

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**FOX RIVER TRAIL  
ISLAND PARK TO ILLINOIS ROUTE 38 (STATE STREET)  
PEDESTRIAN BRIDGE RECONSTRUCTION  
SECTION NO. 06-P4005-00-BR  
PROJECT NO. TE-00D1(848)  
GENEVA PARK DISTRICT  
KANE COUNTY  
C-91-364-11**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42-41	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 63643		

43

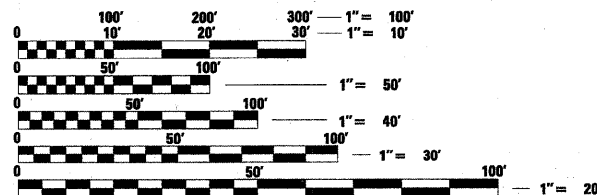
**INDEX OF SHEETS**

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- 3 SUMMARY OF QUANTITIES
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- 8 PEDESTRIAN TRAFFIC PLAN
- 9 EROSION CONTROL PLAN
- 10-40 STRUCTURE PLANS
- 41-42 CROSS SECTIONS

**LIST OF HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-06 TEMPORARY EROSION CONTROL SYSTEMS
- 420401-08 BRIDGE APPROACH PAVEMENT CONNECTOR
- 701901-02 TRAFFIC CONTROL DEVICES

**FUNCTIONAL CLASSIFICATION  
PEDESTRIAN / BIKE TRAIL  
2012 ADT = 2,670**



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.

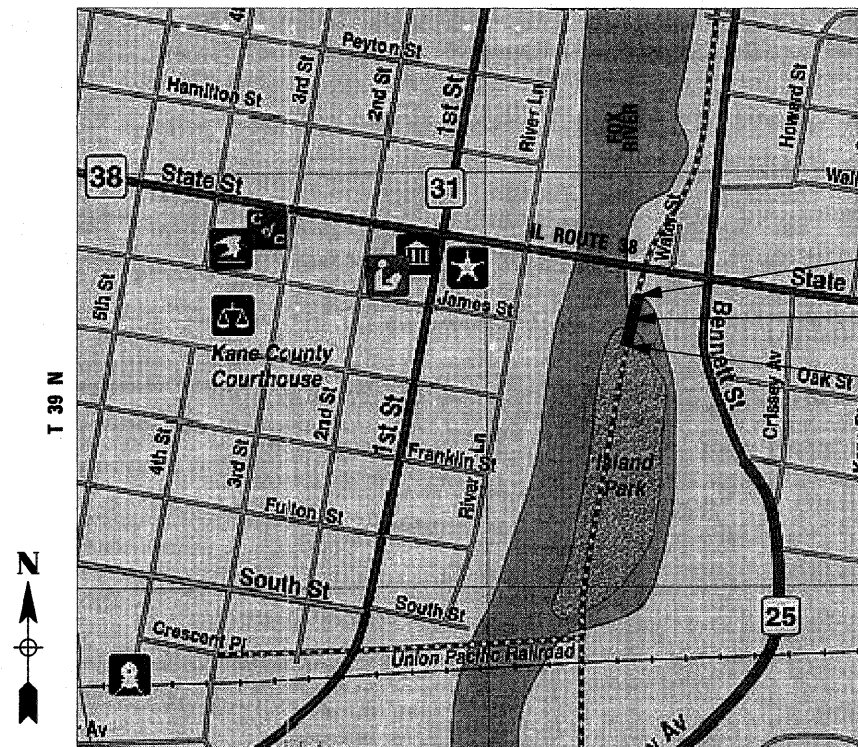
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT LOCATED  
IN THE CITY  
OF GENEVA

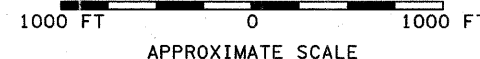
**CONTRACT NO. 63643**

FARNSWORTH GROUP, INC.

R 8 E, 3rd PM



**LOCATION MAP**

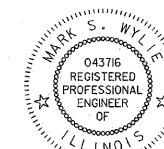


GROSS LENGTH = 350.0 FT. = 0.066 MILE  
NET LENGTH = 350.0 FT. = 0.066 MILE

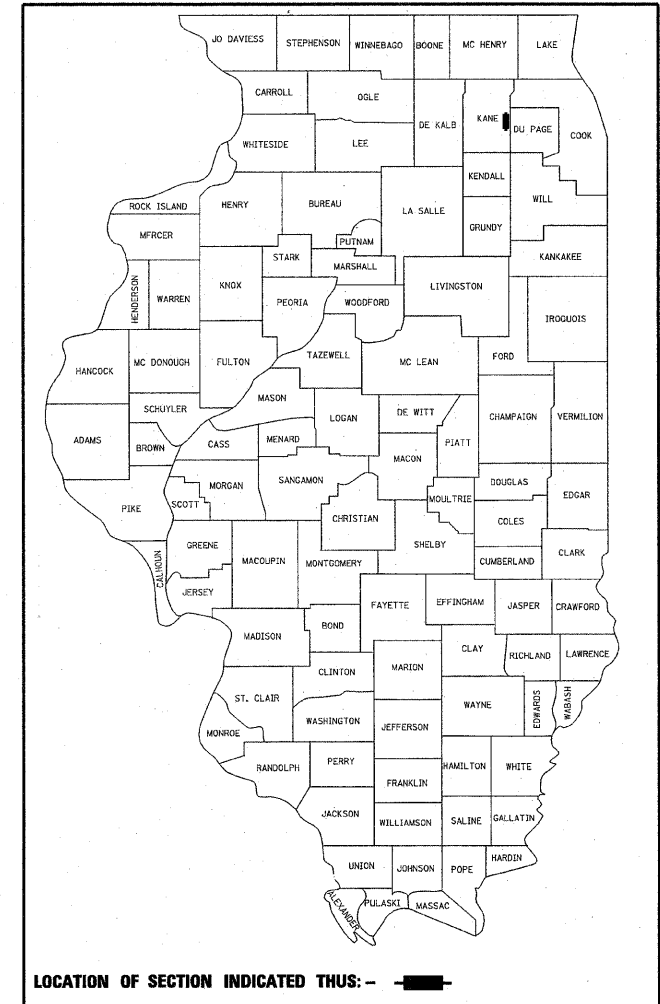
IMPROVEMENT ENDS  
STA 14+50

EXISTING FIVE-SPAN  
PEDESTRIAN BRIDGE  
S.N. 045-PO03

IMPROVEMENT BEGINS  
STA 11+00



Mark S. Wylie Date 10/17/11  
MARK S. WYLIE  
REGISTERED PROFESSIONAL ENGINEER  
NO. 062-043716  
EXPIRATION 11/30/11



LOCATION OF SECTION INDICATED THUS: —

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED 10-17 20 11  
*Arthur C. Dunder*  
BOARD PRESIDENT, GENEVA PARK DISTRICT

PASSED NOVEMBER 8 20 11  
*Christopher Holt*  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW NOVEMBER 8, 20 11  
*Diane M. O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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OF THE STATE OF ILLINOIS**

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL

**GENERAL NOTES**

1. CONTRACTOR TO PROTECT THE EXISTING TRAIL AND MONUMENTS TO REMAIN IN PLACE DURING CONSTRUCTION. ANY DAMAGE TO EXISTING PAVEMENT AND MONUMENTS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL CHARGE.
2. THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
3. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
4. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
5. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
6. THE CONTRACTOR SHALL NOTIFY THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT (CANDICE JACOBS, RESOURCE ANALYST -- 630-584-7961) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK.
7. A SEPARATE CONTRACT FOR ERECTION OF PLAYGROUND EQUIPMENT ON ISLAND PARK WILL BE EXECUTED DURING THIS CONTRACT. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND GENEVA PARK DISTRICT REGARDING ACCESS TO ISLAND PARK FOR THIS SEPARATE CONTRACT.
8. EXISTING PAVEMENT TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE. BETWEEN EXISTING AND PROPOSED PAVEMENT. THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "PAVEMENT REMOVAL".
9. ANY ITEMS ON TOP OF STRUCTURES TO BE REMOVED, I.E. PAVEMENT, CONCRETE PILASTERS AND CONCRETE RAIL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE PAY ITEM "REMOVAL OF EXISTING SUPERSTRUCTURES".
10. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
11. THE FOLLOWING WORK WILL BE COMPLETED BY OTHERS:
  - A) TEMPORARY REROUTING AND REPLACEMENT OF THE ELECTRICAL CONDUIT UNDERNEATH THE BRIDGE.
  - B) PRUNING OF TREES AND BUSHES ALONG THE SITE ACCESS ROUTE TO ALLOW CONTRACTOR ACCESS.
  - C) REMOVAL OF BUSHES, LIMBS AND DEBRIS AROUND THE PROPOSED CONSTRUCTION ACCESS RAMP IN THE SOUTHEAST QUADRANT.
  - D) REMOVAL OF THE EXISTING TREE IN THE NORTHEAST QUADRANT ADJACENT TO THE EXISTING NORTH ABUTMENT.
  - E) REMOVAL AND REPLACEMENT OF THE EXISTING WOODEN SIGN POSTS ADJACENT TO THE BRIDGE.
  - F) REMOVAL AND REPLACEMENT OF THE EXISTING STEEL FLAG POSTS NORTH OF THE EXISTING BRIDGE.
  - G) PERMANENT SEEDING OF THE SITE AFTER WORK IS COMPLETE.
12. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:
 

GRANULAR MATERIALS	2.05	TONS / CU YD
BIT MATERIALS (PRIME COAT) ON AGGREGATE BASES	0.4	GAL / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
13. BENCHMARKS ARE PROVIDED ON THE PLAN AND PROFILE SHEET. ALL ELEVATIONS REFER TO NAVD 88 VERTICAL DATUM.
14. THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. NO RECORD DRAWINGS ARE AVAILABLE FOR THE EXISTING STRUCTURE.
15. IT IS THE RESPONSIBILITY OF EACH BIDDER TO SATISFY HIMSELF AS TO THE CONDITIONS HE/SHE WILL ENCOUNTER IN PERFORMING THE WORK. FAILURE TO DO SO WILL NOT BE CONSIDERED GROUNDS FOR ADDITIONAL COMPENSATION FOR UNFORESEEN ADVERSE CONDITIONS ENCOUNTERED DURING THE PROGRESS OF THE WORK.
16. WHENEVER A QUESTION ARISES REGARDING THE EXISTENCE OR LOCATION OF A BURIED UTILITY, THE CONTRACTOR SHALL CALL THE TOLL FREE JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS (J.U.L.I.E.) TELEPHONE NUMBER, 800-892-0123, BEFORE STARTING EXCAVATION. 48 HOURS SHOULD BE ALLOWED FOR OTHER THAN EMERGENCY ASSISTANCE.

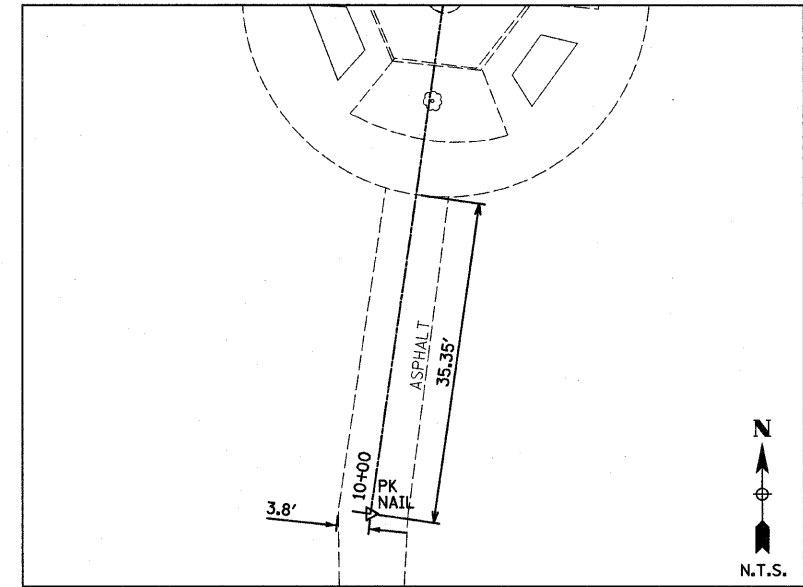
17. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTIONS 201 AND 107 OF THE STANDARD SPECIFICATIONS REGARDING RESPONSIBILITY TO PROTECT EXISTING LANDSCAPING OR PROPERTY NOT SCHEDULED IN THE CONTRACT FOR REMOVAL. ALL DAMAGE TO EXISTING PROPERTY NOT SCHEDULED FOR REMOVAL SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

**COMMITMENTS**

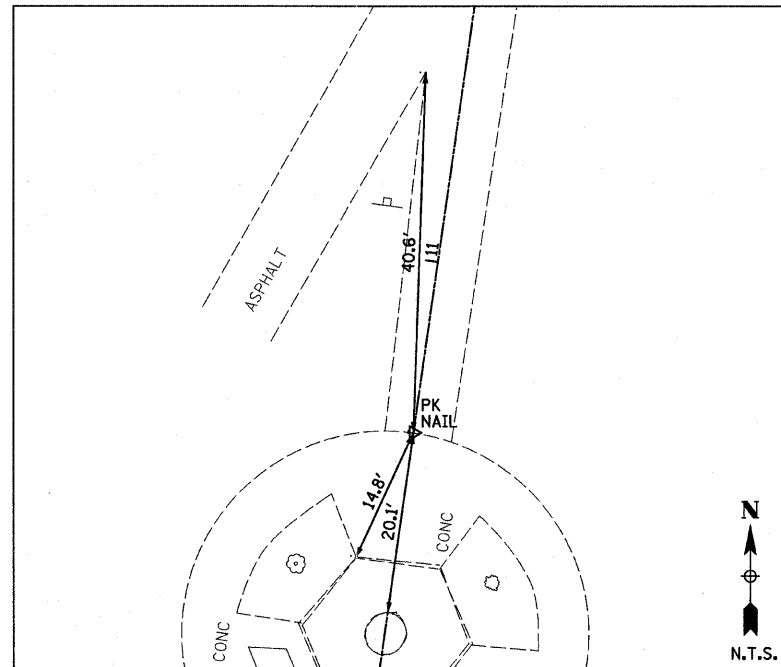
NONE.

**CONSTRUCTION TIMEFRAME**

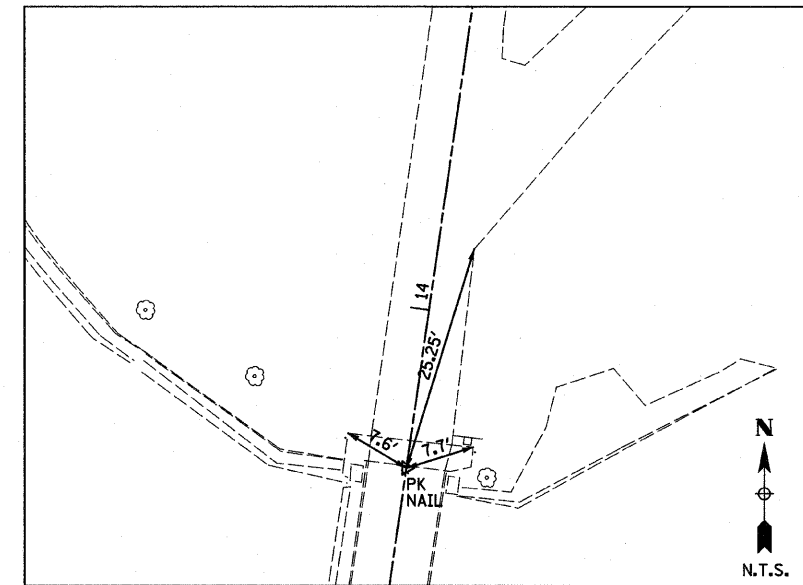
NO IN-STREAM WORK SHALL BE DONE BEFORE JUNE 15TH OR AFTER NOVEMBER 30TH OF THE CALENDAR YEAR.



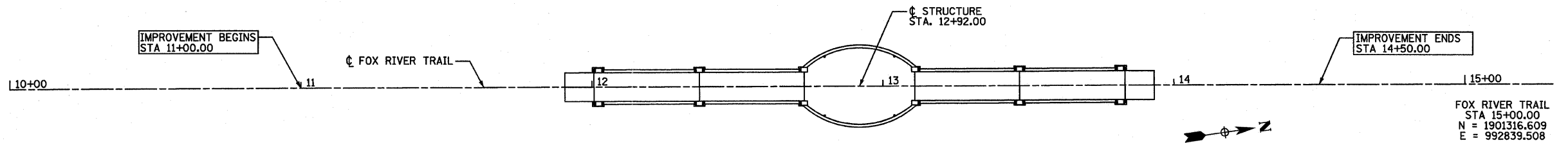
FOX RIVER TRAIL  
STA 10+00.00  
N = 1900822.622  
E = 992768.903



FOX RIVER TRAIL  
STA 10+80.82  
N = 1900901.363  
E = 992780.636



FOX RIVER TRAIL  
STA 13+82.3  
N = 1901200.091  
E = 992822.825



FOX RIVER TRAIL  
STA 15+00.00  
N = 1901316.609  
E = 992839.508

**Farnsworth GROUP, INC.**  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

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PLOT DATE = #DATE#	CHECKED - MSW	REVISED -
	DATE - 10/17/11	REVISED -

**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

**GENERAL NOTES, COMMITMENTS AND ALIGNMENT TIES  
ISLAND PARK NORTH BRIDGE**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	2
CONTRACT NO. 63643				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL	ROADWAY 0028	BRIDGE 0028	NON-PARTICIPATING 0043
20101000	TEMPORARY FENCE	FOOT	720	720		
20200100	EARTH EXCAVATION	CU YD	7	7		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	375	375		
25100630	EROSION CONTROL BLANKET	SQ YD	668	668		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	330	330		
28000400	PERIMETER EROSION BARRIER	FOOT	465	465		
28100107	STONE RIPRAP, CLASS A4	SQ YD	16		16	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	200	200		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	520	520		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	78	78		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	21	21		
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	14	14		
44000100	PAVEMENT REMOVAL	SQ YD	197	197		
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1	
50102400	CONCRETE REMOVAL	CU YD	30.1		30.1	
50200100	STRUCTURE EXCAVATION	CU YD	27		27	
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	23		23	
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1		1	
50201102	COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1		1	

CODE NUMBER	ITEM	UNIT	TOTAL	ROADWAY 0028	BRIDGE 0028	NON-PARTICIPATING 0043
50300100	FLOOR DRAINS	EACH	4		4	
50300225	CONCRETE STRUCTURES	CU YD	36.1		36.1	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	128.1		128.1	
50300300	PROTECTIVE COAT	SQ YD	435		435	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	24,770		24,770	
50800515	BAR SPLICERS	EACH	92		92	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	16		16	
67100100	MOBILIZATION	L SUM	1	1		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	55		55	
Δ Z0076600	TRAINEES	hour	500	500		
• X0323444	DECORATIVE STEEL RAILING	FOOT	328		328	
X0325352	PIPE SUPPORT	EACH	31			31
X0325728	REMOVE AND RE-ERECT MORTARED STONE WALL	SQ FT	194	194		
X0326500	BRIDGE OPERATION AND MAINTENANCE DURING CONSTRUCTION	L SUM	1	1		
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	27		27	
X5000010	POST-TENSIONING SYSTEM	L SUM	1		1	
<del>50800630</del>	MECHANICAL SPLICERS	EACH	48		48	
XX008065	TRAFFIC CONTROL AND PROTECTION FOR BICYCLE PATH DETOUR	L SUM	1	1		

• SPECIALTY ITEM  
Δ 0042



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CHECKED - MSW  
DATE - 10/17/11

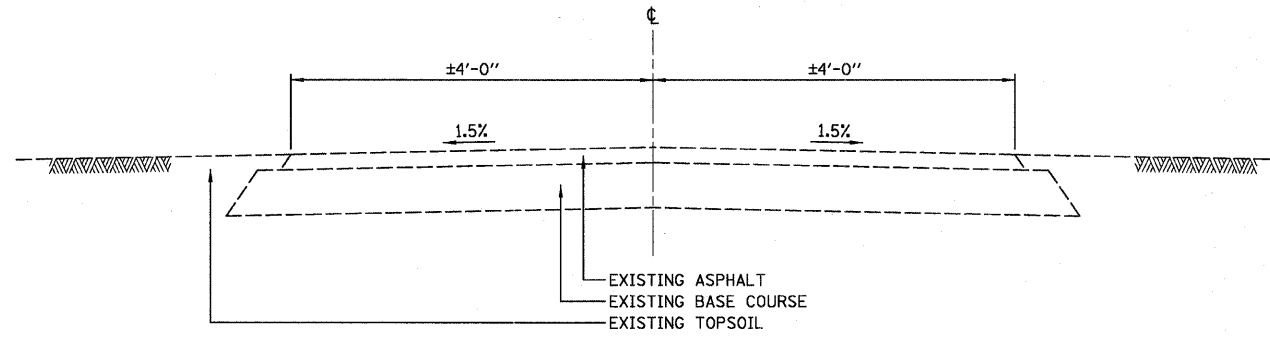
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**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

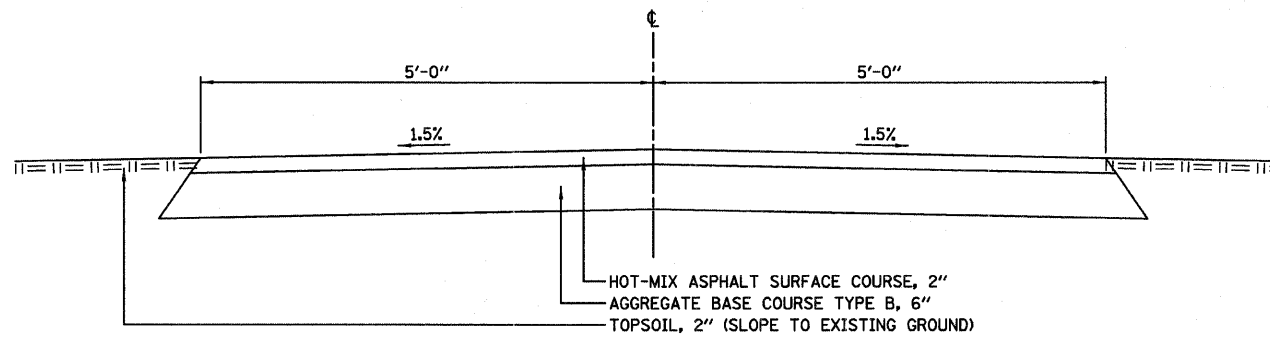
**SUMMARY OF QUANTITIES  
ISLAND PARK NORTH BRIDGE**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	3
CONTRACT NO. 63643				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL CROSS SECTION**  
 STA 11+00.00 TO STA 14+50.00, FOX RIVER TRAIL



**PROPOSED TYPICAL CROSS SECTION**  
 STA 11+00.00 TO STA 11+91.25, FOX RIVER TRAIL  
 STA 13+92.75 TO STA 14+50.00, FOX RIVER TRAIL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	4% @ 50 GYR.

- 1.) THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- 2.) THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

<b>Farnsworth</b> GROUP, INC. <small>2709 McGraw Drive          Bloomington, Illinois 61704          309/663-8435, 309/663-1571 fax</small>	USER NAME = #USER#	DESIGNED - SDH	REVISED -	<b>GENEVA PARK DISTRICT</b> <b>GENEVA, ILLINOIS</b>	<b>TYPICAL SECTIONS</b> <b>ISLAND PARK NORTH BRIDGE</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = #DATE#	CHECKED - MSW	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 63643			
	DATE - 10/17/11	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

EARTHWORK				
LOCATION	EARTH EXCAVATION	TOTAL EXCAVATION ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	BALANCE WASTE (+) SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
STA 11+00 TO STA 12+00.75	3	2	0	2
STA 13+83.25 TO STA 14+50	4	3	1	2
TOTAL	7	5	1	4

AGGREGATE FOR TEMPORARY ACCESS	
LOCATION	TON
STA 10+98 TO 14+52	520
TOTAL	520

EROSION CONTROL			
LOCATION	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER
	SQ YD	POUND	FOOT
STA 11+00 TO STA 12+00.75 LT	178	90	98
STA 11+00 TO STA 12+00.75 RT	231	110	174
STA 13+83.25 TO STA 14+50 LT	122	60	130
STA 13+83.25 TO STA 14+50 RT	137	70	63
TOTAL	668	330	465

TEMPORARY FENCE	
LOCATION	FOOT
STA 11+07 TO 14+52 (LT SIDE)	357
STA 10+98 TO 11+52 (RT SIDE)	363
TOTAL	720

PAVEMENT REMOVAL	
LOCATION	SQ YD
STA 11+00 TO STA 12+00.75	122
STA 13+83.25 TO STA 14+50	75
TOTAL	197

PAVING MATERIALS			
LOCATION	AGG BASE CSE TY B 6"	BIT MATLS (PRIME COAT)	HMA SURF CSE, MIX "D", N50
	SQ YD	GALLON	TON
STA 11+00 TO STA 12+00.75	125	49	14
STA 13+83.25 TO STA 14+50	75	29	7
TOTAL	200	78	21

BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
LOCATION	SQ FT
STA 12+00.75 TO 12+06.75	7
STA 13+77.35 TO 13+83.25	7
TOTAL	14

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
LOCATION	SQ YD
STA 10+98 TO 14+73	375
TOTAL	375

REMOVE AND RE-ERECT MORTARED STONE WALL	
LOCATION	SQ FT
STA 12+08 LT	27
STA 12+10 RT	120
STA 13+80 LT	27
STA 13+80 RT	20
TOTAL	194



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**GENEVA PARK DISTRICT  
 GENEVA, ILLINOIS**

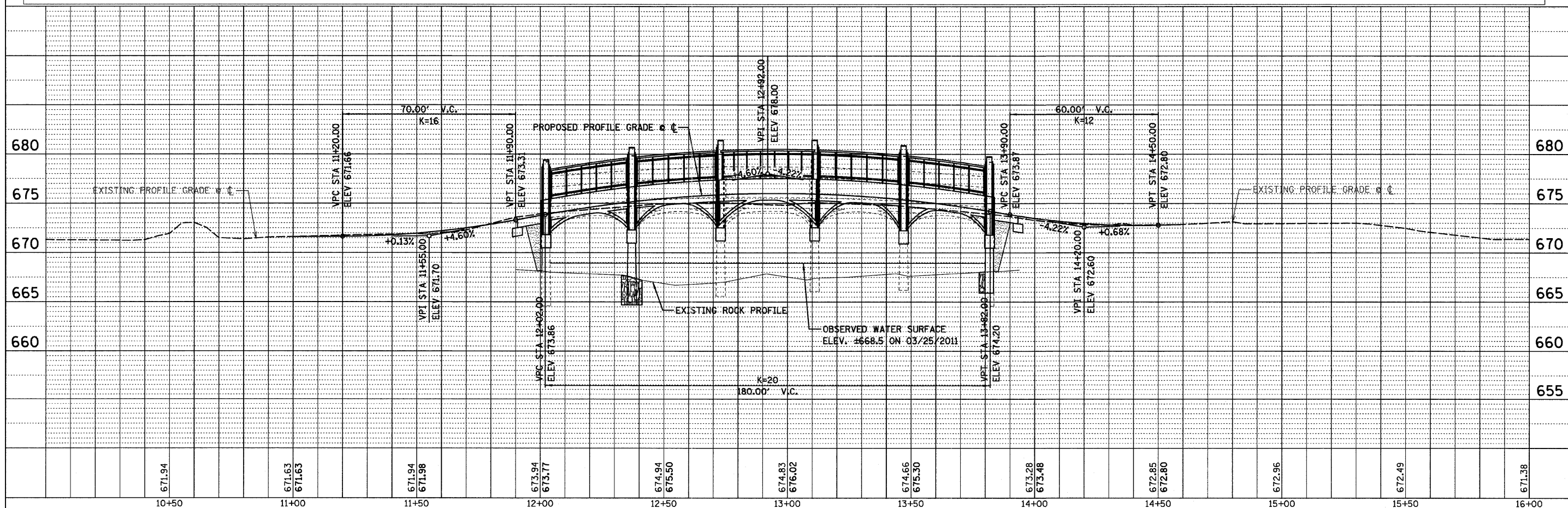
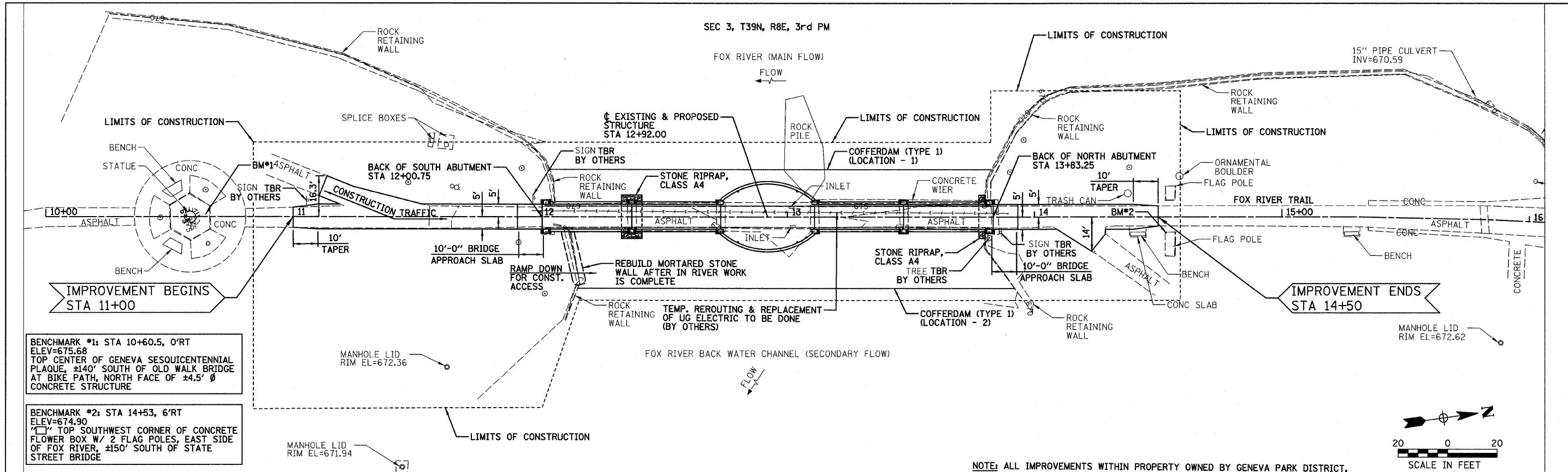
**SCHEDULE OF QUANTITIES  
 ISLAND PARK NORTH BRIDGE**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	5
CONTRACT NO. 63643				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY



