

Alternative C

Possible Project 6

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

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 _____

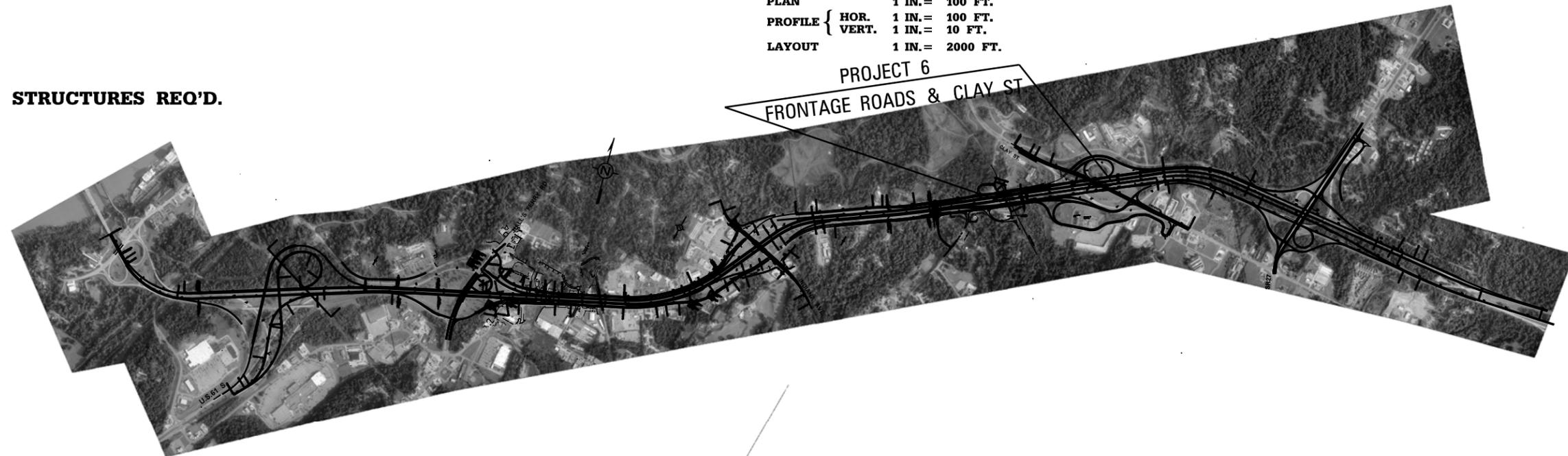
STATE OF MISSISSIPPI
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000
ALTERNATIVE C, PROJECT 6

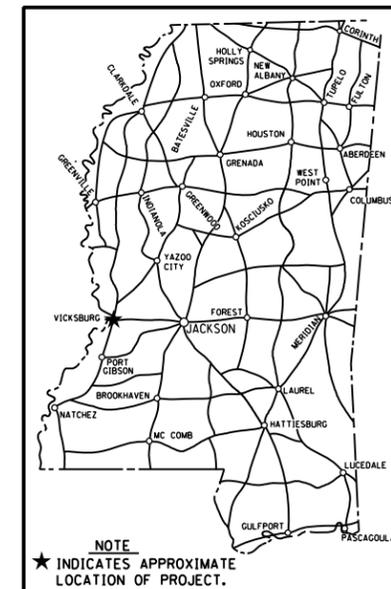
SCALES

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.



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



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

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

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

3/6/2012 16:23:02 TITLE ALTERNATIVE C-6.DGN TITLE DIVISION ROADWAY MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

TITLE SHEET (1)

DETAIL INDEX (1)

DETAILED INDEX

DI6-1

TYPICAL SECTIONS (5)

SOUTH FRONTAGE ROAD (STA. 213+77 TO STA. 220+00)
 SOUTH FRONTAGE ROAD (C/D) BETWEEN STA. 220+00 TO STA. 228+00,
 BETWEEN STA. 234+00 TO STA. 241+00
 NORTH FRONTAGE ROAD (C/D) BETWEEN STA. 211+00 (OLD HWY 27 &
 STA. 223+00, BETWEEN STA. 231+00 AND STA. 236+50)
 CLAY STREET DURING PHASE B1
 CLAY STREET DURING PHASE B2

TS6-A1
 TS6-A2
 TS6-A3
 TS6-B1
 TS6-B2

CONSTRUCTION PLANS (2)

PHASE A
 PHASE B

PLAN & PROFILE SHEETS (3)

