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**Before You Dig** 

# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

FRA-71-9.07 CITY OF COLUMBUS CITY OF GROVE CITY JACKSON TOWNSHIP

FRANKLIN COUNTY

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PLAN PREPARED BY:

400 W.NATIONWIDE BLV

13				STANDAR	D CONSTR	UCTION D	RAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
	BP-1.1	7/28/00	MGS-1.1	1/19/18	HL-30.21	1/17/14	MT-102.10	1/18/19	TC-52.20	7/20/18	800 10/18/19	
	BP-2.1	7/17/15	MGS-2.1	1/19/18	HL-30.22	1/17/14	MT-102.30	10/16/15	TC-61.30	1/20/17	804 1/18/19	
	BP-2.2	7/18/08	MGS-3.1	1/19/18	HL-40.20	7/20/18	MT-103.10	1/19/18	TC-65.10	1/17/14	808 1/18/19	
	BP-2.5	7/19/13	MGS-3.2	1/18/13	HL-60.11	7/21/17	MT-104.10	10/16/15		7/21/17	809 1/18/19	
_	BP-3.1	7/18/14	MGS-4.2	7/19/13	HL-60.12	11 141 14	MT-105.10		TC-71.10	1/19/18	821 4/20/12	
	BP-5.1	7/20/18	MGS-4.3	1/18/13	HL-60.21		TC-7.65	7/20/18	TC-72.20	7/20/18	832 10/19/18	
ENGINEERS SEAL:	BP-6.1		MGS-5.3		HL-60.31		TC-12.30		ITS-14 <b>.</b> 11	1/18/19		
LIVOINLLINS SLAL.	BP-9.1	1/18/19	RM-4.3	7/18/14	MT-95.30	4/19/19	TC-21.10		ITS-14.50	7/20/18	875 1/18/19	
WINTE OF OM	CB-2.3	1/15/16	RM-4.4		MT-95.45	4/19/19	TC-21 <b>.</b> 20	7/20/18	ITS-15.10	7/17/15	878 1/18/19	
sur ATE masses Of the	CB-3.1	1/15/16	RM-4.5	7/21/17	MT-98.10	1/20/17	TC-21.50		ITS-18.00	1/18/19	902 12/31/12	
Strand Strand	CB-3.3	1/15/16	RM-4.6	7/19/13	MT-98.11	4/19/19	TC-22.20	1/17/14	ITS-50.10	1/19/18	904 1/18/19	
WALID A.	CB-3.4	1/15/16	NBS-1-09	1/19/18	MT-98.20	4/19/19	TC-41.10	7/19/13	ITS-60.10	7/15/16	908 10/20/17	
	HW-2.1	7/20/18	HL-10.11	7/20/18	MT-98.21	7/18/14	TC-41.15	10/18/13	ITS-76.10	1/18/19	921 4/20/12	
	HW-2.2	7/20/18	HL-10.12	1/20/17	MT-99.20	4/19/19	TC-41.20	10/18/13				
FILL CONSTRUCTION	I-2.1		HL-10.13	7/20/18	MT-101.60	1/20/17	TC-41.30	10/18/13				
TONAL ENGLIST	MH-1.2	1/15/16	HL-10.31	1/19/18	MT-101.70		TC-42.20	10/18/13				
A A A	DM-1.1		HL-20.11	4/21/17	MT-101.75	7/15/16	TC-51.11	1/15/16				
SIGNED:	DM-1.2		HL-20.21	1/19/18	MT-101.90	7/21/17	TC-51.12	1/15/16				
DATE:05-31-2019	DM-2.1	1/18/13	HL-30.11	1/18/19			TC-52.10	10/18/13				

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## PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE RESURFACING AND FULL DEPTH WIDENING OF IR-71 NORTHBOUND IN ORDER TO EXTEND THE EXPRESS LANE FROM IR-270 TO SOUTH OF STRINGTOWN ROAD AND REMOVE THE NORTHBOUND WEAVE BETWEEN THE TWO INTERCHANGES. WORK INCLUDES RECONSTRUCTION OF RAMPS, ROADWAY, MEDIAN BARRIERS, DRAINAGE, LIGHTING, AND NOISEWALLS. 5 )

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PROJECT EARTH DISTURBED AREA:15.55 ACRESESTIMATED CONTRACTOR EARTH DISTURBED AREA:2.96 ACRESNOTICE OF INTENT EARTH DISTURBED AREA:18.51 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

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

## MAINTENANCE OF TRAFFIC ENDORSEMENT

' I HEREBY APPROVED 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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APPROVED			
DA TE	DISTRICT DEPUTY DIRECTOR		
APPROVED			
	DIRECTOR, DEPARTMENT OF TRANSPORTATION	3478-E	$\left  \begin{array}{c} 1 \\ 264 \end{array} \right $

#### TRAFFIC INCIDENT MANAGEMENT (TIM) DURING MOT

OHIO TIM IS OHIO S TRAFFIC INCIDENT MANAGEMENT PROGRAM WHICH IS COMMITTED TO MAINTAINING THE SAFE AND EFFECTIVE FLOW OF TRAFFIC DURING EMERGENCIES AS TO PREVENT FURTHER DAMAGE, INJURY OR UNDUE DELAY OF THE MOTORING PUBLIC. IN ADDITION TO COMPLYING WITH THE PROVISION OF OMUTCD CHAPTER 6I, CONTROL OF TRAFFIC THROUGH TRAFFIC INCIDENT MANAGEMENT AREAS, THE CONTRACTOR SHALL ACTIVELY PARTICIPATE IN TIM PLANNING AND IMPLEMENTATION AS OUTLINED BELOW.

- 1. SUPERINTENDENT SHALL IDENTIFY THE INDIVIDUAL PERSONS ON THE PROJECT WHO WILL, OR MAY NEED TO, PERFORM THE DUTIES HEREIN. AT A MINIMUM, INCLUDE THE SUPERINTENDENT, FOREMEN AND SUPERVISORS (OR EQUIVALENT) AS WELL AS THE WORKSITE TRAFFIC SUPERVISOR (WTS; IF APPLICABLE TO THE PROJECT). THESE INDIVIDUALLY IDENTIFIED PERSONS SHALL COLLECTIVELY BE KNOWN AS CONTRACTOR TRAFFIC INCIDENT MANAGEMENT (TIM) CONTACTS. NOTIFY THE PROJECT ENGINEER OF THE CONTRACTOR TIM CONTACTS (ALONG WITH CONTACT INFORMATION FOR EACH) AT OR BEFORE THE PRECONSTRUCTION MEETING.
- 2. SUPERINTENDENT SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY CONTRACTOR TIM CONTACT IS ADDED, REMOVED OR THE CONTACT INFORMATION CHANGES OVER THE COURSE OF THE PROJECT.
- 3. PRIOR THE FIRST DAY OF WORK IN THE FIELD, EACH CONTRACTOR TIM CONTACT ON THE PROJECT SHALL HAVE ATTENDED AND SUCCESSFULLY COMPLETED OHIO TIM TRAINING PROVIDED BY THE DEPARTMENT OR DESIGNEE. TRAINING INFORMATION CAN BE FOUND AT WWW.OHIOTIM.COM.
- 4. SUPERINTENDENT, AT A MINIMUM, SHALL ATTEND AND ACTIVELY PARTICIPATE IN A DEPARTMENT SCHEDULED TIM MEETING BEFORE CONSTRUCTION WORK BEGINS AND BEFORE EACH PHASE CHANGE. THESE MEETINGS WILL RESULT IN A DEPARTMENT ISSUED PROJECT SPECIFIC TRAFFIC INCIDENT MANAGEMENT PLAN (TIMP). AT THE TIM MEETINGS THE ATTENDING CONTRACTOR TIM CONTACTS SHALL:
- A. COLLABORATE WITH ODOT AND SAFETY FORCES;
- B. SHARE PROJECT SPECIFIC DETAILS THAT IMPACT TIM RESPONDERS; AND
- C. RECOMMEND WAYS TO INCORPORATE NECESSARY EMERGENCY ACCESS AND OTHER TIM ELEMENTS FOR TIM RESPONDERS GIVEN PROJECT SPECIFIC WORK BEING COMPLETED AND PROJECT SPECIFIC PHASING.
- 5. CONTRACTOR TIM CONTACTS SHALL IMPLEMENT COMPONENTS OF THE RESULTING TIMP (SUCH AS APPROVED EMERGENCY INGRESS/EGRESS POINTS, ETC), AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
- 6. CONTRACTOR TIM CONTACTS SHALL PERFORM, AT A MINIMUM, THE FOLLOWING FUNCTIONS WHEN AN INCIDENT/CRASH OCCURS:
- A. IF OBSERVED OR PRESENT WHEN OCCURS, CALL 911 AND THEN NOTIFY THE TRAFFIC MANAGEMENT CENTER (TMC) TO PROVIDE THE FOLLOWING:
- I. LOCATION, INCLUDING MILEPOST NUMBER AND DIRECTION OF TRAVEL
- II. NUMBER AND TYPE OF VEHICLES INVOLVED, IF KNOWN III. ESTIMATED EXTENT OF DAMAGE OR INJURY, IF KNOWN IV. ESTIMATED NUMBER OF PATIENTS INVOLVED, IF KNOWN V. ANY POTENTIAL HAZARDOUS CONDITIONS, IF KNOWN
- VI. THE PLACARD NUMBER ON ANY HAZARDOUS MATERIALS
- PLACARD FROM A SAFE DISTANCE, IF APPLICABLE AND VISIBLE

#### TRAFFIC INCIDENT MANAGEMENT (TIM) DURING MOT (CONT'D)

- B. FOLLOWING AN INCIDENT/CRASH:
  - I. INITIATE TRAFFIC MANAGEMENT/PROVIDE TEMPORARY TRAFFIC CONTROL AS INDICATED
  - IN THE TIMP, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
  - II. RECOMMEND ROADWAY REPAIR NEEDS.
  - III. PROVIDE REPAIR RESOURCES AND INITIATE REPAIRS, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
     IV. ATTEND AND PARTICIPATE IN AN AFTER ACTION REVIEW (AAR).

ALL COSTS, UNLESS OTHERWISE SPECIFIED, RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN. FAILURE TO PERFORM THE REQUIREMENTS OF THIS PLAN NOTE WILL RESULT IN A DAILY FINE OF 2% OF ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN AND MAY RESULT IN ONE OR MORE CONTRACTOR TIM CONTACTS BEING REMOVED FROM THE LIST OF OHIO TIM TRAINED INDIVIDUALS (AT THE SOLE DISCRETION OF THE OHIO TIM EXECUTIVE COMMITTE). IN THE EVENT AN INDIVIDUAL IS REMOVED FROM THE OHIO TIM TRAINED LIST, THE INDIVIDUAL WILL BE REMOVED FROM CONTRACTOR TIM CONTACT RESPONSIBILITIES ON ALL PROJECTS.

#### 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.

#### PRE-MAINTENANCE OF TRAFFIC MEETING

A PRE-MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD (MINIMUM 14 WORK DAYS) PRIOR TO WORK BEGINNING OR ANY CHANGE OF PHASING. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER (D06.MOT@DOT.OHIO.GOV) 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.

#### COORDINATION WITH ADJACENT PROJECTS

THE CONTRACTOR SHALL COORDINATE WORK WITH ODOT AND THE CONTRACTORS ON THE ADJACENT PROJECTS.

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COORDINATION SHALL BE MADE TO PREVENT CONFLICTING ADVANCE WARNING SIGNS, CONFLICTING DETOUR ROUTES, OVERLAPING/CONFLICTING LANE CLOSURES, AND TO ENSURE THAT A MINIMUM DISTANCE OF 2 MILES BETWEEN ADJACENT LANE CLOSURES IS MAINTAINED. THIS IS NOT AN EXHAUSTIVE LIST OF COORDINATION ITEMS THAT MAY NEED TO BE RESOLVED BETWEEN PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO DECIDE WHICH PROJECT'S ACTIVITIES TAKE PRECEDENCE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WILL CONSIDER THIS AN EXCUSABLE, NON-COMPENSABLE DELAY PER 108.06.B. ON PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WHERE THE CONTRACTOR FAILED TO MEET THE NOTIFICATION REQUIREMENTS, THE DELAYS SHALL NOT BE CONSIDERED EXCUSABLE OR COMPENSABLE.

ATTENDANCE AT DEPARTMENT ORDERED TRAFFIC COORDINATION MEETINGS BETWEEN ADJACENT PROJECTS SHALL BE CONSIDERED MANDATORY FOR EACH PROJECT'S SUPERINTENDENT AND WORKSITE TRAFFIC SUPERVISOR (WTS), AND INCIDENTAL TO THE LUMP SUM MAINTENANCE OF TRAFFIC PAYMENT ITEM

#### ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS)

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:

CHRISTMAS NEW YEARS MEMORIAL DAY FOURTH OF JULY LABOR 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 OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDA Y	12:00 NOON FRI. THROUGH 6:00 AM MON.
MONDAY	12:00 NOON FRI. THROUGH 6:00 AM TUE.
TUESDAY	12:00 NOON MON. THROUGH 6:00 AM WED.
WEDNESDAY	12:00 NOON TUE. THROUGH 6:00 AM THUR.
THURSDAY	12:00 NOON WED. THROUGH 6:00 AM FRI.
THANKSGIVING	5:00AM WED. THROUGH 6:00 AM MON.
FRIDAY	12:00 NOON THUR. THROUGH 6:00 AM MON.
SATURDAY	12:00 NOON FRI. THROUGH 6:00 AM MON.

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).

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#### ITEM 614 WORK ZONE ARROW, CLASS I, AS PER PLAN

IN ADDITION TO THE SPECIFICATIONS OF CMS 614 THE WORK ZONE ARROWS SHALL BE LANE REDUCTION ARROWS AND SHALL BE 642 PAINT.

PAYMENT FOR THIS ITEM SHALL BE AT THE CONTRACT UNIT PRICE BID FOR EACH FUNISHED, INSTALLED, MAINTAINED AND REMOVED.

