

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

FRA - 71 - 0.00 (PIC)

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

883-893

894-902

903-917

918-919

920-926

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1020-1030

1031-1100

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STRUCTU	IRE (20	' &	OVER)	FRA-71-	0296
STRUCTU	IRE (20	8	OVER)	FRA-71-	0308
NOISE WA	4LLS				
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SOIL BOI		-			
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BP-1.1	7/28/00	DM-1.1	7/21/17	MGS-5.2	7/15/16	HL-10.11	4/17/20	MT-95.30	7/19/19	MT-100.00	1/15/16	TC-41.50	10/18/13	800-2019	7.
BP-2.1	7/17/15	DM-1.2	1/18/13	MGS-5.3	7/15/16	HL-10.12	1/20/17	MT-95.40	1/17/20	MT-101.60	1/17/20	TC-42.10	10/18/13	807	4
BP-2.2	7/18/08	DM-4.1	7/20/18	MGS-6.1	1/19/18	HL-10.13	4/17/20	MT-95.45	1/17/20	MT-101.70	1/17/20	TC-42.20	10/18/13	808	
BP-2.3		DM-4.2	7/20/12	MGS-6.2	7/19/19	HL-10.31	4/17/20	MT-95.70		MT-101.75		TC-51.11	1/15/16	813	10
BP-3.1		DM-4.3	1/15/16	1		HL-20.11		MT-95.71	1/17/20	MT-101.80	1/17/20	TC-52.10	10/18/13	821	4.
BP-5.1	1/18/19	DM-4.4	1/15/16	RM-1.1	7/18/14	HL-20.21	1/19/18	MT-95.72		MT-101.90		TC-52.20	7/20/18	<i>832</i>	10
BP-6.1	7/19/13			RM-4.3	7/18/14	HL-30.11	4/17/20	MT-95.82	7/19/13	MT-102.10	1/17/20	TC-61.10	1/17/20	833	;
BP-9.1	1/18/19		7/20/18			HL-30.21		MT-98.10	1/17/20	MT-102.20	4/19/19	TC-64.10	1/17/20	836	
		F-3.1		RM-4.6	7/19/13	HL-30.22	4/17/20	MT-98.11	1/17/20	MT-102.30	10/16/15	TC-65.10	1/17/14	837	7
CB-2.1	7/20/18		7/19/13			HL-30.31	4/17/20	MT-98.20	4/19/19	MT-103.10	1/19/18	TC-65.11	7/21/17	846	4
CB-2.2	7/20/18	F-3.4	7/19/13	AS-1-15	7/17/15	HL-30.32	4/17/20	MT-98.21	1/17/20	MT-104.10	10/16/15	TC-71.10	1/19/18	848	L
CB-2.3	1/15/16			AS-2-15	1/18/19	HL-40.20	1/17/20	MT-98.22	1/17/20	MT-105.10	1/17/20	TC-72.20	7/20/18	878	- 1
CB-3.2	1/15/16	MGS-1.1	1/19/18	GSD-1-19	1/18/19	HL-50.21	4/17/20	MT-98.28	1/17/20			TC-73.20	1/17/20	899	- 1
CB-3.3	1/15/16	MGS-2.1	1/19/18	PCB-91	1/18/13	HL-60.11	7/21/17	MT-98.29	1/17/20	TC-12.30	1/19/18			905	4
CB-3.4	1/15/16	MGS-3.1	1/19/18	SBR-1-13	7/20/18	HL-60.12	4/17/20	MT-98.30	7/19/19	TC-21.20	7/20/18	SPEC		908	10,
I-2.2	7/19/19	MGS-3.2	1/18/13	SICD-1-96	7/18/14	HL-60.21	7/20/18	MT-99.20	4/19/19	TC-41.10	7/19/13	PROVIS	SIONS	913	4
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MGS-4.2 7/19/13 SICD-2-14 7/18/14 HL-60.31 1/17/20 MT-99.30 1/17/20 TC-41.20 10/18/13 IORY PPM APRIL 2019

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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.

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4/21/17	DATE DIRECTOR, DEPARTMENT OF	$\left \left(1 \right) \right $
4/20/12	TRANSPORTATION	1312
1/19/18	MANOF ON TATION	

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 COURSE FOR SOUTHBOUND I-71 SHALL BE PLACED AT THE CONCULSION OF PHASE 3. PHASE 3 WORK SHALL NOT COMMENCE BEFORE APRIL 1ST, 2022 UNLESS APPROVED BY THE ENGINEER.