PHASE 6A-1
 PHASE 6B-1
 PHASE 6B-2

6A-1
 6B-1
 6B-2

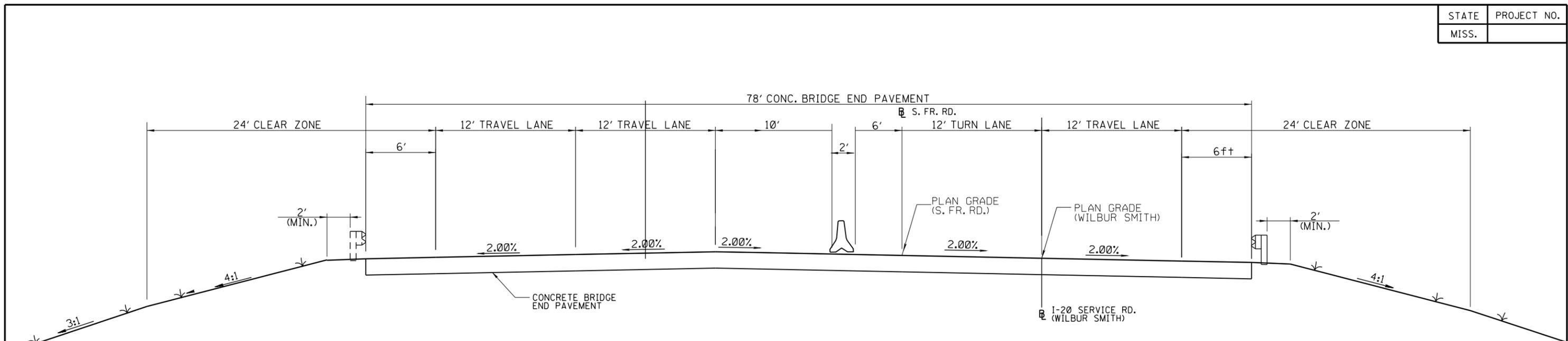
BRIDGE TYPICAL SECTIONS (3)

NORTH FRONTAGE ROAD OVER OLD HWY 27 AND MERIDIAN SPEEDWAY RAILROAD
 SOUTH FRONTAGE ROAD OVER OLD HWY 27 AND MERIDIAN SPEEDWAY RAILROAD
 NORTH AND SOUTH FRONTAGE ROADS OVER CLAY STREET

BTS6-1
 BTS6-2
 BTS6-3

4/18/2012 1:41:58 PM I:\SHY\AKK\120_VLCKS-ACCT_6562\2012_EA-APPENDIX_E\PROJ_6\INDEX.DGN MISSISSIPPI DEPARTMENT OF TRANSPORTATION

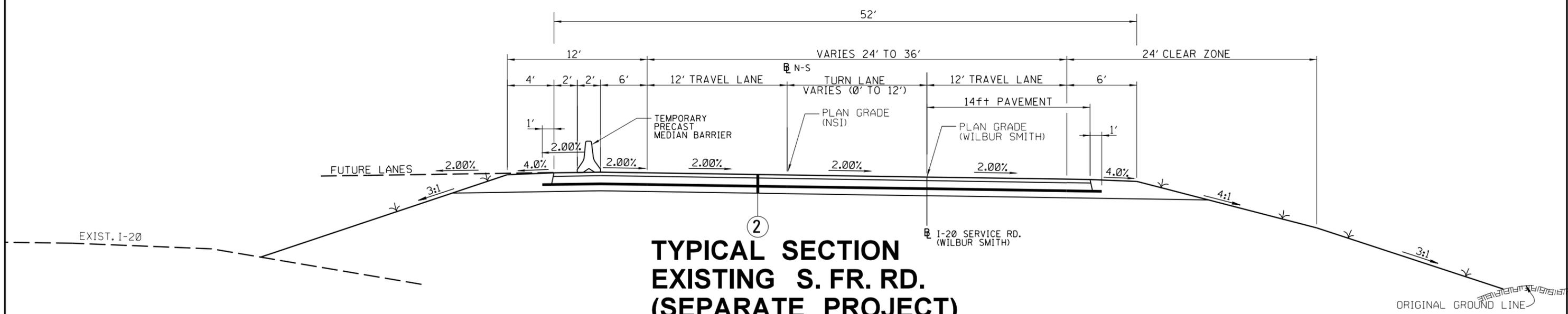
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
Detailed Index Alternative C Project 6	
 WORKING NUMBER DI6-1 SHEET NUMBER	FILENAME: INDEX.DGN DESIGN TEAM CHECKED DATE



TYPICAL SECTION S. FR. RD.

