

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

FRA - 71 - 0.00 (PIC)

(DARBY TOWNSHIP) **JACKSON TOWNSHIP** PLEASANT TOWNSHIP FRANKLIN COUNTY (PICKAWAY COUNTY)

871-882 883-893

894-902

903-917

918-919

920-926

927-942

943-1019

1020-1030

1031-1100

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PROJECT DESCRIPTION

THIS PROJECT WILL CONSIST OF WIDENING 4.98 MILES OF I-71 FROM THE FRANKLIN/PICKAWAY COUNTY LINE NORTH TO JUST SOUTH OF THE I-71 AND SR 665 INTERCHANGE. THE PROJECT INCLUDES ADDING A THIRD LANE TO THE MEDIAN SIDE IN BOTH DIRECTIONS, REPLACING TWIN SUPER-STRUCTURES OVER THE INDIANA & OHIO RAILWAY COMPANY RAILROAD TRACKS AND US 62, AND ASSOCIATED ROADWAY, SIGNING AND DRAINAGE IMPROVEMENTS. THE PROJECT ALSO INCLUDES RECONSTRUCTION OF ALL THE RAMPS AT THE US 62 INTERCHANGE. THE PROJECT DOES NOT INCLUDE 0.31 MILE OF PREVIOUSLY CONSTRUCTED IMPROVEMENTS AT THE BIG DARBY CREEK.

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PROJECT EARTH DISTURBED AREA:	139 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	14 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	153 ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2019 SPECIFICATIONS

1031-1100 1101-1107 1108-1193 1194-1273

THE STANDARD SPECIFICATIONS OF THE STATE OF 1274-1300 OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING 1301-1312 CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

> I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

ENTAL T/17/20 4/12/20 1/18/19 10/19/18 4/20/12 10/19/18 1/19/18 1/19/18 1/19/18 1/19/18 1/19/19 1/19/19 1/19/19 1/19/19 1/19/19 1/19/19 1/19/19 1/19/19 1/19/19 1/19/19 1/17/20 1/17/20	APPROVED	FRA-71-0.00
4/11/20 0/20/17 4/21/17 4/20/12 1/19/18	APPROVED DATE DIRECTOR, DEPARTMENT OF TRANSPORTATION	1 1312

ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN CONSTRUCTION SEQUENCE

RECONSTRUCTION AND WIDENING OF I-71 SHALL BE COMPLETED OVER 3 PRIMARY PHASES AS FOLLOWS:

PRE-PHASE 1 WORK

PRIOR TO THE START OF PHASE 1, THE NORTHBOUND OUTSIDE SHOULDER AND PARTS OF THE SOUTHBOUND INSIDE AND OUTSIDE SHOULDERS MUST BE RECONSTRUCTED IN ORDER TO CARRY SHIFTED PRE-PHASE 1 AND PHASE 1 TRAFFIC. ADDITIONALLY, A 1 FOOT WIDE SECTION OF EXISTING PAVEMENT (ADJACENT TO THE SHOULDER RECONSTRUCTION) SHALL BE MILLED AND RESURFACED. SHOULDER RECONSTRUCTION AND ADJACENT RESURFACING WORK SHALL BE LIMITED TO THAT WHICH CAN BE COMPLETED IN TWO NIGHTS AS DETAILED IN THE PRE-PHASE 1 TYPICAL SECTIONS.

THE MAINLINE CROSSOVER AT THE SOUTH END OF THE PROJECT AND THE CULVERT CROSSOVERS LOCATED NEAR YOUNG RD. SHALL BE CONSTRUCTED IN CONJUNCTION WITH THE SHOULDER REPLACEMENT. ADDITIONALLY, THE EXISTING PAVEMENT JOINT UNDER THE NORTHBOUND LANE SHALL BE REPAIRED AS IT WILL FALL IN OR NEAR THE PHASE 1 WHEEL PATH (SEE ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, APP, TYPE 2). PRE-PHASE 1 WORK WILL ALSO INCLUDE REPAIRS TO THE EXISTING PAVEMENT AS DETAILED ON SHEET 13. REPAIRS MUST BE COMPLETE BY 10/15/2020 (SEE INCENTIVE/DISINCENTIVE CONTRACT TABLE ON THIS SHEET). ANY PRE-PHASE 1 WORK THAT IMPACTS TRAVEL LANES SHALL BE COMPLETED BY UTILIZING NIGHTTIME LANE CLOSURES PER ODOT SCD MT-95.30. THE LANE CLOSURES MAY ONLY BE IMPLEMENTED DURING HOURS ALLOWED AS LISTED IN THIS PLAN.

WINTER RESTRICTION

TRAFFIC SHALL NOT BE PLACED INTO PRE-PHASE 1 PART A OR B BEFORE APRIL 1" 2021 WITHOUT APPROVAL FROM THE PROJECT ENGINEER. THE CONTRACTOR MAY SUBMIT HIS OWN METHOD OF OPERATION TO ENTER INTO PHASE 1 SOUTH OF STATION 192+00 PRIOR TO APRIL 1º 2021, IN WRITING AND WITH DETAILED PLAN SHEETS TO THE PROJECT ENGINEER FOR REVIEW. THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE PROJECT ENGINEER AND DISTRICT WORK ZONE TRAFFIC ENGINEER BEFORE PROCEEDING WITH ANY MODIFIED PHASE 1.

PRE-PHASE 1 PARTS A AND B

UPON COMPLETION OF PRE-PHASE 1 TEMPORARY PAVEMENT WORK, THE CULVERT CROSSING OF NORTHBOUND I-71, JUST SOUTH OF YOUNG ROAD SHALL BE REPLACED. THIS WORK SHALL BE COMPLETED IN TWO PARTS, WITH ONE NORTHBOUND LANE MAINTAINED ON THE EXISTING NORTHBOUND SIDE, AND THE OTHER NORTHBOUND LANE MAINTAINED IN CONTRAFLOW WITH SOUTHBOUND TRAFFIC VIA THE CULVERT CROSSOVER THAT WAS CONSTRUCTED PRIOR.

PHASE 1

PHASE 1 CONSTRUCTS THE WESTERN HALF OF NORTHBOUND I-71 (PROPOSED RUMBLE STRIPS SHALL BE NON-PERFORMED). THIS WORK IS COMPLETED WITH NORTHBOUND TRAFFIC SHIFTED AWAY FROM THE WORKZONE, UTILIZING THE RECENTLY REPLACED OUTSIDE SHOULDER. ADDITIONALLY 2-LANE CROSSOVER SHALL BE CONSTRUCTED AT THE NORTH PROJECT TERMINI, AS WELL AS 2-RAMP CROSSOVERS AT THE SOUTHBOUND EXIT TO US 62. SOUTHBOUND TRAFFIC (INCLUDING RAMPS) SHALL BE MAINTAINED IN EXISTING LANES FOR THE DURATION OF PHASE 1 WORK. ALL RAMPS AT THE US 62 INTERCHANGE SHALL REMAIN OPEN DURING PHASE 1. ALL MEDIAN GRADING, SHALL BE COMPLETED IN PHASE I. ADDITIONALLY, THE TEMPORARY PAVEMENT ADJACENT TO NB-71 THAT WAS LEFT IN PLACE FROM PROJECT FRA-71-5.29 PID 84868 SHALL BE REMOVED.

PHASE 2

PHASE 2 CONSTRUCTS THE REMAINING EASTERN HALF OF NORTHBOUND I-71 (PROPOSED RUMBLE STRIPS SHALL BE NON-PERFORMED). THIS WORK IS COMPLETED WITH NORTHBOUND TRAFFIC SHIFTED AWAY FROM THE WORKZONE. UTILIZING THE RECENTLY CONSTRUCTED WESTERN HALF OF I-71. ALL SOUTHBOUND TRAFFIC (INCLUDING RAMPS) SHALL BE MAINTAINED IN EXISTING LANES FOR THE DURATION OF PHASE 2. RAMP D (NORTHBOUND EXIT RAMP TO US 62) SHALL BE CONSTRUCTED UNDER FULL CLOSURE WITH TRAFFIC DETOURED AS DETAILED WITHIN. THIS RAMP SHALL THEN BE OPENED PRIOR TO THE START OF PHASE 2A. THE NORTHBOUND ENTRANCE RAMP FROM US 62 (RAMP B) SHALL REMAIN OPEN DURING PHASE 2. RAMP B AND D CAN BE CLOSED FOR ONE WEEKEND TO COMPLETE INTERSECTION WORK.