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-71 PAVEMENT THAT IS TO BE RESURFACED (OUTSIDE THE FOR ALL WORK, MATERIALS, ETC. ASSOCIATED WITH THIS FULL DEPTH LIMITS) SHALL BE MILLED TO THE DEPTH SPECIFIED IN ITEM SHALL BE PAID FOR UNDER THE ITEM 614, MAINTAINING 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 WEEKLY MAINTENANCE OF TRAFFIC MEETING CONTROL PLANS AND NON-PERFORMED RUMBLE STRIPS FROM PHASE AFTER THE INITIAL PRE-MAINTENANCE OF TRAFFIC MEETING, 1 AND PHASE 2 SHALL BE INSTALLED. THIS WORK SHALL BE THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER COMPLETED BY UTILIZING ODOT SCD MT-97.11. IN ADDITION TO ON A WEEKLY BASIS TO GO OVER A DETAILED MAINTENANCE THIS WORK, THE MEDIAN CABLE BARRIER SHALL BE INSTALLED PER OF TRAFFIC REPORT OF AT LEAST 7 CALENDAR DAYS. THIS THE ROADWAY PLANS AND TEMPORARY PAVEMENT SHALL BE MEETING SHOULD BE HELD ON THE SAME DAY AND TIME OF REMOVED BY UTILIZING ODOT SCD MT-95.45 EXCEPT DRUMS MAY BE EACH WEEK. 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

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

INCENTIVE/DISINCENTIVE CONTRACT TABLE

DESCRIPTION OR LOCATION OF CRITICAL WORK	COMPLETION DATE	TIME PERIOD	DISINCENTIVE \$ PER TIME PERIOD	
COMPLETE PHASE 2 AND IMPLEMENT WINTERIZATION SET-UP	10/01/2021	DAY	\$6,000	
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				
	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	21 CALENDAR DAYS PRIOR TO CLOSURE				
RAMP & ROAD CLOSURES	>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	NOTIFICATION DUE TO DISTRICT 6 COMMUNICATIONS OFFICE	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				
020001120	<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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PRE-MAINTENANCE OF TRAFFIC MEETING A PRE-MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD (MINIMUM 10 WORK DAYS) PRIOR TO WORK BEGINNING OR ANY CHANGE OF PHASING. THIS MEETING SHALL INCLUDE THE DISTRICT MAINTENANCE OF TRAFFIC ENGINEER (D06.MOT@DOT.STATE.OH.US) AS WELL AS THE CONTRACTOR AND ANY OF HIS SUB-CONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL. FOR COLUMBUS SECTIONS OF ROADWAY, ALSO INCLUDE THE TEMPORARY CONTROL COORDINATOR (614-645-6269 OR 614-645-5845) FROM THE CITY OF COLUMBUS TRANSPORTATION DIVISION.

DRUM REQUIREMENTS

IN ADDITION TO THE REQUIREMENTS OF THE PLANS, SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED.

PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

FRA-71-0.00

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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

ITEM 644, LANE LINE

ITEM 644, CHANNELIZING LINE

ITEM 644, DOTTED LINE, 6"

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE DURING THE 2022-2023 WINTER PER LOCATIONS OF THE TRAFFIC CONTROL PLAN.

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107	CONCRETE OPTION	
·/s	ITEM 614, WORK ZONE RAISED PAVEMENT MARKER	1094 EACH
eets^	ITEM 614, WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	40 EACH
she	ITEM 646, EDGE LINE	25.58 MILE
ot>	ITEM 646, LANE LINE	21.76 MILE
E	ITEM 646, CHANNELIZING LINE	4051 FT
201	ITEM 646, DOTTED LINE, 6″	4714 FT
072		
1/1	ASPHALT OPTION	
R/	ITEM 614, WORK ZONE RAISED PAVEMENT MARKER	210 EACH
1 N	ITEM 614, WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	924 EACH
DO	ITEM 644, EDGE LINE	25.58 MILE

22.08 MILE

4051 FT

4714 FT

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 I 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.

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	70 60		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	1 614, DIGITAL SPEED LIMIT (DSL	.) SIGN ASSEMBLY
	160 SIGN MNTH	
	ASSUMING 2 DSL SIGN ASSEMBL	IES FOR 2 MONTHS
	(PRE-PHASE 1. PARTS A & B)	
	ASSUMING 7 DSL SIGN ASSEMBL	IES FOR 4 MONTHS
	(PHASE 1)	
	ASSUMING 8 DSL SIGN ASSEMBL	IES FOR 4 MONTHS
	(PHASE 2)	
	ASSUMING 12 DSL SIGN ASSEMB	LIES FOR & MONTHS
	(PHASE 3)	
	U HAJE J/	