NOTE: This will work for ALTERNATE B.
ALTERNATE C will require widening 12'
on the right side.

STA. 213+77.49 TO STA. 214+17.90 (BRIDGE)
STA. 217+48.10 (BRIDGE) TO STA. 217+74.22



TYPICAL SECTION EXISTING S. FR. RD. (SEPARATE PROJECT)

STA. 211+83.77 TO STA. 213+77.49
STA. 217+74.22 TO STA. 219+20.40

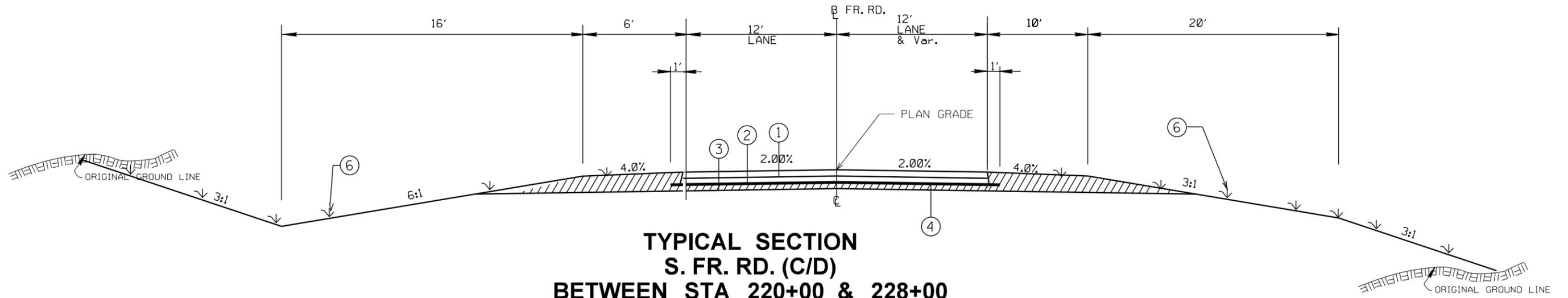
\$FILES\$

\$DATES\$

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS	
SOUTH FRONTAGE ROAD	
STA 213+77.49 TO 220+00	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS6-A1
FILENAME:	SHEET NUMBER
DATE	CHECKED
DESIGN TEAM	DATE

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 6 PHASE A
FILENAME:



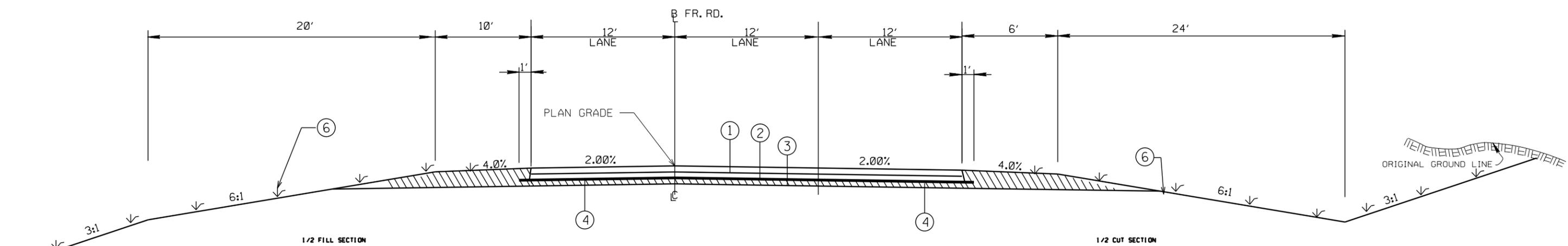
**TYPICAL SECTION
S. FR. RD. (C/D)
BETWEEN STA 220+00 & 228+00
BETWEEN STA 234+00 & 241+00
(PHASE A)**

\$FILES
\$DATES

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS SOUTH FRONTAGE ROAD BETWEEN STA 220+00 & 228+00 BETWEEN STA 234+00 & 241+00	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS6-A2
FILENAME:	SHEET NUMBER
DATE	CHECKED
DESIGN TEAM	DATE

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 6 PHASE A
FILENAME:

