

# MAINTENANCE OF TRAFFIC

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BY: *gpa*  
DATE: *4/13/88*  
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## NOTIFICATION

THE CONTRACTOR SHALL CONDUCT HIS OPERATION AS TO CONSTRUCT THE PROPOSED IMPROVEMENT WITH A MINIMUM OF HAZARD, DELAY AND INCONVENIENCE TO THE MOTORISTS USING THE HIGHWAY AFFECTED BY THE WORK BEING DONE UNDER THIS CONTRACT. THROUGH TRAFFIC Lanes OF 11 FEET MINIMUM EFFECTIVE WIDTH SHALL BE MAINTAINED AT ALL TIMES.

THE CITY OF MENTOR POLICE, FIRE AND PUBLIC WORKS DEPARTMENTS AND THE MENTOR EXEMPTED VILLAGE BOARD OF EDUCATION SHALL BE NOTIFIED AT LEAST TWO (2) WEEKS PRIOR TO THE ACTUAL START OF CONSTRUCTION BY THE CONTRACTOR.

CITY OF MENTOR POLICE DEPARTMENT  
RICHARD A. AMIOTT, CHIEF (440)974-5760

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## ITEM 614 - MAINTAINING TRAFFIC

ONE LANE OF PAVEMENT IN EACH DIRECTION SHALL BE KEPT OPEN AT ALL TIMES TO MAINTAIN TRAFFIC EXCEPT AS PROVIDED HEREIN. LOCAL TRAFFIC ACCESS SHALL BE PROVIDED AT ALL TIMES.

THE CONTRACTOR SHALL KEEP HIS PAVEMENT WIDENING WORK TO ONE SIDE OF THE ROADWAY UNTIL COMPLETION OF THAT SIDE, OR AS DIRECTED BY THE ENGINEER.

FOR ALL OPERATIONS WHICH REQUIRE A LANE CLOSURE, TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-97.10M OR MT-97.12M FOR PAVING OPERATIONS.

THE CONTRACTOR SHALL SCHEDULE FULL DEPTH PAVEMENT REMOVAL AND REPLACEMENT OPERATIONS SO THAT THE NEW PAVEMENT PATCH CAN BE OPENED TO TRAFFIC AT THE END OF EACH WORKING DAY.

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

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

614, BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC	1800 CU.YD.
410, TRAFFIC COMPACTED SURFACE, TYPE A OR B	1000 CU.YD.

## SYSTEM FOR MAINTAINING TRAFFIC

WHENEVER ANY TRAVELED SURFACE IS BEING WORKED ON OR OTHERWISE NOT SUITABLE FOR SAFE AND CONVENIENT USE BY VEHICLES, TRAFFIC CONTROL DEVICES SUFFICIENT TO PROTECT SUCH AREAS AND TO ASSURE THE SAFE PASSAGE FOR VEHICULAR TRAFFIC SHALL BE INSTALLED AND MAINTAINED. SUCH TRAFFIC CONTROL DEVICES, AND THE MANNER IN WHICH THEY ARE USED, SHALL BE CONSISTENT WITH THESE PLANS AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, HEREINAFTER REFERRED TO AS THE MANUAL. THE TRAFFIC CONTROL DEVICE SYSTEM CONTAINED HEREIN SHALL CONSTITUTE THE MINIMUM PROVISIONS FOR TRAFFIC CONTROL FOR EACH PARTICULAR SITUATION. WHENEVER THE ENGINEER DEEMS IT NECESSARY, HE MAY DIRECT THAT ADDITIONAL OR ALTERNATIVE DEVICES BE USED. ALSO THE CONTRACTOR SHALL PROVIDE SUFFICIENT ADDITIONAL BARRICADES, ETC. TO PROTECT THE FRESH CONCRETE DURING THE CURING PERIOD FROM ANY VEHICLES WHICH DRIVE AROUND OR THROUGH THE TRAFFIC CONTROL.

TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION, AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH 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 PHASES, THERE SHALL BE IN PLACE ONLY THOSE DEVICES THAT APPLY TO THE CONDITION PRESENT DURING THE PHASE 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.

IN ADDITION TO THE REQUIREMENTS OF 614.05 OF THE CMS, 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.

NO LANES SHALL BE CLOSED BETWEEN NOVEMBER 15 AND APRIL 15.

## TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

## OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 3 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED OR PROTECTED BY ANOTHER APPROVED METHOD AS DIRECTED BY THE ENGINEER.

## TEMPORARY TRAFFIC MARKINGS

THE ROADWAY SHALL NOT BE OPENED TO 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 EDGE LINE, CLASS I, 642 PAINT 10.92 MILES

ALL 642 PAINT ITEMS TO BE USED ON ASPHALT PAVEMENT.

## DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER AND CALCIUM CHLORIDE FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616 - WATER 100 M. GAL.  
ITEM 616 - CALCIUM CHLORIDE 10 TONS

## GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL NEW GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON THE SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE ENGINEER IS ASSURED OF COMPLIANCE.