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

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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 ശ 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 ∢ 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 \mathbf{O} 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	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	WORK ZONE RAISED PAVEMENT MARKER	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	BARRIER REFLECTOR, TYPE (ONE-WAY)	OBJECT MARKER, ONE-WAY	WORK ZONE EDGE LINE, CLASS I, 6", 807	WORK ZONE DOTTED LINE, CLASS I, 12", 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE GORE MARKING, CLASS II, 642 PAINT	PORTABLE BARRIER, UNANCHORED		EDGE LINE, 6″	LANE LINE, 6"	LIZING LINE, 12"	DOTTED LINE, 6"	
															CHANNEL IZING		
		EACH	EACH	EACH	EACH	EACH	FT	FT	FT	FT	FT		MILE	MILE	FT	FT	
377	PHASE 3A				36	12	1160		16		580						
378	PHASE 3A	1			39	13	1800				620						
379	PHASE 3A				12	4	1200				156						
380 381	PHASE 3A PHASE 3A	1	58	39	48 18	16 6	1600 1847	115		155	800 254						
382	PHASE 3A	/	50	15	10	0	305	305		100	234						
10			1004	10									05.50	01.70	1051	4714	
19	POST PHASE 3		1094	40									25.58	21.76	4051	4714	
SUB-TO	OTALS						7,912 FT										
TOTALS CA	ARRIED TO	2	1152	94	153	51	1.50 MILE	420	16	155	2,410		25.58 MILE	21.76 MILE	4051	4714	
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SHEET NO.	PHASE	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	WORK ZONE RAISED PAVEMENT MARKER	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	BARRIER REFLECTOR, TYPE ((ONE-WAY)	OBJECT MARKER, ONE-WAY	WORK ZONE EDGE LINE, CLASS I, 6", 807	WORK ZONE DOTTED LINE, CLASS I, 12", 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE GORE MARKING, CLASS II, 642 PAINT	PORTABLE BARRIER, UNANCHORED		EDGE LINE, 6"	LANE LINE, 6"	CHANNELIZING LINE, 12″	DOTTED LINE, 6"	
		EACH	EACH	EACH	EACH	EACH	FT	FT	FT	FT	FT		MILE	MILE	MILE	MILE	
777					70	10	1100		10		500						
377 378	PHASE 3A PHASE 3A	1			36 39	12 13	1160 1800		16		580 620						
379	PHASE 3A	/			12	4	1200				156						
380	PHASE 3A				48	16	1600				800						
381	PHASE 3A	1		54	18	6	1847	115		155	254						
382	PHASE 3A			15			305	305									
10			010	004									05.50		4051	4714	
19	POST PHASE 3		210	924									25.58	22.08	4051	4714	
	OTALS						7 , 912 FT						ļ				
	ARRIED TO	2	210	993	153	51	1.50 MILE	420	16	155	2,410		25.58 MILE	21.76 MILE	4051	4714	
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			1312

				-	SHEET	NUM.				-			PA	RT.		ITEM	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		ЕХТ	TOTAL	UNIT	
		38							177			215				601	11000	215	SY	RIPRAP, TYPE D
		30					287					215		287		601	20001	213	SY	CRUSHED AGGREGATE S
	4	191					201					195		201		601	21050	195	SY	TIED CONCRETE BLOCK
	7	321										321				601	21050	321	SY	TIED CONCRETE BLOCK
		521							41			41				601	23000	41	SY	ARTICULATING CONCRET
									65			65				601	32000	65	CY	ROCK CHANNEL PROTEC
		4								15		19				601	32100	19	CY	ROCK CHANNEL PROTEC
_		44								36		80				601	32200	80	CY	ROCK CHANNEL PROTEC
3												2	1			659	00100	3	EACH	SOIL ANALYSIS TEST
28,125												22,500	5,625			659	00300	28,125	CY	TOPSOIL
						253,382						202,705	50,677			659	10000	253,382	SY	SEEDING AND MULCHING
2,669						233,302						10,135	2,534			659	14000	12,669	SY	REPAIR SEEDING AND M
2,669												10,135	2,534			659	15000	12,669	SY	INTER-SEEDING AND M
35.33												28.32	7.01			659	20000	35.33	TON	COMMERCIAL FERTILIZE
2.35												41.84	10.51			659	31000	52.35	ACRE	LIME
					1			1	1		1	TI.07	10.01			000	31000	52.55	AUNE	
1,403								1				1,122	281			659	35000	1,403	MGAL	WATER
570												456	114			659	40000	570	MSF	MOWING
					35,197							1,759	33,438			670	00700	35,197	SY	DITCH EROSION PROTEC
					1,655			1		97		1,402	350		1	670	00710	1,752	SY	DITCH EROSION PROTEC
					,			LS				LS				832	15001	LS		STORM WATER POLLUTI
								LS				LS				832	15002	LS		STORM WATER POLLUTI
								LS				LS				832	15010	LS		STORM WATER POLLUTI
								930,000				697,500	232,500			832	30000	930,000	EACH	EROSION CONTROL
										48		48				836	10000	48	SY	SEEDING AND EROSION
										203		203				836	10030	203	SY	SEEDING AND EROSION
									LS			LS				503	11101	LS		COFFERDAMS AND EXCA
									LS			LS				503	21300	LS		UNCLASSIFIED EXCAVAT
									3,669			3,669				509	10000	3,669	LB	EPOXY COATED REINFO
									49			49				511	46001	49	SY	CLASS QC1 CONCRETE,
									35			35				511	46510	35	CY	CLASS QC1 CONCRETE,
									51			51				512	10050	51	SY	SEALING OF CONCRETE
									173			173				512	33000	173	SY	TYPE 2 WATERPROOFIN
									181			181				512	33010	181	SY	TYPE 3 WATERPROOFIN
									33			33				516	13600	33	SF	1" PREFORMED EXPANSI
									LS			LS				518	21230	LS		POROUS BACKFILL WITH
		15								74		89				602	20000	89	СҮ	CONCRETE MASONRY
		114,349										85,762	28,587			605	11100	114,349	FT	6" SHALLOW PIPE UNDE
		1,140										855	285			605	11101	1,140	FT	6" SHALLOW PIPE UNDE
	50	3,644										2,770	924			605	13300	3,694	FT	6" UNCLASSIFIED PIPE
		109,491										82,118	27,373			605	14000	109,491	FT	6" BASE PIPE UNDERDR
											464	464				605	31101	464	FT	AGGREGATE DRAINS, AS
			9,371									7,028	2,343			611	00510	9,371	FT	6" CONDUIT, TYPE F FC
	50											50				611	01500	50	FT	6" CONDUIT, TYPE F
			693									472	221			611	05900	693	FT	15" CONDUIT, TYPE B
			600									674	FC			C 11	05000	600		
			690									634	56		-	611	05900	690 5 75 7	FT FT	15" CONDUIT, TYPE B,
			5,757		-							863 13	4,894 77			611	06100 06100	5,757		15" CONDUIT, TYPE C
			90													611		90 88	FT	15" CONDUIT, TYPE C,
			88 210									70 168	18 42			611 611	06700 06700	210	FT FT	15" CONDUIT, TYPE F, 15" CONDUIT, TYPE F,
			210									100	42		-	110	00100	210	ГІ	IJ CONDULL, ITPE F,
			1,090									1,090				611	07400	1,090	FT	18" CONDUIT, TYPE B
			226		-			1				226				611	07400	226	FT	18" CONDUIT, TYPE B,
			2,446									1,504	942			611	07400	2,446	FT	18" CONDUIT, TYPE C
			<u>2,440</u> 56									56	572			611	07600	56	FT	18" CONDUIT, TYPE C,
			20									20	<u> </u>			611	07600	20	FT	18" CONDUIT, TYPE C,
			20		1			1	1		ł		l		1					