SUB-PHASE 24

SUB-PHASE 2A CONSTRUCTS RAMP B UNDER CLOSURE (NORTHBOUND ENTRANCE RAMP FROM US 62). THIS SHALL BE COMPLETED CONCURRENTLY WITH PHASE 2, BUT SHALL NOT BE CONSTRUCTED AT THE SAME TIME RAMP D IS CLOSED. THE PHASE 2A CLOSURE SHALL BE LIMITED TO 30 DAYS MAXIMUM. THE DETOUR ROUTE HAS BEEN DETAILED WITHIN. RAMP D SHALL REMAIN OPEN WITH THE EXCEPTION OF THE PHASE 2A 30-DAY CLOSURE.

WINTERIZATION

AT THE CONCLUSION OF PHASE 2A, THE PROJECT SHALL ENTER A WINTERIZATION MODE. SOUTHBOUND TRAFFIC SHALL REMAIN IN EXISTING LANES, WHILE NORTHBOUND TRAFFIC SHALL BE OPENED TO THREE LANES AS DETAILED WITHIN. ALL RAMPS SHALL BE OPEN DURING THE WINTER SET-UP WITH THE EXCEPTION OF PRE-PHASE 3 WORK. THE WINTERIZATION SET-UP SHALL BE IN PLACE BY 10/01/2021 (SEE INCENTIVE/DISINCENTIVE CONTRACT TABLE ON THIS SHEET).

PRE-PHASE 3 WORK

DURING PRE-PHASE 3, THE RAMP A/US 62 INTERSECTION SHALL BE CONSTRUCTED UTILITIZING TWO WEEKEND CLOSURES. RAMP A (SOUTHBOUND EXIT TO US 62) AND RAMP C (SOUTHBOUND ENTRANCE RAMP FROM US 62) WILL BE DETOURED DURING THE TWO WEEKENDS AS DETAILED WITHIN. ADDITIONALLY, TEMPORARY PAVEMENT SLONG RAMP A SHALL BE CONSTRUCTED FOR USE IN PHASE 3.

IF THE CONCRETE PAVEMENT OPTION IS ULTIMATELY IMPLEMENTED, TEMPORARY PAVEMENT FROM PHASE 2 (ALONG NB INSIDE SHOULDER) SHALL BE REMOVED DURING PRE-PHASE 3. THIS WORK SHALL BE COMPLETED UNDER SHOULDER CLOSURE. THE SHOULDER CLOSURES SHALL BE PER ODOT SCD MT-95.45 EXCEPT DRUMS MAY BE USED IN PLACE OF PCB AS LONG AS DROP-OFF

REQUIREMENTS ARE MET (PER ODOT SCD MT-101.90)

PRE-PHASE 3 WORK SHALL NOT COMMENCE BEFORE APRIL 1ST, 2022 UNLESS APPROVED BY THE ENGINEER.

PHASE 3

PHASE 3 CONSTRUCTS THE MAJORITY OF SOUTHBOUND I-71. BOTH LANES OF SOUTHBOUND TRAFFIC ARE MAINTAINED BY CROSSING OVER ONTO THE NORTHBOUND SIDE OF THE FREEWAY. RAMP A (SOUTHBOUND EXIT RAMP TO US 62) SHALL ALSO BE CONSTRUCTED WITH TRAFFIC BEING MAINTAINED ON TEMPORARY PAVEMENT AND EXISTING RAMP C (SOUTHBOUND ENTRANCE RAMP FROM US 62). RAMP C (SOUTHBOUND ENTRANCE RAMP FROM US 62) SHALL REMAIN CLOSED FOR THE DURATION OF THIS PHASE. THE DETOUR ROUTE HAS BEEN DETAILED WITHIN. ADDITIONALLY, THE TEMPORARY PAVEMENT ADJACENT TO NB-71 THAT WAS LEFT IN PLACE FROM PROJECT FRA-71-5.29 PID 84868 SHALL BE REMOVED. WITH THE EXCEPTION OF THE CROSSOVERS, THE FINAL

WEARING COUNSENFOR SOUTHBOUND INT SHALL VE YEARED AT THE CONCULSION OF PHASE 3. PHASE 3 WORK SHALL NOT COMMENCE BEFORE APRIL 1ST, 2022 UNLESS APPROVED BY THE ENGINEER.

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SUB-PHASE 3A

SUB PHASE 3A CONSTRUCTS THE REMAIN PORTION OF I-71 IN THE VICINITY OF RAMP C. ALL LANES SHALL REMAIN IN THE PHASE 3 SET-UP EXCEPT THAT RAMP A IS MAINTAINED UTILIZING THE NEWLY CONSTRUCTED PAVEMENT. RAMP C (SOUTHBOUND ENTRANCE RAMP FROM US 62) SHALL REMAIN CLOSED FOR THE DURATION OF THIS PHASE. THE DETOUR ROUTE HAS BEEN DETAILED WITHIN.

POST PHASE 3

AT THE CONCLUSION OF PHASE 3 AND 3A, TRAFFIC SHALL BE MAINTAINED IN THE FINAL CONDITION ON INTERMEDIATE COURSE FOR THE WINTER OF 2022-2023. PAVEMENT MARKINGS SHALL BE PLACED IN THEIR FINAL LOCATIONS PER THE TRAFFIC CONTROL PLAN. QUANTITIES HAVE BEEN SUMMARIZED ON SHEET 19 AND CARRIED TO THE GENERAL SUMMARY.

AT THE CONCLUSION OF THE 2022-2023 WINTER, THE REMAINING EXISTING I REALIZED TO BE DESIDE SEA CONTROL THE

FULL DEPTH LIMITS) SHALL BE MILLED TO THE DEPTH SPECIFIED IN THE ROADWAY PLANS. THE FINAL WEARING COURSE OF BOTH NEWLY TRAFFIC, AS PER PLAN LUMP SUM. CONSTRUCTED AND EXISTING MILLED PAVEMENTS SHALL THEN BE INSTALLED UNLESS PREVIOUSLY CONSTRUCTED. ONCE COMPLETED, FINAL PAVEMENT MARKINGS SHALL BE APPLIED PER THE TRAFFIC CONTROL PLANS AND NON-PERFORMED RUMBLE STRIPS FROM PHASE 1 AND PHASE 2 SHALL BE INSTALLED. THIS WORK SHALL BE COMPLETED BY UTILIZING ODOT SCD MT-97.11. IN ADDITION TO THIS WORK, THE MEDIAN CABLE BARRIER SHALL BE INSTALLED PER THE ROADWAY PLANS AND TEMPORARY PAVEMENT SHALL BE REMOVED BY UTILIZING ODOT SCD MT-95.45 EXCEPT DRUMS MAY BE USED IN PLACE OF PCB AS LONG AS DROP-OFF REQUIREMENTS ARE MET (PER ODOT SCD MT-101.90).

GENERAL

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION), COPIES OF WHICH ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF TRAFFIC ENGINEERING, 1980 WEST BROAD STREET, COLUMBUS, OHIO 43223.

THE ROADWAY SHALL NOT BE OPENED TO TRAFFIC UNTIL PERMANENT TRAFFIC CONTROLS ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS, APPROVED BY THE ENGINEER, ARE INSTALLED. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING THE CONSTRUCTION. PERMANENT TRAFFIC CONTROL THAT IS NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE REPLACED IMMEDIATELY. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED AND IMPROPERLY PLACED TRAFFIC CONTROL DEVICES.

THE CONTRACTOR SHALL PROVIDE A 24 HOUR CONTACT WHO WILL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC FOR THE DURATION OF THE PROJECT.

CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TEMPORARY TRAFFIC CONTROL DEVICES ARE IN PLACE AND APPROVED BY THE ENGINEER AND THE DISTRICT.

MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES INCLUDING DRUMS, SIGNS, BARRICADES, SIGN BOARDS, DETOUR SIGNAGE, ETC., SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

STEADY-BURNING TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES IN USE AT NIGHT. ALL ADVANCE SIGNING SHALL BE EQUIPPED WITH TYPE "A" FLASHING LIGHTS AND (2) ORANGE FLAGS (24"X24"). CONES ARE NOT APPROVED FOR USE AT NIGHT. LIGHTS ARE NOT REQUIRED ON SIGNS IN PLACE DURING DAYLIGHT HOURS.

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FOR AREAS ADJACENT TO VEHICULAR TRAFFIC, OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH THE PROPER TRAFFIC CONTROL DEVICES AT ALL TIMES. DROP OFFS WITHIN THE WORK ZONE SHALL CONFORM TO THE REQUIREMENTS SET FORTH ON ODOT STANDARD CONSTRUCTION DRAWING MT-101.90.

