

# GENERAL NOTES

CALC: PCB 11-80  
CHK: ROB 11-80

## ITEM 614 MAINTAINING TRAFFIC

### GENERAL:

TWO-WAY TWO LANE TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON S.R. 2 AND LOST NATION ROAD BY USE OF THE EXISTING PAVEMENT, THE EXISTING PAVED SHOULDERS AND THE PROPOSED CLASS "A" TEMPORARY PAVEMENT AS SHOWN. THE LIMITS AND DURATION OF USE OF THE TEMPORARY ROADWAYS SHALL BE HELD TO AN ABSOLUTE MINIMUM, AND IN ALL CASES SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES STREETS AND HIGHWAYS SHALL GOVERN THE TRAFFIC CONTROL DEVICES AND OPERATIONS FOR MAINTENANCE OF TRAFFIC.

### SEQUENCE OF OPERATIONS:

1. CONSTRUCT TEMPORARY WEST BOUND ENTRANCE TO S.R. 2 FROM LOST NATION ROAD BY USE OF RAMPS G & M AS SHOWN ON DETAIL SHEET 6. MAINTAIN ONE-WAY TRAFFIC ON EXISTING RAMPS G & H AT ALL TIMES DURING CONSTRUCTION OF THIS TEMPORARY PAVEMENT.
2. CLOSE WEST BOUND ENTRANCE TO S.R. 2 FROM LOST NATION ROAD (RAMP A) TO THROUGH TRAFFIC AND DETOUR TRAFFIC ONTO TEMPORARY WEST BOUND APPROACH AS SHOWN ON SHEET 6.
3. PLACE TEMPORARY BARRIER GUARDRAIL ACROSS BRIDGE AND TEMPORARY CONCRETE BARRIER ALONG RAMP A AS SHOWN IN PHASE A. MAINTAIN TWO 11' MIN. LANES ACROSS SOUTH PORTION OF NORTH BRIDGE WHILE THE NORTH HALF OF THE NORTH BRIDGE DECK IS REPLACED. SEE SHEET 7.
4. MAINTAIN TWO 11' MIN. LANES ACROSS THE NORTH HALF OF NORTH BRIDGE WHILE SOUTH HALF OF NORTH BRIDGE DECK IS REPLACED, AS DETAILED IN PHASE B. SEE SHEET 8.
5. CONSTRUCT THE TEMPORARY MEDIAN CROSSOVER PAVEMENT AS SHOWN IN PHASE C. SEE SHEET 9. THE CONSTRUCTION OF THE MEDIAN CROSSOVER PAVEMENT WILL REQUIRE THE REMOVAL AND REPLACEMENT OF GUARDRAIL IN THE MEDIAN AND ALSO WILL REQUIRE PROVISIONS FOR TEMPORARY MEDIAN DRAINAGE.
6. ONCE THE NORTH BRIDGE DECK HAS BEEN REPLACED TRANSFER THE EAST BOUND S.R. 2 TRAFFIC ACROSS THE MEDIAN CROSSOVER TO THE NORTH BRIDGE AND MAINTAIN TWO-WAY FOUR LANE TRAFFIC ACROSS THE NORTH BRIDGE WHILE THE ENTIRE SOUTH BRIDGE DECK IS REPLACED AS SHOWN IN PHASE C. SEE SHEET 9.

THE FOLLOWING QUANTITIES SHALL BE USED TO PERFORM THE ABOVE SPECIFIED ITEMS AND AS DETAILED AND AS DIRECTED BY THE ENGINEER.

ITEM 614	MAINTAINING TRAFFIC	-----LUMP
ITEM 615	TEMPORARY PAVEMENT CLASS A, AS PER PLAN	-----2513 S.Y.
ITEM 615	TEMPORARY ROADS	-----LUMP
ITEM 606	TEMPORARY GUARDRAIL, TYPE 5, BARRIER DESIGN, AS PER PLAN	-----220 L.F.
ITEM 614	4" TEMPORARY LANE LINES, CLASS I, TAPE	-----0.96 MI. *
ITEM 614	4" TEMPORARY EDGE LINES, CLASS I, TAPE	-----2.12 MI. *
ITEM 614	TEMPORARY ARROWS, CLASS I, TAPE	-----3 EA. *
ITEM 622	TEMPORARY CONCRETE BARRIER	-----1770 L.F.

## ITEM 404 BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED ON THE RAMP AND BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER. TO BE USED FOR REPAIRS DURING CONSTRUCTION.

ITEM 404	BIT. CONCRETE FOR MAINTAINING TRAFFIC	-----20 C.Y.
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## DUST CONTROL

THE FOLLOWING QUANTITIES ARE ADDED FOR DUST CONTROL AS DIRECTED BY THE ENGINEER.

ITEM 616	WATER	-----80 M. GAL.
ITEM 616	CALCIUM CHLORIDE	-----8 TONS

## ASPHALT CONCRETE TRANSITIONING AT BRIDGE APPROACHES

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR REMOVING THE EXISTING WEARING SURFACE AND TRANSITIONING THE OLD PAVEMENT TO THE NEW BRIDGE DECK AND APPROACH SLAB USING A TRANSITION RATE OF ONE (1) INCH ASPHALT IN 30' OF PAVEMENT.

ITEM 404	ASPHALT CONCRETE	-----6 C.Y.
ITEM 202	WEARING SURFACE REMOVED	-----400 S.Y.

\* SEE TEMPORARY PAVEMENT MARKING NOTE ON SHEET 39.