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DESCRIPTION	SEE Sheet No.	CALCULATED DCB CHECKED DLW
EROSION CONTROL		
SLOPE PROTECTION, AS PER PLAN	1112, 1197	
CK MAT, TYPE 1 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		
2213		RΥ
		SUMMARY
TECTION		Σ
IECTION MAT, TYPE A ITION PREVENTION PLAN, AS PER PLAN	410	SU
ITION PREVENTION INSPECTIONS	410	
ITION PREVENTION INSPECTION SOFTWARE	410	۶A
N CONTROL WITH TURF REINFORCING MAT, TYPE 1 N CONTROL WITH TURF REINFORCING MAT, TYPE 3		GENERAL
<i>DRAINAGE</i> CAVATION BRACING, AS PER PLAN	937	GE
ATION	937	
ORCING STEEL , RETAINING/WINGWALL NOT INCLUDING FOOTING, AS PER PLAN	937	
E, FOOTING		
IE SURFACES (NON-EPOXY)		
ING ING		
SION JOINT FILLER		
TH GEOTEXTILE FABRIC		
DERDRAINS		
DERDRAINS, AS PER PLAN	943	
E UNDERDRAINS DRAINS		
AS PER PLAN FOR UNDERDRAIN OUTLETS		
TOR ONDERDINAIN COTEETS		00
700.00		°
, 706.02		A - 71 - 0.00
, 706.02 , 707.05, TYPE C		- A
, 707.05, TYPE C OR 707.21		FR
, 706.02		
, 706.02		
, 706.08		385

