

Alternative C

Possible Project 3

**Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets**

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN - ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN - BRIDGES	
CROSS-SECTIONS	

TOTAL SHEETS _____

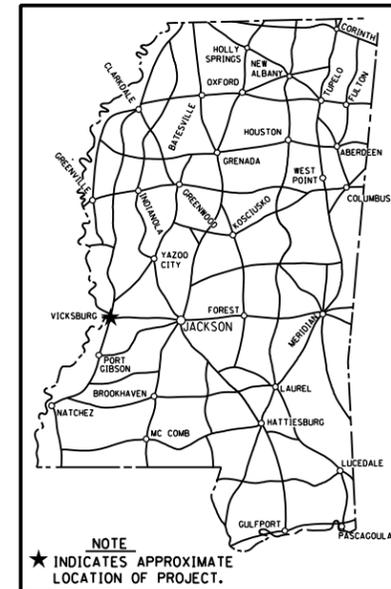
STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

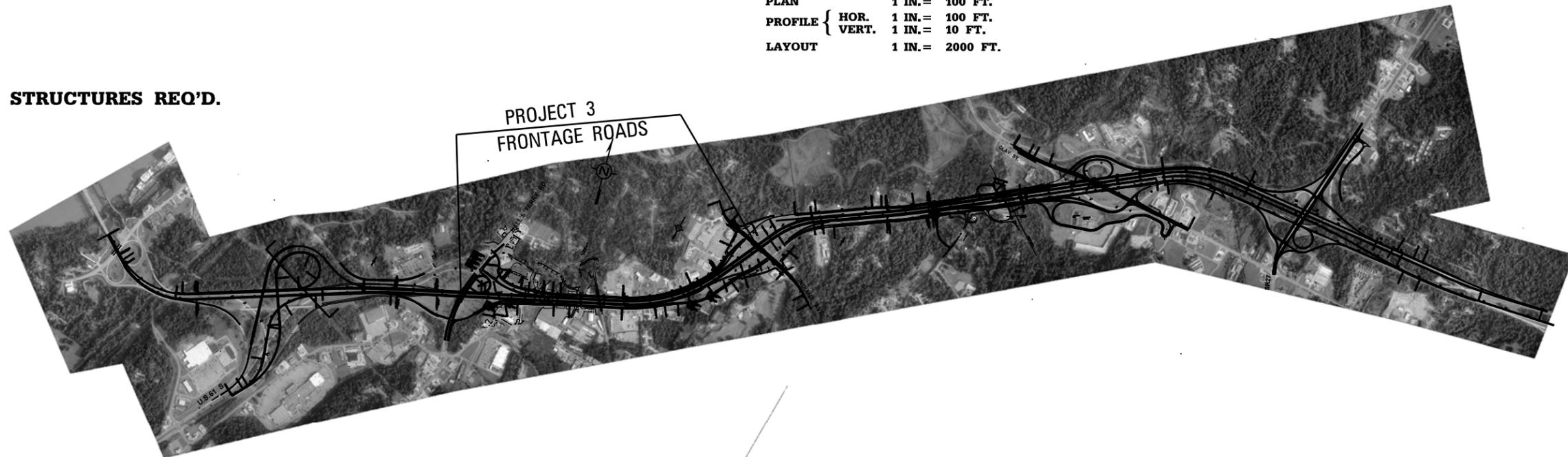
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000
ALTERNATIVE C, PROJECT 3

SCALES

PLAN	1 IN. = 100 FT.
PROFILE {	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = 2000 FT.



BRIDGE STRUCTURES REQ'D.



DESIGN CONTROL

MPH = V (SPEED DESIGN)

ADT () = : ADT () =

DHV = : D = % T = %

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/>	<input type="checkbox"/>
NATIONWIDE (OTHER)	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/>	<input type="checkbox"/>

* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

STORMWATER PERMIT

Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREAS-MINIB 6484)

S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES-MINIB 6483)

N NO STORMWATER PERMIT REQUIRED ((1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

COUNTY LINE	_____
TOWN CORPORATION LINE	_____
SECTION LINE	_____
EXISTING ROAD OR TRAVELED WAY	_____
PROPOSED ROAD OR TRAVELED WAY	_____
RAILROAD	_____
SURVEY LINE	_____
BRIDGES	_____

EQUATIONS

LENGTH DATA

LENGTH OF ROADWAY	FT.	MI.
LENGTH OF BRIDGES	FT.	MI.
LENGTH OF PROJECT (NET)	FT.	MI.
LENGTH OF EXCEPTIONS	FT.	MI.
LENGTH OF PROJECT (GROSS)	FT.	MI.

EXCEPTIONS

APPROVED:	BY _____	DATE _____
CHIEF ENGINEER	_____	DATE _____
EXECUTIVE DIRECTOR	_____	DATE _____
MISSISSIPPI DEPARTMENT OF TRANSPORTATION		
APPROVED:	BY _____	DATE _____
DIVISION ADMINISTRATOR	_____	DATE _____
FEDERAL HIGHWAY ADMINISTRATION DEPARTMENT OF TRANSPORTATION		

3/6/2012 16:25:05 TITLE ALTERNATIVE C-3.DGN TITLE DIVISION ROADWAY MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF SHEET

WKG.
NO.

SH.
NO.

TITLE SHEET (1)

DETAIL INDEX (1)

DETAILED INDEX

DI3-1

TYPICAL SECTIONS (3)

*SOUTH FRONTAGE ROAD BETWEEN HALL'S FERRY ROAD AND INDIANA AVENUE
 NORTH FRONTAGE ROAD BETWEEN HALL'S FERRY ROAD AND INDIANA AVENUE
 NORTH FRONTAGE ROAD AT STA. 128+00 AND STA. 133+00 SOUTH FRONTAGE ROAD AT STA. 126+00*

*TS3-1
 TS3-2
 TS3-3*

CONSTRUCTION PLANS (2)

PHASE A & B NORTH & SOUTH FRONTAGE ROADS (2 SHEETS)

PLAN & PROFILE SHEETS (6)

