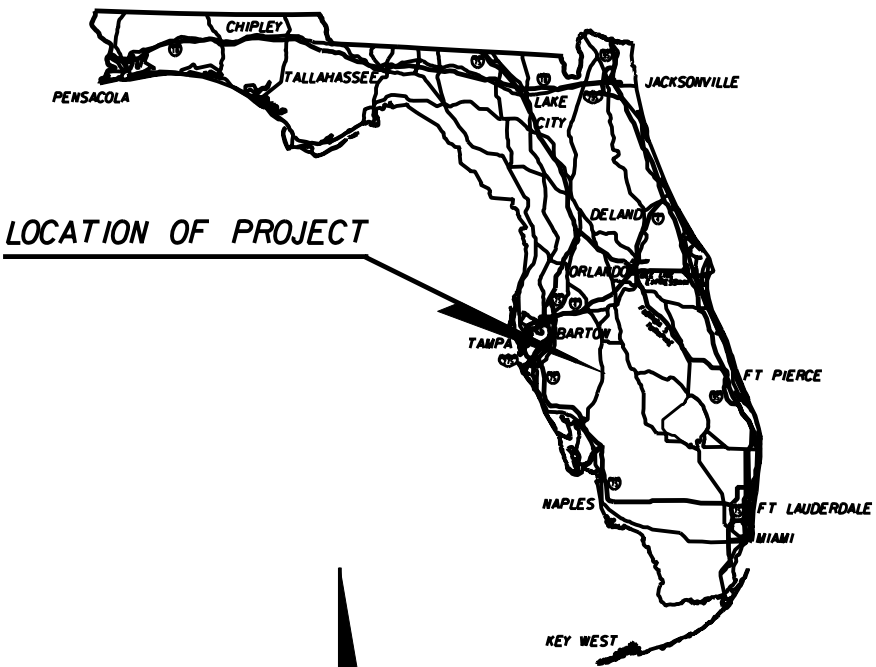


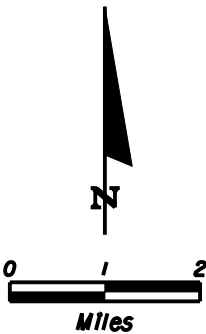
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID: 193891-I-52-01
DESOTO COUNTY
STATE ROAD NO. 31