TEMPORARY PAVEMENT WEDGE

TEMPORARY PAVEMENT WEDGES SHALL BE PROVIDED AT ALL TIMES WHERE TRAFFIC IS REQUIRED TO TRAVEL FROM OR ONTO A PAVEMENT SURFACE OF A DIFFERENT ELEVATION, AROUND MANHOLES, AT CATCH BASINS, ETC. THE MINIMUM SLOPE OF THE TEMPORARY PAVEMENT WEDGE SHALL BE 3:1 ALONG LONGITUDINAL JOINTS AND 120:1 AT TRANSVERSE JOINTS. THESE WEDGES SHALL BE REMOVED PRIOR TO PLACING THE SPECIFIED FINAL PAVEMENT COURSE. PAYMENT FOR ALL WORK, MATERIALS, ETC. ASSOCIATED WITH THIS ITEM SHALL BE PAID FOR UNDER THE ITEM 614, MAINTAINING

WEEKLY MAINTENANCE OF TRAFFIC MEETING

AFTER THE INITIAL PRE-MAINTENANCE OF TRAFFIC MEETING, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER ON A WEEKLY BASIS TO GO OVER A DETAILED MAINTENANCE OF TRAFFIC REPORT OF AT LEAST 7 CALENDAR DAYS. THIS MEETING SHOULD BE HELD ON THE SAME DAY AND TIME OF EACH WEEK.

THE CONTRACTOR WILL PROVIDE TO THE PROJECT ENGINEER A WRITTEN DETAIL OF THE INFORMATION REQUIRED BY THE NOTIFICATION OF TRAFFIC RESTRICTIONS NOTE PRIOR TO THE MEETING.

IN ADDITION TO THE DETAILED MAINTENANCE OF TRAFFIC REPORT THE CONTRACTOR SHALL GIVE A GENERAL LOOK AHEAD OF AN ADDITIONAL 2 WEEKS OF UPCOMING WORK ACTIVITES. THIS WILL INCLUDE ANY NOTIFICATION REQUIREMENTS FOR RESTRICTIONS THAT HAVE A DURATION GREATER THAN 12 HOURS.

TIME LIMITATION ON A DETOUR

INTERCHANGE RAMPS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT WHERE SPECIFIED IN THE PLANS AS OUTLINED IN THE CHART BELOW. FOR EACH RESPECTIVE DETOUR AND CLOSURE, A DISINCENTIVE SHALL BE ASSESSED FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

	WINDOW CONTRACT TABLE					
	DISINCENTIVE PER DAY	MAXIUM DURATION OF CLOSURE	PHASE	RAMP (MOVEMENT)		
	\$4,600	2-WEEKENDS (7PM FRI-7AM MON)	PRE-PHASE 3	RAMP A (I-71 SB TO US 62)		
0	\$7,400	30 DAYS	PHASE 2A	RAMP B (US-62 TO I-71 NB)		
0,00	\$\$1,100	2-WEEKENDS	PRE-PHASE 3	RAMP C (US 62 TO I-71 SB)		
1 1						

INCENTIVE/DISINCENTIVE CONTRACT TABLE

SCRIPTION OR LOCATION	COMPLETION DATE	TIME PERIOD	DISINCENTIVE \$ PER TIME PERIOD	RA
COMPLETE PHASE 2 AND IMPLEMENT WINTERIZATION SET-UP	10/01/2021	DAY	\$6,000	L L
PHASE 3	10/31/2022	DAY	\$3,200	
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LANES OPEN DURING HOLIDAYS AND SPECIAL EVENTS

NO WORK SHALL BE PERFORMED AND THE SAME NUMBER OF LANES AS WERE AVAILABLE AT THE START OF THE PROJECT SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

HOLIDAYS CHRISTMAS FOURTH OF JULY NEW YEAR'S EVE 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 FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY	TIMES ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00 NOON FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00 NOON FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00 NOON MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00 NOON TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00 NOON WEDNESDAY THROUGH 6:00 AM FRIDAY
THANKSGIVING	5:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00 NOON THURSDAY THROUGH 6:00 AM MONDAY
SA TURDA Y	12:00 NOON FRIDAY THROUGH 6:00 AM MONDAY

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA WIDE.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

PERMITTED LANE CLOSURES

THE EXISTING NUMBER OF LANES IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING PERIODS OF WORK AT WHICH TIME LANES MAY BE CLOSED IN ACCORDANCE WITH THE LANE VALUE CONTRACT TABLE FOR EACH LOCATION UNLESS OTHERWISE SHOWN IN THE PLANS.

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 WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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, AS PER PLAN, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

PUBLIC OUTREACH AND NOTIFICATION (ROAD CLOSURE)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE DISTRICT 6 PUBLIC INFORMATION OFFICE VIA EMAIL AT DO6.PIO@DOT.STATE.OH.US TO COORDINATE EFFORTS TO NOTIFY ALL LOCAL COUNTY, STATE AND FEDERAL EMERGENCY SERVICES, SCHOOL DISTRICTS AND ADJACENT RESIDENTS AND BUSINESSES OF THE UPCOMING CLOSURE. ADVANCE NOTIFICATION SHALL OCCUR NO LATER THAN FOURTEEN (14) DAYS PRIOR TO CLOSING THE ROAD. IT, SUBSEQUENT TO THE ADVANCE NOTIFICATION, THE START DATE IS CHANGED, THAN A NEW SEVEN (7) DAY NOTIFICATION WILL BE REQUIRED. THE ROAD CANNOT BE CLOSED UNLESS PRIOR NOTIFICATION HAS BEEN ACCOMPLISHED. THE SAME PARTIES SHALL BE NOTIFIED WHEN THE CLOSURE HAS CONCLUDED AND THE ROAD IS BACK OPEN TO TRAFFIC. ALL NOTIFICATIONS SHALL BE MADE UTILIZING THE TEMPLATE PROVIDED BY THE DISTRICT 6 PUBLIC NOTIFICATION OFFICE.

PUBLIC OUTREACH AND NOTIFICATION (RESURFACING PROJECTS)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE DISTRICT 6 PUBLIC INFORMATION OFFICE VIA EMAIL AT D06.PIO@DOT.STATE.OH.US TO COORDINATE EFFORTS TO NOTIFY ADJACENT RESIDENTS AND BUSINESSES OF THE UPCOMING RESURFACING PROJECT. ADVANCE NOTIFICATION SHALL OCCUR NO LATER THAN FOURTEEN (14) DAYS PRIOR TO THE FIRST DAY OF WORK. ALL NOTIFICATIONS SHALL BE MADE UTILIZING THE TEMPLATE PROVIDED BY THE DISTRICT 6 PUBLIC NOTIFICATION OFFICE.

NOTICE OF CLOSURE SIGN

NOTICE OF CLOSURE SIGNS, W20-H13, SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDNACE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.LAT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.J

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP 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. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTIFICATION TIME FRAME TABLE

NOTIFICATION TIME FRAME TABLE					
	ITEM	DURATION OF CLOSURE	SIGN DISPLAY TO PUBLIC	NOTIFICATION DUE TO DISTRICT 6 COMMUNICATIONS OFFICE	
	RAMP & ROAD CLOSURES	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	21 CALENDAR DAYS PRIOR TO CLOSURE	
		>12 HOURS & <2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE	14 CALENDAR DAYS PRIOR TO CLOSURE	
		<12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE	4 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-HI3 SIGN SHALL DISPLAY THE PHONE NUMBER OF THE DISTRICT 6 PUBLIC INFORMATION CONSTRUCTION LINE, (740)833-8268, WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION.

NOTIFICATION 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 SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE PIO (D06.PIO@DOT.OHIO.GOV). 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 FRAME TABLE						
ІТЕМ	DURATION OF CLOSURE	<i>NOTIFICATION DUE TO DISTRICT 6 COMMUNICATIONS OFFICE</i>	SIGN DISPLAYED TO PUBLIC			
	>=2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE	14 CALENDAR DAYS PRIOR TO CLOSURE			
RAMP & ROAD CLOSURES	>12 HOURS & <2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	7 CALENDAR DAYS PRIOR TO CLOSURE			
	<12 HOURS	<i>4 BUSINESS DAYS PRIOR TO CLOSURE</i>	2 BUSINESS DAYS PRIOR TO CLOSURE			
LANE CLOSURE	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE				
RESTRICTIONS	<2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE				
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N∕A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION				

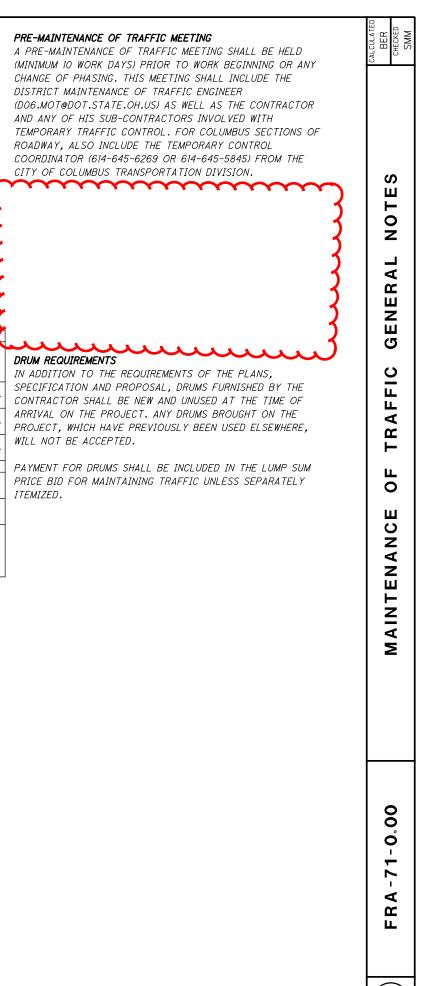
ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME FRAME TABLE.