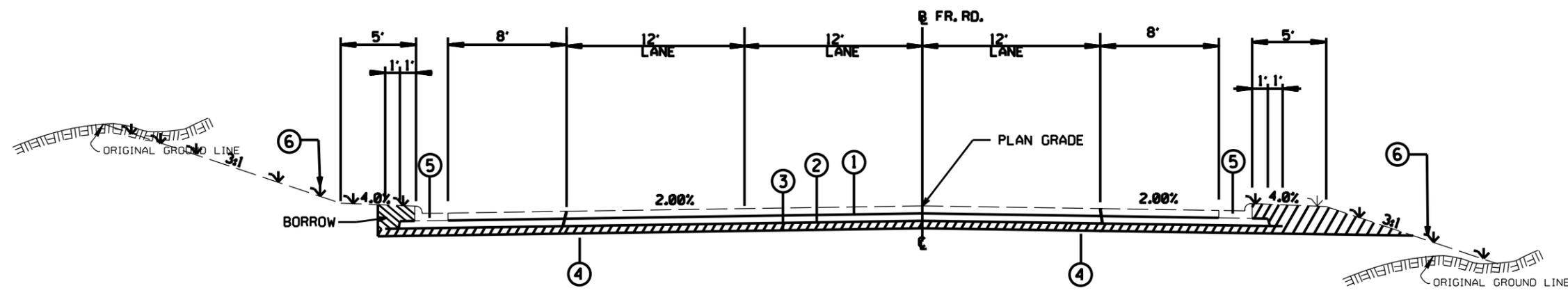
*SOUTH FRONTAGE ROAD 3A-1
 SOUTH FRONTAGE ROAD 3A-2
 SOUTH FRONTAGE ROAD 3A-3
 NORTH FRONTAGE ROAD 3B-1
 NORTH FRONTAGE ROAD 3B-2
 NORTH FRONTAGE ROAD 3B-3*

*3A-1
 3A-2
 3A-3
 3B-1
 3B-2
 3B-3*

4.18/2012 09:59:36 INDEX.DGN PLAN DIVISION ROADWAY MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
Detailed Index Alternative C Project 3			
WORKING NUMBER DI3-1			SHEET NUMBER
DATE	DESIGN TEAM	CHECKED	DATE
FILENAME: INDEX.DGN			





**TYPICAL SECTION
S. FR. RD. BETWEEN
HALL'S FERRY RD. & INDIANA AVE.**

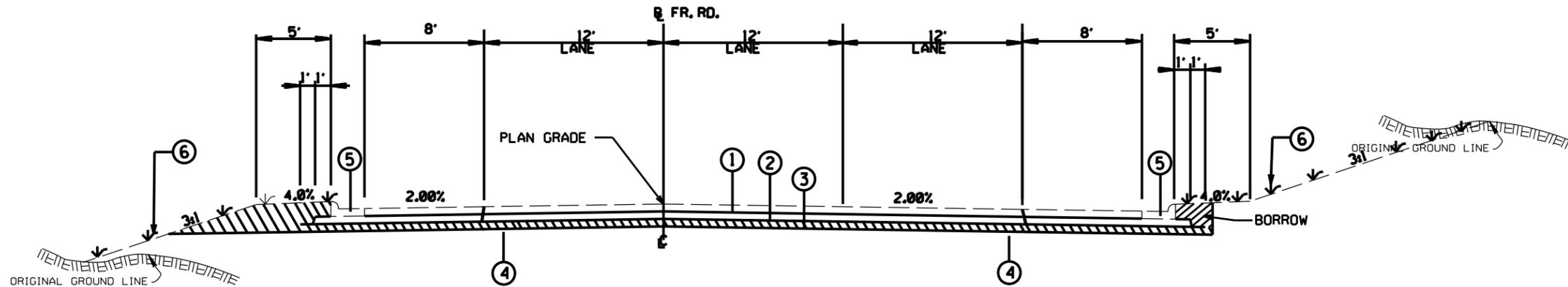
- ① 3" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 1 @ 1½" BINDER COURSE) REQ'D.
- ② 5" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
- ③ 6" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP B) REQ'D.
- ④ PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER)
- ⑤ COMBINATION CONCRETE CURB AND GUTTER (TYPE 3 MOD.) REQ'D.
- ⑥ ↘ INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS	
S. FR. RD. BETWEEN HALL'S FERRY RD. & INDIANA AVE.	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS3-1
FILENAME:	SHEET NUMBER
DESIGN TEAM	CHECKED DATE

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 3 PHASE A
FILENAME:

SIZES



**TYPICAL SECTION
N. FR. RD. BETWEEN
HALL'S FERRY RD. & INDIANA AVE.**

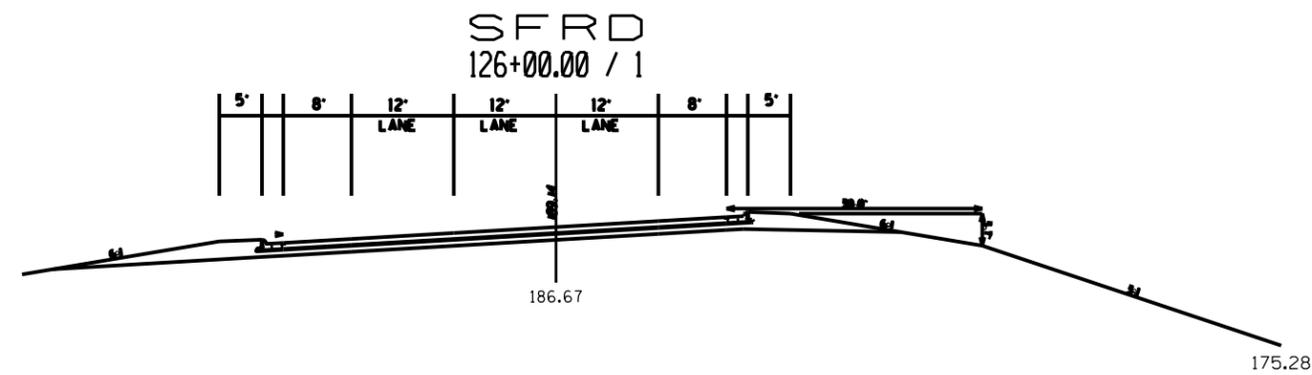
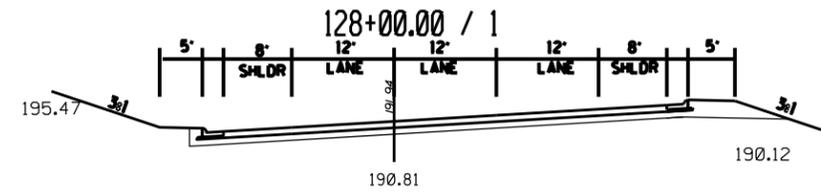
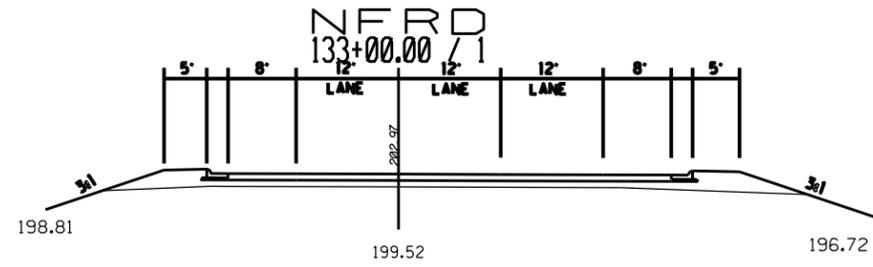
- ① 3" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 1 @ 1½" BINDER COURSE) REQ'D.
- ② 5" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
- ③ 6" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP B) REQ'D.
- ④ PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER)
- ⑤ COMBINATION CONCRETE CURB AND GUTTER (TYPE 3 MOD.) REQ'D.
- ⑥ ↘ INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)