	P	PAR	۲۲ .		ITEM	ITEM	GRAND	UNIT	
2/NH	02/NHS/P	/PV (03/IMS/BR	04/IMS/BR		EXT	TOTAL		
									CONCRETE OPTION
75	750				614	11110	1,500	HOUR	LAW ENFORCEMENT (
2	2				614	12380	15	EACH	WORK ZONE IMPACT
					614	12384	5	EACH	WORK ZONE IMPACT
LS	LS				614	12420	LS		DETOUR SIGNING
6	6				614	12470	12	EACH	WORK ZONE SPEED L
20	20				614	12484	40	EACH	WORK ZONE INCREAS
5	5				614	12500	10	EACH	REPLACEMENT SIGN
50	50				614	12600	100	EACH	REPLACEMENT DRUM
					614	12756	5	EACH	WORK ZONE CROSSO
21	210	_			614	12800	2,887	EACH	WORK ZONE RAISED F
28	286				614	12801	3,471	EACH	WORK ZONE RAISED F
1,3	1,302	2			614	13310	9,267	EACH	BARRIER REFLECTOR
	43				614	13312	210	EACH	BARRIER REFLECTOR
11	110				614	13350	2,236	EACH	OBJECT MARKER, ONE
					614	13360	31	EACH	OBJECT MARKER, TWO
		_			614	18000	180,000	EACH	MAINTAINING TRAFFIC
1	11	+			614	18000	22	SNMT	PORTABLE CHANGEA
	3.51				614	20056	20.31	MILE	WORK ZONE LANE LIN
0.0	0.01	+			014	20030	20.31		
8.4	8.41				614	22056	59.2	MILE	WORK ZONE EDGE LIN
		_							
1,8	1,849	9			614	23110	20,332	FT	WORK ZONE CHANNEL
96	969	_			614	24208	5,568	FT	WORK ZONE DOTTED
14	142	-			614	25210	142	FT	WORK ZONE TRANSVE
	192				614	26200	55	FT	WORK ZONE STOP LIN
	104				614	28200	523	FT	WORK ZONE GORE MA
					0.15	40004			
F 4	=				615	10001	LS		ROADS FOR MAINTAIN
	514				615	20000	36,364	SY	PAVEMENT FOR MAIN
12	125				615	20001	38,573	SY	PAVEMENT FOR MAIN
		_			615 615	25001 25001	300 6,844	SY	PAVEMENT FOR MAIN PAVEMENT FOR MAIN
					015	25001	0,044	SY	
					615	25001	2,000	SY	PAVEMENT FOR MAIN
					615	25001	500	SY	PAVEMENT FOR MAIN
48	481				616	10000	962	MGAL	WATER
44 -	44 740	_			000	44400	400.000		
11,7	11,743	3			622 622	41100 41110	123,960 960	FT FT	PORTABLE BARRIER, U PORTABLE BARRIER, A
9.5	9,597	7			622	80000	30,170	FT	GLARE SCREEN
9,5	3,337	<u> </u>			022	00000	30,170		GLARE SOREEN
					644	00104	1.38	MILE	EDGE LINE, 6"
		_			644	00204	0.87	MILE	LANE LINE, 6"
					646	10010	37.55	MILE	EDGE LINE, 6"
					646	10110	32.32	MILE	LANE LINE, 6"
					646	10310	5,673	FT	CHANNELIZING LINE, 1
		_			646	10400	25	FT	STOP LINE
		+			646	20504	4,714	FT	DOTTED LINE, 6"
					646	20510	1,879	FT	DOTTED LINE, 12"
					SPECIAL	64620710	18	EACH	AIR SPEED ZONE MAR
80	80	-+			808	18700	160	SNMT	DIGITAL SPEED LIMIT (
									ASPHALT OPTION
	750				614	11110	1,500	HOUR	LAW ENFORCEMENT O
3	3	+			614	12380	16	EACH	WORK ZONE IMPACT
LS	LS				614 614	12384 12420	5 LS	EACH	WORK ZONE IMPACT A
	6 20	-+			614 614	12470 12484	12 40	EACH EACH	WORK ZONE SPEED LI
20	20				014	12484	I 40	EACH	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)		
TATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)		
LIMIT SIGN		
ASED PENALTIES SIGN		
M		
) PAVEMENT MARKER		
PAVEMENT MARKER, AS PER PLAN	21	
R, TYPE 1, ONE-WAY		
R, TYPE 2, ONE-WAY		
NEWAY		
NO WAY		\mathbf{X}
		SUMMARY
IC, MISC.: BRIDGE DECK AND PAVEMENT PATCHING	22	◄
ABLE MESSAGE SIGN, AS PER PLAN	20	Σ
INE, CLASS I, 6", 807 PAINT		5
INE, CLASS I, 6", 807 PAINT		31
ELIZING LINE, CLASS I, 12", 807 PAINT		Ā
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D LINE, CLASS I, 12", 642 PAINT		ш
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		GENERAL
VERSE/DIAGONAL LINE, CLASS II, 642 PAINT		G
INE, CLASS I, 642 PAINT		•
MARKING, CLASS II, 642 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	
	00	
NTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 3	23	
NTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 4	23	
, UNANCHORED		
, ONANGHORED		
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RKING	23	1
T (DSL) SIGN ASSEMBLY		
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OFFICER WITH PATROL CAR FOR ASSISTANCE		
TATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)		
TATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)		
		392
LIMIT SIGN		1312
ASED PENALTIES SIGN		

