

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF DRAINAGE PLANS

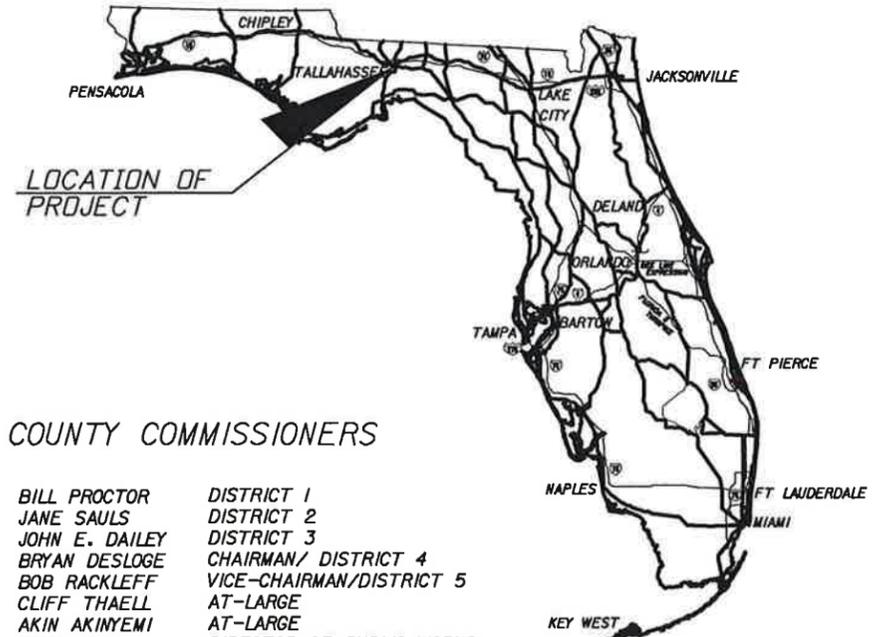
SHEET NO. SHEET DESCRIPTION

- G1 KEY SHEET
- 1 PLAN, ELEVATION AND DETAILS
- 2 GENERAL NOTES AND DETAILS
- 3 BEAM SEAT DETAILS

LEON COUNTY
DEPARTMENT OF PUBLIC WORKS

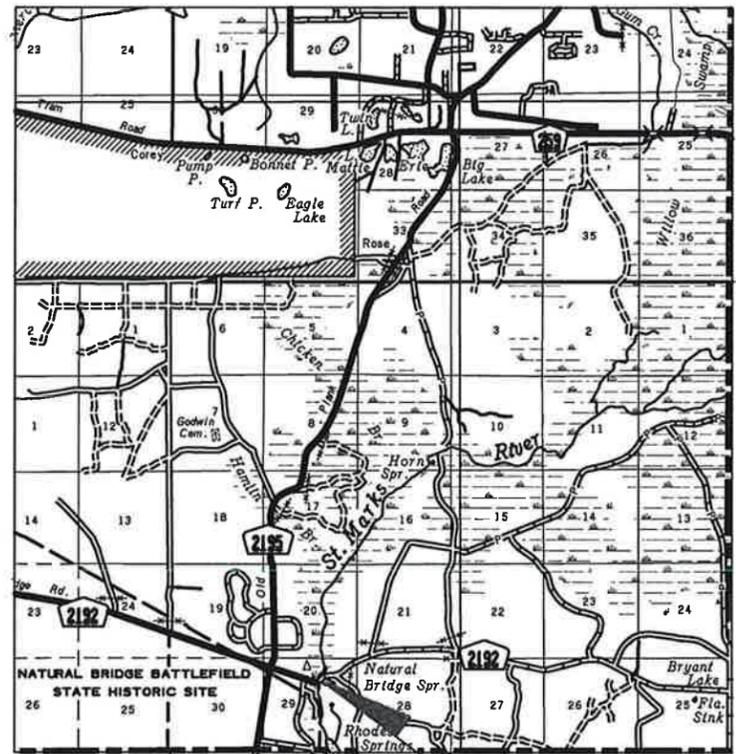
CONTRACT PLANS

NATURAL BRIDGE ROAD OVER
ST. MARKS BRANCH



COUNTY COMMISSIONERS

- BILL PROCTOR DISTRICT 1
- JANE SAULS DISTRICT 2
- JOHN E. DAILEY DISTRICT 3
- BRYAN DESLOGE CHAIRMAN/ DISTRICT 4
- BOB RACKLEFF VICE-CHAIRMAN/DISTRICT 5
- CLIFF THAELL AT-LARGE
- AKIN AKINYEMI AT-LARGE
- TONY PARK DIRECTOR OF PUBLIC WORKS
- PARWEZ ALAM COUNTY ADMINISTRATOR