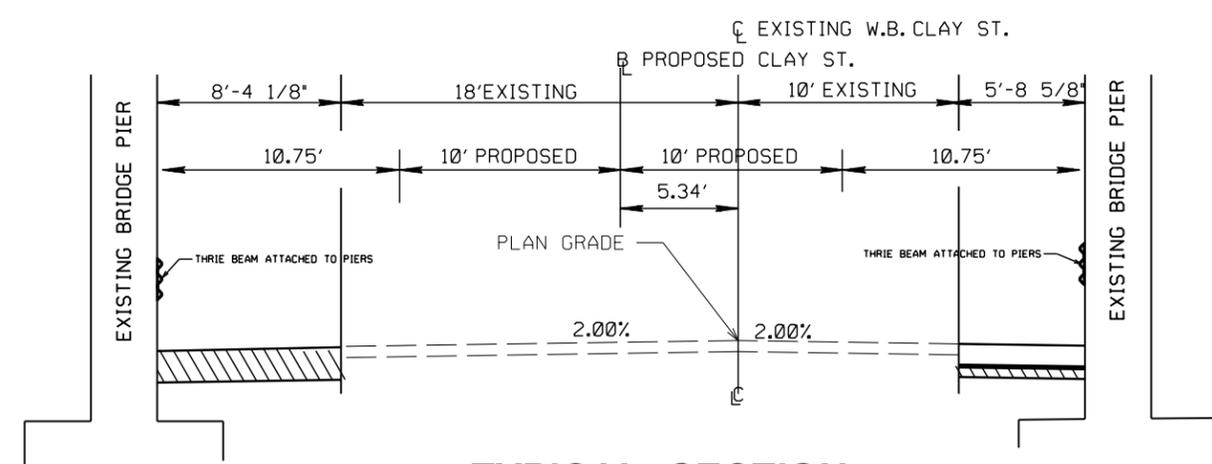


TYPICAL SECTION
N. FR. RD. (C/D)
-BETWEEN STA 211+00 (OLD HWY 27) & 223+00
-BETWEEN STA 231+00 & 236+50

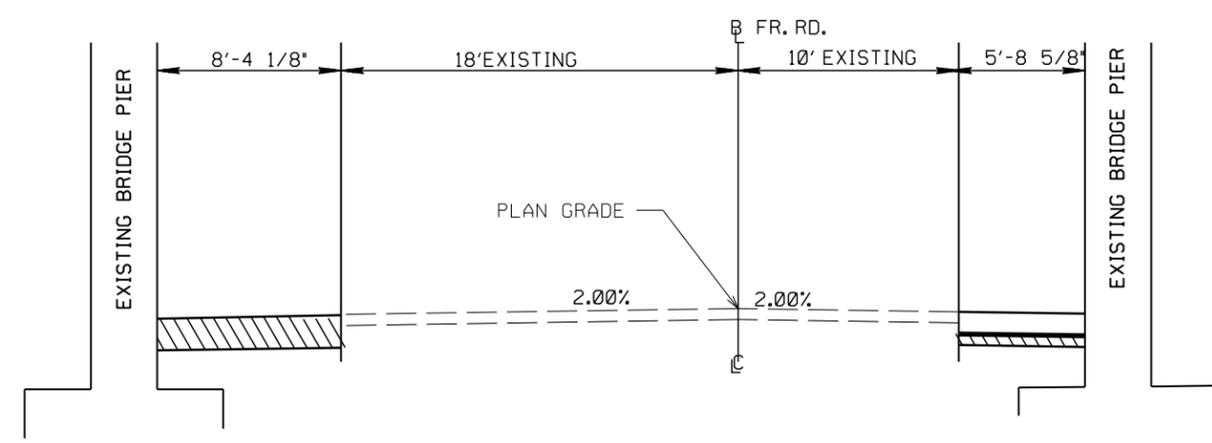
- ① 1" HOT BITUMINOUS PAVEMENT (1" SURFACE COURSE AND 1" BINDER COURSE) REQ'D.
- ② 1" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
- ③ 1" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP B) REQ'D.
- ④ PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER)
- ⑤ COMBINATION CONCRETE CURB AND GUTTER (TYPE 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 SECTION NORTH FRONTAGE RD. (C/D) BETWEEN 211+00 & 223+00 BETWEEN 231+00 & 236+50	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS6-A3
FILENAME:	SHEET NUMBER
DESIGN TEAM	CHECKED
DATE	DATE

