

I:\PROJECTS\13486\Addendum\Alternate bid\MOT gen notes AAI\13486M002.dgn 25-NOV-2008 9:20AM cwlls1

ITEM 614, REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER SQUARE FOOT FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 1,500 SQUARE FEET HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

AN ESTIMATED QUANTITY OF 300 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, MAINTAINING TRAFFIC (ESTIMATED QUANTITIES)

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

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B	480 CU. YD.
ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	120 CU. YD.
ITEM 616, WATER	4 M. GAL.

WORKSITE TRAFFIC SUPERVISOR/ FREEWAY SERVICE PATROL

SUBJECT TO APPROVAL OF THE ENGINEER, THE CONTRACTOR SHALL EMPLOY AND IDENTIFY (SOMEONE OTHER THAN THE SUPERINTENDENT) A CERTIFIED WORKSITE TRAFFIC SUPERVISOR (WTS) BEFORE STARTING WORK IN THE FIELD.

THE WTS MAY BE CERTIFIED FROM ONE OF THE FOLLOWING ORGANIZATIONS:

1. AMERICAN TRAFFIC SAFETY SERVICE ASSOCIATION (ATSSA), PHONE NUMBER 1-800-272-8772, CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS).
2. NATIONAL HIGHWAY INSTITUTE, DESIGN AND OPERATION OF WORK ZONE TRAFFIC CONTROL, PHONE NUMBER 1-703-235-0528.
3. THE OHIO CONTRACTORS ASSOCIATION, TRAFFIC CONTROL SUPERVISOR (OCA/TCS) WORK ZONE CLASS, ONLY IF TAKEN AFTER MAY 5, 2004, PHONE NUMBER 1-614-599-7915.
4. OHIO LABORERS' TRAINING, TRAFFIC CONTROL SUPERVISORS CLASS, PHONE NUMBER 1-740-599-7915.

WORKSITE TRAFFIC SUPERVISOR/ FREEWAY SERVICE PATROL

A COPY OF EACH WTSS CERTIFICATION AND 24-HOUR CONTACT INFORMATION SHALL BE PROVIDED TO THE ENGINEER AT THE PRECONSTRUCTION CONFERENCE. IF THE DESIGNATED WTS WILL NOT BE AVAILABLE FULL TIME (24/7) THE CONTRACTOR MAY DESIGNATE AN ALTERNATE WTS TO BE AVAILABLE WHEN THE PRIMARY IS OFF DUTY. EACH WTS SHALL HAVE A CURRENT WTS CERTIFICATION (WITH AN EXPIRATION DATE NO MORE THAN 5 YEARS FROM THE DATE OF ISSUE) FROM ANY OF THE APPROVED ORGANIZATIONS.

THE WTS POSITION HAS THE RESPONSIBILITY OF MONITORING AND CORRECTING TRAFFIC CONTROL DEFICIENCIES FOR THE ENTIRE WORK ZONE. THE DUTIES OF THE WTS ARE AS FOLLOWS:

1. BE AVAILABLE ON A 24-HOUR PER DAY BASIS, AND BE ABLE TO BE ON SITE FOR ALL EMERGENCY TRAFFIC CONTROL NEEDS WITHIN ONE HOUR OF NOTIFICATION BY POLICE OR PROJECT STAFF AND BE PREPARED TO EFFECT CORRECTIVE MEASURES IMMEDIATELY ON EXISTING WORK ZONE TRAFFIC CONTROL DEVICES.
2. ATTEND PRECONSTRUCTION MEETING AND ALL PROJECT MEETINGS WHERE TRAFFIC CONTROL MANAGEMENT IS DISCUSSED.
3. BE AVAILABLE FOR MEETINGS OR DISCUSSIONS WITH THE ENGINEER UPON REQUEST OR WITHIN 36 HOURS.
4. BE AWARE OF, AND COORDINATE IF NECESSARY, ALL TRAFFIC CONTROL OPERATIONS, INCLUDING THOSE OF SUBCONTRACTORS AND SUPPLIERS.
5. COORDINATE PROJECT ACTIVITIES WITH ALL LAW ENFORCEMENT OFFICERS (LEOS). A WTS SHALL ALSO BE THE MAIN CONTACT PERSON WITH THE LEOS WHILE THEY ARE ON THE PROJECT.
6. COORDINATE MEETINGS WITH ODOT PERSONNEL, LEOS AND OTHER APPLICABLE ENTITIES BEFORE EACH PLAN PHASE SWITCH TO DISCUSS WORK ZONE TRAFFIC CONTROL.
7. ENSURE COMPLIANCE WITH THE CONTRACT DOCUMENTS FOR SIGNS, BARRICADES, TEMPORARY CONCRETE BARRIER, PAVEMENT MARKINGS, PORTABLE MESSAGE SIGNS, AND OTHER TRAFFIC CONTROL DEVICES ON A DAILY BASIS; AND FACILITATE ANY CORRECTIVE ACTION NECESSARY.
8. NOTIFY THE CONTRACTOR OF THE NEED FOR CLEANING AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES, INCLUDING THE COVERING AND REMOVAL OF INAPPLICABLE SIGNS.
9. INSPECT, EVALUATE, PROPOSE NECESSARY MODIFICATIONS TO, AND DOCUMENT THE EFFECTIVENESS OF, THE TRAFFIC CONTROL DEVICES AND/OR TRAFFIC OPERATIONS ON A DAILY BASIS (7 DAYS A WEEK). IN ADDITION, A WEEKLY NIGHT INSPECTION OF THE WORK ZONE SETUP FOR DAYTIME WORK OPERATIONS; AND ONE DAYTIME INSPECTION PER WEEK FOR NIGHTTIME PROJECTS. THIS SHALL INCLUDE (BUT NOT BE LIMITED TO) DOCUMENTATION ON THE FOLLOWING PROJECT EVENTS:
 - A. INITIAL TRAFFIC CONTROL SETUP (DAY AND NIGHT REVIEW).
 - B. DAILY TRAFFIC CONTROL SETUP AND REMOVAL.
 - C. WHEN CONSTRUCTION STAGING CAUSES A CHANGE IN THE TRAFFIC CONTROL SETUP.
 - D. CRASH OCCURRENCES WITHIN THE CONSTRUCTION AREA.
 - E. REMOVAL OF TRAFFIC CONTROL DEVICES AT THE END OF A PHASE OR PROJECT.
 - F. ALL OTHER EMERGENCY TRAFFIC CONTROL NEEDS.

