

## INVITATION TO BID

Board of County Commissioners of Franklin County, Indiana invite bids for

### BRIDGE REPAIR PROJECT, BRIDGE #81, ST MARYS ROAD

The Contractor shall furnish all the necessary labor and equipment to:

BASE PROJECT: Remove trees & brush, remove log jam, form & place concrete, install guardrail.

ADDITIONAL PROJECT A: Remove asphalt overlay and seal bridge deck. Possible other bridges

ADDITIONAL PROJECT B: Set precast concrete blocks, concrete, riprap. Possible other bridges

THE FRANKLIN COUNTY HIGHWAY DEPARTMENT WILL FURNISH:

1. TRAFFIC CONTROL SIGNS AND BARRACADES
2. POURED-IN-PLACE CONCRETE, REINFORCING STEEL AND PUMPER TRUCK
3. GUARDRAIL POST, GUARAIL AND BOLTS
4. BRIDGE DECK SEALER
5. CRUSHED STONE, RIPRAP, OR SHOTROCK IF REQUIRED
6. PRECAST 4' X 4' X 2' OR SMALLER CONCRETE BLOCKS

CONTRACTORS CAN SUBMIT A BID SHEET WITH ANY OR ALL PROJECTS COSTS COMPLETED.

PROJECT FUNDS ARE LIMITED, THE COMMISSIONERS MAY CHOOSE TO NEGOTIATE COSTS WITH THE SUCCESSFUL BIDDER BY ADJUSTING PROJECT QUANTITIES (INCREASING OR DECREASING) TO ACCOMPLISH THE MAXIMUM AMOUNT OF REPAIR WORK POSSIBLE. ADDITIONAL PROJECT WORK IF AWARDED WILL BE AWARDED ON A PER PROJECT SITE BASIS DEPENDING UPON THE COSTS. ONLY ONE CONTRACTOR WILL BE AWARDED ALL WORK ON EACH PROJECT SITE.

Bids will be received at the office of the Franklin County Commissioners. Government Center, 1010 Franklin Avenue, Room 201, Brookville, Indiana until **Noon, Friday, March 1, 2013** and publicly opened and read aloud at the regular March 4<sup>th</sup> - 10:00 AM meeting of the Franklin County Commissioners.

Bids shall be properly and completely executed on the attached **BID SHEET**, signed and dated.

A **pre-bid meeting** will be held at **10:00 A.M.** on **February 22** at the job site. The pre-bid meeting is not mandatory, however attendance is recommended to receive the latest updates and have questions answered in the timeliest manner. All question

A personnel check, certified check, bank draft, or satisfactory **bid bond** executed by the bidder and a surety Company, payable to the Treasurer of Franklin County, Indiana, in the amount equal to five (5%)percent of the bid shall be submitted with the bid. All questions shall be directed to Ted Cooley, Franklin County Engineer at 812-212-2435

Contractor(s) receiving the award before executing the required CONTRACT shall furnish:

1. A completed **CERTIFICATE OF LIABILITY INSURANCE** including Coverage and Workers Compensation
2. References and a list of previous completed project may also be required before award.

Common construction wage rates DO NOT APPLY for this work.

Plans, specification and bidding documents are available to view or download at: [www.franklincounty.in.gov/](http://www.franklincounty.in.gov/)

All work may begin on **March 11, 2013** and shall be completed by **September 1, 2013**. Individual projects shall not be delayed once started except because of the weather.

The Board of Commissioners reserves the right to accept or reject any bid (or bid options) or waive any informality or errors in bidding for a period of sixty (60) days from the bid date. The party to whom the contract is awarded will be required to forth-with execute work within ten (16) calendar days (weather permitting) following award of the contract to the successful bidder and the Notice to Proceed. In cases of failure to do so, the Board of Commissioners may at their option, consider that the bidder has abandoned the contract, in which case the Commissioners may make the award to the next (best) successful bidder.

Performance of work shall be in accordance with the project plans on file at the Franklin County Commissioners office noted above. A copy may be obtained at no charge.