SCALE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION NORTH FRONTAGE RD. BETWEEN HALL'S FERRY RD. & INDIANA AVE.	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS3-2
FILENAME:	SHEET NUMBER
DESIGN TEAM	CHECKED DATE

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 3 PHASE B
FILENAME:



SIZES

		BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
				TYPICAL SECTIONS	
				N. FR. RD. @ 128+00 & 133+00	
				S. FR. RD. @ STA. 126+00	
		PROJECT NO.		WORKING NUMBER	
		COUNTY:		TS3-3	
		FILENAME:		SHEET NUMBER	
		DESIGN TEAM		CHECKED DATE	

LEGEND

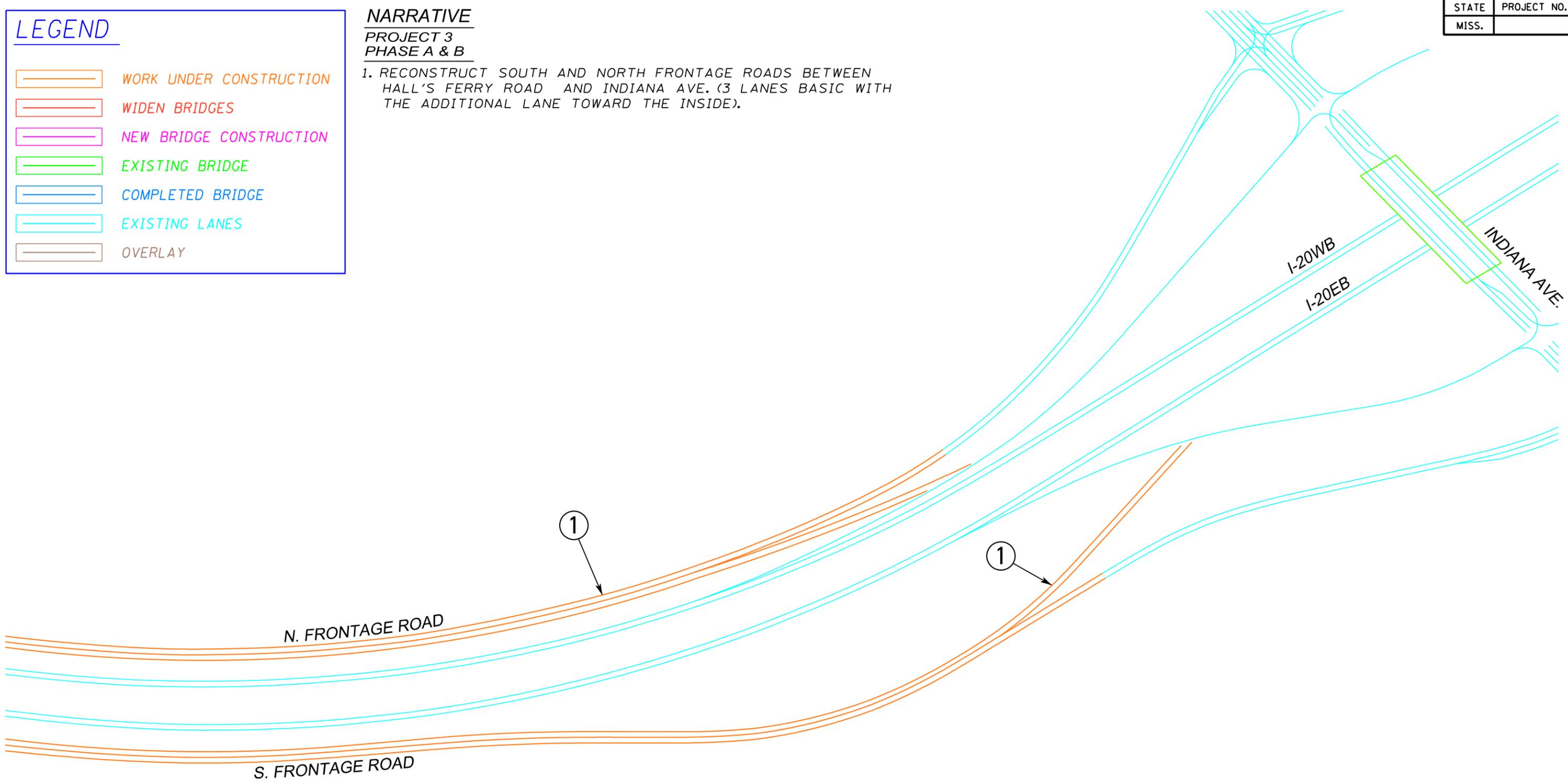
-  WORK UNDER CONSTRUCTION
-  WIDEN BRIDGES
-  NEW BRIDGE CONSTRUCTION
-  EXISTING BRIDGE
-  COMPLETED BRIDGE
-  EXISTING LANES
-  OVERLAY

NARRATIVE

PROJECT 3 PHASE A & B

1. RECONSTRUCT SOUTH AND NORTH FRONTAGE ROADS BETWEEN HALL'S FERRY ROAD AND INDIANA AVE. (3 LANES BASIC WITH THE ADDITIONAL LANE TOWARD THE INSIDE).