671.94	671.63	671.98	673.94	674.94	674.83	674.66	673.28	672.85	672.96	672.49	671.38
10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00

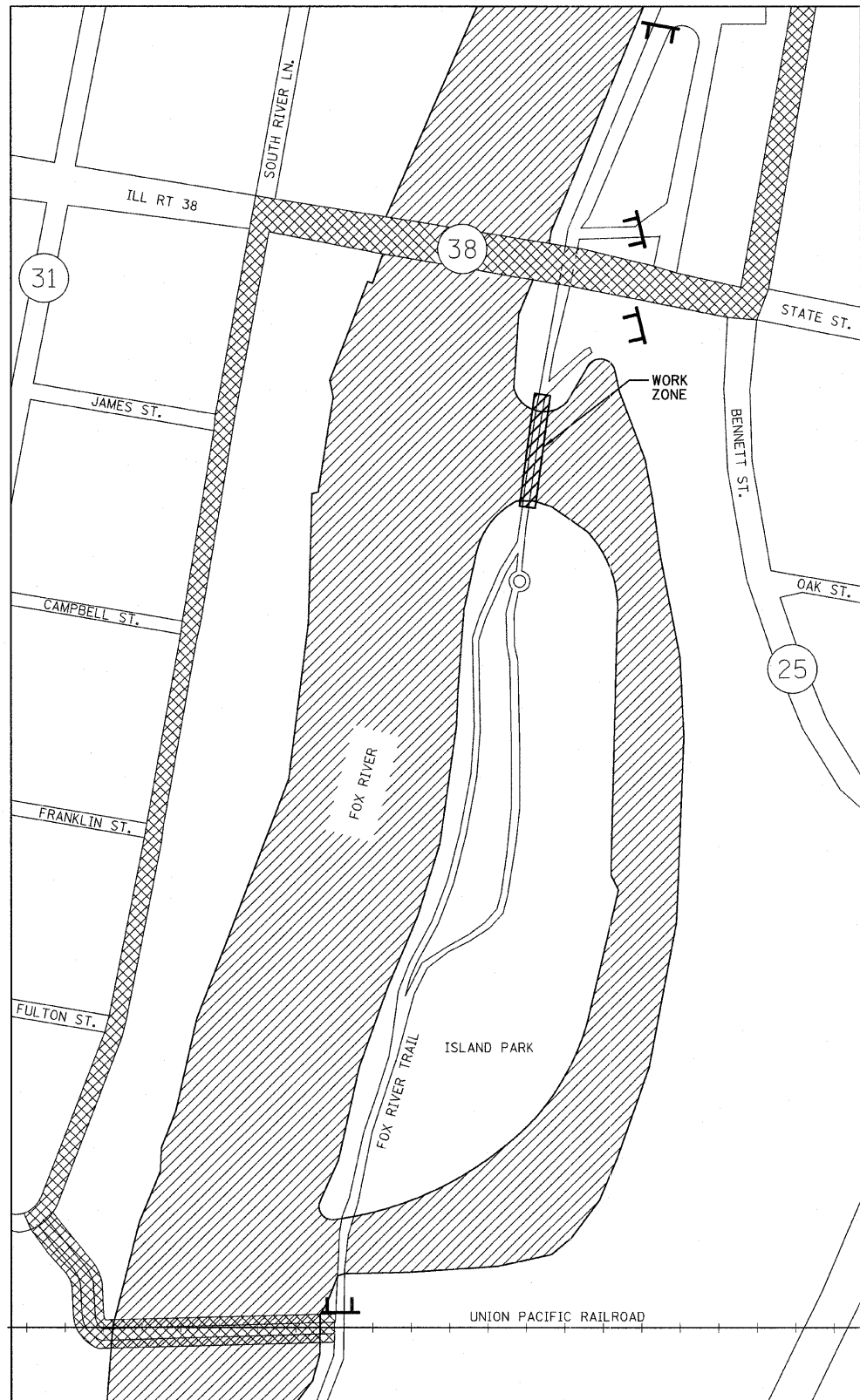
**Farnsworth**  
 GROUP, INC.  
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 309/663-8435, 309/663-1571 fax

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	DATE - 10/17/11	REVISED -



**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

**PLAN AND PROFILE**  
**ISLAND PARK NORTH BRIDGE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	6
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



**LEGEND:**

-  TYPE III BARRICADE
-  DETOUR ROUTE

**NOTES:**

1. DETOUR SIGNAGE TO BE COMPLETED BY THE GENEVA PARK DISTRICT. CONTRACTOR SHALL ERECT FOUR BARRICADES AT THE LOCATIONS SHOWN ON THIS SHEET.
2. CONTRACTOR SHALL CONTACT THE GENEVA POLICE DEPARTMENT (630-232-4736) AND THE GENEVA FIRE DEPARTMENT (630-232-2530) NO LESS THAN 72 HOURS PRIOR TO TRAIL CLOSURE.
3. THE GRADE OF THE UNION PACIFIC RAILROAD IS ELEVATED ABOVE THE FOX RIVER TRAIL, AND THE RAILROAD BRIDGE OVER THE FOX RIVER ALSO CARRIES PEDESTRIAN TRAFFIC AT A LOWER ELEVATION.

**PEDESTRIAN TRAFFIC CONTROL AND PROTECTION MAP**  
(NOT TO SCALE)

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
308/663-8435, 308/663-1571 fax

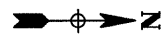
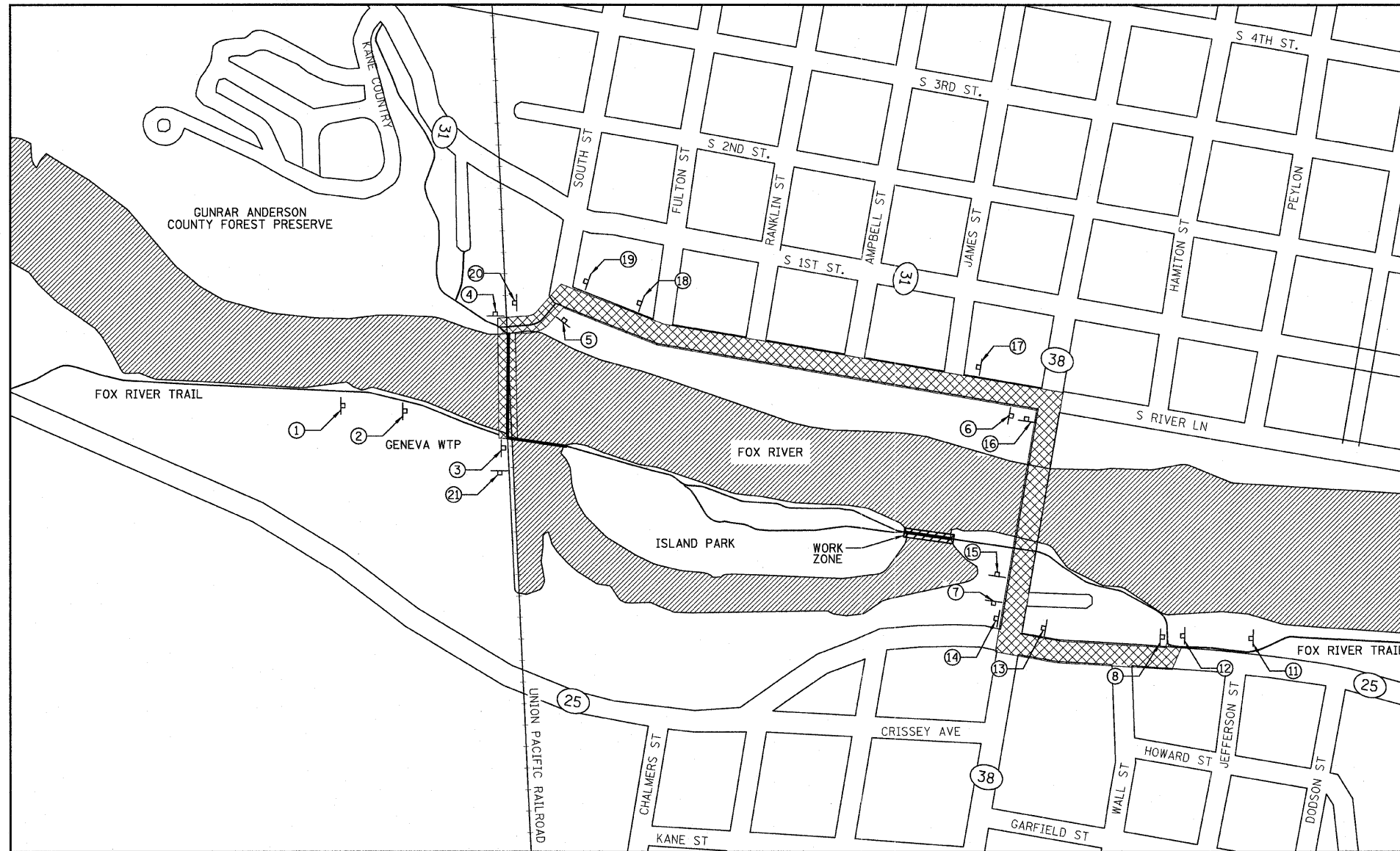
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**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

**TRAFFIC CONTROL AND DETOUR MAP**  
**ISLAND PARK NORTH BRIDGE**


SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	7
CONTRACT NO. 63643				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**BICYCLE AND PEDESTRIAN TRAFFIC DETOUR MAP**  
(NOT TO SCALE)

**LEGEND:**

 DETOUR ROUTE

**NORTHBOUND TRAFFIC**

- ① CAUTION  
DETOUR AHEAD
- ② ISLAND PARK  
CLOSED AHEAD
- DETOUR
- ③ F.R. TRAIL NORTH
- DETOUR
- ④ F.R. TRAIL NORTH
- DETOUR
- ⑤ F.R. TRAIL NORTH
- DETOUR
- ⑥ F.R. TRAIL NORTH  
(USE SIDEWALK)
- DETOUR
- ⑦ F.R. TRAIL NORTH  
(USE SIDEWALK)
- DETOUR
- ⑧ END DETOUR
- F.R. TRAIL NORTH

**SOUTHBOUND TRAFFIC**

- ⑪ CAUTION  
ISLAND PARK CLOSED  
DETOUR AHEAD
- DETOUR
- ⑫ F.R. TRAIL SOUTH  
(STAY ON SIDEWALK)
- DETOUR
- ⑬ F.R. TRAIL SOUTH  
CROSS RT 38 TO SOUTH SIDE  
PROCEED WEST
- DETOUR
- ⑭ F.R. TRAIL SOUTH
- DETOUR
- ⑮ F.R. TRAIL SOUTH
- DETOUR
- ⑯ F.R. TRAIL SOUTH
- DETOUR
- ⑰ F.R. TRAIL SOUTH
- ⑱ CAUTION  
TURNING VEHICLES AHEAD
- DETOUR
- ⑲ F.R. TRAIL SOUTH
- DETOUR
- ⑳ F.R. TRAIL SOUTH
- END DETOUR
- ㉑ F.R. TRAIL SOUTH

**NOTES:**

- 1.) DETOUR SIGNAGE TO BE COMPLETED BY THE GENEVA PARK DISTRICT. SEE SPECIAL PROVISIONS.
- 2.) ALL BICYCLE DETOUR SIGNS SHOULD MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

USER NAME = #USER#	DESIGNED - SDH	REVISED - DJM 11/07/11
PLOT SCALE = #SCALE#	DRAWN - JJO/JWK	REVISED -
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	DATE - 10/17/11	REVISED -

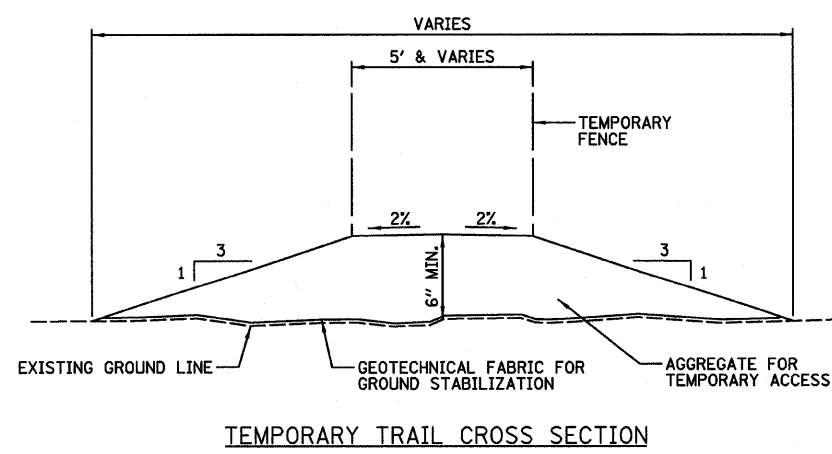
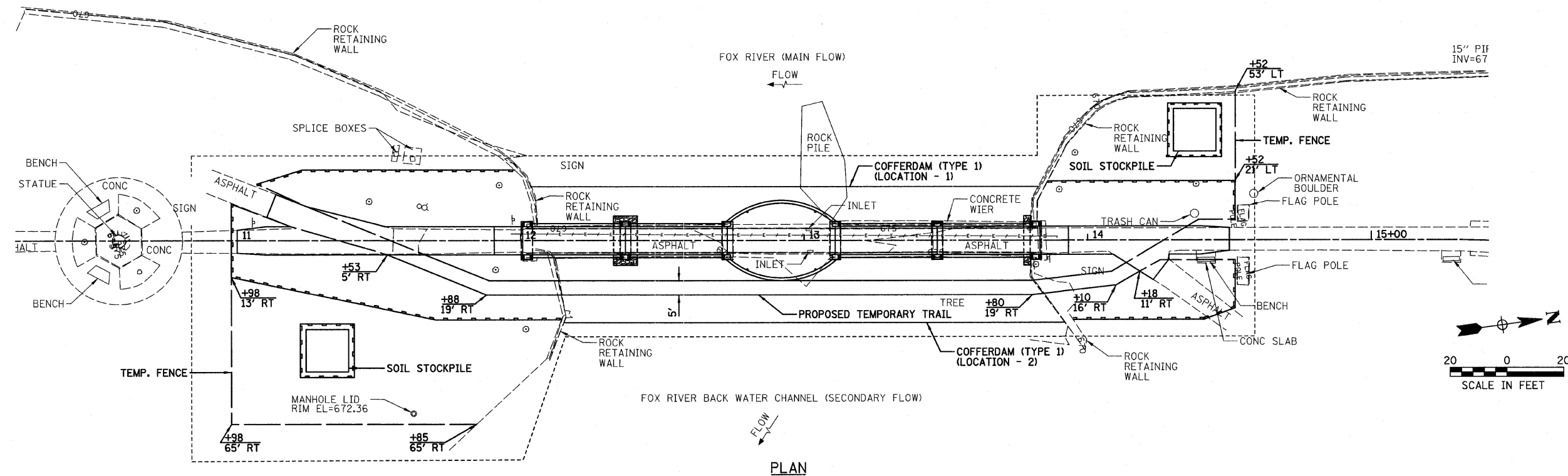
**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

**TRAFFIC CONTROL AND DETOUR MAP**  
**ISLAND PARK NORTH BRIDGE**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	7A
CONTRACT NO. 63643				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**PLAN NOTES:**

- 1.) TEMPORARY TRAIL GRADE SHALL NOT EXCEED 5% AT ANY LOCATION.
- 2.) CONTRACTOR SHALL NOT EXCAVATE OR REMOVE ADDITIONAL SECTIONS OF ROCK RETAINING WALL TO CONSTRUCT TEMPORARY TRAIL.
- 3.) GEOTECHNICAL FABRIC SHALL BE USED TO STABILIZE THE AGGREGATE ON THE TEMPORARY TRAIL.

**FOX VALLEY MARATHON NOTES:**

- 1.) ISLAND PARK WILL BE ACCESSIBLE TO MARATHON PEDESTRIAN TRAFFIC ONLY.
- 2.) CONTRACTOR SHALL SECURE ALL EQUIPMENT AND MATERIALS OUTSIDE FENCED BOUNDARY AS NECESSARY.
- 3.) NO WORK SHALL BE PERFORMED ON DAY OF MARATHON RACE. (SEE SPECIAL PROVISIONS)

**FOX VALLEY FOLK FESTIVAL NOTES:**

- 1.) CONTRACTOR SHALL SECURE ALL EQUIPMENT AND MATERIALS OUTSIDE FENCED BOUNDARY AS NECESSARY.
- 2.) NO WORK SHALL BE PERFORMED ON FESTIVAL DATES. (SEE SPECIAL PROVISIONS)

**Farnsworth GROUP, INC.**  
 2709 McGraw Drive  
 Bloomington, Illinois 61704  
 309/663-8435, 309/663-1571 fax

USER NAME = #USER#	DESIGNED - SDH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - JJO/JWK	REVISED -
PLOT DATE = #DATE#	CHECKED - MSW	REVISED -
	DATE - 10/17/11	REVISED -

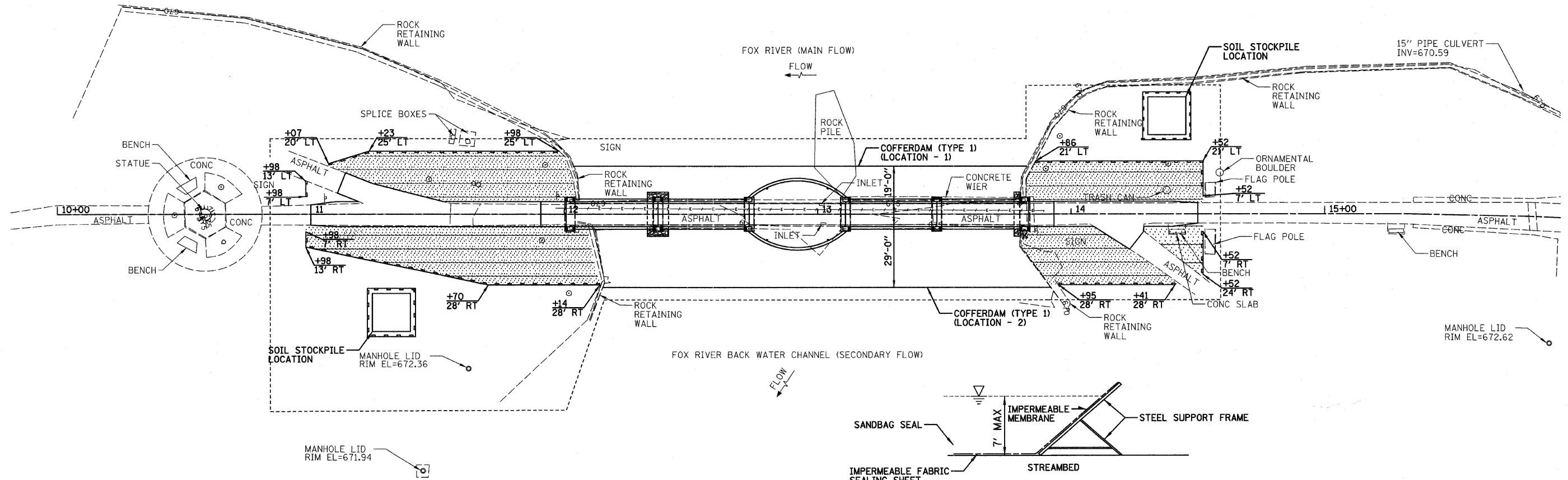
**GENEVA PARK DISTRICT  
 GENEVA, ILLINOIS**

<b>PEDESTRIAN TRAFFIC PLAN    ISLAND PARK NORTH BRIDGE</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	8
CONTRACT NO. 63643				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**SUBSTRUCTURE REPLACEMENT SEQUENCE:**

- 1.) REMOVE ROCK RETAINING WALLS AND CONSTRUCT TEMPORARY COFFERDAM.
- 2.) DE-WATER STREAMBED WITHIN LIMITS SHOWN ON THE PLAN.
- 3.) REMOVE PIER NO. 1 AND THE NORTH ABUTMENT.
- 4.) CONSTRUCT EXTENSIONS TO CAPS ON PIER NO. 2, PIER NO. 3, PIER NO. 4 AND THE SOUTH ABUTMENT.
- 5.) CONSTRUCT PROPOSED PIER NO. 1 AND THE NORTH ABUTMENT.
- 6.) REBUILD ROCK RETAINING WALLS TO EXISTING DIMENSIONS.
- 7.) REMOVE TEMPORARY COFFERDAM.



**TEMPORARY COFFERDAM DETAIL**

**NOTES:**

- 1.) THE COFFERDAM SYSTEM TO BE USED IS THE PORTADAM SYSTEM OR APPROVED EQUAL.
- 2.) DIMENSIONS AND LOADING TO BE DETERMINED BY MANUFACTURER.

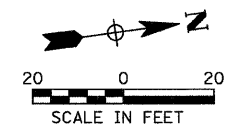
**LEGEND**

- SILT FENCE
- STONE RIPRAP, CLASS A4
- EROSION CONTROL BLANKET

**NOTES:**

- 1.) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DIVERT THE RIVER FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER.
- 2.) THE CONTRACTOR SHALL SUBMIT A TEMPORARY COFFERDAM SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER. THE PLANS AND CALCULATIONS SHALL BE SEALED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF ILLINOIS.
- 3.) ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH 1/2" OR GREATER RAIN EVENT.
- 4.) IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION. IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 14 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 7TH DAY AFTER WORK HAS CEASED.
- 5.) ENTRYWAYS TO THE PROJECT SITE SHALL BE INSPECTED DAILY FOR CONSTRUCTION DEBRIS AND CLEANED AS NECESSARY.
- 6.) STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FILTER FENCE). STOCKPILES, NOT BEING ACTIVITY WORKED AND TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.
- 7.) NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS.

- 8.) ENTRANCES TO THE CONSTRUCTION SITE SHALL BE STABILIZED IN ACCORDANCE WITH STANDARD DRAWING IL-630 OF THE ILLINOIS URBAN MANUAL.
- 9.) DURING WORK ON THE BANKS AND IN THE RIVER, WORK MUST BE TIMED TO TAKE PLACE DURING LOW OR NO FLOW CONDITIONS.
- 10.) CONCENTRATED FLOW MUST BE ISOLATED FROM THE WORK AREA USING A NON-ERODIBLE COFFERDAM (STEEL SHEETS, AQUA BARRIERS, ETC.). EXACT MEANS AND METHODS SHOULD BE DISCUSSED DURING A SCHEDULED PRE-CONSTRUCTION MEETING.
- 11.) IF BYPASS IS NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED INTO A SUMP PIT AND THE OUTLET PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE RIVER FLOW.
- 12.) IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, FILTER ALL WATER BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL FLOW OF THE RIVER.
- 13.) THE SIDE SLOPES SHALL BE RESEDED AND STABILIZED WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE SWALE SHALL BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.



**Farnsworth GROUP, INC.**  
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USER NAME = #USER*	DESIGNED - SDH	REVISED -
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PLOT DATE = #DATE*	CHECKED - MSW	REVISED -
	DATE - 10/17/11	REVISED -

**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

**EROSION CONTROL PLAN  
ISLAND PARK NORTH BRIDGE**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
--------	-----------	----	--------	------	---------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	9
CONTRACT NO. 63643				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

Benchmarks: 1.) Top center of Geneva Sesquicentennial Plaque, ±140' South of old walk bridge at bike path, North face ±4.5' ± concrete structure, Sta. 10+60.5/0.0' Rt., Elevation = 675.68.  
 2.) "□" top Southwest corner of concrete flower box w/ 2 flag poles, East side of Fox River, ±150' South of State Street Bridge, Sta. 14+53/6.0' Rt., Elevation = 674.90.

Existing Structure: The Island Park North Bridge was built in 1931. The superstructure consists of haunched thru-girders with a concrete deck between the girders. The substructure consists of concrete closed abutments and four concrete solid shaft piers. The back-to-back of abutments dimension measures 182'-6" and the out-to-out dimension measures 8'-8". The span lengths varying from 34'-8" to 38'-0". An electrical conduit is connected to the underside of the deck and will be replaced.

No Salvage.

**DESIGN SPECIFICATIONS**

AASHTO Guide Specifications for Design of Pedestrian Bridges

2002 AASHTO Standard Specifications for Highway Bridges

**DESIGN STRESSES**

FIELD UNITS

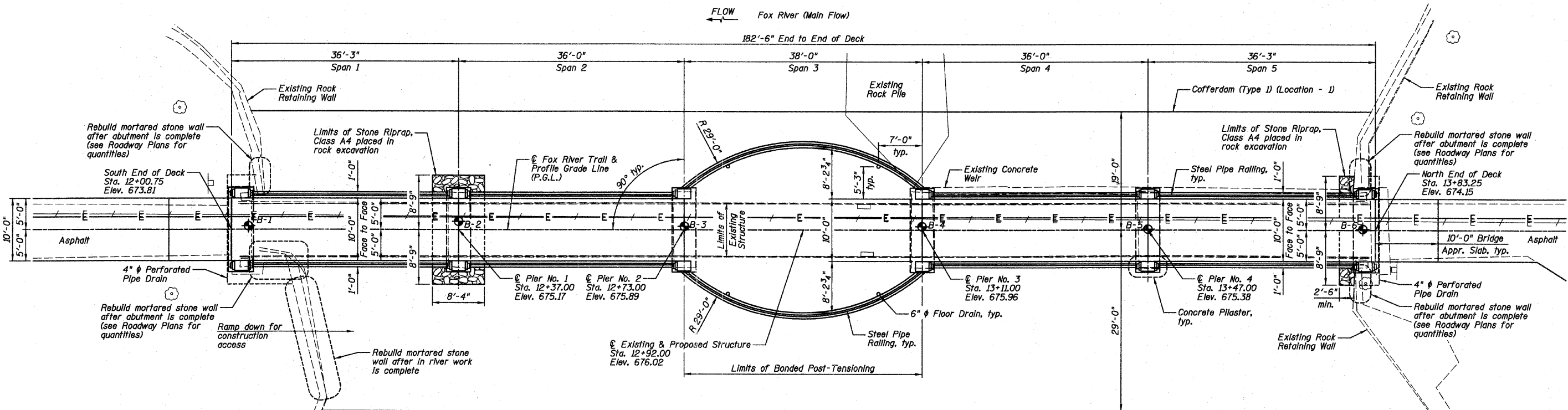
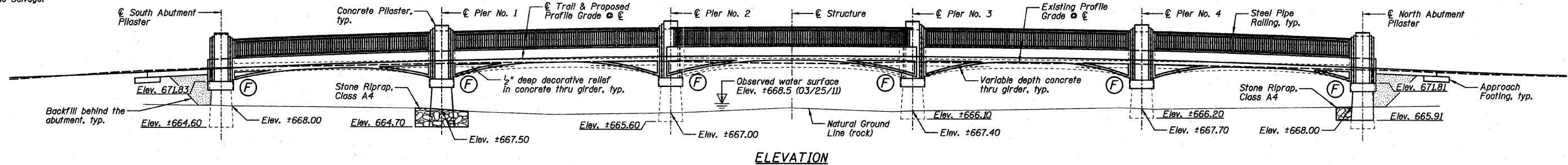
$f'_c$  = 4,000 psi (Cast-In-Place)  
 $f'_{ci}$  = 3,500 psi (Cast-In-Place Strength at Stressing)  
 $f_y$  = 60,000 psi (Reinforcement)  
 $f'_s$  = 270,000 psi (½" Low Relaxation Post-Tensioning Tendon)  
 $f'_{sl}$  = 189,000 psi (½" Low Relaxation Post-Tensioning Tendon)

**LOADING**

Live Load: 85 psf  
 Vehicle Load: 10,000 lb (H-5 truck)  
 Future Wearing Surface not allowed

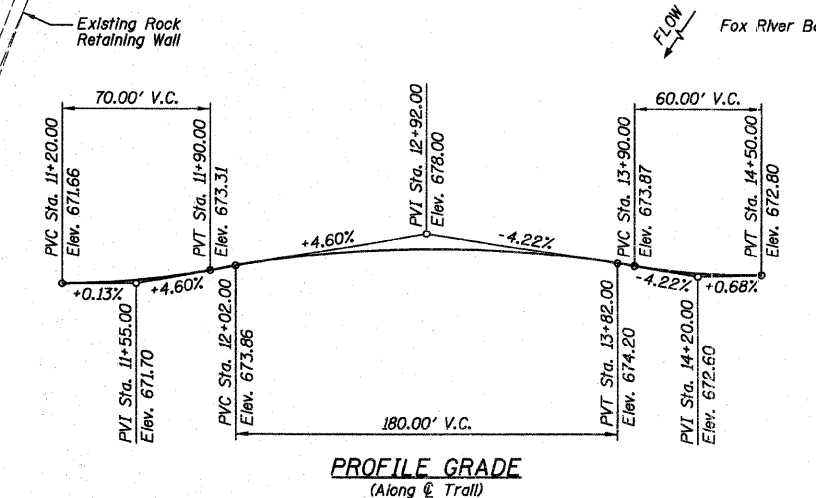
**SEISMIC DATA**

Seismic Performance Category (SPC) = A  
 Bedrock Acceleration Coefficient (A) = 0.037  
 Site Coefficient (S) = 1.0

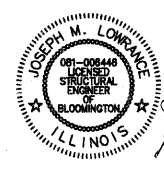


**INDEX OF SHEETS**

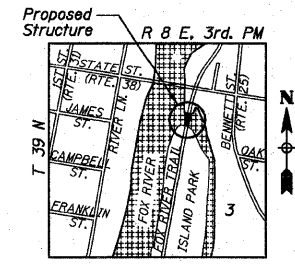
SHEET NO.	TITLE
B1	GENERAL PLAN AND ELEVATION
B2	GENERAL DATA
B3	TOP OF SLAB ELEVATION LOCATIONS AND ELEVATIONS
B4	TOP OF APPROACH SLAB ELEVATIONS
B5-B7	SUPERSTRUCTURE DECK
B8-B12	SUPERSTRUCTURE GIRDERS
B13	SUPERSTRUCTURE CROSS SECTIONS
B14	SUPERSTRUCTURE DETAILS
B15-B17	DIAPHRAGM DETAILS
B18	BRIDGE APPROACH SLAB DETAILS
B19	DECORATIVE STEEL RAILING DETAILS
B20	SOUTH ABUTMENT REMOVAL
B21	SOUTH ABUTMENT REPLACEMENT
B22	NORTH ABUTMENT REMOVAL
B23	NORTH ABUTMENT REPLACEMENT
B24	PIER NO. 1 REMOVAL
B25	PIER NO. 1 REPLACEMENT
B26	PIER NO. 2 THRU PIER NO. 4 REMOVAL
B27	PIER NO. 2 THRU PIER NO. 4 REPLACEMENT
B28	ELECTRICAL CONDUIT DETAILS
B29	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
B30-B31	SOIL BORING LOGS



I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the "AASHTO Guide Specifications for Design of Pedestrian Bridges" and "2002 AASHTO Standard Specifications for Highway Bridges".