BOARD OF COUNTY COMMISSIONERS FRANKLIN COUNTY, INDIANA

Thomas E. Wilson, President

Tom Linkel, Member

Scott McDonough, Member

BID SHEET		COMPANY:					
BRIDGE #81 ST MARYS ROAD BRIDGE REPAIR PROJECT				CLOSING: NOON, MARCH 1, 2013			
ESTIMATED QUANTITIES - PAID FOR ACTUAL QUANTITIES							
ITEM	INDOT	DESCRIPTION		EST. BID	UNIT	CONTRACTOR	
#	SECTION			QUANTITY	UNITS	PRICE	TOTAL
	NUMBER	LUMP SUM - UNIT PRICE CONTRACT					
CONTRACTOR TO FURNISH: LABOR AND EQUIPMENT							
FRANKLIN COUNTY HIGHWAY DEPARTMENT WILL FURNISH MATERIAL AS NOTED & CONCRETE PUMP TRUCK							
1	103.04	Insurance Premium		1	LS		
2	SPECIAL	Bond		1	LS		
3	110	Mobilization and Demobilization		1	LS		
4	801	Assistance with Traffic Controls and Maintenance Operations - - <b>MATERIAL BY FCHD</b>		1	LS		
5	SPECIAL	Cut 10 - 4" - 8" saplings - leave all material on site		18	EA		
6	SPECIAL	Cut 2 - 12" - 18" trees cut into 10' logs - leave all material on site		7	EA		
7	SPECIAL	Cut 2 - 24" - 30" trees cut into 10' logs - leave all material on site		2	EA		
8	SPECIAL	Removal of log jam - deposit material 300' up onto bank		1	LS		
9	SPECIAL	Form work for filling varmint holes exposed piles under north pile cap		1	LS		
10	702	Pump approximately 2 yards of concrete into varmint holes/pile encasement under bridge - <b>MATERIAL BY FCHD</b>		1	LS		
11	SPECIAL	Hand shovel/broom sand/debri out of bridge gutter/scuppers - leave on site		1	LS		
12	601	Guardrail, Special W-Beam End Shoe - attach to concrete bridge rail end (5-redheads)- <b>MATERIAL BY FCHD</b>		4	EA		
13	601	Guardrail, 5'-9" or 6'-6" long - W6X9 (6"X4") I-beam driven post - <b>MATERIAL BY FCHD</b>		30	EA		
14	601	Guardrail, W-Beam - 12'-6" length install on posts - <b>MATERIAL BY FCHD</b>		10	EA		
15	601	Guardrail, W-Beam - Buried Terminal Flared End End Section - <b>MATERIAL BY FCHD</b>		4	EA		
<b>BASE BID</b>							
<b>POSSIBLE ADDITIONAL DECK REPAIR WORK - ISSUED WITH CHANGE ORDER - POSSIBLE OTHER BRIDGE DECKS</b>							
16	SPECIAL	Saw cut asphalt to remove 1/2 asphalt at a time for traffic maintenance - <i>bridge to remain open during construction</i>		130	LFT		
17	SPECIAL	Remove asphalt from bridge deck with bobcat blade or excavator bucket- <b>Material hauled away in FCHS trucks</b>		348	SYD		
18	SPECIAL	Mill/grind asphalt off bridge deck (skid loader type) - 130.5' long X 24' wide = 3132 sft (348 SYD)		348	SYD		
19	SPECIAL	Sand blast bridge deck & air clean bridge deck - 130.5' long X 24' wide = 3132 sft (348 SYD)		348	SYD		
20	SPECIAL	Mix & Apply Sealer - roller application or squeegee application - <b>MATERIAL BY FCHD</b>		348	SYD		
21	SPECIAL	Apply grit using lawn fertilizer spreader - <b>MATERIAL BY FCHD</b>		348	SYD		
<b>POSSIBLE ADDITIONAL SCOUR REPAIR WORK - ISSUED WITH CHANGE ORDER - POSSIBLE OTHER BRIDGES</b>							
22	203	Excavate creek bottom for setting blocks or shotrock - spread spoils up outside bank		70	CYD		
23	SPECIAL	Placing 4ft X 4ft X 2ft Precast Concrete Block - <b>MATERIAL BY FCHD</b>		60	EA		
24	303	Install 12" riprap behind blocks - slope wall - <b>MATERIAL BY FCHD</b>		40	TON		
25	303	Install riprap under bridge - <b>MATERIAL BY FCHD</b>		70	TON		
26	702	Grout riprap slopewall - <b>MATERIAL BY FCHD</b>		36	CYD		
27	702	Placing pumped concrete behind and between precast concrete blocks - <b>MATERIAL BY FCHD</b>		32	CYD		
28	203	Realign creek		70	CYD		
<b>CONTRACTOR SIGNATURE:</b>							
<b>DATE:</b>							

