

**SEQUENCE OF CONSTRUCTION**

THE CONSTRUCTION PHASING DETAILED BELOW DESCRIBES THE WORK ITEMS NEEDED TO REPLACE THE DECK OF THE LAK-615-0403 (CENTER STREET) BRIDGE OVER NS AND CSX RAILROADS ALONG WITH APPROACH SLABS, ASSOCIATED APPROACH WORK, SUBSTRUCTURE REPAIRS AND ROADWAY LIGHTING REPLACEMENT. ANY PROPOSED CHANGES TO THE MAINTENANCE OF TRAFFIC PHASING LISTED BELOW MUST BE SUBMITTED IN WRITING AND APPROVED BY THE ENGINEER. SEE SHEETS 8 TO 30 FOR MOT DETAILS.

**PHASE 1A:**

USING DAILY LANE CLOSURES, BETWEEN THE HOURS OF 6:00 AM AND 3:00 PM, THE CONTRACTOR SHALL REMOVE ONE FOOT OF CURB AND SIDEWALK AND PLACE TEMPORARY PAVEMENT AS SHOWN IN THE PLANS AND SECTIONS. ALL LANES SHALL BE OPEN TO TRAFFIC ON WEEKENDS AND WEEKDAYS AFTER 3:00 PM. THE EMERGENCY VEHICLE PREEMPTION ALLOWING EMERGENCY VEHICLE TO TRAVEL IN THE SOUTHBOUND DIRECTION THROUGH THE ONE-WAY CONSTRUCTION ZONE (PHASES 1 & 2) SHALL BE INSTALLED AND TESTED DURING THIS PHASE. AFTER TESTING, THE PREEMPTION SHALL BE DISABLED UNTIL ONE-WAY TRAFFIC FLOW IS IMPLEMENTED.

**PHASE 1:**

IMPLEMENT THE DETOUR FOR SOUTHBOUND SR 615 AND CLOSE THE ROADWAY TO ALL SOUTHBOUND TRAFFIC BETWEEN LINDSAY DRIVE/FRACCI COURT AND CARPERINTER DRIVE/STATION STREET. MAINTAIN TWO LANES OF NORTHBOUND TRAFFIC ON THE EAST SIDE OF THE ROADWAY, EXISTING BRIDGE AND TEMPORARY PAVEMENT. REMOVE AND REPLACE THE WESTERN PORTION OF THE BRIDGE DECK AND APPROACH SLABS AND CONSTRUCT WESTERN PROPOSED ROADWAY PAVEMENT UP TO AND INCLUDING ASPHALT CONCRETE INTERMEDIATE COURSE AS DETAILED IN THE NOTES, PLANS AND SECTIONS.

**PHASE 2:**

WITH THE DETOUR FROM PHASE 1 STILL IN PLACE, SHIFT TWO LANES OF NORTHBOUND TRAFFIC TO THE WEST SIDE OF THE ROADWAY AND NEW BRIDGE DECK CONSTRUCTED IN THE PREVIOUS PHASE. REMOVE AND REPLACE THE REMAINDER OF THE BRIDGE DECK AND APPROACH SLABS NOT REPLACED IN THE PREVIOUS PHASE AND CONSTRUCT REMAINING ROADWAY SOUTHBOUND AND NORTHBOUND PAVEMENT UP TO AND INCLUDING ASPHALT CONCRETE SURFACE COURSE AS DETAILED IN THE NOTES, PLANS AND SECTIONS.

**INTERIM COMPLETION DATE**

ALL BRIDGE DECK, ROADWAY, LIGHTING AND TRAFFIC CONTROL WORK SHALL BE COMPLETED, AND ALL LANES RE-OPENED TO TRAFFIC BY OCTOBER 15, 2023. BRIDGE PAINTING MAY TAKE PLACE THE FOLLOWING CONSTRUCTION SEASON WITHIN THE ALLOWABLE CONTRACT TIME.

**ESTIMATED QUANTITIES FOR MAINTAINING TRAFFIC**

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER

ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGN 24 SNMT

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY AS PAYMENT FOR INSTALLATION, MAINTENANCE AND REMOVAL OF ALL DETOUR SIGNING AS SHOWN ON THE THREE DETOUR MAP SHEETS INCLUDED IN THE PLAN SET.

ITEM 614 - DETOUR SIGNING LUMP SUM

**ITEM 614 - MAINTAINING TRAFFIC**

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL DETOUR SIGNING CONTAINED IN THESE PLANS SHALL BE PAID FOR UNDER THE DETOUR SIGNING LUMP SUM BID ITEM UNLESS SEPARATELY ITEMIZED IN THE PLANS.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP &	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
ROAD	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES	< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC:

1. STATE ROUTE 615 (CENTER STREET) SOUTHBOUND, SOUTH OF LINDSAY DRIVE/FRACCI COURT

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 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 ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY

ITEM 614, MAINTAINING TRAFFIC LUMP SUM.

**ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS**

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) MAY BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN A NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING THE SPECIFIC WORK

**ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONTINUED)**

ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (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) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 60 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

**ITEM 614 - BUSINESS ENTRANCE SIGN, AS PER PLAN**

BUSINESS ENTRANCE SIGNS SHALL BE FURNISHED AND INSTALLED TO DIRECT MOTORISTS TO BUSINESSES IMPACTED BY THE MAINTENANCE OF TRAFFIC PLAN FOR THE PROJECT. THE PROJECT ENGINEER SHALL DETERMINE WHETHER OR NOT ADDITIONAL SIGNS ARE NECESSARY. SIGNS SHALL MEASURE 96 INCH BY 30 INCH IN SIZE WITH TYPE G OR TYPE H ORANGE RETROREFLECTIVE SHEETING AND BLACK TEXT WITH M4-H15-MOD LEGEND. SIGN LEGEND WILL BE AS SHOWN ON SHEET 14 / 125 OR SIMILAR AS DETERMINED BY THE ENGINEER AND PROVIDED TO THE CONTRACTOR. SIGNS SHALL BE MOUNTED IN ACCORDANCE THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, TRAFFIC ENGINEERING MANUAL AND STANDARD CONSTRUCTION DRAWINGS.

PAYMENT FOR ALL COSTS ASSOCIATED WITH COORDINATING, MANUFACTURING, MOUNTING, RELOCATING IF NECESSARY AND REMOVINGS THE SIGN, INCLUDING ALL LABOR, MATERIALS AND EQUIPMENTS SHALL BE INCLUDED IN THE CONTRACT PRICE PER EACH ITEM 614, BUSINESS ENTRANCE SIGN, AS PER PLAN.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 614 BUSINESS ENTRANCE SIGN, AS PER PLAN 4 EACH

**ITEM 615 - ROADS FOR MAINTAINING TRAFFIC**

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE IN CONJUNCTION WITH ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, IN ACCORDANCE WITH CMS 615.

ITEM 615 - ROADS FOR MAINTAINING TRAFFIC LUMP SUM