

GENERAL NOTES

COMPUTED BY: H.T. 11/76
CHECKED BY: F.K. 11/76**D) LIGHTING DEVICES - CONTINUED**

CONTINUOUS BURN LIGHTS SHALL BE 12 VOLT BATTERY-OPERATED MODELS WITH 7 INCH DIAMETER YELLOW LENSES. THEY SHALL BE PLACED 3 FEET ABOVE THE GROUND ON ALL DRUMS WHENEVER ANY PORTION OF TRAVELED SURFACE IS CLOSED DURING TWILIGHT AND NIGHTTIME HOURS.

E) FLASHING ARROW

THE ELECTRIC FLASHING ARROW SHALL CONSIST OF A RECTANGULAR PANEL WITH MINIMUM DIMENSIONS OF 8' BY 4' PAINTED FLAT BLACK AND SUPPORTED SO THAT THE BOTTOM OF THE PANEL IS A MINIMUM OF 8' ABOVE THE PAVEMENT. A MINIMUM OF TEN (10) LIGHTS SHALL BE ARRANGED IN THE PANEL SO AS TO FORM A LARGE ARROW. THE UNIT SHALL BE CONSTRUCTED ACCORDING TO THE REQUIREMENTS OF 844.11.

LIGHT SHALL BE 12 VOLT, TYPE 4434-A PAR 36 AMBER LENS OR EQUIVALENT WITH FLAT BLACK STEEL VISORS. LIGHTS SHALL FLASH AT A RATE OF 25 TO 35 CYCLES PER MINUTE WITH A 50 PERCENT DWELL LINE. LIGHTS SHALL FLASH SIMULTANEOUSLY OR SEQUENTIALLY TO INDICATE DIRECTION OF VEHICLE MOVEMENT REQUIRED. AN AUTOMATIC DIMMER SHALL BE USED TO DIM THE LIGHTS AT NIGHT.

MATERIAL AND EQUIPMENT STORAGE

NO MATERIALS, EQUIPMENT OR PRIVATE VEHICLES SHALL BE STORED OR PARKED WITHIN THE MEDIAN OR WITHIN THIRTY (30') OF THE OUTSIDE EDGE OF THE EXISTING PAVEMENT OF S.R. 44. THE CONTRACTOR'S MAIN STORAGE AREAS SHALL NOT BE LOCATED WITHIN THE LIMITED ACCESS (L/A) FENCE.

ITEM 301 - BITUMINOUS AGGREGATE BASE, AS PER PLAN

THIS ITEM SHALL BE USED FOR CONSTRUCTING TEMPORARY PAVEMENT ON BERMS IN THE AREA ADJACENT TO THE 0207 AND 0327 BRIDGES. SEE SHEETS 44 TO 47.

THE WORK SHALL INCLUDE THE REMOVAL OF 6" OF THE EXISTING BERM MATERIAL AND REPLACING WITH A LAYER OF ITEM 301 NECESSARY TO BRING THE SURFACE FLUSH WITH THE EXISTING ADJACENT AREA. THE TEMPORARY PAVEMENT SHALL SLOPE AWAY FROM THE EXISTING PAVEMENT AT THE RATE OF $\frac{1}{2}$ "/FT. FULL WIDTH REPLACEMENT OF THE BERM AREA IS REQUIRED WHEREVER ANY PORTION OF THE BERM IS USED AS TEMPORARY PAVEMENT.

PAYMENT FOR REMOVING THE EXISTING BERM AND REPLACING WITH BITUMINOUS AGGREGATE BASE SHALL BE INCLUDED UNDER ITEM 301 BITUMINOUS AGGREGATE BASE, AS PER PLAN.

ESTIMATED QUANTITY: 516 CU. YDS.

ITEM 404 - ASPHALT CONCRETE OR AN APPROVED BITUMINOUS PREMIXED SURFACE COURSE FOR MAINTAINING TRAFFIC (SEE NOTE IN PROPOSAL)

THIS ITEM SHALL BE USED TO REPAIR BERMS IN TEMPORARY PAVEMENT AREAS, AND DECKS ON BRIDGES. THE FOLLOWING ESTIMATED QUANTITY IS INCLUDED IN THE GENERAL SUMMARY AND IS TO BE USED AS DIRECTED BY THE ENGINEER.