AVERAGE DAILY TRAFFIC COUNT 2008 = 868  
 SUNMAN RD TO RUSSEL ROAD  
 DRAINAGE AREA = 31.3 SQ MILES  
 SLOPE = 0.004  
 VOLUME IN 100 YEAR EVENT = 7560 CFS

FRANKLIN COUNTY, INDIANA  
 BOARD OF COUNTY COMMISSIONERS  
 FRANKLIN COUNTY HIGHWAY DEPARTMENT  
 CONTRACT PLANS FOR  
 BRIDGE REPAIR PROJECT  
 BRIDGE #81 ST MARYS ROAD

ACCEPTED BY  
 THE BOARD OF FRANKLIN COUNTY COMMISSIONERS

APPROVED \_\_\_\_\_  
 TOM WILSON, PRESIDENT

APPROVED \_\_\_\_\_  
 TOM LINKEL, VICE PRESIDENT

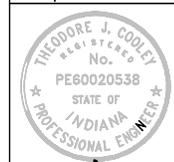
APPROVED \_\_\_\_\_  
 SCOTT McDONOUGH

DATED \_\_\_\_\_

UNDERGROUND UTILITIES

2 WORKING DAYS BEFORE YOU DIG  
 CALL (800) - 382 - 5544 TOLL FREE  
 UNDERGROUND UTILITY PROTECTION SERVICE  
 NON-MEMBER MUST BE CALLED DIRECTLY

FRANKLIN COUNTY  
 HIGHWAY DEPARTMENT  
**TED COOLEY, PE**  
 1010 FRANKLIN AVENUE  
 BROOKVILLE, INDIANA 47012  
 765-647-4985  
 765-647-8926  
 CELL: 812-212-2435  
 tcooley@seldata.com



*Theodore J. Cooley*

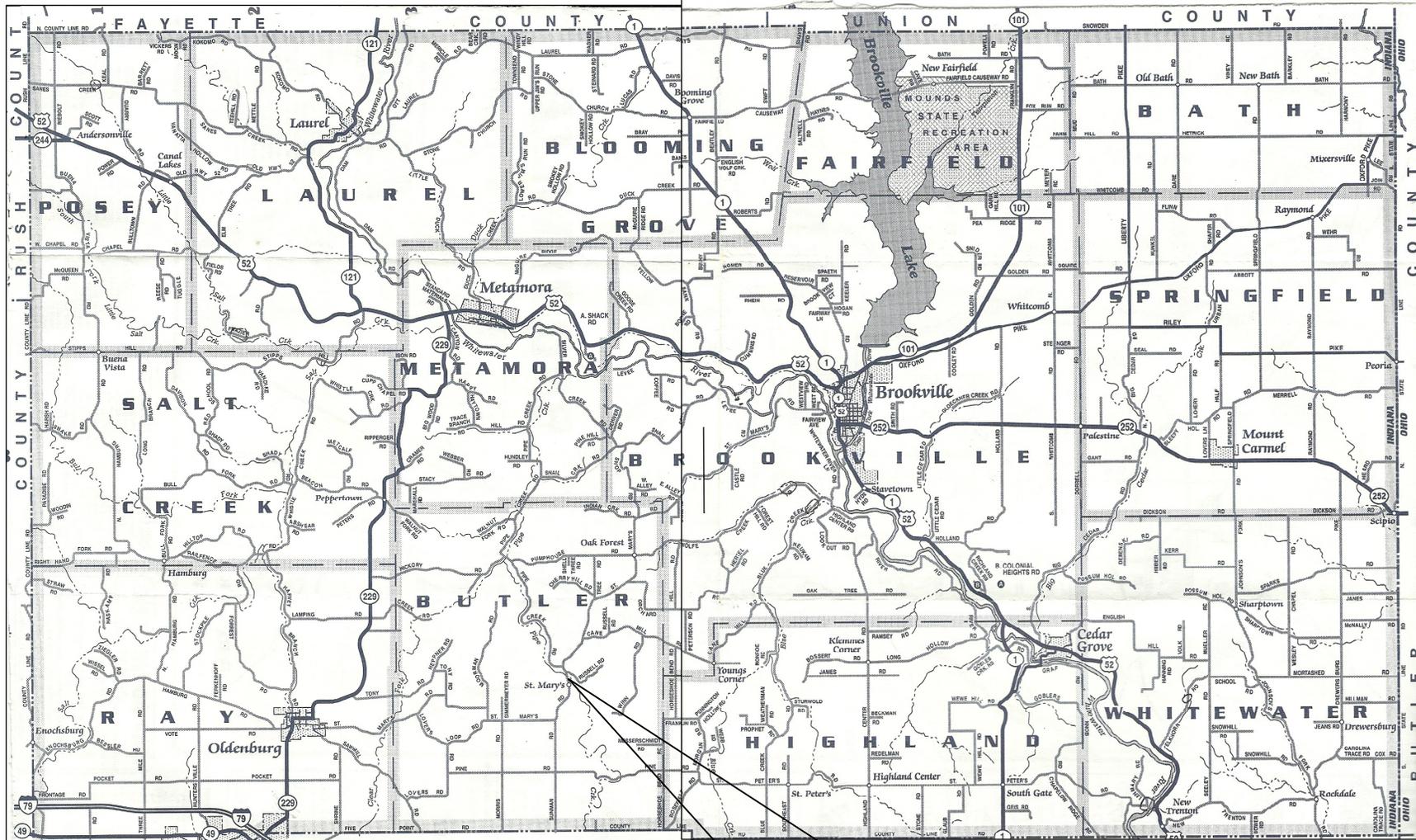
BRIDGE REPAIR PROJECT  
 BRIDGE #81 ST MARYS ROAD  
 located in  
 NORTHWEST 1/4, SECTION 5, T10, R9E  
 BUTLER TOWNSHIP, FRANKLIN COUNTY, INDIANA