LOCATION OF PROJECT



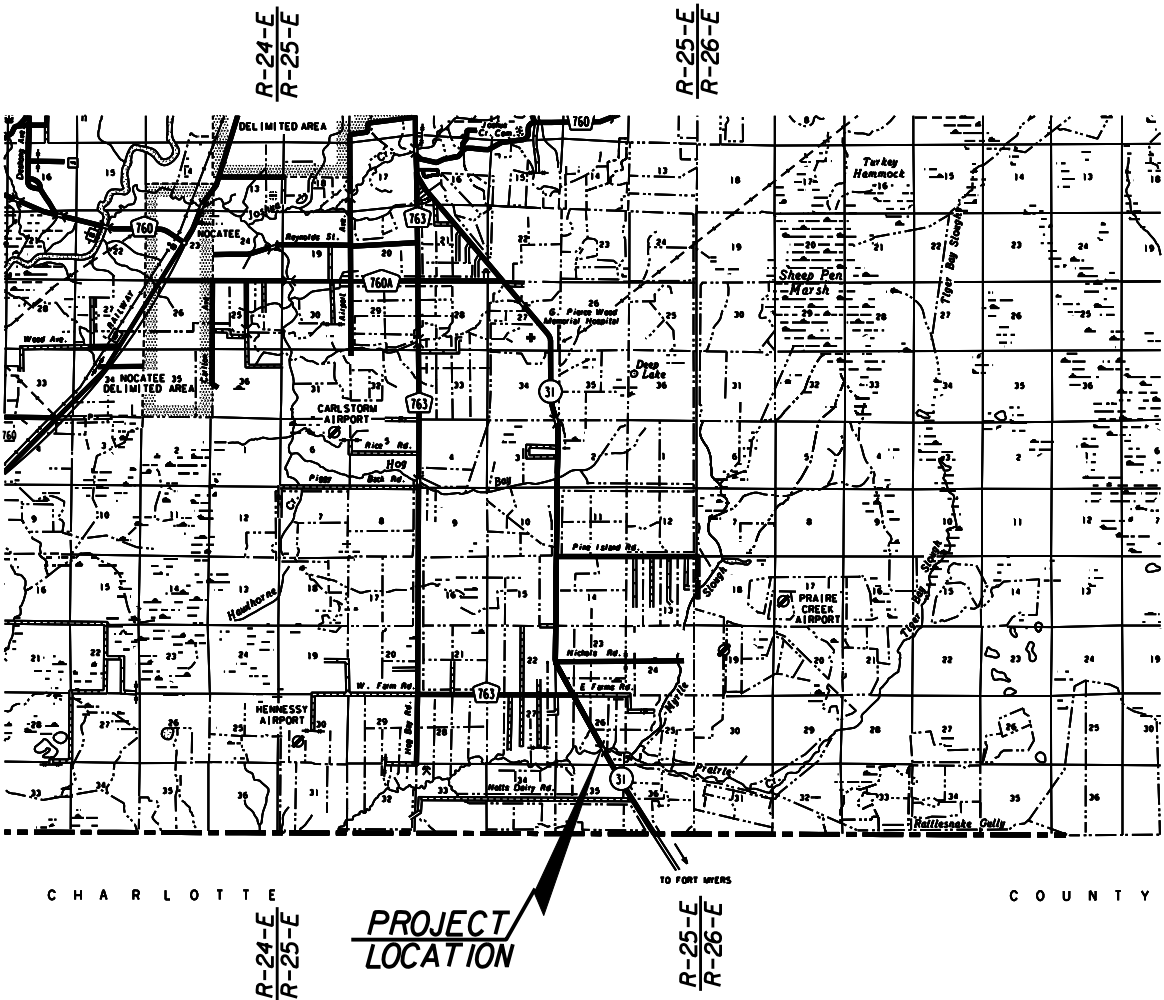
NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2006,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2004,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 7-I-06

For Design Standards Modifications click on
"Design Standards" at the following web site:
<http://www.dot.state.fl.us/rddesign>

REVISIONS:



PROJECT
LOCATION

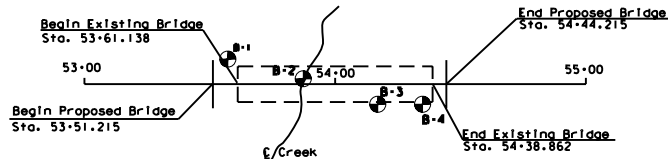
PROJECT LENGTH IS BASED ON 1/4 OF SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY		
BRIDGES		
NET LENGTH OF PROJECT		
EXCEPTIONS		
GROSS LENGTH OF PROJECT		

FDOT PROJECT MANAGER:

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

FISCAL YEAR	SHEET NO.