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 PLANNING DIVISION
 ROADWAY DESIGN
 MDDDY 001 00 ANPM DGN FILENAME



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 3 PHASE A & B	
WORKING NUMBER	
SHEET NUMBER	
DATE	FILENAME: PROJ3 PHA.DGN
DESIGN TEAM	CHECKED DATE

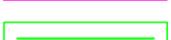


NARRATIVE

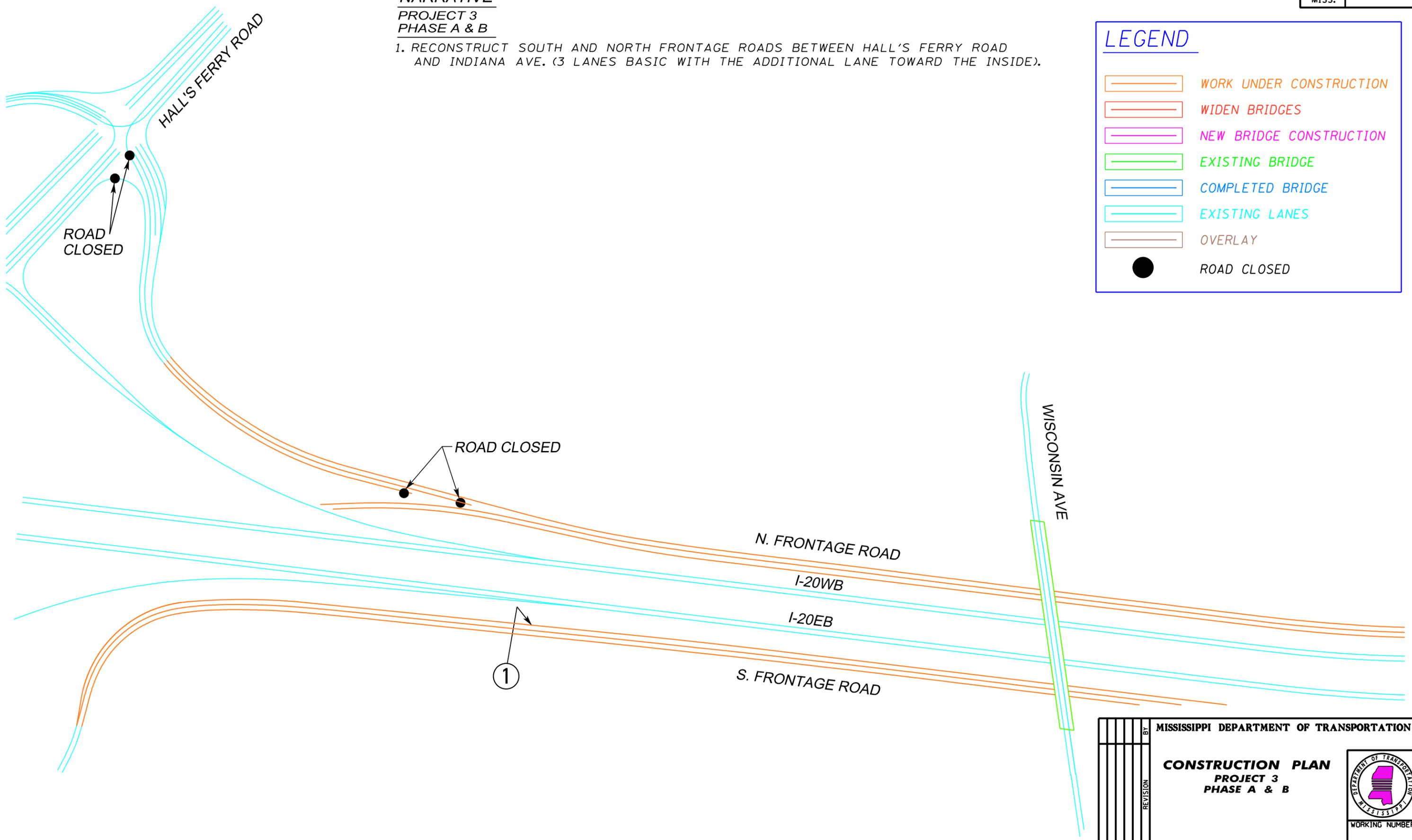
**PROJECT 3
PHASE A & B**

1. RECONSTRUCT SOUTH AND NORTH FRONTAGE ROADS BETWEEN HALL'S FERRY ROAD AND INDIANA AVE. (3 LANES BASIC WITH THE ADDITIONAL LANE TOWARD THE INSIDE).

LEGEND

-  WORK UNDER CONSTRUCTION
-  WIDEN BRIDGES
-  NEW BRIDGE CONSTRUCTION
-  EXISTING BRIDGE
-  COMPLETED BRIDGE
-  EXISTING LANES
-  OVERLAY
-  ROAD CLOSED

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 001 00 ANPM DGN FILE NAME
 MDDDY



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 3	
PHASE A & B	
WORKING NUMBER	
SHEET NUMBER	
DATE	FILENAME: PROJ3 PHA.DGN
DESIGN TEAM	CHECKED DATE

LEGEND

-  WORK UNDER CONSTRUCTION
-  WIDEN BRIDGES
-  NEW BRIDGE CONSTRUCTION
-  EXISTING BRIDGE
-  COMPLETED BRIDGE
-  EXISTING LANES
-  OVERLAY