\$FILES \$DATES



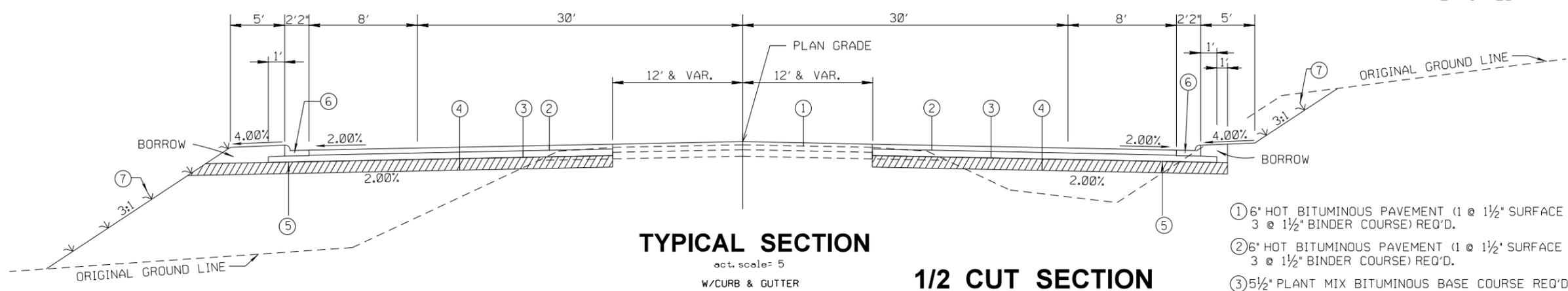
**TYPICAL SECTION
TEMPORARY CLAY ST. UNDER EXISTING I-20 W.B. BRIDGE
(DURING PHASE B)**



**TYPICAL SECTION
EXISTING CLAY ST. UNDER EXISTING I-20 W.B. BRIDGE**

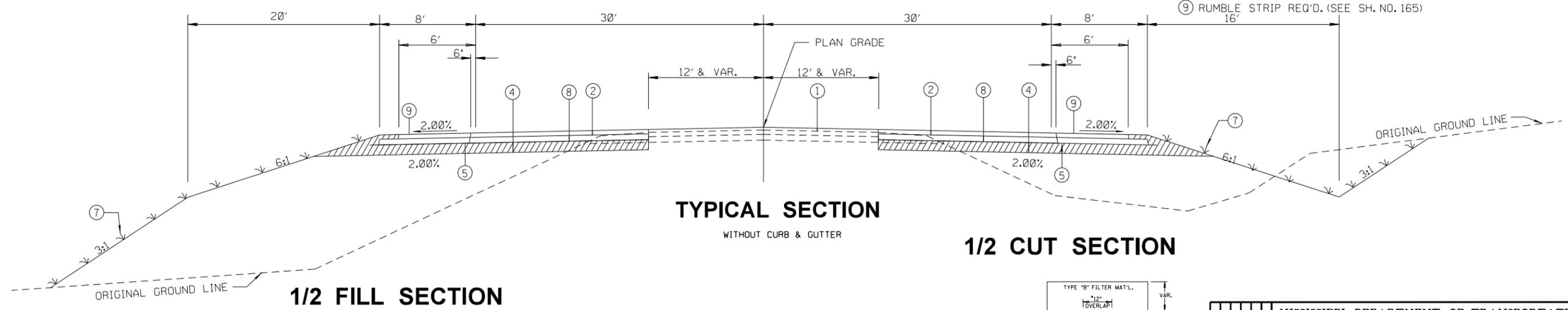
\$FILES
 \$DATES

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS CLAY ST. DURING PHASE B	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS6-B1
FILENAME:	SHEET NUMBER
DATE	CHECKED
DESIGN TEAM	DATE



- ① 6" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 3 @ 1½" BINDER COURSE) REQ'D.
- ② 6" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 3 @ 1½" BINDER COURSE) REQ'D.
- ③ 5½" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
- ④ 7" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP D) REQ'D.
- ⑤ PRIME COAT REQ'D. - MAY BE DELETED WHEN PERMITTED BY THE ENGINEER.
- ⑥ COMBINATION CONCRETE CURB & GUTTER TYPE 3 MODIFIED REQ'D.
- ⑦ INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)
- ⑧ 4½" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
- ⑨ RUMBLE STRIP REQ'D. (SEE SH. NO. 165)