Latitude: 27.05165 North
Longitude: -81.78550 West

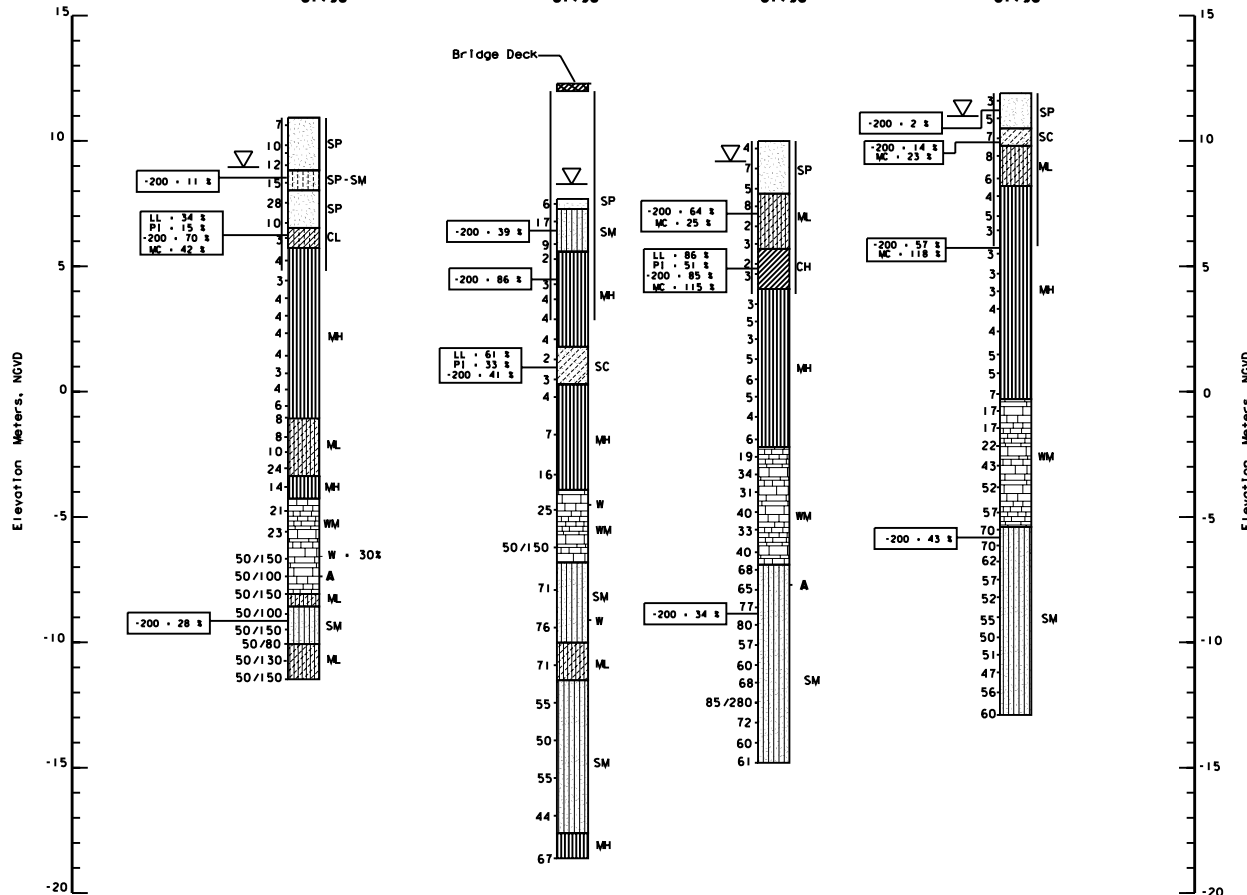
FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.
3	FLA	04010-3507		B-13

BORING NO. B-1
Sta. 53+57
10 m LT. of ζ
Elev 10.93 m
01/96

BORING NO. B-2
Sta. 53+92
2 m LT. of ζ
Elev 7.70 m
01/96

BORING NO. B-3
Sta. 54+17
8 m RT. of ζ
Elev 9.73 m
01/96

BORING NO. B-4
Sta. 54+35
8 m RT. of ζ
Elev 11.90 m
01/96



LEGEND :

- SP. Poorly graded sands, sand-silt mixtures.
- SM. Silty sands, sand-silt mixtures.
- SP-SM. Poorly graded sands and gravelly sands, to silty sands, sand-silt mixtures.
- MH. Inorganic silts micaceous or diatomaceous fine sands or silts, elastic silts.
- CH. Inorganic clays of High plasticity, fat clays.
- SC. Clayey sands, sand-clay mixtures.
- CL. Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
- ML. Inorganic silts, very fine sands, rock flour silty or clayey, fine sands.
- WM. Moderately weathered Limerock.

NOTES :

Numbers to the left of borings indicate SPT values for 300 mm penetration. (Unless otherwise noted.)

50/90 = Number of Blows for 90 mm of penetration.