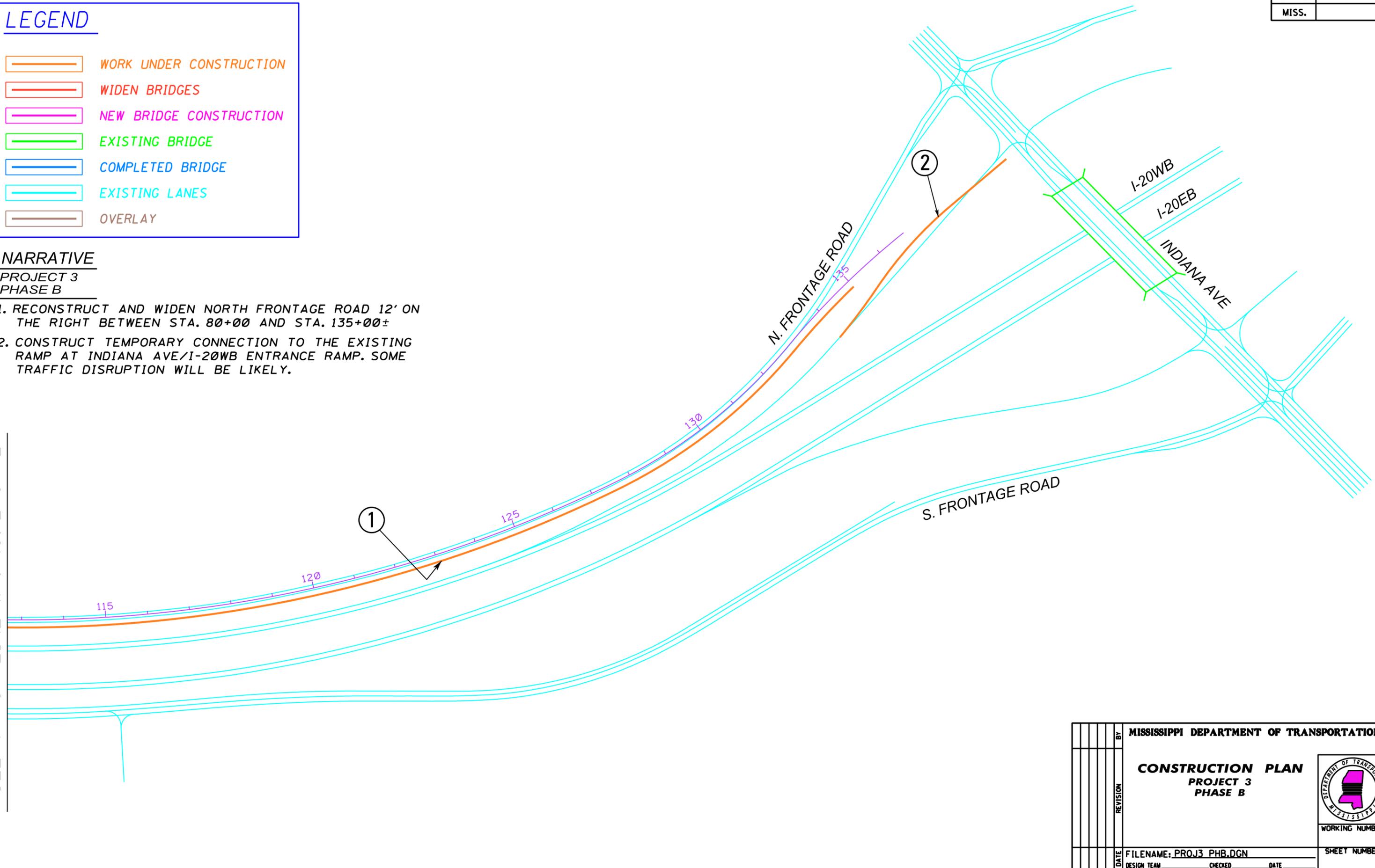
NARRATIVE

PROJECT 3
PHASE B

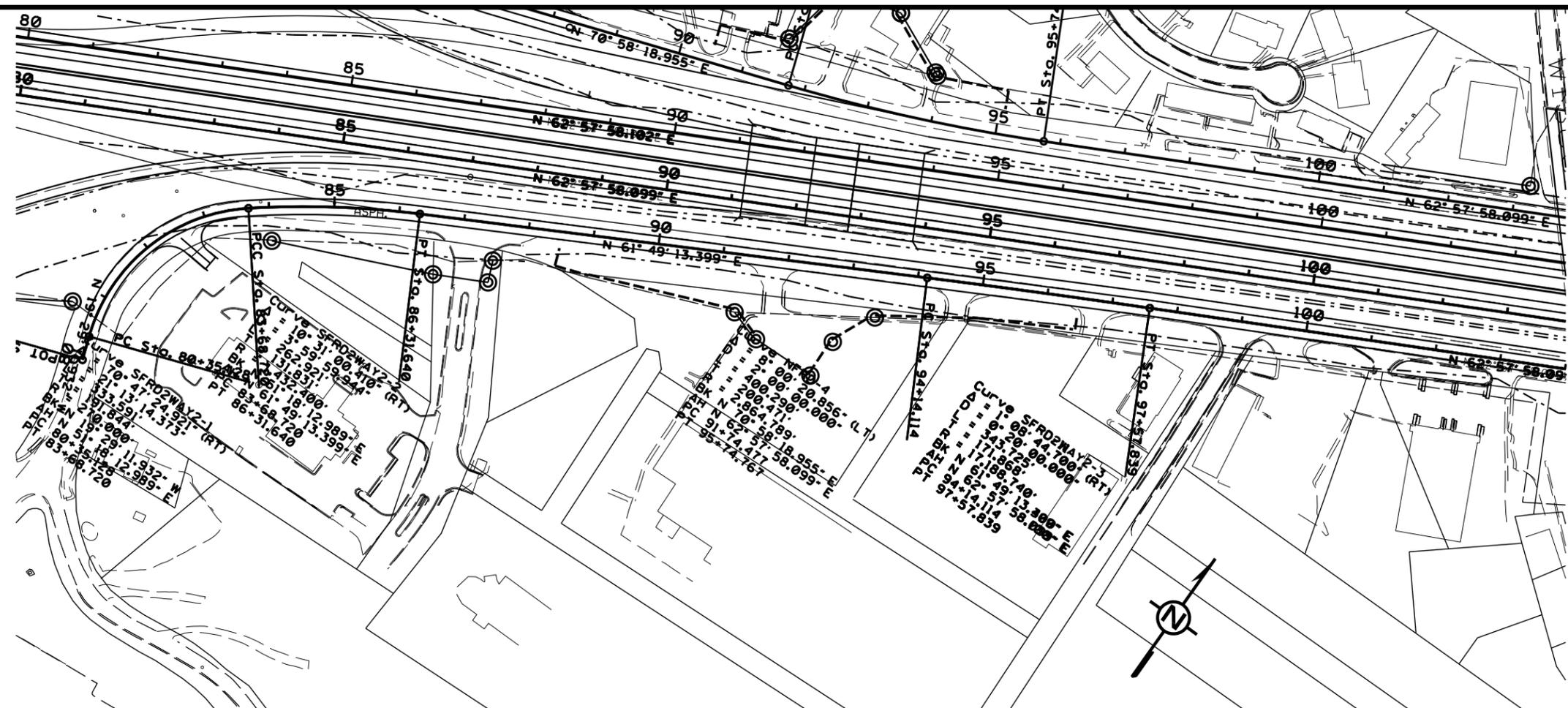
1. RECONSTRUCT AND WIDEN NORTH FRONTAGE ROAD 12' ON THE RIGHT BETWEEN STA. 80+00 AND STA. 135+00±
2. CONSTRUCT TEMPORARY CONNECTION TO THE EXISTING RAMP AT INDIANA AVE/I-20WB ENTRANCE RAMP. SOME TRAFFIC DISRUPTION WILL BE LIKELY.

