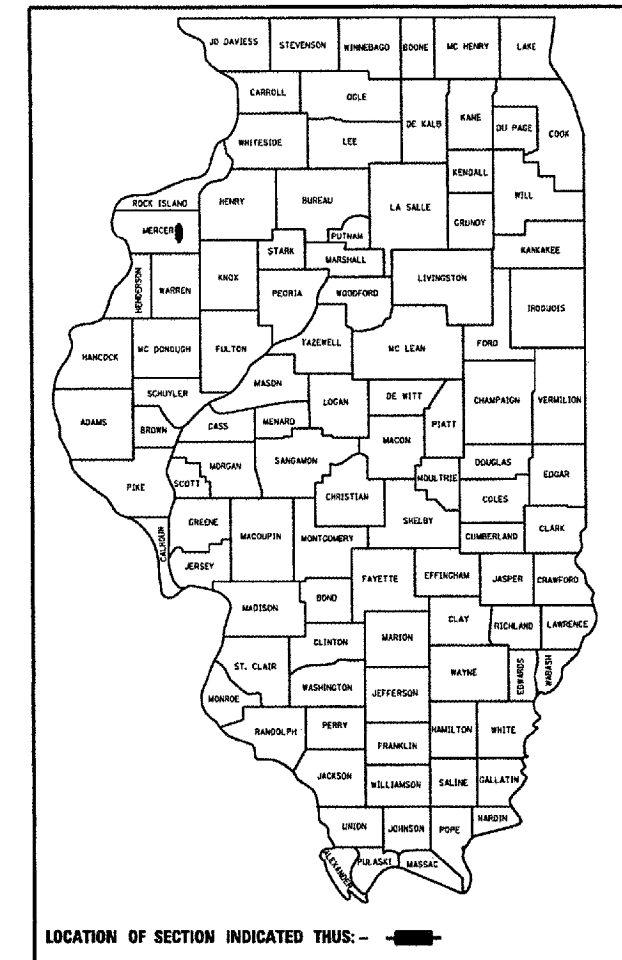


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(102B)I	MERCER	11	1

+1
12

D-94-003-08



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

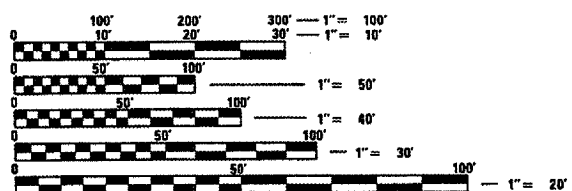
FAP 310 (US 67)
SECTION (102B)I
MERCER COUNTY
C-94-003-08

INDEX OF SHEETS:

- 1. COVER SHEET
- 2. GENERAL NOTES
- 3. SUMMARY OF QUANTITIES
- 4. TYPICAL SECTIONS
- 5. SCHEDULE OF QUANTITIES
- 6-7. PLAT SHEETS
- 8. GENERAL LAYOUT
- 9. TRAFFIC CONTROL
- 10-11. GENERAL PLAN & ELEVATION BEAM DETAILS

STANDARDS:

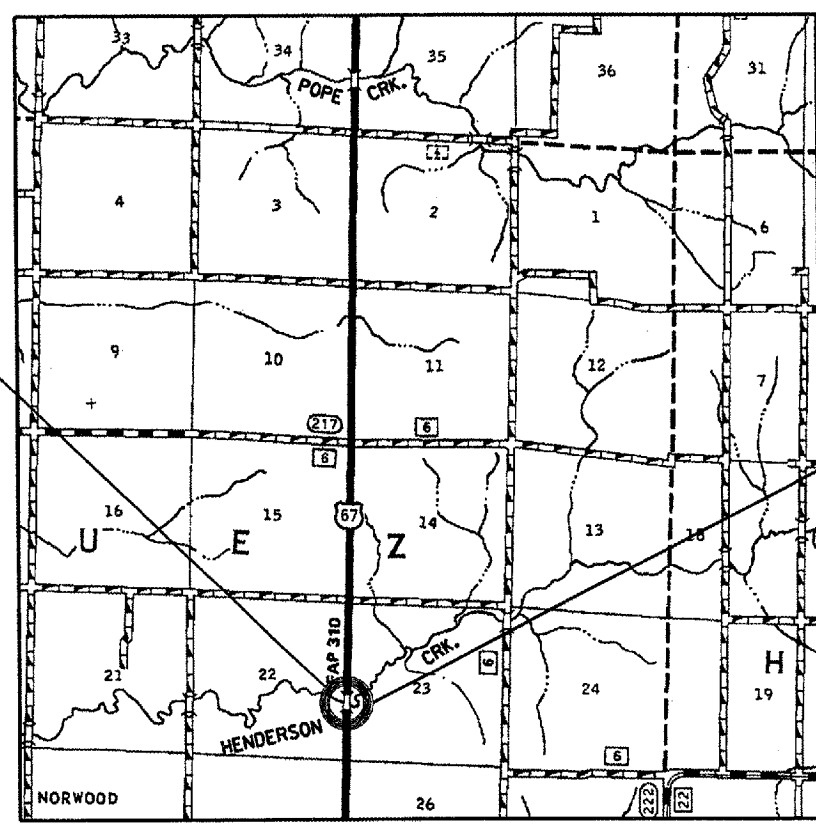
- 701001-01 701901
- 701006-02
- 701201-02



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

SN.066-0004



LOCATION MAP

PROJECT CONSISTS OF BEAM BRACING OF FIVE PPC BEAMS ON STRUCTURE (SN.066-0004) CARRYING US67 OVER HENDERSON CREEK, 6.7 MILES SOUTH OF VIOLA.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *DEC 16 20 09*

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 1, 2008
Eric E. Harn
ENGINEER OF DESIGN AND ENVIRONMENT

February 1, 2008
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

DESIGNER: CLARK JONES
PHONE: (309)671-3452

PROJECT ENGINEER: JIM MILLER
PHONE: (309)671-3451

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(102B)I	MERCER	11	2
STA. 1077+00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

COMMITMENTS

No commitments have been made for this project.

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Construction field requirements for any guardrail work shall be according to Article 633 of the "Standard Specifications for Road and Bridge Construction".

Construction field requirements for any guardrail work shall be according to Article 633 of the "Standard Specifications for Road and Bridge Construction". Guardrail may be removed & re-erected at the Contractor's discretion for materials delivery and equipment access but shall be included in the cost of the contract. Any structure or guardrail damage that occurs as a result of construction activities shall be the responsibility of the Contractor and repaired and/or replaced without additional cost to the Department.

Construction field requirements for Erosion Control Blanket work shall be according to Supplemental Specification for Section 1081.

Onsite storage of metal materials shall be off of the pavement and according to Article 1006.34

Any existing steel retrofit devices temporarily installed onto or under the deck shall remain the property of the State. All said materials shall be removed by the Contractor and delivered to the IDOT Bridge Maintenance yard on Camp St. in E. Peoria. Coordinate w/Mark Eckhoff @ (309)671-4463. Cost to be included with Furnishing & Erecting Structural Steel.

SN.066-0004 US. 67
over N. HENDERSON CRK.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: VERT.
HORIZ.
DATE 07-31-2007

DRAWN BY CEJ
CHECKED BY

PLOT DATE = 08/16/07
 FILE NAME = I:\FILES\GEN\DRG\T\STDR\PLNS\504\014\B-udg\Concr.ecsta\Emergency\PC\Bacon\Repair\68766 SN.066-0004 US.67 over Henderson Crk.dgn
 PLOT SCALE = 1"=50'
 REFERENCE = REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(1028)I	MERCER	11	3
STA. 1077+00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

100% STATE SAFETY - 2A
MERCER

CODE NO.	ITEM	UNIT	RURAL	TOTAL
* 25100630	EROSION CONTROL BLANKET	SQYD	444	444
50200100	STRUCTURE EXCAVATION	CU YD	5	5
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	37,100	37,100
67100100	MOBILIZATION	LSUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1

* Seeding of minor areas shall be included in the cost of Erosion Control Blanket.

