

## **Alternative C**

### **Possible Project 1**

**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**

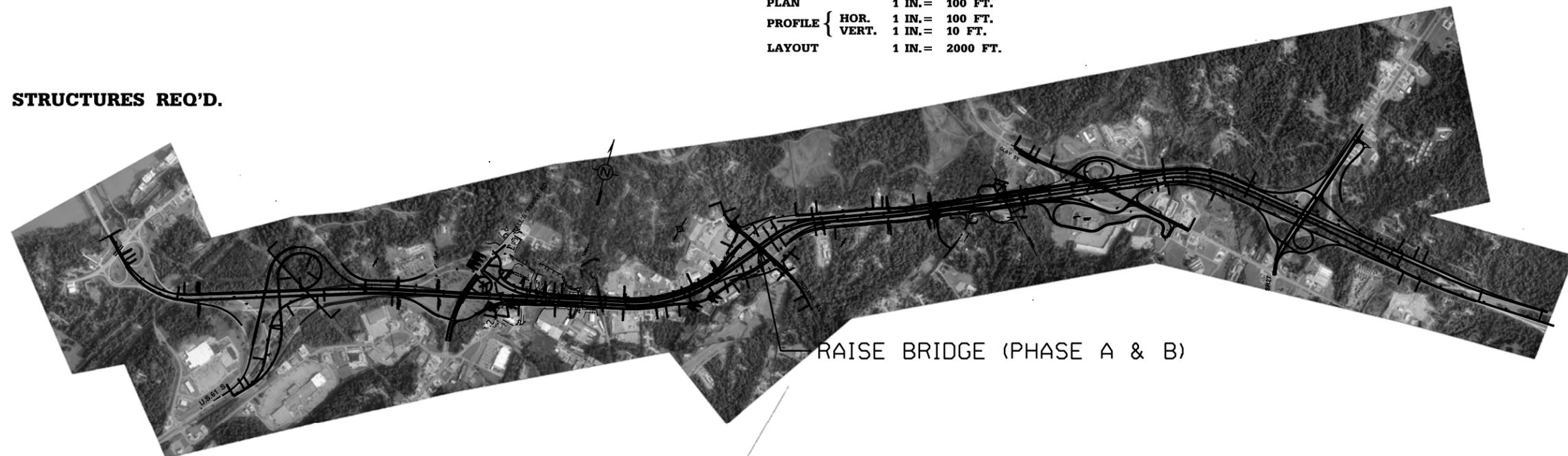
**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY  
**FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000**  
ALTERNATIVE C, PROJECT 1

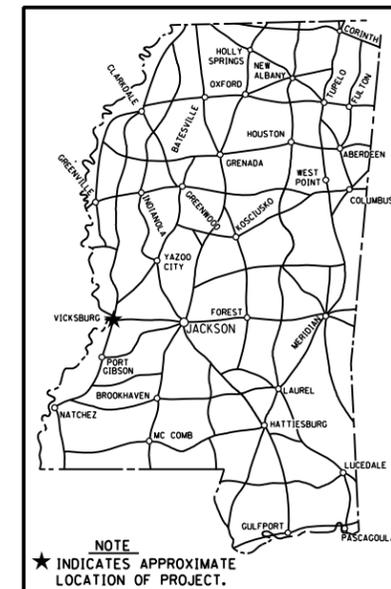
**SCALES**

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 AREA-S MINTB 6484)

S REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (I TO 4.99 ACRES MINTB 6483)

N NO STORMWATER PERMIT REQUIRED (1 ACRES)

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 161051.4 TITLE ALTERNATIVE C-1.DGN TITLE DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET

WKG.  
NO.

SH.  
NO.