Joseph M. Lowrance  
 JOSEPH M. LOWRANCE  
 ILLINOIS STRUCTURAL ENGINEER  
 NO. 081-006446  
 Exp. Date 11/30/12



**GENERAL PLAN AND ELEVATION**  
**ISLAND PARK NORTH BRIDGE**  
**OVER SIDE CHANNEL OF FOX RIVER**  
**FOX RIVER TRAIL**  
**SECTION 06-P4005-00-BR**  
**KANE COUNTY**  
**STATION 12+92.00**

**Farnsworth**  
 GROUP, INC.  
 2709 McGraw Drive  
 Bloomington, Illinois 61704  
 309.663-8435, 309.663-1571 fax

DESIGNED - JML/JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED

**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

SHEET NO. B1 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	10
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				

**TOTAL BILL OF MATERIAL**

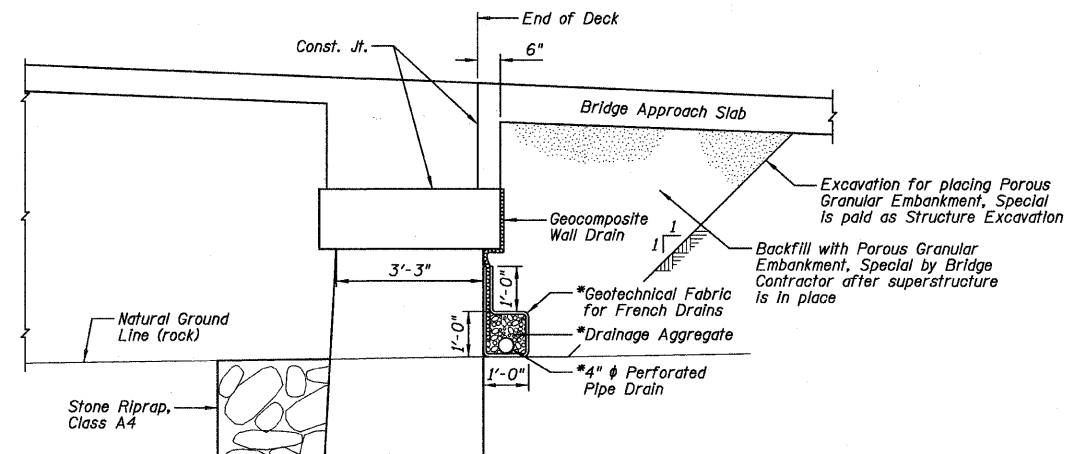
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		16	16
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		30.1	30.1
Structure Excavation	Cu. Yd.		27	27
Rock Excavation for Structures	Cu. Yd.		23	23
Cofferdam (Type 1) (Location - 1)	Each		1	1
Cofferdam (Type 1) (Location - 2)	Each		1	1
Floor Drains	Each	4		4
Concrete Structures	Cu. Yd.		36.1	36.1
Concrete Superstructure	Cu. Yd.	128.1		128.1
Protective Coat	Sq. Yd.	435		435
Reinforcement Bars, Epoxy Coated	Pound	20,940	3,830	24,770
Bar Splicers	Each	92		92
Geocomposite Wall Drain	Sq. Yd.		16	16
Pipe Underdrains for Structures 4"	Foot		55	55
Decorative Steel Railing	Foot	328		328
Pipe Support	Each	31		31
Porous Granular Embankment, Special	Cu. Yd.		27	27
Post-Tensioning System	L. Sum	1		1
Mechanical Splicers	Each	48		48

**GENERAL NOTES:**

- 1.) Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
- 2.) Reinforcement bars designated (E) shall be epoxy coated.
- 3.) Plan dimensions and details relative to existing plans are subject to nominal construction 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 at the unit price bid for the work.
- 4.) The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except within the limits of the cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
- 5.) The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
- 6.) Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
- 7.) Electrical conduit hole locations to match existing hole locations.

**CONSTRUCTION SEQUENCE:**

- 1.) Remove existing superstructure and substructure elements as shown.
- 2.) Construct the substructure elements.
- 3.) Construct superstructure spans adjacent to Span No. 3.
- 4.) Construct the bonded Post-Tension Slab within Span No. 3 without the curved concrete thru-girders.
- 5.) Post-Tension the slab within Span No. 3 after the concrete has achieved the minimum compressive strength of 3,500 psi.
- 6.) Construct the curved concrete thru-girders (the Post-Tension Slab support formwork shall not be removed until after the concrete thru-girders have achieved the minimum compressive strength of 4,000 psi).
- 7.) Finalize all remaining bridge construction items.



**SECTION THRU NORTH ABUTMENT**  
(Similar for South Abutment)

- NOTES:**
- 1.) \*Included in the cost of Pipe Underdrains for Structures 4".
  - 2.) All drainage system components shall extend to 2'-0" from the end of the abutment except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall outlet at the front face of the rebuilt mortared stone wall.

**INSIDE FACE OF WEST GIRDER**

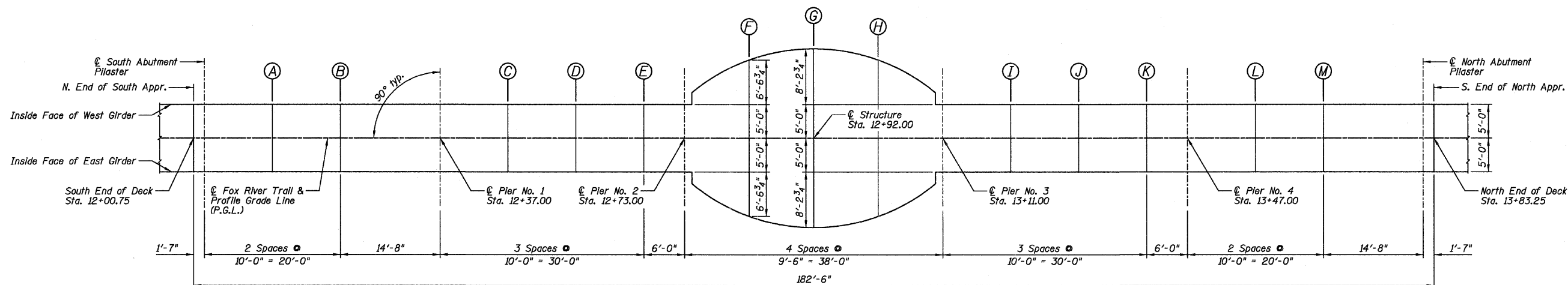
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
South End of Deck	12+00.75	-5.00	673.81	673.81
☉ South Abut. Pilaster	12+02.33	-5.00	673.88	673.88
A	12+12.33	-5.00	674.31	674.32
B	12+22.33	-5.00	674.69	674.71
☉ Pier No. 1	12+37.00	-5.00	675.17	675.17
C	12+47.00	-5.00	675.43	675.44
D	12+57.00	-5.00	675.65	675.65
E	12+67.00	-5.00	675.82	675.82
☉ Pier No. 2	12+73.00	-5.00	675.89	675.89
F	12+82.50	-11.57	675.98	675.98
G	12+92.00	-13.23	676.02	676.03
H	13+01.50	-11.57	676.01	676.02
☉ Pier No. 3	13+11.00	-5.00	675.96	675.96
I	13+21.00	-5.00	675.87	675.87
J	13+31.00	-5.00	675.72	675.72
K	13+41.00	-5.00	675.52	675.52
☉ Pier No. 4	13+47.00	-5.00	675.38	675.38
L	13+57.00	-5.00	675.10	675.11
M	13+67.00	-5.00	674.78	674.80
☉ North Abut. Pilaster	13+81.67	-5.00	674.22	674.22
North End of Deck	13+83.25	-5.00	674.15	674.15

**☉ FOX RIVER TRAIL & PROFILE GRADE LINE (P.G.L.)**

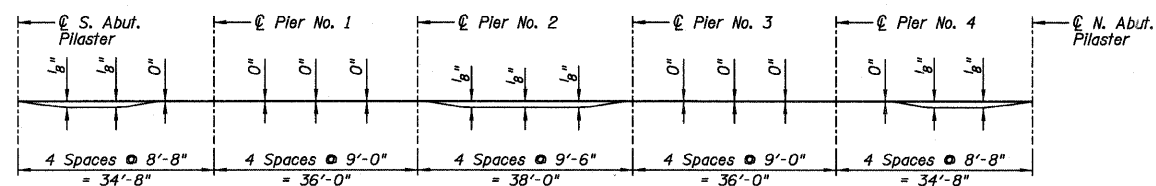
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
South End of Deck	12+00.75	0.00	673.81	673.81
☉ South Abut. Pilaster	12+02.33	0.00	673.88	673.88
A	12+12.33	0.00	674.31	674.32
B	12+22.33	0.00	674.69	674.71
☉ Pier No. 1	12+37.00	0.00	675.17	675.17
C	12+47.00	0.00	675.43	675.44
D	12+57.00	0.00	675.65	675.65
E	12+67.00	0.00	675.82	675.82
☉ Pier No. 2	12+73.00	0.00	675.89	675.89
F	12+82.50	0.00	675.98	676.00
G	12+92.00	0.00	676.02	676.04
H	13+01.50	0.00	676.01	676.04
☉ Pier No. 3	13+11.00	0.00	675.96	675.96
I	13+21.00	0.00	675.87	675.87
J	13+31.00	0.00	675.72	675.72
K	13+41.00	0.00	675.52	675.52
☉ Pier No. 4	13+47.00	0.00	675.38	675.38
L	13+57.00	0.00	675.10	675.11
M	13+67.00	0.00	674.78	674.80
☉ North Abut. Pilaster	13+81.67	0.00	674.22	674.22
North End of Deck	13+83.25	0.00	674.15	674.15

**INSIDE FACE OF EAST GIRDER**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
South End of Deck	12+00.75	5.00	673.81	673.81
☉ South Abut. Pilaster	12+02.33	5.00	673.88	673.88
A	12+12.33	5.00	674.31	674.32
B	12+22.33	5.00	674.69	674.71
☉ Pier No. 1	12+37.00	5.00	675.17	675.17
C	12+47.00	5.00	675.43	675.44
D	12+57.00	5.00	675.65	675.65
E	12+67.00	5.00	675.82	675.82
☉ Pier No. 2	12+73.00	5.00	675.89	675.89
F	12+82.50	11.57	675.98	675.98
G	12+92.00	13.23	676.02	676.03
H	13+01.50	11.57	676.01	676.02
☉ Pier No. 3	13+11.00	5.00	675.96	675.96
I	13+21.00	5.00	675.87	675.87
J	13+31.00	5.00	675.72	675.72
K	13+41.00	5.00	675.52	675.52
☉ Pier No. 4	13+47.00	5.00	675.38	675.38
L	13+57.00	5.00	675.10	675.11
M	13+67.00	5.00	674.78	674.80
☉ North Abut. Pilaster	13+81.67	5.00	674.22	674.22
North End of Deck	13+83.25	5.00	674.15	674.15



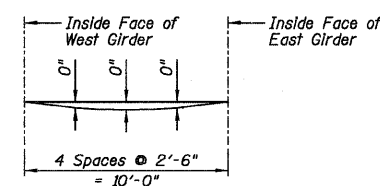
**PLAN**



**GIRDER DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only)

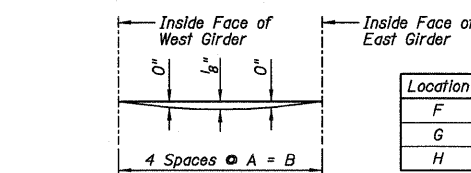
The above deflections are not for use in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection."



**TYPICAL SLAB DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only)

The above deflections are not for use in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection."



**POST-TENSION SLAB DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete and post-tension camber only)

The above deflections are not for use in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection."

**Farnsworth GROUP, INC.**  
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309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED

**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

**TOP OF SLAB ELEVATION LOCATIONS AND ELEVATIONS  
ISLAND PARK NORTH BRIDGE**

SHEET NO. B3 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	12
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				

**WEST EDGE OF PAVEMENT**

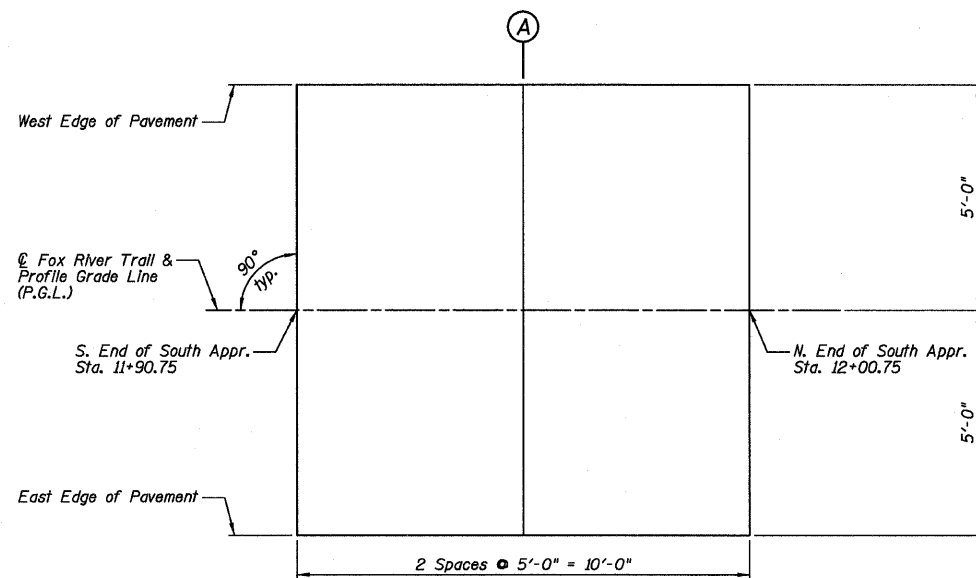
Location	Station	Offset	Theoretical Grade Elevations
S. End of South Appr.	11+90.75	-5.00	673.27
A	11+95.75	-5.00	673.54
N. End of South Appr.	12+00.75	-5.00	673.81

**☉ FOX RIVER TRAIL & PROFILE GRADE LINE (P.G.L.)**

Location	Station	Offset	Theoretical Grade Elevations
S. End of South Appr.	11+90.75	0.00	673.35
A	11+95.75	0.00	673.58
N. End of South Appr.	12+00.75	0.00	673.81

**EAST EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
S. End of South Appr.	11+90.75	5.00	673.27
A	11+95.75	5.00	673.54
N. End of South Appr.	12+00.75	5.00	673.81



**SOUTH APPROACH SLAB PLAN**

**WEST EDGE OF PAVEMENT**

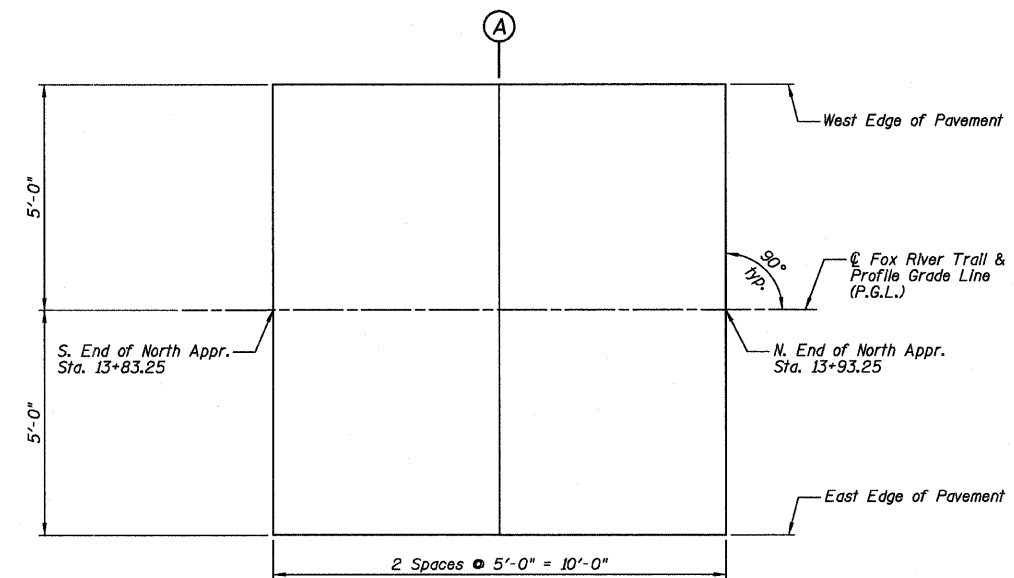
Location	Station	Offset	Theoretical Grade Elevations
S. End of North Appr.	13+83.25	-5.00	674.15
A	13+88.25	-5.00	673.90
N. End of North Appr.	13+93.25	-5.00	673.66

**☉ FOX RIVER TRAIL & PROFILE GRADE LINE (P.G.L.)**

Location	Station	Offset	Theoretical Grade Elevations
S. End of North Appr.	13+83.25	0.00	674.15
A	13+88.25	0.00	673.94
N. End of North Appr.	13+93.25	0.00	673.74

**EAST EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
S. End of North Appr.	13+83.25	5.00	674.15
A	13+88.25	5.00	673.90
N. End of North Appr.	13+93.25	5.00	673.66



**NORTH APPROACH SLAB PLAN**

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
DRAWN - DJM  
DATE - 10/17/11

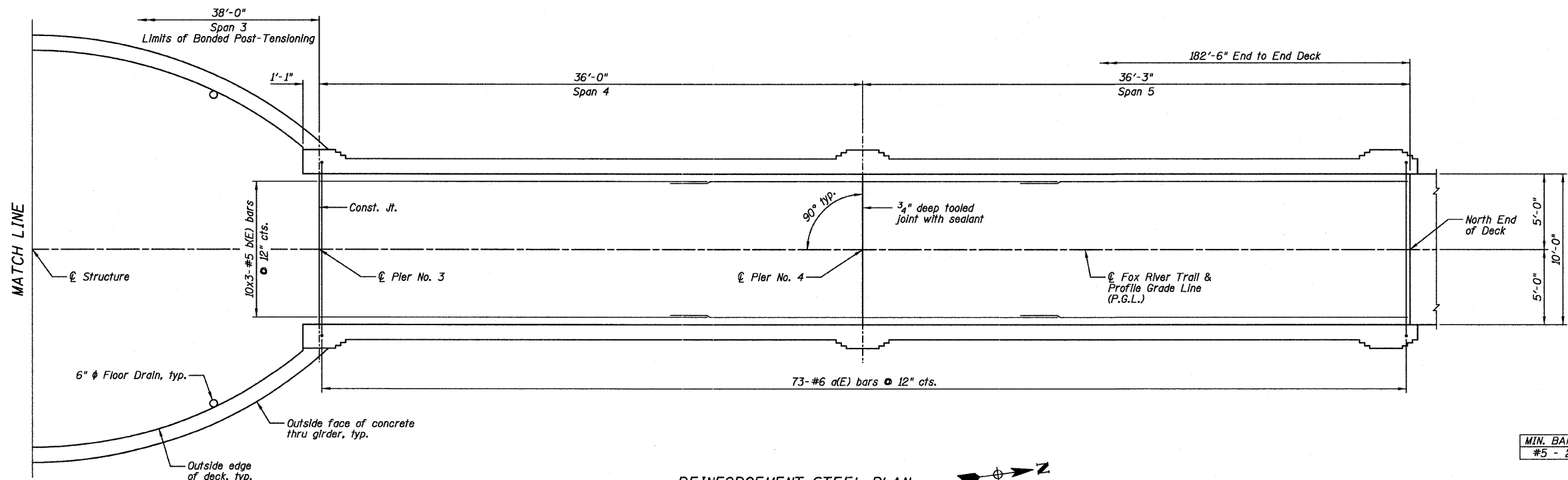
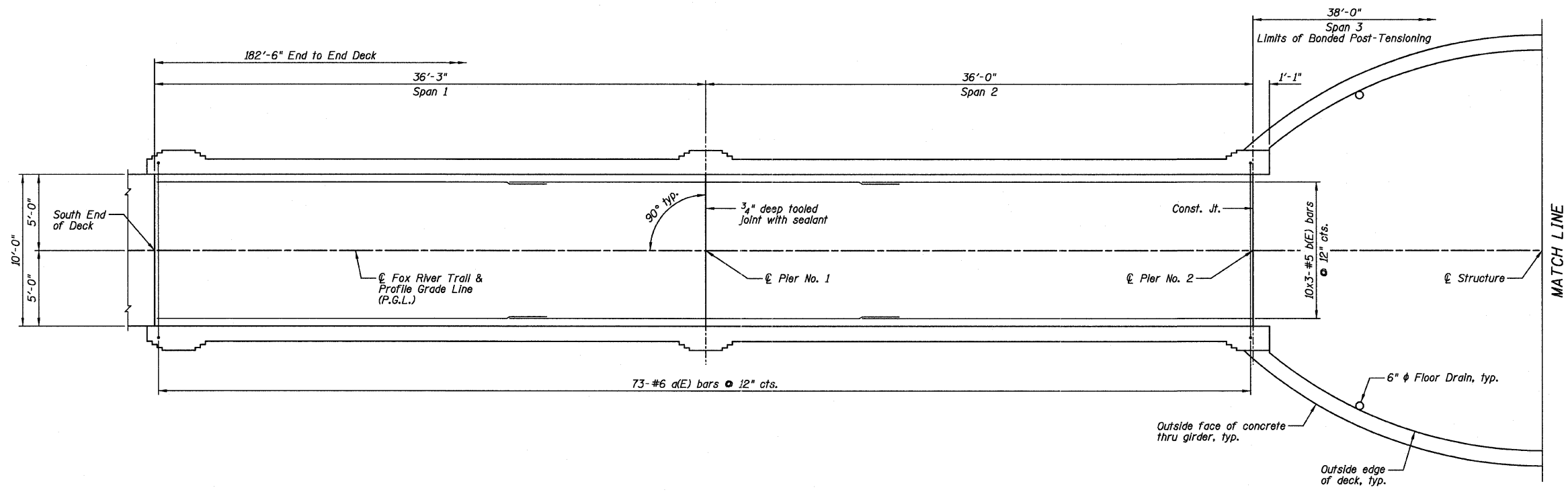
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**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

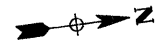
**TOP OF APPROACH SLAB ELEVATIONS  
ISLAND PARK NORTH BRIDGE**

SHEET NO. B4 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	13
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



REINFORCEMENT STEEL PLAN



MIN. BAR LAP  
#5 - 2'-5"

NOTES:

- 1.) See Sheet B14 for Superstructure Details and Bill of Material.
- 2.) Bars Indicated thus 10x3-#5 etc. indicates 10 lines of bars with 3 lengths per line.
- 3.) The cost of the sealant shall be included in the cost of "Concrete Superstructure".

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
DRAWN - DJM  
CHECKED - MSW  
DATE - 10/17/11

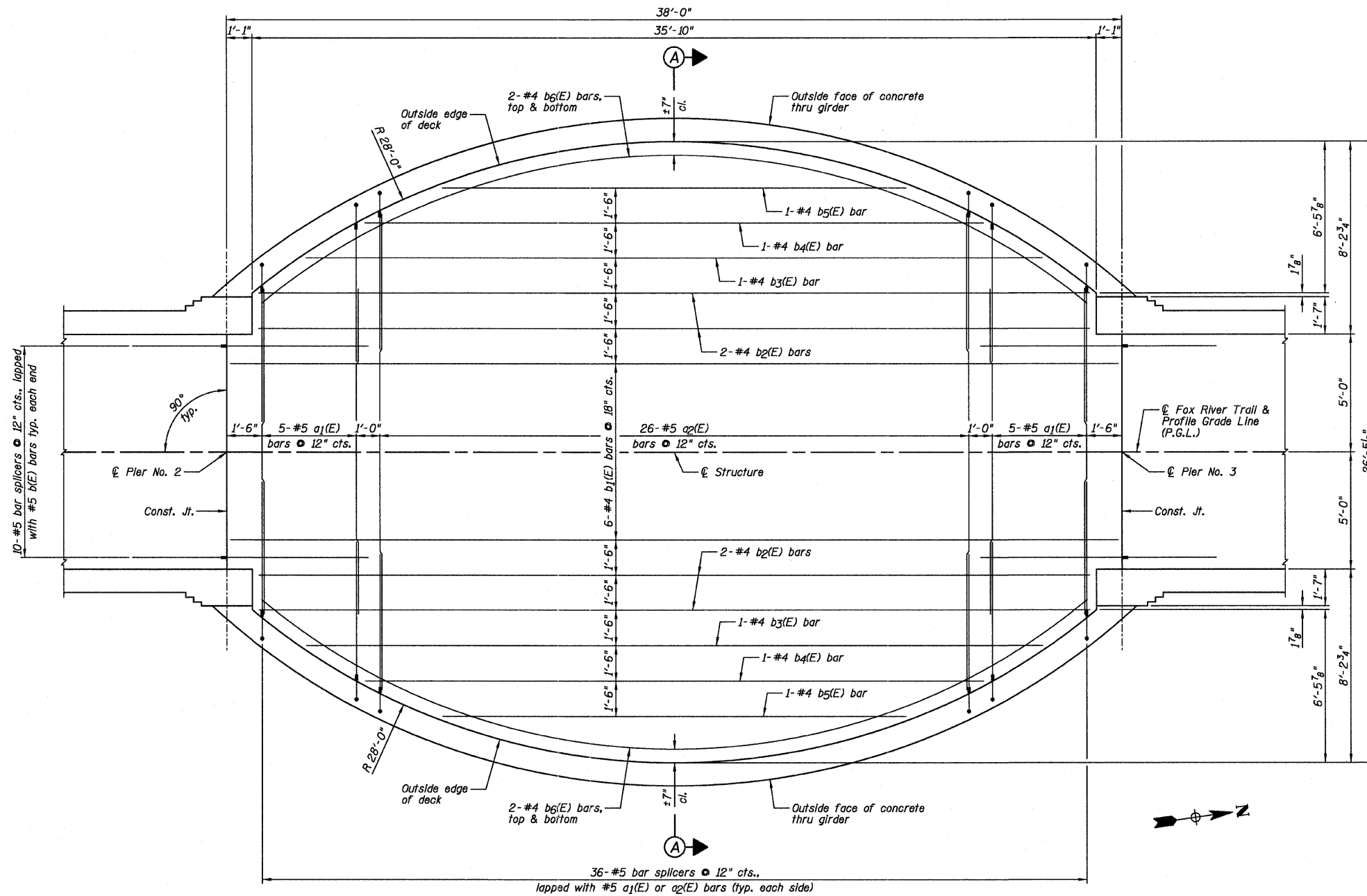
REVISED  
REVISED  
REVISED  
REVISED

GENEVA PARK DISTRICT  
GENEVA, ILLINOIS

SUPERSTRUCTURE DECK  
ISLAND PARK NORTH BRIDGE

SHEET NO. B5 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	14
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



REINFORCEMENT STEEL PLAN

MIN. BAR LAP  
#5 - 2'-7"

NOTES:

- 1.) See Sheet B13 for Section A-A.
- 2.) See Sheet B14 for Superstructure Details and Bill of Material.
- 3.) See Sheet B29 for Bar Splicer Details.

