

MAINTENANCE OF TRAFFIC

CALC BY <u>MJN</u> DATE <u>6/19/92</u>	LAK - 283 - 3.83 PLAN 21	OHIO	9 79
CHKD BY <u>TJH</u> DATE <u>6/20/92</u>		FHWA REGION 5	

ITEM 614 MAINTAINING TRAFFIC

THE MAINTENANCE OF TRAFFIC SHALL BE GOVERNED BY THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" FOR STREETS AND HIGHWAYS, HEREINAFTER REFERRED TO AS THE MANUAL OR THE OMUTCD, AND AS SUPPLEMENTED BY PERTINENT ITEMS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE FOLLOWING REQUIREMENTS:

ALL SIGNS, DRUMS, BARRELS, AND LANE MARKINGS FOR TRAFFIC CONTROL DURING CONSTRUCTION IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION.

THE CONTRACTOR WILL BE REQUIRED TO PROVIDE, ERECT, MAINTAIN (IN PROPER POSITION, CLEAN, LEGIBLE, AND IN GOOD WORKING CONDITION) AND REMOVE ALL LIGHTS, SIGNS, SIGN SUPPORTS, BARRICADES, DRUMS, AND ALL OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC.

THE COST OF PROVIDING, INSTALLING, MAINTAINING AND REMOVING ALL TRAFFIC CONTROL DEVICES REQUIRED TO MAINTAIN TRAFFIC DURING CONSTRUCTION INCLUDING LIGHTS, SIGNS, SIGN SUPPORTS, DRUMS AND BARRICADES SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

THE CONTRACTOR SHALL NOTIFY THE CITY OF EASTLAKE POLICE, FIRE AND SERVICE DEPARTMENTS AT LEAST 72 HOURS PRIOR TO ANY LANE RESTRICTIONS, DIVERSIONS, CLOSURE OF ANY PORTIONS OF A STREET, ETC.

DURING CONSTRUCTION, INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL PROPERTIES ADJACENT TO S.R. 283 (LAKESHORE BOULEVARD).

THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES IN ACCORDANCE WITH THE REQUIREMENTS OF ITEM 614 MAINTENANCE OF TRAFFIC. TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND THE COMPLETED PAVEMENT. IN ADDITION TO THE REQUIREMENTS OF ITEM 614, THE FOLLOWING SPECIFIC PROVISIONS SHALL APPLY:

A. PERFORMANCE. IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS AND THE PROVISIONS OF THE OMUTCD AND THE FAILURE RESULTS IN A CONDITIONS AT THE WORK SITE WHICH IS UNSAFE FOR TRAFFIC, THE ENGINEER SHALL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

B. LANE CLOSURE. DURING CURB, DRAINAGE, WIDENING, AND PAVING OPERATIONS, AND DURING THE PLACEMENT OF LOOPS, IT MAY BE NECESSARY TO CLOSE A LANE OF TRAFFIC, SUBJECT TO THE APPROVAL OF THE ENGINEER. THE MINIMUM WIDTH OF ONE LANE, DURING CONSTRUCTION WILL BE 12 FEET. NO LANE CLOSURE SHALL BE IMPLEMENTED DURING THE HOURS OF 6:00 A.M. TO 9:00 A.M. OR 3:00 P.M. TO 6:00 P.M. WHEN IT IS NECESSARY TO CLOSE ONE LANE OF TRAFFIC ADJACENT TO THE WORK, THE CLOSURE SHALL BE ACCOMPLISHED BY THE APPLICATIONS OF TRAFFIC CONTROL DEVICES AS SHOWN ON STANDARD CONSTRUCTION DRAWING MT-97.10 FOR STATIONARY OPERATIONS AND 209711FED (SHEET 79) FOR PAVING OPERATIONS. ALL ADVANCE WARNING SIGNS FOR TRAFFIC RESTRICTIONS SHALL BE ERECTED BEFORE ANY SUCH RESTRICTIONS ARE PUT INTO EFFECT. ALL SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHEN THEY ARE NOT APPLICABLE, AS DETERMINED BY THE ENGINEER. FOR SHORT DURATIONS (10 MINUTES OR LESS), CLOSURE MAY BE PERMITTED UNDER THE DIRECTION OF FLAGGER(S).

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED LIQUIDATED DAMAGES IN ACCORDANCE WITH 108.07.

WHEN IT IS NOT NECESSARY TO CLOSE A LANE, TWO WAY TRAFFIC SHALL BE MAINTAINED IN TWO 11-FOOT MINIMUM LANES OF PAVEMENT. THE LENGTH AND TIME OF MAINTAINING TRAFFIC ON LANES MORE NARROW THAN THE EXISTING WIDTH SHOULD BE KEPT TO A MINIMUM. INGRESS AND EGRESS OF ALL INTERSECTING STREETS AND DRIVEWAYS IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.

C. TRENCH FOR WIDENING. TRENCH EXCAVATION FOR THE BIKEWAY PAVEMENTS 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 BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND THE EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL BY THE ENGINEER.

D. OVERNIGHT TRENCH CLOSING. THE WIDENING FOR THE BIKEWAY PAVEMENT WILL BE COMPLETED TO THE ELEVATION OF THE EXISTING ADJACENT PAVEMENT EDGE BY THE END OF EACH WORK DAY. EXCEPT FOR A SHORT LENGTH OF WORK SECTION (25 FEET OR LESS) AT THE END OF THE TRENCH, NO TRENCH WILL BE LEFT OPEN OVERNIGHT. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING WILL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

E. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC:

ITEM	DESCRIPTION	QUANTITY
404	BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC	50 CU.YD.
410	TRAFFIC COMPACTED SURFACE, TYPE A OR B	350 CU.YD.
614	TEMPORARY CENTERLINE, CLASS II	9.2 MI.
614	TEMPORARY CHANNELIZING LINE, CLASS II	916 LIN.FT.
616	WATER	7 MGAL
616	CALCIUM CHLORIDE	7 TON

THESE QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

SEPARATE PAYMENT SHALL BE MADE FOR THE ITEMS NOTED ABOVE. ALL OTHER WORK REQUIRED FOR TRAFFIC MAINTENANCE SHALL BE INCLUDED WITH PAYMENT FOR ITEM 614 MAINTAINING TRAFFIC.

INTERSECTING STREETS

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS AND OTHER TRAFFIC CONTROL DEVICES AS PROVIDED IN ITEM 614 MAINTAINING TRAFFIC SO AS TO AVOID DAMAGE AND OR INJURY TO VEHICLES AND PERSONS USING THE INTERSECTING STREETS DURING CONSTRUCTION.

ALL APPROACHING TRAFFIC ON THE INTERSECTING STREETS SHALL BE NOTIFIED OF CONSTRUCTION AHEAD BY THE INSTALLATION OF THE APPROPRIATE SIGNS (OW-128).

PAYMENT FOR LABOR, EQUIPMENT, AND MATERIALS REQUIRED FOR THE MAINTENANCE OF TRAFFIC ON INTERSECTING STREETS SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC.

PAVEMENT MARKING AND SIGN REMOVAL

EXISTING VISIBLE PAVEMENT MARKINGS AND SIGNS IN CONFLICT WITH THE MARKINGS ON THE PLANS SHALL BE REMOVED IN COMPLIANCE WITH PARAGRAPH 641.10 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. PAVEMENT MARKINGS SHALL NOT BE GROUND OFF WITH A GRINDER.