## REPLACEMENT SIGNS

FLAT SHEET 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. PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE BID PRICE PER SQUARE FOOT FOR ITEM 630 REPLACEMENT SIGNS AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED SIGNS, HARDWARE AND SUPPORTS; AND PROVIDING NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC. REPLACEMENT SIGNS SHALL BE NEW BUT OTHER MATERIALS MAY BE USED SUBJECT TO APPROVAL BY THE ENGINEER.

AN ESTIMATED QUANTITY OF ITEM 630, REPLACEMENT SIGNS HAS BEEN CARRIED TO THE GENERAL SUMMARY:  
ITEM 630 REPLACEMENT SIGNS-----400 S.F.

## REPLACEMENT DRUMS

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 AND PAID FOR UNDER ITEM 606 REPLACEMENT DRUMS. PAYMENT FOR EACH NEW DRUM SHALL INCLUDE (1) THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM AND (2) PROVIDING, MAINTAINING AND REMOVING NEW DRUMS IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUMS.

AN ESTIMATED QUANTITY OF ITEM 606, REPLACEMENT DRUMS HAS BEEN CARRIED TO THE GENERAL SUMMARY.  
ITEM 606 REPLACEMENT DRUMS-----70 EACH

## LAW ENFORCEMENT OFFICER WITH PATROL CAR

THE CONTRACTOR SHALL PROVIDE AND PAY ALL COSTS FOR THE SERVICE OF LAW ENFORCEMENT OFFICER(S) WITH PATROL CAR(S) FOR THE EXCLUSIVE PURPOSE OF CONTROLLING TRAFFIC WHENEVER A CHANGE IN THE TRAFFIC PATTERN TAKES PLACE. THE NUMBER OF OFFICERS AND CARS REQUIRED FOR THIS PURPOSE SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE OFFICERS SHALL MOVE THEIR PATROL CARS AS NECESSARY TO INSURE THEIR CONSTANT PRESENCE AT THE POINT(S) OF SLOWDOWN, STOPPAGE OR BACK-UP. PAYMENT FOR THE ABOVE WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM SPECIAL, LAW ENFORCEMENT OFFICER WITH PATROL CAR.

THE FOLLOWING PAY ITEM AND QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:  
ITEM SPECIAL LAW OFFICER WITH PATROL CAR-----300 HRS.  
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ARRANGEMENTS REGARDING SCHEDULING AND PAYMENT OF LAW ENFORCEMENT OFFICER(S) WITH PATROL CAR(S).

## ITEM 606 TEMPORARY GUARDRAIL, TYPE 5 BARRIER DESIGN, AS PER PLAN

FOR DETAILS OF GUARDRAIL ATTACHMENT TO BRIDGE DECK SEE THE TRANSVERSE SECTION SHEET 4 OF 8 OF THE STRUCTURE PLANS.

## ITEM 624 MOBILIZATION, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 400 S.F. FLOOR SPACE WHICH SHALL BE IN ACCORDANCE WITH 619.01 AND 619.02. PAYMENT FOR THE ABOVE SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 624 MOBILIZATION, AS PER PLAN

## ITEM 615 TEMPORARY PAVEMENT, CLASS "A", AS PER PLAN

THE TEMPORARY PAVEMENT SHALL CONFORM TO ITEM 615 EXCEPT THE PAVEMENT BUILD-UP SHALL BE 8" OF ITEM 301 ON 6" OF ITEM 310.

## REMOVAL OF EXISTING BRIDGE DECK

THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PREVENT DEBRIS FROM THE REMOVAL OF THE EXISTING BRIDGE DECK FROM ENTERING THE CHAGRIN RIVER.

## ESTIMATED QUANTITIES

SPECIFIC LOCATIONS AND USAGE OF ESTIMATED QUANTITIES SET UP ON THIS PLAN TO BE USED "AS DIRECTED BY THE ENGINEER" SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT. ESTIMATED QUANTITIES OF MATERIALS SHALL NOT BE ORDERED FOR DELIVERY TO THE PROJECT UNLESS AUTHORIZED BY THE ENGINEER.

## LOCATION OF GUARDRAIL

THE LOCATIONS OF GUARDRAIL RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT TO ASSURE THAT THE PLANNED INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

## EROSION CONTROL

ITEM 660 IS PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OR TURF OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE ANY OF THESE ITEMS, AND TURF OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE ITEM 660. THE ENGINEER SHALL CHECK AND NON-PERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES FOR THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

## REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR ALONG WITH LOCAL REPRESENTATIVES SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS SHALL BE KEPT IN WRITING BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 615 TEMPORARY ROADS.

## RESTORATION

ONCE THE STRUCTURE DECKS HAVE BEEN REPLACED, TRAFFIC SHALL BE RESTORED TO NORMAL OPERATION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THE AREA TO ITS ORIGINAL CONDITION INCLUDING CATCH BASINS AND PIPES, EROSION CONTROL ITEMS, SEEDING, PAVEMENT MARKINGS, AND PAVEMENT BUILD-UP. HOWEVER, ALL SHOULDER IMPROVEMENTS MADE ON S.R. 2 AND RAMP H AT LOST NATION ROAD SHALL REMAIN IN PLACE AFTER COMPLETION OF PROJECT.

PAYMENT FOR THE ABOVE MENTIONED WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

## CONCRETE MEDIAN REPLACEMENT

THE CONTRACTOR SHALL REPLACE THE MEDIAN AREA ON LOST NATION ROAD TO ITS ORIGINAL CONDITION AND TO CONFORM TO THE STANDARD DRAWING MC-6. PAYMENT FOR THE ABOVE MENTIONED WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 612 CONCRETE MEDIAN.