SN.066-0004 US. 67
over N. HENDERSON CRK.

REVISIONS	
NAME	DATE
CEJ	06/08/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

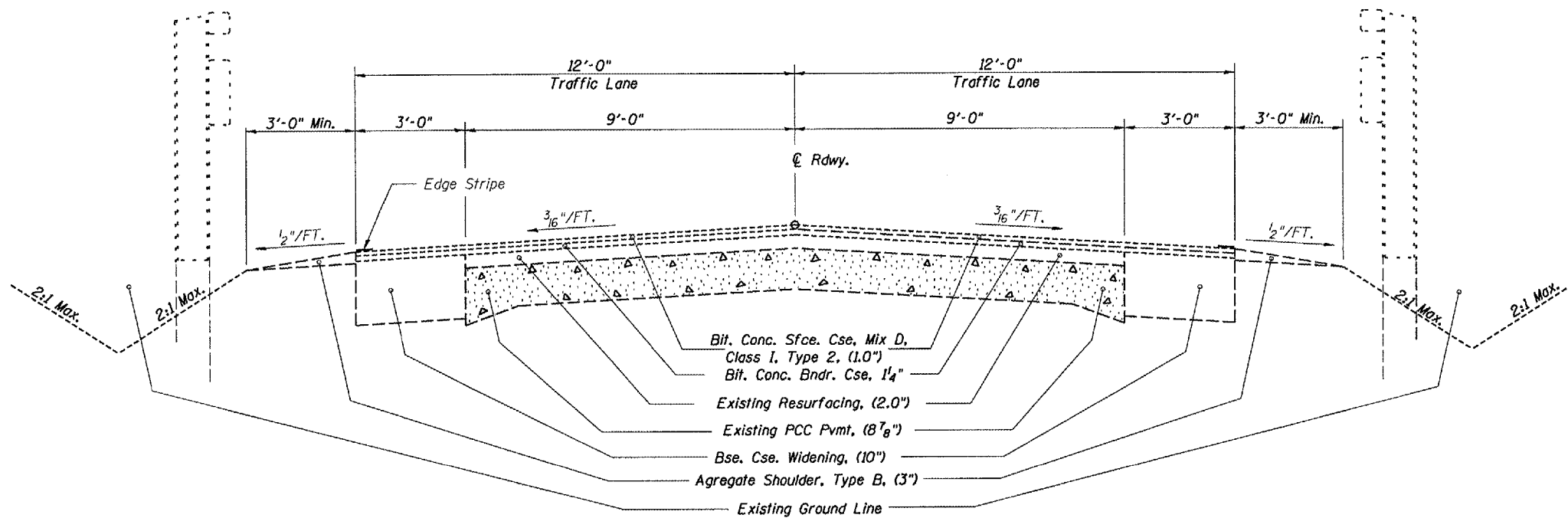
SUMMARY OF QUANTITIES

SCALE VERT. _____
HORIZ. _____
DATE 11-27-2007

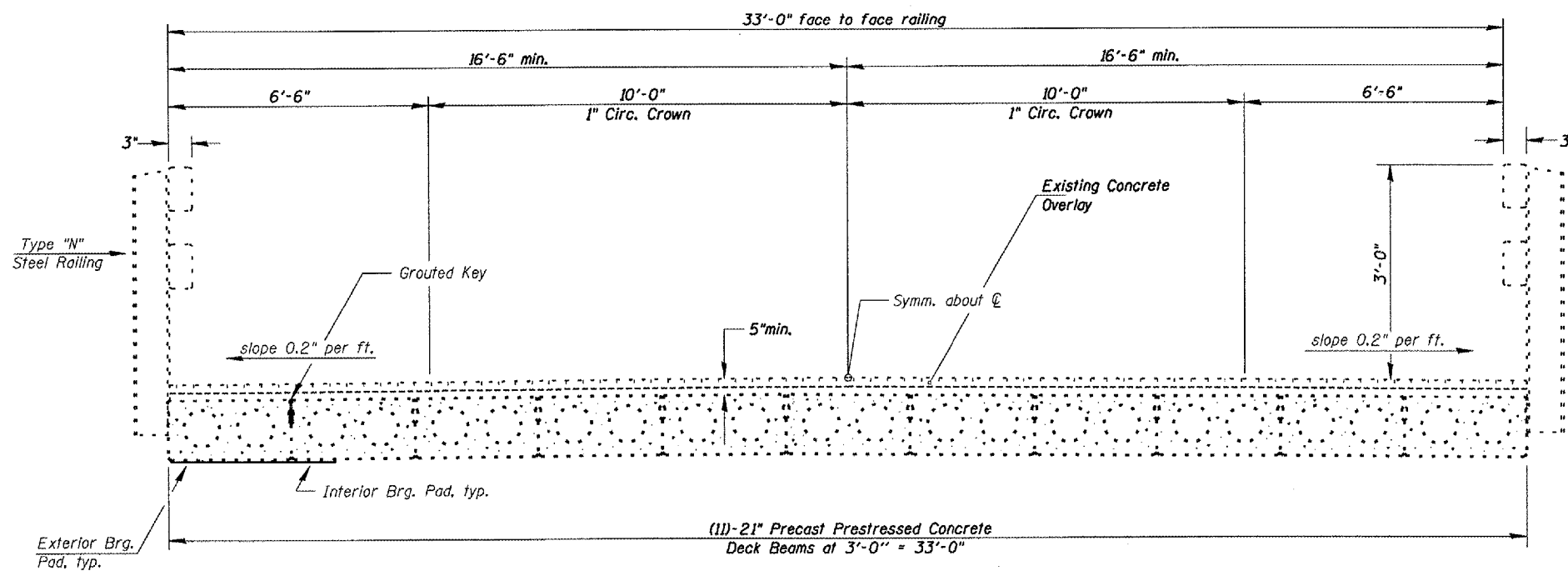
DRAWN BY CEJ
CHECKED BY _____

#DATE: 06-29-07 #FILE: I:\9\1\NEW\DRAWING\108\1\63\SUMMARY\108\1\63\SUMMARY.dgn #SCALE: _____ #REF: _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(102B)	MERCER	11	4
STA. 1077+00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



EXISTING ROADWAY SECTION



EXISTING BRIDGE

CROSS SECTION

(Looking North)

SN.066-0004 US. 67
over HENDERSON CRK.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: VERT.
HORIZ.
DATE 07-31-2007

DRAWN BY CEJ
CHECKED BY

PLOT DATE: 07-31-07
 FILE NAME: S:\GEN\DRAWING\SET\DRP\NS\SOUND\A\B\ridge\contracts\Emergency\PCB\as\reports\68766_SNR65-0004_US67\overHendersonCrk.dgn
 PLOT SCALE: 1/8"=1'-0"
 REFERENCE: 0

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(102B)1	MERCER	11	5
STA. 1077+00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

MOBILIZATION SCHEDULE

LOCATION	UNIT	QUANTITY
Jobsite	LSUM	1.0

T.C.& P STANDARD 701201

LOCATION	UNIT	QUANTITY
Project Limits	LSUM	1.0

FURNISH & ERECT STRUCTURAL STEEL

LOCATION	UNIT	QUANTITY
Under Existing Superstructure	POUND	37,100

EROSION CONTROL BLANKET

LOCATION	UNIT	QUANTITY
Jobsite Embankment & R.O.W.	SQYD	444

SN.066-0004 US. 67
over HENDERSON CRK.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT.
HORIZ.
DATE 11-27-2007