DATE	ISSUE
2/15/12	ISSUE

TITLE SHEET

C-1

CAD Name:  
 021513BR81REPAIR



**SITE**

FRONTIER TELEPHONE  
 JOANNE ANTHONY  
 765-983-4506

Southeastern Indiana REMC  
 712 South Buckeye  
 Osgood, IN 47037  
 800-737-4111

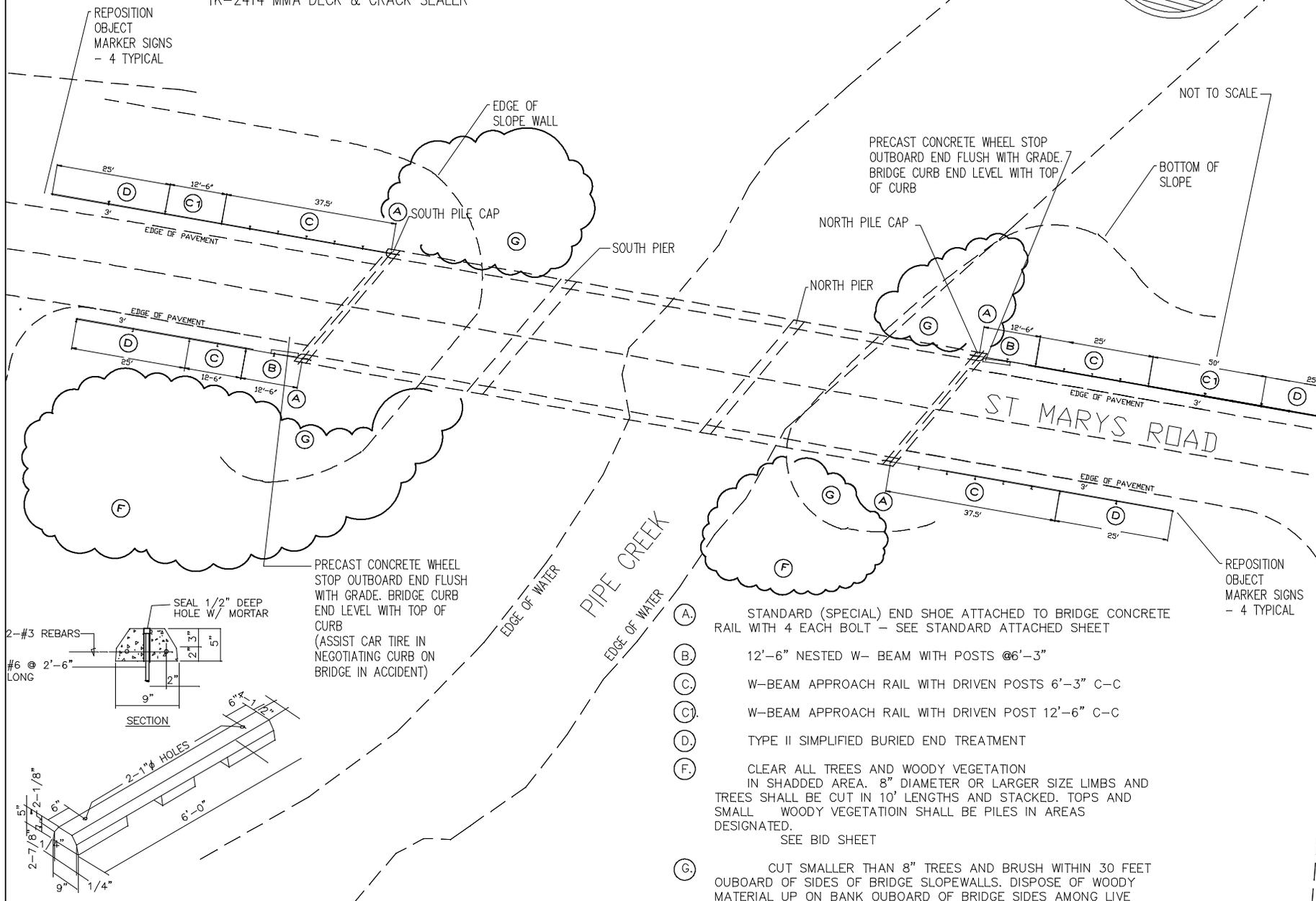
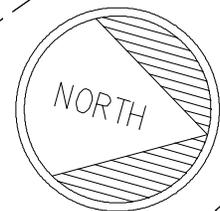
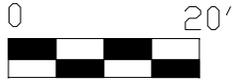