#### ITEM 618 RUMBLE STRIPS (ASPHALT CONCRETE), AS PER PLAN

THE CONTRACTOR SHALL MILL 2 INCHES BY 2 FEET WIDE OF THE EXISTING ASPHALT SHOULDER IN ORDER TO REMOVE THE EXISTING RUMBLE STRIPS ALONG I-71 NB IN THE AREA WHERE TRAFFIC IS SHIFTED. THE CONTRACTOR SHALL THEN COAT ALL MILLED SURFACES HORIZONTAL AND VERTICAL WITH APPROVED AC LIQUID. NEXT THE CONTRACTOR SHALL PLACE 2 INCHES OF ITEM 448 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-28.

ALL COST ASSOCIATED WITH THE REMOVAL OF THE EXISTING PAVEMENT AND PLACEMENT OF THE SURFACE COURSE SHALL BE INCLUDED IN UNIT PRICE BID PER FOOT OF ITEM 618 -RUMBLE STRIPS (ASPHALT CONCRETE), AS PER PLAN.

AN ESTIMATED QUANTITY OF 2800 FEET HAS BEEN CARRIED TO THE MAINTENANCE OF TRAFFIC SUBSUMMARY.

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

ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS TO COMPLETE ALL ITEMS DESCRIBED SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAING TRAFFIC.

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R) OPTICS (BEADS OR ELEMENTS), GLASS BEADS, AND TRAFFIC	THIS WORK CONSISTS OF FURNISHING AND APPLYING WET REFLECTIVE
INT ACCORDING TO 640, 740, AND THE ADDITIONAL QUIREMENTS SPECIFIED BELOW.	(WR) OPTICS (BEADS OR ELEMENTS), GLASS BEADS, AND SPRAY THERMOPLASTIC ACCORDING TO 640, 740, AND THE ADDITIONAL REQUIREMENTS SPECIFIED BELOW.
RNISH MATERIALS CONFORMING TO:	
TRAFFIC PAINT740.02 GLASS BEADS740.09	FURNISH MATERIALS CONFORMING TO: GLASS BEADS
RNISH ONE OF THE FOLLOWING WET REFLECTIVE OPTICS: 3M DNNECTED ROADS ALL WEATHER ELEMENTS SERIES 50/51, POTTERS DUSTRIES VISI-ULTRA, SWARCO DURALUX, OR APPROVED EQUAL.	FURNISH ONE OF THE FOLLOWING WET REFLECTIVE OPTICS: 3M CONNECTED ROADS ALL WEATHER ELEMENTS SERIES 50/51, POTTERS INDUSTRIES VISI-ULTRA, SWARCO DURALUX, OR APPROVED EQUAL.
ADDITION TO THE REQUIREMENTS OF 614.11, FURNISH EQUIPMENT PABLE OF APPLYING WR OPTICS AT THE TIME OF LINE ACEMENT.	IN ADDITION TO THE REQUIREMENTS OF 614.11, FURNISH EQUIPMENT CAPABLE OF APPLYING WR OPTICS AT THE TIME OF LINE PLACEMENT.
ISURE THE PAVEMENT SURFACE IS FREE OF LOOSE MATERIAL AND DMPLETELY DRY PRIOR TO THE APPLICATION OF THE PAVEMENT NRKINGS.	ENSURE THE PAVEMENT SURFACE IS FREE OF LOOSE MATERIAL AND COMPLETELY DRY PRIOR TO THE APPLICATION OF THE PAVEMENT MARKINGS.
ACE TRAFFIC PAINT AT A THICKNESS OF 20 MILS (508 M <sup>2</sup> ). DROP OPTICS FROM THE FORWARD-MOST BEAD APPLICATOR GUN AT A NIMUM RATE OF 7 POUNDS PER 100 SQUARE FEET (3.4 KG PER 10 . DROP GLASS BEADS AT A MINIMUM RATE OF 8 POUNDS PER 100 DUARE FEET (3.9 KG PER 10 M <sup>2</sup> ) FROM THE REAR BEAD APPLICATOR N.	PLACE SPRAY THERMOPLASTIC AT A THICKNESS OF 45 MILS (1.15 MM). DROP WET REFLECTIVE OPTICS FROM THE FORWARD-MOST BEAD APPLICATOR GUN AT A RATE OF 4 POUNDS PER 100 SQUARE FEET (1.9 KILOGRAM PER 10 M ) OF LINE. DROP GLASS BEADS AT THE RATE SPECIFIED IN 648.05 FOR SPRAY THERMOPLASTIC FROM THE REAR BEAD APPLICATOR GUN.
TE DEPARTMENT WILL MEASURE PAVEMENT MARKINGS COMPLETE IN ACE IN THE UNITS DESIGNATED. THE DEPARTMENT WILL MEASURE NE QUANTITIES AS THE LENGTH OF THE COMPLETED MARKING, CLUDING GAPS, INTERSECTIONS, AND OTHER SECTIONS OF VEMENT NOT NORMALLY MARKED. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT DINTRACT PRICES, OR PRICES ADJUSTED ACCORDING TO 641.11,	THE CONTRACTOR SHALL PLACE THE WORK ZONE PAVEMENT MARKINGS, SPRAY THERMOPLASTIC, AS PER PLAN PER ODOT SPECIFICATION 614.11 AND ODOT SPECIFICATION 648 WITH THE EXCEPTION ODOT SPECIFICATION 648.05 SHALL BE MODIFIED TO ALLOW PLACEMENT OF THE MATERIAL AT A TEMPERATURE OF NOT LESS THAN 35 DEGREES FAHRENHEIT.
ACCORDING TO 641.12, WITH THE PROVISIONS SPECIFIED 641.13.	THE DEPARTMENT WILL MEASURE PAVEMENT MARKINGS COMPLETE IN PLACE IN THE UNITS DESIGNATED. THE DEPARTMENT WILL MEASURE LINE QUANTITIES AS THE LENGTH OF THE COMPLETED MARKING, INCLUDING GAPS, INTERSECTIONS, AND OTHER SECTIONS OF PAVEMENT NOT NORMALLY MARKED.
	THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT CONTRACT PRICES, OR PRICES ADJUSTED ACCORDING TO 641.11, MEASURED ACCORDING TO 641.12, WITH THE PROVISIONS SPECIFIED IN 641.13.
	THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS AND AT TIMES AS DIRECTED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF C&MS 614.11.
	ITEM 614 WORK ZONE LANE LINE, CLASS I SPRAY THERMOPLASTIC, AS PER PLAN 4.5 MILE ITEM 614 WORK ZONE EDGE LINE, CLASS I SPRAY THERMOPLASTIC,
	AS PER PLAN7.8 MILE ITEM 614 WORK ZONE CHANNELIZING LINE, CLASS I, SPRAY THERMOPLASTIC, AS PER PLAN19811 FEET ITEM 614 WORK ZONE DOTTED LINE, CLASS I, SPRAY
	THERMOPLASTIC, AS PER PLAN6106 FEET

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MAINTENANCE OF TRAFFIC NOTES
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#### SHORT DURATION RAMP CLOSURES

FOR THE PURPOSE OF PERFORMING THE REQUIRED WORK OR WHEN REQUIRED BY THE INTERSTATE ENTRANCE RAMP CLOSURE NOTE, RAMPS MAY BE CLOSED FOR SHORT DURATIONS AND DETOURED IN ACCORDANCE WITH THE RAMP CLOSURE TABLE IF APPROVED BY THE ENGINEER. RAMP CLOSURES ARE SUBJECT TO DISINCENTIVES.

FOR ALL SERVICE RAMP CLOSURES LASTING MORE THAN 12 HOURS BUT LESS THAN 60 HOURS AND/OR, FOR ALL SYSTEM RAMP CLOSURES LASTING MORE THAN 12 HOURS BUT LESS THAN 24 HOURS

THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:

- A MINIMUM OF TWO PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) PLACED, AS DIRECTED BY THE ENGINEER, TO WARN DRIVERS OF THE CLOSURE AND TO PROVIDE THE DESIGNATED DETOUR ROUTE.
- POSITIVE GUIDANCE ALONG THE DETOUR ROUTE WITH DETOUR SIGNS (M4-9 SERIES) IN ACCORDANCE WITH THE DETOUR SIGNS NOTE.

FOR ALL RAMP CLOSURES LASTING LESS THAN 12 HOURS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING:

- A MINIMUM OF TWO PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) PLACED, AS DIRECTED BY THE ENGINEER, TO WARN DRIVERS OF THE CLOSURE AND TO PROVIDE THE DESIGNATED DETOUR ROUTE.

WHEN CLOSING ENTRANCE RAMPS, CORRESPONDING LEAD-IN LANES AND TURN LANES SHALL ALSO BE CLOSED.

IF A DESIGNATED DETOUR ROUTE IS NOT PROVIDED IN THE PLANS. TRAFFIC SHALL BE DIRECTED TO THE NEXT INTERCHANGE, IF AVAILABLE, TO TURN AROUND. IF THE USE OF THE NEXT INTERCHANGE IS NOT POSSIBLE, AN ALTERNATIVE DETOUR ROUTE SHALL BE PROVIDED BY THE ENGINEER.

SERVICE RAMP: INTERCHANGE RAMPS BETWEEN FREEWAYS (OR EXPRESSWAYS) AND NON-FREEWAYS (OR NONEXPRESSWAYS). THESE RAMPS PROVIDE ACCESS (CONNECTIONS) BETWEEN FREEWAYS/EXPRESSWAYS AND OTHER PRINCIPAL/MINOR ARTERIALS, COLLECTORS OR LOCAL ROADS.

SYSTEM RAMP: INTERCHANGE RAMPS (OR CONNECTORS) BETWEEN FREEWAYS (OR EXPRESSWAYS) AND FREEWAYS (OR EXPRESSWAYS).

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APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION(S) PORTIONS OF THE MOT PLANS AS DESCRIBED BELOW HAVE BEEN APPROVED BY THE MOT EXCEPTION COMMITTEE (MOTEC) OR THE PROJECT IMPACT ADVISORY COUNCIL (PIAC) PER TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

APPROVED MOT EXCEPTION(S) INCLUDE: CLOSURE OF THE 71NB TO 270WB RAMP FOR A WEEKEND (8PM FRIDAY - 5AM MONDAY)

A MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD A MINIMUM OF 30 CALENDAR DAYS PRIOR TO IMPLEMENTATION OF EACH APPROVED MOT EXCEPTION. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER AS WELL AS THE CONTRACTOR, WORKSITE TRAFFIC SUPERVISOR (WTS) AND ANY SUBCONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL.

IN ADDITION TO ANY NOTIFICATIONS REQUIRED IN OTHER NOTES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AT LEAST 3 BUSINESS DAYS IN ADVANCE OF IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE SO THAT THE PROJECT ENGINEER CAN SEND EMAIL NOTIFICATION TO THE OFFICE OF ROADWAY ENGINEERING, STATEWIDE TMC, DWZTM AND SPECIAL HAULING PERMITS AT LEAST 2 BUSINESS DAYS IN ADVANCE OF THE IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE. REFERENCE "EXCEPTION REQUEST APPROVAL DATED 02/20/2020 FOR PID 92615" IN THE NOTIFICATION AND OTHER CORRESPONDENCE.

ANY CHANGES TO THE MOT THAT IMPACT THE PREVIOUSLY APPROVED MOT EXCEPTION(S) LISTED ABOVE SHALL BE APPROVED IN WRITING BY THE APPLICABLE ODOT CENTRAL OFFICE COMMITTEE (MOTEC OR PIAC). IN THE EVENT THAT SUCH CHANGES ARE PROPOSED, THE REQUEST SHALL BE COORDINATED THROUGH THE DISTRICT WORK ZONE TRAFFIC MANAGER (DWZTM) A MINIMUM OF 30 CALENDAR DAYS PRIOR TO THE DESIRED IMPLEMENTATION DATE. IF THE DISTRICT AGREES WITH THE PROPOSED CHANGES THE DWZTM SHALL SEEK APPROVAL FROM THE APPLICABLE ODOT CENTRAL OFFICE COMMITTEE. IN THE EVENT THE PROPOSED CHANGES ARE APPROVED IN WRITING, THE CLOSURES ARE STILL SUBJECT TO NOTIFICATION REQUIREMENTS WITHIN THIS NOTE PRIOR TO IMPLEMENTATION.