DRAWN BY CEJ
CHECKED BY

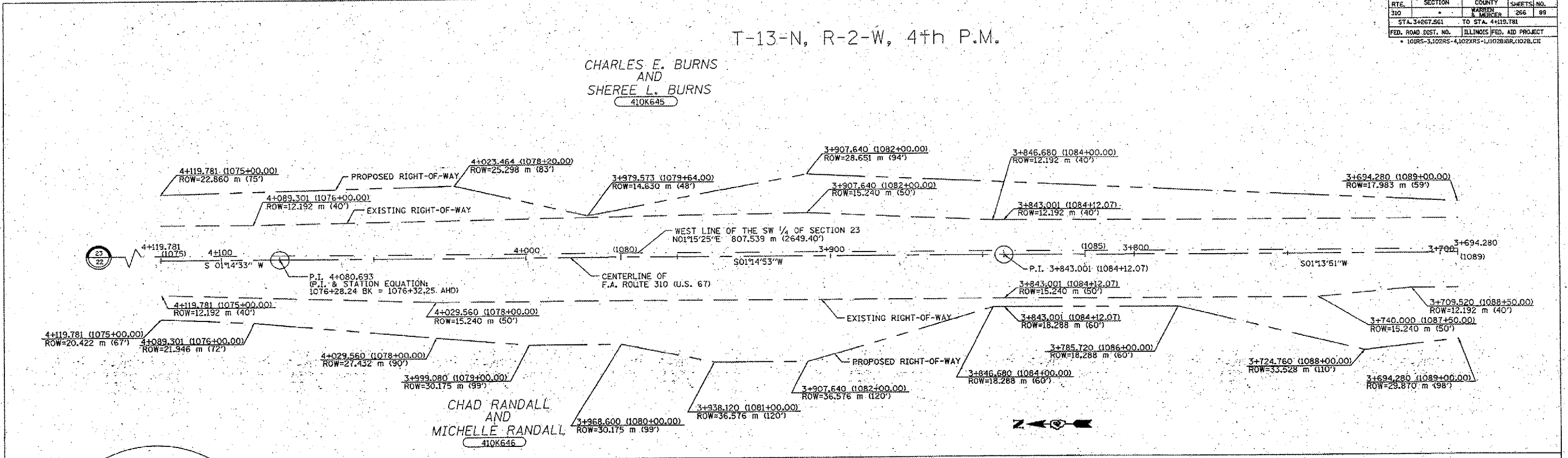
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 REFERENCE : #REF*

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	1102B1	MERCER	11	6

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	1102B1	MERCER	266	89
STA. 3+267.561		TO STA. 4+119.781		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 10RS-3, 10RS-4, 10ZRS-1, 10ZBGR, 10ZB, CII				

T-13-N, R-2-W, 4th P.M.

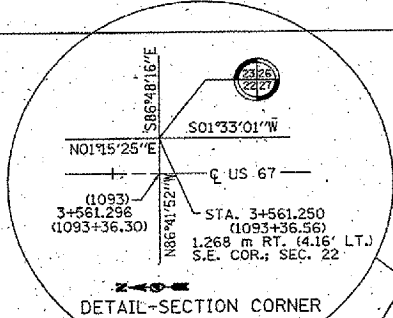
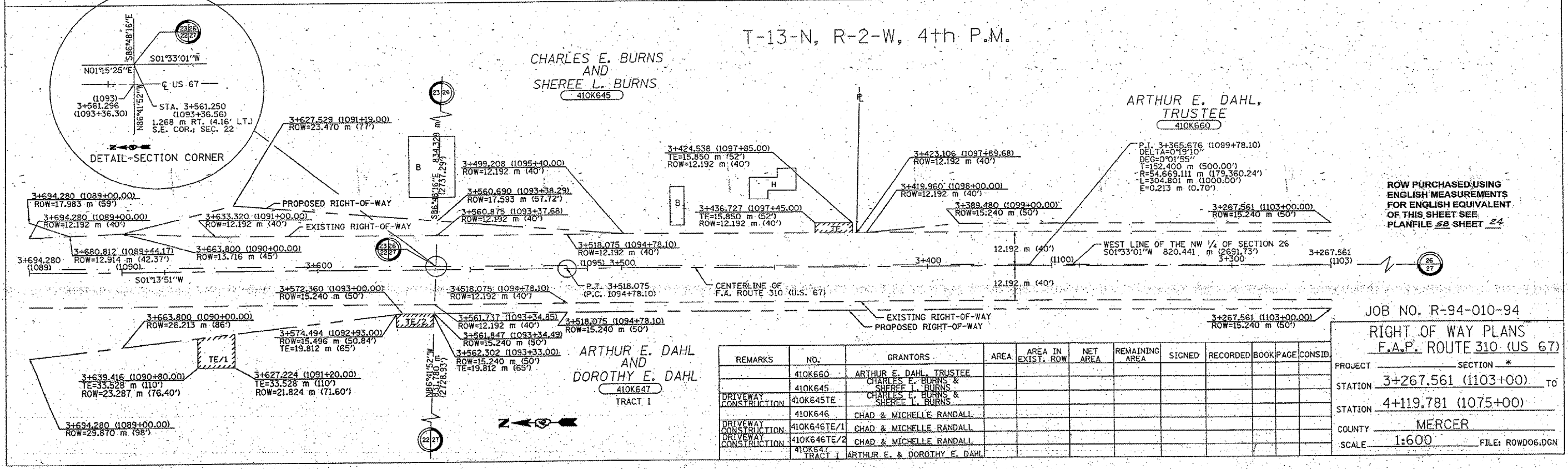
CHARLES E. BURNS AND SHEREE L. BURNS 410K645



T-13-N, R-2-W, 4th P.M.

CHARLES E. BURNS AND SHEREE L. BURNS 410K645

ARTHUR E. DAHL, TRUSTEE 410K660



ROW PURCHASED USING ENGLISH MEASUREMENTS FOR ENGLISH EQUIVALENTS OF THIS SHEET SEE PLANFILE 58 SHEET 24

REMARKS	NO.	GRANTORS	AREA	AREA IN EXIST. ROW	NET AREA	REMAINING AREA	SIGNED	RECORDED	BOOK	PAGE	CONSID.
	410K660	ARTHUR E. DAHL, TRUSTEE									
DRIVEWAY CONSTRUCTION	410K645	CHARLES E. BURNS & SHEREE L. BURNS									
DRIVEWAY CONSTRUCTION	410K645TE	CHARLES E. BURNS & SHEREE L. BURNS									
DRIVEWAY CONSTRUCTION	410K646	CHAD & MICHELLE RANDALL									
DRIVEWAY CONSTRUCTION	410K646TE/1	CHAD & MICHELLE RANDALL									
DRIVEWAY CONSTRUCTION	410K646TE/2	CHAD & MICHELLE RANDALL									
	410K647	ARTHUR E. & DOROTHY E. DAHL									

JOB NO. R-94-010-94
 RIGHT OF WAY PLANS
 F.A.P. ROUTE 310 (US 67)

PROJECT _____ SECTION * _____
 STATION 3+267.561 (1103+00) TO _____
 STATION 4+119.781 (1075+00) _____
 COUNTY MERCER
 SCALE 1:600 FILE: ROWD06.DGN