FRANKLIN COUNTY HIGHWAY MAP

FOR BRIDGE DECK SEALING PROCEDURES/SPECIFICATION SEE:

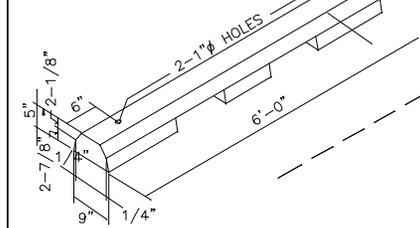
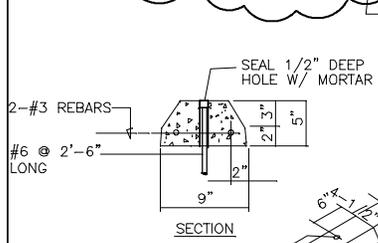
www.dot.ny.gov/divisions/engineering/structures/repository/events-news/presentations-05/deck\_sealers\_lbc2005.pdf  
 www.michigan.gov/documents/mdot/Thin\_Epoxy\_Overlay\_and\_Healer\_Sealer\_Treatments\_on\_Bridge\_Decks\_395120\_7.pdf  
 POSSIBLE BRAND DECK SEALER TO BE USED:

DENEDECK  
 SILICONE SPECIALTIES INCORPORATED (SSI)  
 UREFAST  
 TK-2414 MMA DECK & CRACK SEALER



REPOSITION  
 OBJECT  
 MARKER SIGNS  
 - 4 TYPICAL

NOT TO SCALE



PRECAST CONCRETE WHEEL STOP OUTBOARD END FLUSH WITH GRADE. BRIDGE CURB END LEVEL WITH TOP OF CURB (ASSIST CAR TIRE IN NEGOTIATING CURB ON BRIDGE IN ACCIDENT)

- (A) STANDARD (SPECIAL) END SHOE ATTACHED TO BRIDGE CONCRETE RAIL WITH 4 EACH BOLT - SEE STANDARD ATTACHED SHEET
- (B) 12'-6" NESTED W- BEAM WITH POSTS @6'-3"
- (C) W-BEAM APPROACH RAIL WITH DRIVEN POSTS 6'-3" C-C
- (C) W-BEAM APPROACH RAIL WITH DRIVEN POST 12'-6" C-C
- (D) TYPE II SIMPLIFIED BURIED END TREATMENT
- (F) CLEAR ALL TREES AND WOODY VEGETATION IN SHADED AREA. 8" DIAMETER OR LARGER SIZE LIMBS AND TREES SHALL BE CUT IN 10' LENGTHS AND STACKED. TOPS AND SMALL WOODY VEGETATION SHALL BE PILES IN AREAS DESIGNATED.  
SEE BID SHEET
- (G) CUT SMALLER THAN 8" TREES AND BRUSH WITHIN 30 FEET OUBOARD OF SIDES OF BRIDGE SLOPEWALLS. DISPOSE OF WOODY MATERIAL UP ON BANK OUBOARD OF BRIDGE SIDES AMONG LIVE TREES  
SEE BID SHEET

