

STATE OF OHIO DEPARTMENT OF TRANSPORTATION FRA-33-22.93

CITY OF COLUMBUS
FRANKLIN COUNTY

FEDERAL PROJECT NUMBER

E200 (814)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

PLANING AND STRUCTURAL RESURFACING OF 1.34 MILES OF US-33 WITHIN FRANKLIN COUNTY AND THE CITY OF COLUMBUS, BEGINNING AT SLM 22.93 AND ENDING AT SLM 24.27.

PLANING AND RESURFACING OF 0.70 MILES ON VARIOUS RAMPS AT THE US-33/SR-104 INTERCHANGE.

PLANING AND RESURFACING OF 0.27 MILES ON NB JAMES RD CONNECTOR.

PAVEMENT REPAIRS AT VARIOUS LOCATIONS WITHIN THE PROJECT LIMITS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A*

ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A*

NOTICE OF INTENT EARTH DISTURBED AREA: N/A(NOI NOT REQUIRED)*

*MAINTENANCE PROJECT

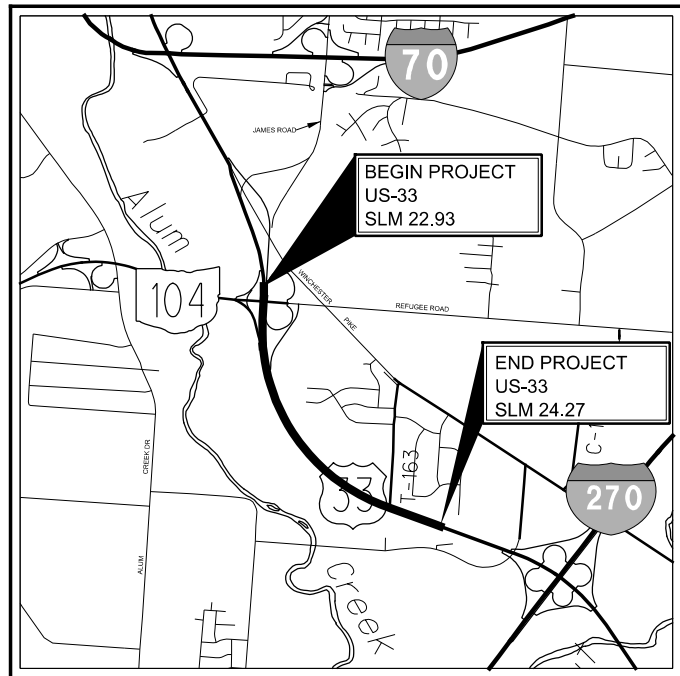
LIMITED ACCESS

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 SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES 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.



LOCATION MAP

LATITUDE: 39°54'35" LONGITUDE: 82°55'05"



PORTION TO BE IMPROVED	-----	=====
INTERSTATE HIGHWAY	-----	=====
FEDERAL ROUTES	-----	=====
STATE ROUTES	-----	=====
COUNTY & TOWNSHIP ROADS	-----	=====
OTHER ROADS	-----	=====

DESIGN DESIGNATION

CURRENT ADT (2022)	-----	47,000
DESIGN YEAR ADT (2034)	-----	53,000
DESIGN HOURLY VOLUME (2034)	-----	4770
DIRECTIONAL DISTRIBUTION	-----	66%
TRUCKS (24 HOUR B&C)	-----	3810
DESIGN SPEED	-----	60 mph
LEGAL SPEED	-----	55 mph
DESIGN FUNCTIONAL CLASSIFICATION:		
02 Other Freeways and Expressways(Urban)	-----	
NHS PROJECT	-----	Yes

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO 811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:



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PLANS CERTIFIED BY:
NAME: *David R. Poling* DATE: 10/19/2021
DISTRICT 6
OHIO DEPT. OF TRANSPORTATION