1/2 FILL SECTION

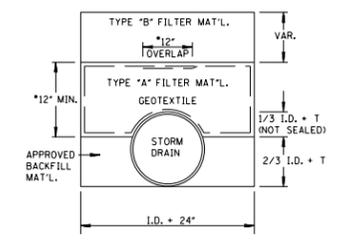


1/2 FILL SECTION

*USE 1/3 I.D. + T + 2" FOR STORM DRAINS 24" DIAMETER AND LARGER

*A 6" OVERLAP SHALL BE REQUIRED AT THE END OF EACH ROLL OF GEOTEXTILE

SHALL BE INCLUDED FOR PAYMENT UNDER PAY ITEM NO. 605-AA001 GEOTEXTILE FABRIC FOR SUBSURFACE DRAINAGE PER SQ.YD.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS CLAY ST. DURING (PHASE B)	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS6-B2
FILENAME:	SHEET NUMBER
DATE	CHECKED
DESIGN TEAM	DATE

\$FILES \$DATES

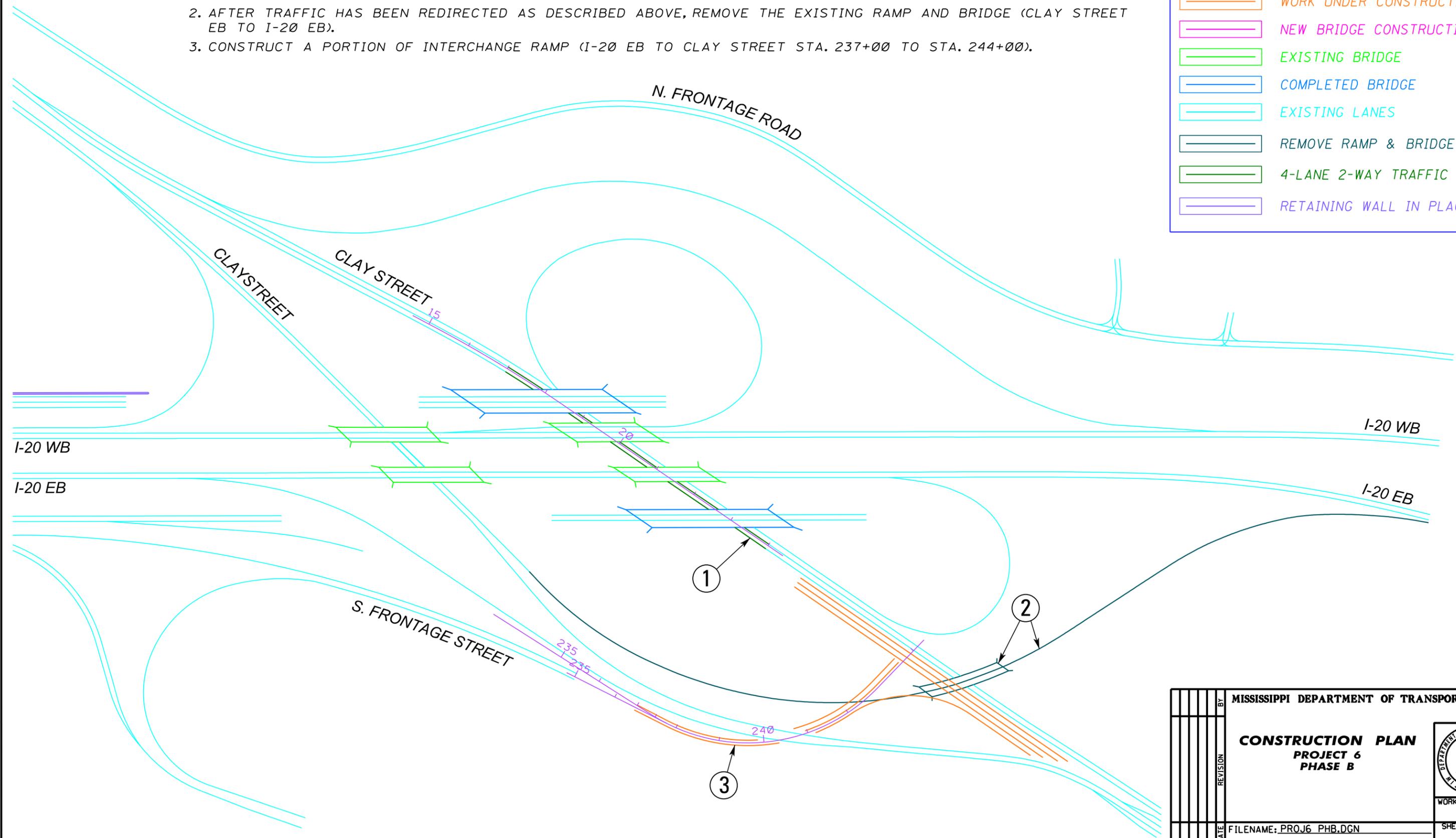
NARRATIVE

**PROJECT 6
PHASE B**

1. TRANSITION CLAY STREET DOWN TO 4-LANE 2-WAY TRAFFIC BETWEEN STA. 17+00 TO STA. 24+00 UNTIL PROJECT 7 IS COMPLETED. WIDENING OF CLAY STREET REQUIRED OUTSIDE THESE LIMITS.
2. AFTER TRAFFIC HAS BEEN REDIRECTED AS DESCRIBED ABOVE, REMOVE THE EXISTING RAMP AND BRIDGE (CLAY STREET EB TO I-20 EB).
3. CONSTRUCT A PORTION OF INTERCHANGE RAMP (I-20 EB TO CLAY STREET STA. 237+00 TO STA. 244+00).

LEGEND

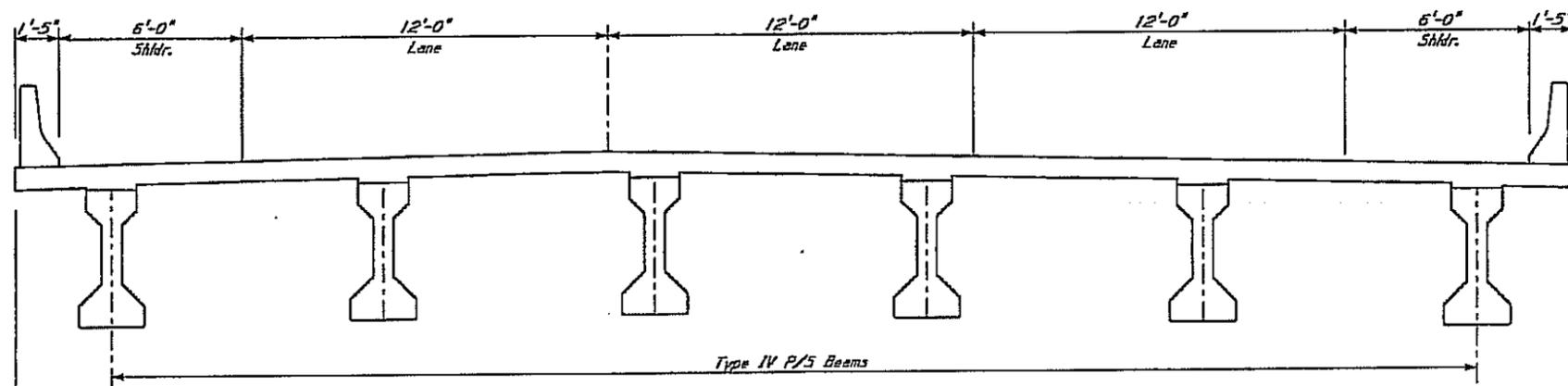
- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- REMOVE RAMP & BRIDGE
- 4-LANE 2-WAY TRAFFIC
- RETAINING WALL IN PLACE



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

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
