



**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS.

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

CABLE  
WIDE OPEN WEST  
105 BLAZE INDUSTRIAL PKWY  
BEREA, OH 44017  
866.496.9669

CABLE  
CHARTER COMMUNICATIONS  
5520 WHIPPLE AVENUE NW  
NORTH CANTON, OH 44720  
330.494.9200

CITY  
CITY OF AMHERST  
206 SOUTH MAIN  
AMHERST, OHIO 44001  
440-984-4380

CITY  
CITY OF LORAIN  
200 W. ERIE AVENUE  
LORAIN, OH 44052  
440.204.2003

COMMUNICATION  
CENTURYLINK  
175 ASHLAND ROAD, P.O. BOX 3555  
MANSFIELD, OH 44907  
419.755.7956

COMMUNICATION  
EVERSTREAM SOLUTIONS  
800 W ST CLAIR, 2ND FLOOR  
CLEVELAND, OH 44113  
216.581.7972

COMMUNICATION  
LEVEL 3 COMMUNICATIONS  
106 SOUTH ARLINGTON STREET  
AKRON, OH 44306  
740.275.1133

COMMUNICATION  
VERIZON BUSINESS  
120 RAVINE STREET  
AKRON, OH 44303  
330.253.8267

ELECTRIC  
OHIO EDISON  
1717 ASHLAND ROAD  
MANSFIELD, OH 44905  
419.521.6213

GAS  
COLUMBIA GAS OF OHIO  
1021 N MAIN STREET  
MANSFIELD, OH 44903  
419.528.1137

GAS  
KNOX ENERGY  
11872 WORTHINGTON RD  
PATASKALA, OH 43062  
740.927.6731

GAS  
TC ENERGY  
589 N STATE ROAD  
MEDINA, OH 44256  
330.721.4163

TRAFFIC  
ODOT DISTRICT THREE  
906 CLARK AVENUE  
ASHLAND, OH 44805  
419.207.7045

WATER  
NORTHERN OHIO RURAL WATER  
P.O. BOX 96  
COLLINS, OH 44826  
419.668.7213

THE AFOREMENTIONED UTILITY COMPANIES AND AGENCIES HAVE VARIOUS FACILITIES IN THE AREA THAT WILL REMAIN IN PLACE DURING CONSTRUCTION.

EXTREME CAUTION SHOULD BE EXERCISED IN AREAS WITH UTILITIES. SECTIONS 105.07 AND 107.16 OF THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS REQUIRE, AMONG OTHER THINGS, THAT THE CONTRACTOR COOPERATE WITH ALL UTILITIES LOCATED WITHIN THE LIMITS OF THIS CONSTRUCTION PROJECT AND TAKE RESPONSIBILITY FOR THE PROTECTION OF THE UTILITY PROPERTY AND SERVICES.

**EXISTING PLANS**

EXISTING PLANS ENTITLED LOR-254-0.00 B (LOR-2-3.31-7.97) (1964) MAY BE INSPECTED IN THE ODOT DISTRICT 3 OFFICE IN ASHLAND.

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**ROUTINE MAINTENANCE**

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

**PROFILE AND ALIGNMENT**

PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. (PREVIOUS CONSTRUCTION PLANS SHOWING THE ORIGINAL ALIGNMENT AND PROFILE, ARE AVAILABLE FOR INSPECTION AT THE ODOT DISTRICT 3 OFFICE). PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

**ITEM 209 - LINEAR GRADING**

THE CONTRACTOR IS REQUIRED TO PERFORM LINEAR GRADING ON THE GRADED SHOULDER. IT IS ANTICIPATED THAT THERE ARE AREAS WHERE THE GRADED SHOULDER IS AT A HIGHER ELEVATION THAN THE ADJACENT PROPOSED PAVEMENT. A 10:1 SLOPE SHALL BE ESTABLISHED, OR AS DIRECTED BY THE ENGINEER, WHEN PERFORMING ITEM 209 LINEAR GRADING. THE INTENT IS TO PROVIDE AN UNOBSTRUCTED AND POSITIVE FLOW OF STORM WATER FROM THE PAVEMENT TO THE DITCH. THE LINEAR GRADING SHALL BE PERFORMED AFTER THE INTERMEDIATE COURSE HAS BEEN COMPLETED AND BEFORE THE SURFACE COURSE IS PLACED. ALL LABOR AND EQUIPMENT NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID PER MILE FOR ITEM 209 - LINEAR GRADING.

**ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE)**

**ITEM 253 - PAVEMENT REPAIR**

THESE ITEMS OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING ASPHALT CONCRETE PAVEMENT IN AREAS OF EXISTING PAVEMENT FAILURE. CORING HAS BEEN PERFORMED TO HELP DETERMINE THE COMPONENTS THAT MAY BE ENCOUNTERED DURING THIS ITEM OF WORK. THE PAVEMENT CORING INFORMATION IS SHOWN ON THIS SHEET.

PAVEMENT REPAIR SHALL BE PERFORMED BEFORE PAVEMENT PLANING AND PLACEMENT OF THE INTERMEDIATE AND SURFACE COURSES. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH AN AVERAGE DEPTH OF 6" FOR ESTIMATING PURPOSES.

THE CONTRACTOR SHALL BE CAPABLE OF PERFORMING PAVEMENT REPAIRS 4 FEET WIDE FOR TRANSVERSE REPAIRS AND 2 FEET WIDE FOR LONGITUDINAL REPAIRS.

REPLACEMENT MATERIAL SHALL BE ITEM 301 AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) IS TO BE A MAXIMUM OF 6" DEEP AND ITEM 253 PAVEMENT REPAIR IS FOR DEPTHS GREATER THAN 6". PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER CUBIC YARD, (BY TICKET WEIGHT CONVERSION), OF ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) OR ITEM 253 - PAVEMENT REPAIR.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE): SEE SHEET 19 FOR ESTIMATED QUANTITIES AND LOCATIONS. THE FINAL LOCATION AND SIZE OF THE REPAIRS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER. IN ADDITION TO THE QUANTITIES PROVIDED ON SHEET 19, THE FOLLOWING ADDITIONAL ESTIMATED QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:  
ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) (LONGITUDINAL): 325 CY  
ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE) (TRANSVERSE): 100 CY

ITEM 253 - PAVEMENT REPAIR:  
THE FOLLOWING ESTIMATED QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:  
ITEM 253 - PAVEMENT REPAIR: 100 CY

**PAVEMENT CORING INFORMATION**

COUNTY	ROUTE	SLM	ASPHALT	CONCRETE	BRICK	LOCATION	DIRECTION	YEAR CORED
LOR	2	4.0	9.0	8.0	0.0	LT. WHEEL PATH	EB	2019
LOR	2	4.0	7.5	9.0	0.0	RT. WHEEL PATH	EB	2019
LOR	2	4.0	13.0	0.0	0.0	SHOULDER	EB	2019
LOR	2	4.6	8.0	8.5	0.0	CENTER OF LANE	EB	2019
LOR	2	4.6	9.0	9.0	0.0	RT. WHEEL PATH	EB	2019
LOR	2	4.6	12.0	0.0	0.0	SHOULDER	EB	2019
LOR	2	5.0	8.0	9.0	0.0	CENTER OF LANE	EB	2019
LOR	2	5.0	10.0	6.0	0.0	RT. WHEEL PATH	EB	2019
LOR	2	5.0	10.0	0.0	0.0	SHOULDER	EB	2019
LOR	2	5.7	7.0	9.0	0.0	CENTER OF LANE	EB	2019
LOR	2	5.7	7.0	9.0	0.0	RT. WHEEL PATH	EB	2019
LOR	2	5.7	13.0	0.0	0.0	SHOULDER	EB	2019
LOR	2	6.0	7.5	8.0	0.0	CENTER OF LANE	EB	2019
LOR	2	6.0	6.0	8.0	0.0	RT. WHEEL PATH	EB	2019
LOR	2	6.0	13.0	0.0	0.0	SHOULDER	EB	2019
LOR	2	6.5	8.0	10.5	0.0	CENTER OF LANE	EB	2019
LOR	2	6.5	8.0	10.0	0.0	RT. WHEEL PATH	EB	2019
LOR	2	6.5	15.0	0.0	0.0	SHOULDER	EB	2019
LOR	2	7.1	7.0	8.5	0.0	CENTER OF LANE	EB	2019
LOR	2	7.1	6.5	9.0	0.0	RT. WHEEL PATH	EB	2019
LOR	2	7.1	9.0	0.0	0.0	SHOULDER	EB	2019
LOR	2	8.0	5.0	8.5	0.0	CENTER OF LANE	EB	2019
LOR	2	8.0	5.0	9.0	0.0	RT. WHEEL PATH	EB	2019
LOR	2	8.0	6.0	2.5	0.0	SHOULDER	EB	2019