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-1.1	7/28/00	MT-98.30	7/16/21	TC-65.10	1/17/14	800-2019	1/21/22		
BP-2.1	7/17/15	MT-99.30	1/17/20	TC-65.11	7/21/17	809	1/15/21		
BP-2.2	1/15/21	MT-101.60	1/17/20	TC-71.10	7/16/21	821	4/20/12		
BP-2.5	7/19/13	MT-101.90	7/17/20	TC-72.20	7/20/18	822	1/15/16		
BP-3.1	1/17/20	MT-102.20	4/19/19	TC-73.20	1/17/20	832	10/19/18		
BP-9.1	1/18/19	MT-103.10	1/19/18			872	4/17/20		
		MT-105.10	1/17/20						
MT-95.30	7/19/19								
MT-95.45	1/17/20	TC-41.20	10/18/13						
MT-95.50	7/21/17	TC-41.30	10/18/13						
MT-98.10	1/17/20	TC-41.50	10/18/13						
MT-98.11	1/17/20	TC-42.10	10/18/13						
MT-98.20	4/19/19	TC-42.20	10/18/13						
MT-98.22	1/17/20	TC-52.10	10/18/13						
MT-98.28	1/17/20	TC-52.20	1/15/21						
MT-98.29	1/17/20	TC-61.10	1/17/20						

ENGINEER'S SEAL:



SIGNED: *David P. Poling*

DATE: 10/20/2021

APPROVED: *[Signature]*
DISTRICT DEPUTY DIRECTOR

DATE: 10/25/2021

APPROVED: _____
DIRECTOR, DEPARTMENT OF TRANSPORTATION

DATE: _____

PID# 112584 FRA-33-22.93

DESIGN AGENCY



DESIGNER
DPP

REVIEWER

DKR 10/15/21

PROJECT ID

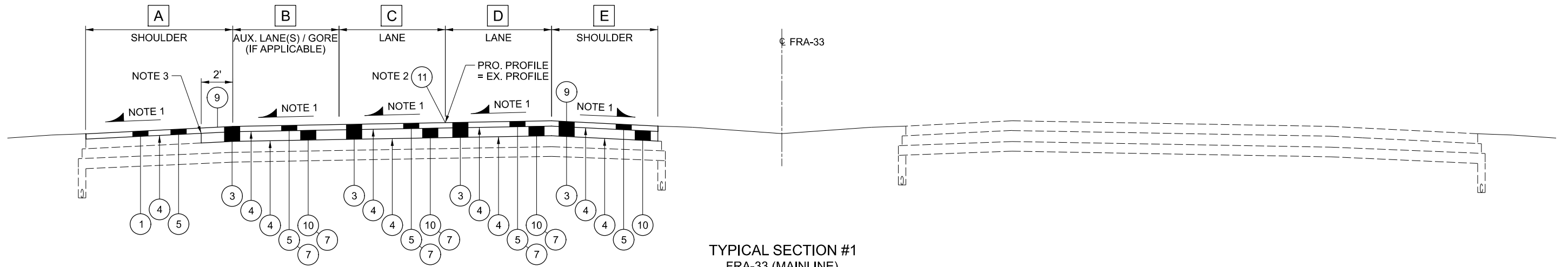
112584

SHEET TOTAL

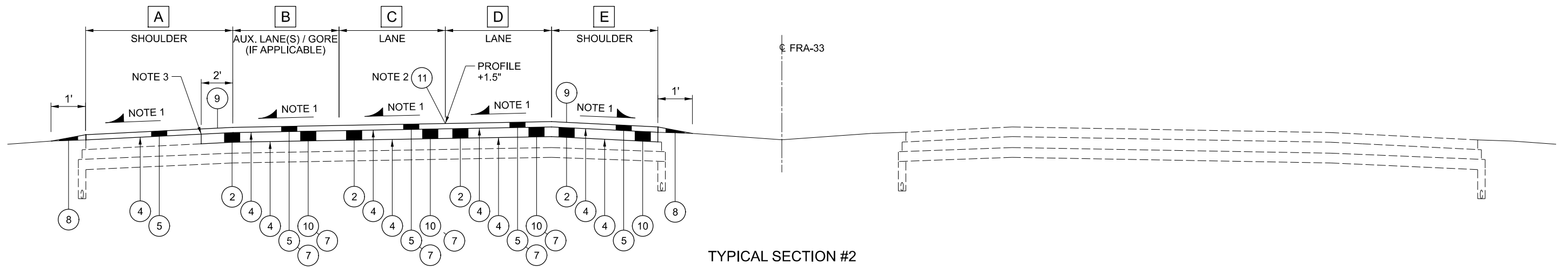
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FRA-33-22.93