TITLE SHEET (1)

DETAIL INDEX (1)

*DETAILED INDEX*

*DI1-1*

TYPICAL SECTIONS (1)

*TYPICAL SECTION - INDIANA AVE.*

*TS1-1*

PLAN & PROFILE SHEETS (1)

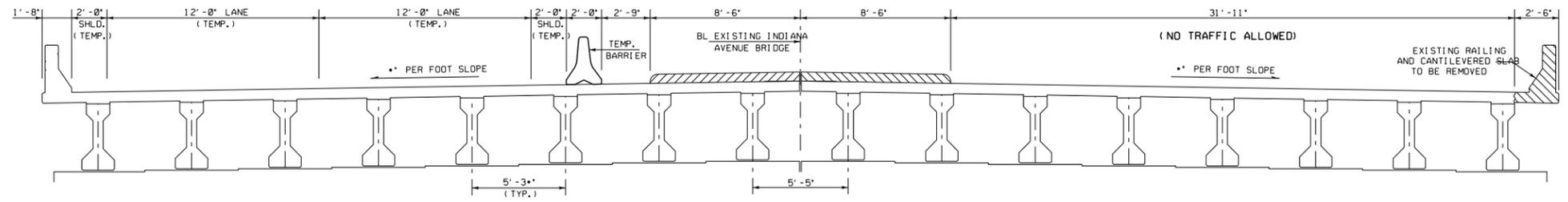
*PROJECT 1 - PHASE A & B*

*1A*

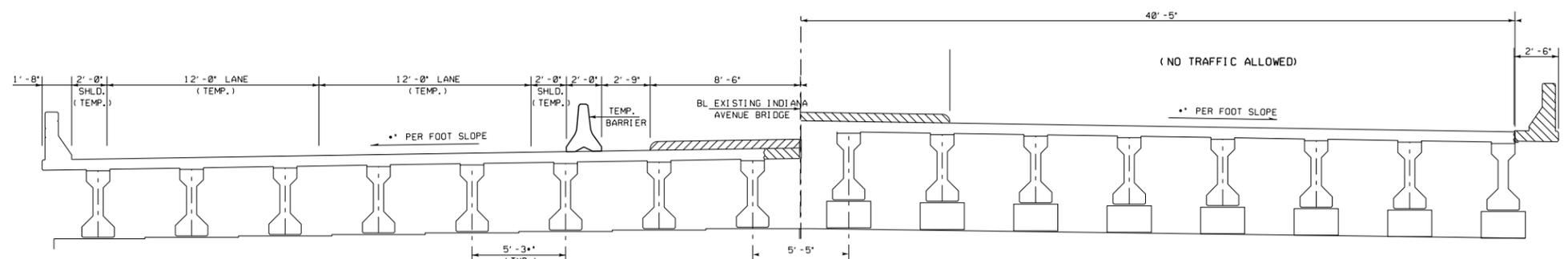
3/24/2011 08:56:35 I:INDEX.DGN PLAN DIVISION ROADWAY MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>Detailed Index</b> Alternative C Project 1	
WORKING NUMBER	DI1-1
SHEET NUMBER	
FILENAME: INDEX.DGN	
DESIGN TEAM	CHECKED DATE

