

MAINTENANCE OF TRAFFIC NOTES

CALC. APG BY: DATE: 5/94	OHIO
CHKD. GA BY: DATE: 5/94	F.H.W.A. REGION 5

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LAKE COUNTY
LAK-90-17.42/25.15/27.76

CONTINGENCY QUANTITIES

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE MAINTENANCE OF TRAFFIC SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR MAINTAINING TRAFFIC. (SEE SHEET 12 FOR QUANTITIES)

ITEM 614 . BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC
ITEM 614, TEMPORARY CENTERLINE, CLASS I, 740.06 TYPE II

METHOD OF PAYMENT

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

FAILURE TO COMPLY

IF THERE IS ANY FAILURE TO COMPLY WITH PROVISIONS FOR TRAFFIC CONTROL SET OUT IN THESE PLANS AND NOTES, OR WITH THE PROVISIONS OF THE OMUTCD, THE HIGHWAY IN THE VICINITY OF THE WORK AREA SHALL NOT BE CONSIDERED TO BE IN A CONDITION FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE HIGHWAY IN THE VICINITY OF THE WORK AREA IN A CONDITION FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF THIS CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

ITEM 614- 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 ON I-90 DURING THE BRIDGE DECK REMOVAL AND REPLACEMENT.

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 BY CONTACTING:

THE OHIO HIGHWAY PATROL
660 EAST MAIN STREET
COLUMBUS, OHIO 43266-0562
TELEPHONE: 614-466-2300

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 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR). THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614 . LAW ENFORCEMENT OFFICER WITH PATROL CAR 80 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.

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 50 M-GAL
ITEM 616, CALCIUM CHLORIDE 5 TONS

ITEM 614 - BARRIER REFLECTORS AND OBJECT MARKERS

REFLECTORS, OBJECT MARKERS, AND THEIR MOUNTING SHALL CONFORM TO STANDARD DRAWING MT96.11M .

DELINEATION OF PORTABLE CONCRETE BARRIERS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE MAINTENANCE OF TRAFFIC SUMMARY TO BE USED TO DELINEATE PORTABLE CONCRETE BARRIERS. (SEE SHEET 12 FOR QUANTITIES)

ITEM 614, BARRIER REFLECTORS, TYPE B2
ITEM 614, OBJECT MARKER

ITEM 615 - TEMPORARY PAVEMENT, CLASS B, AS PER PLAN

THE TEMPORARY CLASS B PAVEMENT SHALL BE USED AS DETAILED ON THE TRAFFIC MAINTENANCE PLANS FOR PHASES I AND II. SEE THE QUANTITIES SHOWN ON SHEET 12 FOR LAK-90-14.42 (S.R. 86) AND FOR LAK-90-25.15 (RIVER ROAD).

THE TEMPORARY PAVEMENT, AS PER PLAN, SHALL REMAIN IN PLACE. THE UNIT BID PRICE SHALL INCLUDE ALL COSTS FOR SAWCUTTING EDGE OF EXISTING PAVEMENT, EXCAVATION AND REMOVAL OF THE EXISTING SHOULDER, AND THE REPLACEMENT WITH TEMPORARY PAVEMENT, CLASS B, AS PER PLAN.

ITEM 622 - PORTABLE CONCRETE BARRIER

IT IS ANTICIPATED THAT THE SAME BARRIER WILL BE USED IN VARIOUS PHASES OF CONSTRUCTION. MOVEMENT OF THE CONCRETE BARRIER BETWEEN PHASES SHALL BE ACCOMPLISHED IN ONE WORKING DAY. FLAGGERS SHALL BE UTILIZED FOR PROTECTION OF VEHICULAR TRAFFIC UNTIL MOVEMENT OF THE BARRIER IS COMPLETE.

PORTABLE CONCRETE BARRIER SECTIONS (10 FT. LONG) SHALL BE SUPPLIED BY THE CONTRACTOR. THE BARRIER SECTIONS SHALL BE BOLTED TOGETHER WITH STEEL CONNECTIONS AS PER STANDARD CONSTRUCTION DRAWING RM-4.2M

ALL COSTS INVOLVED IN FURNISHING, INSTALLING, MAINTAINING AND REMOVING CONCRETE BARRIER WILL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 622, PORTABLE CONCRETE BARRIER.

ITEM 622 - PORTABLE CONCRETE BARRIER, 32"

AN ESTIMATED QUANTITY, PROVIDED ON SHT. 12, OF ITEM 622 PORTABLE CONCRETE BARRIER, 32", SHALL BE FURNISHED, INSTALLED, MAINTAINED AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. THE PORTABLE CONCRETE BARRIER SHALL BE USED TO CLOSE ONE LANE OF ROADWAY DURING BRIDGE OPERATIONS. SEE SHEET 13 FOR ADDITIONAL DETAILS.