APPROVED BY _____ DATE _____ DISTRICT ENGINEER

DRAWN BY _____ WRITTEN BY _____ CHECKED BY _____ INSPECTED BY _____

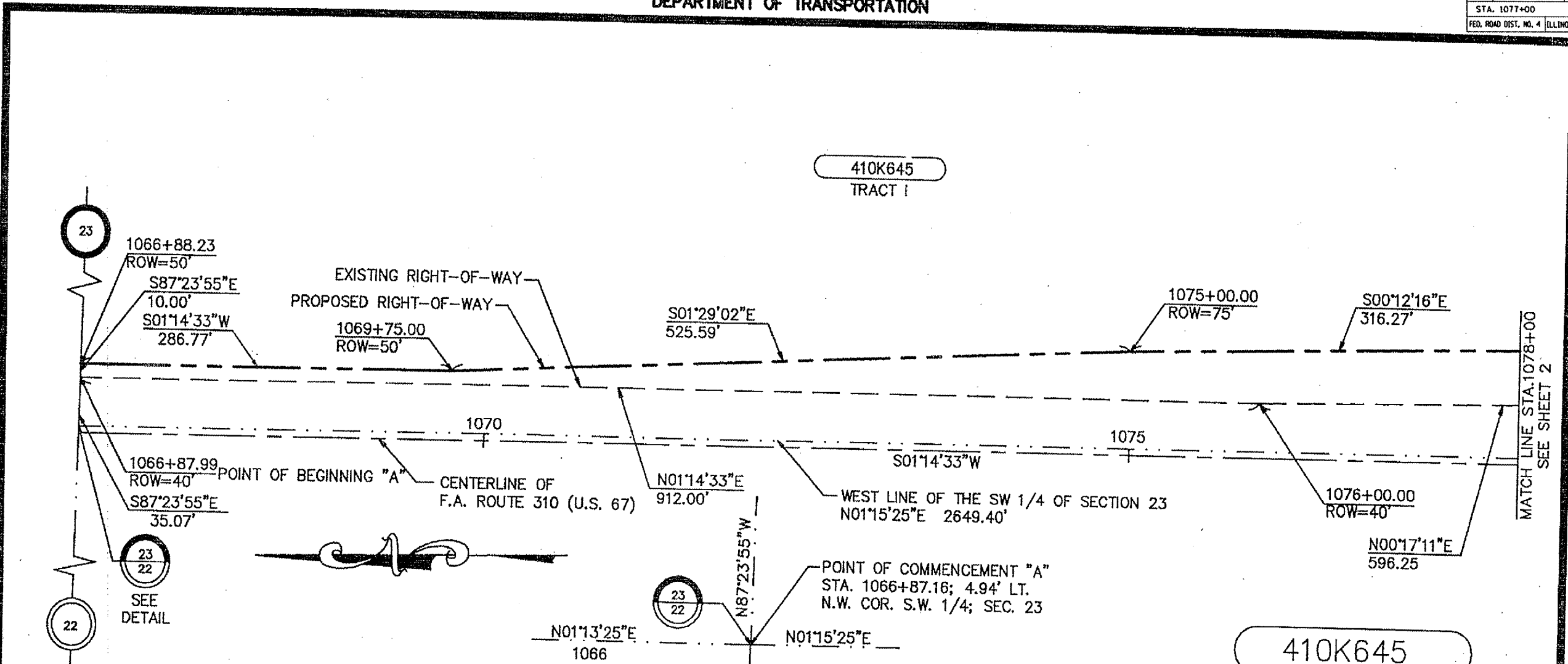
PLOT DATE: 04/26/99 BY: JPL FILE NAME: R:\PROJECTS\ROUTE310\ROWD06.DGN PLOT SCALE: 1:600 REFERENCE: SHEET 24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(102B)	MERCER	11	74
STA. 1077+00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

410K645
TRACT 1

BY	DATE
COMPUTED	
CHECKED	
INKED	DRB 1/11/94
INK CHECKED	
R.O.W. PLAT	NO.
NOTE BOOK	



23
22
SEE DETAIL

DETAIL-SECTION CORNER

410K645
TRACT 1 SHEET 1

CHARLES E. BURNS
SHEREE L. BURNS
 AREA = 70,040 S.F., ± OR 1.608 AC., ±
 OF WHICH 0 S.F., ± OR 0 ACRES, ± ARE IN
 EXISTING PUBLIC ROAD RIGHT OF WAY

SECTION 23 TOWNSHIP 13 N RANGE 2W 4th PRINCIPAL MERIDIAN
Mercer COUNTY

RIGHT OF WAY PLAT

F.A. ROUTE 310 (US 67) CONSTRUCTION SECTION

SCALE: 1" = 100' September 19 94 JOB NO. R-94-010-94



THIS IS TO CERTIFY THAT THIS IS A TRUE
 AND CORRECT PLAT OF A SURVEY MADE
 UNDER MY DIRECTION FOR THE DIVISION
 OF HIGHWAYS, STATE OF ILLINOIS.

Robert G. Meyer
 ROBERT G. MEYER, ILLINOIS REGISTERED LAND SURVEYOR
 MY REGISTRATION EXPIRES NOVEMBER 30, 1994
 DATE 11-11-94

* 101RS-3, 102RS-4, 102XRS-1, (102B)BR, (102B,C)

Signed _____ Recorded _____ BOOK DOCUMENT NO. _____ PAGE _____
 410K645
 TRACT 1 SHEET 1

PLOT DATE * DATE: 08-29-97
FILE NAME * FILE: S:\AVENUE\DRIFT\STDP\PLANS\SD\101A\101A.dwg
PLOT SCALE * SCALE: 1"=100'
REFERENCE * REF: 11-11-94

Description: T13N R2W 4th PM
 Benchmark Chisled Square,
 N.W. WINGWALL - ELEV. 100.00

T13N; R2W; SEC; 4th PM

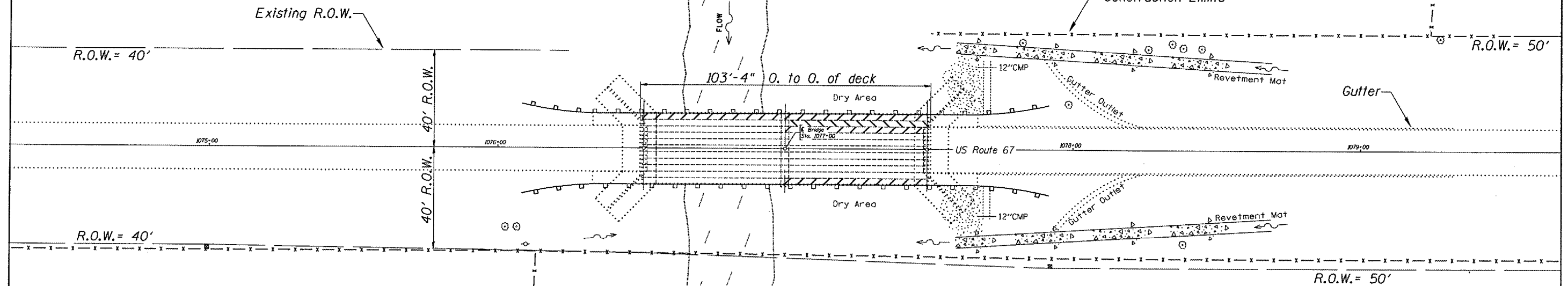
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	102BII	MERCER	11	8
STA. 1077+00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



Emma Olson

SECTION 23

Construction Limits



PLAN

SECTION 22

Beam Bracing

Irvin A. Stephenson

SN.066-0004 US. 67
 over N. HENDERSON CRK.