∇ = Water Table

A = Artesian Flow noted during drilling at this location

W = 100 % loss of circulating water. (Unless otherwise noted)

Type Rig = Falling 250

Hammer Type = Manual

= Casing used

WATER :

Resistivity : 2620 ohms-cm, Chlorides : 80 ppm, Sulfates : 60 ppm, pH : 7.1

ENVIRONMENTAL CLASSIFICATION :

Substructure : Moderately Aggressive
Superstructure : Slightly Aggressive

Granular Materials- Relative Density	SPT (Blows/300mm)
Very Loose	Less than 4
Loose	4 - 10
Medium or Compact	10 - 30
Dense	30 - 50
Very Dense	Greater than 50

Silts and Clays- Consistency	SPT (Blows/300mm)
Very Soft	Less than 2
Soft	2 - 4
Firm	4 - 8
Stiff	8 - 15
Very Stiff	15 - 30
Hard	Greater than 30

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
2/25/97	MEH	Corrected N-Values for B-2 & B-4			
		Loss of water at 16.8 m			
		Revised Font size on Plan drawing			

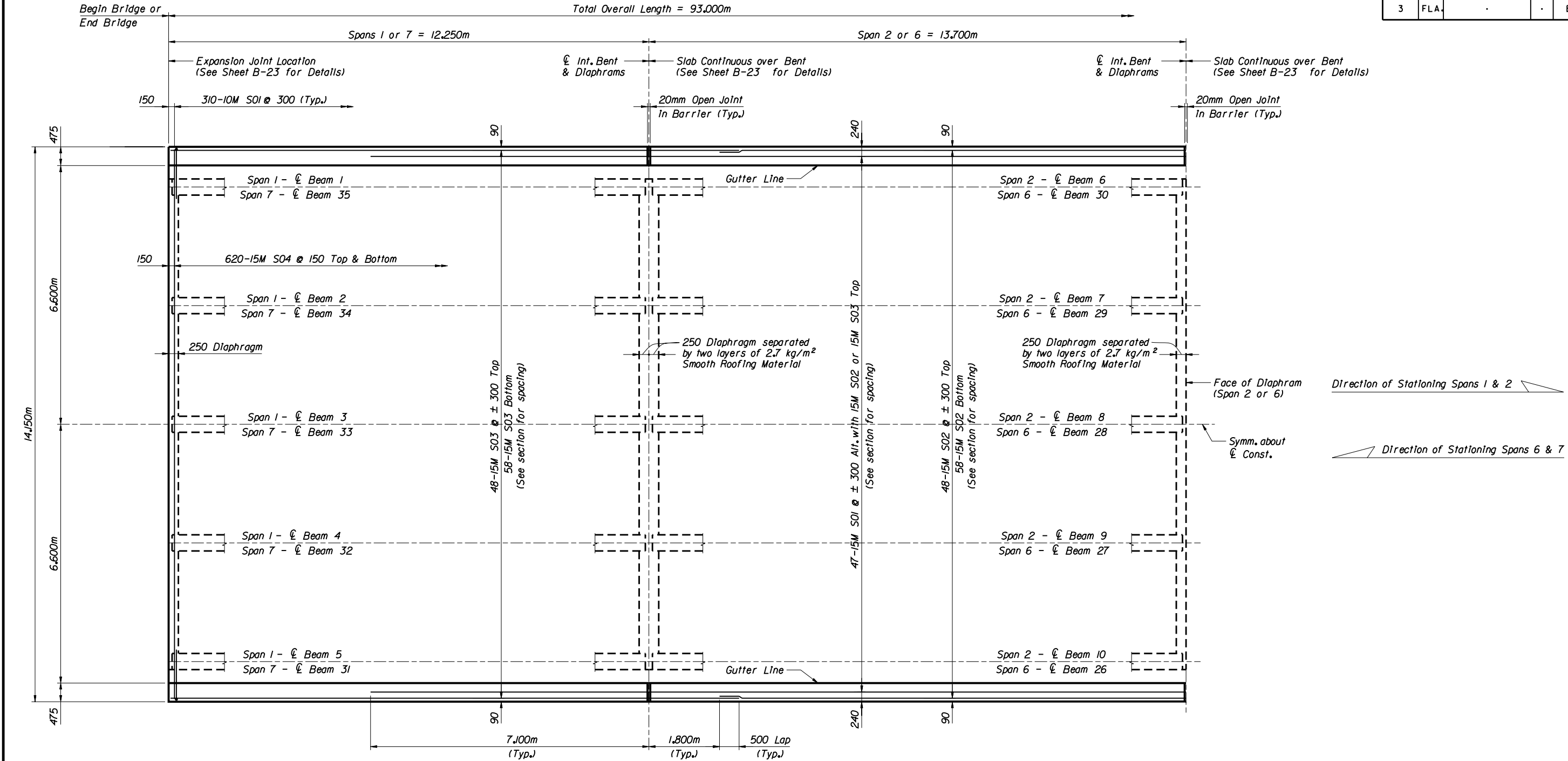
DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY
DMA	2/97	MEH	2/97	B.W. Jory, P.E.
DMA	2/97	MEH	2/97	
MEH	2/97			