NOTIFICATION OF CONSTRUCTION INITIATION

AT LEAST FOURTEEN DAYS PRIOR TO STARTING INITIAL CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ADVISE THE DISTRICT OFFICE OF COMMUNICATIONS VIA EMAIL AT D06.PIO@DOT.OHIO.GOV, THE DISTRICT WORK ZONE TRAFFIC MANAGER VIA EMAIL AT DO6.MOT@DOT.OHIO.GOV AND THE CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION VIA EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV OF THE ANTICIPATED START DATE OF ANY CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE PLACING OF WORK ZONE SIGNS. THE NOTIFICATION SHALL ALSO INCLUDE THE PROJECT NUMBER. PID. NAME AND PHONE NUMBER OF THE CONTRACTOR. A POINT OF CONTACT AND THE ANTICIPATED IMPACT ON TRAFFIC. THE CONTRACTOR WILL IMMEDIATELY INFORM THE DISTRICT OFFICE OF COMMUNICATIONS AND THE DISTRICT WORK ZONE TRAFFIC MANAGER OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION INITIATION DATE.

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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 PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN.

PAYMENT

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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, AS PER PLAN, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ESTIMATED QUANTITIES

FOR THE ASPHALT OPTION, A WEDGE COURSE SHALL BE INSTALLED AT THE CONCLUSION OF PHASE 1 AND PHASE 2 TO PROVIDE A SMOOTH TRANSITION APPROACHING AND DEPARTING THE APPROACH SLABS/BRIDGE DECKS. THIS TRANSITION SHALL BE AT A MINIMUM OF 120:1. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 144 CU. YD.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 962 M. GAL.

WINTERIZATION 2022-2023 MARKINGS

4	THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO	THE GENERAL
00	SUMMARY FOR USE DURING THE 2022-2023 WINTER PER LOCATIC	NS OF THE
01MN00	TRAFFIC CONTROL PLAN.	
201		
1072	CONCRETE OPTION	
	ITEM 614, WORK ZONE RAISED PAVEMENT MARKER	1094 EACH
sheets	ITEM 614, WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	40 EACH
she	ITEM 646, EDGE LINE	25.58 MILE
\mot\	ITEM 646, LANE LINE	21.76 MILE
	ITEM 646, CHANNELIZING LINE	4051 FT
201	ITEM 646, DOTTED LINE, 6″	4714 FT
\sim		
A \ 10	ASPHALT OPTION	
FR/	ITEM 614, WORK ZONE RAISED PAVEMENT MARKER	210 EACH
T	ITEM 614, WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	924 EACH
00	ITEM 644, EDGE LINE	25.58 MILE
2	ITEM 644, LANE LINE	22.08 MILE
212	ITEM 644, CHANNELIZING LINE	4051 FT
30	ITEM 644, DOTTED LINE, 6″	4714 FT
6		

ITEM 614, REPLACEMENT SIGN

FLATSHEET 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.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 10 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

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.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND 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.

AN ESTIMATED QUANTITY OF 300 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

WORK ZONE SPEED ZONES (WZSZS)

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSW REVISION NUMBER	COUNTY-ROUTE-SECTION	DIRECTION
WZ-35645	FRA-71-0.00	NORTHBOUND
WZ-35645	FRA-71-0.00	SOUTHBOUND

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

WZSZS USING TEMPORARY FLATSHEET SPEED LIMIT SIGNS SHALL BE IN ACCORDANCE WITH THIS NOTE AND SCD MT-104.10. ADDITIONALLY PAYMENT MAY BE REMOVED, OR A DISINCENTIVE APPLIED, FOR WZSZS USING TEMPORARY FLATSHEET SPEED LIMIT SIGNS THE SAME AS DESCRIBED IN THE MOST RECENT PUBLICATION OF SS 808 IN REGARDS TO WZSZS USING DSL SIGN ASSEMBLIES (SEE SS 808.06 PARAGRAPHS 4 THROUGH 7, INCLUDING TABLE 1). ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRE-CONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH-SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

ORIGINAL POSTED SPEED LIMIT SLM 0.00 TO SLM 4.2570 MPH SLM 4.25 TO SLM 5.2965 MPH

ORIGINAL	W/ POSIT.	IVE PROT.	W/OUT POS	ITIVE PROT.
POSTED SPEED LIMIT	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, WORK ZONE SPEED LIMIT SIGN 4 EACH ASSUMING 4 SIGNS (WINTERIZATION)

ITEM 614, DIGITAL SPEED LIMI	T (DSL) SIGN ASSEMBLY
160 SIGN MNTH	
ASSUMING 2 DSL SIGN AS	SEMBLIES FOR 2 MONTHS
(PRE-PHASE 1. PARTS A 8	B)
ASSUMING 7 ĎSL SIGN AS	SEMBLIES FOR 4 MONTHS
(PHASE 1)	
ASSUMING 8 DSL SIGN AS	SEMBLIES FOR 4 MONTHS
(PHASE 2)	
ASSUMING 12 DSL SIGN AS	SEMBLIES FOR 8 MONTHS
(PHASE 3)	

WORK ZONE INCREASED PENALTIES SIGN (R11-H5A)

RII-H5A-48 SIGNS SHALL BE FURNISHED, ERECTED, AND MAINTAINED IN GOOD CONDITION AND/OR REPLACED AS NECESSARY AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SIGNS SHALL BE MOUNTED AT THE APPROPRIATE OFFSETS AND ELEVATIONS AS PRESCRIBED BY THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THEY SHALL BE MAINTAINED ON SUPPORTS MEETING CURRENT SAFETY CRITERIA.

THE SIGNS MAY BE ERECTED OR UNCOVERED NO MORE THAN FOUR HOURS BEFORE THE ACTUAL START OF WORK. THE SIGNS SHALL BE REMOVED OR COVERED NO LATER THAN FOUR