10. COMPLETE THE DEPARTMENT APPROVED LONG TERM INSPECTION FORM (CA-D-8) AFTER EACH INSPECTION AS REQUIRED IN # 9 AND SUBMIT IT TO THE ENGINEER THE FOLLOWING WORK DAY. THESE REPORTS SHALL INCLUDE A CHECKLIST OF ALL TRAFFIC CONTROL MAINTENANCE ITEMS TO BE REVIEWED. A COPY OF THE FORM WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING. ANY DEFICIENCIES OBSERVED SHALL BE NOTED, ALONG WITH RECOMMENDED CORRECTIVE ACTIONS AND THE DATES BY WHICH SUCH CORRECTIONS WERE, OR WILL BE, COMPLETED. A COPY OF THIS DOCUMENT CAN BE FOUND IN THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION INSPECTION FORMS MANUAL DATED 10/15/06 OR CURRENT REVISION.

11. VERIFY THAT ALL FLAGGING OPERATIONS ARE BEING CONDUCTED PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

12. HAVE COPIES OF THE ODOT TEMPORARY TRAFFIC CONTROL MANUAL AND APPLICABLE STANDARDS AND SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS AVAILABLE AT ALL TIMES ON THE PROJECT.

THE DEPARTMENT WILL NOT PAY THE UNIT PRICE BID FOR THE WTS FOR ANY DAY ON WHICH THE CONTRACTOR FAILS TO PERFORM THE DUTIES SET FORTH ABOVE. SHOULD THE CONTRACTOR'S FAILURE TO PERFORM ANY OF THE DUTIES DESCRIBED ABOVE RESULT IN A MAINTENANCE OF TRAFFIC SAFETY ISSUE, THE DEPARTMENT WILL DEDUCT THE PRORATED DAILY AMOUNT FOR ITEM 614 MAINTENANCE OF TRAFFIC FROM THE CONTRACTOR'S NEXT SCHEDULED ESTIMATE.

IN ADDITION TO THE DUTIES ABOVE THE WTS SHALL FUNCTION AS A FREEWAY SERVICE PATROL FOR THE WORK ZONE. THE PURPOSE OF THE FREEWAY SERVICE PATROL IS TO KEEP TRAFFIC MOVING IN A SAFE AND EFFICIENT MANNER. ON WEEKDAYS, THE WTS SHALL CONTINUOUSLY PATROL SR. 2 FROM E 305TH ST. TO SR 615, AND ALL RAMPS IN BETWEEN, FROM 6:30 AM TO 8:30 AM AND FROM 4PM TO 6PM. THE ENGINEER MAY ADJUST THE TIMES THE WTS PATROLS AND THE LOCATIONS.

THE DUTIES OF THE WTS WHEN DOING THE FREEWAY SERVICE PATROL WILL BE TO ASSIST DISABLED MOTORISTS EX. CHANGE TIRES, GIVE GAS, JUMP START CARS, PUSH VEHICLES OFF OF THE R OF W, ETC. ASSIST AT ACCIDENT SCENES, EX HELP WITH TRAFFIC CONTROL, USING AN ARROW MOVING TRAFFIC OVER, SET UP CONES, ACCIDENT CLEAN UP, ETC. REMOVE DEBRIS IN THE ROADWAY AND HELP WITH OTHER INCIDENTS THAT MAY ARISE. THE ENGINEER MAY DIRECT THE WTS ACTING AS A FREEWAY SERVICE PATROL TO ASSIST WITH AN INCIDENT, ACCIDENT, DISABLED, ETC. AT ANY TIME DURING THE DAY.