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 located in  
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PLAN

C-2

CAD Name:  
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**PRECAST CONCRETE WHEEL STOP**  
 - N.T.S. - SUPPLIED BY FCHD

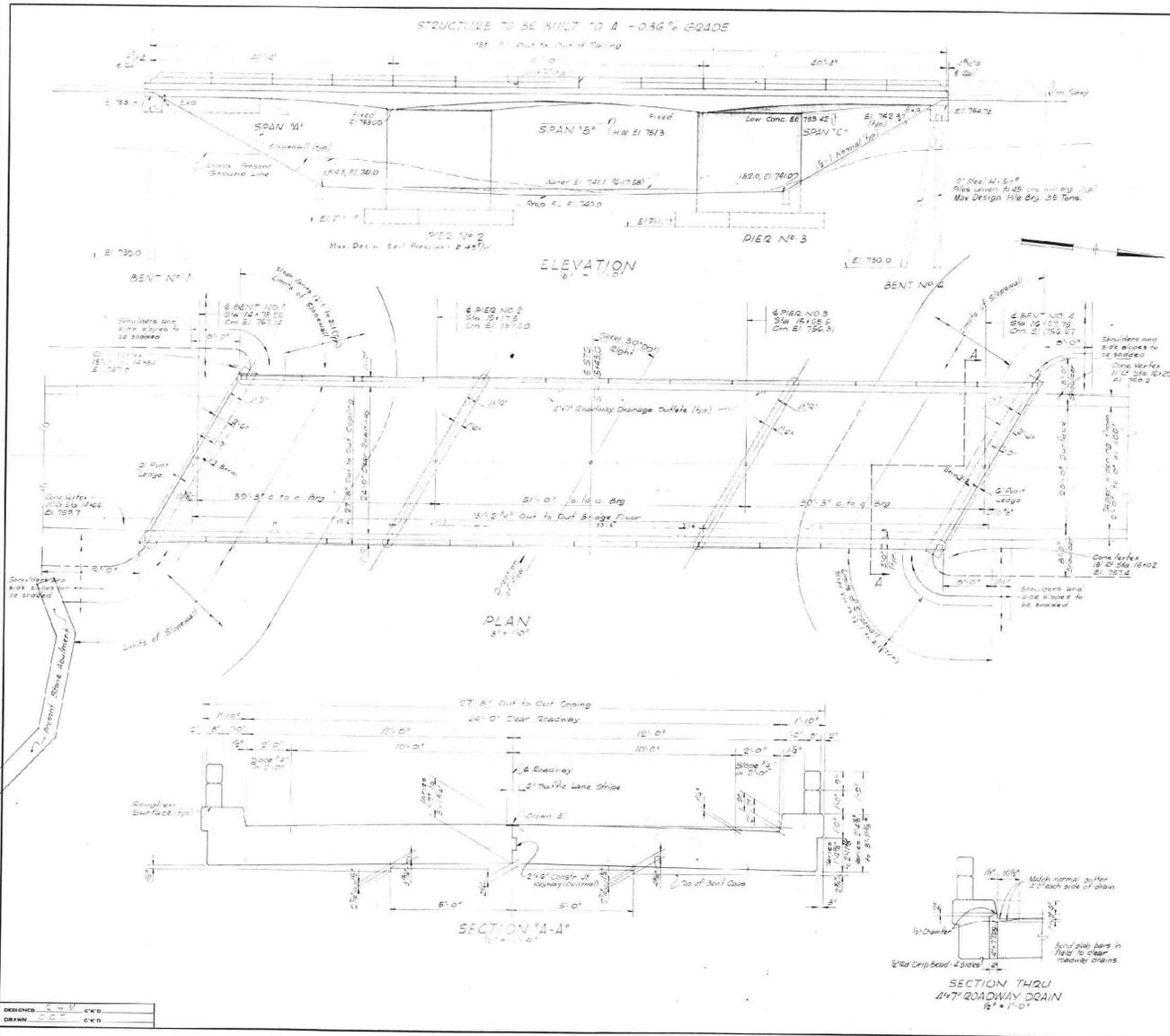


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PROJ. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	IND.	5-576	1980	6	25