HOURS FOLLOWING RESTORATION OF ALL LANES TO TRAFFIC WITH NO RESTRICTIONS, OR SOONER AS DIRECTED BY THE ENGINEER. TEMPORARY SIGN COVERING AND UNCOVERING DUE TO TEMPORARY LANE RESTORATIONS SHALL BE GUIDED BY THE FOUR-HOUR LIMITATIONS STATED ABOVE. SUCH LANE RESTORATIONS SHOULD BE EXPECTED TO REMAIN IN EFFECT FOR 30 OR MORE CONSECUTIVE CALENDAR DAYS, SUCH AS DURING WINTER SHUT-DOWNS. (THE SIGNS ON THE MAINLINE SHALL BE DUAL MOUNTED UNLESS NOT PHYSICALLY POSSIBLE. THE FIRST SIGN SHALL S BE PLACED BETWEEN THE ROAD WORK AHEAD (W20-1) SIGN AND ш THE NEXT SIGN IN THE SEQUENCE. SIGNS SHALL BE ERECTED ⊢ ON EACH ENTRANCE RAMP AND EVERY 2 MILES THROUGH THE 0 CONSTRUCTION WORK LIMITS. SIGNS ON THE MAINLINE SHALL Ζ BE R11-H5A-48. SIGNS USED ON THE RAMPS SHALL BE R11-H5A-24. R11-H5A-24 SIGNS MAY BE USED IN THE MEDIAN IN LIEU OF R11-H5A-48 SIGNS IF IT IS NOT PHYSICALLY ◄ POSSIBLE TO PROVIDE R11-H5A-48 SIGNS IN THE MEDIAN.) £ ш THE R11-H5A-48 SIGNS SHALL BE MOUNTED ON 2 NO. 3 POSTS Ζ WHEN LOCATED WITHIN CLEAR ZONES. ш G THE CONTRACTOR MAY USE SIGNS AND SUPPORTS IN USED, BUT GOOD, CONDITION PROVIDED THE SIGNS MEET CURRENT C ODOT SPECIFICATIONS. SIGN FACES SHALL BE RETROREFLECTORIZED WITH TYPE G SHEETING COMPLYING ш WITH THE REQUIREMENTS OF C&MS 730.19. ш ۷ WORK ZONE INCREASED PENALTIES SIGNS AND SUPPORTS WILL £ BE MEASURED AS THE NUMBER OF SIGN INSTALLATIONS, H INCLUDING THE SIGN AND NECESSARY SUPPORTS. IF A SIGN AND SUPPORT COMBINATION IS REMOVED AND REERECTED AT LL. ANOTHER LOCATION AS DIRECTED BY THE ENGINEER, IT SHALL 0 BE CONSIDERED ANOTHER UNIT. ш PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE, IN PLACE S WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL Ζ BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, ∢ INCIDENTALS AND EQUIPMENT FOR FURNISHING, ERECTING, Z Ш MAINTAINING, COVERING DURING SUSPENSION OF WORK, AND REMOVAL OF THE SIGN AND SUPPORT. H AIN ITEM 614, WORK ZONE INCREASED PENALTIES SIGN 40 EACH WORK ZONE INCREASED PENALTIES SIGNS WILL BE PLACED AT Σ THE LOCATIONS DETAILED IN THE PLANS. ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL OR BIDIRECTIONAL) THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN 0 THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S ŏ SPECIFICATIONS. Ó THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED **T** UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT. ~ WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE ◄ CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS. Υ ш WHEN GATING IMPACT ATTENUATORS ARE DESIRED. THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE. 19 1312

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	SHEET NO.	PHASE	HAZARDS, UNIDIRECTIONAL) HAZARDS, UNIDIRECTIONAL)	THE WORK ZONE RAISED PAVEMENT	WORK ZONE RAISED PAVEMENT WORK ZONE RAISED PAVEMENT PAMARKER, AS PER PLAN	E BARRIER REFLECTOR, TYPE I CONE-WAY)	HAD OBJECT MARKER, ONE-WAY	MORK ZONE EDGE LINE, CLASS I, 6", 807	H WORK ZONE DOTTED LINE, CLASS I, 12", 642 PAINT	H WORK ZONE STOP LINE, CLASS I, 642 PAINT	H WORK ZONE GORE MARKING, CLASS II, 642 PAINT	PORTABLE BARRIER, UNANCHORED		EDGE LINE, 6"	TIME , 6"	CHANNELIZING LINE, 12"	LA DOTTED LINE, 6"		
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373 543 54 73 34 360 1 55 1 <th< td=""><td></td><td></td><td>EACH</td><td>EACH</td><td>EACH</td><td>EACH</td><td>EACH</td><td>F1</td><td>FI</td><td>F /</td><td>F I</td><td>F I</td><td></td><td>MILE</td><td>MILE</td><td>MILE</td><td>MILE</td><td>- 1-</td><td></td></th<>			EACH	EACH	EACH	EACH	EACH	F1	FI	F /	F I	F I		MILE	MILE	MILE	MILE	- 1 -	
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Mode with point					3								5					<u>-</u> 5-	
9 C37 700	381	PHASE 3A	1					1847			155		5					3	
9 037 PM02 29 92 1		PHASE 3A			15			305	305				<u>۶</u>					<u>-</u>	
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SHEET 392 2 210 993 1 133 31 1.30 MILE 420 16 155 2,410 23.38 MILE 21.18 MILE 4031 4114				1										05 55 5 5	01.70.1.1			5	\rightarrow
			2			153	51	1.50 MILE	420	16	155	2,410		25.58 MILE	21.76 MILE	4051	4/14	2	
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		[ſ	1	SHEET	NUM.	1			1	1		PA	RT.	1	ІТЕМ	ITEM	GRAND	UNIT	
11	13	399	400	401	402	407	408	410	927	928	1275	01/IMS/PV	02/NHS/PV	03/IMS/BR	04/IMS/BR		EXT	TOTAL		
		38							177			215				601	11000	215	SY	RIPRAP, TYPE D
							287							287		601	20001	287	SY	CRUSHED AGGREGATE SL
	4	191										195				601	21050	195	SY	TIED CONCRETE BLOCK
		321										321				601	21060	321	SY	TIED CONCRETE BLOCK
									41			41				601	23000	41	SY	ARTICULATING CONCRET
									65			65				601	32000	65	СҮ	ROCK CHANNEL PROTEC
		4								15		19				601	32100	19	CY	ROCK CHANNEL PROTEC
-		44								36		80				601	32200	80	CY	ROCK CHANNEL PROTEC
3 28,125												2 22,500	1 5,625			659 659	00100 00300	3 28,125	EACH CY	SOIL ANALYSIS TEST TOPSOIL
20,125												22,500	5,625			009	00300	20,125		TOPSOIL
						253,382						202,705	50,677			659	10000	253,382	SY	SEEDING AND MULCHING
12,669												10,135	2,534			659	14000	12,669	SY	REPAIR SEEDING AND MU
2,669												10,135	2,534			659	15000	12,669	SY	INTER-SEEDING
35.33												28.32	7.01			659	20000	35.33	TON	COMMERCIAL FERTILIZE
52.35												41.84	10.51			659	31000	52.35	ACRE	LIME
1,403												1,122	281			659	35000	1,403	MGAL	WATER
570												456	114			659 659	40000	570	MGAL	MOWING
010					35,197							1,759	33,438			670	00700	35,197	SY	DITCH EROSION PROTEC
					1,655					97		1,402	350			670	00710	1,752	SY	DITCH EROSION PROTEC
								LS				LS				832	15001	LS		STORM WATER POLLUTIO
								LS				LS				832	15002	LS		STORM WATER POLLUTIO
								LS				LS	070 511			832	15010	LS	F 1 0.1	STORM WATER POLLUTIC
								930,000		40		697,500	232,500			832	30000	930,000	EACH	EROSION CONTROL
										48 203		48 203				836 836	10000 10030	48 203	SY SY	SEEDING AND EROSION (SEEDING AND EROSION (
										203		203				010	10030	203	51	SEEDING AND ERUSION (
									LS			LS				503	11101	LS		COFFERDAMS AND EXCAN
									LS			LS				503	21300	LS		UNCLASSIFIED EXCAVATI
									3,669			3,669				509	10000	3,669	LB	EPOXY COATED REINFOR
									49			49				511 511	46001	49 35	SY	CLASS OCI CONCRETE, F
									35			35				511	46510	35	CY	CLASS QC1 CONCRETE, F
									51			51				512	10050	51	SY	SEALING OF CONCRETE
									173			173				512	33000	173	SY	TYPE 2 WATERPROOFING
									181 33			181 33				512 516	33010 13600	181 33	SY SF	TYPE 3 WATERPROOFING 1" PREFORMED EXPANSIO
									55			55				510	13000	55		
_									LS			LS				518	21230	LS		POROUS BACKFILL WITH
\frown	r Y Y		r Y Y	\sim	ΓΥΥ	YYY	\sim	YYY				88		YYY		802	2000	(189)	(Ch)	CONCRETE MASONRY
\mathcal{L}	\sim	14.34	$\overline{\mathbf{u}}$		L.		$\overline{\mathbf{u}}$		\sim		L.	\$5.762	28,587	\mathcal{L}			LUNON	114,349		STALLOW RIPE UNDER
		1,140										855	285			605	11101	1,140	FT	6" SHALLOW PIPE UNDEF
	50	3,644										2,770	924			605	13300	3,694	FT	6" UNCLASSIFIED PIPE L
		109,491										82,118	27,373			605	14000	109,491	FT	6" BASE PIPE UNDERDRA
											464	464				605	31101	464	FT	AGGREGATE DRAINS, AS
			9,371									7,028	2,343			611	00510	9,371	FT	6" CONDUIT, TYPE F FO
	50											50				611	01500	50	FT	6" CONDUIT, TYPE F
			693									472	221			611	05900	693	FT	15" CONDUIT, TYPE B
			690									634	56			611	05900	690	FT	15" CONDUIT, TYPE B, 7
			5,757									863	4,894			611	06100	5,757	FT	15" CONDUIT, TYPE C
			90									13	77			611	06100	90	FT	15" CONDUIT, TYPE C, 7
			88									70	18			611	06700	88	FT	15" CONDUIT, TYPE F, 7
			210									168	42			611	06700	210	FT	15" CONDUIT, TYPE F, 7
			1.000									1.000				611	07400	1.000	гт	
			1,090 226									1,090 226				611 611	07400 07400	1,090 226	FT FT	18" CONDUIT, TYPE B 18" CONDUIT, TYPE B, 7
			220									1,504	942			611	07400	220	FT	18" CONDUIT, TYPE C
			56									56	572			611	07600	56	FT	18" CONDUIT, TYPE C, 7
			20									20				611	07600	20	FT	18" CONDUIT, TYPE C, 7
																	-			