**ITEM 255 - FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS RRCM**

ITEM 255 - FULL DEPTH REMOVAL AND RIGID REPLACEMENT IS TO BE USED FOR FULL DEPTH RIGID PAVEMENT REPAIRS. PAVEMENT REPAIRS SHALL BE PERFORMED BEFORE PAVEMENT PLANING AND PLACEMENT OF THE INTERMEDIATE AND SURFACE COURSES. ALL FULL DEPTH RIGID REPAIRS SHALL USE ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448) TO A DEPTH OF 2" ABOVE THE CONCRETE AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE.

CONCRETE AND ASPHALT SHALL BE PLACED IN THE REPAIR AREA THE SAME DAY THAT THE EXISTING PAVEMENT IS REMOVED FROM THE REPAIR AREA.

SEE SHEET 19 FOR ESTIMATED QUANTITIES AND LOCATIONS. THE FINAL LOCATION AND SIZE OF THE REPAIRS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER. IN ADDITION TO THE QUANTITIES PROVIDED ON SHEET 19, THE FOLLOWING ADDITIONAL ESTIMATED QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 255 - FULL DEPTH REMOVAL AND RIGID REPLACEMENT, CLASS RRCM: 160 SY  
ITEM 255 - FULL DEPTH PAVEMENT SAWING: 600 SY  
ITEM 407 - TACK COAT, 702.13: 13 GAL.  
ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448): 9 CY

CALCULATED  
KRB  
CHECKED  
ACM

GENERAL NOTES

LOR-2-3.86

7  
3.7

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## NOTIFICATIONS OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

### NOTIFICATION TIME TABLE

<u>ITEM</u>	<u>DURATION OF CLOSURE</u>	<u>NOTICE LEAD TIME REQUIRED*</u>
RAMP AND/OR ROAD CLOSURES	TWO WEEKS OR GREATER	21 CALENDAR DAYS
	12 HOURS TO TWO WEEKS	14 CALENDAR DAYS
	12 HOURS OR LESS	4 BUSINESS DAYS
LANE CLOSURES AND RESTRICTIONS	TWO WEEKS OR GREATER	14 CALENDAR DAYS
	LESS THAN TWO WEEKS	5 BUSINESS DAYS
START OF CONSTRUCTION AND TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

\* - PRIOR TO CLOSURE DATE, UNLESS NOTED OTHERWISE

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

## WORKING HOURS RESTRICTION

STATE ROUTE 2 IS A RESTRICTED LANE CLOSURE ROUTE DUE TO HIGH TRAFFIC VOLUME. DURING THE PROJECT DURATION, LANE CLOSURES SHALL BE PERMITTED AS LISTED ON THE ODOT PLCM WEB SITE AT <http://plcm.dot.state.oh.us>.

LANE CLOSURES ON SR 58 FOR THE STRUCTURE MAINTENANCE WORK ON STRUCTURES LOR-2-0742 L&R SHALL FOLLOW THE PERMITTED LANE CLOSURE RESTRICTIONS FOR SR 2.