NOTES

When it is necessary for the Contractor to place and store materials and equipment on State owned R.O.W. the appearance and condition of the affected sod area shall be left as it was found and according to the discretion of the Engineer. All necessary work and Seeding Minor Areas shall be included in cost of Erosion Control Blanket.
 See section 107 of the Standard Specifications for requirements concerning Contractor access and protection & preservation of the natural area and waterway at and around the project.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

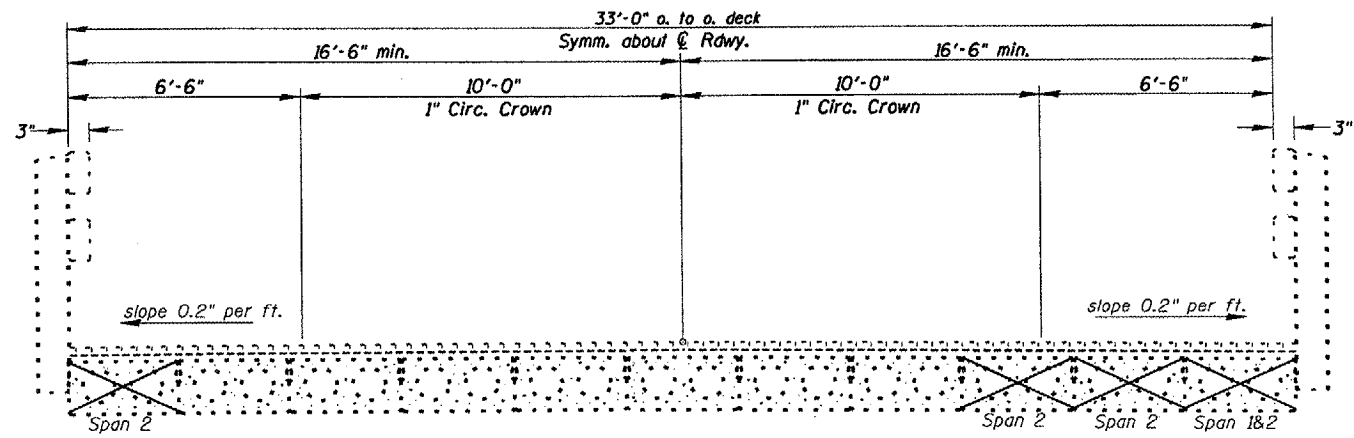
GENERAL LAYOUT

SCALE: VERT.
 HORIZ.
 DATE 08-01-2007

DRAWN BY CEJ
 CHECKED BY

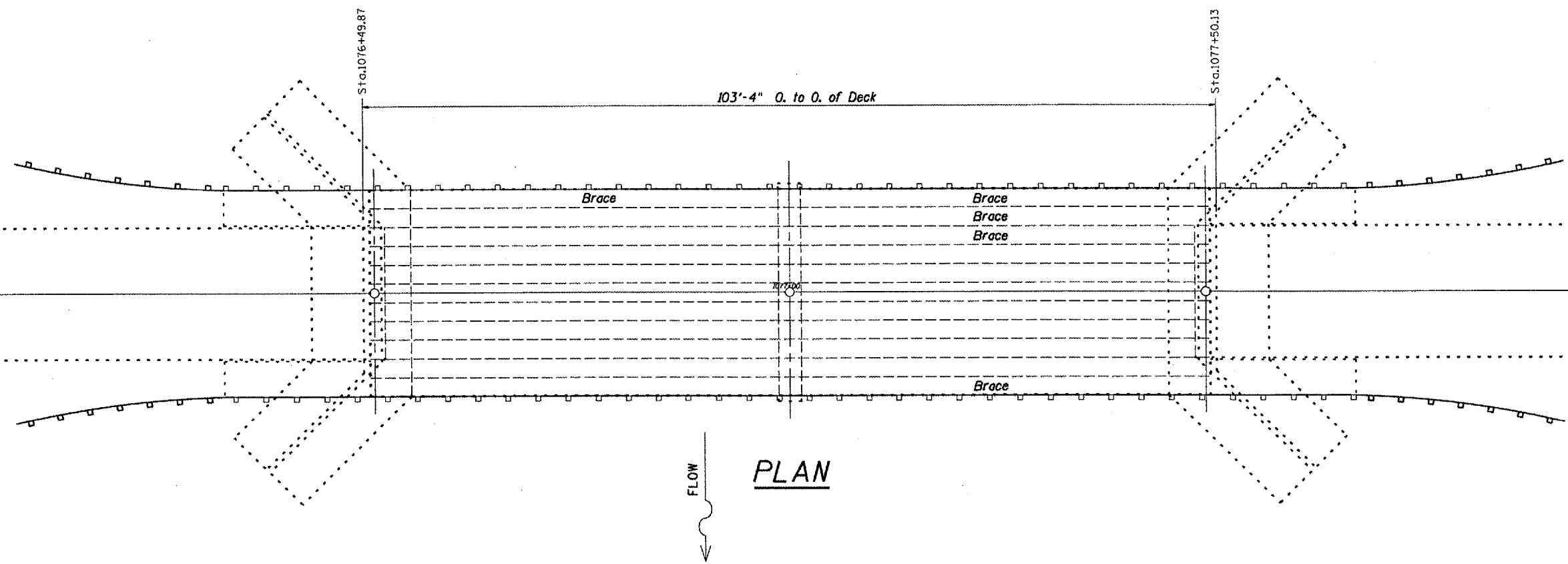
DATE 08-01-07
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 SHEET 8 OF 11
 10/27/07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	(102B)I	MERCER	11	9
STA. 1077+00				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



Beam to be Braced

BRIDGE CROSS SECTION
(Looking North)



PLAN

SN.066-0004 US. 67
over HENDERSON CRK.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL

SCALE: VERT. _____
HORIZ. _____
DATE 08-01-2007

DRAWN BY CEJ
CHECKED BY _____

NOTES
Refer to Highway Standard 701201 in conjunction with this sheet for exact placement of traffic management devices and other clarifications as construction is proposed with temporary use of this standard for materials delivery and unloading.

I:\PROJECTS\066-0004\066-0004-0001\066-0004-0001-0001.dwg
 DATE: 08-01-07
 FILE: I:\PROJECTS\066-0004\066-0004-0001\066-0004-0001-0001.dwg
 USER: jh
 SHEET: 9

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1 3 SHEETS
FAP 310		Mercer	11	10	
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT	Contract # 68766		

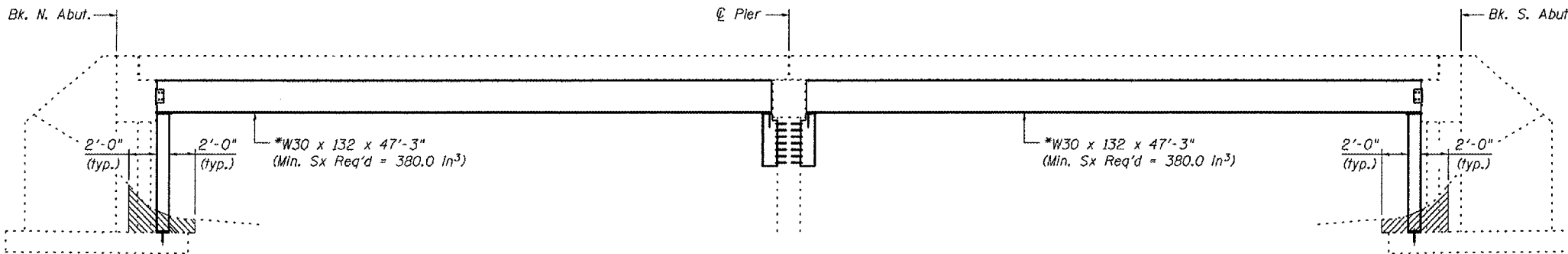
*Contractor is to verify beam length prior to ordering material. Other sections meeting the section modulus requirements shown may be allowed subject to approval by the Bureau of Bridges and Structures.

*** Transverse tie R's (3 per span). Place additional shims at midpoints between tie R's. Securely weld shims to top flange of support beam. Minimum shim size is 6" x flange width. Spacing may be adjusted to miss adjacent transverse tie R's.