2/19/2011 15:23:53 PROJ3 PHB.DGN MISSISSIPPI DEPARTMENT OF TRANSPORTATION

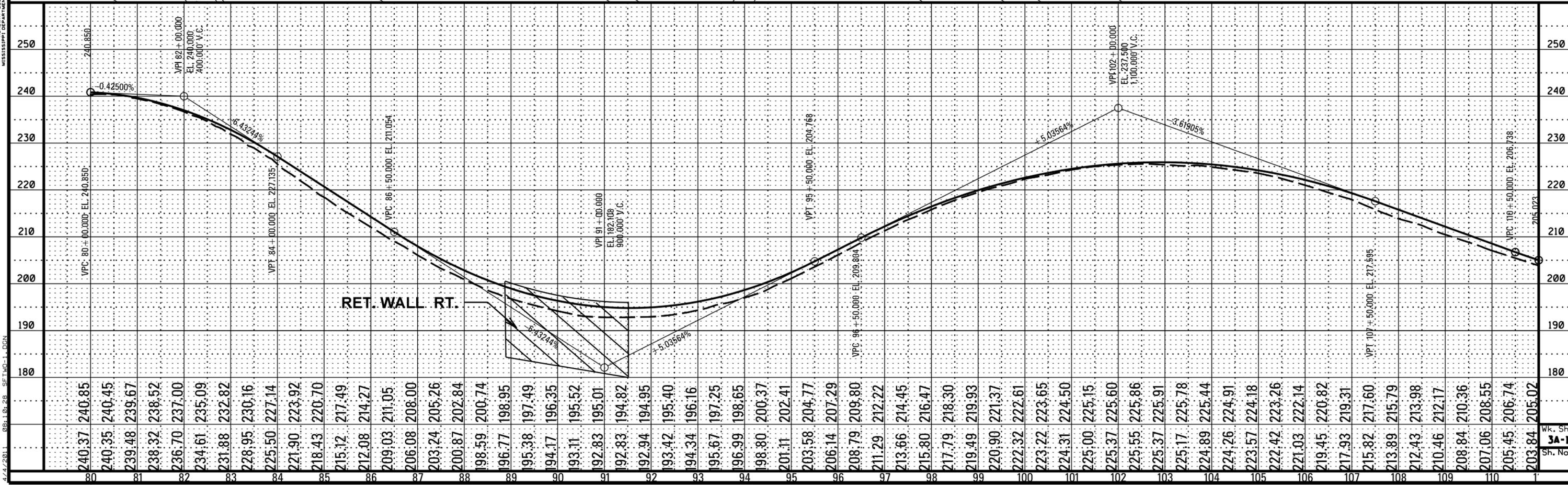
SEE MATCH LINE WK. NO. 2 OF 2



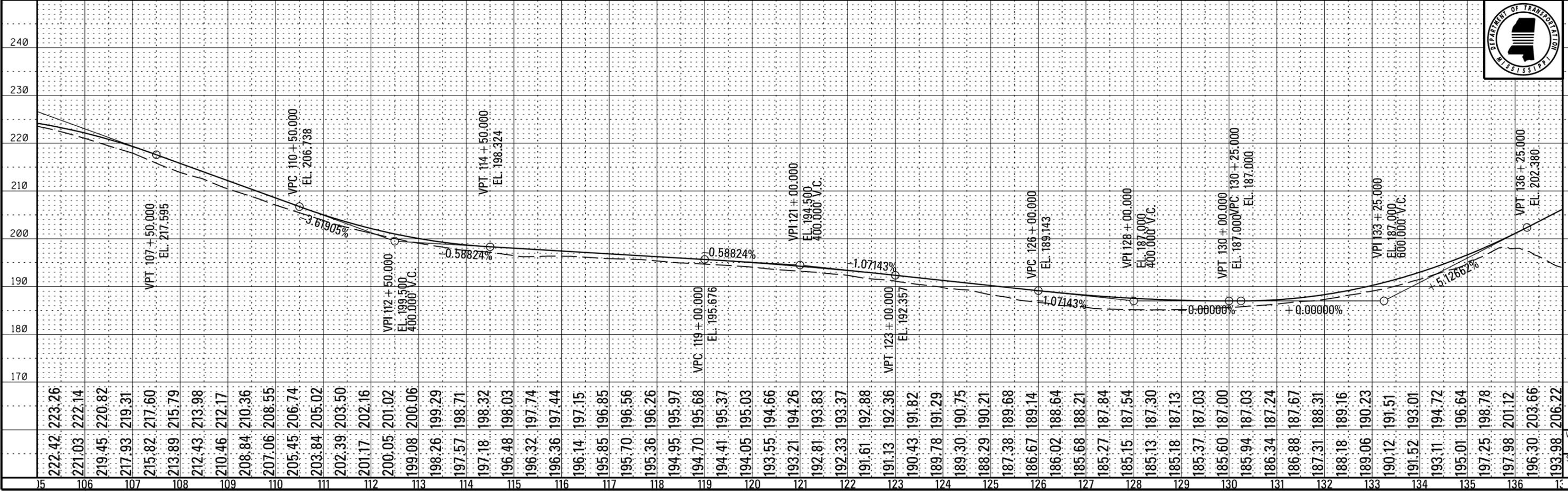
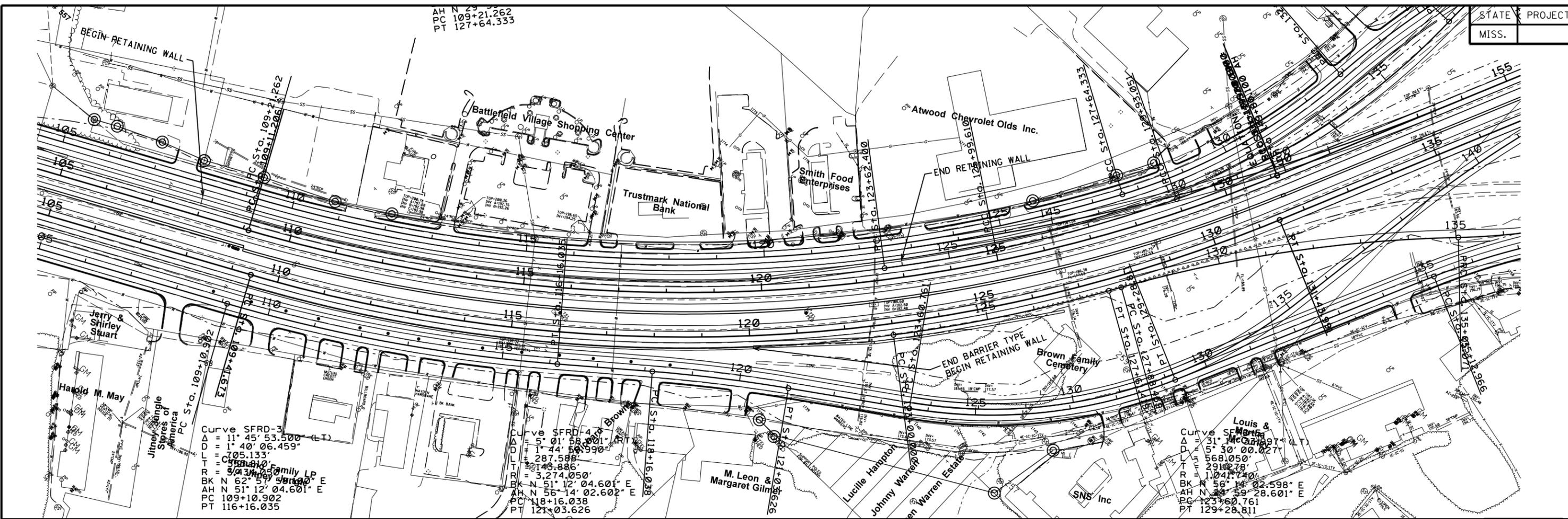
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 3 PHASE B	
WORKING NUMBER	SHEET NUMBER
FILENAME: PROJ3 PHB.DGN	
DESIGN TEAM	CHECKED DATE