**GENERAL NOTES**

Dimensions shall be extended if found necessary. See Art. 6.4.2.2 of the Specifications. The steel reinforcement shall be placed in accordance with the details in the Specifications and applicable articles in the Specifications. The steel shall be driven to elevation shown on plans or below if necessary to obtain desired bearing. Reinforcing steel covering shall be 1/2 inches in floor slab, 3 inches in footings except bottom steel which shall be 4 inches, and 2 inches in all other parts unless noted. Concrete in superstructure, including railing and vent ways, to be Class "A" Concrete in structure not noted above and in abutment to be Class "D". Continuous concrete slabs shall be required between construction joints as shown on detail plans. Slabs 4" under soffit and chamfer all exposed edges 1 inch unless noted. Construct abutment walls in sections as shown on plans in accordance with the following provisions: To ensure proper fit of splice bars maximum 2 inches. All railings to be constructed perpendicular to grade. 2 inch wide tie wire shall be placed along centerline of roadway on bridge floor. 24" Roadway drainage outlets to be placed as shown on this drawing. See the Special Provisions for items included in this Contract.

**JOINT LEGEND**

Joint "A" indicates full depth joint including only concrete in slab and formed expansion material placed under front 6" of bearing area and two layers of medium weight roofing felt under remainder of bearing area and vertical faces of beams. Joint "B" indicates full depth expansion material placed longitudinally on each of the outer 2' portions of the pier bearing area, with concrete to concrete bearing under the remaining portion.

**DESIGN DATA**

Designed for H20-44 loading in accordance with the 1977 A.A.S.H.O. Specifications Modified.  
Unit Stresses:  $f_c = 22,000$  lbs per sq in.  
 $f_s = 200$  lbs per sq in.  
Dead Load increases 5 lbs per sq ft of roadway for future wearing surface. Slab designed for 4" wearing surface.

**TYPICAL CROSS SECTION**

See Sheet No. 2

- STANDARD DRAWINGS**
- Rd 514: C Reinforcing Bar Notes and Details, Spacing Steel II Bars
  - M Private Drives, Pavements, Offsets
  - S2 Slopeless
  - S3 Wearing Grade B Special Boxes
  - Rd 514: M6 Handrails
  - M5 Post No. Approach (Type D)
  - S2 C Street Boxes, Concrete Rail
  - S11:1 Detours, Standard Detour Signs
  - S11:2 Detours, Standard Layout Signs

GENERAL PLAN  
FRANKLIN COUNTY  
PIERCE, GRUBER & BEAM, INC.  
CONSULTING STRUCTURAL ENGINEERS  
INDIANAPOLIS 4, INDIANA  
DATE: DECEMBER 11, 1958  
SCALE: As Noted DRAWING NO. OF 2  
PROJECT: S-576(1)  
BRIDGE CONTRACT NO.: 4610  
BRIDGE FILE: FRANKLIN 9230



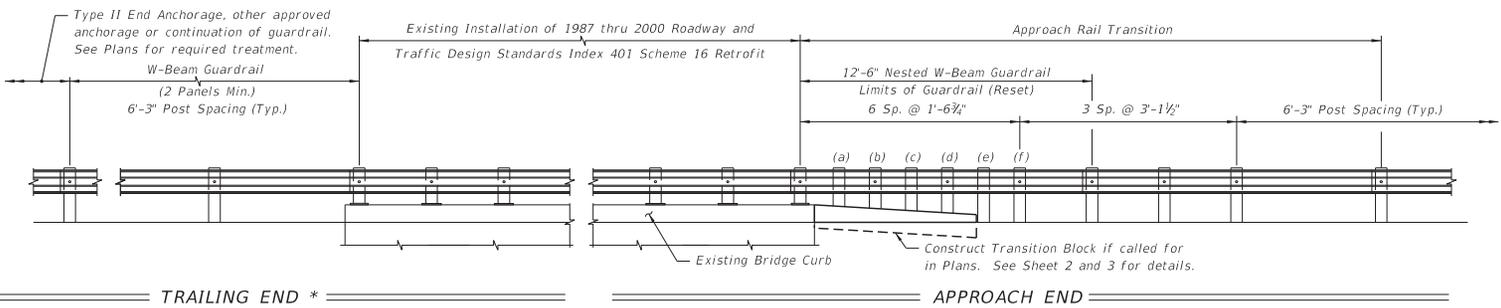
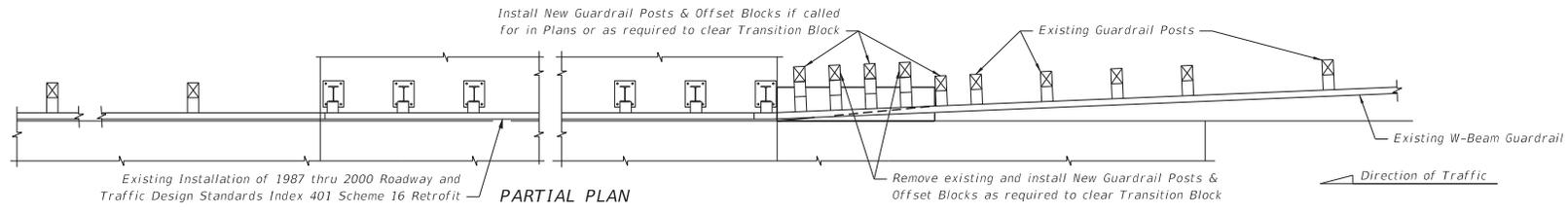
DESIGNED: S.H.V. C.K.D.  
DRAWN: S.C.S. C.K.D.