ENGINEER OF RECORD,
MATERIALS OFFICE
DISTRICT 1
801 N. Broadway
Barrow, Florida 33630-1249



ROAD NO.	COUNTY	PROJECT NO.
31	Desoto	04010-3507

SHEET TITLE	DRAWING NO.
Report of Core Borings	1
PROJECT NAME	INDEX NO.
SR 31 at Prairie Creek	

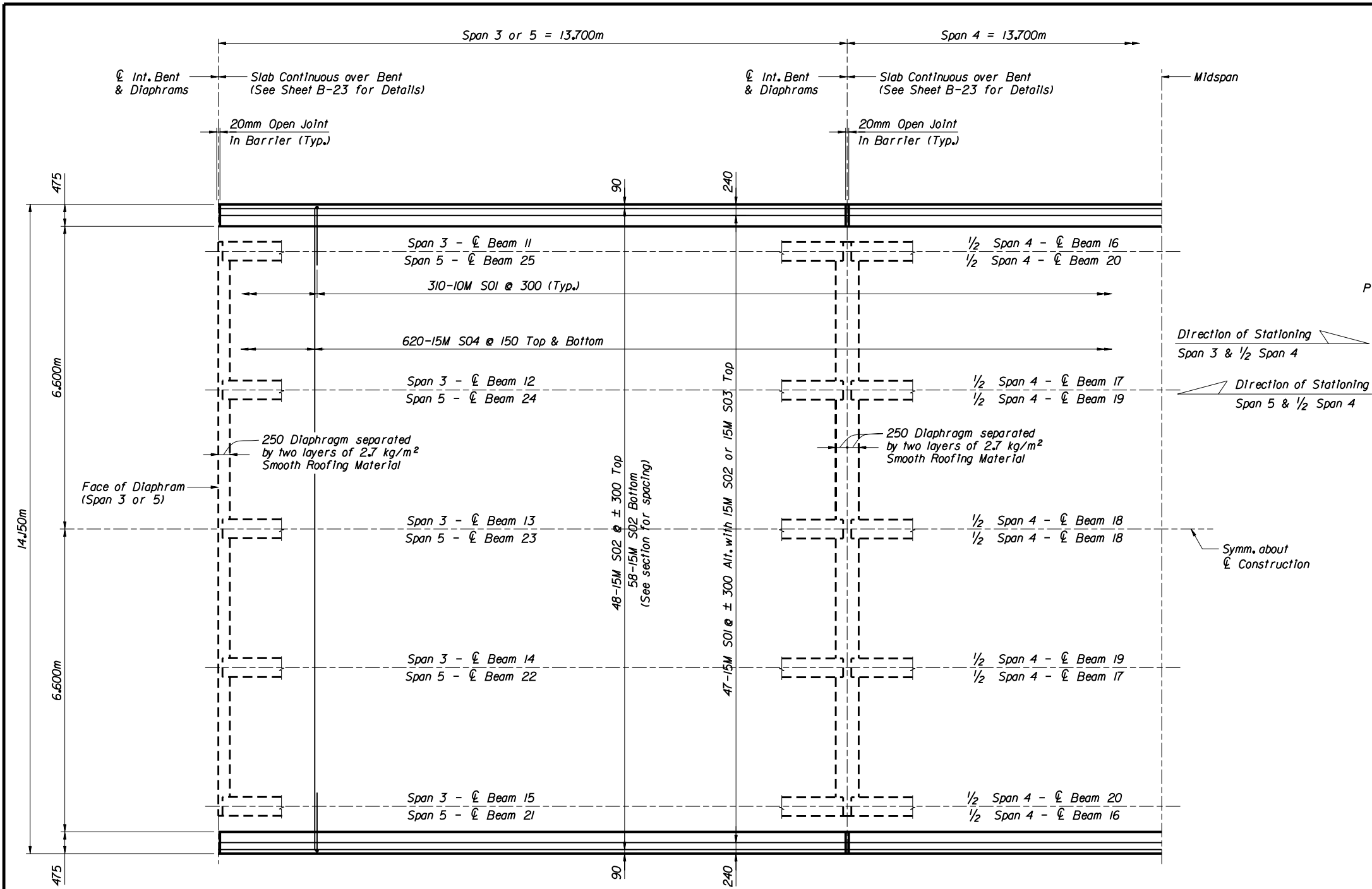


PLAN
(SPANS 1 & 2 OR 6 & 7)

* ESTIMATED QUANTITIES			
ITEM		UNIT	QUANTITY
Class II Concrete (Superstructure)	Beam build-up	m ³	2.45
	Diaphragms	m ³	33.63
	Deck Slab	m ³	263.19
	Total		299.3
Reinforcing Steel (Superstructure)		kg	5578.3
Concrete Handrail Barrier		m	186.0

* Quantities are for complete Superstructure.