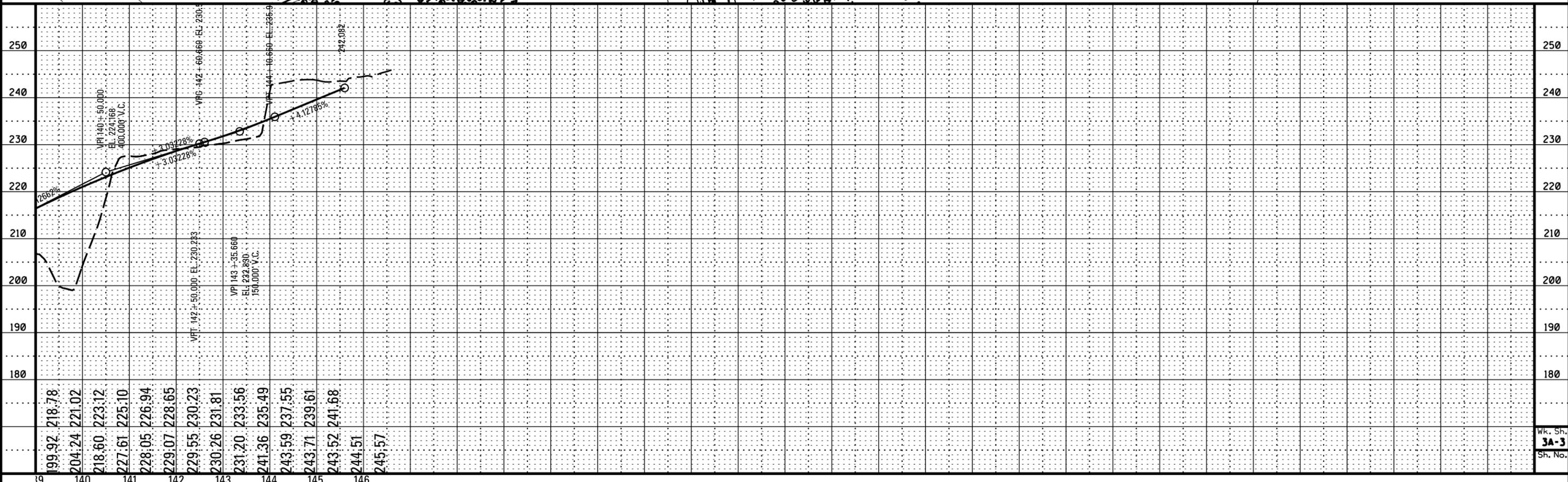
4/4/2011 08:11:28 SETW0-1.DGN
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 PLANNING & DESIGN