PROJECT LOCATION

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2010,
AND STANDARD SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2010,
AS AMENDED BY CONTRACT DOCUMENTS.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 01/01/10
For Design Standards modifications go to the following Web site:
<https://www.dot.state.fl.us/rddesign/Design%20Standards/Standards.htm>

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:



LEON COUNTY DEPARTMENT OF PUBLIC WORKS
2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308
PHONE (850) 606-1500 • FAX (850) 606-1501

PLANS PREPARED BY:



REGISTE, SLIGER ENGINEERING, INC.

CIVIL AND STRUCTURAL ENGINEERING CONSULTANT
CERT. OF AUTHORIZATION # 9292
1427 N. Bronough Street- Tallahassee, FL 32303
PHONE: (850) 894-4521 - FAX: (850) 224-0505

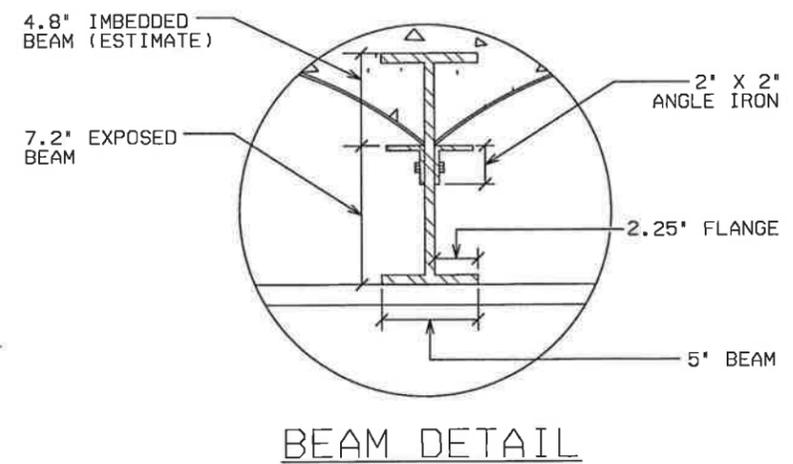
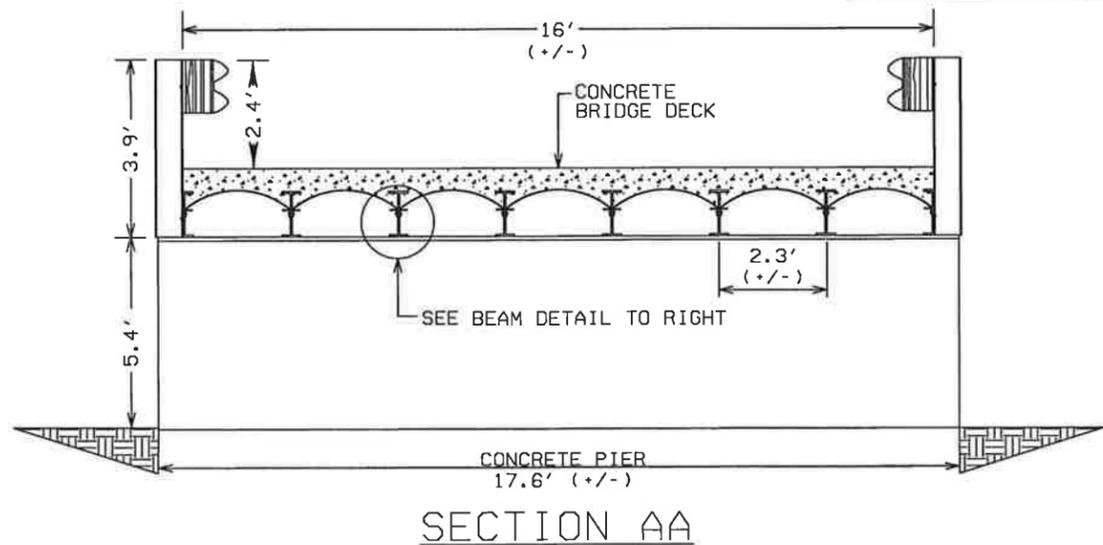
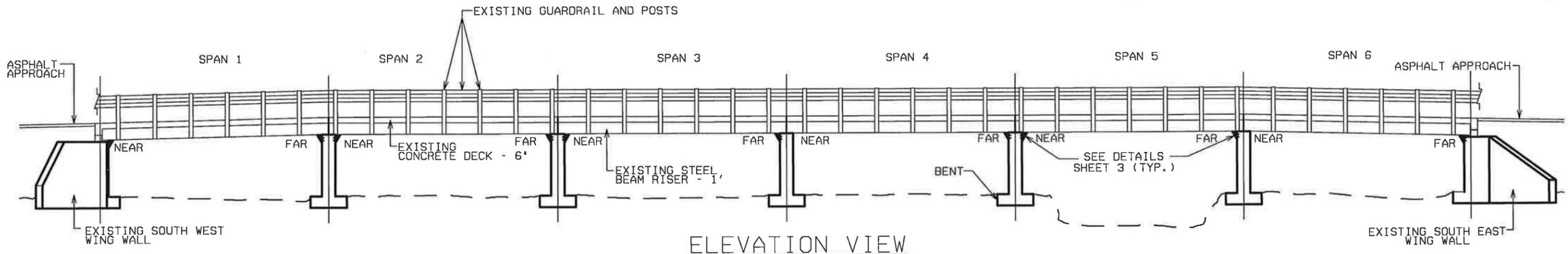
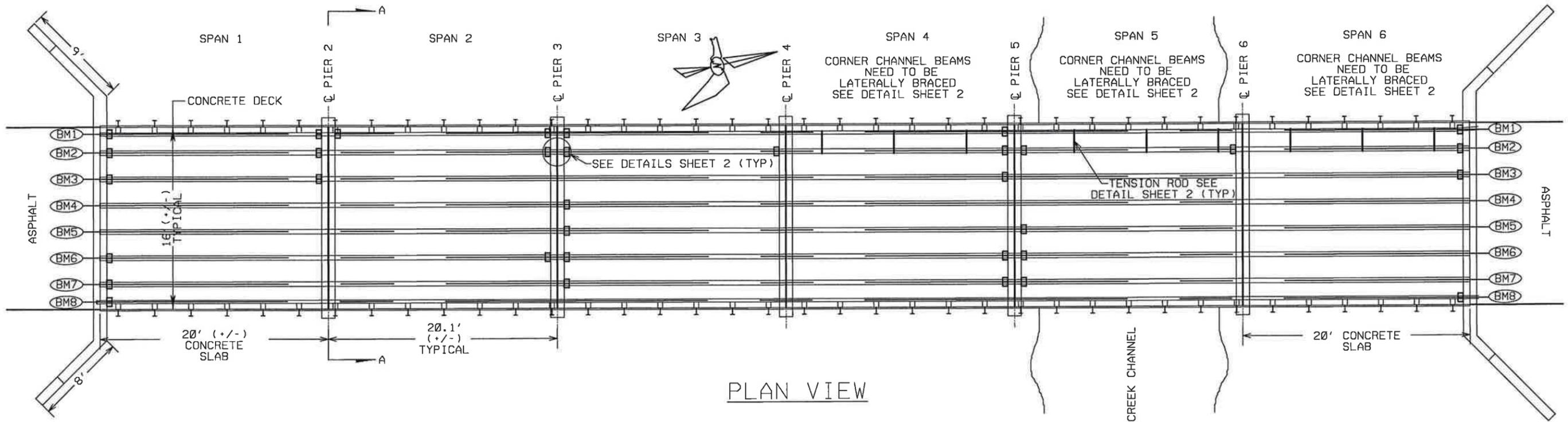
NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ENGINEER OF RECORD: JACQUES REGISTE, P.E.