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DESCRIPTION	SEE Sheet No.	CALCULATED DCB CHECKED DLW
EROSION CONTROL		
SLOPE PROTECTION, AS PER PLAN CK MAT, TYPE 1	1112, 1197	
CK MAT, TYPE 2 RETE BLOCK REVETMENT SYSTEM, TYPE 1		
ECTION, TYPE A WITH FILTER ECTION, TYPE B WITH FILTER ECTION, TYPE C WITH FILTER		
NG		
MULCHING		
ZER		SUMMARY
TECTION		M
TECTION MAT, TYPE A ITION PREVENTION PLAN, AS PER PLAN	410	S UI
ITION PREVENTION INSPECTIONS ITION PREVENTION INSPECTION SOFTWARE	410	
N CONTROL WITH TURF REINFORCING MAT, TYPE 1 N CONTROL WITH TURF REINFORCING MAT, TYPE 3		GENERAL
DRAINAGE		Ш
CAVATION BRACING, AS PER PLAN ATION	937 937	•
FORCING STEEL C, RETAINING/WINGWALL NOT INCLUDING FOOTING, AS PER PLAN C, FOOTING	937	
TE SURFACES (NON-EPOXY) ING		
ING		
SION JOINT FILLER		
ITH GEOTEXTILE FABRIC)	
DERDRAINS, AS PER PLAN	943	
E UNDERDRAINS DRAINS		
AS PER PLAN		
FOR UNDERDRAIN OUTLETS		00
		A - 71 - 0.00
, 706.02		71
, 706.02 , 707.05, TYPE C		- -
, 707.05, TYPE C OR 707.21		R
700.00		ш
, 706.02		
, 706.02 , 706.08		385
		1312

	1				SHEET	F NUM.		•	•	•			PA	RT.		ITEM	ITEM	GRAND	UNIT	
28	29	30	31	32	33	34	35	36	37	38	39	01/IMS/PV	02/NHS/PV	03/IMS/BR	04/IMS/BR	1160	EXT	TOTAL		
																				CONCRETE OPTION
1,500												750	750			614	11110	1,500	HOUR	LAW ENFORCEMENT
	4	5		4	2							13	2			614	12380	15	EACH	WORK ZONE IMPACT
	4	1										5				614	12384	5	EACH	WORK ZONE IMPACT
LS		LS		LS								LS	LS			614	12420	LS		DETOUR SIGNING
12												6	6			614	12470	12	EACH	WORK ZONE SPEED L
40												20	20			614	12484	40	EACH	WORK ZONE INCREAS
10												5	5			614	12500	10	EACH	REPLACEMENT SIGN
100												50	50			614	12600	100	EACH	REPLACEMENT DRUM
3	2			(\sim						(Y 5Y				614	12756	$\mathbf{\gamma}$	EACH	WORK ZONE CROSSO
	8	587	566	574	1,152	γ						2,677	210			614	12800 🖌	2,887	Z EACH	WORK ZONE RAISED F
				(く							く				(
	2,014	519	40	804	94)						3,185	286			614	12801	3,471	T EACH	WORK ZONE RAISED F
	1,759	3,551	51	3,753	158							7.965	1,302			614	13310 🗸	19267 L		BARRIER REFLECTOR
	68	14		128								167	43			614	13312	210	EACH	BARRIER REFLECTOR
	684	1,222		279	51							2,126	110			614	13350	2,236	EACH	OBJECT MARKER, ONE
	14		17									31				614	13360	31	EACH	OBJECT MARKER, TWO
180,000												180,000				614	18000	180,000	EACH	MAINTAINING TRAFFIC
22												11	11			614	18601	22	SNMT	PORTABLE CHANGEA
	4.73	5.06		10.52								16.8	3.51			614	20056	20.31	MILE	WORK ZONE LANE LIN
5.54	14.85	13.57		23.74	1.5							50.79	8.41			614	22056	59.2	MILE	WORK ZONE EDGE LIN
	9,083	5,703		5,546								18,483	1,849			614	23110	20,332	FT	WORK ZONE CHANNE
	3,003	3,703		3,340								10,400	1,043				20110	20,332		
	1,460	1,200		2,488	420							4,599	969			614	24208	5,568	FT	WORK ZONE DOTTED
				142									142			614	25210	142	FT	WORK ZONE TRANSVE
		25		14	16							45	10			614	26200	55	FT	WORK ZONE STOP LIN
	212			156	155							419	104			614	28200	523	FT	WORK ZONE GORE MA
LS												LS				615	10001	LS		ROADS FOR MAINTAIN
14,471	20,350			1,543								35,850	514			615	20000	36,364	SY	PAVEMENT FOR MAIN
37,907	290			376								38,448	125			615	20001	38,573	SY	PAVEMENT FOR MAIN
300												300				615	25001	300		PAVEMENT FOR MAIN
6,844												6,844				615	25001	6,844	SY	PAVEMENT FOR MAIN
0.000												0.000				045	05004	0.000	0)(
2,000												2,000				615	25001	2,000	SY	PAVEMENT FOR MAIN
500												500	10.1			615	25001	500	SY	PAVEMENT FOR MAIN
962												481	481			616	10000	962	MGAL	WATER
	30,220	58,510		32,820	2,410							112,217	11,743			622	41100	123,960	гт	
	480	480		32,020	2,410							960	11,743			622	41100	960	FT FT	PORTABLE BARRIER, I
	1,380	400		28,790								20,573	9,597			622	80000	30,170	FT	GLARE SCREEN
	1,300			20,730								20,373	3,331			022	00000	30,170		GLARE SOREEN
			1.38									1.38				644	00104	1.38	MILE	EDGE LINE, 6"
			0.87									0.87				644	00204	0.87	MILE	LANE LINE, 6"
			0.01	(\sim											011	00201	YYY		
			11.97		25.58	$\boldsymbol{\lambda}$						37.55	5			646	10010	37.55	MILE	EDGE LINE, 6"
			10.56	(21.76							32.32	2			646	10110	32.32	MILE	LANE LINE, 6"
			1,622		4,051	·)						5,673)			646	10310	5,673	FT	CHANNELIZING LINE, 1
			25		1,001	<u>۲</u>						23	/			646	10400	1 JE 1	FT	STOP LINE
				(2						$\overline{\mathbf{N}}$				\sim	\sim	\sim	$\overline{\mathbf{x}}$	m
					4,714)						4,714	<u>አ</u>			646	20504	4,714	FT	DOTTED LINE, 6"
			1,879		ג ג	P						1879				64	20510	1.889		DOTTAD LINE 12"
18			,									18				SPECIAL	64620710	18		AIR SPEED ZONE MAR
160												80	80			808	18700	160		DIGITAL SPEED LIMIT
																				ASPHALT OPTION
						1,500						750	750			614	11110	1,500	HOUR	LAW ENFORCEMENT (
							4	6		4	2	13	3			614	12380	16	EACH	WORK ZONE IMPACT
							4	1				5				614	12384	5	EACH	WORK ZONE IMPACT
						LS		LS		LS		LS	LS			614	12420	LS		DETOUR SIGNING
						12						6	6			614	12470	12	EACH	IWODK ZONE ODEED L
						40						20	20			614	12470	40		WORK ZONE SPEED L WORK ZONE INCREAS