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/693-8435, 309/693-1571 fax

DESIGNED - JML/JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED
DATE - 10/17/11	

**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

**SUPERSTRUCTURE DECK**  
**ISLAND PARK NORTH BRIDGE**

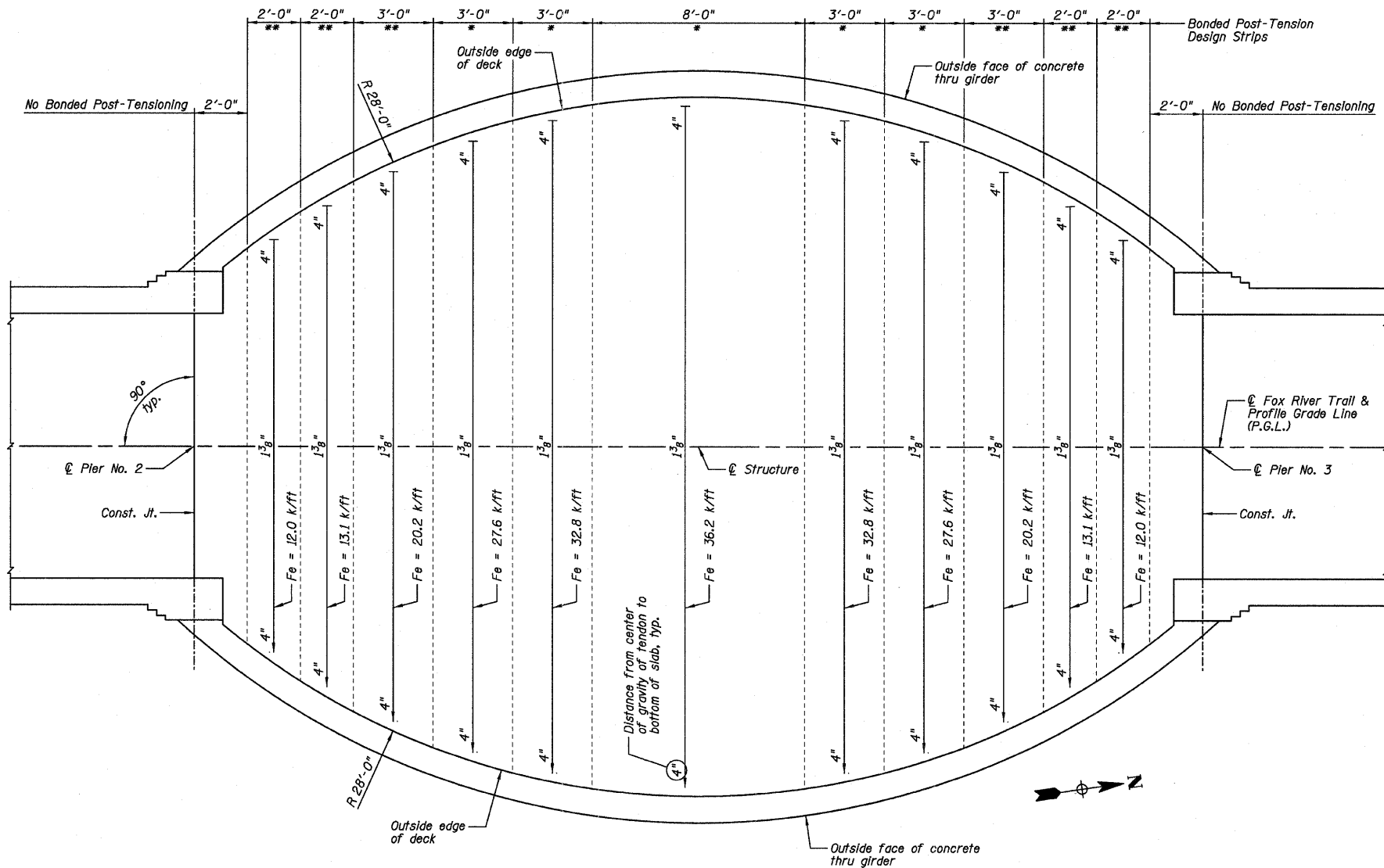
SHEET NO. B6 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	15
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- Fixed-End Anchorage
- Stressing End Anchorage



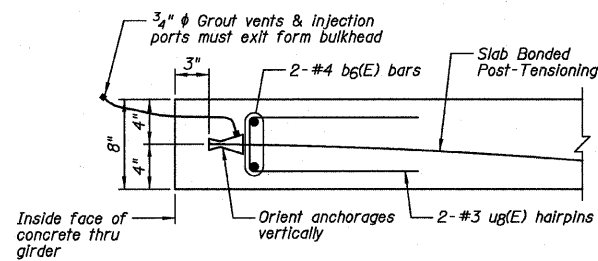
No. Tendons	No. #3 ug(E) hairpin bars
55	220

**BILL OF MATERIAL**

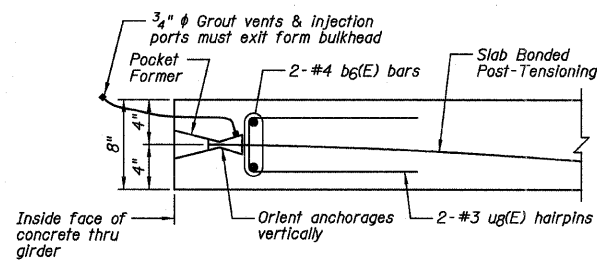
Item	Unit	Quantity
Post-Tensioning System	L. Sum	1

**BONDED POST-TENSIONING PLAN**

- \* Two Bonded Post-Tensioning tendons per foot width.
- \*\* One Bonded Post-Tensioning tendon per foot width.



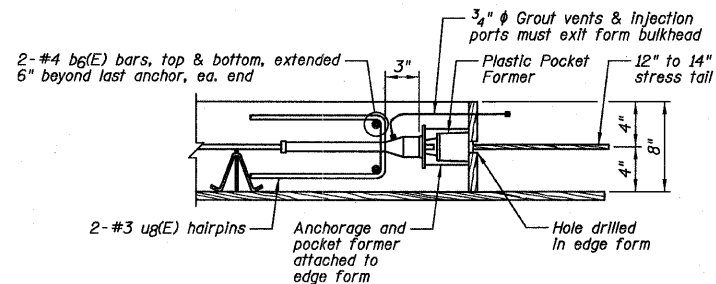
**TYPICAL DEAD-END SLAB DETAIL**



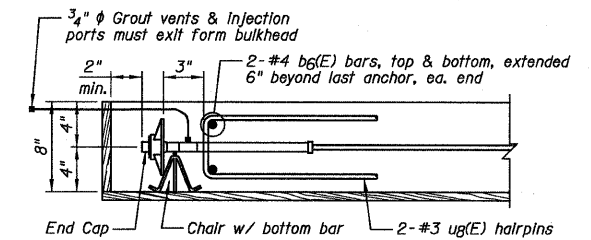
**TYPICAL STRESSING END OF SLAB DETAIL**

**NOTE:**

Cable to be burned off 1/2" behind face of concrete after stressing. Coat anchor with rust preventative mastic before dry packing or concreting.



**STRESSING END ANCHORAGE**



**FIXED-END ANCHORAGE**

**NOTES:**

- 1.) The nominal diameter of the Post-Tensioning tendon shall be 0.6" and the nominal cross-sectional area shall be 0.217 sq. in.
- 2.) Fe denotes Post-Tensioning force.
- 3.) A bonded tendon system shall be used.
- 4.) See Sheet B14 for Superstructure Details and Bill of Material.
- 5.) Bonded single strand at system shall be used and submitted by Contractor for approval.
- 6.) Strand (0.6"  $\phi$ ) shall be placed inside plastic duct prior to concrete placement.
- 7.) After Post-Tensioning tendons are stressed and grouted, cut strand tails as recommended by manufacturer, break grout vents & injection ports flush with surface, and clean pockets. Thru girder forming method should allow for tendon anchor pockets to fill with concrete.

**Farnsworth GROUP, INC.**  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/683-8435, 309/683-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
DRAWN - DJM  
CHECKED - MSW  
DATE - 10/17/11

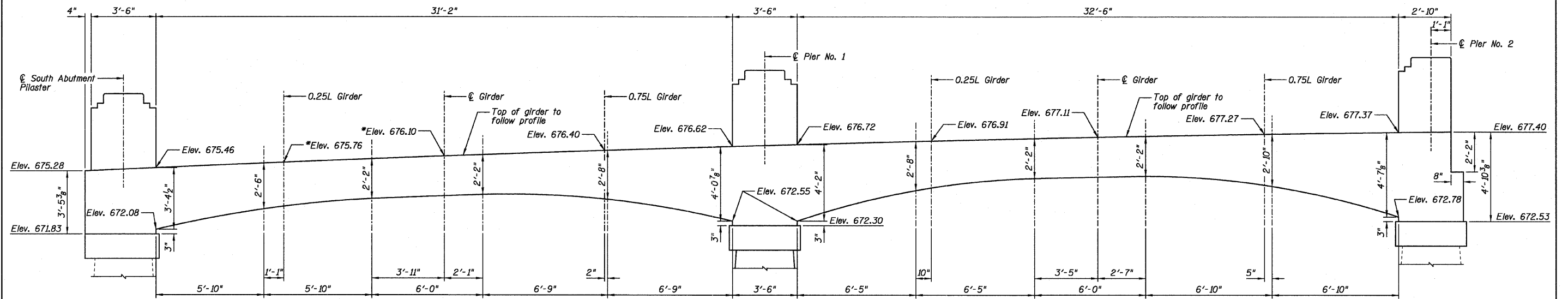
REVISD - DJM 11/07/11  
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**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

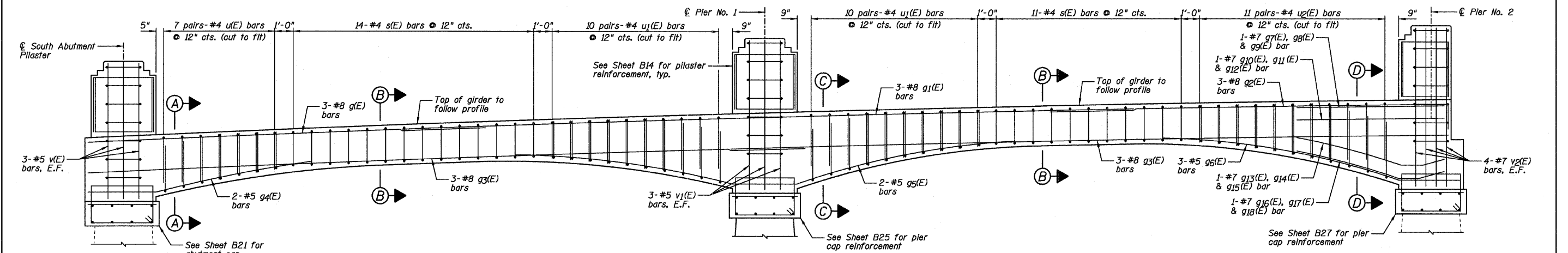
**SUPERSTRUCTURE DECK  
ISLAND PARK NORTH BRIDGE**

SHEET NO. B7 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	16
CONTRACT NO. 63643			ILLINOIS FED. AID PROJECT	



**GIRDER ELEVATION**  
(Showing dimensions)  
\* Elevation adjusted for deadload deflection.



**GIRDER ELEVATION**  
(Showing reinforcement)

MIN. BAR LAP	
#7	5'-10"
#8	4'-0"
* #8	4'-6"

\* Class A top bar

- NOTES:**
- See Sheet B12 for Sections A-A thru D-D.
  - See Sheet B14 for Superstructure Details and Bill of Material.

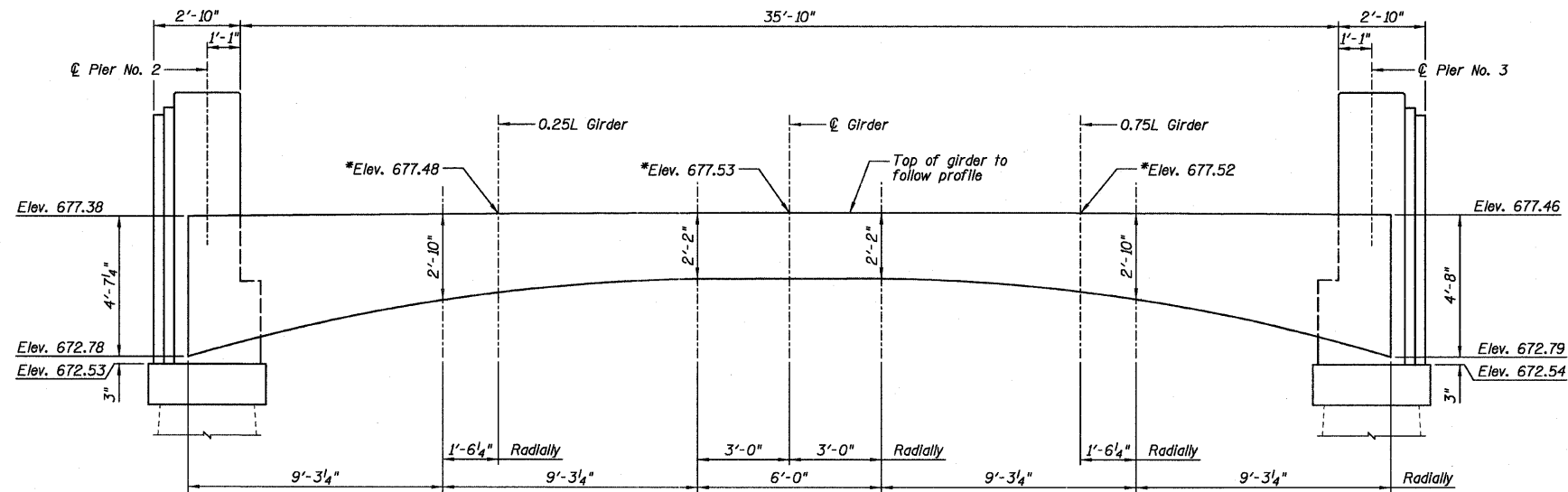
**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED
DATE - 10/17/11	

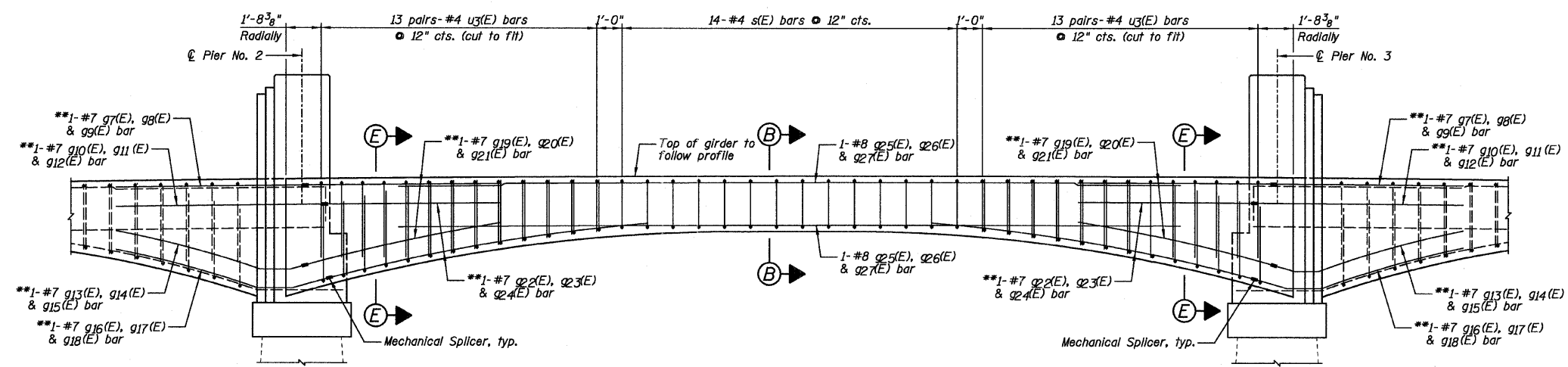
**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

**SUPERSTRUCTURE GIRDERS**  
**ISLAND PARK NORTH BRIDGE**  
SHEET NO. 88 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	17
				CONTRACT NO. 63643
ILLINOIS FED. AID PROJECT				



**GIRDER ELEVATION**  
(Showing dimensions)  
\* Elevation adjusted for deadload deflection.

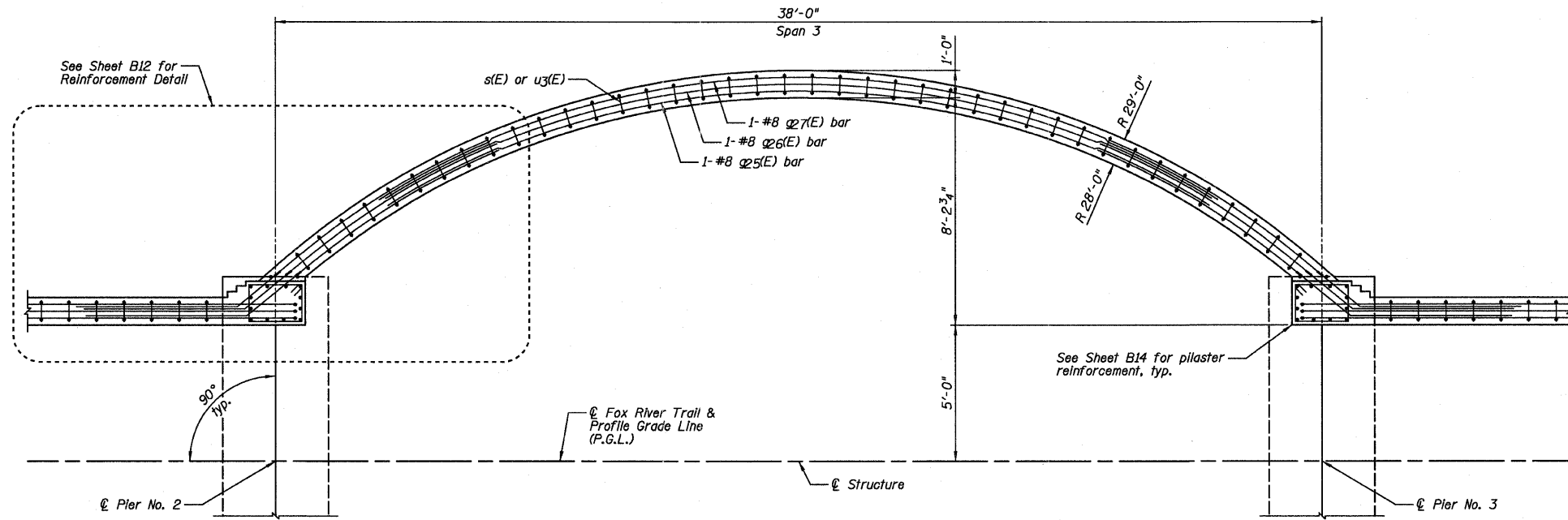


**GIRDER ELEVATION**  
(Showing reinforcement)  
\*\* Reinforcement bars mechanically spliced together.

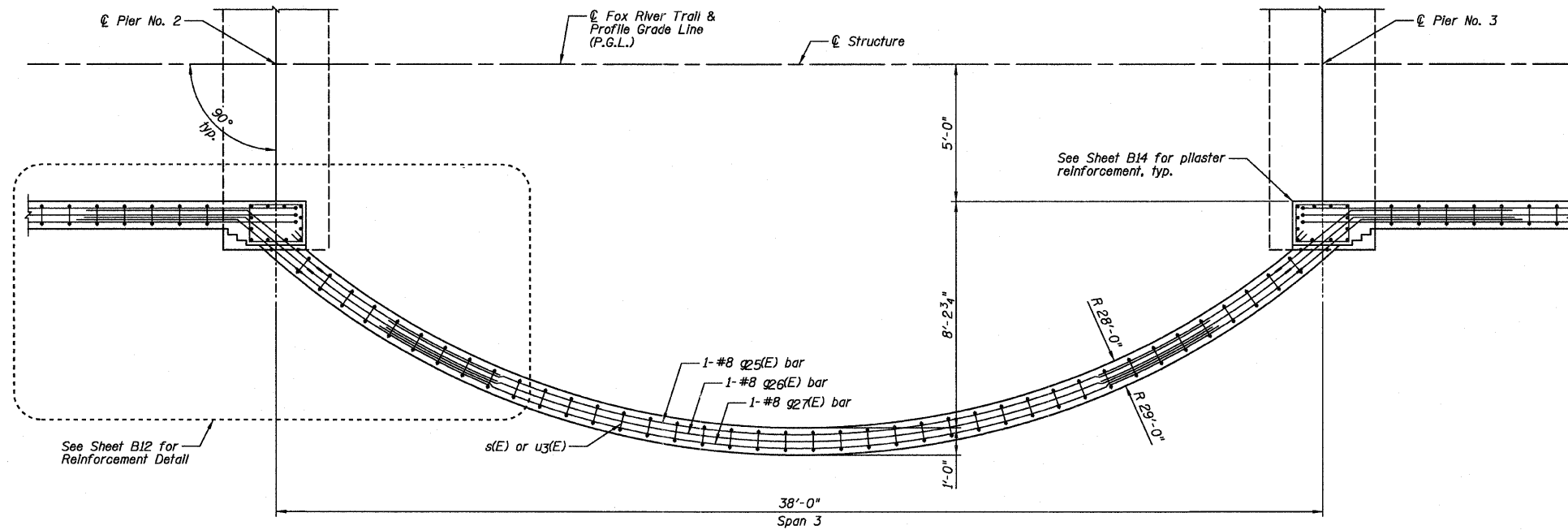
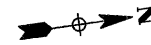
MIN. BAR LAP	
#7	5'-10"
#8	4'-6"

- NOTES:**
- 1.) See Sheet B12 for Sections B-B and E-E.
  - 2.) See Sheet B14 for Superstructure Details and Bill of Material.
  - 3.) See Sheet B29 for Mechanical Splicer Details.

<p>Farnsworth GROUP, INC. 2709 McGraw Drive Bloomington, Illinois 61704 309/663-8435, 309/663-1571 fax</p>	DESIGNED - JML/JCZ	REVISED	<b>GENEVA PARK DISTRICT</b> <b>GENEVA, ILLINOIS</b>	<b>SUPERSTRUCTURE GIRDERS</b> <b>ISLAND PARK NORTH BRIDGE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - JML	REVISED		N/A	06-P4005-00-BR	KANE	42	18		
	DRAWN - DJM	REVISED		SHEET NO. B9 OF 31 SHEETS			CONTRACT NO. 63643			
	DATE - 10/17/11	CHECKED - MSW		REVISED	ILLINOIS FED. AID PROJECT					



**GIRDER PLAN**  
(Showing upper reinforcement)



**GIRDER PLAN**  
(Showing lower reinforcement)



MIN. BAR LAP  
#8 - 4'-6"

**NOTE:**

See Sheet B14 for Superstructure Details and Bill of Material.

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
DRAWN - DJM  
DATE - 10/17/11

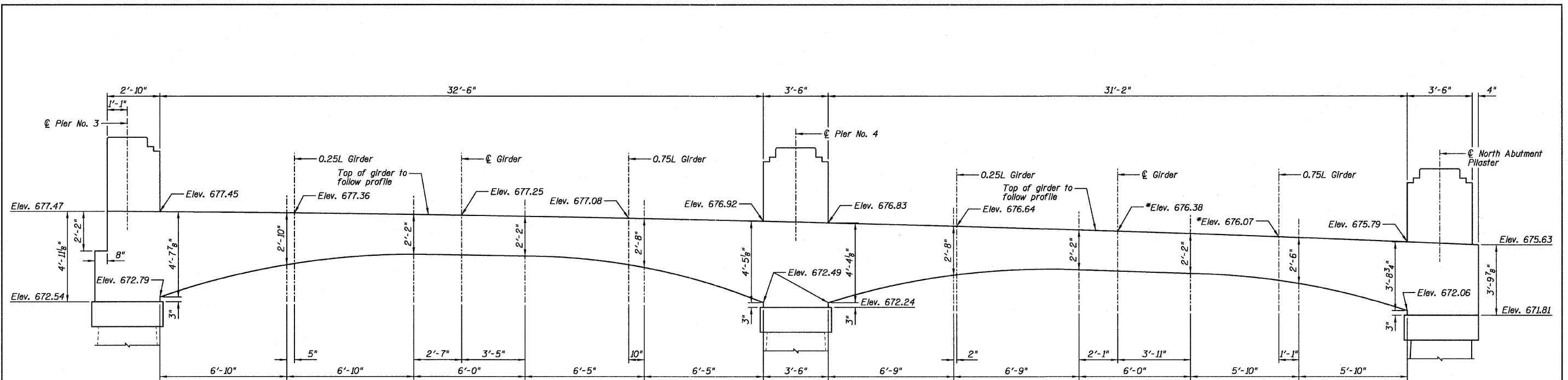
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**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

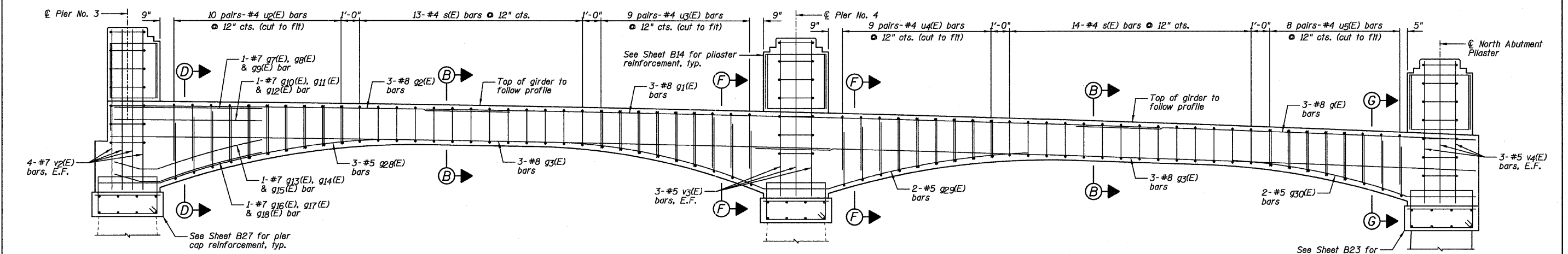
**SUPERSTRUCTURE GIRDERS**  
**ISLAND PARK NORTH BRIDGE**

SHEET NO. B10 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	19
				CONTRACT NO. 63643
ILLINOIS FED. AID PROJECT				



**GIRDER ELEVATION**  
 (Showing dimensions)  
 \* Elevation adjusted for deadload deflection.

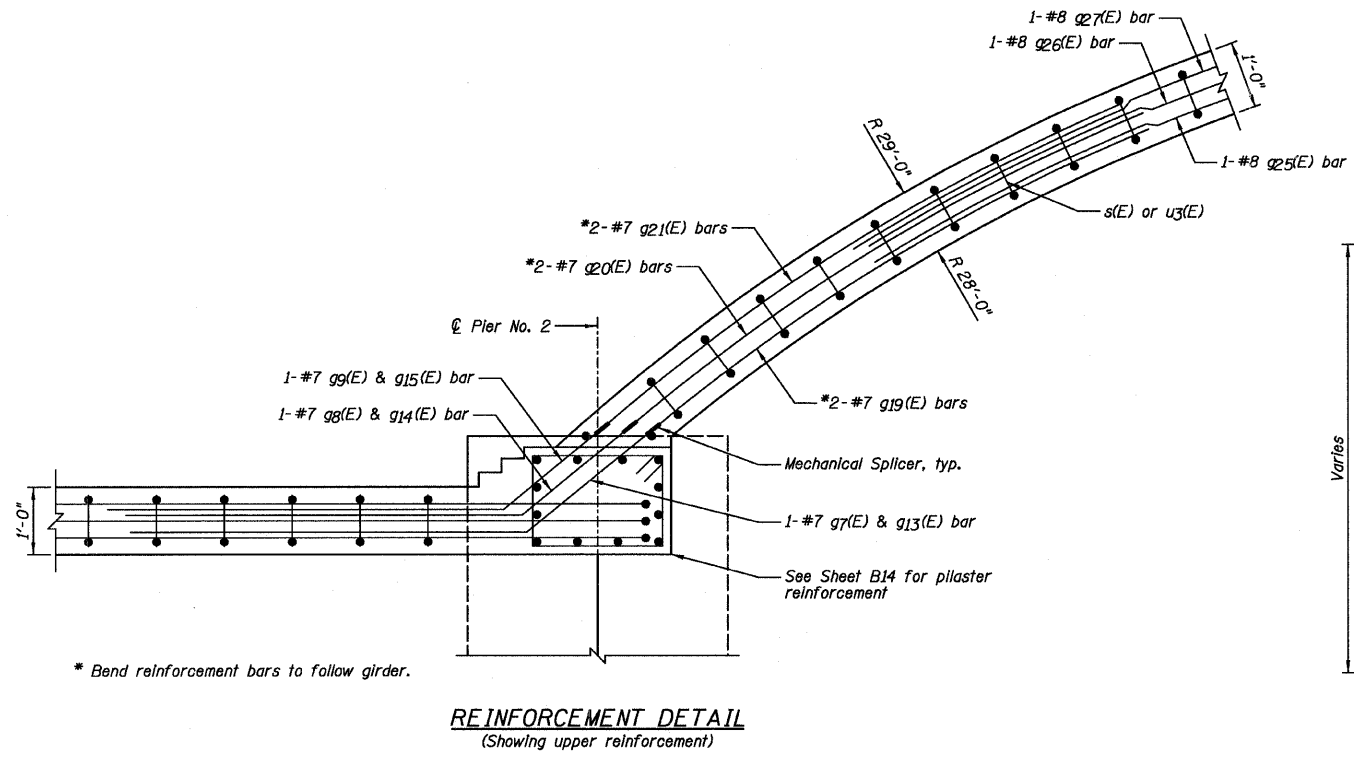


**GIRDER ELEVATION**  
 (Showing reinforcement)

MIN. BAR LAP
#7 - 5'-10"
#8 - 4'-0"
* #8 - 4'-6"
* Class A top bar

- NOTES:**
- 1.) See Sheet B12 for Sections B-B, D-D, F-F and G-G.
  - 2.) See Sheet B14 for Superstructure Details and Bill of Material.