P.E. NO. 43397

3/25/10	FISCAL YEAR	SHEET NO.
10		G1



Registe
3/25/10

DATE	BY	DESCRIPTION

ENGINEER OF RECORD:

JACQUES, REGISTE, P.E.
P.E. #43397

REGISTE, SLIGER ENGINEERING, INC.
CIVIL AND STRUCTURAL ENGINEERING CONSULTANT
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LEON COUNTY DEPARTMENT OF PUBLIC WORKS
2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308
PHONE (850) 488-8003 * FAX (850) 488-1280

PLAN, ELEVATION AND DETAILS

PROJECT NAME:
NATURAL BRIDGE ROAD OVER ST. MARKS BRANCH

SHEET NO.
1

GENERAL NOTES:

GENERAL SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (2010)

WORKMANSHIP:

ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE GENERAL SPECIFICATIONS. MEASURES SHALL BE TAKEN TO PREVENT MATERIAL AND DEBRIS FROM FALLING FROM THE BRIDGE.

REPAIR SPECIFICATIONS:

THESE SPECIFICATIONS WERE PREPARED AS AN AID FOR THE CONTRACTOR AND ARE INTENDED TO BE USED IN ADDITION TO MANUFACTURER'S RECOMMENDATIONS.

DELIVERY, STORAGE, AND HANDLING:

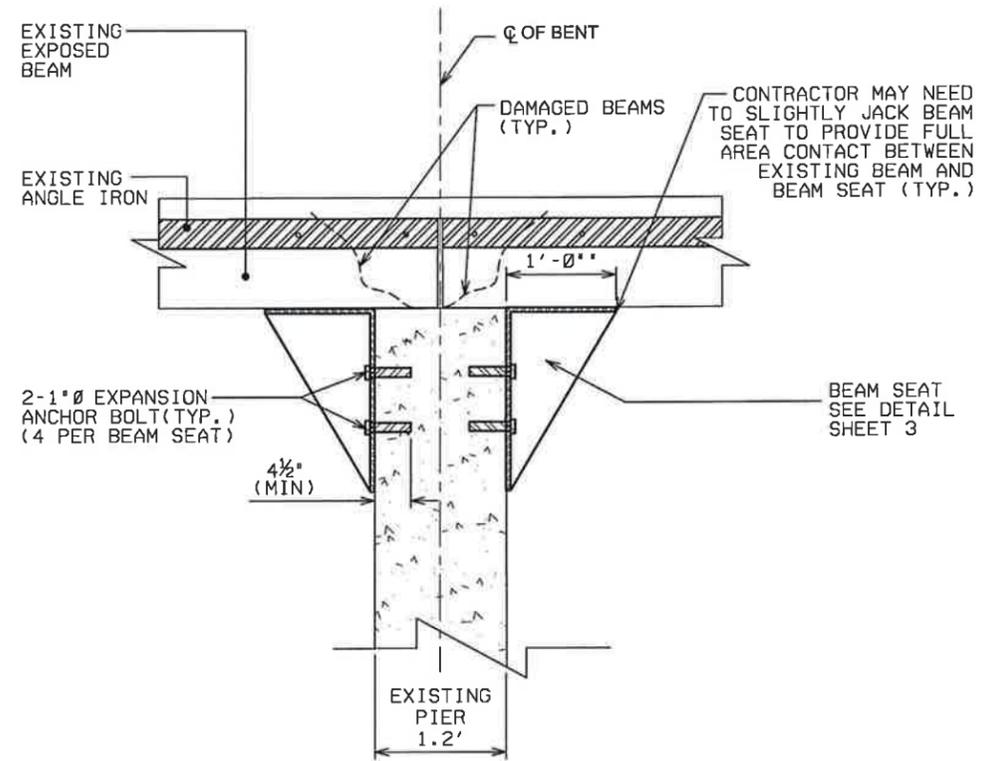
ALL MATERIALS SHALL BE DELIVERED IN ORIGINAL, UNOPENED CONTAINERS WITH MANUFACTURER'S NAME, LABELS, PRODUCT IDENTIFICATION, AND BATCH NUMBERS. DAMAGE MATERIAL MUST BE REMOVED FROM THE SITE IMMEDIATELY. STORE ALL MATERIALS OFF THE GROUND AND PROTECT FROM RAIN OR EXCESSIVE HEAT UNTIL READY TO USE.

JOB CONDITIONS:

DO NOT APPLY MATERIALS IF IT IS RAINING, OR IF RAIN APPEARS IMMINENT. MINIMUM APPLICATION TEMPERATURE 45 DEGREES F AND RISING. SPECIAL PRECAUTION SHOULD BE TAKEN TO AVOID DAMAGE TO ANY SURFACE NEAR THE WORK ZONE DUE TO MIXING AND HANDLING OF THE SPECIFIED MATERIAL.

