
- SECTION 4: GARFIELD ROAD BEFORE S.R.84 INTERSECTION

THE MAINTENANCE OF TRAFFIC SCHEME & THE SEQUENCE OF OPERATIONS FOR EACH PHASE OF EACH CONSTRUCTION SECTION IS OUTLINED IN THE FOLLOWING PLAN NOTES & DETAILED IN THE PLANS ON SHEETS 21-29. THE SEQUENCE OF OPERATION NOTES FOR EACH PHASE OF EACH CONSTRUCTION SECTION ARE TO BE USED AS A GENERAL GUIDE TO THE BASIC WORK OPERATIONS INVOLVE IN A PARTICULAR SECTION & PHASE.

THE CONTRACTOR SHALL PERFORM HIS/HER WORK IN ACCORDANCE WITH THE SECTION NUMBER STATED ABOVE. DETOURS WILL NOT BE PERMITTED DEC. 1 THROUGH MAR. 15.

ACCESS TO SIDE STREETS & ABUTTING PROPERTIES SHALL BE MAINTAINED & PERMANENT ACCESS FACILITIES CONSTRUCTED AS DETAILED IN THE PLAN FOR THE APPROPRIATE CONSTRUCTION SECTION.

SECTION 1 - S.R.84 FROM GARFIELD ROAD TO S.R.615

1. CONSTRUCT THE TEMPORARY PAVEMENT ALONG THE NORTH SIDE OF THE EXISTING PAVEMENT AS DETAILED IN THE PLAN FROM STATION 132+87 TO STATION 160+90. CONSTRUCT THE TEMPORARY TRAFFIC SIGNAL AT THE S.R.84/S.R.615 INTERSECTION AS DETAILED ON SHEET NO. MOT 15. MAINTAIN TWO-WAY TRAFFIC ON TWO (2) 11-FOOT MINIMUM LANES ON THE SOUTH SIDE OF THE EXISTING PAVEMENT USING FLAGGERS AS REQUIRED TO CONSTRUCT THE TEMPORARY PAVEMENT.
2. MAINTAIN 2-WAY TRAFFIC ON TWO (2) 11-FOOT MINIMUM LANES ON THE NORTH SIDE OF THE ROADWAY USING TEMPORARY PAVEMENT MARKINGS ON THE EXISTING PAVEMENT & TEMPORARY PAVEMENT.
3. CONSTRUCT THE PROPOSED 60 & 54-INCH CULVERT ALONG S.R.84 FROM STATION 133+10 TO THE MANHOLE IN THE SOUTHEAST CORNER OF THE S.R.84/S.R.615 INTERSECTION AT STA. 162+25 (S.R.84). MAINTAIN TRAFFIC ON S.R.615 BY USING FLAGMEN AS REQUIRED.
4. REPAIR THE PAVEMENT IN THE PIPE TRENCH, AS PER THE PAVEMENT REPAIR DETAIL SHOWN ON SHEET RD1. RESUME NORMAL TRAFFIC PATTERNS ON S.R.84. REPAIR DRIVE APRONS AND THE TREELAWN ON THE NORTH SIDE OF S.R.84. MAINTAIN TWO-WAY TRAFFIC ON TWO (2) AND THREE (3) MINIMUM LANES ON THE SOUTH SIDE OF THE EXISTING PAVEMENT USING FLAGGERS AS REQUIRED.

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