

FHWA REGION	STATE	PROJECT	
5	OHIO		

LAKE COUNTY
LAK-528-1.92

PLAN NO. BR-84-82

GENERAL NOTES

ITEM 614 - MAINTAINING TRAFFIC

GENERALLY THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAKE THE PROPOSED REPAIRS WITH A MINIMUM OF HAZARD, DELAY AND INCONVENIENCE TO THE MOTORISTS USING THE HIGHWAY AFFECTED BY THE WORK DONE UNDER THIS CONTRACT. FURTHERMORE, THE FOLLOWING SPECIFIC PROVISIONS ARE MANDATORY.

I. NOTIFICATION

SINCE FUNCTIONAL TRAFFIC CONTROL IS A MAJOR CONCERN OF THIS PROJECT IT IS ESSENTIAL THAT THE MOTORING PUBLIC BE ADEQUATELY FORWARDED OF FUTURE LANE CLOSURES AND TRAFFIC CONSTRUCTIONS. THEREFORE, THE CONTRACTOR SHALL SUBMIT A SCHEDULE TO THE OHIO DEPARTMENT OF TRANSPORTATION INDICATING THE LOCATION AND DATE OF EACH LANE CLOSURE AT LEAST TWO WEEKS PRIOR TO THE IMPLEMENTATION OF ANY SUCH CLOSURES.

II. NIGHTTIME WORK

NIGHTTIME WORK SHALL BE ENCOURAGED AND PERMITTED IN ACCORDANCE WITH THESE PLANS AND NOTES. A PLAN FOR LIGHTING FOR NIGHTTIME OPERATIONS SHALL BE PRESENTED TO AND APPROVED BY THE ENGINEER. IN ORDER TO ASSURE THE SAFEST CONDITIONS DURING NIGHTTIME WORK THE CONTRACTOR SHALL PROVIDE FLOOD LIGHTING OF THE WORK AREA.

III. TRAFFIC CONTROL SYSTEMS

A. MINIMUM PROVISIONS

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL DEVICES AS REQUIRED BY THE PLANS AND SPECIFICATIONS AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, HEREAFTER REFERRED TO AS THE "MANUAL". TWO-WAY TRAFFIC ON ONE 11 FT. MINIMUM LANE SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY SIGNALS AS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS SHALL BE USED IN LIEU OF FLAGMEN. THE TRAFFIC CONTROL SYSTEMS IN THE "MANUAL" AND THESE PLANS CONSTITUTE THE MINIMUM PROVISIONS FOR MAINTAINING TRAFFIC. WHENEVER THE ENGINEER DEEMS ADDITIONAL OR ALTERNATIVE DEVICES NECESSARY HE MAY DIRECT THAT THEY BE USED.

B. ADVANCE WARNING SIGNS

ALL ADVANCE WARNING SIGNS FOR ANY TRAFFIC RESTRICTION SHALL BE ERECTED BEFORE SUCH RESTRICTION IS PUT INTO EFFECT. ALL SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHENEVER THEY ARE NOT APPLICABLE.

C. CONDITIONS

A MINIMUM 11 FOOT LANE ON THE EXISTING PAVEMENT SHALL BE MAINTAINED AT ALL TIMES AS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS.

D. FAILURE TO COMPLY

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

IV. TRAFFIC CONTROL MATERIAL

A. SIGNS

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

B. SIGN SUPPORTS

SIGN SUPPORTS SHALL BE SUFFICIENT SIZE AND HEIGHT AS TO SUPPORT THE SIGNS AT THE HEIGHT INDICATED IN THE "MANUAL". SUPPORTS SHALL ALSO BE ADEQUATE IN MASS AND STABILITY TO PREVENT THE SIGNS BEING BLOWN OVER BY WIND OR VEHICULAR GENERATED AIR TURBULENCE.

C. LIGHTING DEVICES

FLASHERS SHALL BE 12-VOLT BATTERY-OPERATED MODELS WITH 7 INCH DIAMETER YELLOW LENSES ILLUMINATED BY RAPID INTERMITTENT FLASHES OF SHORT DURATION. CONTINUOUS BURN LIGHTS SHALL BE 12-VOLT BATTERY-OPERATED MODELS WITH MINIMUM 7 INCH DIAMETER YELLOW LENSES. THEY SHALL BE PLACED ABOVE THE GROUND ON THE TOPS OF DRUMS WHENEVER DRUMS ARE REQUIRED. CONTINUOUS BURN LIGHTS AS DESCRIBED ABOVE SHALL BE REQUIRED WHENEVER ANY PORTION OF THE TRAVELED SURFACE IS CLOSED DURING TWILIGHT OR NIGHTTIME HOURS.