ESTIMATED QUANTITY: 43 CU. YD

ITEM 621 - PAVEMENT MARKINGS

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING EDGE LINES, LANE LINES, CHANNELIZING LINES, BROAD TRANSVERSE LINES, STOP LINES, AND PAVEMENT ARROWS SUCH AS SHOWN ON THESE PLANS AND IN THE PROPOSAL OR SPECIAL PROVISIONS AND SPECIFICATIONS HEREIN SET FORTH OR IN THE "MANUAL".

A) MAINTENANCE OF TRAFFIC

THE CONTRACTOR SHALL PROVIDE ALL SIGNS, FLASHING ARROWS, WET PAINT GUARDS, FLAGMEN, AND ALL OTHER TRAFFIC CONTROL DEVICES FOR THE MAINTENANCE AND SAFETY OF TRAFFIC AND PROTECTION OF THE LINES WHILE BEING APPLIED. THE CONTRACTOR SHALL COMPLY WITH THE MANUAL IN HIS OPERATIONS IN SO FAR AS PERTINENT.

B) LAYOUT AND PREMARKING

PRIOR TO BEGINNING PAVEMENT MARKING APPLICATION, THE CONTRACTOR SHALL LAYOUT THE PAVEMENT MARKINGS IN ACCORDANCE TO SUPPLEMENTAL SPECIFICATION 847.13.

C) DETAILS

THE PAVEMENT MARKINGS TO BE USED "A", "B", "C", AND "D" ARE SHOWN IN THE MANUAL IN FIGURES P-11, P-14. PAVEMENT ARROW DIMENSIONS ARE SHOWN IN FIGURE P-27 OF THE MANUAL. BROAD TRANSVERSE LINES SHALL BE SPACED AT 12' CENTER TO CENTER. ADDITIONAL DETAILS ARE SHOWN ON SHEET NO. 43.

D) BASIS OF PAYMENT

WORK DESCRIBED ABOVE INCLUDING ALL SERVICES, LABOR, MATERIALS, EQUIPMENT AND INCIDENTAL NECESSARY FOR THE REQUIRED SURFACE CLEANING, PREPARATION AND PLACEMENT OF THE PAVEMENT MARKINGS, UNDER TRAFFIC MAINTAINED BY CONTRACTOR OPERATION CONDITIONS, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR EACH ITEM SHOWN ON THE QUANTITY TABLE.

FOR QUANTITIES SEE SHEET NO. 42.

ITEM 847 - TEMPORARY PAVEMENT MARKINGS

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING TEMPORARY PAVEMENT MARKINGS WHEREVER AND WHENEVER NEEDED TO PROVIDE ADEQUATE CHANNELIZATION FOR THE DESIRED TRAFFIC PATTERNS. ANY PAVEMENT OPEN TO TRAFFIC SHALL HAVE LANE LINES AND CHANNELIZATION LINES IN PLACE. THE STOP BAR AND DOUBLE YELLOW LINE SHOWN ON SHEET NO. 43 AT THE INTERSECTION OF S.R. 84 AND MORLEY ROAD (RAMP "D") SHALL ALSO BE IN PLACE, WHENEVER OPEN TO TRAFFIC. MAXIMUM ALLOWABLE TIME BETWEEN THE RESURFACING OF ANY SECTION OF ROADWAY AND THE PLACING OF PAVEMENT MARKINGS SHALL BE 24 HOURS.

TEMPORARY PAVEMENT MARKINGS SHALL BE APPLIED, AND PAID FOR, IN THE SAME MANNER AS STATED IN THE PLAN NOTES AND SPECIFICATION: 847.12.

IN ORDER TO ENSURE READILY VISABLE LINES AT ALL TIMES, THE CONTRACTOR SHALL MAINTAIN THE MARKINGS BY REPAINTING, WHENEVER AND WHEREVER THE ENGINEER DEEMS IT NECESSARY AT NO ADDITIONAL COST TO THE STATE.

FOR QUANTITIES SEE SHEET NO. 42.

ITEM 847 - TEMPORARY PAVEMENT MARKINGS 847.10 TYPE B

TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED AS INDICATED ON THE TRAFFIC CONTROL PLAN SHEETS 44 TO 47 FOR BRIDGES 0207R&L. THEY SHALL ALSO BE PLACED AROUND BRIDGES 0327L AND 0327R IN THE SAME MANNER AS 0207L.

WORK SHALL INCLUDE ALL MATERIAL, LABOR, TOOLS AND EQUIPMENT NECESSARY TO PERFORM THE VARIOUS ITEMS OF WORK WITHIN THE CONTRACT BID PRICE FOR TEMPORARY PAVEMENT MARKINGS,