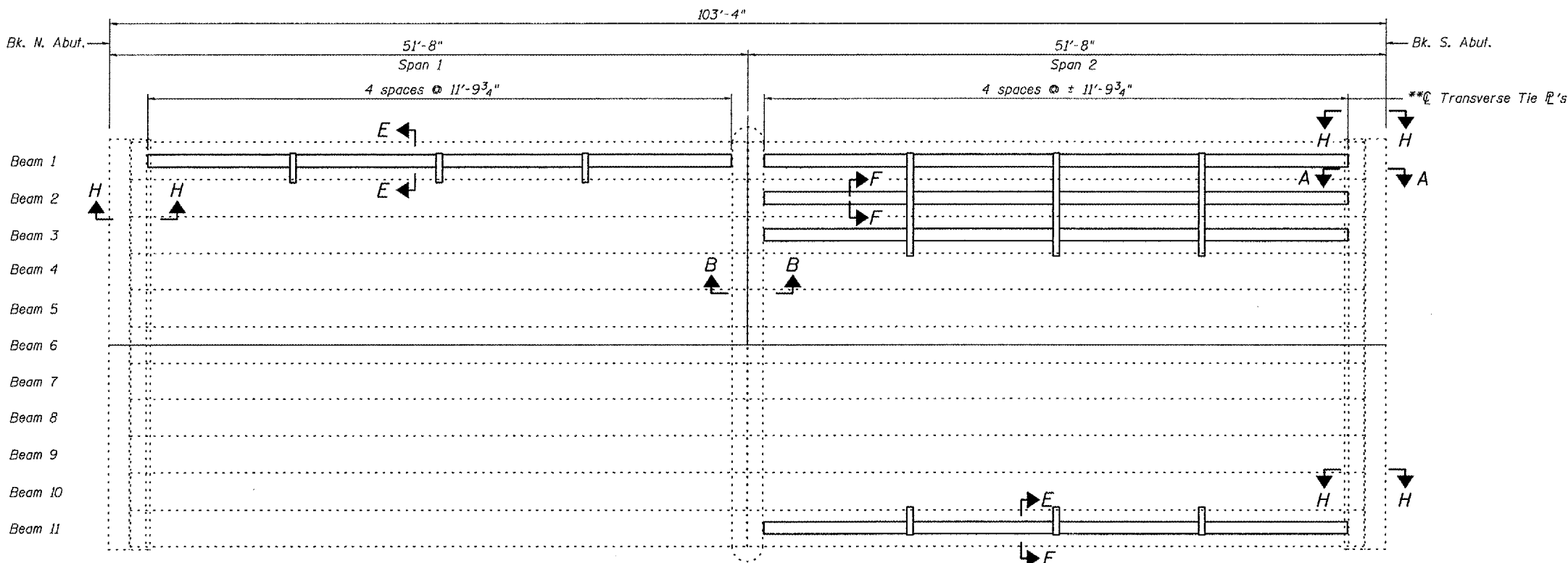
Limits of Structure Excavation

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 35, unless otherwise noted.
Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
See Section 584 of the Standard Specifications for Epoxy Grouting of Threaded Rods: Min. embedment 9".
The cost of epoxy grouting threaded rods shall be included with Furnishing and Erecting Structural Steel.
The contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures.
If the contractor's procedure for placement of beams involves placement of cranes or other heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the existing beams. To distribute load to multiple beams and protect the existing surface, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams.
Any dewatering required for the installation of the support columns shall be included in the unit cost for Structure Excavation.
Contractor has the option of using used steel. See Special Provision.



ELEVATION



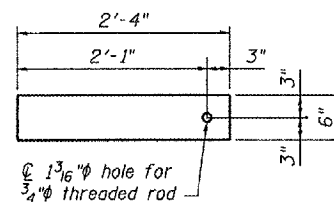
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Furnishing and Erecting Structural Steel	Pound	37,100
Structure Excavation	Cu. Yd.	5

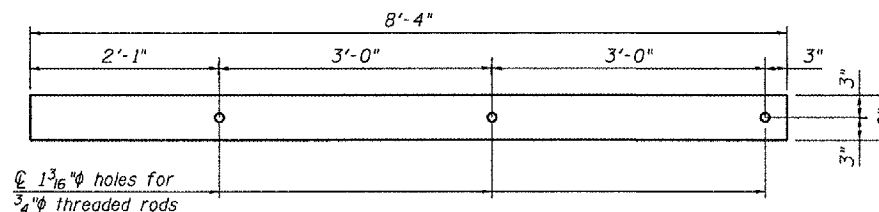


GENERAL PLAN AND ELEVATION
REPAIR DETAILS
US 67 OVER HENDERSON CREEK
MERCER COUNTY
S.N. 066-0004

PLAN



TRANSVERSE TIE R "A"
1/2" x 2'-4" x 6" (3 Req'd.)



TRANSVERSE TIE R "B"
1/2" x 8'-4" x 6" (3 Req'd.)