CONSTRUCTION PLAN	
PROJECT 6 PHASE B	
WORKING NUMBER	
SHEET NUMBER	
DATE	FILENAME: PROJ6 PHB.DGN
DESIGN TEAM	CHECKED DATE

STATE	PROJECT NO.
MISS.	



FILE: S:\V\Projects\15562 120 VICKSBURG\Preliminary Drawings\120\120 Hwy 27 & RR\120 27 & RR.dgn
 DATE: 3/7/2011 TIME: 09:53:33 AM USER: CHC



PRELIMINARY
 NOT FOR
 CONSTRUCTION

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION				WORKING NUMBER BTSG-1
		1-20 VICKSBURG				
		NORTH FRONTAGE ROAD OVER OLD HWY. 27 & KCS RR				SHEET NUMBER
DATE	DESIGNED	DATE	DETAILED	DATE	TRACED	
	CHECKED		ISSUED		DATE	

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 6 PHASE A1)

County: WARREN

Lettingday: 06/30/2029

Scope of Work: ▼

Rural/Urban: Rural ▼ Grading: ▼

Rolling/Flat: ▼ Paving: ▼

Length in Miles: 0.48

Grading Cost Per Mile: \$1,910,000

Paving Cost Per Mile: \$3,470,000 (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:	0.48	x	\$1,910,000	x	115%	\$1,054,320
Paving Cost:	0.48		\$3,470,000	x	115%	\$1,915,440
Bridge cost:	72,700	x	\$125.00	x	115%	\$10,450,582
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	\$3,921,250.00	x	115%	\$4,509,438
Total Estimate:						\$17,929,779

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Lt. N. FR. RD. - 216+50 to 225+00 = \$3,421,250; Loop Ramp and extra earthwork = \$500,000.