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SECTION (SUM)Nome of the close of particular for the close of particular for the close of the cl	SECTION (SLM)	Number of		une ciosures di	re NOT permitte	ed:	Disincentive Amounts per	
$\frac{FRA-71}{Rod (9.53)} = \frac{FRA-71}{Rod (9.53)} = \frac{2}{2} + \frac{2}{10} + \frac{64t+894}{64t+894} = \frac{64t+894}{64t+894} = \frac{64t+894}{100} = \frac{1000}{100}$ Shingtown Road (9.53) to $\frac{2}{2} + \frac{2}{10} + \frac{54t+894}{2} = \frac{8}{64t+894} = \frac{64t+894}{64t+894} = \frac{1000}{100}$ $\frac{1}{99e} Road (11.52) + 100 + 700 + \frac{3}{3} + \frac{3}{10} + \frac{2}{2} + \frac{54t+944}{2} = \frac{8}{8} + \frac{8}{8} + \frac{8}{100} + \frac{8}{8} + \frac{8}{100} + \frac{8}{100} + \frac{1000}{100} = \frac{1000}{100} + \frac{1000}{100} = \frac{3}{3} + \frac{3}{10} + \frac{2}{2} + \frac{54t+944}{2} + \frac{8}{8} + \frac{8}{8} + \frac{8}{100} + \frac{8}{294t+794} = \frac{1000}{100} = \frac{1000}$		Lanes per	Lane Reduction	Mon to Fri	Sat	Sun	minute per	
Road (9.53)         2         2 to 1         SAM-SPM         SAM-SPM <thsam-spm< th=""> <thsam-spm< th=""> <thsam-< td=""><td></td><td></td><td></td><td>71</td><td>1</td><td>1</td><td></td><td></td></thsam-<></thsam-spm<></thsam-spm<>				71	1	1		
$\frac{byer Road (II.52)}{Road (II.52)} \frac{2}{10} = \frac{2}{10} \frac{1}{10} \frac{3 M PCH M}{3 M PC M} \frac{b M PC M}{b M PC M}$		2	2 to 1	6AM-8PM	6AM-7PM	6AM-7PM	\$100	
Byper Road (II,52) to Frank Road (I2,73)         3         10         2         294-FPW         Restriction         Restriction <threstriction< th=""> <t< td=""><td></td><td>2</td><td>2 to 1</td><td>5AM-10PM</td><td>6AM-8PM</td><td>6AM-8PM</td><td>\$200</td><td></td></t<></threstriction<>		2	2 to 1	5AM-10PM	6AM-8PM	6AM-8PM	\$200	
Rood (I2.79)         3         3 to 1         SAM-IOPM         6AM-8PM         6AM-8PM         1200           Frank Rood (I2.79) to 1-70 (I5.26)         3         3         to 2         SAM-TPM         7AM-9AM 8 2PM-TPM         1200           Short term shoulder closures are NOT permitted SAM-9AM and SPM-6PM Monday-Friday.         6AM-8PM         6AM-10PM         1200           Section (SUM)         Existing Minder of Lanes per Birection         Lane closures are NOT permitted:         Disincentive Amounts per minute per lane           US 23 (52.72) to 1-71 southbound (0.00)         2         2 to 1         SAM-9PM         6AM-TPM         6AM-7PM         1000           1-71 southbound (0.00) to 2         2         2 to 1         SAM-9PM         6AM-7PM         6AM-7PM         1000           1-20 mile west of 1-71 (0.60) 5 540 - Broad Street (7.04)         3         1 to 2         5AM-9PM         6AM-7PM         6AM-7PM         1000           12 are closures are NOT         3         1 to 2         2 to 1         5AM-9PM         6AM-7PM         1000           1-71 southbound (0.00) to 10         3         1 to 2         5AM-9PM         6AM-7PM         1000           12 to 1         5AM-9PM         6AM-7PM         6AM-7PM         1000         100           12 to 1	Dyer Road (11.52) to Frank	7	3 to 2		No Restriction	No Restriction	\$200	
$ \frac{1}{15260} \frac{1}{10} \frac{1}{1$		j	3 to 1	5AM-10PM	6AM-8PM	6AM-8PM	\$200	
Ib.201         3 to 1         5 MI-10PM         6 AM-8PM         6 MI-10PM         1200           Short term shoulder closures are NOT permitted 5AM-9AM and 3PM-6PM Monday-Friday.           SECTION ISLMI         Existing Number of Lanes per Direction         Lane closures are NOT permitted:         Disincentive Amounts per minute per lane           SECTION ISLMI         Existing Number of Lanes per Direction         Lane closures are NOT permitted:         Monto Fri         Sat         Sun           SECTION ISLMI         Existing Number of Lanes per Direction         Mon to Fri         Sat         Sun         minute per lane           SIG 2 2 to 1         SAM-9PM         6AM-7PM         6AM-7PM         8100           I-71 Southbound (0.00) to 10         2         2 to 1         SAM-9PM         6AM-7PM         6AM-7PM         8100           V2 mile west of 1-71 (0.60)         2         3 to 2         SAM-9PM         6AM-7PM         6AM-7PM         8100           Short ferm shoulder closures are NOT	Frank Road (12.79) to 1-70	_	3 to 2	5AM-7PM			\$200	
permitted 5AM-9AM and 3PM-6PM Monday-Friday.SECTION (SLMIExisting Number of Lanes per DirectionDisincentive Amounts per minute per laneI ane ReductionMon to FriSotDisincentive Amounts per minute per laneUS 23 (52.72) to I-71 southbound (0.00)22 to 15AM-9PM6AM-7PM6AM-7PM9100I ane Reduction22 to 15AM-9PM6AM-7PM6AM-7PM9100J at 0.23 to 25AM-9PM6AM-7PM6AM-7PM9100J at 0.15AM-9PM6AM-7PM6AM-7PM9100J at 0.15AM-9PM6AM-7PM6AM-7PM9100		3	3 to 1	5AM-10PM	6AM-8PM	6AM-10PM	\$200	
Direction         Reduction         mon rorrin         3.01         Jane           Jane         FRA-270         FRA-270         FRA-270         FRA-270         Star         Jane           US 23 (52.72) to I-71 southbound (0.00)         2         2 to 1         SAM-9PM         6AM-7PM         6AM-7PM         \$100           1-71 southbound (0.00) to /2 mile west of I-71 (0.60)         2         2 to 1         SAM-9PM         6AM-7PM         6AM-7PM         \$100           /2 mile west of I-71 (0.60)         2         3 to 2         SAM-9PM         6AM-7PM         6AM-7PM         \$100           /2 mile west of I-71 (0.60)         3         3 to 2         SAM-9PM         Restriction         Restriction         \$100           /5 40 - Broad Street (7.04)         3         to 1         SAM-9PM         6AM-7PM         \$100           Short term shoulder closures are NOT         Short term shoulder closures are NOT         \$100         \$100         \$100	SECTION (SLM)	Number of				ed:	Amounts per	
US 23 (52.72) to I-71 southbound (0.00)         2         2 to 1         5AM-9PM         6AM-7PM         6AM-7PM         \$100           I-71 southbound (0.00) to V2 mile west of I-71 (0.60)         2         2 to 1         5AM-9PM         6AM-7PM         6AM-7PM         \$100           V2 mile west of I-71 (0.60) to         2         3 to 2         5AM-9AM & 3PM-6PM         No Restriction         \$100           V2 mile west of I-71 (0.60) to         3         3 to 2         5AM-9AM & 3PM-6PM         No Restriction         \$100           V2 mile west of I-71 (0.60) to         3         5AM-9PM         6AM-7PM         6AM-7PM         \$100           V5 40 - Broad Street (7.04)         3         5AM-9PM         6AM-7PM         6AM-7PM         \$100           Short term shoulder closures are NOT         5AM-9PM         6AM-7PM         6AM-7PM         \$100		Direction	Reduction	Mon to Fri	Sat	Sun	lane	
I-71 southbound (0.00)       2       2 to 1       5AM-9PM       6AM-7PM       6AM-7PM       \$100         I-71 Southbound (0.00) to /2 mile west of I-71 (0.60)       2       2 to 1       5AM-9PM       6AM-7PM       6AM-7PM       \$100         /2 mile west of I-71 (0.60)       2       3 to 2       5AM-9PM       6AM-7PM       6AM-7PM       \$100         /2 mile west of I-71 (0.60)       3       3 to 2       5AM-9PM       8AM-7PM       Restriction       \$100         /2 mile west of I-71 (0.60)       3       5 AM-9PM       6AM-7PM       6AM-7PM       \$100         /3 to 1       5 AM-9PM       6 AM-7PM       6 AM-7PM       \$100         // S 40 - Broad Street (7.04)       3       5 AM-9PM       6 AM-7PM       6 AM-7PM       \$100         Short term shoulder closures are NOT       Short term shoulder closures are NOT       \$100       \$100       \$100	1		FRA-2	70	1			
1/2 mile west of I-71 (0.60)       2       2 to I       5AM-9PM       6AM-7PM       6AM-7PM       \$100         1/2 mile west of I-71 (0.60)       3       5       5AM-9AM & No Restriction       No Restriction       \$100         1/2 mile west of I-71 (0.60)       3       5       5AM-9AM & No Restriction       No Restriction       \$100         1/2 mile west of I-71 (0.60)       3       5       5AM-9AM & No Restriction       \$100         1/2 mile west of I-71 (0.60)       3       5       5AM-9AM & Restriction       \$100         1/2 mile west of I-71 (0.60)       3       5       5AM-9AM & Restriction       \$100         1/2 mile west of I-71 (0.60)       3       5       6AM-7PM       \$6AM-7PM       \$100         1/2 mile west of I-71 (0.60)       3       5       5       6       6       \$100         1/2 mile west of I-71 (0.60)       3       5       6       6       \$100       \$100       \$100       \$100         1/2 Model       5       5       6       6       No       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100       \$100		2	2 to 1	5AM-9PM	6AM-7PM	6AM-7PM	\$100	
1/2 mile west of 1-71 (0.60)       3       3 10 2       3PM-6PM       Restriction       BIUU         to       3       3       1       5AM-9PM       6AM-7PM       6AM-7PM       BIOO         US 40 - Broad Street (7.04)       3       to       1       5AM-9PM       6AM-7PM       6AM-7PM       BIOO         Short term shoulder closures are NOT		2	2 to 1	5AM-9PM	6AM-7PM	6AM-7PM	\$100	
US 40 - Broad Street (7.04) 3 to 1 5AM-9PM 6AM-7PM 6AM-7PM 8100 Short term shoulder closures are NOT		7	3 to 2			No Restriction	\$100	
		J	3 to 1	5AM-9PM	6AM-7PM	6AM-7PM	\$100	
permitted 5AM-9AM and 3PM-6PM Monday-Friday.								
	peri	mitted 5A	M-9AM and	3PM-6PM N	londay-Frid	ay.		
							]	

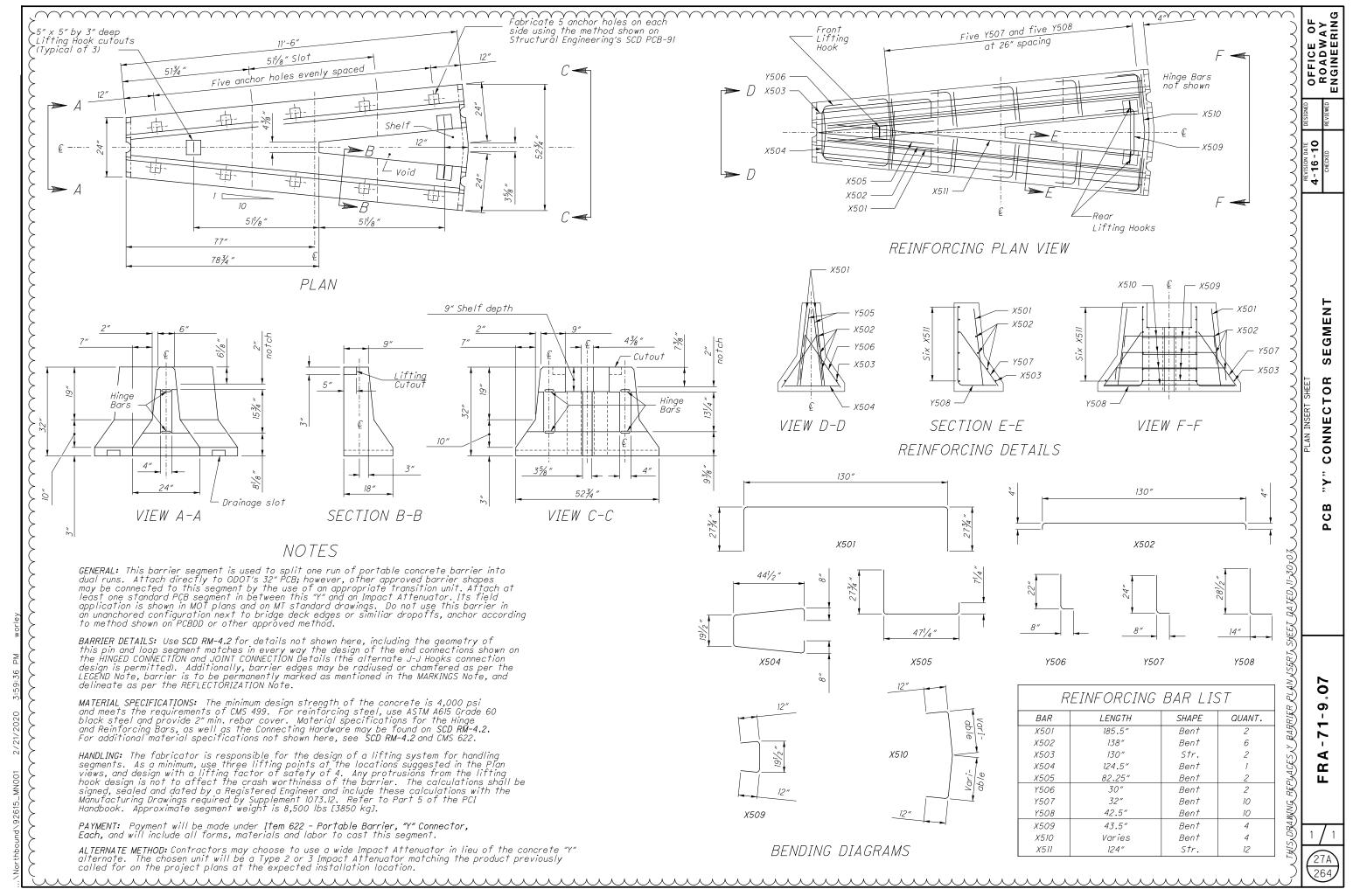
SECTION (SLM)Number of Lanes per DirectionLane (Insures of env) permitted: Lane ReductionAmounts per minute per laneSR 665 (6.09) to Stringtown Road (9.53)22 to 16AM-8PM6AM-7PM5M00Stringtown Road (9.53) to Dyer Road (11.52)22 to 15AM-10PM6AM-8PM6AM-8PM5200Dyer Road (11.52) to Frank Road (12.79)33 to 25AM-10PM6AM-8PM6AM-8PM5200Jerrank Road (12.79)3315AM-10PM6AM-8PM6AM-8PM5200Frank Road (12.79) to 1-70 (15.26)3315AM-10PM6AM-8PM6AM-8PM5200Short t term shoulder closures are NOT permitted 5AM-9AM and 3PM-6PM Monday-Friday.Sto05200	
FRA-71           SR 665 (6.09) to Stringtown Road (9.53)         2         2 to 1         6AM-8PM         6AM-7PM         6AM-7PM         \$100           Stringtown Road (9.53)         2         2 to 1         5AM-10PM         6AM-8PM         6AM-8PM         1200           Dyer Road (11.52)         2         2 to 1         5AM-10PM         6AM-8PM         6AM-8PM         1200           Dyer Road (11.52)         7         3 to 2         5AM-9AM & Restriction         No         Restriction         1200           Dyer Road (12.79)         3         3 to 1         5AM-10PM         6AM-8PM         6AM-8PM         1200           Frank Road (12.79)         3         3 to 2         5AM-7PM         Restriction         Restriction         1200           Frank Road (12.79)         3         5AD - 2         5AM-7PM         6AM-8PM         6AM-8PM         1200           If rank Road (12.79) to 1-70         3         5AD - 2         5AM-7PM         7AM-9AM & 7	
Road (9.53)         2         2 10 1         6AM-8PM         6AM-1PM         6AM-1PM         5U0           Stringtown Road (9.53) to Dyer Road (11.52)         2         2 to 1         5AM-10PM         6AM-8PM         6AM-8PM         1200           Dyer Road (11.52)         2         1         5AM-10PM         6AM-8PM         6AM-8PM         1200           Dyer Road (11.52)         10         5AM-10PM         6AM-8PM         6AM-8PM         1200           Dyer Road (12.79)         3         1         5AM-10PM         6AM-8PM         6AM-8PM         1200           Frank Road (12.79) to 1-70 (15.26)         3         5AD         5AM-10PM         6AM-8PM         6AM-8PM         1200           Short term shoulder closures are NOT         Short term shoulder closures are NOT         1         5AM-10PM         6AM-8PM         1200	
Dyer Road (II.52)         Z         I         SAM-IOPM         BAM-BPM         BZOO           Dyer Road (II.52) to Frank Road (I2.79)         3         to 2         \$SAM-IOPM         Restriction         No Restriction         No         NO           Juper Road (II.52) to Frank Road (I2.79)         3         to 1         \$SAM-IOPM         Restriction         No         No           Juper Road (I2.79)         3         to 1         \$SAM-IOPM         \$GAM-BPM         \$SAM-IOPM         SAM-IOPM         SAM-IOPM         SAM-IOPM         SAM-IOPM         SAM-IOPM         SAM-IOPM         SAM-IOPM         SAM-IOPM         SAM-IOPM         SIZOO         SIZOO         SIZOO         SIZOO         SAM-IOPM         SAM-IOPM         SAM-IOPM         SIZOO	
Dyer Road (II.52) to Frank Road (I2.79)31022PM-7PMRestrictionRestriction\$2003to I5AM-IOPM6AM-8PM6AM-8PM\$1200Frank Road (I2.79) to I-70 (I5.26)3to I5AM-7PM7AM-9AM & 2PM-7PM\$12003to I5AM-IOPM6AM-8PM\$1200Short term shoulder closures are NOT	
Road (12.79)       3 to 1       5AM-IOPM       6AM-8PM       6AM-8PM       1200         Frank Road (12.79) to 1-70 (15.26)       3 to 2       5AM-7PM       7AM-9AM & 2PM-7PM       1200         3 to 1       5AM-IOPM       6AM-8PM       1200         Short term shoulder closures are NOT       5AM-10PM       6AM-8PM       1200	
Frank Road (12.79) to 1-70 (15.26)     3     10.2     SAM-IPM     2PM-7PM     2PM-7PM     1200       3     to 1     5AM-IOPM     6AM-8PM     6AM-IOPM     1200       Short term shoulder closures are NOT	
(15.26)     3 to 1     5AM-IOPM     6AM-8PM     6AM-IOPM     \$200       Short term shoulder closures are NOT	
Existing Number of Lane closures are NOT permitted: Amounts per	
Section Island Lanes per Lane Mon to Fri Sat Sun minute per Direction Reduction Mon to Fri Sat Sun lane	
FRA-270	
US 23 (52.72) to I-71 southbound (0.00) 2 to 1 5AM-9PM 6AM-7PM 6AM-7PM \$100	
I-71 Southbound (0.00) to     2     2 to 1     5AM-9PM     6AM-7PM     6AM-7PM     \$100       V2 mile west of I-71 (0.60)     2     2 to 1     5AM-9PM     6AM-7PM     \$100	
V 2 mile west of 1-71 (0.60) to 3 to 2 5AM-9AM & No No Restriction Restriction \$100	
US 40 - Broad Street (7.04) 3 to 1 5AM-9PM 6AM-7PM 6AM-7PM \$100	
Short term shoulder closures are NOT	