ITEM 622 - PORTABLE CONCRETE BARRIER, 32", BRIDGE MOUNTED, AS PER PLAN

AN ESTIMATED QUANTITY, PROVIDED ON SHEET 12, OF PORTABLE CONCRETE BARRIER, 32", BRIDGE MOUNTED, AS PER PLAN SHALL BE FURNISHED, INSTALLED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR ON THE BRIDGE DECK AND SOME PORTIONS OF THE APPROACHES AS SHOWN ON SHEETS 14 & 16. THE BRIDGE MOUNTED BARRIER SHALL BE ANCHORED TO THE BRIDGE DECK WITH A MINIMUM OF TWO ANCHORS PER PORTABLE CONCRETE BARRIER SEGMENT INSTALLED AS PER STANDARD CONSTRUCTION DRAWING PCB-91. THE MC-9A BARRIER WITHOUT MODIFIED JOINT CONNECTIONS SHALL NOT BE PERMITTED FOR USE AS BRIDGE MOUNTED BARRIERS.

COVERING OF SIGNS

WHERE THE PLANS CALL FOR A PERMANENT SIGN TO BE COVERED, THE CONTRACTOR SHALL DO SO IN SUCH A MANNER AS TO AVOID DAMAGING THE PERMANENT SIGN WHEN THE COVER IS REMOVED. THE COVER SHALL BE TOTALLY OPAQUE. THE USE OF ADHESIVE TAPE APPLIED DIRECTLY TO A SIGN FACE IS STRICTLY PROHIBITED.

TRAFFIC CONTROL MATERIALS

A. SIGNS

SIGN DIMENSIONS AND SPECIFICATIONS, INCLUDING LETTER SIZES, SHALL BE AS PROVIDED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR IN SIGN DESIGN DRAWINGS PROVIDED BY THE DEPARTMENT OF TRANSPORTATION. THE SIGNS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER PRIOR TO THE START OF THE PROJECT.

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 OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL PERMANENT LANE CLOSURES SHALL BE DELINEATED WITH DRUMS SPACED AT 50 FT. CENTER TO CENTER. ALL COSTS FOR INSTALLING, MAINTAINING, AND SUBSEQUENT REMOVAL OF SAID DRUMS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

D. SMALL BARRICADES

TYPE II BARRICADES MAY BE USED INSTEAD OF DRUMS TO CLOSE LANES WHERE REQUIRED FOR RESURFACING. THESE SHALL BE 36" HIGH AND 12" WIDE. NEAR THE TOP OF THE BARRICADE THERE SHALL BE A PANEL WITH ALTERNATE ORANGE AND REFLECTORIZED WHITE 6" WIDE STRIPS. THIS PANEL SHALL BE AT LEAST 12" WIDE AND 24" HIGH. THE BARRICADE SHALL BE OF SUFFICIENT STABILITY SO THAT WIND OR TRAFFIC AIR TURBULENCE SHALL NOT UPSET THEM. BARRICADES SHALL BE IN ACCORDANCE WITH PERTINENT SECTIONS OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

E. LIGHTING DEVICES

FLASHERS SHALL BE 12 VOLT BATTERY MODELS WITH 7" 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" DIAMETER YELLOW LENSES.

PLAN OF OPERATIONS AND PROTECTION

THE CONTRACTOR SHALL SUBMIT TO THE DIRECTOR A COMPLETE SCHEDULE OF CONSTRUCTION OPERATIONS ALONG WITH PLANS CONTAINING HIS PROPOSED METHODS OF PREVENTING DEBRIS FROM FALLING ON THE TRAFFIC BELOW. THESE PLANS MUST BE SUBMITTED AND APPROVED PRIOR TO COMMENCING THE WORK. LANE CLOSURES AND TIMES OF IMPLEMENTATION SHALL BE APPROVED BY THE ENGINEER. NO REMOVAL WORK SHALL BE STARTED WITHIN PRIOR APPROVAL OF THE ENGINEER. COSTS FOR PROTECTION OF THE PUBLIC SHALL BE INCLUDED WITH THE REMOVAL ITEM FOR PAYMENT.

LIQUIDATED DAMAGES/INTERIM COMPLETION REQUIREMENTS (SEE PROPOSAL)

THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS AND INCREASE HIS WORK FORCE AS NECESSARY SO AS TO COMPLETE ALL ITEMS OF WORK WHICH REQUIRE THE PERMANENT CLOSING OF THE BRIDGE ROADWAY TO TRAFFIC WITHIN THE TIME RESTRICTIONS AS STATED IN THE PROPOSAL.

LIQUIDATED DAMAGES AS SET FORTH IN THE PROPOSAL SHALL BE ASSESSED THE CONTRACTOR FOR EACH CALENDAR DAY THE BRIDGE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE INTERIM COMPLETION DATE.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS OPERATION WITH THE CONTRACTORS ON OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THIS CONTRACT. NO WAIVER OF ANY PROVISIONS OF 105.07 OF THE CONSTRUCTION AND MATERIAL SPECIFICATION IS INTENDED.

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