AH N 29.99
PC 109+21.262
PT 127+64.333

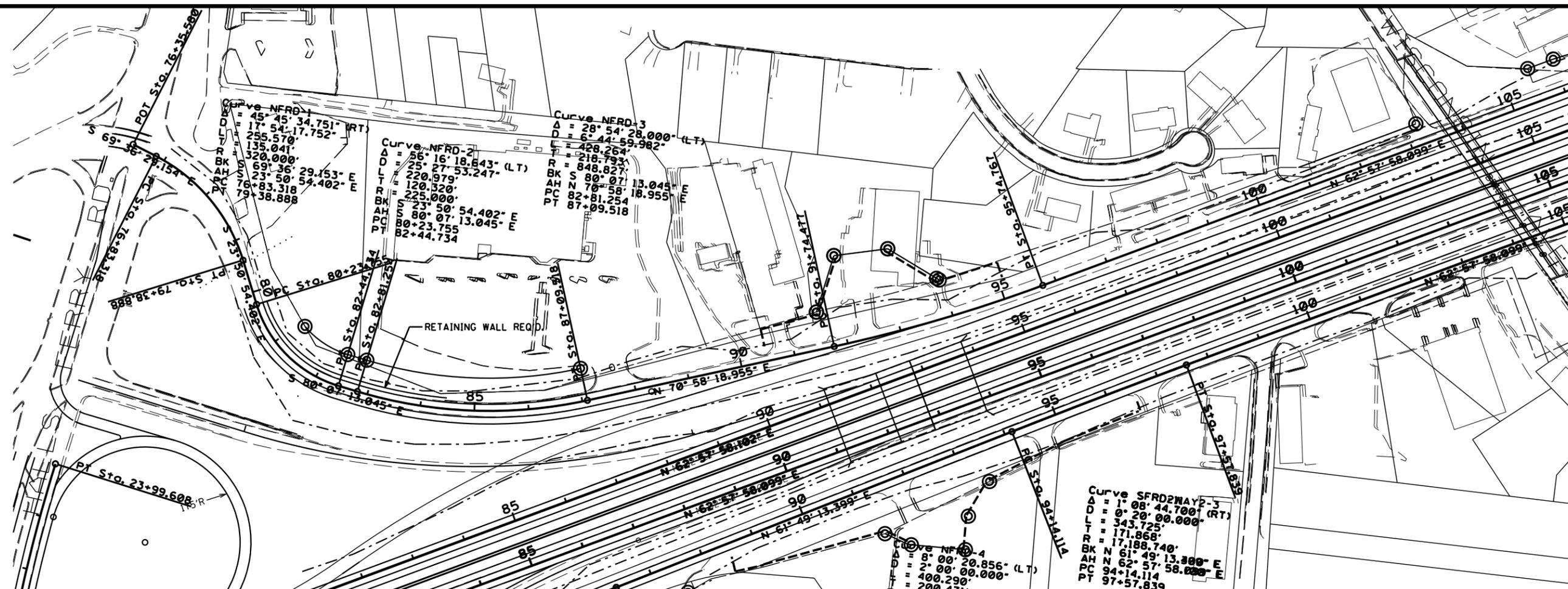


3/18/2011 08L 071.34 SFRD-2.DGN

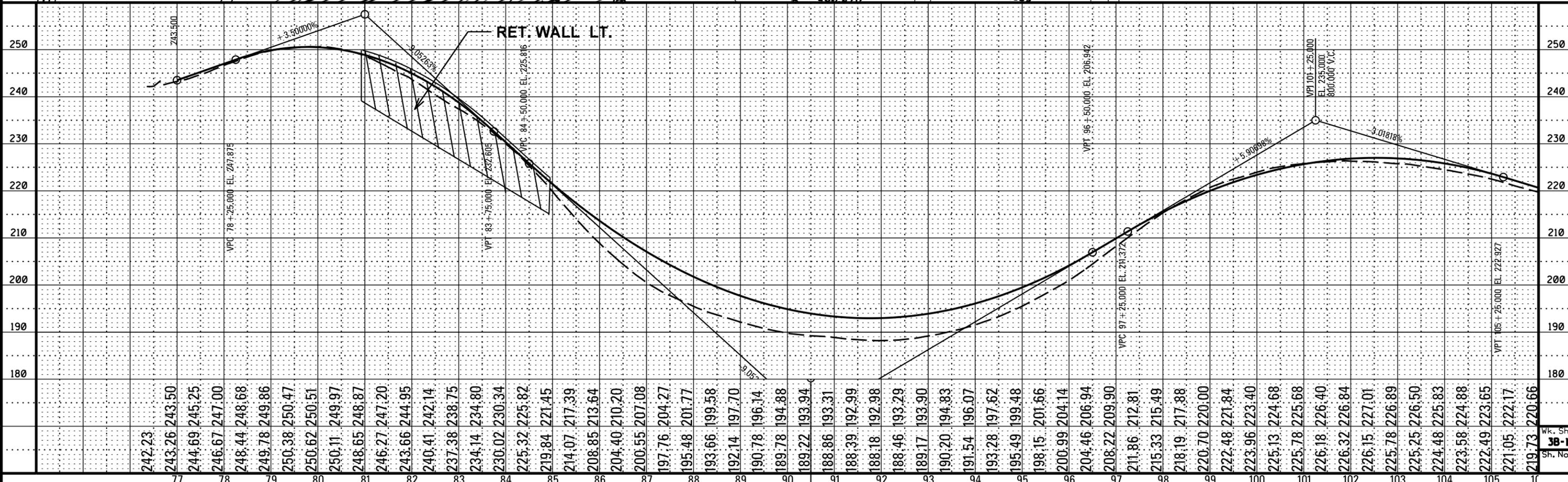


PLAN PROJECT E
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/228/2011 141.38.36 SFTWO-3.DGN



4/4/2011 09:11:29 NFR2WAY-1.DGN
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 ROADWAY DESIGN DIVISION
 PLANNING FILE



Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 3 PHASE A) (S. FR. RD.)

County: WARREN

Lettingday: 06/30/2020

Scope of Work: ▼

Rural/Urban: Urban ▼ Grading: ▼

Rolling/Flat: ▼ Paving: ▼

Length in Miles: 0.78

Grading Cost Per Mile: \$1,450,000

Paving Cost Per Mile: \$2,210,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.78	x	\$1,450,000	x	115%	\$1,300,650
Paving Cost:	0.78		\$2,210,000	x	115%	\$1,982,370
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)	1.00	x	\$478,660.00	x	115%	\$550,459
Total Estimate:						\$3,833,479

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Rt of 88+00 to 91+50 (\$478,660)

Anticipating a 4% inflation factor per year, the estimated construction cost is \$5,900,000

(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature Title

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 3 PHASE B) (N. FR. RD.)

County: WARREN

Lettingday: 06/30/2020

Scope of Work: ▼

Rural/Urban: Urban ▼ Grading: ▼

Rolling/Flat: ▼ Paving: ▼

Length in Miles: 0.87

Grading Cost Per Mile: \$1,450,000

Paving Cost Per Mile: \$2,210,000 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.87	x	\$1,450,000	x	115%	\$1,450,725
Paving Cost:	0.87		\$2,210,000	x	115%	\$2,211,105
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)	1.00	x	\$792,690.00	x	115%	\$911,594
Total Estimate:						\$4,573,424

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Lt of 81+00 to 85+00 and Rt of 108+00 to 123+00 (\$320,640 + \$472,050)

Anticipating a 4% inflation factor per year, the estimated construction cost is \$7,000,000

(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature Title

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one: Preliminary
 After Draft Environmental Document
 Prior to Field Review

Project Numbers: FMS External

PE: x x

ROW: x x

Construction: x x

Route/Termini: I-20 @ Vicksburg (PROJECT 3 MISC.)

County: WARREN

Lettingday: 06/30/2020

Scope of Work: ▼

Rural/Urban: Rural ▼ Grading: ▼

Rolling/Flat: ▼ Paving: ▼

Length in Miles: 0.00

Grading Cost Per Mile: \$0

Paving Cost Per Mile: \$0 (From 2009 cost data from Planning Division)

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.00	x	\$0	x	115%	\$0
Paving Cost:	0.00		\$0	x	115%	\$0
Bridge cost:	0	x	\$0.00	x	115%	\$0
Double Cell Box Culvert/Bridge Cost:	0		\$0	x	115%	\$0
Interchange Cost:			\$0	x	115%	\$0
Interchange Lighting Cost:			\$0	x	115%	\$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	\$0
Additional Cost: (See note #2 below)	1.00	x	\$98,380.00	x	115%	\$113,137
Total Estimate:						\$113,137

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -= \$0 : Signals -= \$0: Signing- (1%) of \$9,837,963 = \$98,380: Total Misc.= \$98,380

Anticipating a 3% inflation factor per year, the estimated construction cost is \$200,000

(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature Title