MODEL: 112584 GT101 PAPER SIZE: TX11 (in.) DATE: 5/19/2022 TIME: 10:35:40 AM USER: cpdrlg pwc:\hoboc-pw-bentley.com\shido-cpw-02\Documents\01 Active Projects\District 06\Franklin\112584\400-Engineering\Roadway\Sheets\112584_GT101.dgn



TYPICAL SECTION #1
 FRA-33 (MAINLINE)
 SECTION APPLIES TO:
 FRA-33 STA 196+58.60 TO STA 204+76.10 = 817.50'



TYPICAL SECTION #2
 FRA-33 (MAINLINE)
 SECTION APPLIES TO:
 FRA-33 STA 204+76.10 TO STA 208+91.19 = 415.09'
 FRA-33 STA 263+77.68 TO STA 267+34.00 = 356.32'
 = 771.41'

LEGEND:

- A** PAVEMENT WIDTH - SEE PAVEMENT CALCULATION SHEET(S)
- ① ITEM 254 - (1.50") PAVEMENT PLANING, ASPHALT CONCRETE
- ② ITEM 254 - (1.75") PAVEMENT PLANING, ASPHALT CONCRETE
- ③ ITEM 254 - (3.25") PAVEMENT PLANING, ASPHALT CONCRETE
- ④ ITEM 407 - NON-TRACKING TACK COAT (RATE PER CMS TABLE 407.06-1)
- ⑤ ITEM 442 - (1.5") ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG70-22M
- ⑥ ITEM 442 - (1.5") ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M
- ⑦ ITEM 442 - ANTI-SEGREGATION EQUIPMENT (NOT INTENDED FOR MAINLINE SHOULDERS)
- ⑧ ITEM 617 - COMPACTED SHOULDER AGGREGATE (AVERAGE 2" DEEP X 1' WIDE)
- ⑨ ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
- ⑩ ITEM 442 - (1.75") ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)
- ⑪ ITEM 872 - VOID REDUCING ASPHALT MEMBRANE

NOTES:

- NOTE 1:
 MAINTAIN EXISTING CROSS SLOPE. SEE EXISTING TYPICAL SECTION AND EXISTING PLANS (AVAILABLE UPON REQUEST) FOR VERIFICATION.
- NOTE 2:
 REQUIRED ON "COLD JOINTS".
- NOTE 3:
 EXTEND 1.75" INTERMEDIATE COURSE 2' INTO OUTSIDE SHOULDER. MAINTAIN EXISTING CROSS SLOPES.

TYPICAL SECTIONS

DESIGN AGENCY



DESIGNER

DKR

REVIEWER

LLW 10/15/21

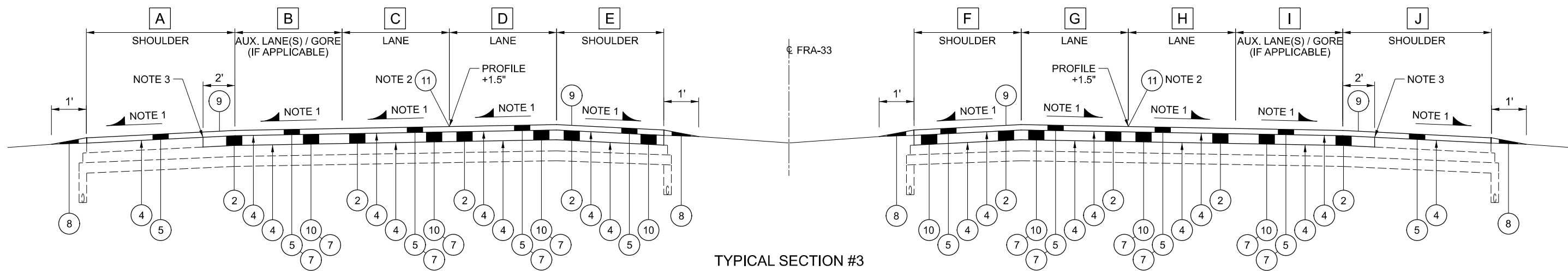
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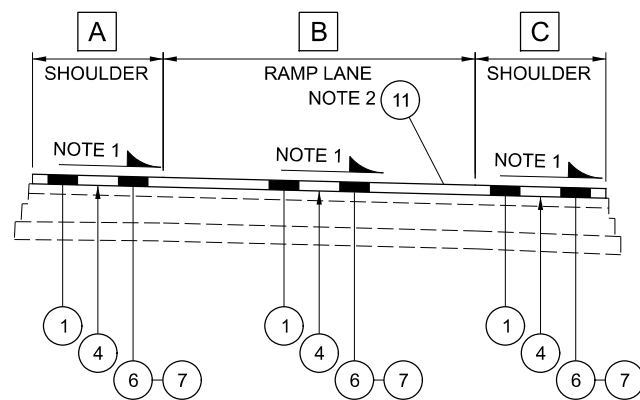
SHEET