D. CONES

STANDARD RUBBER OR PLASTIC CONES SHALL BE USED. CONES SHALL BE AT LEAST 36" HIGH AND SHALL BE PRE-DOMINANTLY ORANGE IN COLOR. ALL CONES HAVE WEIGHTED BASES.

E. DRUMS

DRUMS SHALL BE APPROXIMATELY 36" IN HEIGHT AND A MINIMUM OF 18" IN DIAMETER. THE MARKINGS ON DRUMS SHALL BE HORIZONTAL, CIRCUMFERENTIAL, ORANGE AND WHITE REFLECTORIZED STRIPES FOUR TO EIGHT INCHES WIDE, USING A MATERIAL THAT HAS A SMOOTH, SEALED OUTER SURFACE WHICH WILL DISPLAY THE SAME APPROXIMATE SIZE, SHAPE AND COLOR DAY AND NIGHT. THERE SHALL BE AT LEAST TWO ORANGE AND TWO WHITE STRIPES ON EACH DRUM. IF THERE ARE NONREFLECTORIZED SPACES BETWEEN THE HORIZONTAL ORANGE AND WHITE STRIPES, THEY SHALL BE NO MORE THAN TWO INCHES WIDE. DRUMS SHALL BE BALLASTED AS APPROVED BY THE ENGINEER. DRUMS SHALL BE REQUIRED FOR NIGHTTIME CLOSURES. PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 - MAINTAINING TRAFFIC.

F. SIGNALS

SEE MAINTENANCE OF TRAFFIC PLANS.

V. PAYMENT

PAYMENT FOR PROVIDING, ERECTING, MAINTAINING AND REMOVING TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNALS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614 - MAINTAINING TRAFFIC.

RIGHT-OF-WAY

ALL WORK WILL BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER.

ITEM 202 - ANCHOR ASSEMBLY REMOVED

THIS ITEM SHALL CONSIST OF REMOVING THE COMPLETE ANCHOR ASSEMBLY CONSISTING OF THE RAIL, POSTS, ENCASEMENT AND CONCRETE ANCHOR AND THE FILLING OF THE RESULTING HOLES SO AS TO PROVIDE A STABLE, EVEN SHOULDER FOR NEW GUARD-RAIL CONSTRUCTION.

ITEM 606 - ANCHOR ASSEMBLY, TYPE A, MODIFIED AS PER PLAN

THIS ITEM SHALL INCLUDE THE FURNISHING, ASSEMBLING AND ERECTING OF ALL COMPONENT PARTS AND MATERIALS COMPLETE IN PLACE AS SHOWN ON THE PLANS. ANCHORS SHALL BE MODIFIED AND BURIED AS PER PLAN. THE POSTS AND ANCHOR SHALL BE POSITIONED SO AS TO PROVIDE A VERTICAL FACE OF RAIL AND A LEVEL, EVEN ALIGNMENT TO BURIED ANCHOR. BACKSLOPES SHALL RETAIN THEIR ORIGINAL GRADE AND SLOPE.

ITEM 606 - GUARDRAIL TYPE 5

THE GUARDRAIL TYPE 5 SHALL BE COMPLETELY INSTALLED PRIOR TO ANY TRAFFIC CONTROL LANE CLOSURES. NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE, GRADE AND REINSTALL GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON THE SITE, READY FOR INSTALLATION.

THE LOCATIONS OF GUARDRAIL RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

ITEM 404 - BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC

THIS ITEM SHALL BE USED TO TEMPORARILY REPAIR HOLES IN THE BRIDGE DECK. THE CONTRACTOR SHALL USE THIS ITEM TO MAINTAIN THE HIGHWAY ACCORDING TO SEC. 614.02. THE FOLLOWING ESTIMATED QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR THE MAINTENANCE OF TRAFFIC AS OUTLINED ABOVE, TO BE USED AS DIRECTED BY THE ENGINEER ON ALL PARTS OF THIS PROJECT.

ITEM 404 - BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC.....5 CU.YDS.

ITEM 404 - ASPHALT CONCRETE AC-20

THIS ITEM SHALL BE USED TO FEATHER THE NEW BACKWALL TOP TO THE EXISTING APPROACH ASPHALT PAVEMENT. THE FOLLOWING QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 404 - ASPHALT CONCRETE, AC-20.....1 CU.YD.

ITEM 624 - MOBILIZATION, AS PER PLAN

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 400 SQ.FT. OF 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 845 - LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS)

THE CONTRACTOR SHALL MAKE AVAILABLE TO THE INSPECTOR SUFFICIENT SPRAY PAINT TO OUTLINE THE REMOVAL AREAS. COST OF THE SPRAY PAINT SHALL BE INCLUDED IN ITEM 845 - LATEX MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS) FOR PAYMENT.