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DESCRIPTION	SEE SHEET NO.	CALCULATED DCB CHECKED DLW
MAINTENANCE OF TRAFFIC		
OFFICER WITH PATROL CAR FOR ASSISTANCE		
ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)		
LIMIT SIGN		
SED PENALTIES SIGN		
M		
OVER LIGHTING SYSTEM		
PAVEMENT MARKER		
PAVEMENT MARKER, AS PER PLAN	21	
R, TYPE 1, ONE-WAY		
R, TYPE 2, ONE-WAY		
NE WAY		
NO WAY		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
IC, MISC.: BRIDGE DECK AND PAVEMENT PATCHING	22	A F
ABLE MESSAGE SIGN, AS PER PLAN	22	5
INE, CLASS I, 6", 807 PAINT	20	4
INE, CLASS I, 6", 807 PAINT		SUMMARY
ELIZING LINE, CLASS I, 12", 807 PAINT		GENERAL
D LINE, CLASS I, 12", 642 PAINT		ц Ц
		Ξ
VERSE/DIAGONAL LINE, CLASS II, 642 PAINT		G
INE, CLASS I, 642 PAINT //ARKING, CLASS II, 642 PAINT		
VIARNING, CLASS II, 042 PAINT		
INING TRAFFIC, AS PER PLAN	22	
NTAINING TRAFFIC, CLASS A		
NTAINING TRAFFIC, CLASS A, AS PER PLAN	22	
NTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 1	23	
NTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 2	23	
NTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 3	23	
NTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 4	23	
, UNANCHORED		
, ANCHORED		
, 12"		A - 71-0.00
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4		
		. 7
RKING	23	-
T (DSL) SIGN ASSEMBLY		RA
OFFICER WITH PATROL CAR FOR ASSISTANCE		
ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)		
ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)		
		392
		1312
SED PENALTIES SIGN		

					SHEET	T NUM.			PART.		1754	ITEM	GRAND		DECODIDITION	SEE	
28	34	35	36	37	38	39	01/IMS/PV	V 02/NH	HS/PV 03/IMS/BR	04/IMS/BR	ITEM	ЕХТ	TOTAL	UNIT	DESCRIPTION	SHEET NO.	CALCL
	10						5	5	5		614	12500	10	EACH	REPLACEMENT SIGN		-Г
	100						50	_	0		614	12600	100	EACH	REPLACEMENT DRUM		-
	3	2						4			614	12756 🧹	\sim	EACH	WORK ZONE CROSSOVER LIGHTING SYSTEM		_
		5	18	105	14	210	347	5	ō		614	12800	352	Z EACH	WORK ZONE RAISED PAVEMENT MARKER		
		2,144	829	608	1,362	993	5,482	45	54		614	12801	5,936	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	21	
								\mathcal{V}					\mathcal{T}				
	144						144				614	13000	144	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC		
		1,840	2,134	51	3,753	153	5,328	2,6	503		614	13310	7,931	EACH	BARRIER REFLECTOR, TYPE 1, ONE-WAY		
		156	14		128		255	_	3		614	13312	298	EACH	BARRIER REFLECTOR, TYPE 2, ONE-WAY		
		775	713		279	51	1,708	110	0		614	13350	1,818		OBJECT MARKER, ONE WAY		_
		14		17			31				614	13360	31	EACH	OBJECT MARKER, TWO WAY		_
	100.000							_			614	10000	100.000	5400			_
	180,000						180,000	-			614	18000	180,000		MAINTAINING TRAFFIC, MISC.: BRIDGE DECK AND PAVEMENT PATCHING	22	_
	22	1.66	E 17		10.50		11		51		614	18601	22	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	20	_
		4.66	5.13		10.52		16.8	3.	.51		614	20056	20.31	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT		-
	5.79	15.06	13.48		23.78	1.5	51.18	8.4	43		614	22056	59.61	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT		-
	5.15	13.00	13,40		23.10	1.0	31.10	0	-5			22030	55.01	WILL	NOW ZONE EDGE EINE, CEASS I, O, OUT FAINT		-
					1			+									+
		10,006	4,009		5,546		17,712	1,8	349		614	23110	19,561	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT		\neg
		,	,		.,			1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									\neg
		1,460	1,200		2,488	420	4,599	96	69		614	24208	5,568	FT	WORK ZONE DOTTED LINE, CLASS I, 12", 642 PAINT		-
					142		95	4	7		614	25210	142	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS II, 642 PAINT		
			25		14	16	45	-	0		614	26200	55	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT		_
		212			156	155	419	10)4		614	28200	523	FT	WORK ZONE GORE MARKING, CLASS II, 642 PAINT		
								_									
	LS	4 17 0					LS	_	S		615	10001	LS		ROADS FOR MAINTAINING TRAFFIC, AS PER PLAN	22	_
	19,429	4,130			1,543		24,588		14		615	20000	25,102		PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A		_
	36,888	286			376		37,425	12	25		615	20001	37,550		PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	22	_
	300						300				615 615	25001 25001	300		PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 1	23	_
	6,844						6,844	-			610	25001	6,844	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 2	23	-
	2,000						2,000	-			615	25001	2,000	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 3	23	-
	500						500	_			615	25001	500	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS FER FEAN, THE S	23	-
	000							_			010	20001		51			-
	962						481	48	81		616	10000	962	MGAL	WATER		-
																	_
		30,060	32,710		32,820	2,410	86,257	11,7	743		622	41100	98,000	FT	PORTABLE BARRIER, UNANCHORED		
		480	480				960				622	41110	960	FT	PORTABLE BARRIER, ANCHORED		
		1,380			28,790			9,5	597		622	80000	30,170	FT	GLARE SCREEN		
								$\boldsymbol{\lambda}$				(\mathbf{X}				
				11.65		25.58	11.65				644	00104	37.23		EDGE LINE, 6"		
				11.11		21.76	11.11	1			644	00204	32.87	MILE	LANE LINE, 6"		_
				1,622	(.	4,051	1,622	\prec		(644	00404	5,673		KHANKELKINKLINE, X		_
				1 057	<u></u>	4,714	4,714	\mathcal{V}		Y	644	01510	4714		DOTTED LINE, 6"		
				1,653			1.6%	1—			1641 J		N.BU		DATTAL INE 12"		_
				1.00			1.00	_			646	10.010	1.00				_
				1.69 0.3			1.69	_			646 646	10010 10110	1.69 0.3	MILE	EDGE LINE, 6" LANE LINE, 6"		-
				25			25				646	10400	25	FT	STOP LINE		-L
				226			226				646	20510	226		DOTTED LINE, 12"		-
	18			220			18				SPECIAL	64620710	18		AIR SPEED ZONE MARKING	23	-
	10						10				SILCIAL	01020110	10	LACIT		25	-
	160						80	80	0		808	18700	160	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY		-
														_			-
															INCIDENTALS		
							LS				108	10000	LS		CPM PROGRESS SCHEDULE		
	LS						LS	LS	S		614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN	16	
						+ $+$ $+$ $+$	24	_			619	16021	24	MNTH	FIELD OFFICE, TYPE C, AS PER PLAN	13	4
						+ $+$ $+$ $+$	LS				623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING		
							LS	_			624	10000	LS		MOBILIZATION		_
																	_
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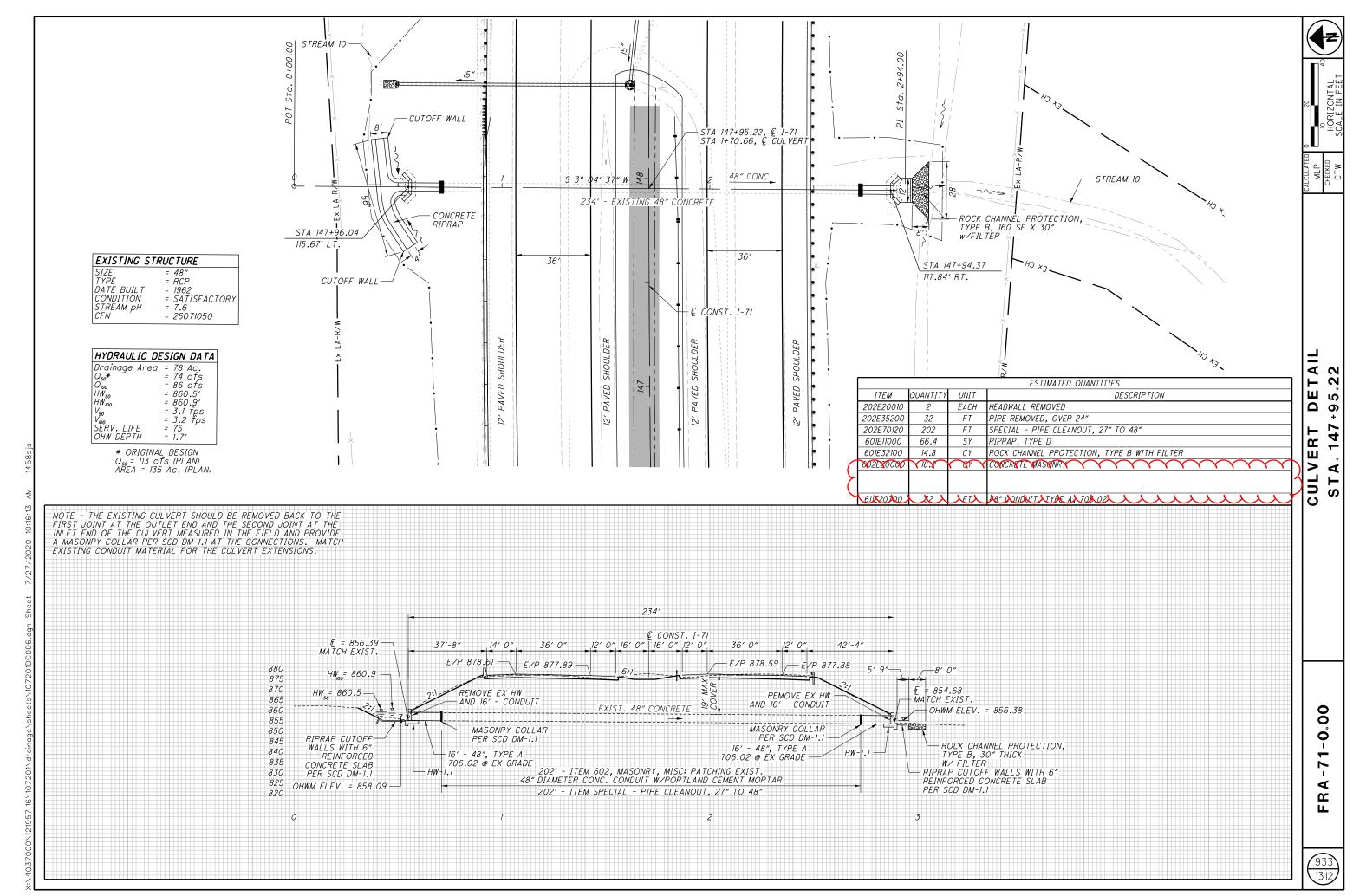
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					601	601	602		611	611	611	611	611	611	611	611	611	670
REF. NO.	SHEET NO.	ST <i>I</i>	TION	SIDE	ROCK CHANNEL PROTECTION,	ROCK CHANNEL PROTECTION, C	CONCRETE MASONRY	-	30" CONDUIT, TYPE A, 706.02	TYPE 4, 706.02	48" CONDUIT, TYPE A, 707.07	TYPE A, 707.07	CONDUIT, TYPE A, 706.04	29" X 45" CONDULT, TYPE A,	10' X 5' CONDUIT, TYPE A, 206.05, AS PER PLAN	CATCH BASIN, NO. 8A	DRAINAGE STRUCTURE, MISC.:DETAIL AND CONSTRUCTION BLIND TAP	DITCH EROSION PROTECTION
			TION TO 13+61 28+28 57+67 147+94 166+51 189+43 226+45 189+43 226+45 189+43 226+45 189 199				5	-		48" CONDUIT,		72" CONDUIT,	24" X 38"					
		FROM	ТО		СҮ	СҮ	CY	-	F T	FT	FT	FT	FT	FT	FT	EACH	EACH	SY
	929	12+33	13+61	L T&RT		2.9	1.0	-	3					227			1	
	930	27+48	28+28	L T&RT			34.6	-)			24						25.0
	931	54+16	57+67	LT&RT			18.2		X		24							71.2
	933	147+96	147+94	L T&RT	14.8		18.2	-	3	32								
	934	166+51	166+51	L T&RT		2.8	1.1	-	26									
	935	189+43	189+43	LT&RT		3.3	0.9	-	K^{-}				232			1		
	937	224+40	226+45	LT&RT		27.0		-	<u>}</u>						304			
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Т	OTALS C	ARRIED TO C	ENERAL SUMM	ARY	14.8	36	74	1	26	32	24	24	232	227	304	1	1	97