RAMP WORK SHALL ONLY BE PERFORMED IN THE EVENINGS FROM 9 PM TO 6 AM. RAMP CLOSURES ARE PERMITTED.

THE ALLOWABLE LANE CLOSURE TIMES ARE TO INCLUDE ANY TIME NEEDED TO IMPLEMENT AND REMOVE ALL MAINTENANCE OF TRAFFIC MEASURES.

## LANE CLOSURE DISINCENTIVE

A LANE CLOSURE IS DEFINED AS ANY RESTRICTION OF A LANE OF TRAFFIC INCLUDING, BUT NOT LIMITED TO, SET UP AND TEAR DOWN OF TRAFFIC CONTROL ZONES. THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE IN THE AMOUNT OF \$235 (FOR SR 2) AND \$135 (FOR SR 58) PER MINUTE THAT LANES ARE CLOSED TO TRAFFIC DURING TIMES DESIGNATED AS "LANE CLOSURE NOT PERMITTED" AS STATED IN THESE PLANS AND ON THE ODOT PLCM WEB SITE AT <http://plcm.dot.state.oh.us>.

## MAINTENANCE OF TRAFFIC FOR MARKING PAVEMENT REPAIRS

PROVIDE LANE CLOSURES AS PER THE MAINTENANCE OF TRAFFIC NOTES IN THESE PLANS A MINIMUM OF 24 HOURS PRIOR TO PERFORMING PAVEMENT REPAIRS TO ALLOW THE ENGINEER TO IDENTIFY AND MARK THE AREAS OF THE PAVEMENT IN NEED OF REPAIRS.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NEEDED TO PERFORM THE ABOVE LISTED WORK IS CONSIDERED INCIDENTAL TO MAINTAINING TRAFFIC ON THE PROJECT AND WILL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

## BUTT JOINTS

DO NOT CUT BUTT JOINTS AND ALLOW THEM TO BE LEFT OPEN TO TRAFFIC. FILL THE BUTT JOINTS WITH A TEMPORARY ASPHALT CONCRETE WEDGE USING ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC IN ACCORDANCE WITH THE TAPER RATES SET FORTH IN SCD BP-3.1.

ERECT AND MAINTAIN CONSTRUCTION "BUMP" (W8-1-36) AND "ADVISORY SPEED" (W13-1-24) SIGNS DURING THE PERIOD THE BUTT JOINT IS LEFT OPEN. PAYMENT FOR THESE SIGNS WILL BE MADE UNDER THE LUMP SUM BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC.

## ITEM 614 - MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT                      TIME ALL LANES MUST BE OPEN TO TRAFFIC

SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$235 (FOR SR 2) AND \$135 (FOR SR 58) FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

## ITEM 614 - MAINTAINING TRAFFIC: GENERAL

MAINTAIN ONE 11' LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES.

SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT. PRIOR TO BEGINNING WORK, COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH THE LOCAL STATE HIGHWAY PATROL.

## ITEM 614 - MAINTAINING TRAFFIC: GENERAL

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 CURRENT EDITION WITH THE LATEST REVISIONS. 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.

## CONTRACTOR EQUIPMENT ACCESS AND WORK OPERATIONS

IN ADDITION TO THE REQUIREMENTS OF SECTION 614 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS THE FOLLOWING SHALL APPLY:

THE CONTRACTOR'S EQUIPMENT SHALL BE OPERATED IN THE DIRECTION OF TRAVEL WHERE PRACTICAL.

THE CONTRACTOR SHALL ARRANGE CONSTRUCTION OPERATIONS SO AS TO PREVENT ANY INTERFERENCE TO THE CONTINUOUS FLOW OF TRAFFIC. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO THE CLOSED LANES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

## ITEM 614 - MAINTAINING TRAFFIC LANE CLOSURE/REDUCTION REQUIRED

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.

## FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT UNIT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC.

## 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.

THIS ITEM IS TO BE CONSIDERED INCIDENTAL TO MAINTAINING TRAFFIC ON THE PROJECT AND WILL BE PAID FOR UNDER THE LUMP SUM CONTRACT BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC. IT 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.

## ITEM 614 - REPLACEMENT SIGN

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. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

THIS ITEM IS TO BE CONSIDERED INCIDENTAL TO MAINTAINING TRAFFIC ON THE PROJECT AND WILL BE PAID FOR UNDER THE LUMP SUM CONTRACT BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC. IT SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

## ITEM 614 - MAINTAINING TRAFFIC (ESTIMATED QUANTITIES)

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR MAINTENANCE OF TRAFFIC. INCLUDE THE COST FOR THE REMOVAL OF ALL MAINTENANCE OF TRAFFIC MATERIALS IN THE CONTRACT BID PRICE FOR EACH ITEM BELOW. REMOVE THE MATERIALS AT THE DIRECTION OF THE ENGINEER WHEN NO LONGER OPERATIONALLY NEEDED.

ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC  
250 CU YD

## RAMP WORK LIMITATIONS

RAMP WORK SHALL ONLY BE PERFORMED IN THE EVENINGS FROM 9 PM TO 6 AM. RAMP CLOSURES ARE PERMITTED. THE CONTRACTOR SHALL ONLY CLOSE ONE RAMP AT A TIME. A RAMP MAY BE CLOSED FOR ONE NIGHT, OPENED IN THE MORNING TO TRAFFIC WHILE MEETING THE DROP OFFS IN WORK ZONE REQUIREMENTS, AND THEN CLOSED AGAIN THE FOLLOWING NIGHT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE GATES AND BARRICADES AT THE END OF THE WORK AREA AS SHOWN ON STANDARD CONSTRUCTION DRAWING MT-101.60.

THE RAMPS ARE PERMITTED TO BE DETOURED AS FOLLOWS:

OAK POINT RD RAMPS  
RAMP W: SR 2 EB TO SR 58 TO SR 2 WB  
RAMP X: SR 2 EB TO SR 58 TO SR 2 WB TO OAK POINT RD  
RAMP Y: SR 2 WB TO BAUMHART RD TO SR 2 EB TO OAK POINT RD  
RAMP Z: SR 2 WB TO BAUMHART RD TO SR 2 EB

SR 58 RAMPS  
RAMP C: SR 2 EB TO MIDDLE RIDGE RD TO SR 2 WB  
RAMP D: SR 2 EB TO MIDDLE RIDGE RD TO SR 2 WB TO SR 58  
RAMP E: SR 2 WB TO OAK POINT RD TO SR 2 EB TO SR 58  
RAMP F: SR 2 WB TO OAK POINT RD TO SR 2 EB

THE FOLLOWING ESTIMATED QUANTITY BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER FOR THE RAMP CLOSURES:

ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN  
2 SIGN MONTHS



SHEET NUM.													PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED KRB	CHECKED ACM
7	8	10	11	16	17	19	20	30	31	32	33	01/NHS/P V	02/NHS/B R	03/SAF/O T									
																				MAINTENANCE OF TRAFFIC			
			600										600			614	1110	600	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE			
		250											250			614	13000	250	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC			
		2	10										12			614	18601	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	11		
								25.94					25.94			614	20560	25.94	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT			
								60.58					60.58			614	22360	60.58	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT			
													11,610			614	23690	11,610	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 12", 642 PAINT			
													3,750			614	25620	3,750	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT			
													720			614	26610	720	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT			
													63			614	30650	63	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT			
			25										25			808	18700	25	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY			
																				INCIDENTALS			
													LS	LS	LS	614	11000	LS		MAINTAINING TRAFFIC			
													4	1		619	16010	5	MNTH	FIELD OFFICE, TYPE B			
													LS	LS	LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING			
													LS			623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	8		
													LS	LS	LS	624	10000	LS		MOBILIZATION			

GENERAL SUMMARY

LOR-2-3.86

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