THE WTS CAN CARRY OUT HIS INSPECTIONS DURING HIS PATROLS.

THE FREEWAY SERVICE PATROL MUST BE EQUIPPED WITH THE FOLLOWING EQUIPMENT:

1. 1/2 TON PICK UP OR VAN WITH FREEWAY SERVICE PATROL ON THE VEHICLE, AT LEAST 2 LOCATIONS, LETTERS AT LEAST 6 INCHES HIGH.
2. MINIMUM 4 AMBER STROBE LIGHTS.
3. A FULL MATRIX MESSAGE BOARD MIN. DIMENSIONS 70 INCHES BY 30 INCHES. MUST BE ABLE TO DISPLAY A FLASHING ARROW AND WORD MESSAGES. MUST BE MOUNTED ON THE TRUCK/VAN.
4. HEAVY DUTY PUSH BUMPER.

5. PUBLIC ADDRESS SYSTEM, SO WTS CAN TELL DISABLED MOTORISTS WHAT TO DO WITH OUT GETTING OUT OF HIS VEHICLE.

6. THE FREEWAY SERVICE PATROL VEHICLE IS TO BE STOCKED WITH THE FOLLOWING ITEMS:

- A. 2 JACKS, (1 LOW PROFILE, 1- 2.5 TON JACK)
- B. BOX OF FLARES
- C. FLASHLIGHT
- D. 2 SAFETY GAS CAN FOR REFUELING MOTORISTS
- E. TOW STRAP OR CHAINS FOR PULLING MOTORISTS
- F. 8- 28' CONES WITH REFLECTIVITY
- G. AIR TANK, CAPABLE OF BLOWING UP A TIRE
- H. JUMPER BOX, TO JUMP START MOTORISTS
- I. 2 GALLONS MIN. OF WATER, FOR OVERHEATED VEHICLES.
- J. TIRE IRON, 4 WAY.
- K. SMALL SLEDGE
- L. 5 QUARTS OF OIL
- M. SMALL TOOL BOX, SCREW DRIVER, HAMMER, PLIERS, VARIOUS WRENCHES.
- N. FIRST AID KIT.
- O. FIRE EXTINGUISHER

7. THE WTS WHEN ACTING AS THE FREEWAY SERVICE PATROL SHALL WEAR A ANSI CLASS 3 UNIFORM, PANTS, SHIRT, AND COAT, (COAT ONLY WHEN NEEDED).

THE ABOVE ITEMS ARE INCIDENTAL TO THE WTS PAY ITEM.

THE WTS WHEN ACTING AS A FREEWAY SERVICE PATROL SHALL HAVE THE MOTORISTS HE IS ABOUT TO ASSIST SIGN A RELEASE AGREEMENT INDEMNIFYING THE CONTACTOR THE CONTRACTORS EMPLOYEE AND THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION FROM ANY LOSS, CLAIM, CAUSE OF ACTION, DAMAGES, LIABILITY. ETC. ODOT WILL PROVIDE THE FORM.

THE FREEWAY SERVICE PATROL SHALL OPERATE ON WEEKDAYS WHEN EVER THE WTS IS ACTIVELY WORKING.

IF THREE OR MORE FAILURES TO PERFORM THE DUTIES SET FORTH ABOVE OCCUR, THE WTS SHALL BE IMMEDIATELY REMOVED FROM THE WORK IN ACCORDANCE WITH C&MS 108.05.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED FOR THE WORKSITE TRAFFIC SUPERVISOR:
ITEM 614 WORKSITE TRAFFIC SUPERVISOR 36 MONTHS

WORK ZONE MARKINGS PRIOR TO FINAL SURFACE COURSE

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR WORK ZONE PAVEMENT MARKING MEASURES.

ITEM 614 - WORKZONE EDGE LINE (WHITE)	8.00 MILE
ITEM 614 - WORKZONE EDGE LINE (YELLOW)	7.50 MILE
ITEM 614 - WORKZONE LANE LINE	6.75 MILE
ITEM 614 - WORKZONE CHANNELIZING LINE	8,300 FOOT

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE OF PAVEMENT MARKINGS UNTIL THE FINAL SURFACE COURSE IS PLACED PER THE REQUIREMENTS OF CMS 614.04 AND 614.11.

CALCULATED
DRJ
CHECKED
TMD
**MAINTENANCE OF TRAFFIC GENERAL NOTES
(ASPHALT ALTERNATIVE)**

LAK-2-3.32