MANUFACTURER INFORMATION:

CONTRACTOR SHALL USE HILTI PRODUCTS KWIK BOLT III EXPANSION ANCHOR STAINLESS STEEL OR APPROVED EQAUL. INSTALL ACCORDING TO MANUFACTURERS SPECIFICATION. HILTI CAN BE CONTACTED AT 1-800-879-8000 OR AT WWW.US.HILTI.COM.



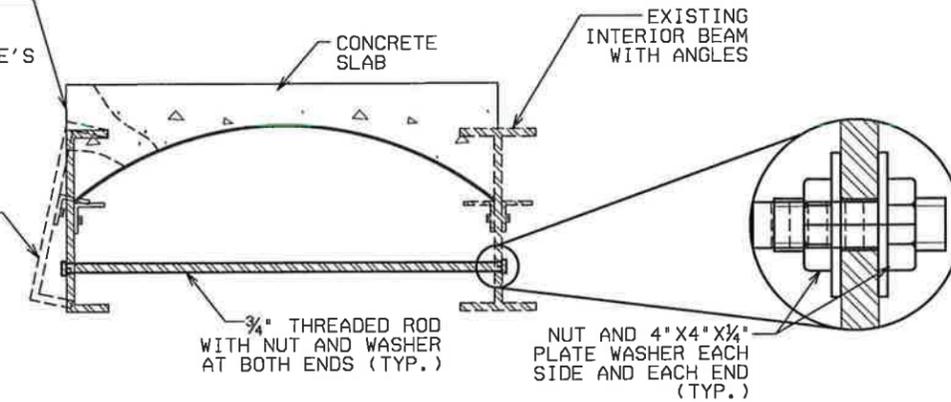
TYPICAL BEAM SEAT DETAIL

SUMMARY OF DEFECTIVE BEARING LOCATIONS			
NEAR END	FAR END	REMARKS	FIELD BOOK REFERENCE
1-1, 1-2, 1-3, 1-6, 1-7, 1-8	1-1, 1-2, 1-3,		
2-1	2-1, 2-2, 2-6,		
3-1, 3-2, 3-4, 3-5, 3-6, 3-7	3-2		
5-2, 5-5, 5-6, 5-7	4-1, 4-2, 4-3, 4-6, 4-7		
	5-2		
	6-1, 6-2, 6-3, 6-8		
TOTAL			

NOTE: 4-1" STAINLESS STEEL KWIK BOLT III EXPANSION ANCHOR ARE REQUIRED AT EACH LOCATION. ESTIMATED TOTAL = 136.

NON-SHRINK GROUT SHALL BE PROVIDED AT CONCRETE DECK DAMAGED SECTIONS PER LEON COUNTY REPRESENTATIVE'S LOCATION REQUEST.

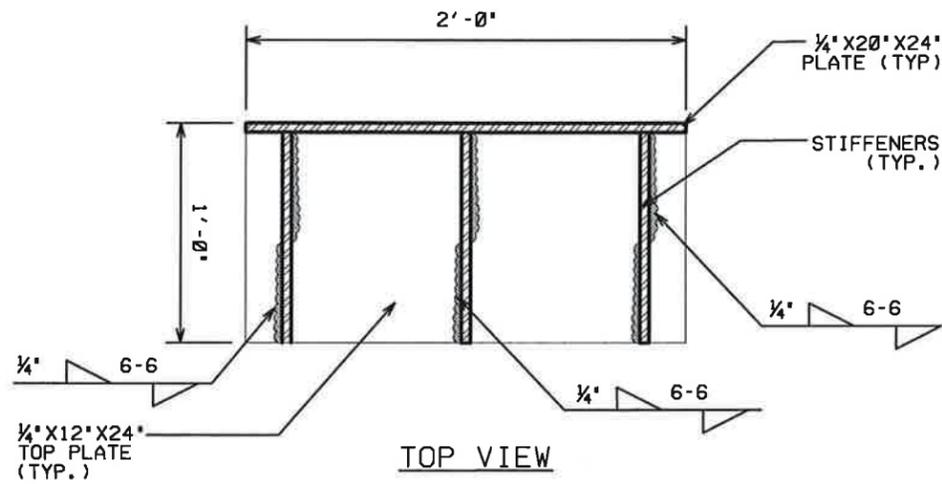
OUTSIDE EXISTING CHANNEL BEAM TO BE SET/ SECURE VERTICAL PRIOR TO INSTALLATION OF TENSION BAR.