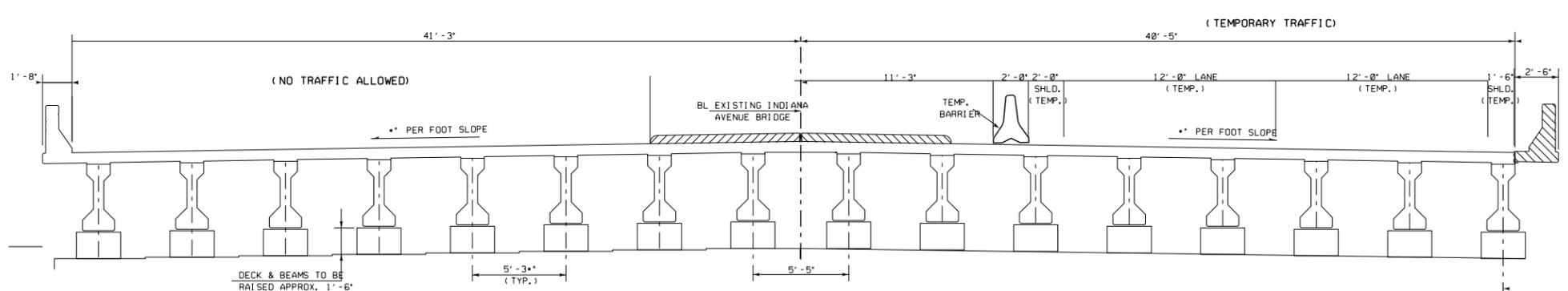




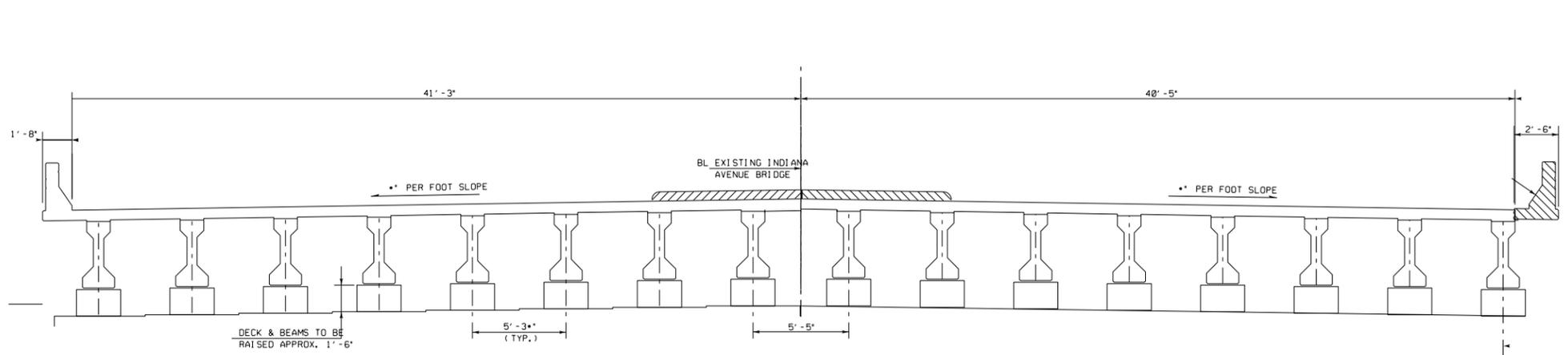
**ORIGINAL BRIDGE**



**RAISE RT 1/2 BRIDGE**



**RAISE LT 1/2 BRIDGE**



**COMPLETED PROJECT**

\$FILES  
 \$DATES

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTION INDIANA AVE.	
-	
-	
PROJECT NO.	WORKING NUMBER
COUNTY:	TS 1
FILENAME:	SHEET NUMBER
DATE	CHECKED
DESIGN TEAM	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 (Indiana Avenue)(PROJECT 1 PHASE A & B)

County: WARREN

Lettingday: 06/30/2014

Scope of Work: ▼

Rural/Urban: Rural ▼ Grading: ▼

Rolling/Flat: ▼ Paving: ▼

Length in Miles: 0.10

Grading Cost Per Mile: \$0

Paving Cost Per Mile: \$1,100,000 (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:	0.10	x	\$0	x	115%	\$0
Paving Cost:	0.10		\$1,100,000	x	115%	\$126,500
Bridge cost:	27,466	x	\$67.00	x	115%	\$2,116,255
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	\$225,000.00	x	115%	\$258,750
<b>Total Estimate:</b>						<b>\$2,501,505</b>

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Est. \$150,000 for Asphalt paving (1A & B). Estimate \$75,000 for Traffic Control.

**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**

**Summary of Projected Bridge Cost**

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

**Route/Termini:** I-20 @ Vicksburg (Indiana Avenue)(PROJECT 1 PHASE A & B)  
**County:** WARREN  
**Lettingday:** 06/30/2014

	<b><u>Area of Bridge*</u></b>		<b><u>Per SF</u></b>		<b><u>Cost</u></b>	<b><u>Remarks</u></b>
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	
Raise Existing Bridge	27,466	x	\$67	=	\$1,840,222	
Widen Existing Bridge	0	x	\$150	=	\$0	
Other Bridges	0	x	\$80	=	\$0	
Other Bridges	0	x	\$90	=	\$0	
Other Bridges	0	x	\$100	=	\$0	
	27,466	x	\$67.00	=	\$1,840,222	

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

**Remarks:**