					SHEET	NUM.		PART.		ІТЕМ	ITEM	GRAND		DECODIDITION	SEE	ALCULATE
28	34	35	36	37	38	39	01/IMS/P	/ 02/NHS/PV 03/IMS/BR	04/IMS/BR		ЕХТ	TOTAL	UNIT	DESCRIPTION	SHEET NO.	CALCU
	10						5	5		614	12500	10	EACH	REPLACEMENT SIGN		-[
	100						50	50		614	12600	100		REPLACEMENT DRUM		
	3	2					1	4		614	12756	5	EACH	WORK ZONE CROSSOVER LIGHTING SYSTEM		_
		5	18	105	14	210	347	5		614	12800	352		WORK ZONE RAISED PAVEMENT MARKER	21	_
		2,144	829	608	1,362	993	5,482	454		614	12801	5,936	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	21	_
	144						144			614	13000	144	СҮ	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC		-
		1,840	2,134	51	3,753	153	5,328	2,603		614	13310	7,931		BARRIER REFLECTOR, TYPE 1, ONE-WAY		-
		156	14		128		255	43		614	13312	298		BARRIER REFLECTOR, TYPE 2, ONE-WAY		-
		775	713		279	51	1,708	110		614	13350	1,818		OBJECT MARKER, ONE WAY		
		14		17			31			614	13360	31	EACH	OBJECT MARKER, TWO WAY		_
	180,000						180,000			614	18000	180,000	EACH	MAINTAINING TRAFFIC, MISC.: BRIDGE DECK AND PAVEMENT PATCHING	22	_
	22						11	11		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		WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT		-
	5.79	15.06	13.48		23.78	1.5	51.18	8.43		614	22056	59.61	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT		_
_																-
-+		10,006	4,009		5,546		17,712	1,849		614	23110	19,561	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT		- 1
+		,	.,000		0,010						23110	10,001		A SING LONG ONNUMELIZING LING, OCHOU 1, 12, 001 1 MINI		
		1,460	1,200		2,488	420	4,599	969		614	24208	5,568	FT	WORK ZONE DOTTED LINE, CLASS I, 12", 642 PAINT		
																_
_			25		142	10	95	47		614 614	25210	142		WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS II, 642 PAINT		_
_		212	25		14 156	16 155	45 419	10 104		614	26200 28200	55 523	FT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT WORK ZONE GORE MARKING, CLASS II, 642 PAINT		_
-		212			150	100	413	104		014	20200	525		WORK ZONE GORE WARKING, CEASS II, 642 FAINT		
	LS						LS	LS		615	10001	LS		ROADS FOR MAINTAINING TRAFFIC, AS PER PLAN	22	
	19,429	4,130			1,543		24,588	514		615	20000	25,102	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A		
	36,888	286			376		37,425	125		615	20001	37,550		PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	22	
	300						300			615	25001	300	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN, TYPE 1	23	_
	6,844						6,844			615	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		PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS FER FLAN, THE S	23	-
													-			-
	962						481	481		616	10000	962	MGAL	WATER		
																_
		30,060			32,820	2,410	86,257	11,743		622	41100 41110	98,000	FT FT	PORTABLE BARRIER, UNANCHORED		_
_		480 1,380	480		28,790			9,597		622 622	80000	960 30,170	FT	PORTABLE BARRIER, ANCHORED GLARE SCREEN		-
		1,500			20,130		20,513	5,001		022	00000	50,110				-
				11.65		25.58	11.65			644	00104	37.23	MILE	EDGE LINE, 6"		-
				11.11		21.76	11.11			644	00204	32.87	MILE	LANE LINE, 6"		
				1,622		4,051	1,622			644	00404	5,673	FT	CHANNELIZING LINE, 12"		_
				1.057		4,714	4,714			644	01510	4,714	FT	DOTTED LINE, 6"		_
_				1,653			1,653			644	01520	1,653	FT	DOTTED LINE, 12"		-
-				1.69			1.69			646	10010	1.69	MILE	EDGE LINE, 6"		-
				0.3			0.3			646	10110	0.3	MILE	LANE LINE, 6"		-
				25			25			646	10400	25	FT	STOP LINE		
				226			226			646	20510	226	FT	DOTTED LINE, 12"		
_	18						18			SPECIAL	64620710	18	EACH	AIR SPEED ZONE MARKING	23	_
	160						80	80		808	18700	160	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY		-
	100						80	80		000	10100	100		DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLI		_
														INCIDENTALS		
							LS			108	10000	LS		CPM PROGRESS SCHEDULE		
	LS						LS	LS		614	11001	LS	1.11.7.1	MAINTAINING TRAFFIC, AS PER PLAN	16	_
\rightarrow							24	<u> </u>		619 623	16021 10000	24	MNTH	FIELD OFFICE, TYPE C, AS PER PLAN CONSTRUCTION LAYOUT STAKES AND SURVEYING	13	_
-+							LS LS	<u> </u>		623 624	10000	LS LS		MOBILIZATION		_
+										024	10000					1
																_