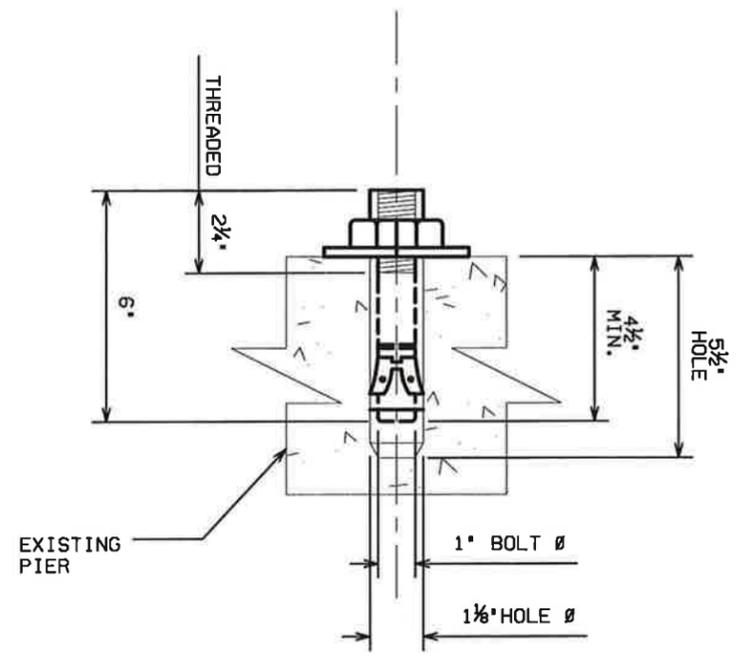
TENSION ROD LATERAL SUPPORT DETAIL
3 PER SPAN

Handwritten signature and date: 3/25/10

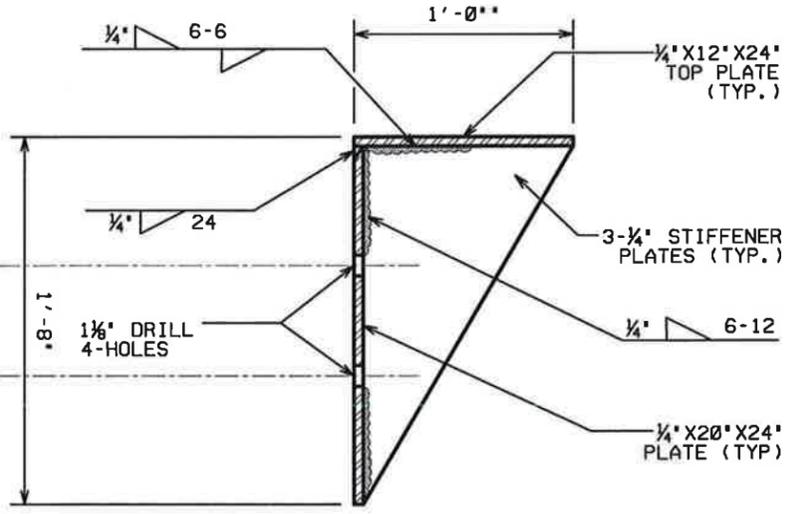
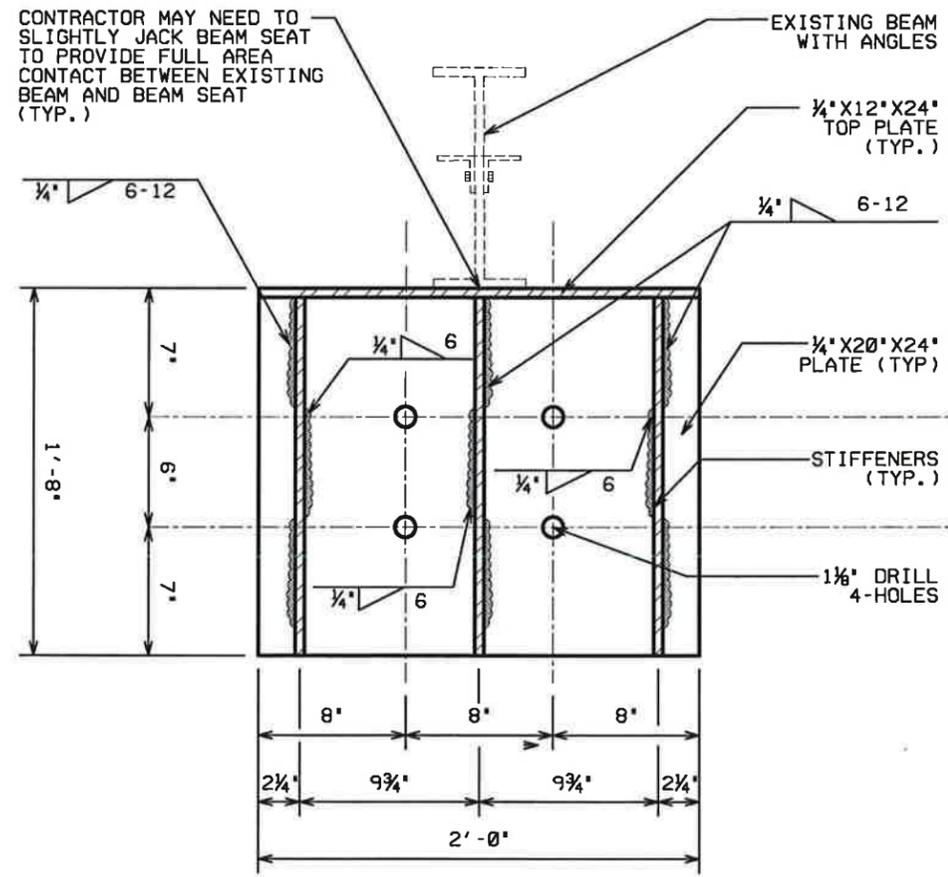
DATE	BY	DESCRIPTION	ENGINEER OF RECORD:	REGISTE, SLIGER ENGINEERING, INC.	LEON COUNTY DEPARTMENT OF PUBLIC WORKS	GENERAL NOTES AND DETAILS	SHEET NO.
			JACQUES. REGISTE, P.E. P.E. #43397	CIVIL AND STRUCTURAL ENGINEERING CONSULTANT CERT. OF AUTHORIZATION # 9292 1427 N. Bronough Street- Tallahassee, FL 32303 PHONE: (850) 894-4521 - FAX: (850) 224-0505	2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 488-8003 * FAX (850) 488-1260	PROJECT NAME: NATURAL BRIDGE ROAD OVER ST. MARKS BRANCH	2



- STEEL NOTES:
- 1) 1" Ø STAINLESS STEEL KWIK BOLT III EXPANSION ANCHOR OR APPROVED EQUAL MIN. EMBEDMENT DEPTH OF 4 1/2" (TYP)