DESIGNED	CMY
CHECKED	SDS
DRAWN	DLH
CHECKED	CMY



Operator: cvollmer

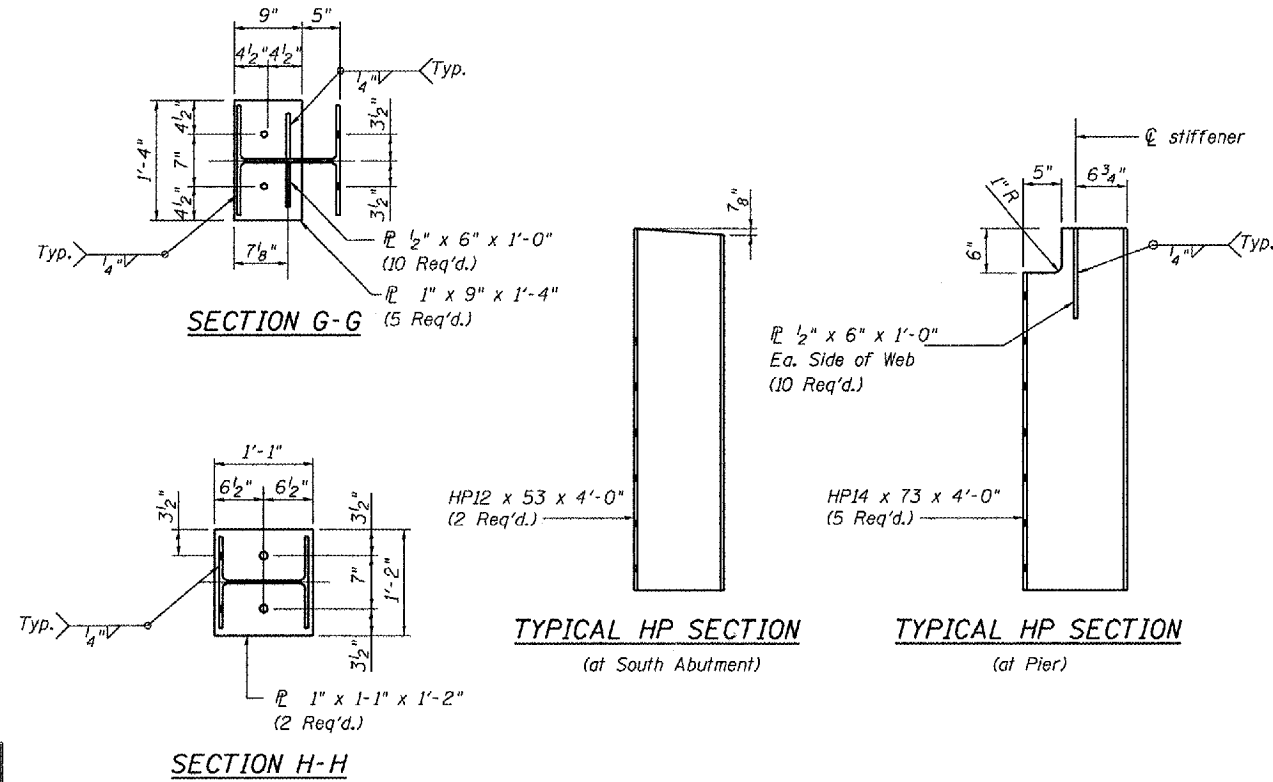
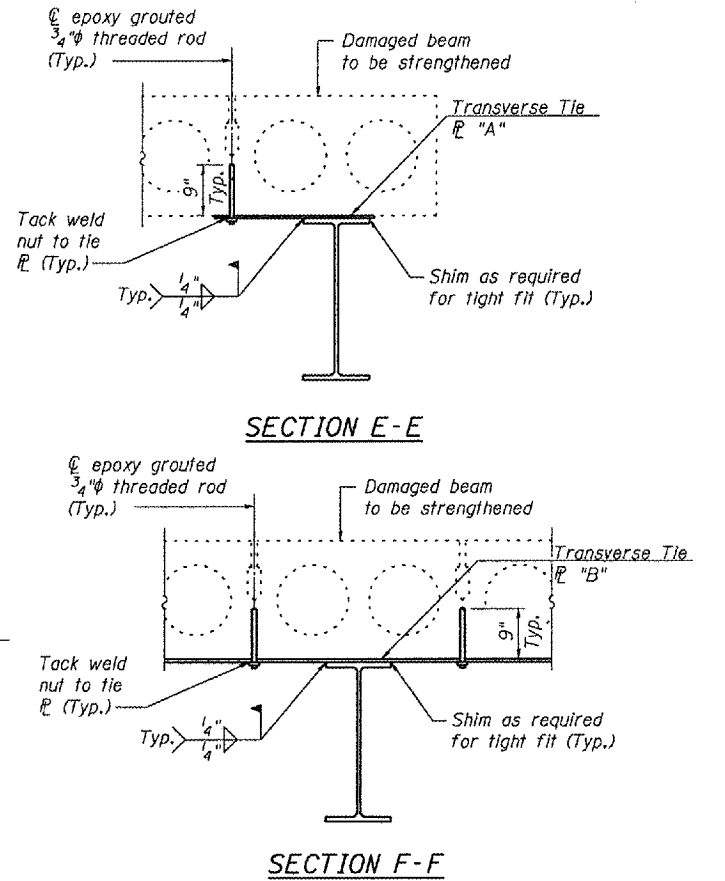
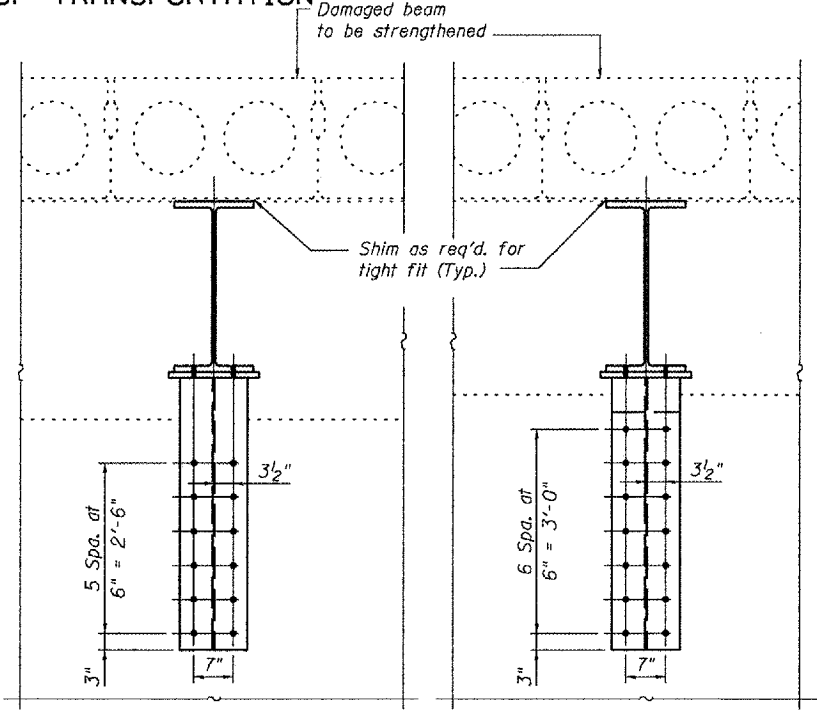
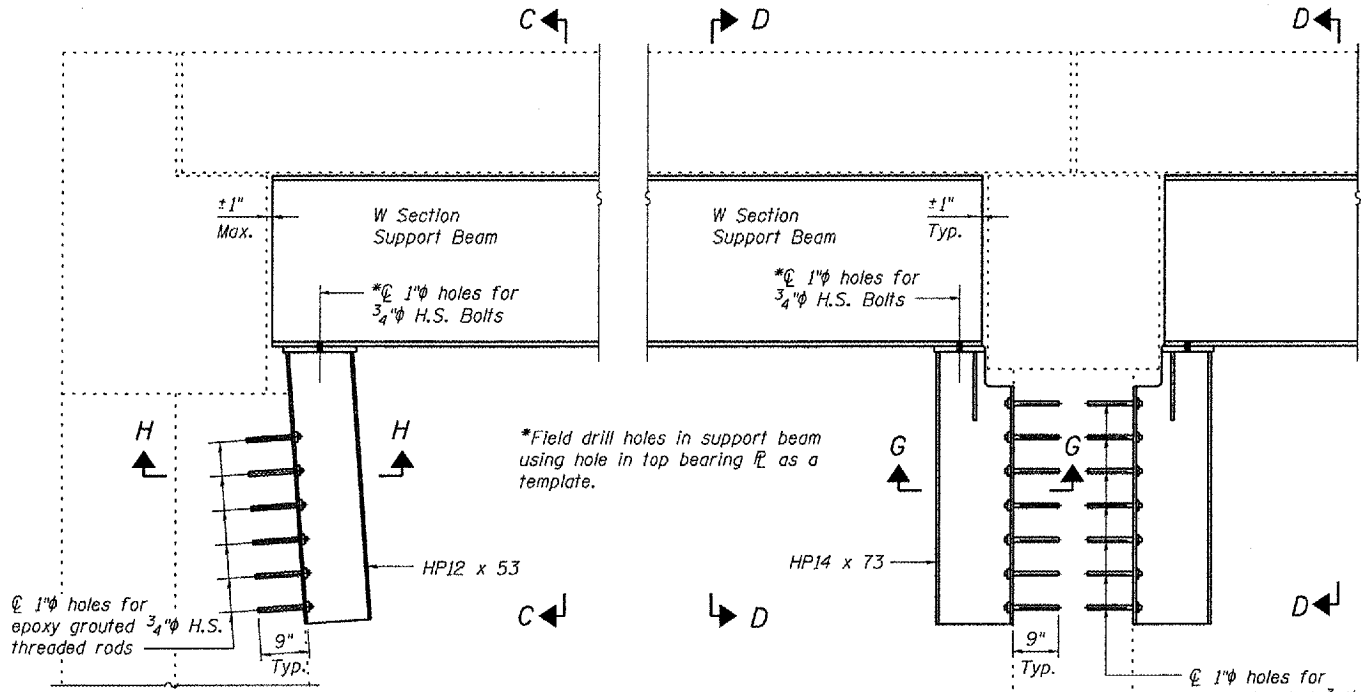
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	POST	SHEET NO. 2 3 SHEETS
FAP 310		Mercer	11	11	
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT-			

Contract # 68466



DESIGNED	CMV
CHECKED	SDS
DRAWN	DLH
CHECKED	CMV

WHKS & CO.