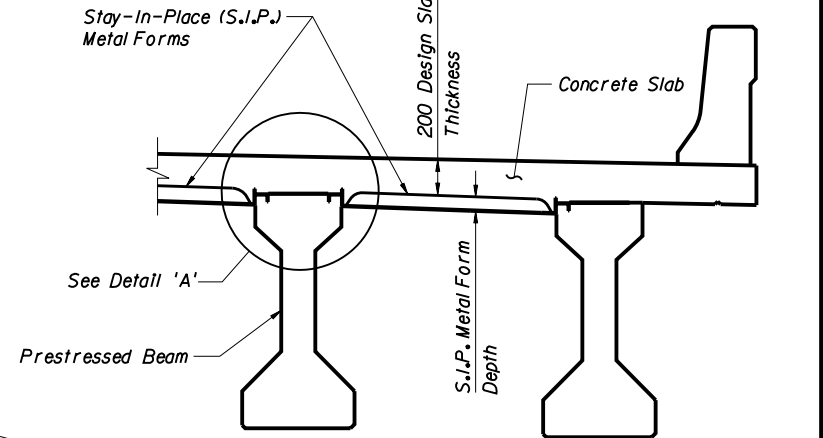
REVISIONS						ENGINEER OF RECORD		LOGO	SEAL	FLORIDA DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN OFFICE			SHEET TITLE	DRAWING NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DRAWN BY	NAMES			ROAD NO.	COUNTY	PROJECT NO.		
						DRAWN BY	ISW	11-96		S.R. 31	DESDTO	04010-3507	7-SPAN SUPERSTRUCTURE	1 of 2
						CHECKED BY	HSH	11-96						
						DESIGNED BY	HSH	11-96						
						CHECKED BY	JR	11-96						
						APPROVED BY	J. Jordan, P.E.						S.R. 31 BRIDGE OVER PRAIRIE CREEK, BRIDGE NO. 040055	INDEX NO.