DATE	ISSUE
2/15/12	ISSUE

EXISTING  
BRIDGE

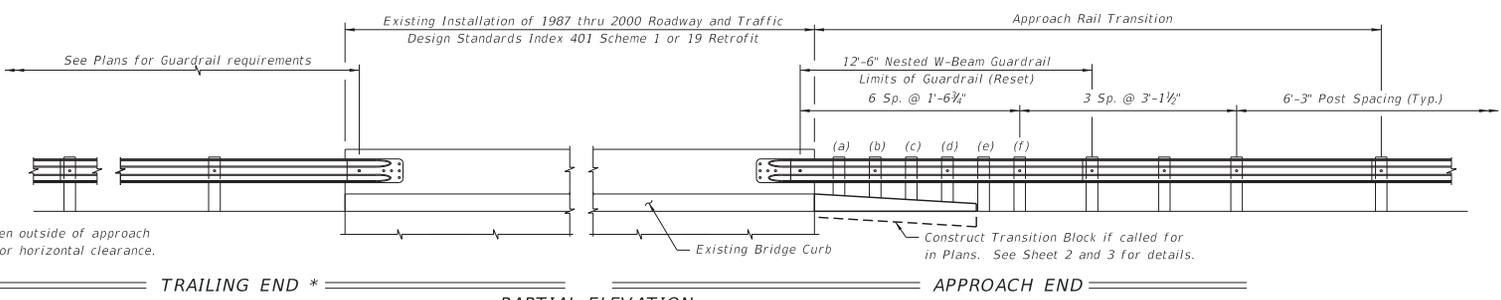
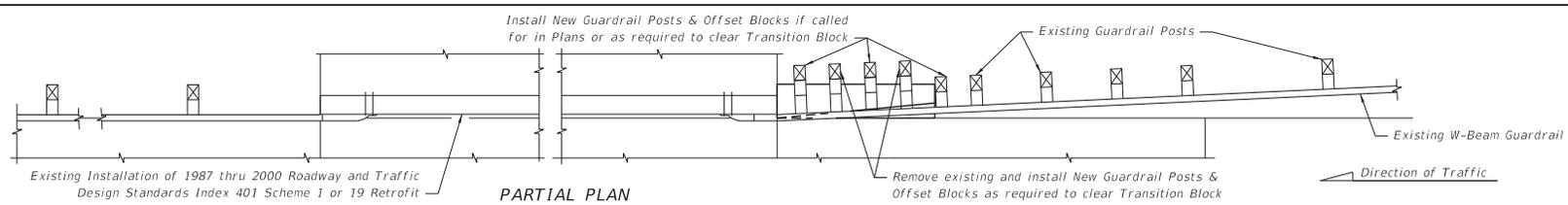
C-4

CAD Name:  
021513BR81REPAIR



Note:  
Do not bolt nested W-Beam to Posts and Offset Blocks at Posts (a), (c) & (e), (Typ.)

PARTIAL ELEVATION  
W-BEAM BRIDGE TRAFFIC RAILING RETROFITS



\* For use when outside of approach clear zone or horizontal clearance.

PARTIAL ELEVATION  
VERTICAL FACE BRIDGE TRAFFIC RAILING RETROFITS

12/30/2011 11:41:50 AM rd0607h C:\p\projects\standards\roadway\00400-000403-01.dgn

LAST REVISION	DESCRIPTION:		<b>FDOT DESIGN STANDARDS</b> FY 2012/2013	<b>GUARDRAIL TRANSITIONS FOR EXISTING BRIDGE TRAFFIC RAILING RETROFITS</b>	INDEX NO.	SHEET NO.
07/01/05					403	1