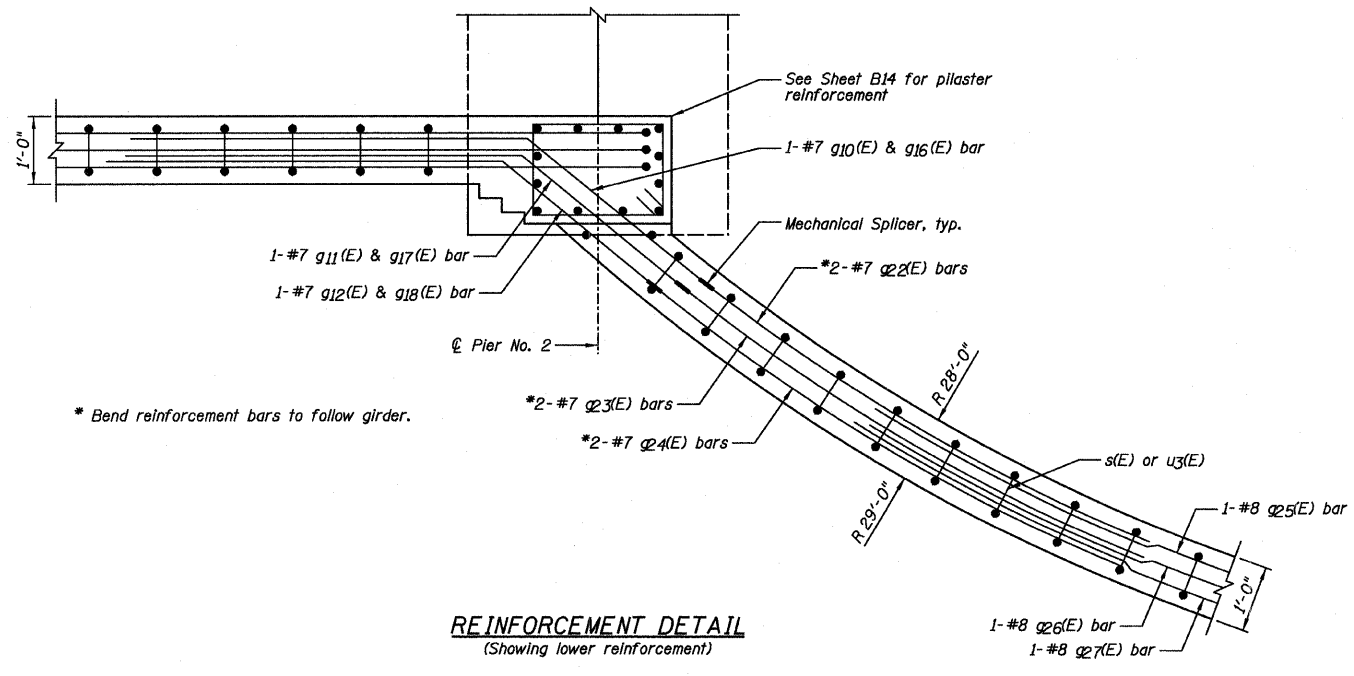
<b>Farnsworth</b> GROUP, INC. 2709 McGraw Drive Bloomington, Illinois 61704 309/693-8435, 309/693-1971 fax	DESIGNED - JML/JCZ	REVISED	<b>GENEVA PARK DISTRICT</b> <b>GENEVA, ILLINOIS</b>	<b>SUPERSTRUCTURE GIRDERS</b> <b>ISLAND PARK NORTH BRIDGE</b> SHEET NO. B11 OF 31 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - JML	REVISED			N/A	06-P4005-00-BR	KANE	42	20
	DRAWN - DJM	REVISED			CONTRACT NO. 63643				
	DATE - 10/17/11	CHECKED - MSW			REVISED	ILLINOIS FED. AID PROJECT			



\* Bend reinforcement bars to follow girder.

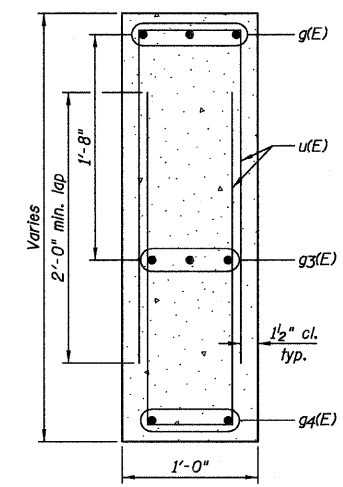
**REINFORCEMENT DETAIL**  
(Showing upper reinforcement)

MIN. BAR LAP	
#7	5'-10"
#8	4'-6"

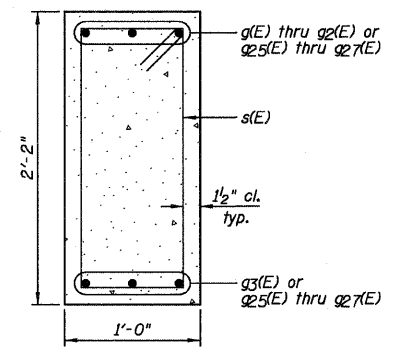


\* Bend reinforcement bars to follow girder.

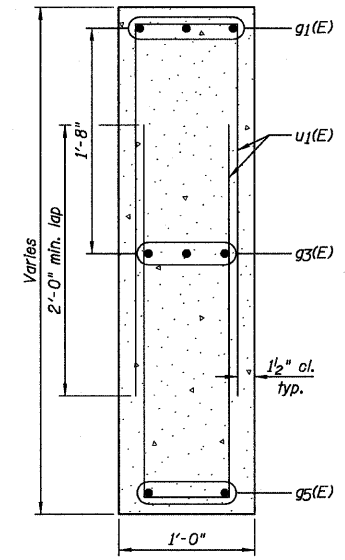
**REINFORCEMENT DETAIL**  
(Showing lower reinforcement)



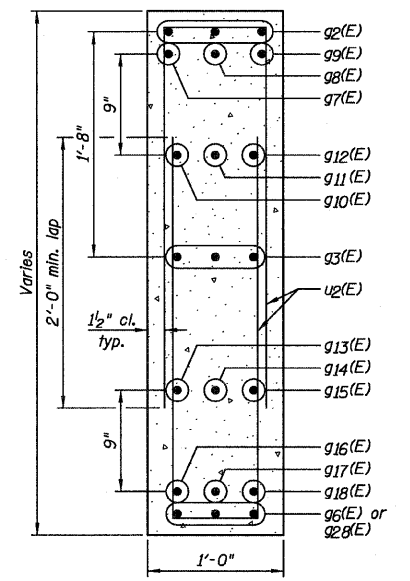
**SECTION A-A**



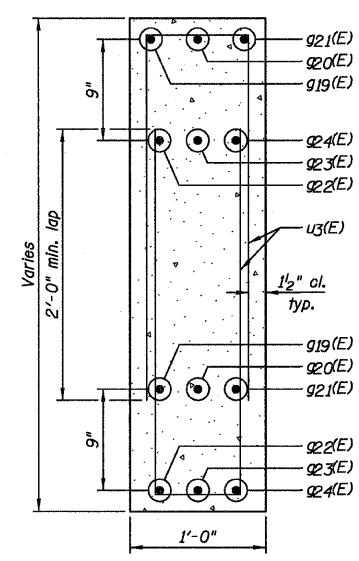
**SECTION B-B**



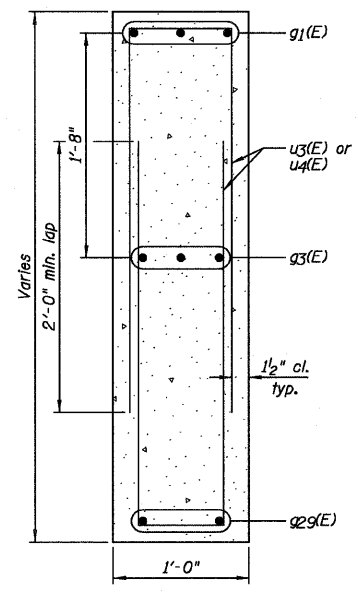
**SECTION C-C**



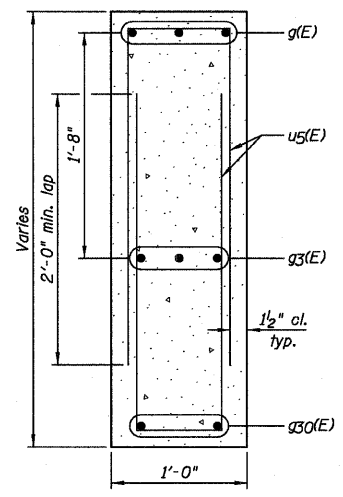
**SECTION D-D**



**SECTION E-E**



**SECTION F-F**



**SECTION G-G**

**NOTES:**

- 1.) See Sheets B8, B9 and B11 for locations of Sections A-A thru G-G.
- 2.) See Sheet B14 for Superstructure Details and Bill of Material.
- 3.) See Sheet B29 for Mechanical Splicer Details.



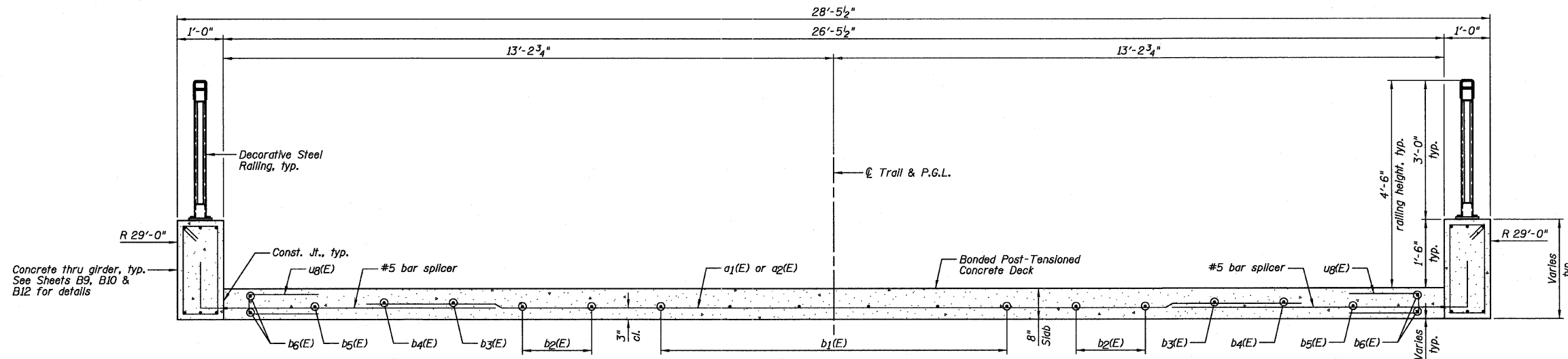
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CHECKED - JML	REVISOR
DRAWN - DJM	REVISOR
CHECKED - MSW	REVISOR
DATE - 10/17/11	

**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

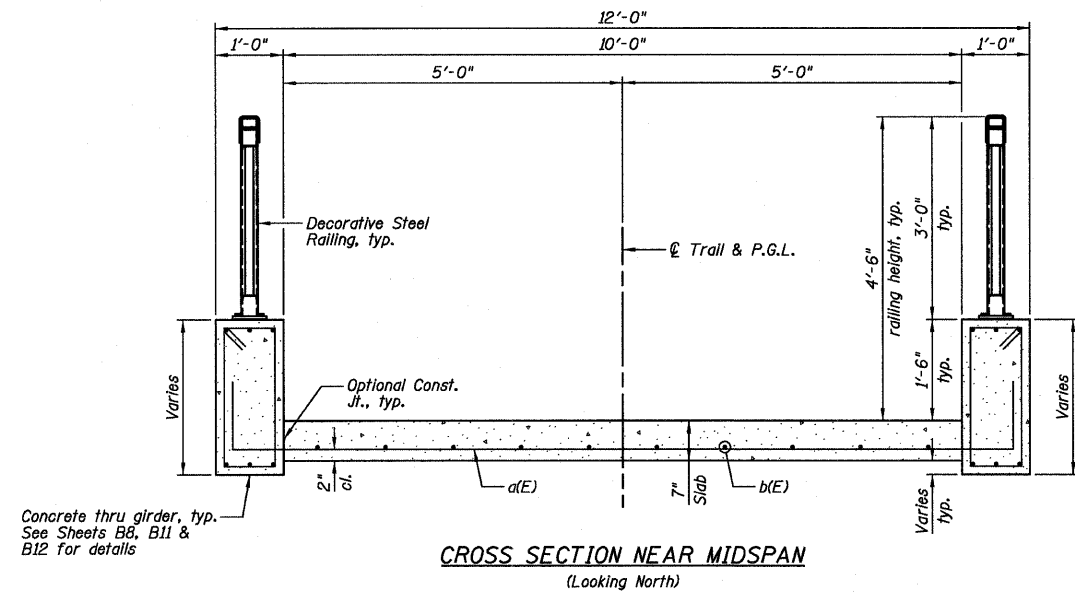
**SUPERSTRUCTURE GIRDERS  
ISLAND PARK NORTH BRIDGE**

SHEET NO. B12 OF 31 SHEETS

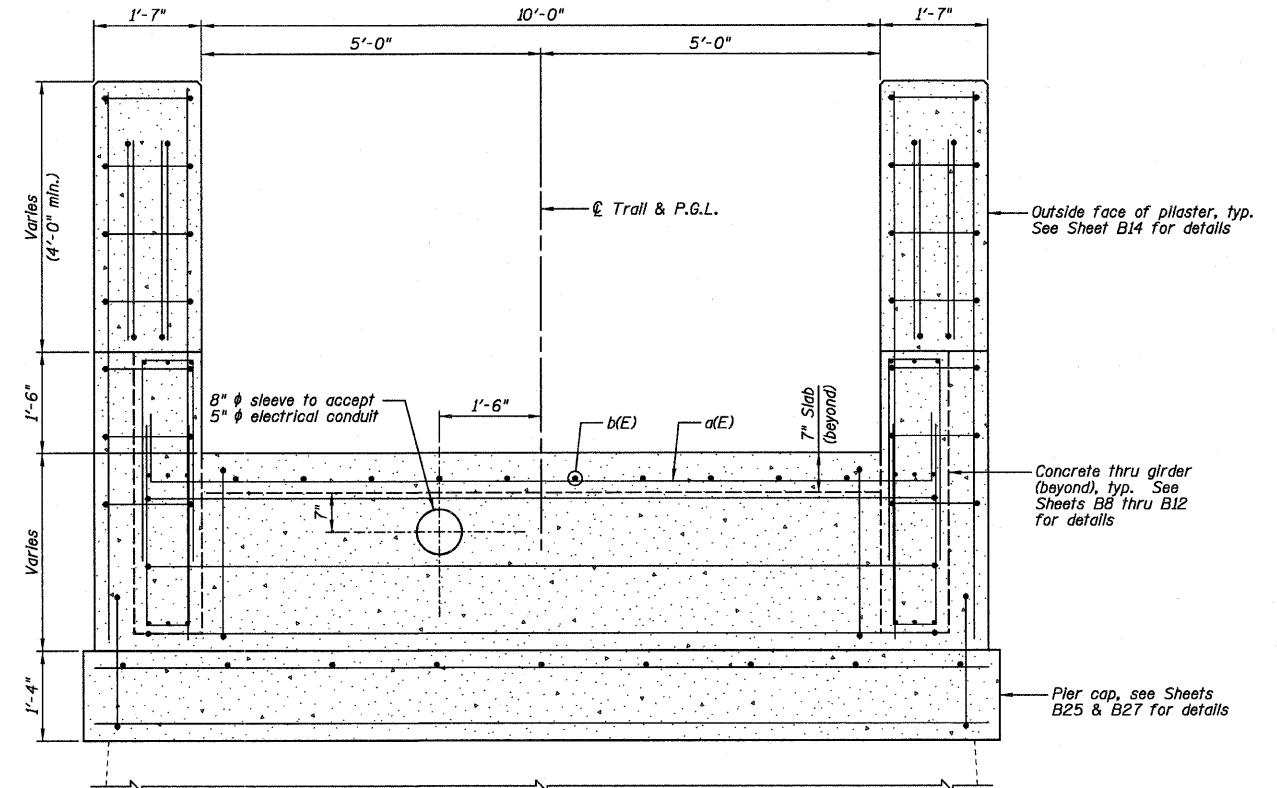
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	21
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



**CROSS SECTION OF BRIDGE**  
(Looking North)  
(Post-Tensioning not shown for clarity.)



**CROSS SECTION NEAR MIDSPAN**  
(Looking North)



**TYPICAL CROSS SECTION OF PIER**  
(Looking North)

**NOTES:**

- 1.) See Sheet B14 for Superstructure Details and Bill of Material.
- 2.) See Sheet B29 for Bar Splicer Details.
- 3.) 5" electrical conduit to be grouted by others after installation is complete.
- 4.) After Post-Tensioning tendons are stressed and grouted, cut strand tails as recommended by manufacturer, break grout vents & injection ports flush with surface, and clean pockets. Thru girder forming method should allow for tendon anchor pockets to fill with concrete.

**Farnsworth**  
GROUP, INC.  
2709 McSweeney Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

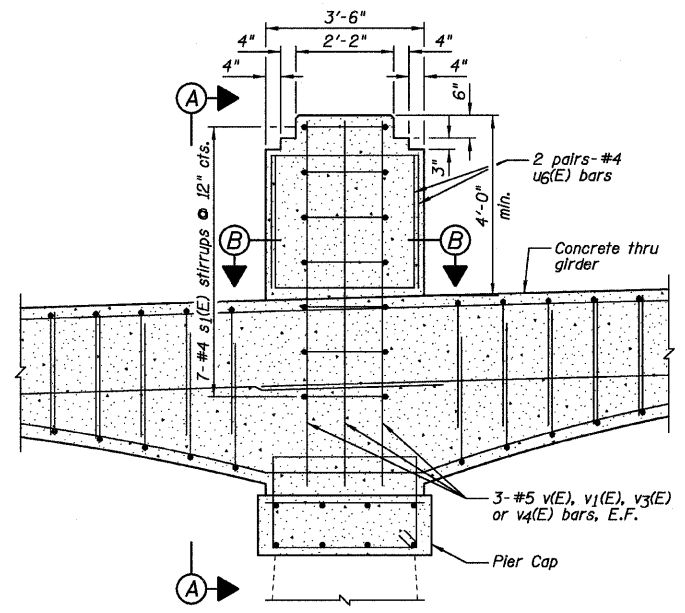
DESIGNED - JML/JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED
DATE - 10/17/11	

**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

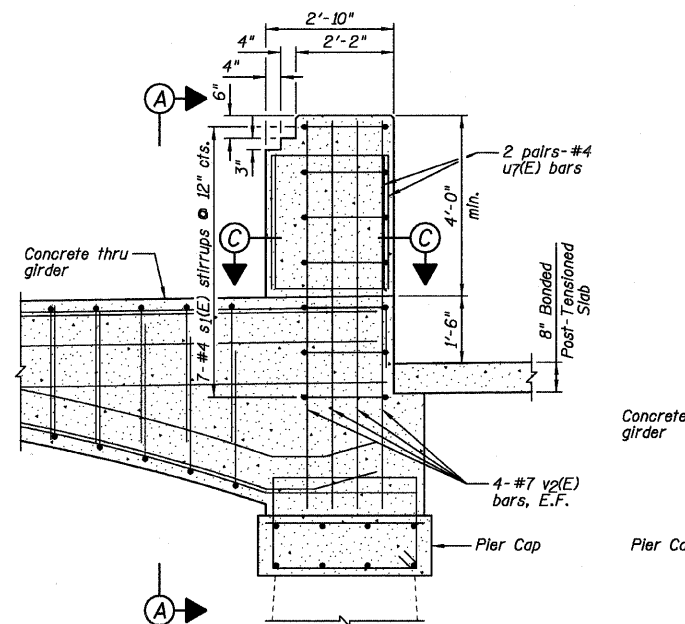
**SUPERSTRUCTURE CROSS SECTIONS**  
**ISLAND PARK NORTH BRIDGE**

SHEET NO. B13 OF 31 SHEETS

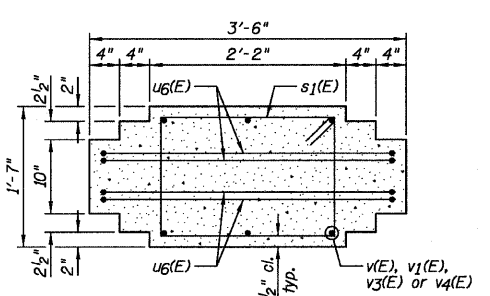
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	22
CONTRACT NO. 63643			ILLINOIS FED. AID PROJECT	



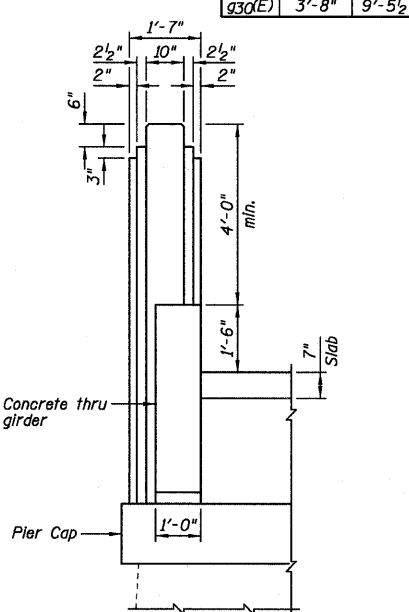
TYPICAL SECTION THRU PILASTER



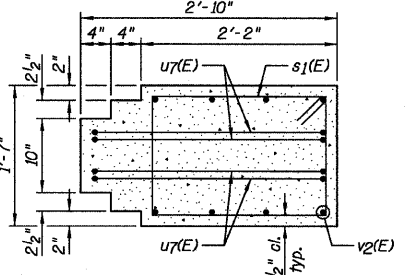
SECTION THRU PILASTER  
PIER NO. 2 AND PIER NO. 3



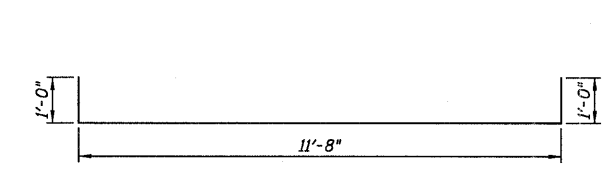
SECTION B-B



SECTION A-A



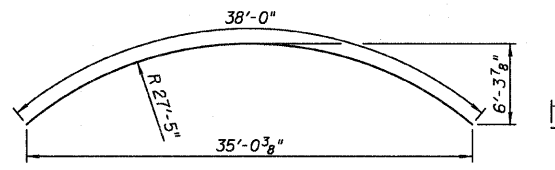
SECTION C-C



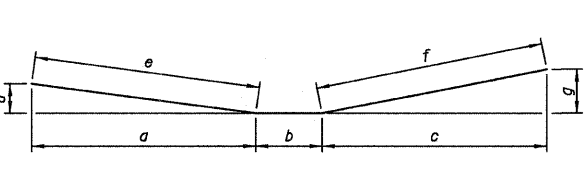
a(E) BAR

q (E) BARS

Bar	a	b	c	d
q4(E)	3'-8"	8'-5"	1'-8 1/2"	8'-7"
q6(E)	3'-4"	12'-9 5/8"	2'-3 3/8"	13'-0"
q7(E)	5'-10"	2'-0"	1'-7 1/2"	2'-7"
q8(E)	5'-10"	1'-8 1/2"	1'-4 1/2"	2'-2"
q9(E)	5'-10"	1'-4 1/4"	1'-3 3/8"	1'-9"
q10(E)	5'-10"	2'-8 7/8"	2'-2 3/4"	3'-7"
q11(E)	5'-10"	2'-5 5/8"	2'-0 1/4"	3'-2"
q12(E)	5'-10"	2'-1 5/8"	1'-9 1/2"	2'-9"
q28(E)	3'-4"	11'-9 1/8"	2'-4 3/8"	12'-0"
q30(E)	3'-8"	9'-5 1/2"	1'-11 3/4"	9'-8"

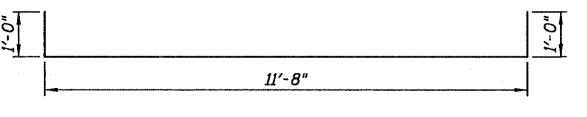


b6(E) BAR

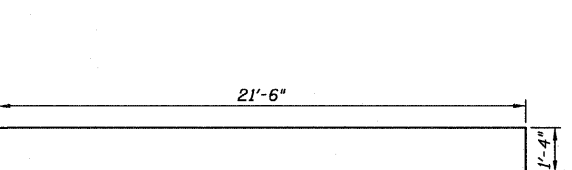


q (E) BARS

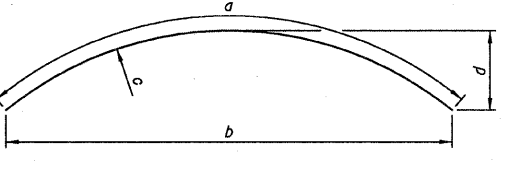
Bar	a	b	c	d	e	f	g
q5(E)	11'-8 3/4"	3'-6"	11'-9 1/4"	1'-6 7/8"	11'-10"	12'-0"	2'-4"
q29(E)	10'-9"	3'-6"	10'-9"	2'-5 1/8"	11'-0"	11'-0"	1'-11 5/8"



m(E) BAR

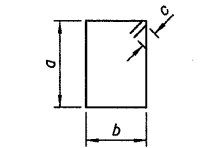


q2(E) BAR



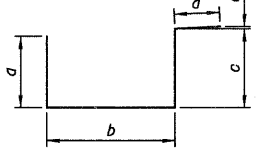
q (E) BARS

Bar	a	b	c (radius)	d
q25(E)	31'-4"	29'-9"	28'-3"	4'-2 3/4"
q26(E)	31'-6"	29'-11"	28'-6"	4'-2 1/8"
q27(E)	32'-2"	30'-6 1/2"	28'-9"	4'-4 5/8"



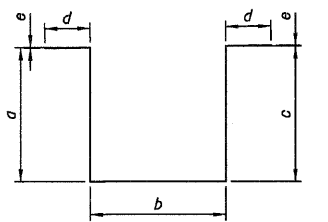
s (E) BARS

Bar	a	b	c
s(E)	1'-11"	9"	4 1/2"
s1(E)	1'-11"	1'-4"	4 1/2"



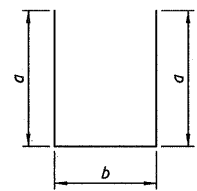
s (E) BARS

Bar	a	b	c	d	e
s2(E)	1'-7"	2'-10"	1'-9"	1'-0"	1/2"
s3(E)	1'-11"	2'-10"	2'-1"	1'-0"	1/2"



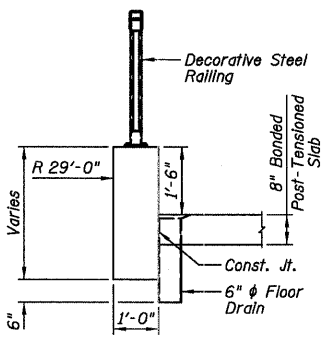
s (E) BARS

Bar	a	b	c	d	e
s4(E)	2'-5 1/2"	3'-0"	2'-6 1/2"	1'-0"	3/8"
s5(E)	2'-11"	3'-0"	3'-0"	1'-0"	1/2"
s6(E)	3'-0"	3'-0"	3'-0"	1'-0"	1/2"
s7(E)	2'-8 1/2"	3'-0"	2'-9 1/2"	1'-0"	1/4"