Anticipating a 3% inflation factor per year, the estimated construction cost is \$32,100,000

(Includes Engineering and contingencies)

Remarks:

Used 4 Ln. New Location to compensate for 3-Ln C&G, storm sewer, and temporary barrier on shoulder for 2:1 slopes

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature Title

Summary of Projected Bridge Cost

	<u>FMS</u>		<u>External</u>
PE:	x		x
ROW:	x		x
Construction:	x		x

Route/Termini: I-20 @ Vicksburg (PROJECT 6 PHASE A1)
 County: WARREN
 Lettingday: 06/30/2029

	<u>Area of Bridge*</u>		<u>Per SF</u>		<u>Cost</u>	<u>Remarks</u>
Interchange Bridges	0	x	\$77	=	\$0	
Hydraulic Concrete Spans	0	x	\$75	=	\$0	
Grade Separations	0	x	\$77	=	\$0	
Steel Structures	0	x	\$145	=	\$0	
N.FR.RD. Over Old 27&RR	16,774	x	\$125	=	\$2,096,738	
S.FR.RD. Over OLD27&RR	9,049	x	\$125	=	\$1,131,125	
N.FR.RD Over CLAY ST.	26,318	x	\$125	=	\$3,289,800	
S.FR.RD. Over CLAY ST.	20,558	x	\$125	=	\$2,569,800	
Other Bridges	0	x	\$100	=	\$0	
	72,700	x	\$125.00	=	\$9,087,463	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

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 6 PHASE B1)

County: WARREN

Lettingday: 06/30/2029

Scope of Work: ▼

Rural/Urban: Urban ▼ Grading: ▼

Rolling/Flat: ▼ Paving: ▼

Length in Miles: 0.26

Grading Cost Per Mile: \$1,210,000

Paving Cost Per Mile: \$3,600,000 (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:	0.26	x	\$1,210,000	x	115%	\$361,790
Paving Cost:	0.26		\$3,600,000	x	115%	\$1,076,400
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)	1.00	x	\$157,000	x	115%	\$180,550
Additional Cost: (See note #2 below)		x		x	115%	\$0
Total Estimate:						\$1,618,740

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Remove Br. (Clay EB to I-20 EB) = \$124,000; Remove existing Conc. Pav't = \$32,000

Anticipating a 3% inflation factor per year, the estimated construction cost is \$2,900,000

(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 6 PHASE B2)

County: WARREN

Lettingday: 06/30/2029

Scope of Work: ▼

Rural/Urban: Urban ▼ Grading: ▼

Rolling/Flat: ▼ Paving: ▼

Length in Miles: 0.13

Grading Cost Per Mile: \$1,210,000

Paving Cost Per Mile: \$3,600,000 (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:	0.13	x	\$1,210,000	x	115%	\$180,895
Paving Cost:	0.13		\$3,600,000	x	115%	\$538,200
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)		x		x	115%	\$0
Total Estimate:						\$719,095

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is \$1,300,000

(Includes Engineering and contingencies)

Remarks:

Est. equivalent length to compensate for Intch ramp 14A & intersection at Clay

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 6 PHASE B3)

County: WARREN

Lettingday: 06/30/2029

Scope of Work: ▼

Rural/Urban: Urban ▼ Grading: ▼

Rolling/Flat: ▼ Paving: ▼

Length in Miles: 0.21

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:	0.21	x	\$1,450,000	x	115%	\$350,175
Paving Cost:	0.21		\$2,210,000	x	115%	\$533,715
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)		x		x	115%	\$0
Total Estimate:						\$883,890

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is \$1,600,000

(Includes Engineering and contingencies)

Remarks:

Est. Equivalency to compensate for widening Clay (23+00 to 34+00)

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 6 MISC.)

County: WARREN

Lettingday: 06/30/2029

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	\$514,515.00	x	115%	\$591,692
Total Estimate:						\$591,692

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -\$150,000 Adjustment of Impacted: Signals -(1)@\$150,000 = \$150,000: Signing- (1%) of \$21,451,504=\$214,515: Total Misc.= \$514,515

Anticipating a 3% inflation factor per year, the estimated construction cost is \$1,100,000

(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf Senior Certified Engineering Technician

Signature Title