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ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	SEE SHI
611	98631	1	ЕАСН	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	22
611	98635	2	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS FER FLAN	22
611	99661	1	EACH	MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	22
611	99655	1	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	22
614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN	22
614	11110	800	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	25
614	12346	11	EACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL), 32"	23
614	12420	LS		DETOUR SIGNING	
614	12484	3	EACH	WORK ZONE INCREASED PENALTIES SIGN	23
614	12500	50	EACH	REPLACEMENT SIGN	22
614	12600	100	EACH	REPLACEMENT DRUM	23
614	12801	999	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	25
614	13310	1517	EACH	BARRIER REFLECTOR, TYPE 1, ONE-WAY	25
614	13312	74	EACH	BARRIER REFLECTOR, TYPE 2, ONE-WAY	25
614	13350	504	EACH	OBJECT MARKER, ONE WAY	25
614	11630	23790	FT	INCREASED BARRIER DELINEATION	25
614	18601	2	SNMT	CONTRABLE, CHANGEABLE, MESSAGE, STOM, AS, PEP-RLAN	24
614	20011	7.00	MILE	( WORK ZONE LANE LINE, CLASS I, 6", AS PER PLAN, TRAFFIC PAINT )	26A
614	20011	4.50	MILE	WORK ZONE LANE LINE, CLASS I, 6", AS PER PLAN, SPRAY THERMOPLASTIC	26A
614	22011	14.40	MILE	WORK ZONE EDGE LINE, CLASS I, 6", AS PER PLAN, TRAFFIC PAINT	
614	22011	7.8	MILE	WORK ZONE EDGE LINE, CLASS I, 6", AS PER PLAN, SPRAY THERMOPLASTIC <	26A
614	23011	34518	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", AS PER PLAN, TRAFFIC PAINT	26A
614	23011	19811	FT	( WORK ZONE CHANNELIZING LINE, CLASS I, 12", AS PER PLAN, SPRAY THERMOPLASTIC )	26A
614	24001	1292	FT	( WORK ZONE DOTTED LINE, CLASS I, AS PER PLAN, 6", TRAFFIC PAINT	26A
614	24001	1292	FT	WORK ZONE DOTTED LINE, CLASS I, AS PER PLAN, 6", SPRAY THERMOPLASTIC	
614	24001	6987	FT	WORK ZONE DOTTED LINE, CLASS I, AS PER PLAN, 12", TRAFFIC PAINT	26A
614	24001	4814	FT	WORK ZONE DOTTED LINE, CLASS I, AS PER PLAN, 12", SPRAY THERMOPLASTIC	26A
614	25200	833	FT	Work Zone Transverse Dia Conal Line, CLASS 1, 642 PAINT	
614	30001	3	EACH	WORK ZONE ARROW, CLASS I, AS PER PLAN	26
614	98200	4	EACH	WORK ZONE PAVEMENT MARKING, MISC.: WORD ON PAVEMENT	22
614	98200	6	EACH	WORK ZONE PAVEMENT MARKING, MISC.: ROUTE SHIELD	22
615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
615	25000	454	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
616	10000	216	MGAL	WATER	22
618	40100	2800	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	26
622	41000	23790	FT	PORTABLE BARRIER, 32"	
622	41050	2	EACH	PORTABLE BARRIER, "Y" CONNECTOR	
808	18700	165	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	23

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	611	611	611	611	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	De
	AS	GRADE,	AS	PER		PATROL			SIGN			AS	ONE-WAY	2, ONE-WAY			AS <	6", AS	WORK ZONE LANE LINE, CLASS I, 6", AS	E EDGE LINE, CLASS I, 6", AS	WORK ZONE EDGE LINE, CLASS I, 6", AS	WORK ZONE CHANNELIZING LINE, CLASS I, 9	WORK ZONE CHANNELIZING LINE, CLASS I, 5	WORK ZONE DOTTED LINE, CLASS I, AS	WORK ZONE DOTTED LINE, CLASS I, AS PER PLAN, 6", SPRAY THERMOPLASTIC	WORK ZONE DOTTED LINE, CLASS I, AS PER PLAN, 12", TRAFFIC PAINT	WORK ZONE DOTTED LINE, CLASS I, AS	D
	GRADE,	10 (	GRADE,	, AS	MAINTAINING TRAFFIC, AS PER PLAN	H H L	ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL), 32"		ZONE INCREASED PENAL TIES			WORK ZONE RAISED PAVEMENT MARKER, PER PLAN	ONE	ONE	ΆY	INCREASED BARRIER DELINEATION	PORTABLE CHANCEABLE MESSAGE SIGN,	Ι, 6 NT	Ι, 6 LAS7	I, θ NT	Ι, 6 LAST	, CL	, CL	4SS AINT	4SS .	ASS .	4SS . DPLA	B
	TO GI	ED	10 (	RADE	S PE	ENFORCEMENT OFFICER WITH CAR FOR ASSISTANCE	. 32	D/	NAL	SIGN	NUP	NT N	~	°, ⊾	OBJECT MARKER, ONE WAY	L INE	SAG	ASS PAL	ASS MOPI	ASS PAL	ASS MOPI	LINE	LINE	IC P,	CL4	IC P	CL/	Ŕ
		BASIN RECONSTRUCTED AS PER PLAN	AN	0	С, А	TCEF	T AT	DETOUR SIGNING	) PE	VT S.	REPLACEMENT DRUM	'EME AN	TYPE	TYPI	5, 0	R DE	MES	LFIC	HER CL	LE CL	HER CL	ING I	ING 1	INE,	INE,	INE, RAFF	INE, THI	K
hase	ADJUSTED PER PLAN	NSTH ER F	RUC RUC	LAN	4 <i>FFI</i>	0FF ASS	PACT	IR SI	ASEL	EMEN	MEN	PAV 7 PL	OR,	ЭR,	RKEA	RIEF	GEABLE PEP-PJ	LINE	LINE	LINE	LINE	4N,	SPR,	ED L	ED L 'RAY	, TF	ED L PRAY	K
	PEH	ECO 4S P	PEF	USTE H	IR.	ENT FOR	E IM IREC	TOU	ICRE	REPLACEMENT	LACE	PEF	ECT	ECTO	MA	BAF	VCEA	ane an	ANE SPR.	л <i>GE</i> , 4N,	DGE SPR,	ANNE PL,	ANNE 4N,	017 1, 6"	011 , SF	011	011 , St	, Y
	BASIN ADJUSTED PER PLAN	NI Y	RECC	ADJ	NING	RCEM CAR	INOZ	DE	IE IV	REF	REP	RAI	REFL	REFL	JEC7	ISED		E L,	E L/ AN,	R EL	IE EL AN,	LER PER	S PL	VE D PLAN	ν, 6'	VE D 2LAN	VE D 1, 12	-
	H B	BAS	TE 1	,OLE	NTAI	NFOH	WORK (i		ZOI			ZONE	IER	IER /	OB	CRE,	BLE	PEI	R PL	PEF	ZON ZOV	ZON	ZON	PER .	PLAI	ER H	' ZOI	
	CATCH	CATCH	MANHOLE RECONSTRUCTED PER PLAN	MANHOLE ADJUSTED TO GRADE, PLAN	MAI	LAW E	M		WORK			JRK .	BARRIER REFLECTOR,	BARRIER REFLECTOR, TYPE		NI	PRTA	WORK ZONE LANE LINE, CLASS I, PER PLAN, TRAFFIC PAINT	IORK PE	WORK ZONE I PER P	IORK PE	ORK 12	ORK , AS	WORK H	VORK PER	VORK F	VORK PER	-
	EACH	े EACH	≥ EACH		LS	- HOUR	EACH	LS	EACH	EACH	EACH	≦ EACH	EACH		EACH	FT							1			FT	FT	
NOTES		1			1	800		1	3	50	100			2,1017	26		2	Ť		<u> </u>	MILE	<u>pic</u>		<u>ti</u>			Ú	
PHASE 1		,					4					238	391		129	6410		1.7		3.3		9017				999		_
PHASE 2	1	1		1			2					295	337	13	110	5460		2.2	2.2	4.4	4.4	8907	8907	247	247	2784	2784	_
PHASE 3							3					327	307	35	100	5000		2.3	2.3	3.4	3.4	10904			1045	2030	2030	
PHASE 4			1				2					139	482	26	139	6920		0.8		3.3		5690				1174		_
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OTALS	1	2	1	1	1	800	11	1	3	50	100	999	1517	74	504	23790	2	7.00	4.50	14.40	7.80	34518	19811	1292	1292	6987	4814	

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614	614	614	615	615	616	618	622	622	808	ED ED
PER PLAN	wisc.:	MISC.:				PHAL T		CTOR	SSEMBL Y	CALCULATED BPT CHECKED EMW
THE WORK ZONE ARROW, CLASS I, AS PER PLAN	WORK ZONE PAVEMENT MARKING, MISC.: WORD ON PAVEMENT	WORK ZONE PAVEMENT MARKING, MISC.: ROUTE SHIELD	ROADS FOR MAINTAINING TRAFFIC	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	WATER	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	PORTABLE BARRIER, 32"	PORTABLE BARRIER, "Y" CONNECTOR	Sign digital speed limit (DSL) sign assembly 80	TRAFFIC SUBSUMMARY
MOR										A M
EACH	EACH	EACH	LS	SY	MGAL	FT	FT	EACH		Σ
			1		216	2800			165	ns
							6410			UB
1							5460			S
2				454			5000	1		ပ
	4	6					6920	1		
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										2,9
3.00	4.00	6.00	1.00	454.00	216.00	2800	23790	2.00	165.00	264