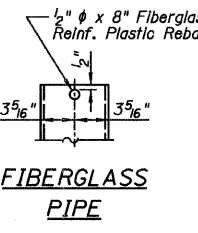


u (E) BARS

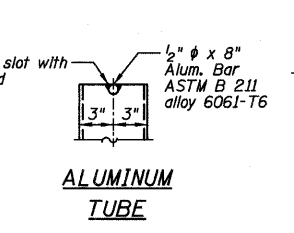
Bar	a	b
u(E)	2'-6"	9"
u1(E)	2'-10"	9"
u2(E)	3'-1"	9"
u3(E)	3'-0"	9"
u4(E)	2'-11"	9"
u5(E)	2'-9"	9"
u6(E)	3'-0"	3'-3"
u7(E)	3'-0"	2'-6"
u8(E)	1'-6"	5"



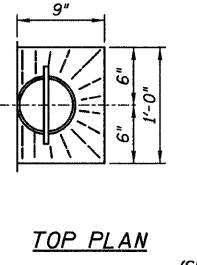
FLOOR DRAIN DETAIL



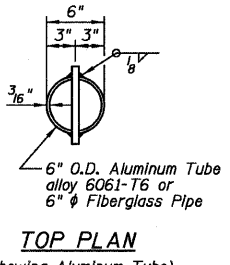
FIBERGLASS PIPE



ALUMINUM TUBE



TOP PLAN



TOP PLAN  
(Showing Aluminum Tube)

SUPERSTRUCTURE  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	146	#6	13'-8"	
a1(E)	10	#5	13'-10"	
a2(E)	26	#5	20'-3"	
b(E)	60	#5	25'-8"	
b1(E)	6	#4	37'-8"	
b2(E)	4	#4	35'-6"	
b3(E)	2	#4	31'-3"	
b4(E)	2	#4	26'-3"	
b5(E)	2	#4	19'-8"	
b6(E)	4	#4	38'-0"	
q(E)	12	#8	21'-6"	
q1(E)	12	#8	39'-6"	
q2(E)	12	#8	22'-10"	
q3(E)	24	#8	38'-9"	
q4(E)	4	#5	12'-3"	
q5(E)	4	#5	27'-4"	
q6(E)	6	#5	16'-4"	
q7(E)	4	#7	8'-5"	
q8(E)	4	#7	8'-0"	
q9(E)	4	#7	7'-7"	
q10(E)	4	#7	9'-5"	
q11(E)	4	#7	9'-0"	
q12(E)	4	#7	8'-7"	
q13(E)	4	#7	8'-7"	
q14(E)	4	#7	8'-3"	
q15(E)	4	#7	8'-1"	
q16(E)	4	#7	9'-5"	
q17(E)	4	#7	9'-0"	
q18(E)	4	#7	8'-10"	
q19(E)	8	#7	8'-7"	
q20(E)	8	#7	8'-11"	
q21(E)	8	#7	9'-1"	
q22(E)	8	#7	7'-7"	
q23(E)	8	#7	7'-11"	
q24(E)	8	#7	8'-1"	
q25(E)	4	#8	31'-4"	
q26(E)	4	#8	31'-6"	
q27(E)	4	#8	32'-2"	
q28(E)	6	#5	15'-4"	
q29(E)	4	#5	25'-6"	
q30(E)	4	#5	13'-4"	
m(E)	38	#6	13'-8"	
s(E)	132	#4	6'-1"	
s1(E)	84	#4	7'-3"	
s2(E)	7	#5	7'-2"	
s3(E)	7	#5	7'-10"	
s4(E)	7	#5	10'-0"	
s5(E)	7	#5	10'-11"	
s6(E)	7	#5	11'-0"	
s7(E)	7	#5	10'-6"	
u(E)	28	#4	5'-9"	
u1(E)	80	#4	6'-5"	
u2(E)	84	#4	6'-11"	
u3(E)	140	#4	6'-9"	
u4(E)	36	#4	6'-7"	
u5(E)	32	#4	6'-3"	
u6(E)	32	#4	9'-3"	
u7(E)	16	#4	8'-6"	
u8(E)	220	#3	3'-5"	
v(E)	12	#5	7'-4"	
v1(E)	12	#5	8'-1"	
v2(E)	32	#7	8'-7"	
v3(E)	12	#5	8'-5"	
v4(E)	12	#5	7'-8"	
Item	Unit	Quantity		
Concrete Superstructure	Cu. Yd.	121.5		
Reinforcement Bars, Epoxy Coated	Pound	19,530		

\* Additional length provided to allow for the curvature of girder. Cut and bend in field as required.

Farnsworth GROUP, INC.  
2708 McQuinn Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
DRAWN - DJM  
CHECKED - MSW  
DATE - 10/17/11

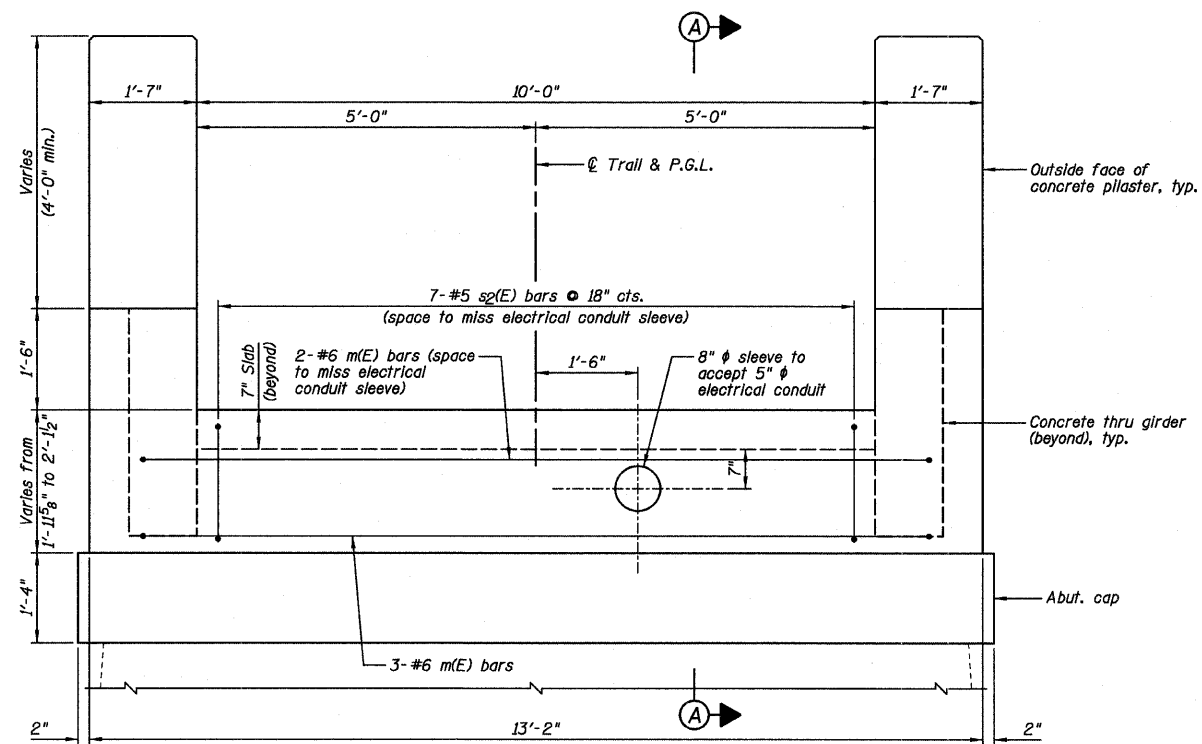
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GENEVA, ILLINOIS

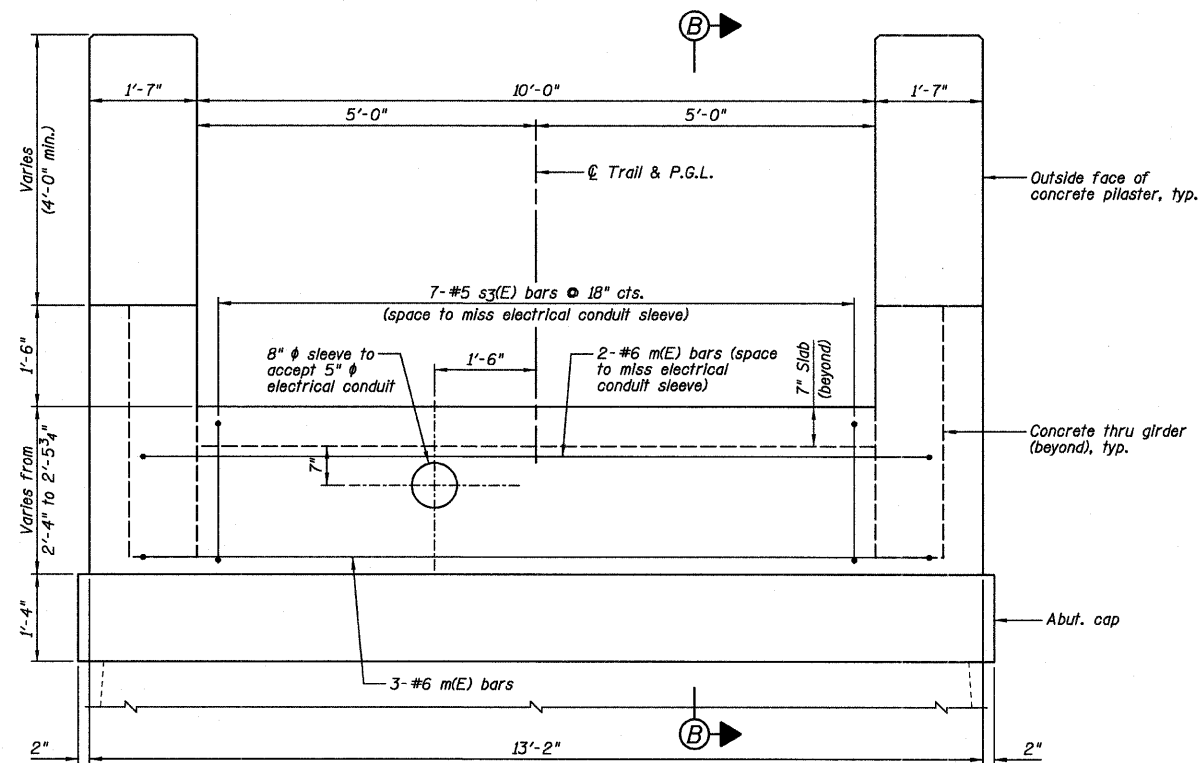
SUPERSTRUCTURE DETAILS  
ISLAND PARK NORTH BRIDGE  
SHEET NO. B14 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	23
				CONTRACT NO. 63643
ILLINOIS FED. AID PROJECT				

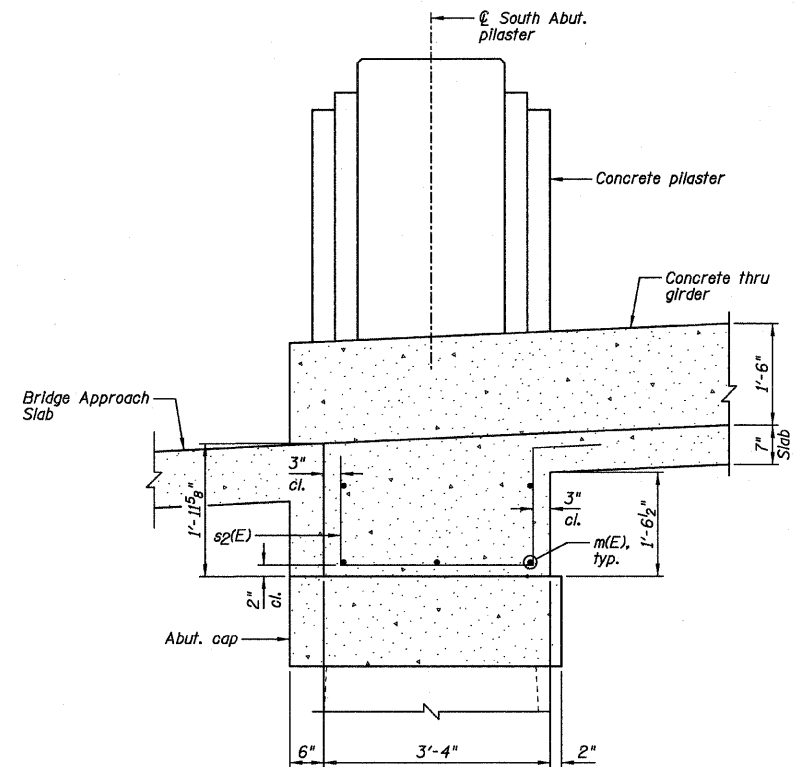




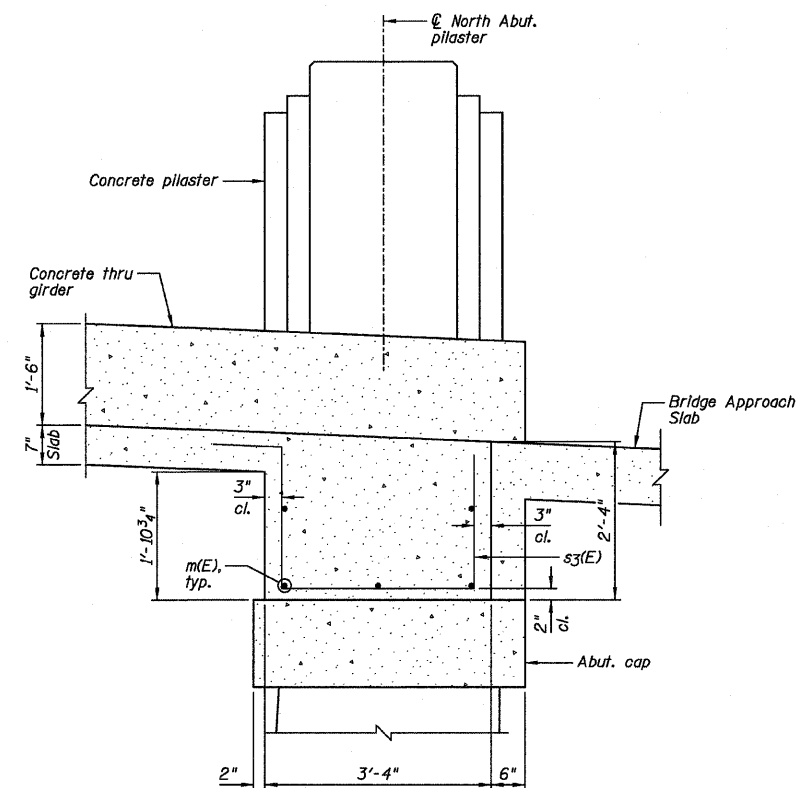
**DIAPHRAGM @ SOUTH ABUTMENT**  
 (Looking South)  
 (Slab reinforcement not shown for clarity.)



**DIAPHRAGM @ NORTH ABUTMENT**  
 (Looking North)  
 (Slab reinforcement not shown for clarity.)



**SECTION A-A**  
 Slab reinforcement not shown for clarity.



**SECTION B-B**  
 Slab reinforcement not shown for clarity.

**NOTES:**

- 1.) See Sheet B14 for Superstructure Details and Bill of Material.
- 2.) 5" electrical conduit to be grouted by others after installation is complete.

**Farnsworth**  
 GROUP, INC.  
 2709 McGraw Drive  
 Bloomington, Illinois 61704  
 309/663-8435, 309/693-1571 fax

DESIGNED - JML/JCZ  
 CHECKED - JML  
 DRAWN - DJM  
 CHECKED - MSW  
 DATE - 10/17/11

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 REVISED  
 REVISED

**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

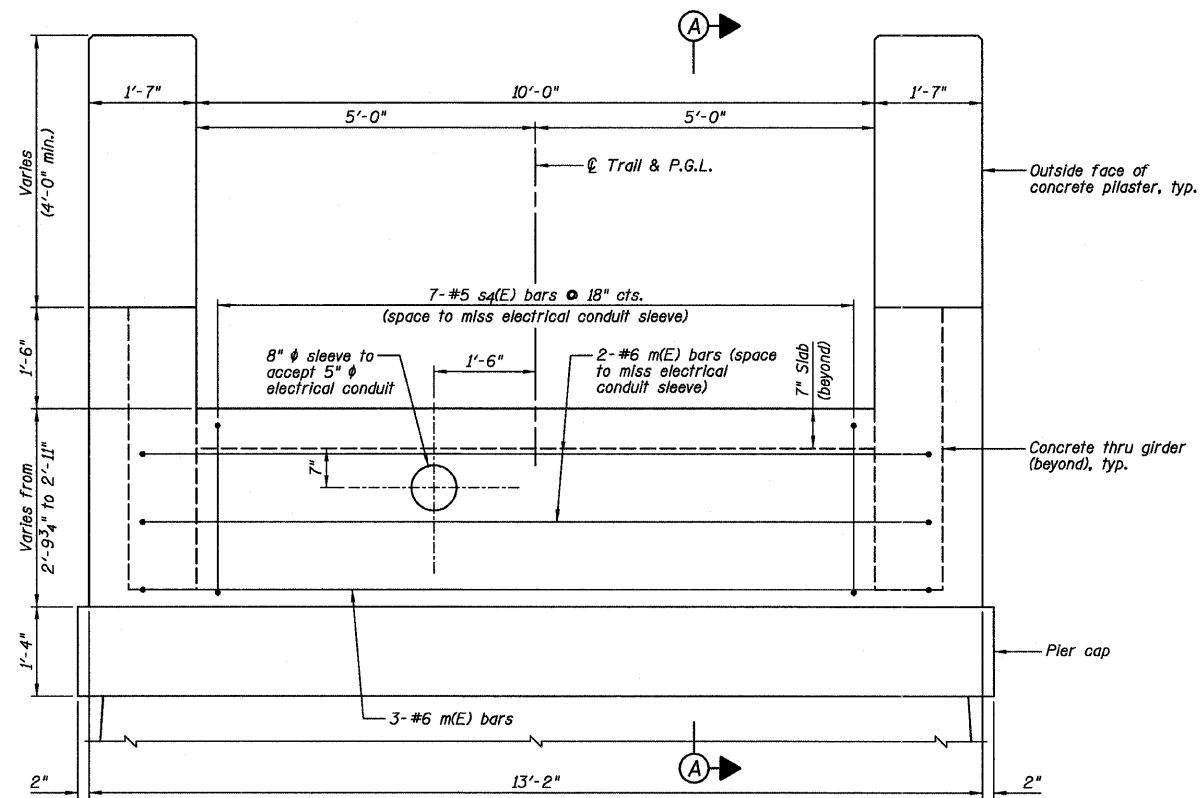
Post-Tensioned  
 tendons

**DIAPHRAGM DETAILS**  
**ISLAND PARK NORTH BRIDGE**

SHEET NO. B15 OF 31 SHEETS

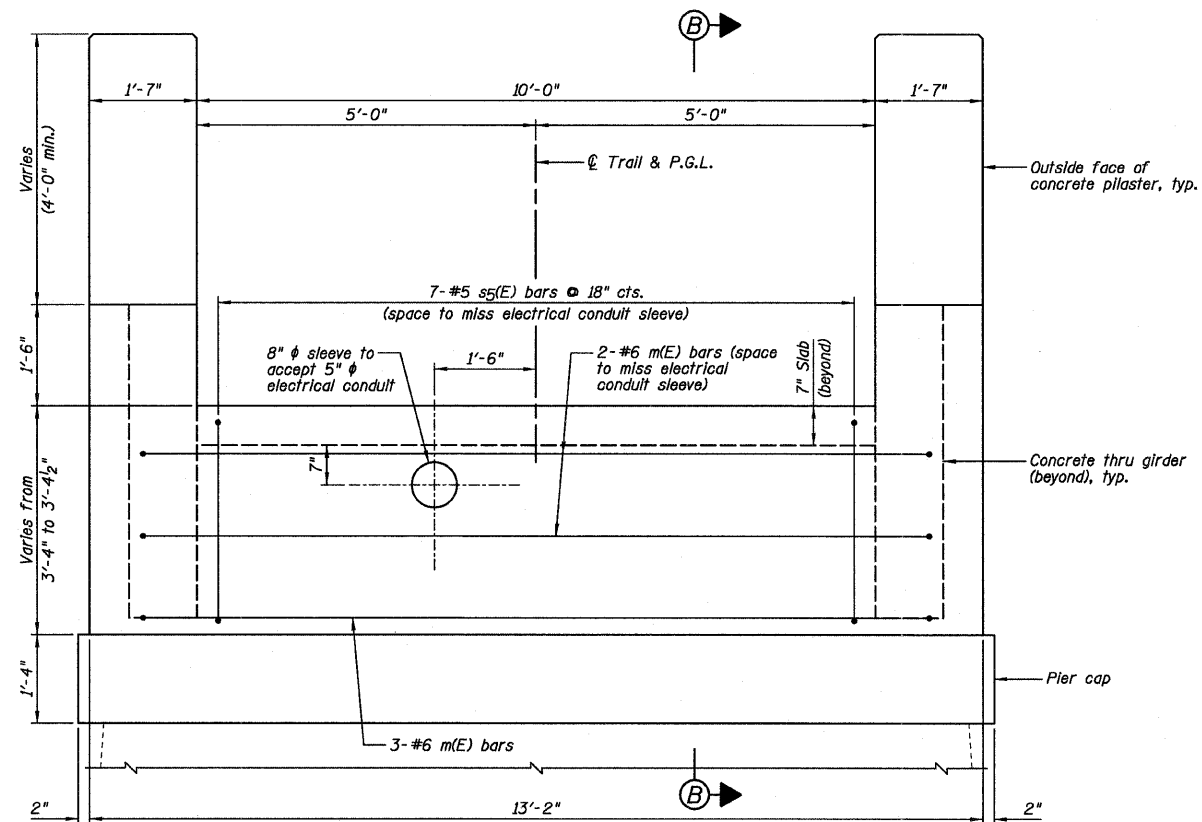
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	24
CONTRACT NO. 63643				

ILLINOIS FED. AID PROJECT



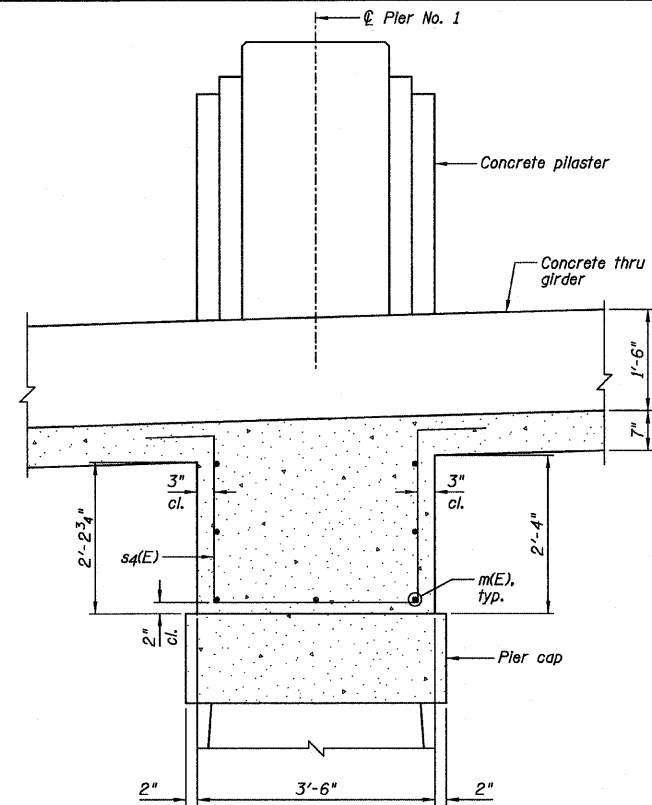
**DIAPHRAGM @ PIER NO. 1**

(Looking North)  
(Slab reinforcement not shown for clarity.)



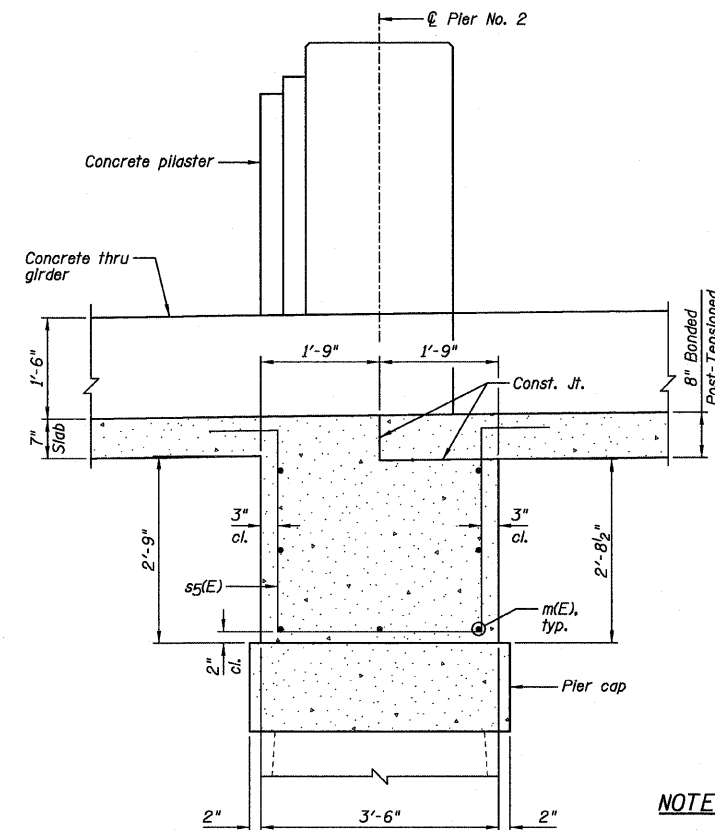
**DIAPHRAGM @ PIER NO. 2**

(Looking North)  
(Slab reinforcement not shown for clarity.)



**SECTION A-A**

Slab reinforcement not shown for clarity.



**SECTION B-B**

Slab reinforcement not shown for clarity.

**NOTES:**

- 1.) See Sheet B14 for Superstructure Details and Bill of Material.
- 2.) 5" electrical conduit to be grouted by others after installation is complete.