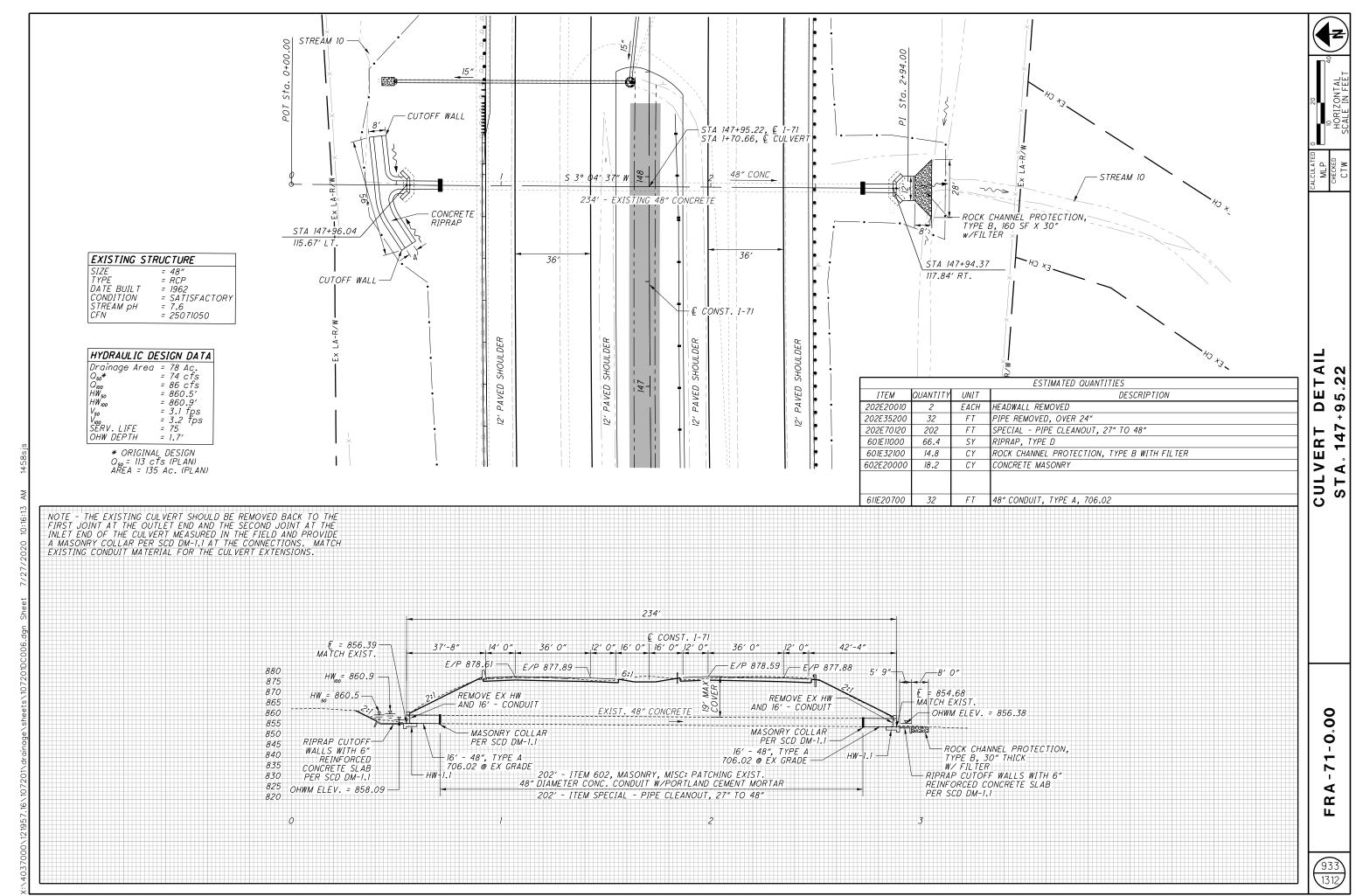
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					601	601	602	611	611	611	611	611	611	611	611	611	670	I
REF. NO.	SHEET NO.	STATION SI		SIDE	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	CONCRETE MASONRY	30" CONDUIT, TYPE 4, 706.02	48" CONDUIT, TYPE A, 706.02	48" CONDUIT, TYPE A, 707.07	72" CONDUIT, TYPE A, 707.07	24" X 38" CONDUIT, TYPE A, 706.04	29" X 45" CONDUIT, TYPE A, 706.04	10' X 5' CONDUIT, TYPE A, 706.05, AS PER PLAN	CATCH BASIN, NO. 84	DRAINAGE STRUCTURE, MISC.:DETAIL AND CONSTRUCTION BLIND TAP	DITCH EROSION PROTECTION MAT, TYPE A	
	-	FROM	ТО	_	СҮ	СҮ	СҮ	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	SY	╞
	929	12+33	13+61	LT&RT		2.9	1.0						227			1		ł
	930	27+48	28+28	LT&RT			34.6				24						25.8	
	931	54+16	57+67	LT&RT			18.2			24							71.2	
	933	147+96	147+94	LT&RT	14.8		18.2		32									+
	934	166+51	166+51	LT&RT		2.8	1.1	26										╞
	935	189+43	189+43	LT&RT		3.3	0.9					232			1			Ŧ