				SH	EET N	UM.	•		•		PA	RT.	ITEM	ITEM	GRAND	UNIT	DI
20	21	28	81	85	242	249					01/IMS/P V	02/IMS/P V		ЕХТ	TOTAL		
	103			23,174 11,572							20,736 10,447	2,438 1,228	254 302	01000 46000	23,174 11,675	SY CY	PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH ASPHALT CONCRETE BASE, PG64-22
	105			7,506							7,506	1,220	302	20000	7,506	CY	AGGREGATE BASE
				12,163							10,883	1,280	407	20000	12,163	GAL	NON-TRACKING TACK COAT
				3,306							2,958	348	442	00100	3,306	CY	ANTI-SEGREGATION EQUIPMENT
				248							248	007	442	10001	248	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM,
				2,729 3,265							2,442 2,922	287 343	442 442	10100 10301	2,729 3,265	CY CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 N ASPHALT CONCRETE SURFACE COURSE, 12.5 MM,
				3,963							3,963	010	452	17010	3,963	SY	14" NON-REINFORCED CONCRETE PAVEMENT, CLAS
			18								18		609	24000	18	FT	CURB, TYPE 4-A
77		2,800									2,800		618	40101	2,800	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
33	10,830										2.33 10,830		618 875	40600 10000	2.33 10.830	MILE LB	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
	10,050										10,000		015	10000	10,000		
						22					22		625	00450	22	EACH	CONNECTION, FUSED PULL APART
						15					15		625	00480	15	EACH	CONNECTION, UNFUSED PERMANENT
						11					11		625	10490	11	EACH	LIGHT POLE. CONVENTIONAL. TRUSS ARM HIGH R
													625	14100	mhr	FACH	LIGHT ROLE FOUNDATION 24" X 8' DEER
						- <sup>1</sup>	uu	uu	h	uu	$\frac{1}{1}$	uu	625	15200		EACH	LIGHT TOWER FOUNDATION, 36" X 25' DEEP
						44					44		625	23200	44	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE
						1,980					1,980		625	23400	1,980	FT	NO-10-AWG POLE AND BRACKET CABLE
						5,272 44					5,272 44		625 625	24320	5,272 44	FT FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400
						1,175					1,175		625	25902	1,175	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"
						11					11		625	26253	11	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED),
						5,316					5,316		625	29000	5,316	FT	TRENCH
						5					5		625	30706	5	EACH	PULL BOX, 725.08, 24"
					- (	13					13		625 625	31510 32000	13	EACH EACH	PULL BOX REMOVED GROUND ROD
					(		h	uu	$\overline{\mathbf{u}}$	h					m		
						1						~~~~~	625	34001	how	EACH	POWER SERVICE AS PER PLAN
					5	1					1		625	35021	1	EACH	RE-ERECT EXISTING LIGHT TOWER. AS PER PLAN
					(										114,1901	$   \mathbf{u} \in \mathcal{U} $	PLASTIC CAUTION TAPE
					6	h				$\cdots$			~ <u>625</u> ~	75510	mim	EACH	POWER SERVICE REMOVED
					<u> </u>	furre	h	·····	h	uu	$\frac{1}{1}$	$\dots$	625	75540		EACH	LIGHT TOWER FOUNDATION REMOVED
					0.40						0.40		005	05400	0.40		TRAFI
-+					646 166						646 166		625 625	25408 25504	646 166	FT FT	CONDUIT, 2", 725.051 CONDUIT, 3", 725.051
					3,616						3,616		625	25750	3,616	F7 FT	CONDUIT, 3, 723.037 CONDUIT, 4", MULTICELL, 725.20 , EPC-40, SCH
					63						63		625	25900	63	FT	CONDUIT, JACKED OR DRILLED, 3", 725.04
					373						373		625	25900	373	FT	CONDUIT, JACKED OR DRILLED, 4" MULTICELL, 72
					57 527						57 527		625	25920	57 527	FT	CONDUIT, MISC.: CONDUIT DUCT BANK; (2) 4" MUL
					527 4,427						527 4,427		625 625	25920 29010	527 4,427	FT FT	CONDUIT, MISC.: CONDUIT DUCT BANK; (2) 4" MUL TRENCH, 30" DEEP
					2						2		625	29931	2	EACH	MEDIAN JUNCTION BOX, AS PER PLAN
					1						1		625	30700	1	EACH	PULL BOX, 725.08, 18″
-+					8						8		625	30711	8	EACH	PULL BOY 725 OP 324 AS DED DIAN DOUND
					8 12						8 12		625 625	31510	8 12		PULL BOX, 725.08, 32", AS PER PLAN, ROUND W PULL BOX REMOVED
					4						4		625	32000	4	EACH	GROUND ROD
					1						1		625	34001	1	EACH	POWER SERVICE, AS PER PLAN
					4,427						4,427		625	36000	4,427	FT	PLASTIC CAUTION TAPE
													070	20500		<b>EAC!</b>	
					6 549						6 549		632 632	26500 40500	6 549	EACH FT	DETECTOR LOOP SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
					549 1,450						549 1,450		632	40500 65300	549 1,450	FT FT	LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR,
				+		+	l	ł		1	105		632	68200	105	FT	
					105						105		0.52		100		POWER LABLE, 2 CONDUCTOR, NO. 6 AWG
					105						1		632	70400	1	EACH	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG CONDUIT RISER, 2" DIAMETER

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DESCRIPTION	SEE Sheet No.	CALCULATED MSW CHECKED WAA
PAVEMENT TH VARIES)		
, TYPE A (446), AS PER PLAN, PG76-22M MM, TYPE A (446)	21	
I, TYPE A (447), AS PER PLAN ASS OC IP	21	
E), AS PER PLAN E)	26	
LIGHTING		SUMMARY
RISE, AT20B40		MM
2		
DO VOLT CABLES		GENERAL
D, AS PER PLAN, ASYMMETRIC, 480V, HIGH OUTPUT	247	GEI
	247	3
3		
IFFIC SURVEILLANCE		
CHEDULE 40	241	
725.20, EPC-80		
ULTICELL, 725.20, EPC-40 ULTICELL, 725.20, EPC-40, (1) 1-1/2″ 725.051	241 241	~
	241	9°01
W/PAD	241	- 1 -
	241	FRA - 71-9 .07
R, NO. 14 AWG		75
		264

			, ı	эпе — I	ET NUM.		 1	 		RT.	ITEM	ITEM	GRAND	UNIT	
215	217	220	242						01/IMS/P V	02/IMS/P V		ЕХТ	TOTAL		
															TRAFI
			2,150						2,150		804	15010	2,150	FT	FIBER OPTIC CABLE, 24 FIBER
			6,388						6,388		804	15050	6,388	FT	FIBER OPTIC CABLE, 288 FIBER
			1						1		809	65990	1	EACH	ITS DEVICE, MISC.: REMOVAL OF ITS AT
			1						1		809	67000	1		RAMP METER SYSTEM
			1						1		809	68900	1	EACH	SIDE-FIRED RADAR DETECTOR
			LS						LS		809	70000	LS		MAINTAINING ITS DURING CONSTRUCTION
63									63		620	00500	63		DELINEATOR, POST GROUND MOUNTED
4							 		4		620	11000	4	EACH	DELINEATOR, BRACKET MOUNTED
		611							611		621	00100	611	EACH	RPM
		400							400		621	54000	400	EACH	RAISED PAVEMENT MARKER REMOVED
	12								12		625	32000	12	EACH	GROUND ROD
		132							132		626	00102	132	EACH	BARRIER REFLECTOR, TYPE 1 (1 WAY)
		77							77		626 626	00102	77	EACH	BARRIER REFLECTOR, TYPE 2 (1 WAY)
	241 5								211 5		670	07100	241 5		
	241.5								241.5		630 630	03100 08210	241.5	FT FT	GROUND MOUNTED SUPPORT, NO. 3 POS GROUND MOUNTED SUPPORT, PIPE
	4								4		630	08600	4	EACH	SIGN POST REFLECTOR
	1					_			1		630	09051	1	EACH	TRIANGULAR SLIP BASE CONNECTION, AS
	2								2		630	20500	2	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.3
	1								1		630	20800	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.3
	m	2							$\sim$	<b>n</b>	630	21000	mm	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.3
`}_	2	<u>វ</u>						<u>ک</u>	2	3	630	35500	2		OVERHEAD SIGN SUPPORT, TYPE TC-7.6
_ک	2	3					-	<u> </u>	$\frac{2}{\sqrt{2}}$	3	630	45500	Lugur	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-7.6
)	3	<u> </u>							3	~	630 630	75000 <b>\</b> 79611	3	EACH EACH	SIGN ATTACHMENT ASSEMBLY SIGN SUPPORT ASSEMBLY, BARRIER MOU
	157.05												157.05		
	157.25 68								157.25 68		630 630	80100 80200	157.25 68	SF SF	SIGN, FLAT SHEET SIGN, GROUND MOUNTED EXTRUSHEET
	1,906								1,906		630	80224	1,906	SF	SIGN, OVERHEAD EXTRUSHEET
	2								2		630	81021	2		CONCRETE MEDIAN BARRIER SIGN BRACK
	3								3		630	84010	3	EACH	CONCRETE BARRIER MEDIAN OVERHEAD S
	9								9		630	84510	9	EACH	RIGID OVERHEAD SIGN SUPPORT FOUNDA
	1								1		630	84600	1	EACH	GROUND MOUNTED PIPE SUPPORT FOUND
	15								15		630	84900	15	EACH	REMOVAL OF GROUND MOUNTED SIGN AN
	18 1								18 1		630 630	86002 86272	18 1	EACH EACH	REMOVAL OF GROUND MOUNTED POST SU REMOVAL OF GROUND MOUNTED PIPE SU
													,		
	19								19		630	87400	19	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN
	4								4		630 630	89706 89802	4	EACH EACH	REMOVAL OF OVERHEAD SIGN SUPPORT REMOVAL OF OVERHEAD SIGN SUPPORT
		6.23 2.53							6.23 2.53		644 644	00104 00204	6.23 2.53	MILE MILE	EDGE LINE, 6" LANE LINE, 6"
		2.55 11,676							2.55 11,676		644	00204	2.55 11,676	FT	CHANNELIZING LINE, 12"
		657				-			657		644	00720	657	FT	CHEVRON MARKING
		2							2		644	01350	2	EACH	LANE REDUCTION ARROW
													2.512		
		3,517 2,420							3,517 2,420		644 644	01510 30000	3,517 2,420	FT FT	DOTTED LINE, 6" REMOVAL OF PAVEMENT MARKING
													,		
		0.85					 		0.85		646	10010	0.85	MILE	EDGE LINE, 6"
		0.26							0.26		646	10110	0.26	MILE	LANE LINE, 6"
		186 24							186 24		646 646	10310 10400	186 24	FT FT	CHANNELIZING LINE, 12" STOP LINE
						•							I		