 - 2) HOLES TO BE 1 1/8" Ø.
 - 3) ALL STEEL MEMBERS TO BE A36 STEEL AND HOT DIPPED GALVANIZED.
 - 4) STEEL PLATES TO BE WELDED WITH E70 ELECTRODES WITH A MIN. TENSILE STRENGTH OF 70 KSI.
 - 5) USE A MIN. OF 1/4" WELD ALL AROUND.



1" Ø STAINLESS STEEL KWIK BOLT III EXPANSION ANCHOR EMBEDMENT DETAIL



BEAM SEAT DETAIL

J. Sliger
3/25/10

DATE	BY	DESCRIPTION	ENGINEER OF RECORD:	REGISTE, SLIGER ENGINEERING, INC.	LEON COUNTY DEPARTMENT OF PUBLIC WORKS	BEAM SEAT DETAILS	SHEET NO.
			JACQUES. REGISTE, P.E. P.E. #43397	CIVIL AND STRUCTURAL ENGINEERING CONSULTANT CERT. OF AUTHORIZATION # 9292 1427 N. Bronough Street - Tallahassee, FL 32303 PHONE: (850) 894-4521 - FAX: (850) 224-0505	2280 MICCOSUKEE ROAD, TALLAHASSEE, FLORIDA 32308 PHONE (850) 488-8003 * FAX (850) 488-1260	PROJECT NAME: NATURAL BRIDGE ROAD OVER ST. MARKS BRANCH	3