TOTAL

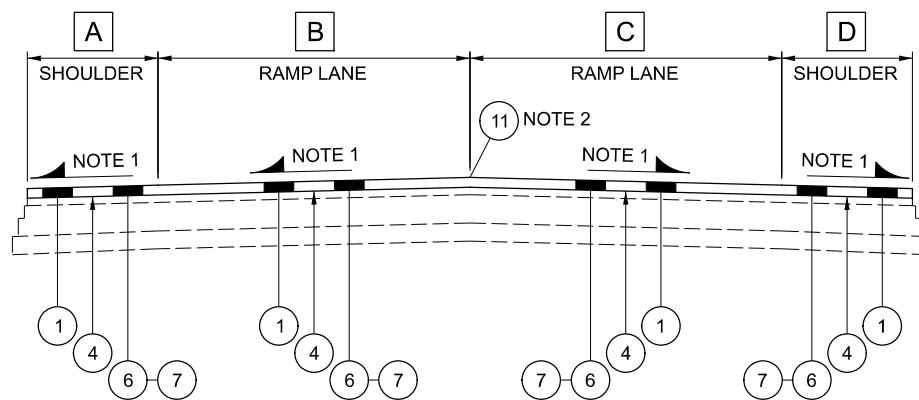
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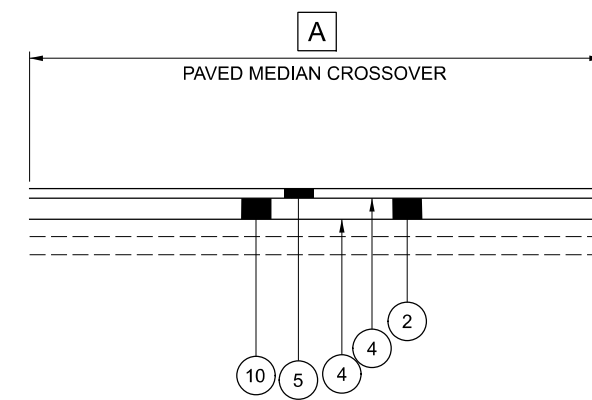
TYPICAL SECTION #3
 FRA-33 (MAINLINE)
 SECTION APPLIES TO:
 FRA-33 STA 208+91.19 TO STA 263+77.68 = 5,486.49'



TYPICAL SECTION #4
 RAMPS
 SECTION APPLIES TO:
 RAMP C STA 3+82 TO STA 14+24 = 1,042'
 RAMP D STA 84+04 TO STA 95+71 = 1,167'
 RAMP F STA 9+67 TO STA 24+74 = 1,507'
 = 3,716'



TYPICAL SECTION #5
 MULTI-LANE RAMPS
 SECTION APPLIES TO:
 NB JAMES RD #1 STA 111+09.31 TO STA 125+39.12 = 1,429.81'



TYPICAL SECTION #6
 PAVED MEDIAN CROSSOVER
 SECTION APPLIES TO:
 FRA-33 STA 233+36.20

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