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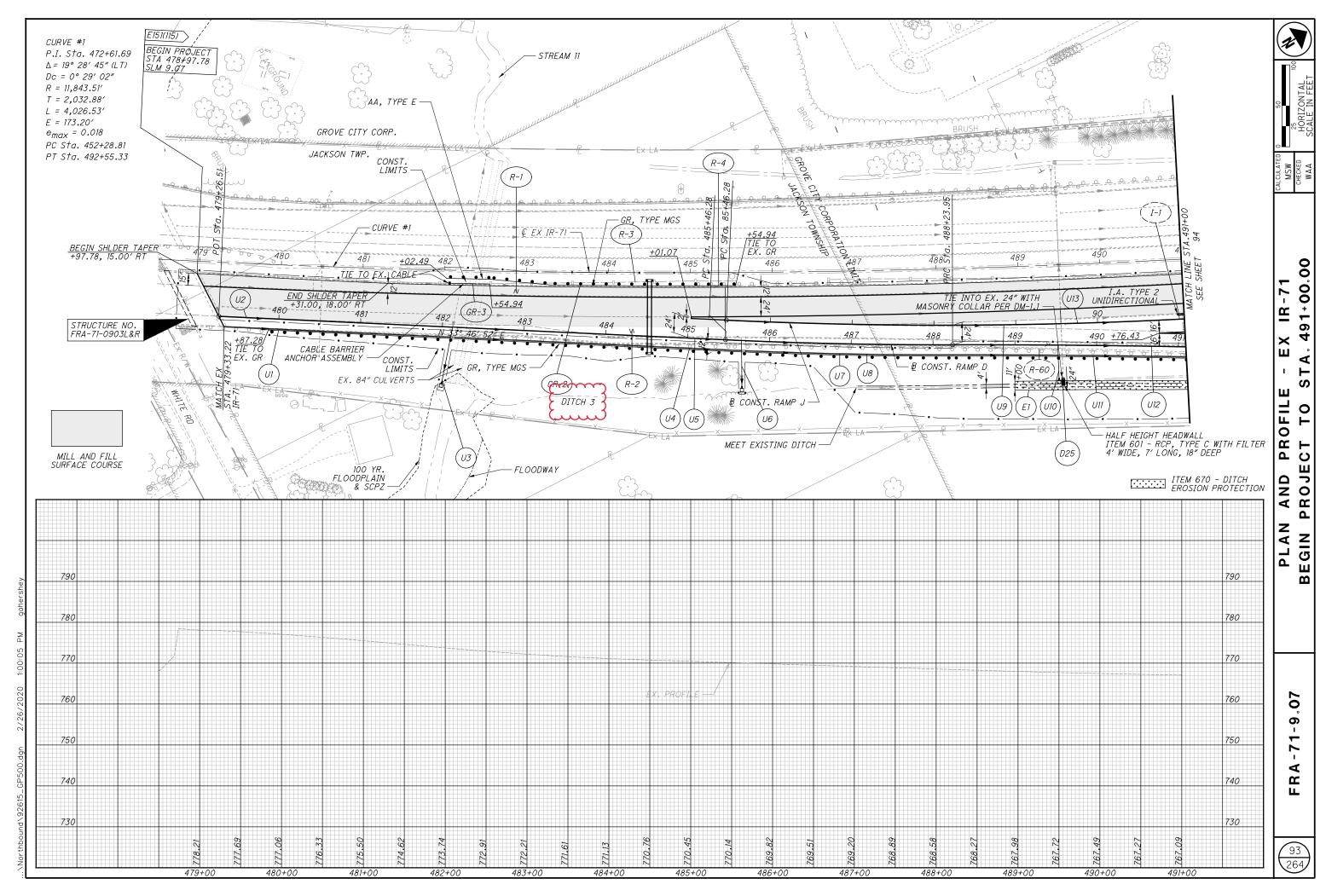
	SEE	_ATED SW KED
DESCRIPTION	SHEET NO.	CALCULATED MSW CHECKED WAA
FFIC SURVEILLANCE (CONT.)		-
		-
ATR LOCATION ID=39625	241	-
ON	241 241	
		-
TRAFFIC CONTROL		-
		-
		AR Y
		W N
DST		SUMMARY
AS PER PLAN	214	
2.30, DESIGN 5 2.30, DESIGN 8		GENERAL
2.30, DESIGN 10		U U U
.65, DESIGN 6 .65, DESIGN 8		GE
OUNTED, AS PER PLAN	214	-
CKET, AS PER PLAN	214	-
D SIGN SUPPORT FOUNDATION, TYPE TC-21.50 DATION		-
NDATION AND DISPOSAL		-
SUPPORT AND DISPOSAL SUPPORT AND DISPOSAL		
N AND DISPOSAL		-
T AND DISPOSAL, TYPE TC-12.30 T AND DISPOSAL, TYPE TC-7.65		-
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	 	 	SHEET	NUM.						PAI		ITEM	ITEM	GRAND	UNIT	
28										01/IMS/P V	02/IMS/P V		EXT	TOTAL	UNIT	
																М,
800										800		614	11110	800	HOUR	LAW ENFORCEMENT OFFICER WITH PATH
23,790										23,790		614	11630	23,790	FT	INCREASED BARRIER DELINEATION
11 LS		 								11 LS		614 614	12346 12420	11 LS	EACH	WORK ZONE IMPACT ATTENUATOR (UNIL DETOUR SIGNING
										2.5		014	12 120	25		
3										3		614	12484	3	EACH	WORK ZONE INCREASED PENALTIES SIG
50										50		614	12500	50	EACH	REPLACEMENT SIGN
100 999										100 999		614 614	12600 12801	100 999	EACH EACH	REPLACEMENT DRUM WORK ZONE RAISED PAVEMENT MARKER
1,517										1,517		614	13310	1,517	EACH	BARRIER REFLECTOR, TYPE 1, ONE-WA
74										74		614	13312	74	EACH	BARRIER REFLECTOR, TYPE 2, ONE-WA
504 2										504 2		614	13350 <del>~18601 ~</del>	504	EACH	OBJECT MARKER, ONE WAY PORTABLE-CHANGEABLE MESSAGE SIGN
7										2	(	614	20011	7	MILE	WORK ZONE LANE LINE, CLASS I, 6", A
4.5										4.5	8	614	20011	4.5	MILE	WORK ZONE LANE LINE, CLASS I, 6", A
											8					
14.4										14.4	¥	614	22011	14.4	MILE	WORK ZONE EDGE LINE, CLASS I, 6", A
7.8 34,518										7.8 34,518	{	614 614	22011 23011	7.8 34,518	MILE FT	WORK ZONE EDGE LINE, CLASS I, 6", A WORK ZONE CHANNELIZING LINE, CLASS
19,811										19,811	— X	614 614	23011	19,811	FT	WORK ZONE CHANNELIZING LINE, CLASS
1,292										1,292	<u> </u>	614	24001	1,292	FT	WORK ZONE DOTTED LINE, CLASS I, AS
											8					
6,987		 								6,987	X	614	24001	6,987	FT	WORK ZONE DOTTED LINE, CLASS I, AS
1,292 4,814										1,292	8	614 614	24001 24001	1,292	FT FT	WORK ZONE DOTTED LINE, CLASS I, AS WORK ZONE DOTTED LINE, CLASS I, AS
4,014 833										4,814 833	<u>۲</u>	014 16/4	24001	4,814	$\frac{r}{\nu r}$	WORK ZONE DOTTED LINE, CLASS I, AS
3	 									3		614	30001	3	EACH	WORK ZONE ARROW, CLASS I, AS PER
4										4		614	98200	4	EACH	WORK ZONE PAVEMENT MARKING, MISC.
6										6 LS		614 615	98200	6 LS	EACH	WORK ZONE PAVEMENT MARKING, MISC. ROADS FOR MAINTAINING TRAFFIC
LS 454										 454		615 615	10000 25000	454	SY	PAVEMENT FOR MAINTAINING TRAFFIC
216										216		616	10000	216	MGAL	WATER
3,790										23,790		622	41000	23,790	FT	PORTABLE BARRIER, 32"
2 165		 								2 165		622	41050	2 165	EACH	PORTABLE BARRIER, "Y" CONNECTOR DIGITAL SPEED LIMIT (DSL) SIGN ASSEM
165										165		808	18700	165	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEN
		 								LS	LS	108	10000	LS		CPM PROGRESS SCHEDULE
LS										LS 14	LS 2	614 619	11001 16021	LS 16	MNTH	MAINTAINING TRAFFIC, AS PER PLAN FIELD OFFICE, TYPE C, AS PER PLAN
	 									LS	LS	623	10000	LS	IVIIN I I I	CONSTRUCTION LAYOUT STAKES AND S
										LS	LS	624	10000	LS		MOBILIZATION
T	 		]						T							
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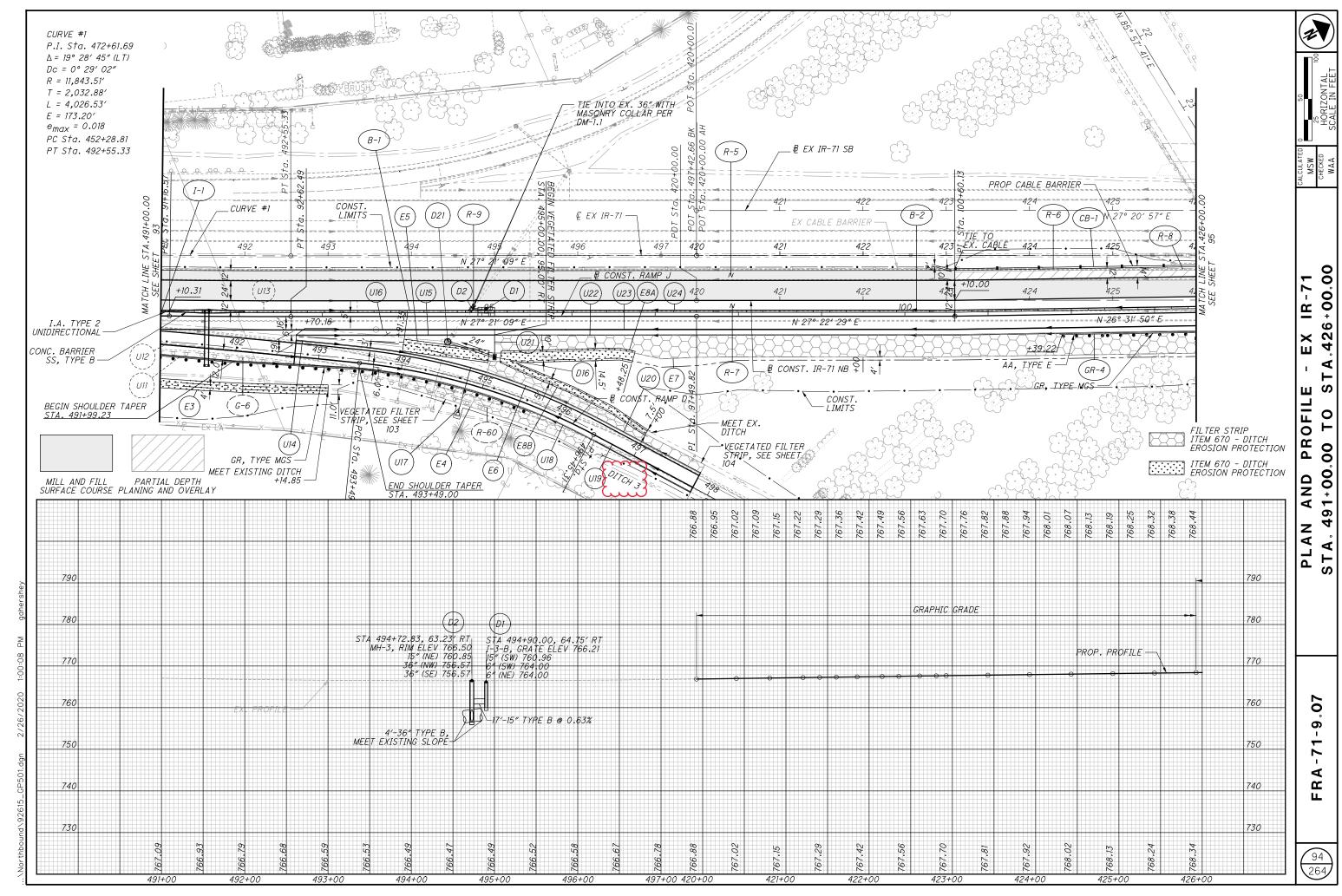
DESCRIPTION	SEE Sheet No.	CALCULATED MSW CHECKED WAA
MAINTENANCE OF TRAFFIC		
ROL CAR FOR ASSISTANCE	25	
DIRECTIONAL), 32"	25 23	
DIRECTIONAL), 52		
N	23 22	
	23	
R, AS PER PLAN	25	
Y	25	
17	25	
	25	
AS PER PLAN, TRAFFIC PAINT	24 26A	2
AS PER PLAN, SPRAY THERMOPLASTIC	26A 26A	~~~~
AS PER PLAN, TRAFFIC PAINT	26A	S R
AS PER PLAN, SPRAY THERMOPLASTIC	26A	
S I, 12", AS PER PLAN, TRAFFIC PAINT S I, 12", AS PER PLAN, SPRAY THERMOPLASTIC	26A 26A	
S PER PLAN, 6", TRAFFIC PAINT	26A	GENERAL SUMMARY
	004	SI
S PER PLAN, 12", TRAFFIC PAINT S PER PLAN, 6", SPRAY THERMOPLASTIC	26A 26A	3.
S PER PLAN, 12", SPRAY THERMOPLASTIC	26A	AL
WEY CLASSY 642 PAINT	$\dots$	R A
PLAN	26	ш
.: WORD ON PAVEMENT	22	
.: ROUTE SHIELD	22	5
CLASS B		-
	22	
MBL Y	23	
INCIDENTALS		
	22	
	21	
SURVEYING		
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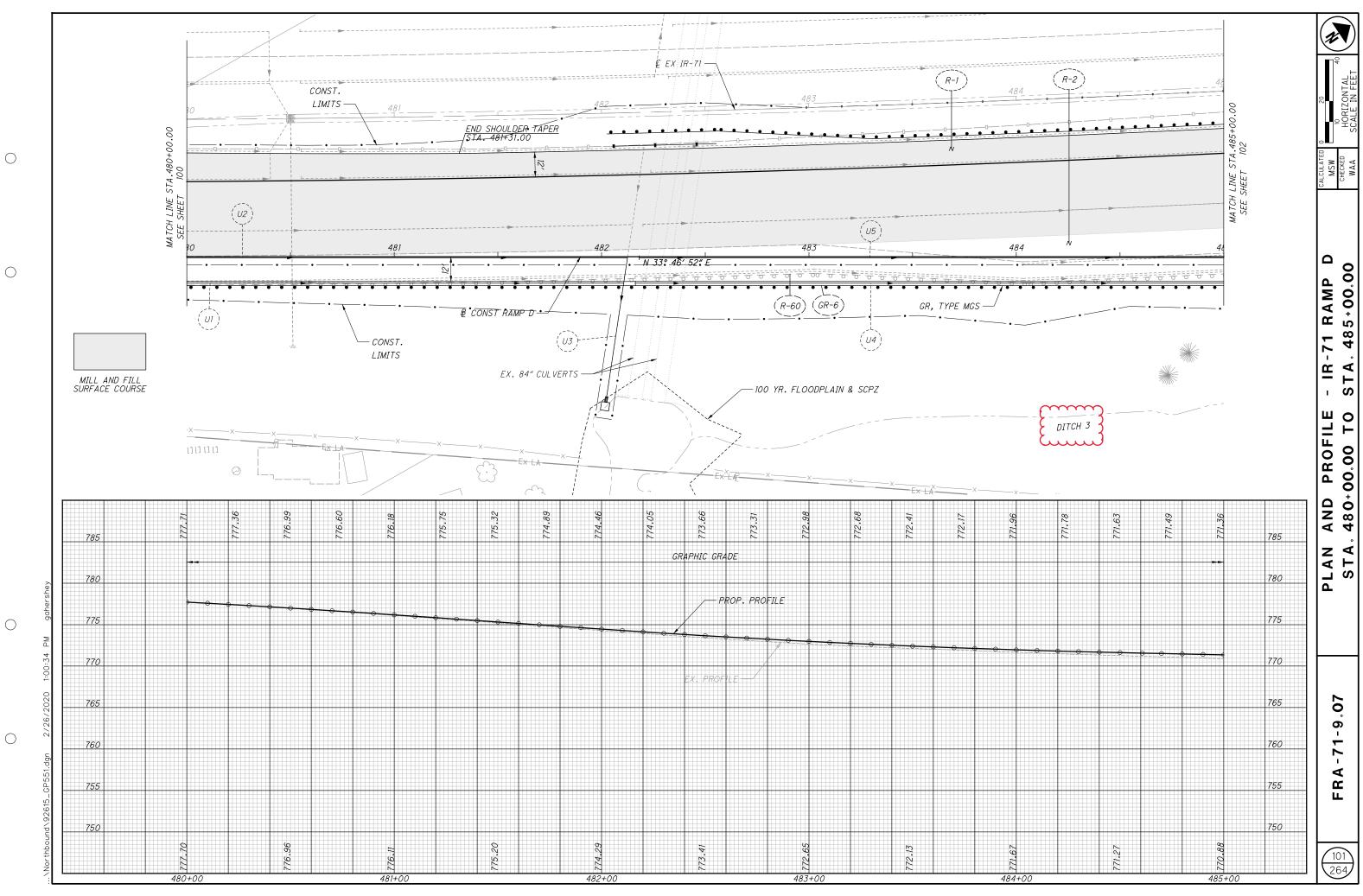
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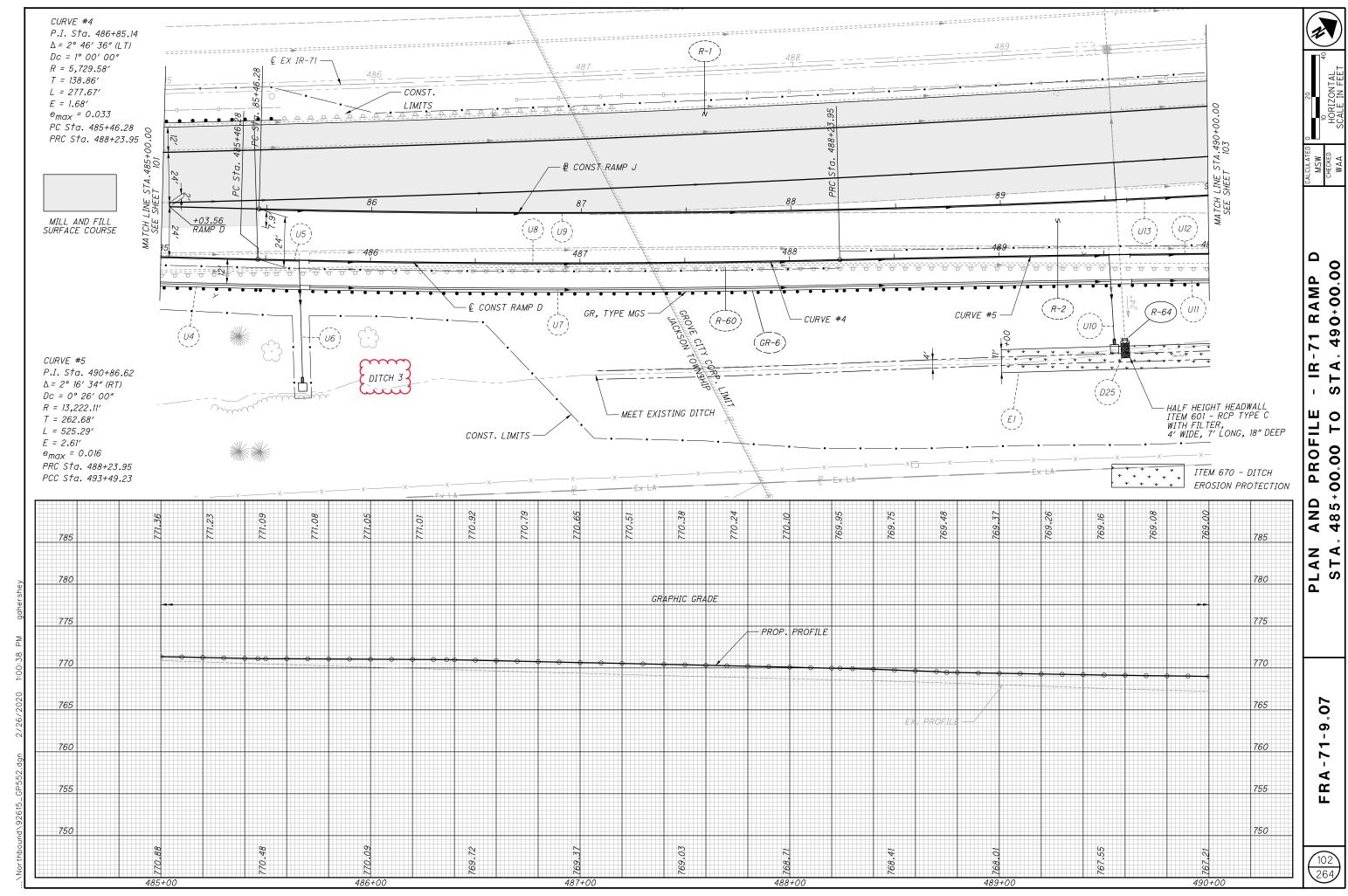
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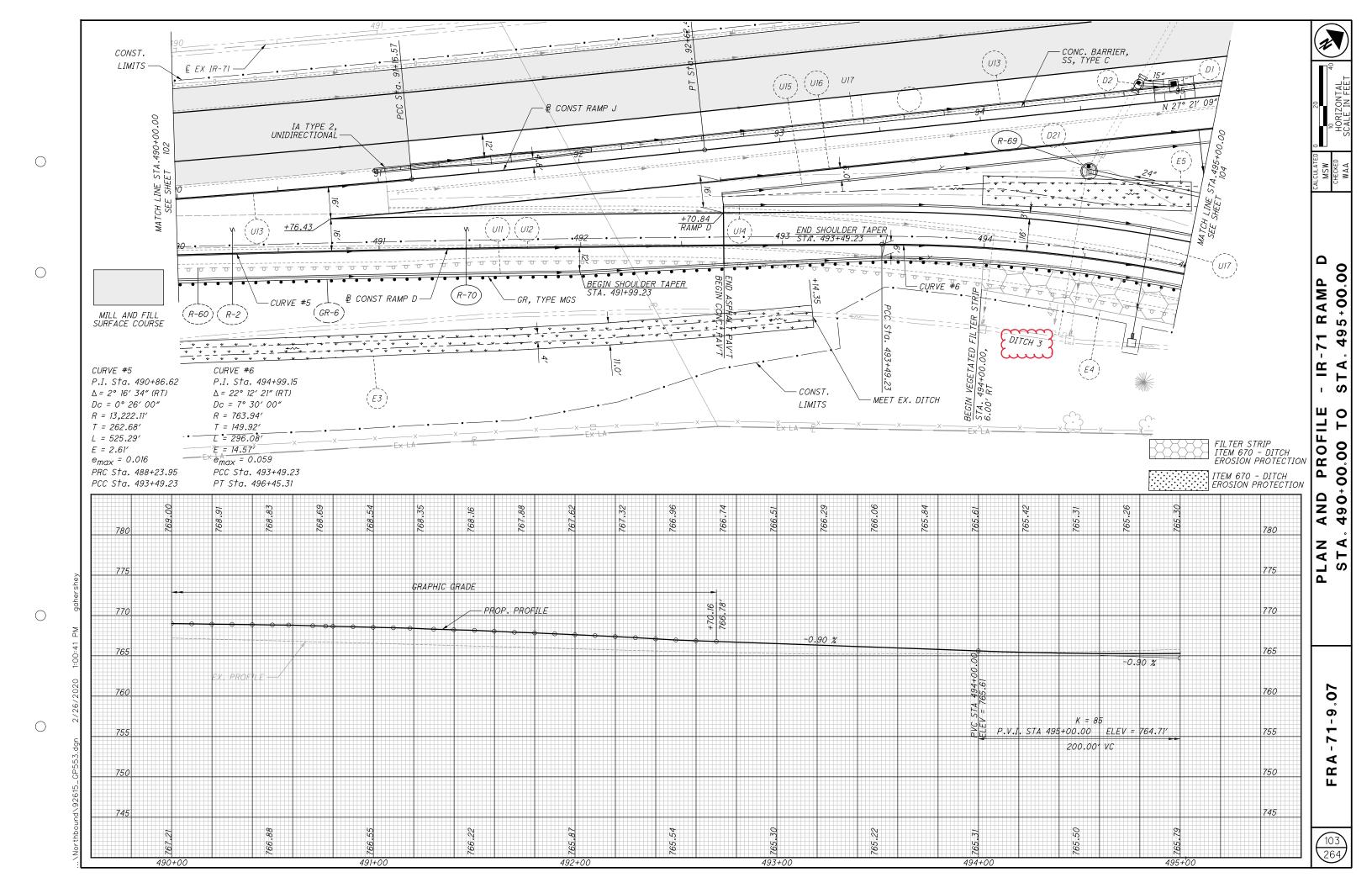
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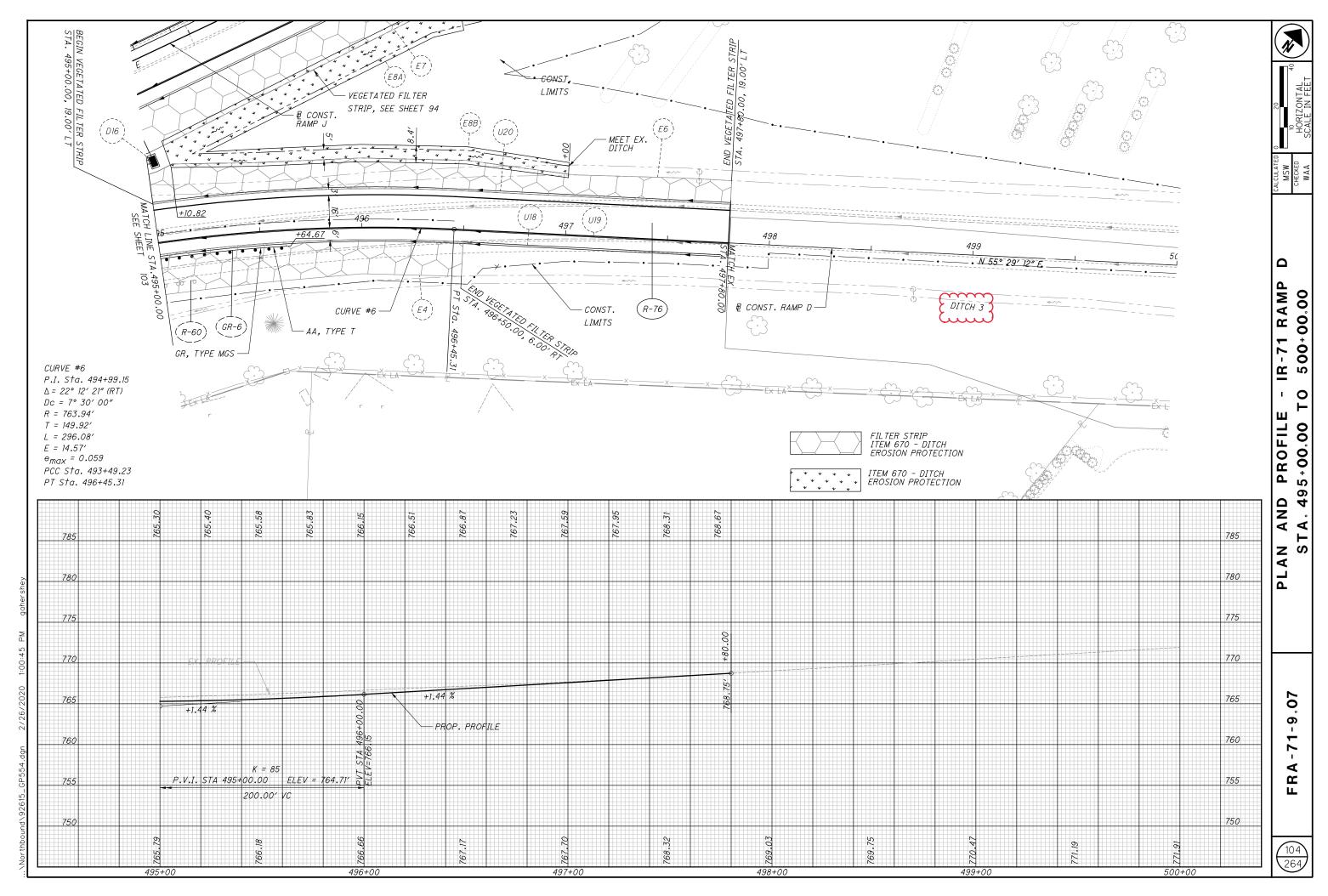