**Farnsworth**  
GROUP, INC.  
2709 McCreary Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1574 fax

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DRAWN - DJM  
DATE - 10/17/11

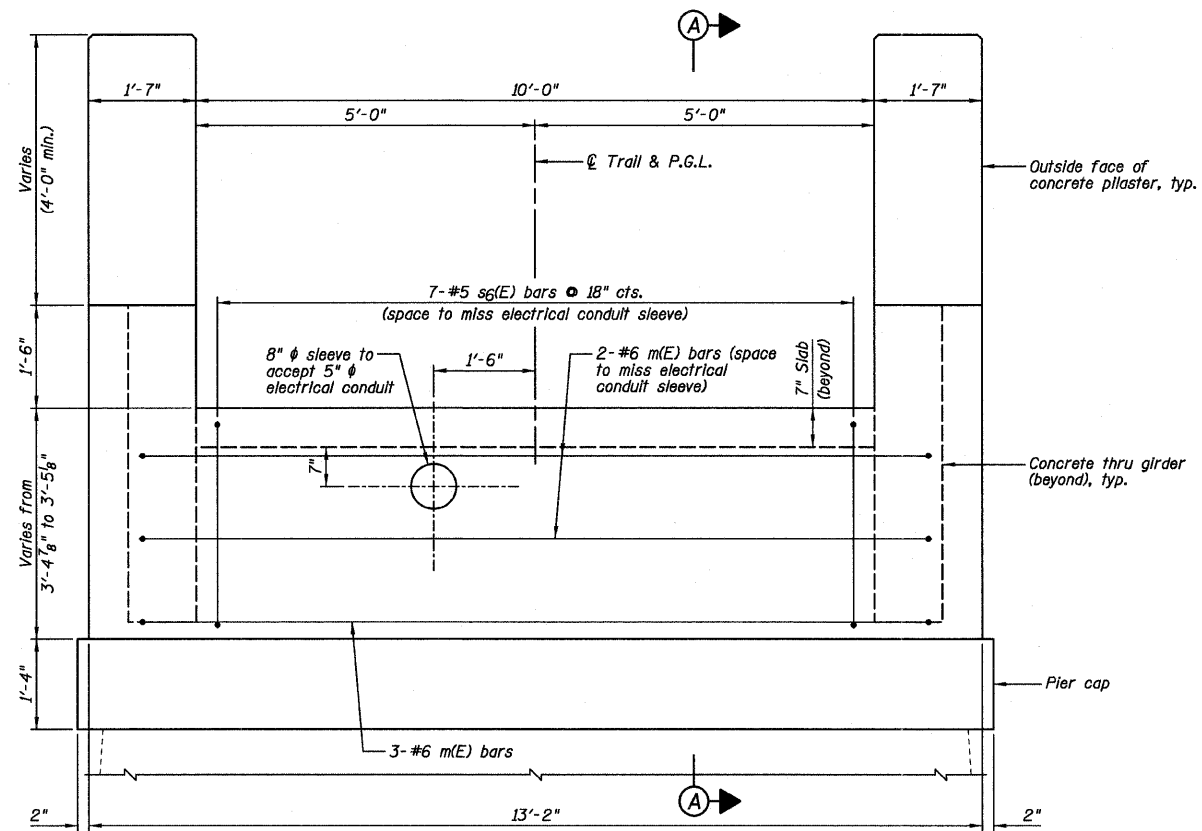
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**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

**DIAPHRAGM DETAILS  
ISLAND PARK NORTH BRIDGE**

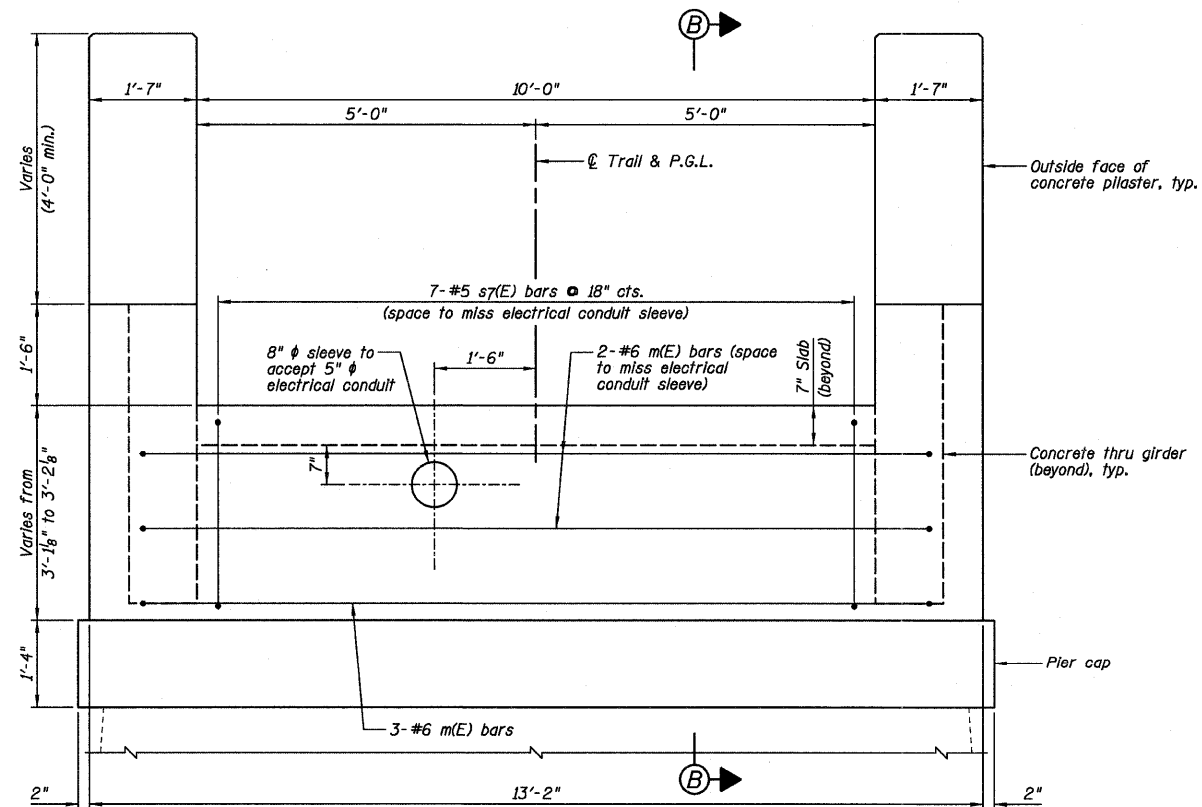
SHEET NO. B16 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	25
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



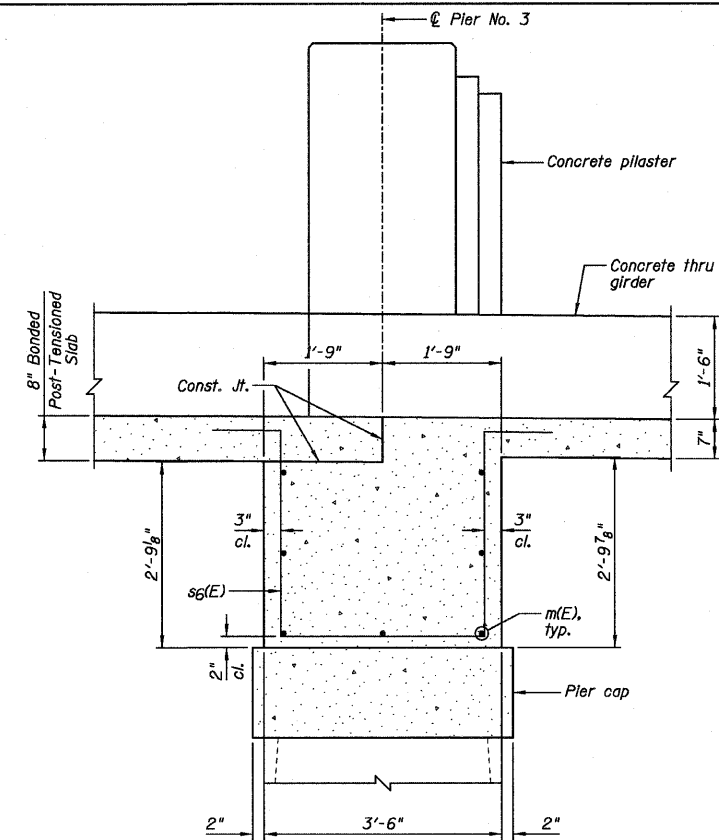
**DIAPHRAGM @ PIER NO. 3**

(Looking North)  
(Slab reinforcement not shown for clarity.)



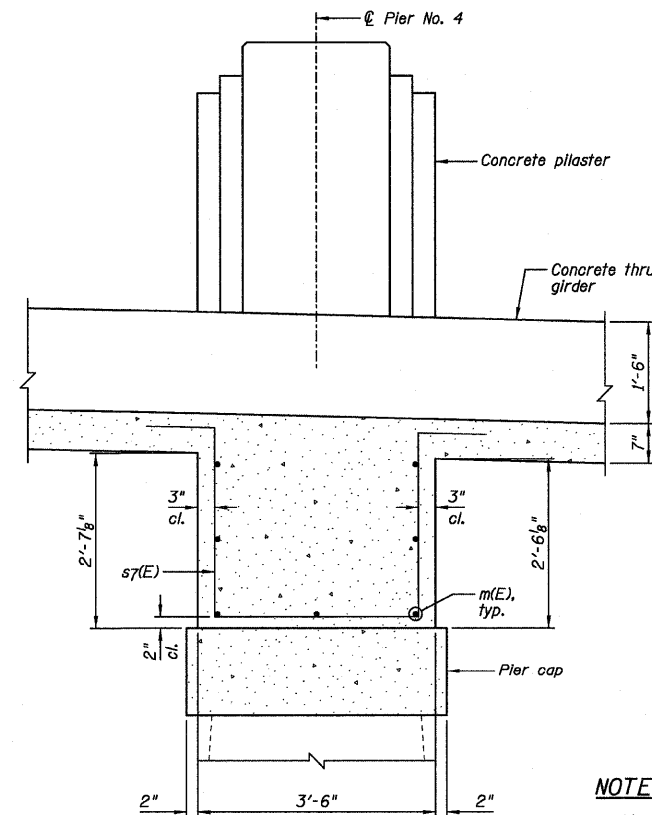
**DIAPHRAGM @ PIER NO. 4**

(Looking North)  
(Slab reinforcement not shown for clarity.)



**SECTION A-A**

Slab reinforcement not shown for clarity.



**SECTION B-B**

Slab reinforcement not shown for clarity.

**NOTES:**

- 1.) See Sheet B14 for Superstructure Details and Bill of Material.
- 2.) 5" electrical conduit to be grouted by others after installation is complete.

**Farnsworth**  
GROUP, INC.  
2709 McCraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ	REVIS
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CHECKED - MSW	REVIS
DATE - 10/17/11	

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CHECKED - JML	REVIS
DRAWN - DJM	REVIS
CHECKED - MSW	REVIS

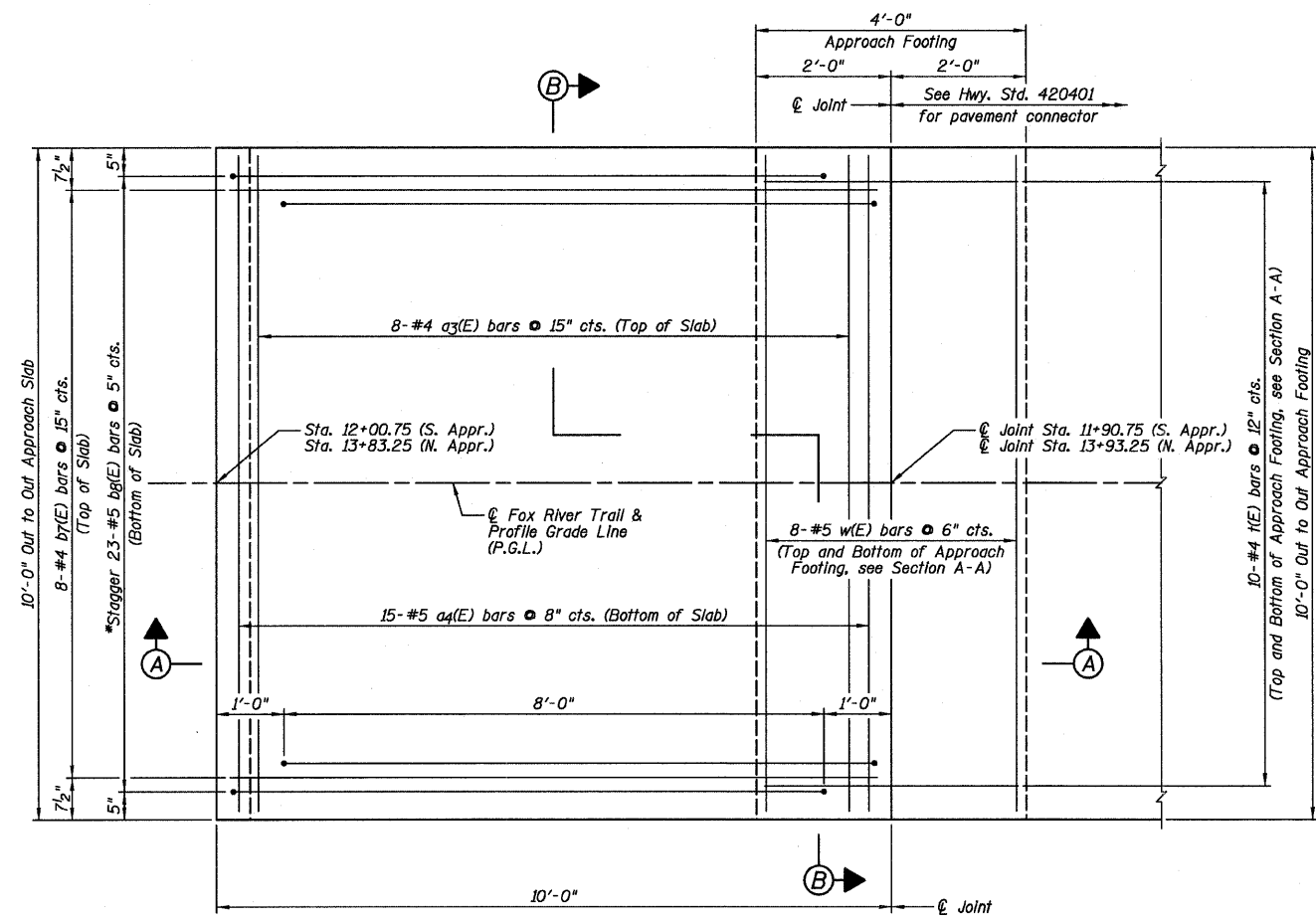
**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

**DIAPHRAGM DETAILS**  
**ISLAND PARK NORTH BRIDGE**

SHEET NO. B17 OF 31 SHEETS

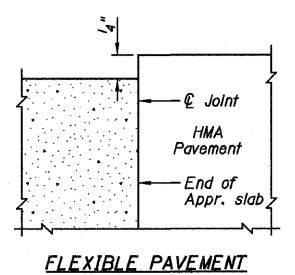
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	26
CONTRACT NO. 63643				

ILLINOIS FED. AID PROJECT



PLAN

\*Tilt #5 bg(E) bars as required to maintain clearance.

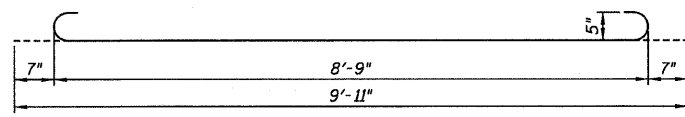


FLEXIBLE PAVEMENT

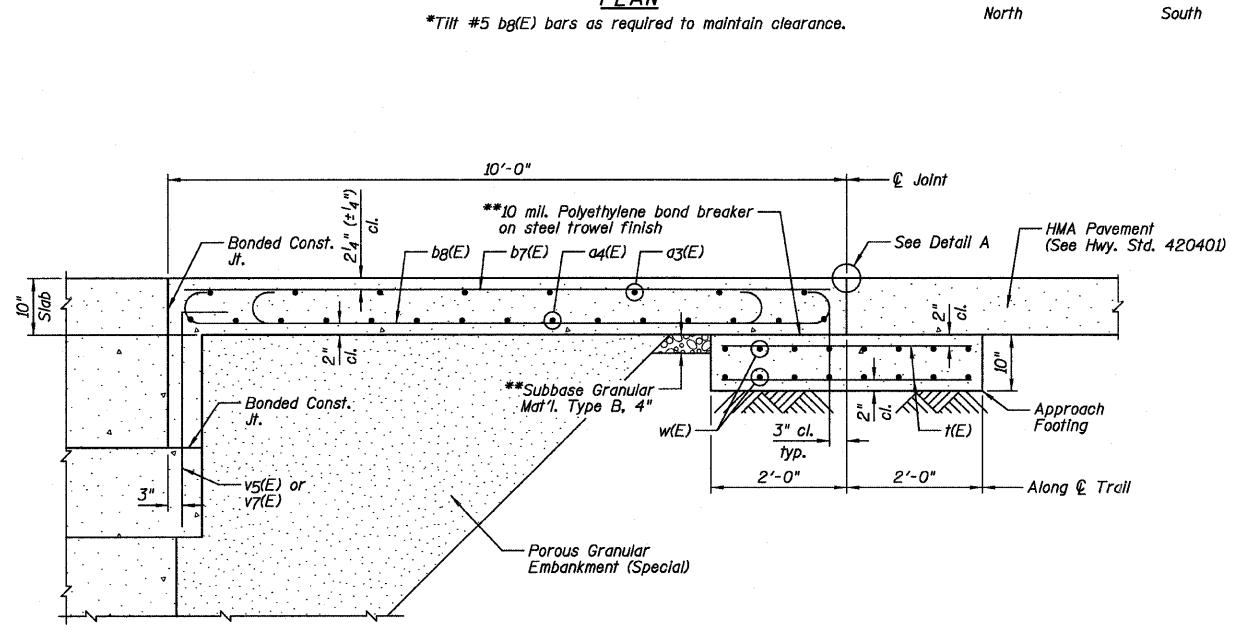
DETAIL A

TWO APPROACHES  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a3(E)	16	#4	9'-8"	—
a4(E)	30	#5	9'-8"	—
b7(E)	16	#4	9'-6"	—
bg(E)	46	#5	9'-11"	U
t(E)	40	#4	3'-8"	—
w(E)	32	#5	9'-8"	—
Item	Unit	Quantity		
Concrete Structures	Cu. Yd.	2.5		
Concrete Superstructure	Cu. Yd.	6.6		
Reinforcement Bars, Epoxy Coated	Pound	1,410		

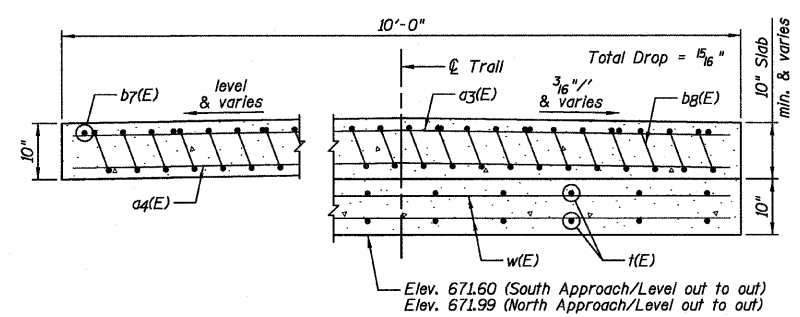


BAR bg(E)



SECTION A-A

\*\*Cost Included with Concrete Superstructure.



NEAR ABUTMENT

AT APPROACH FOOTING

SECTION B-B

See Plan for dimensions not shown.

NOTES:

- 1.) Approach Slab concrete shall be paid for as Concrete Superstructure.
- 2.) Approach Footing concrete shall be paid for as Concrete Structures.
- 3.) Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
- 4.) For v5(E) and v7(E) bar details, see Sheets B21 & B23.
- 5.) The Approach Footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
- 6.) Cost of excavation for Approach Footing Included with Concrete Structures.



DESIGNED - JML/JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED

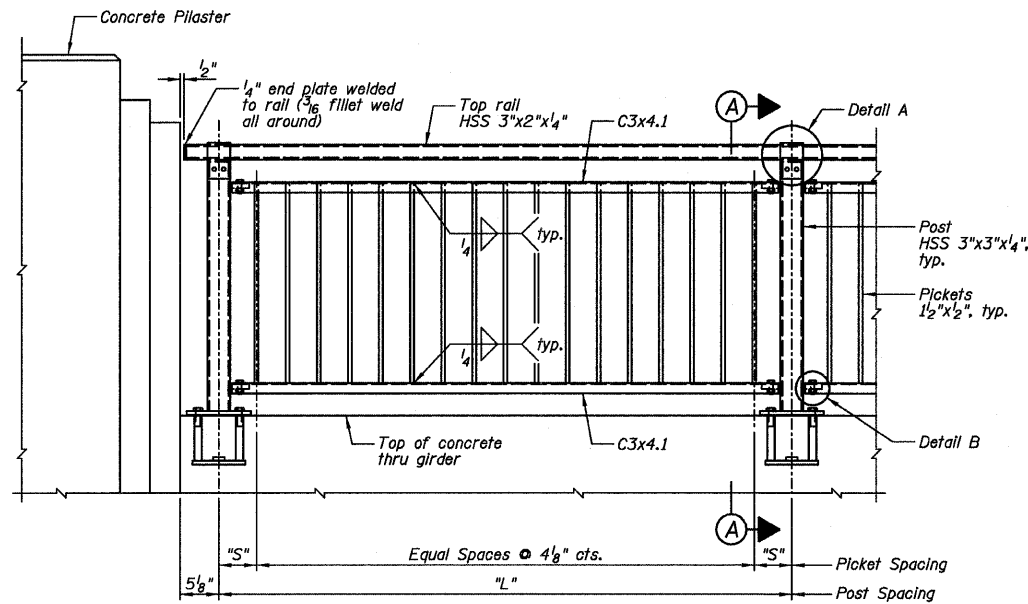
DATE - 10/17/11	DESIGNED - JML/JCZ	REVISED
	CHECKED - JML	REVISED
	DRAWN - DJM	REVISED
	CHECKED - MSW	REVISED

**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

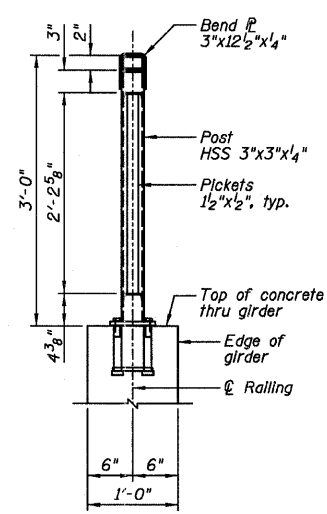
**BRIDGE APPROACH SLAB DETAILS  
ISLAND PARK NORTH BRIDGE**

SHEET NO. B18 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	27
				CONTRACT NO. 63643
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ELEVATION

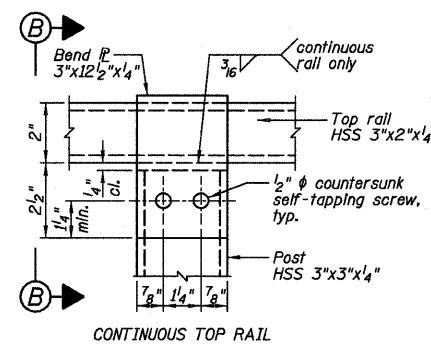


SECTION A-A

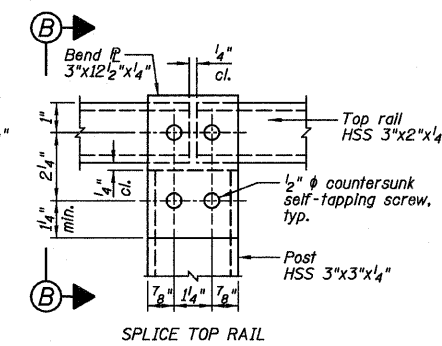
TYPICAL PANEL

Span	Dimension "L"	Dimension "S"	No. Panels
1	6'-0 $\frac{3}{4}$ "	5 $\frac{1}{2}$ "	5
2	6'-4"	5"	5
3	5'-8 $\frac{1}{2}$ "	5 $\frac{3}{8}$ "	7
4	6'-4"	5"	5
5	6'-0 $\frac{3}{4}$ "	5 $\frac{1}{2}$ "	5

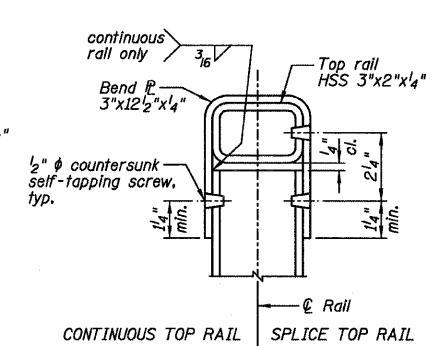
Note: The number of panels is shown for one side of the bridge.



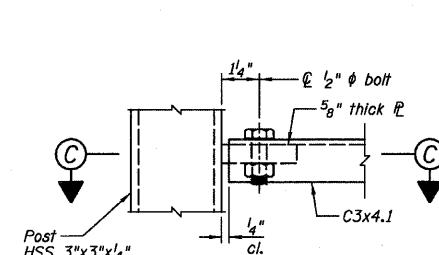
ELEVATION



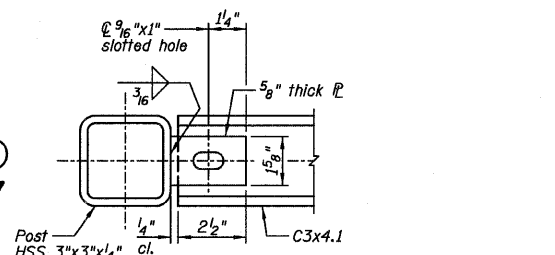
DETAIL A



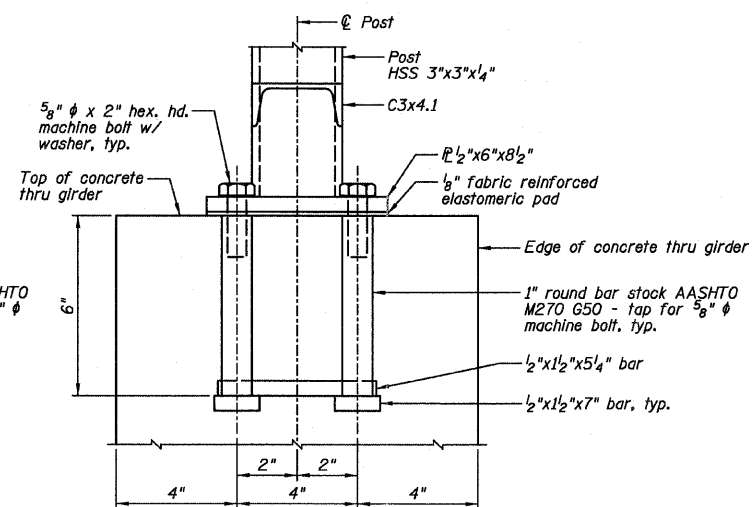
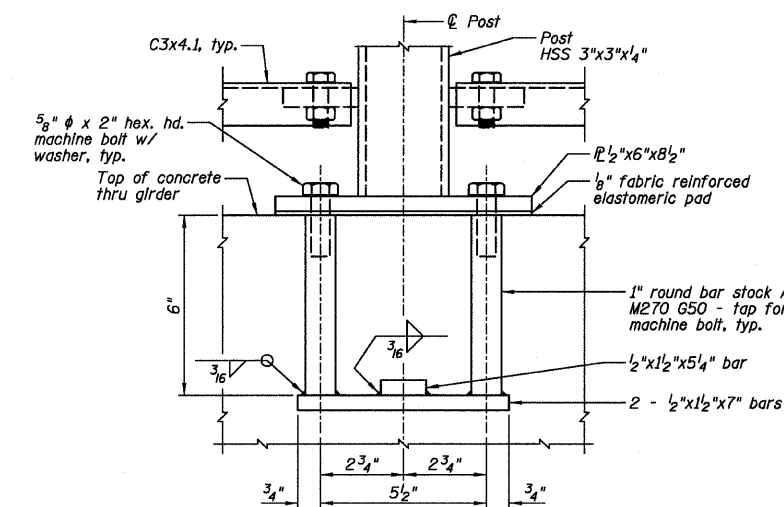
SECTION B-B



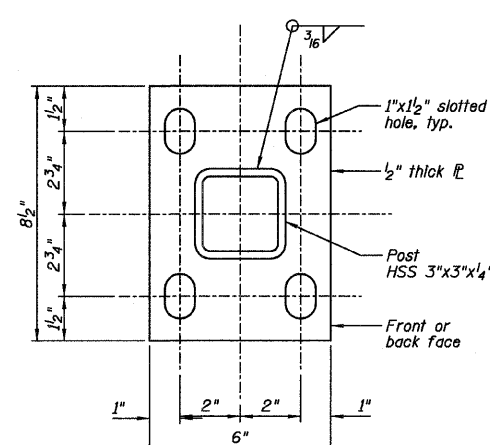
ELEVATION



DETAIL B



ANCHOR BOLT DETAILS



BASE  $\mathbb{P}$

BILL OF MATERIAL

Item	Unit	Quantity
Decorative Steel Railing	Foot	328

NOTE:

All posts, railing, splices, anchor devices and bent plates shall be painted in accordance with Section 506 of the Standard Specifications.