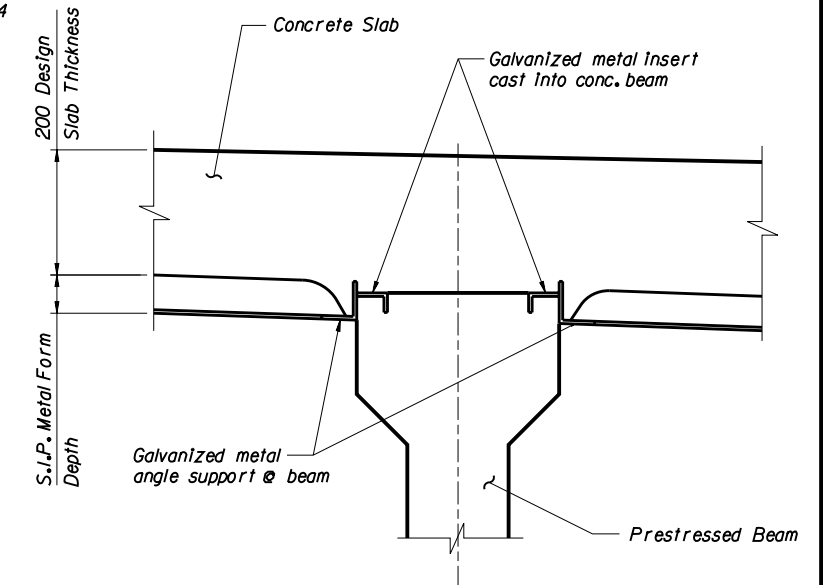
PLAN
(SPANS 3, 4 & 5)

STAY-IN-PLACE METAL FORM NOTES:

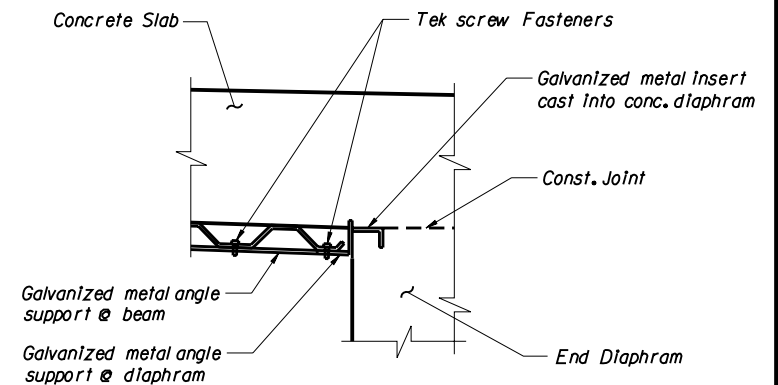
- The Superstructure Concrete Quantities shown do not include the concrete required to fill the stay-in-place metal form flutes.
- The cost of the stay-in-place metal forms, the concrete required to fill the flutes, the metal form attachments and accessories and all miscellaneous items required to install the forms shall be included in the Contract Unit Price for the Superstructure Concrete.
- Electrical grounding to reinforcing steel is prohibited.



PARTIAL SECTION THRU SUPERSTRUCTURE
(Showing Typical Details and Notes for S.I.P. Metal Forms)



DETAIL 'A'
STAY-IN-PLACE FORM DETAILS



PARTIAL SECTION THRU END OF SPAN

DATE: 13-Jun-97 16:00 FILE: exccado\740\952302\prairie\sp7 span2.dgn

REVISIONS						DRAWN BY	NAMES	DATES	ENGINEER OF RECORD	LOGO	SEAL	ROAD NO.	COUNTY	PROJECT NO.	SHEET TITLE	DRAWING NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION											
						ISW	ISW	11-96	JMI ENGINEERS, INC. 900 WINDERLEY PLACE, STE. 148 MAITLAND, FLORIDA 32751 TEL. 407-875-1550 FAX. 407-875-0560			S.R. 31	DESDTO	04010-3507	7-SPAN SUPERSTRUCTURE	2 of 2
						HSH	HSH	11-96								
						JR	JR	11-96								
						J. Jordan, P.E.	J. Jordan, P.E.									

FLORIDA DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN OFFICE		
ROAD NO.	COUNTY	PROJECT NO.
S.R. 31	DESDTO	04010-3507

SHEET TITLE: <i>7-SPAN SUPERSTRUCTURE</i>		DRAWING NO. <i>2 of 2</i>
PROJECT NAME: <i>S.R. 31 BRIDGE OVER PRAIRIE CREEK, BRIDGE NO. 040055</i>		INDEX NO. .