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								625	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	T
	0							025	0.50	0.50	050							>		050	050	0.50	830	2
SHEET NO.	REFERENCE NO	LOCATION	STATION	SIDE	CODE		IZE CHES )	GROUND ROD	GROUND MOUNTED SUPPORT, NO. 3 POST	GROUND MOUNTED SUPPORT, PIPE	SIGN POST REFLECTOR	TRIANGULAR SLIP BASE CONNECTOR, AS PER PLAN	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 5	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 8	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 10	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 6	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 8	SIGN ATTACHMENT ASSEMBLY	SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED, AS PER PLAN	SIGN, FLAT SHEET	SIGN, GROUND MOUNTED EXTRUSHEET	SIGN, OVERHEAD EXTRUSHEET	CONCRETE MEDIAN BARRIER SIGN BRACKET, AS PER PLAN	m CONCRETE BARRIER MEDIAN
	R								l s		l v	L Q	95	95	95	95	95	SIGN	BAF		S		20	l <u>S</u>
								EACH	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SF	SF	SF	EACH	E
007	0.10	10 71	445 145	OT						<u> </u>	<u> </u>										<u> </u>	<b> </b>		+
227	R-10 S-7	IR-71 IR-71	445+45 445+45	RT RT	I-H2C	36	X 24		26	<u> </u> '										6		<u> </u>		+
	OS-7	IR-71	448+00	RT	PULL THRU	144	X 84	2		1						1				_		84		1
					ADV. OVHD.		X 108															117		
					R14-2 ADV. OVHD.	36	X 36 X 108			<u> </u> '										9		99	-	+
					AUV. OVHU.	152	X 108			<u> </u> '												99		+
	R-11	IR-71	448+00	RT																				+
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2", 725.051		FT	646	25408	625
3", 725.051		FT	166	25504	625
4", MULTICELL, 725.20 , EPG		FT	3,616	25750	625
JACKED OR DRILLED, 3", 725		FT	63	25900	625
JACKED OR DRILLED, 5, 720		FT	373	25900	625
MISC.: CONDUIT DUCT BANK;	C	FT	57	25920	625
MISC.: CONDUIT DUCT BANK;		FŤ	527	25920	625
30" DEEP		FT	4,427	29010	625
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′, 725.08, 18″		EACH	1	30700	625
, 725.08, 32″, AS PER PLAN,	I P	EACH	8	30711	625
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ABLE, 2 CONDUCTOR, NO. 6 A		FT	105	68200	632
RISER, 2" DIAMETER		EACH	1	70400	<i>632</i>
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#### UTILITY NOTIFICATION

THE OHIO DEPARTMENT OF TRANSPORTATION HAS UTILITY FACILITIES (HIGHWAY LIGHTING, TRAFFIC SIGNALS, ITS) WITHIN THE LIMITS OF THIS PROJECT.

IN ADDITION TO THE INFORMATION OUTLINED IN THE UTILITY NOTE OF THIS CONTRACT, AND EVEN THOUGH ODOT IS LISTED AS A MEMBER OF OHIO811, THE CONTRACTOR ON THIS PROJECT IS REQUIRED TO CONTACT ODOT, DISTRICT 6, TRAFFIC DEPARTMENT, AND ITS DIRECTLY SO THAT THE ODOT UTILITIES, LOCATED WITHIN THIS PROJECT, ARE MARKED.

THE CONTRACTOR SHALL NOTIFY DISTRICT 6, TRAFFIC AT 740-833-8198, ODOT ITS LAB AT 614-387-4113, AND THE PRO-JECT ENGINEER, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK, FOR THE NEED TO MARK ODOT OWNED UTILITIES.