ENGINEERS PLANNERS LAND SURVEYORS

MASON CITY, IOWA DUBUQUE, IOWA AMES, IOWA
E. DUBUQUE, ILLINOIS SPRINGFIELD, ILLINOIS ROCHESTER, MINNESOTA

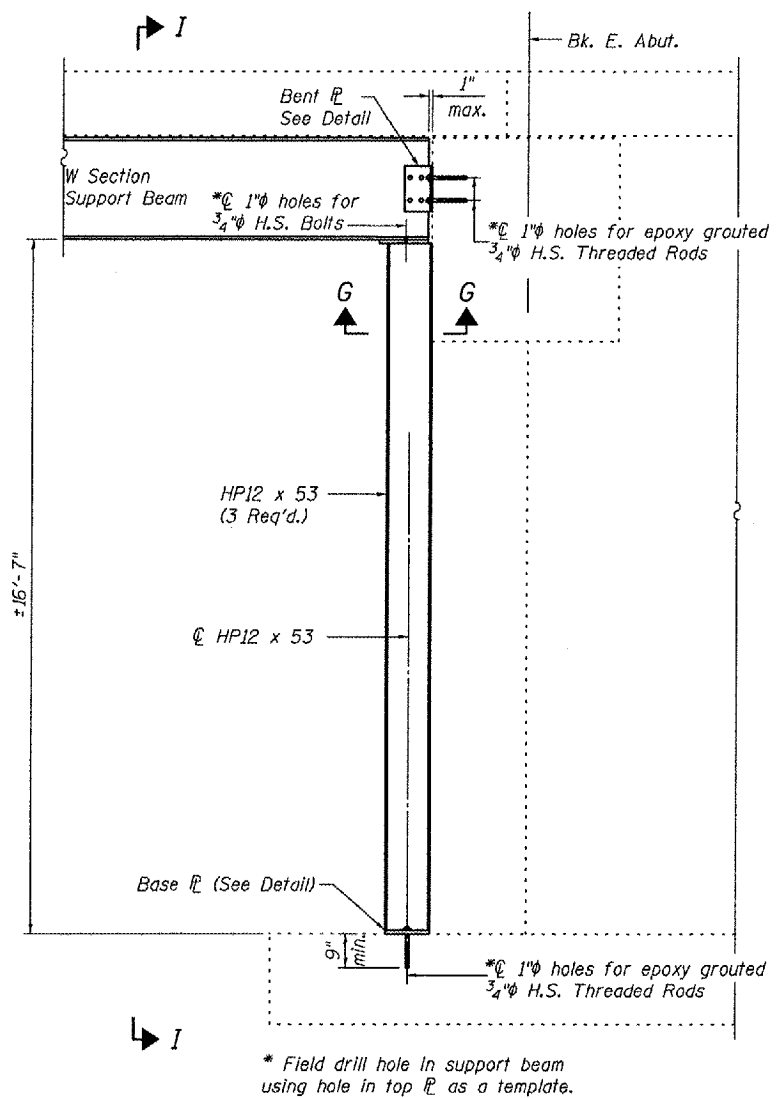
REPAIR DETAILS
US 67 OVER HENDERSON CREEK
MERCER COUNTY
S.N. 066-0004

Operator: cvollmer Date: 1/3/2008 Filename: L:\Jobs\IDOT BBS\6727 BBS Various Various\6727.09\CADD_Structs\N. 066-0004\N. 066-0004_rev1.dgn

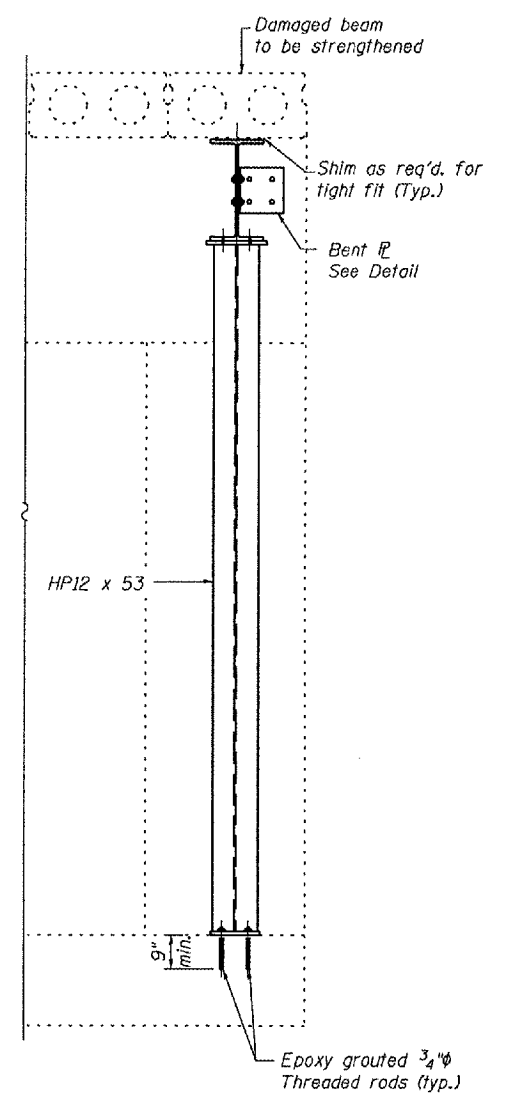
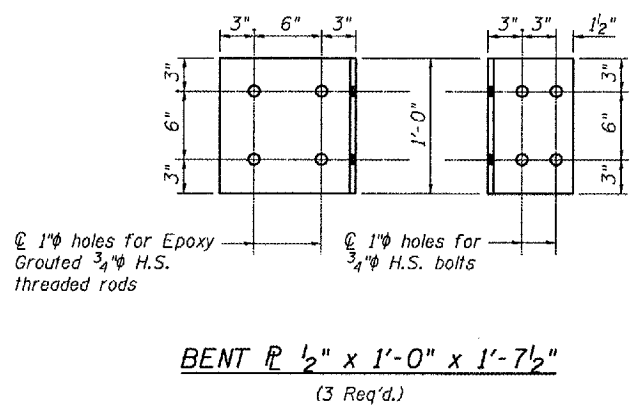
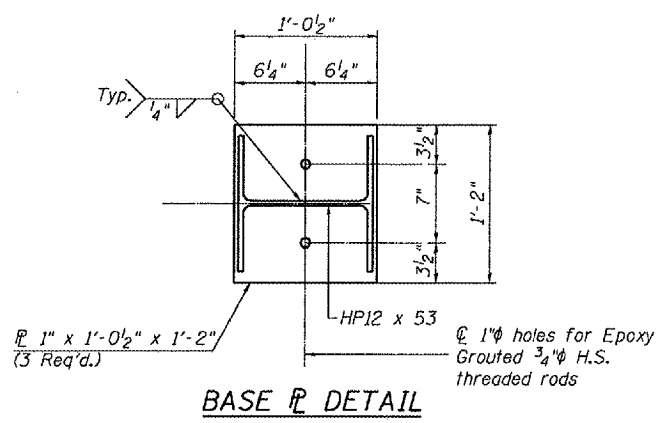
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. 3
FAP 310	-	Mercer	11	11A	3 SHEETS
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT	Contract # 68766		

Operator: cvollmer Date: 1/3/2008 Filename: L:\Jobs\DOT BBS\6727 BBS Various Various\6727.09\CADD_Structs\N. 066-0004\N. 066-0004_rev1.dgn



* Field drill hole in support beam using hole in top PL as a template.
SECTION H-H
(Fascia Beams Only, Both Abutments)



SECTION I-I

DESIGNED	CMV
CHECKED	SDS
DRAWN	DLH
CHECKED	CMV

WHKS & CO.
ENGINEERS ARCHITECTS PLANNERS LAND SURVEYORS
MASON CITY, IOWA DUBUQUE, IOWA AMES, IOWA
E. DUBUQUE, ILLINOIS SPRINGFIELD, ILLINOIS ROCHESTER, MINNESOTA

REPAIR DETAILS
US 67 OVER HENDERSON CREEK
MERCER COUNTY
S.N. 066-0004