	937	224+40	226+45	LT&RT		27.0								304				Ŧ
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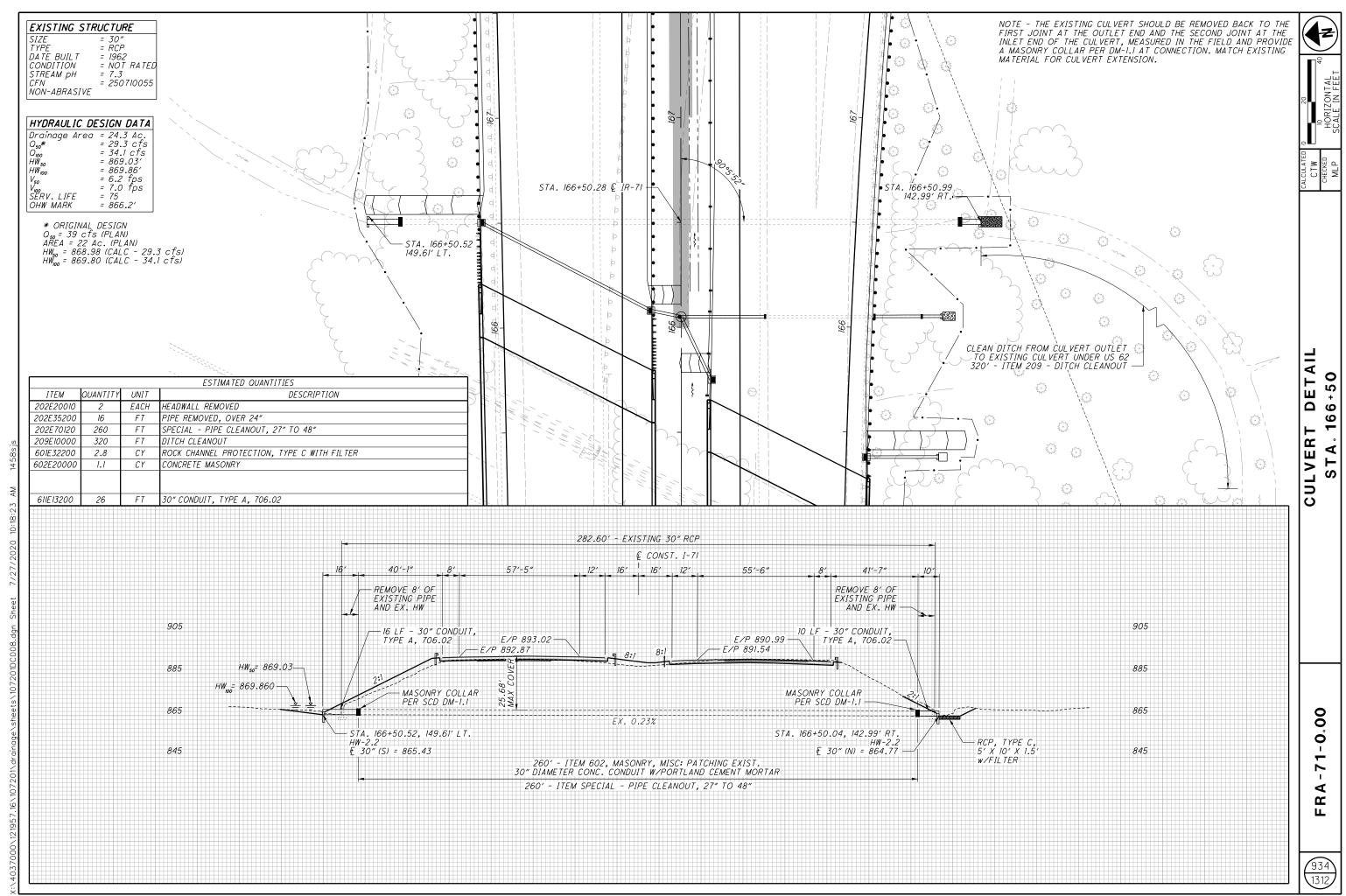
	333	836	836	837	837	837	[N	CALCULATED MAH CHECKED CTW
CONDUIT RENEWAL USING	LINER, ROUND CONDUIT 72" DIAMETER (ALTERNATE IA)	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE I	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 3	LINER PIPE 42" ID 707.18, .19, .20, .35, .42, .43, 748.06(42" 0D), SS938, 707.75 (AL TERNATE 2B)	LINER PIPE 66" ID 707.18, .19, .20, .24, .35, 748.06(66" 0D), SS938, 707.75 (AL TERNATE 1B)	BACKFILL FOR LINER PIPE (AL TERNATE IB AND 2B)	ITEM CODE DOES NOT EXIST IN ITEM MASTER	CALCI CHE CHE
							ITEM C	
	FT	SY	SY	FT	FT	FT		
	260	48.3	155.8		260	260		
				663		663	663	
\vdash								ARY
								SUBSUMMARY
			47.6					3 S U
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ź	260	48.3	203.4	663	260	923	663	928 1312



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