THE ABOVE REQUIREMENTS ARE IN ADDITION TO SECTION 105.07 & 107.16 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE UTILITY NOTE.

THE CONTRACTOR SHALL NOTIFY OTHER UTILITIES THROUGH OHIO811 OR DIRECTLY A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY WORK.

THE COST FOR THE ABOVE DESCRIBED WORK IS INCIDENTAL TO THE OVERALL BID PRICE OF THE PROJECT.

#### HIGH VOLTAGE TEST WAIVED

THE HIGH VOLTAGE TEST SHALL NOT BE PERFORMED ON THE CIRCUITS CONSTRUCTED BY THIS PROJECT THAT TIE INTO AN EXISTING LIGHTING CIRCUIT, SINCE THE TEST COULD DAMAGE THE PORTION OF THE COMPLETED CIRCUIT WHICH HAS BEEN IN SERVICE PRIOR TO THIS PROJECT.

#### LIGHT TOWER DECALS

NEW LIGHT TOWER DECALS SHALL BE PLACED ON ALL PROPOSED LIGHT TOWERS TO MATCH THE ALPHA NUMBERIC IDENTIFIER AS DETAILED WITHIN THE PLANS TO CONFORM WITH THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE CONTRACTOR IS ALSO REQUIRED TO REMOVE AND DISPOSE OF EXISTING DECALS AND HAVE NEW ONES INSTALLED ON ALL EXISTING TOWERS TO REMAIN AND WHOSE IDENTIFICATION CALLOUTS ARE TO BE REASSIGNED PER THA PLANS. IDENTIFICATION OF THE LIGHT TOWERS AND THE REMOVAL OF ANY PREVIOUS IDENTIFIER SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

## 625. RE-ERECT EXISTING LIGHT TOWER. AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF INSTALLING AN EXISTING LIGHT TOWER REMOVED FROM A PREVIOUS LOCATION ON THE PROJECT SITE. WHEN REQUIRED, ADDITIONAL LUMINAIRE BRACKET ARMS SHALL BE ADDED TO THE EXISTING LUMINAIRE BRACKETS RELOCATED ALONG WITH THE NECESSARY ADJUSTMENTS AND ADDITIONS TO THE LUMINAIRE WIRING TO ENABLE THE LUMINAIRES TO BE MOUNTED SYMMETRICALLY AROUND THE LUMINAIRE MOUNTING RING. WHERE THE TOWER WILL BE INSTALLED ON A NEW FOUNDATION, NEW ANCHOR BOLTS SHALL BE FURNISHED. THE TOWER AND LOWERING MECHANISM SHALL BE CLEANED AND LUBRICATED. ANY REPAIRS AND ADJUSTMENTS NECESSARY TO RETURN THE TOWER AND MECHANISM TO GOOD OPERATING CONDITION SHALL BE MADE. THE EXISTING LIGHT TOWER IDENTIFICATION DECAL SHALL BE REMOVED, AND A NEW DECAL FOR THE NEW IDENTIFICATION NUMBER FURNISHED AND INSTALLED. PAYMENT SHALL BE MADE AT THE UNIT PRICE BID UNDER C&MS ITEM 625, RE-ERECT EXISTING LIGHT TOWER. AS PER PLAN FOR EACH TOWER RE-ERECTED WHICH SHALL INCLUDE ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

#### 625, POWER SERVICE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOLLOWING IS ADDED.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS: AMERICAN ELECTRIC POWER (DISTRIBUTION) 850 TECH CENTER DRIVE GAHANNA, OH 43230 CONTACT: PAUL PAXTON PHONE: 614-883-6831 EMAIL: p†paxton@aep.com

COORDINATION WITH ODOT DISTRICT 6: HIGHWAY LIGHTING 400 E. WILLIAM ST. DELWARE, OH 43015 PHONE: 740-833-8024

A UNIQUE POWER SERVICE ADDRESS IS ASSIGNED TO EACH LOCATION. THE CONTACT PERSON FOR THE OHIO DEPARTMENT OF TRANSPORTATION IS LISTED BELOW:

KEN GREEN ODOT DISTRICT 6 TRAFFIC ENGINEER 614-833-8198

THE CONTRACTOR SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADDRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS. THIS SHALL BE DONE NOT ONLY FOR EACH NEW POWER SERVICE ESTABLISHED BY THIS PROJECT BUT ALSO FOR EACH EXISTING POWER SERVICE, SINCE THERE MAY BE A REASSIGNMENT OF THE RESPONSIBILITY FOR AN EXISTING SERVICE AS A RESULT OF THE WORK PERFORMED BY THIS PROJECT.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM "625, POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

#### LUMINAIRE. CONVENTIONAL. SOLID STATE (LED). AS PER PLAN. ASYMMETRIC. 480V. HIGH OUTPUT

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIALS SPECIFICATIONS, CONVENTIONAL LED LUMINAIRES SHALL BE AS FOLLOWS:

LUMINAIRES SHALL BE FROM ODOT'S QUALIFIED PRODUCT LIST OF MANUFACTURERS OR EQUAL AS APPROVED BY THE ENGINEER.

THE MANUFACTURER/MODEL PROPOSED SHALL BE INDICATED AT THE TIME OF BID.

IES DISTRIBUTION(S) OF THE LUMINAIRE SHALL BE AS SHOWN IN THE PLANS.

TYPICAL LUMEN OUTPUT SHALL BE 22,000 MINIMUM OR AS APPROVED BY THE ENGINEER.

LUMINAIRE LED DRIVER(S) SHALL BE COMPATIBLE WITH 480VAC INPUT AS SHOWN IN THE PLANS, MODULAR, HAVE THE MANUFAC-TURER NAME AND PART NUMBER CLEARLY MARKED ON THE DRIVER ENCLOSURE, AND SHALL CARRY A MINIMUM 5-YEAR REPLACEMENT WARRANTY.

THE LED EMITTER ASSEMBLY SHALL CARRY A MINIMUM 5-YEAR REPLACEMENT WARRANTY, 10-YEAR STANDARD MANUFACTURER LIMITED WARRANTY.

#### LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, ASYMMETRIC, 480V, HIGH OUTPUT (CONTINUED)

THE LUMINAIRE ENCLOSURE SHALL BE RATED IP65, MINIMUM, AS PER IEC 60529, AND SHALL CARRY THE MINIMUM 5-YEAR RE-PLACEMENT WARRANTY WITH 10-YEAR STANDARD MANUFACTURER LIMITED WARRANTY.

A WRITTEN WARRANTY STATEMENT, SPARE PARTS LIST, AND MANUAL FROM THE LED SUPPLIER SHALL BE SUPPLIED TO THE ENGINEER BEFORE LUMINAIRES SHALL BE ACCEPTED BY ODOT.

SURGE PROTECTION SHALL BE 10KV/4KA MINIMUM, PER ANSI C62.41.2, AND THE MODULAR PACKAGE SHALL BE CLEARLY MARKED WITH THE MANUFACTURER AND PART NUMBER.

PAYMENT SHALL BE MADE AT THE UNIT BID PRICE, UNDER CMS ITEM "625, LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, ASYMMETRIC, 480V, HIGH OUTPUT", FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIAL AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

#### SPECIAL. MAINTAIN EXISTING LIGHTING

EXISTING ROADWAYS WHICH ARE TO REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION OF THIS PROJECT AND WHICH ARE LIGHTED SHALL HAVE THE LIGHTING MAINTAINED AS DESCRIBED HEREIN.

BEFORE ANY WORK IS STARTED IN THE IMMEDIATE VICINITY OF THE EXISTING LIGHTING CIRCUITS, REPRESENTATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR SHALL MAKE A VISUAL INSPECTION OF THE EXISTING ROADWAY LIGHTING CIRCUITS TO BE MAINTAINED. DURING THIS INSPECTION, A WRITTEN RECORD OF THE CONDITION OF EXISTING LIGHTING SHALL BE MADE BY ODOT'S REPRESENTATIVE. THIS WRITTEN REPORT SHALL NOTE INDIVIDUAL LUMINAIRES WHICH ARE NOT IN WORKING ORDER, INDIVIDUAL POLES WHICH ARE NOT STANDING, AND INDIVIDUAL CIRCUITS WHICH ARE NOT IN WORKING ORDER. THE COMPLETED REPORT SHALL BE SIGNED BY THE REPRESEN-TATIVES OF ODOT, THE MAINTAINING AGENCY AND THE CONTRACTOR.

IF, AS A RESULT OF THIS INSPECTION, IT IS DETERMINED THAT THE CONDITION OF THE EXISTING SYSTEM IS BELOW THAT REQUIRED FOR THE SAFETY OF THE TRAVELING PUBLIC, THEN THE MAINTAINING AGENCY SHALL MAKE THE REPAIRS NECESSARY TO RETURN THE SYSTEM TO AN ACCEPTABLE CONDITION. FOLLOWING THESE REPAIRS, THE SYSTEM SHALL AGAIN BE INSPECTED AND A REPORT SHALL BE MADE AND SIGNED AS OUTLINED HEREIN.

WHEN THE EXISTING SYSTEM IS IN AN ACCEPTABLE CONDITION, IT SHALL BE TURNED OVER TO THE CONTRACTOR WHO SHALL THEN BE REQUIRED TO MAINTAIN THE EXISTING LIGHTING TO THE CONDITION OUTLINED IN THIS REPORT WITH THE EXCEPTION OF KNOCKDOWNS DUE TO TRAFFIC ACCIDENTS.

REPLACEMENT OF KNOCKED DOWNED UNITS SHALL BE DONE ONLY WHEN THE ENGINEER HAS DETERMINED THAT THE REPLACEMENT OF THE KNOCKED DOWN UNIT IS NECESSARY AND SHALL BE PAID SEPARATELY ON A UNIT BASIS.

BETTERMENTS SHALL BE COVERED IN ITEMS OF WORK PERTAINING TO THE CONSTRUCTION OF PERMANENT IMPROVEMENT.

WHEN THE SEQUENCE OF CONSTRUCTION ACTIVITIES REQUIRES, OR SHOULD THE CONTRACTOR DESIRE, THE REMOVAL OF THE EXISTING LIGHTING BEFORE THE NEW LIGHTING IS OPERATIONAL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY LIGHTING OF THIS PORTION OF THE ROADWAY.

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**SPECIAL. MAINTAIN EXISTING LIGHTING (CONTINUED)** PRIOR TO INSTALLING SUCH LIGHTING, THE CONTRACTOR SHALL PREPARE AND SUBMIT FOUR SETS OF THE TEMPORARY LIGHTING PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.

THIS PLAN SHALL SHOW LOCATIONS OF POLES, LENGTHS OF BRACKET ARMS, STYLES OF LUMINAIRES, MOUNTING HEIGHTS, WIRING METHODS AND OTHER PERTINENT INFORMATION. THE TEMPORARY LIGHTING SHALL PROVIDE AN AVERAGE INITIAL INTENSITY OF 1.2 FOOTCANDLES WITH AN AVERAGE TO MINIMUM UNIFORMITY NOT TO EXCEED 3:1. MOUNTING HEIGHT OF TEMPORARY LUMINAIRES SHALL NOT BE LESS THAN 30 FEET, AND THE MINIMUM OVERHEAD CONDUCTOR CLEARANCE SHALL BE 20 FEET. TEMPORARY OVERHEAD CONSTRUCTION SHALL NOT BE LESS THAN GRADE "A" FOR STRENGTH REQUIREMENTS AS DEFINED BY THE NATIONAL ELECTRIC SAFETY CODE. WOOD POLES WITH OVERHEAD WIRING MAY BE USED. HOWEVER, TEMPORARY LIGHTING SHALL MEET FEDERAL AND STATE SAFETY CRITERIA. IF BREAKAWAY POLES ARE USED TO MEET THESE CRITERIA. THEN UNDERGROUND WIRING SHALL BE USED. RECONDITIONED OR USED MATERIALS MAY BE FURNISHED FOR TEMPORARY LIGHTING.

ALL MATERIALS NECESSARY TO COMPLETE THE TEMPORARY LIGHTING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WHEN NO LONGER NEEDED, THE TEMPORARY LIGHTING INSTALLATION SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

THE MAINTAINING AGENCY WILL PAY FOR ELECTRICAL ENERGY CONSUMED BY EXISTING POWER SERVICES AND BY PROPOSED PERMANENT POWER SERVICES AFTER ACCEPTANCE OF THE LIGHTING WORK. THE CONTRACTOR WILL PAY FOR ELECTRICAL ENERGY, INSTALLATION, REMOVAL AND MAINTENANCE OF ANY TEMPORARY POWER SERVICES.

WHEN THE PROJECT BEGINS AND THE CONTRACTOR HAS TAKEN OVER THE MAINTENANCE OF THE EXISTING SYSTEM, THE CONTRACTOR SHALL PROVIDE ALL REQUIRED LAYOUTS AND LOCATIONS OF THE EXISTING AND PROPOSED LIGHTING CIRCUITS WITHIN THE PROJECT LIMTS.

THE LUMP SUM PRICE BID FOR ITEM "SPECIAL, MAINTAIN EXISTING LIGHTING" HAS BEEN CARRIED TO THE LIGHTING SUMMARY AND SHALL INCLUDE PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO MAINTAIN THE EXISTING LIGHTING AS SPECIFIED HEREIN.

THE UNIT PRICE BID FOR ITEM "SPECIAL, REPLACEMENT OF EXISTING LIGHTING UNIT" PER EACH HAS BEEN CARRIED TO THE LIGHTING SUMMARY AND SHALL BE FULL PAYMENT FOR THE REPLACEMENT OF AN EXISTING LIGHTING UNIT WHICH HAS BEEN KNOCKED DOWN AFTER THE AFOREMENTIONED INSPECTION AND SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO PROVIDE A REPLACEMENT FOR SUCH UNIT.

#### 625, CONDUIT, 4", 725.05, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, CONDUIT, 4", 725.05, AS PER PLAN SHALL INCLUDE ALL EXPANSION FITTINGS AS INCIDENTAL TO THIS ITEM OF WORK.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR FEET FOR CMS ITEM "625, CONDUIT, 4", 725.05, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

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