## PROVIDING CONTINUOUS ACCESS TO RESIDENCES AND BUSINESSES

TWO WEEKS PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A COMPLETE SCHEDULE OF CONSTRUCTION OPERATIONS ALONG WITH PLANS SHOWING TRAFFIC CONTROL FOR EACH PHASE OF CONSTRUCTION. INCLUDED SHALL BE DETAILS OF THE PROPOSED METHODS TO MAINTAIN SAFE AND CONTINUOUS ACCESS FOR PASSENGER VEHICLES, TRUCKS AND SAFETY EQUIPMENT TO ALL ADJOINING PROPERTIES AND INTERSECTING STREETS. THESE PLANS SHALL INCLUDE ALL TEMPORARY MATERIALS NECESSARY TO PROVIDE SAFE, ADEQUATE DRIVE SURFACES TO ALL ADJOINING PROPERTIES. THE COST FOR ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO PROVIDE CONTINUOUS ACCESS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC. PLANS MUST BE SUBMITTED TO THE ENGINEER AND APPROVED PRIOR TO COMMENCING ANY WORK.

SHOULD THE ENGINEER, AT ANY TIME PRIOR TO OR DURING CONSTRUCTION, DEEM ANY PART OF THE CONTRACTOR'S PLANS FOR SAFE AND CONTINUOUS ACCESS TO RESIDENCES AND BUSINESSES INADEQUATE, ADDITIONAL MATERIALS, CLOSURES AND/OR DIVERSIONS SHALL BE REQUIRED AT NO ADDITIONAL COST TO THE STATE.

## NOTIFICATION OF PROPERTY OWNERS

THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING WORK ON OR AFFECTING ACCESS TO THEIR PROPERTY.

## MAILBOX REMOVAL AND REPLACEMENT

THE CONTRACTOR SHALL REMOVE AND RE-ERECT EXISTING MAILBOXES AS PER 107.12. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 - LINEAR GRADING, AS PER PLAN.

WHEN CONSTRUCTION OPERATIONS INTERFERE WITH THE U.S. POSTAL DEPARTMENT'S DELIVERY OF THE MAIL, THE CONTRACTOR IN ORDER TO INSURE UNINTERRUPTED MAIL DELIVERY SHALL PROVIDE, ERECT AND PROPERLY MARK TEMPORARY MAIL BOXES IN A TEMPORARY LOCATION IN A MANNER SATISFACTORY TO AND AS DIRECTED BY THE ENGINEER. THE COST FOR ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO INSURE UNINTERRUPTED MAIL DELIVERY SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC.

## CONSTRUCTION PHASING

A 90 CALENDAR DAY TIME LIMIT SHALL BE ENFORCED ON THE HENDRICKS ROAD DETOUR. ROAD USER COSTS EQUAL TO LIQUIDATED DAMAGES SHALL BE ENFORCED.

NO WORK OR LANE RESTRICTIONS SHALL TAKE PLACE ON HOPKINS ROAD WHEN THE HENDRICKS ROAD DETOUR IS IN EFFECT.

## PROGRESS SCHEDULE (CRITICAL PATH METHOD)

THE PRE-CONSTRUCTION MEETING SHALL BE HELD NO LATER THAN 30 CALENDAR DAYS AFTER THE CONTRACT IS SIGNED. THE CONTRACTOR SHALL SUBMIT THEIR PROPOSED CPM SCHEDULE AT THE PRE-CONSTRUCTION MEETING FOR REVIEW BY THE CONSTRUCTION ENGINEER. WRITTEN COMMENTS REGARDING THE CPM SCHEDULE WILL BE FORWARDED TO THE CONTRACTOR BY THE CONSTRUCTION ENGINEER WITHIN 14 CALENDAR DAYS AFTER THE PRE-CONSTRUCTION MEETING.

A FINAL CPM SCHEDULE SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER WITHIN 30 CALENDAR DAYS FROM THE DATE OF THE PRE-CONSTRUCTION MEETING BUT AT LEAST SEVEN (7) CALENDAR DAYS PRIOR TO THE DATE DESIGNATED AS THE STARTING DATE IN THE CPM SCHEDULE. THE SCHEDULE SHALL BE SIGNED AND DATED BY THE PRIME CONTRACTOR AND NAMED SUBCONTRACTORS.

## ADJUSTMENTS IN CONTRACT TIME

TIME EXTENSIONS WILL ONLY BE CONSIDERED WHEN CONTROLLING ITEMS OF WORK ON THE APPROVED CPM SCHEDULE ARE AFFECTED DUE TO NO FAULT OF THE CONTRACTOR.

WHEN ADDITIONAL WORK IS REQUIRED, TIME EXTENSIONS WILL ONLY BE GRANTED FOR CONTROLLING ITEMS ON THE CPM SCHEDULE.

## PROJECT PROGRESS MEETINGS

PROGRESS MEETINGS WILL BE HELD EVERY FOUR (4) WEEKS AT THE PROJECT OFFICE, OR OTHER LOCATION DESIGNATED BY THE CONSTRUCTION ENGINEER, AND ATTENDED BY O.D.O.T. AND CONTRACTOR DECISION-MAKING PERSONNEL.

THE PURPOSE OF THESE MEETINGS WILL BE TO DISCUSS CRITICAL OPERATIONS AND POTENTIAL PROBLEMS. THE CONTRACTOR WILL CONFIRM THE NUMBER AND DURATION OF WORK SHIFTS, NUMBER OF WORK CREWS, AND SPECIFIC PORTIONS OF THE WORK TO BE PERFORMED DURING THE FOLLOWING WEEKS.

THESE MEETINGS CAN ONLY BE WAIVED BY THE CONSTRUCTION ENGINEER.