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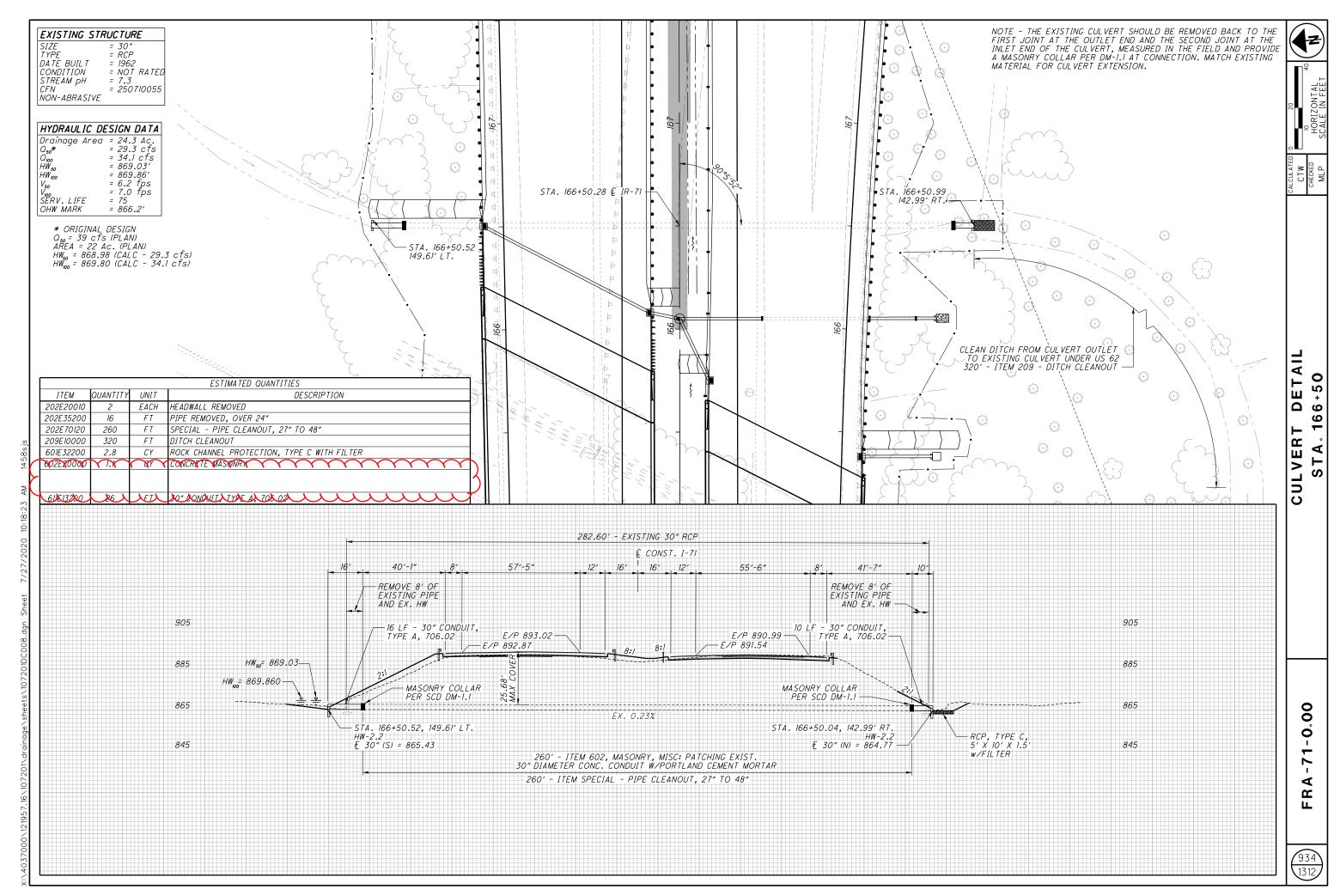
n	077	076	076	077	077	077		
	EWAL USING) STRUCTURAL CONDUIT 72" CE TERNATE 1A)) EROSION 11TH TURF MAT, TYPE 1	D EROSION 11TH TURF MAT, TYPE 3	1D 707.18, .19, 43, 748.06(42" 2 8, 707.75 1TE 2B)	ID 707.18, .19, 48.06(66" 0D), ⁵² AL TERNATE 1B)	LINER PIPE 8	NOT EXIST IN 1STER	CALCULATED MAH CHECKED CTW
WAI, IIFE A	CONDUIT RENEWAL USING SPRAY APPLIED STRUCTURAL LINER, ROUND CONDUIT 72" DIAMETER (ALTERNATE 1A)	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE	LINER PIPE 42" ID 707.18, .19, 	LINER PIPE 66" ID 707.18, .19, .20, .24, .35, 748.06(66" OD), \$5938, 707.75 (AL TERNATE 1B)	BACKFILL FOR LINER PIPE (ALTERNATE IB AND 2B)	ITEM CODE DOES NOT EXIST IN ITEM MASTER	
	FT	SY	SY	FT	FT	FT	-	
			155.8					
8	260	48.3			260	260		
	200	40.5			200			
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	260	48.3	203.4	663	260	923	663	1312



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