Farnsworth GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/683-8435, 309/683-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
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CHECKED - MSW  
DATE - 10/17/11

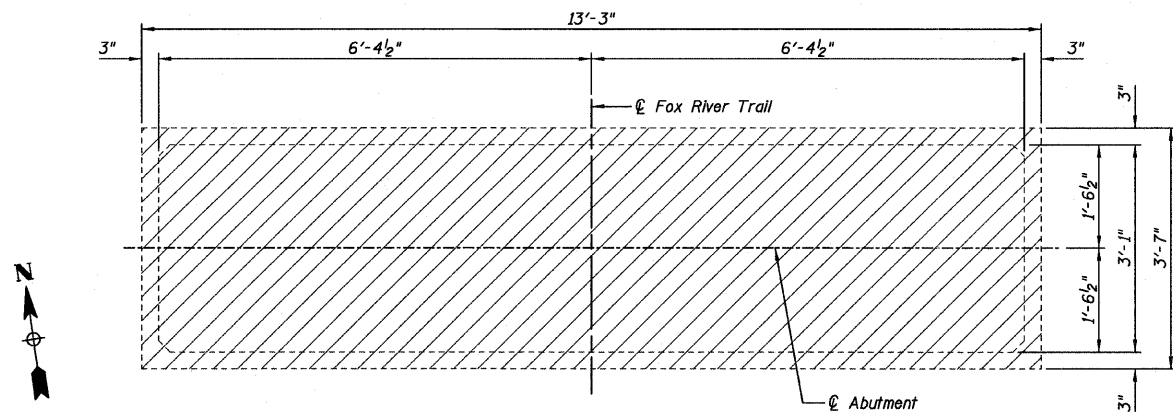
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REVISED  
REVISED  
REVISED

GENEVA PARK DISTRICT  
GENEVA, ILLINOIS

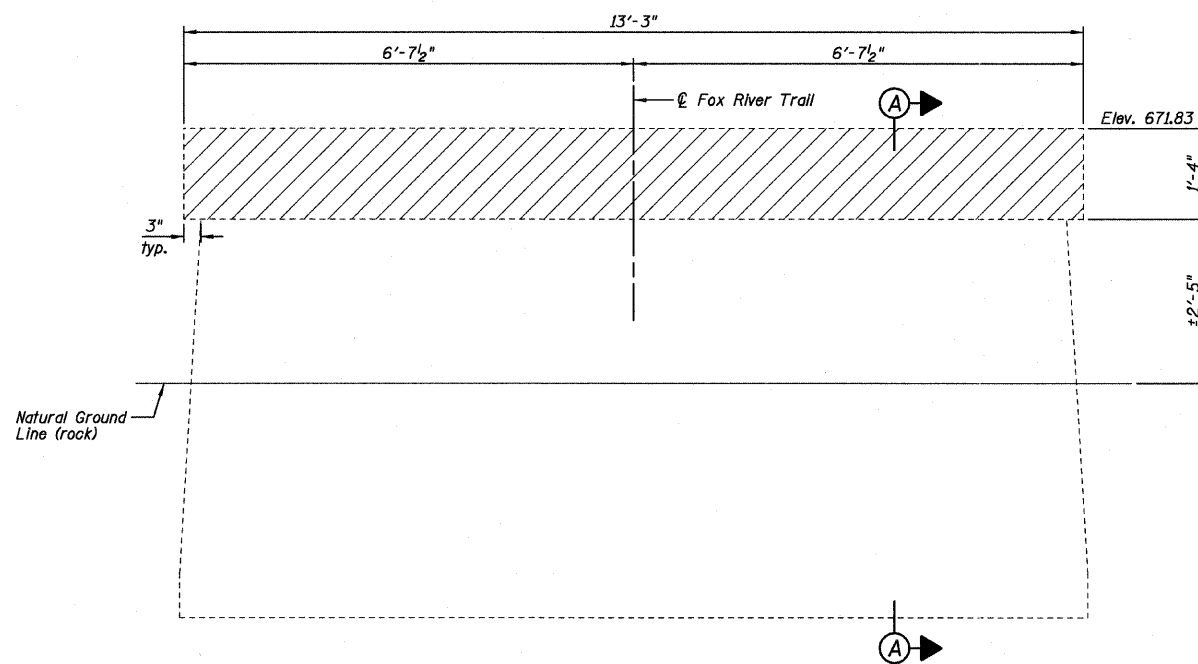
DECORATIVE STEEL RAILING DETAILS  
ISLAND PARK NORTH BRIDGE

SHEET NO. B19 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	28
				CONTRACT NO. 63643
ILLINOIS FED. AID PROJECT				



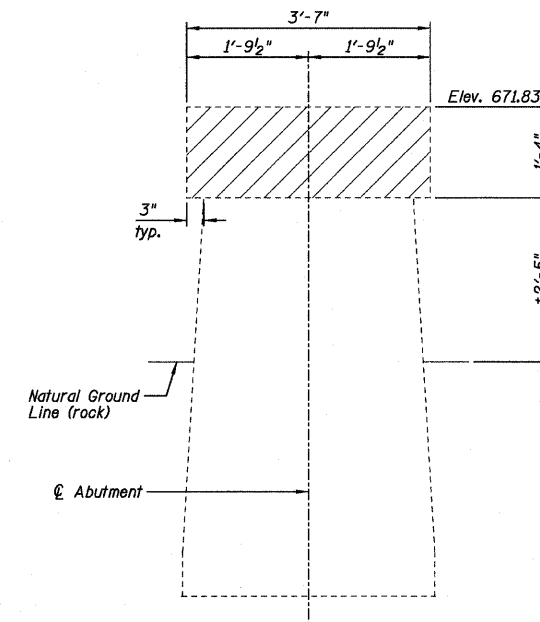
TOP PLAN VIEW



ELEVATION VIEW  
(Looking South)

**BILL OF MATERIAL**

ITEM	UNIT	Total
Concrete Removal	Cu. Yd.	2.3



SECTION A-A

**LEGEND**

Concrete Removal

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
308/663-8435, 309/663-1571 fax

DATE - 10/17/11

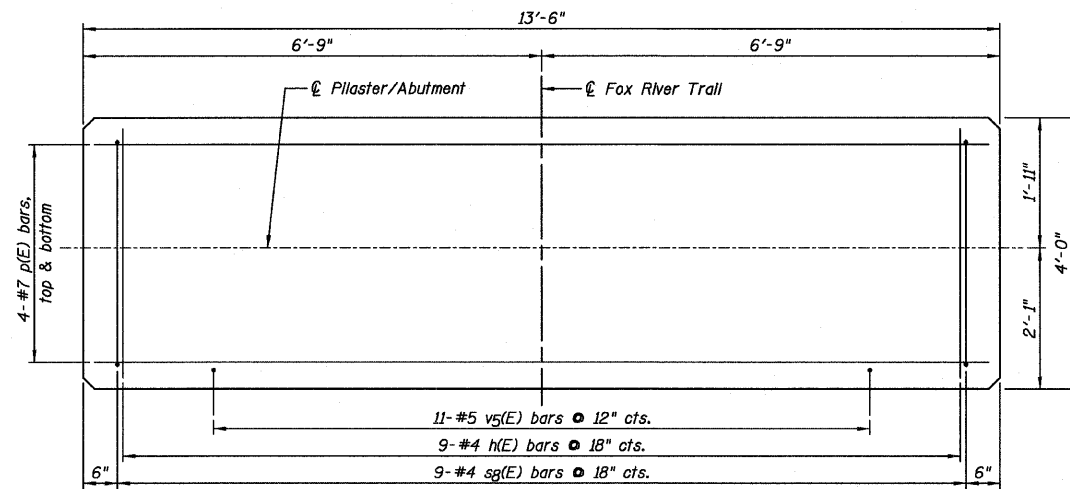
DESIGNED - JML/JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED

**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

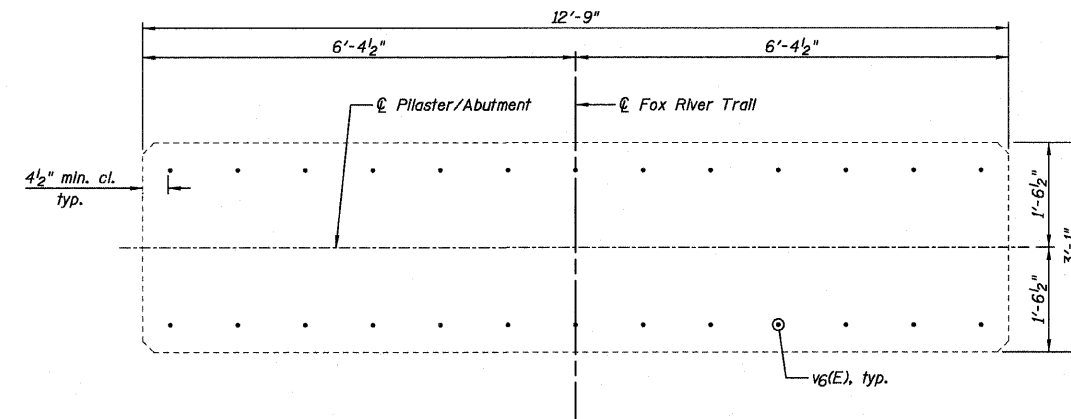
**SOUTH ABUTMENT REMOVAL  
ISLAND PARK NORTH BRIDGE**

SHEET NO. B20 OF 31 SHEETS

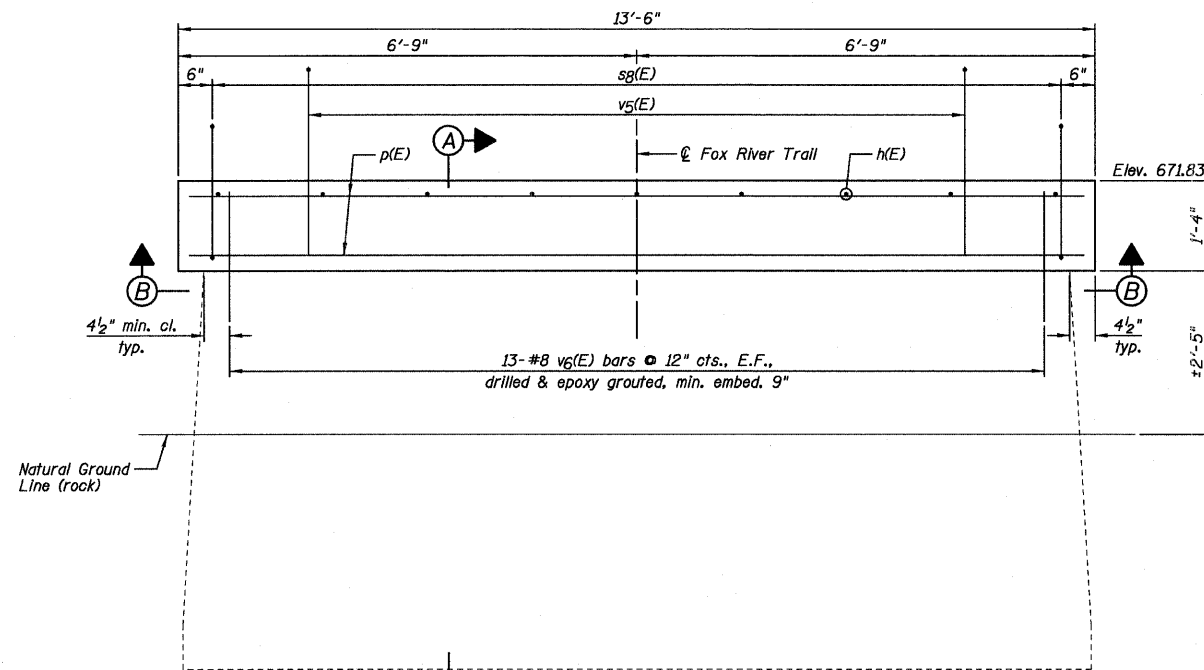
F.A. RTE. N/A	SECTION 06-P4005-00-BR	COUNTY KANE	TOTAL SHEETS 42	SHEET NO. 29
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



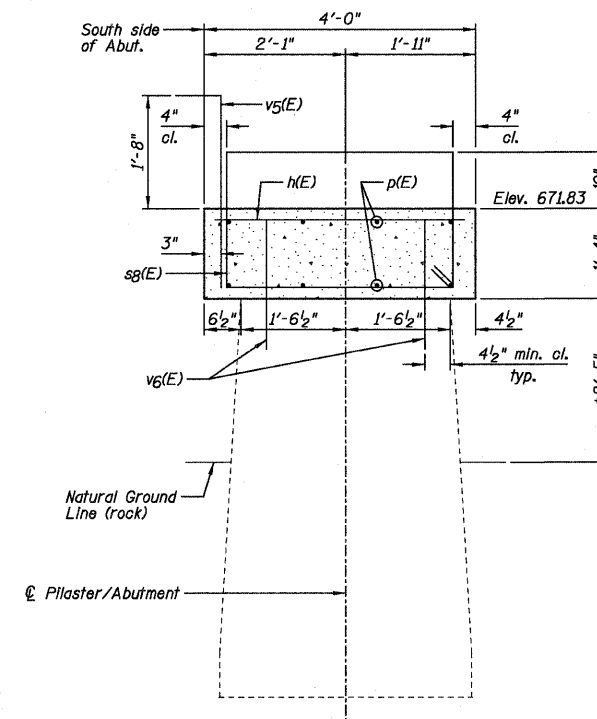
TOP PLAN VIEW



SECTION B-B



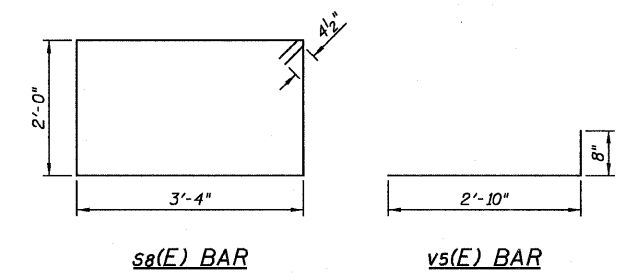
ELEVATION  
(Looking South)



SECTION A-A

**SOUTH ABUTMENT  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	9	#4	3'-8"	—
p(E)	8	#7	13'-2"	—
sg(E)	9	#4	11'-5"	□
v5(E)	11	#5	3'-6"	—
v6(E)	26	#8	1'-11"	—
Item	Unit	Quantity		
Structure Excavation	Cu. Yd.	13		
Concrete Structures	Cu. Yd.	2.7		
Reinforcement Bars, Epoxy Coated	Pound	480		
Geocomposite Wall Drain	Sq. Yd.	8		
Pipe Underdrains For Structures 4"	Foot	33		
Porous Granular Embankment, Special	Cu. Yd.	13		



sg(E) BAR

v6(E) BAR

**NOTES:**

- 1.) E.F. denotes Each Face.
- 2.) Drill & epoxy grout v6(E) bars in appropriate drilled holes according to Section 584 of the Standard Specifications. The type of epoxy grout shall be approved by the Engineer.

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

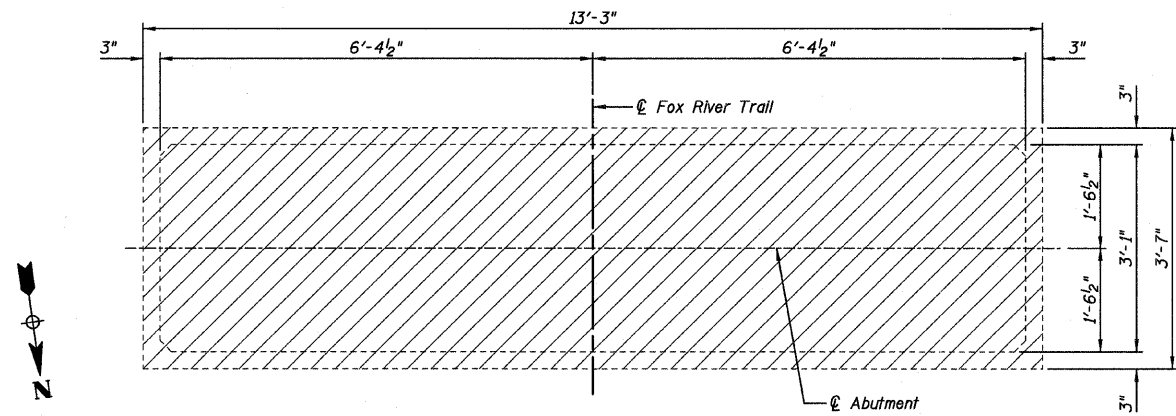
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CHECKED - JML	REVISED
DRAWN - DJM	REVISED
DATE - 10/17/11	REVISED
CHECKED - MSW	REVISED

**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

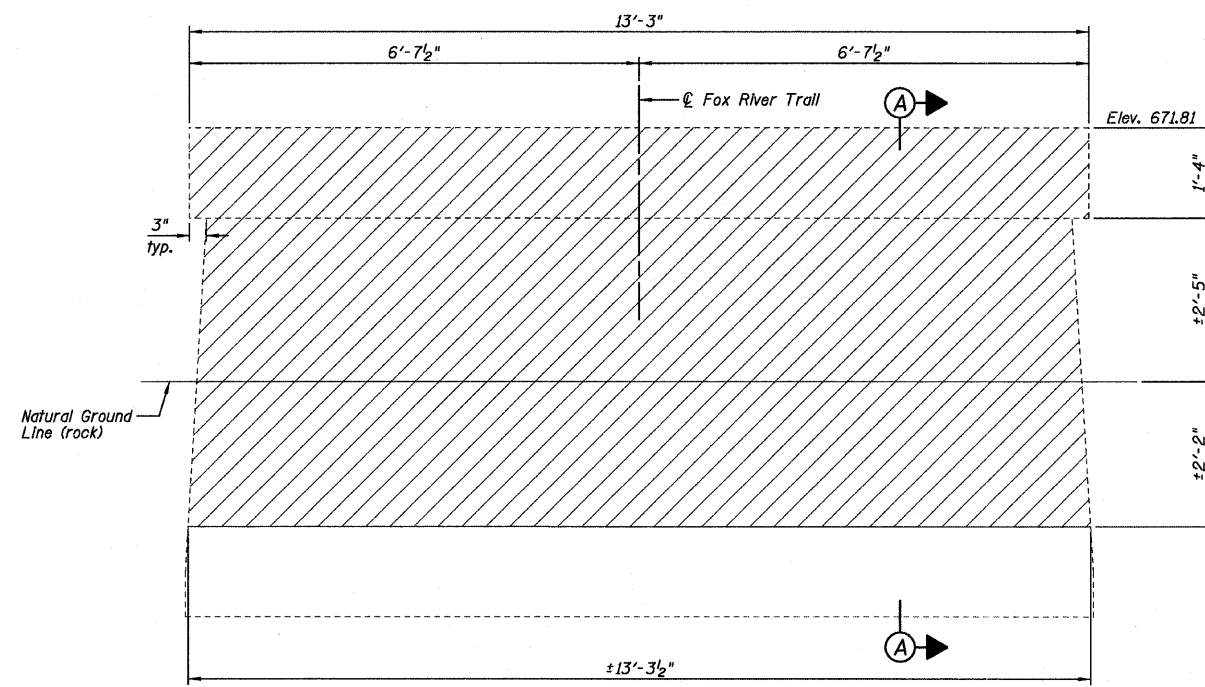
**SOUTH ABUTMENT REPLACEMENT  
ISLAND PARK NORTH BRIDGE**

SHEET NO. B21 OF 31 SHEETS

F.A. RTE. N/A	SECTION 06-P4005-00-BR	COUNTY KANE	TOTAL SHEETS 42	SHEET NO. 30
CONTRACT NO. 63643			ILLINOIS FED. AID PROJECT	



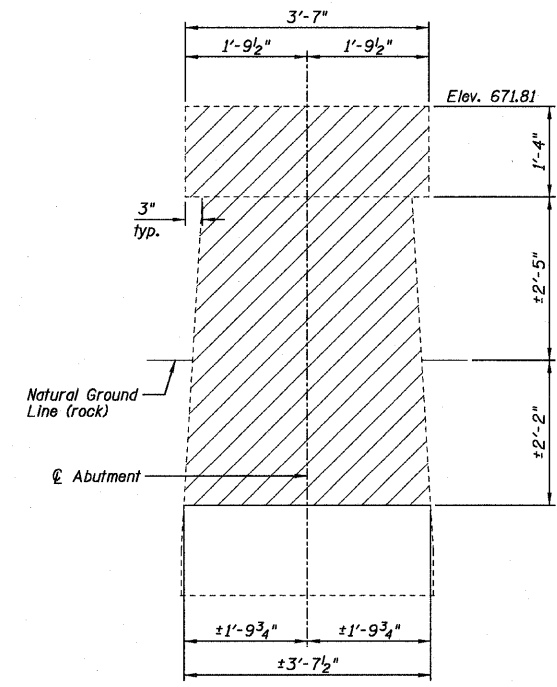
TOP PLAN VIEW



ELEVATION VIEW  
(Looking North)

**BILL OF MATERIAL**

ITEM	UNIT	Total
Concrete Removal	Cu. Yd.	9.7



SECTION A-A

**LEGEND**  
 Concrete Removal

**Farnsworth**  
 GROUP, INC.  
 2709 McGraw Drive  
 Bloomington, Illinois 61704  
 309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ  
 CHECKED - JML  
 DRAWN - DJM  
 DATE - 10/17/11

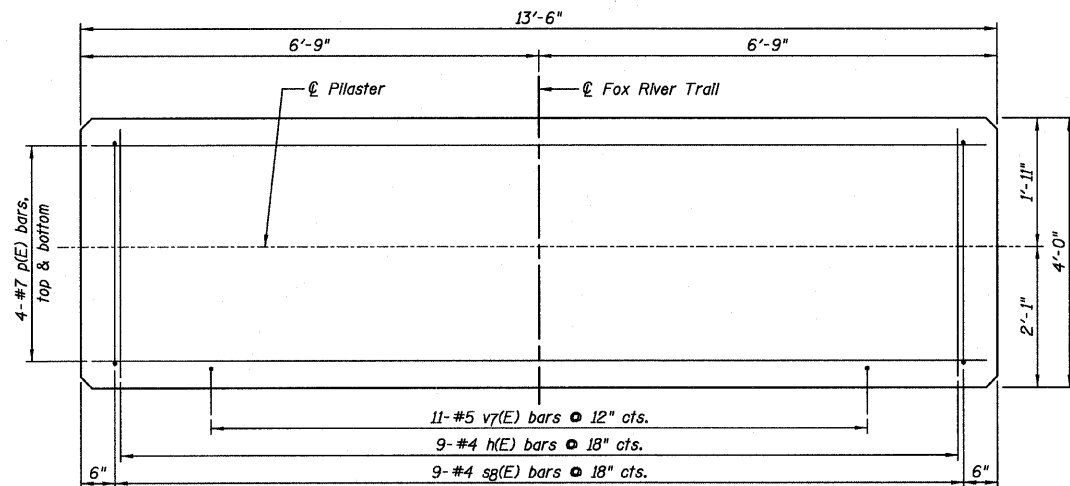
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**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

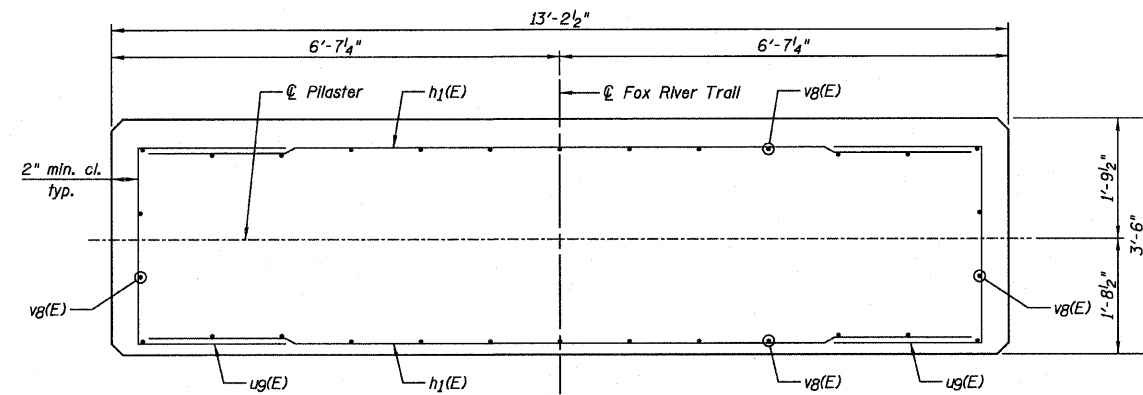
**NORTH ABUTMENT REMOVAL**  
**ISLAND PARK NORTH BRIDGE**  
 SHEET NO. B22 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	31
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				





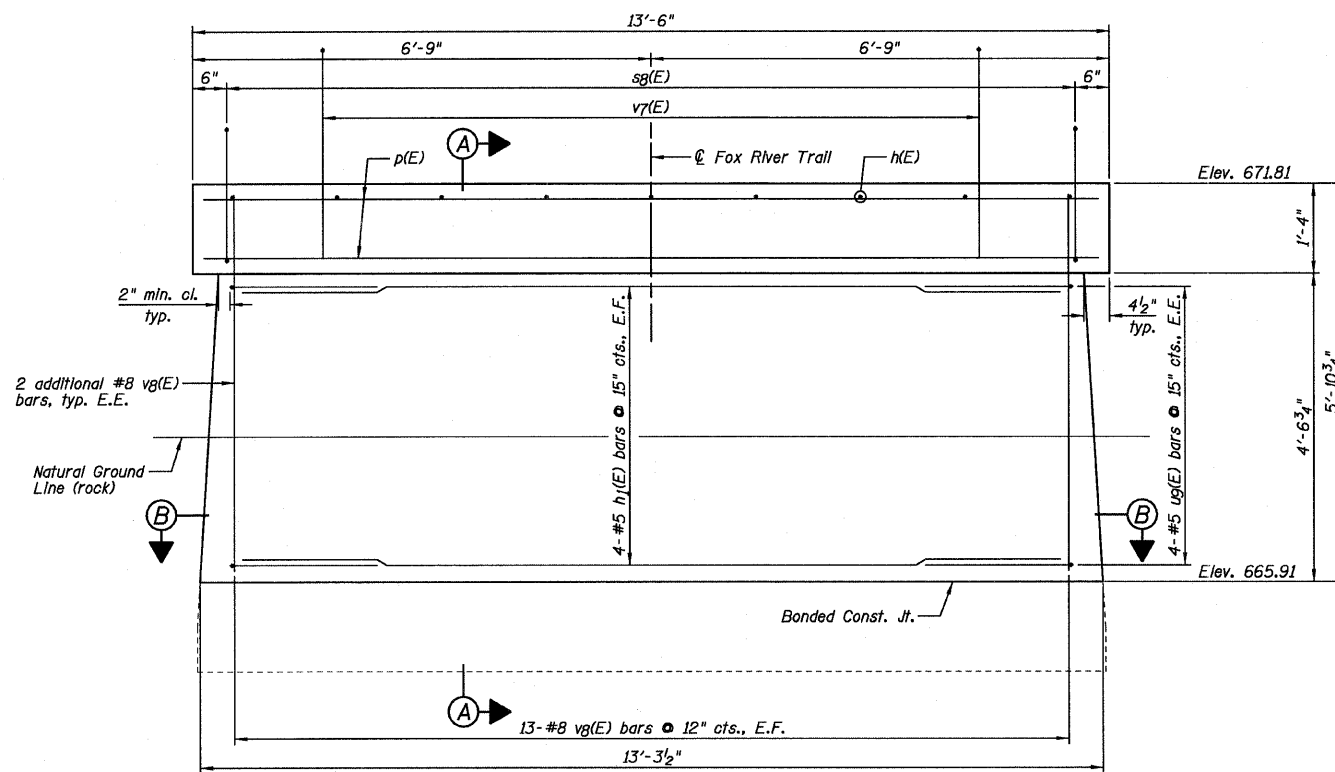
TOP PLAN VIEW



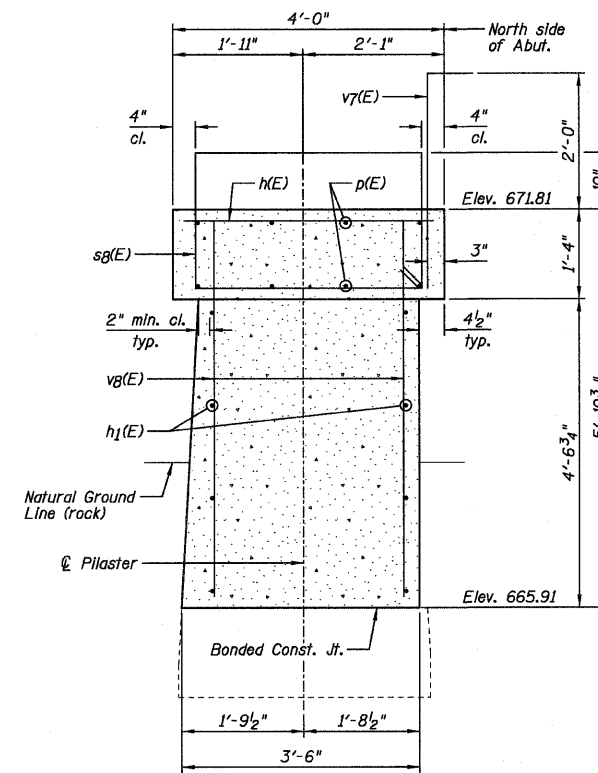
SECTION B-B

NORTH ABUTMENT  
BILL OF MATERIAL

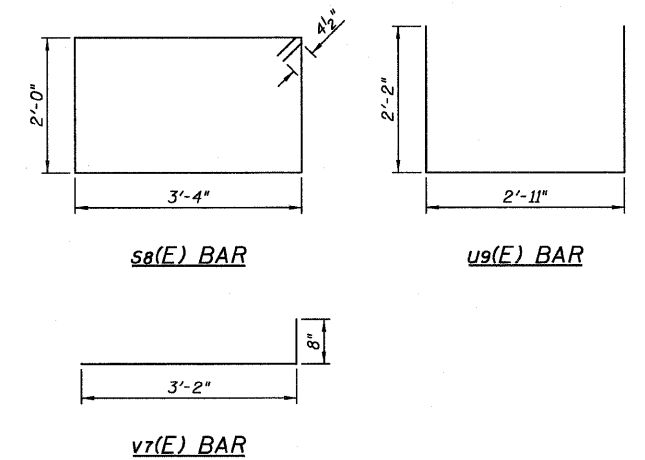
Bar	No.	Size	Length	Shape
h(E)	9	#4	3'-8"	—
h1(E)	8	#5	12'-5"	—
p(E)	8	#7	13'-2"	—
sg(E)	9	#4	11'-5"	□
ug(E)	8	#5	7'-3"	—
v7(E)	11	#5	3'-10"	—
v8(E)	30	#8	5'-5"	—
Item	Unit	Quantity		
Stone Riprap, Class A4	Sq. Yd.	5		
Structure Excavation	Cu. Yd.	14		
Rock Excavation For Structures	Cu. Yd.	7		
Concrete Structures	Cu. Yd.	10.2		
Reinforcement Bars, Epoxy Coated	Pound	950		
Geocomposite Wall Drain	Sq. Yd.	8		
Pipe Underdrains For Structures 4"	Foot	22		
Porous Granular Embankment, Special	Cu. Yd.	14		



ELEVATION  
(Looking North)



SECTION A-A



NOTE:

E.F. denotes Each Face and E.E. denotes Each End.

Farnsworth  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
DRAWN - DJM  
DATE - 10/17/11

REVIS  
REVIS  
REVIS  
REVIS

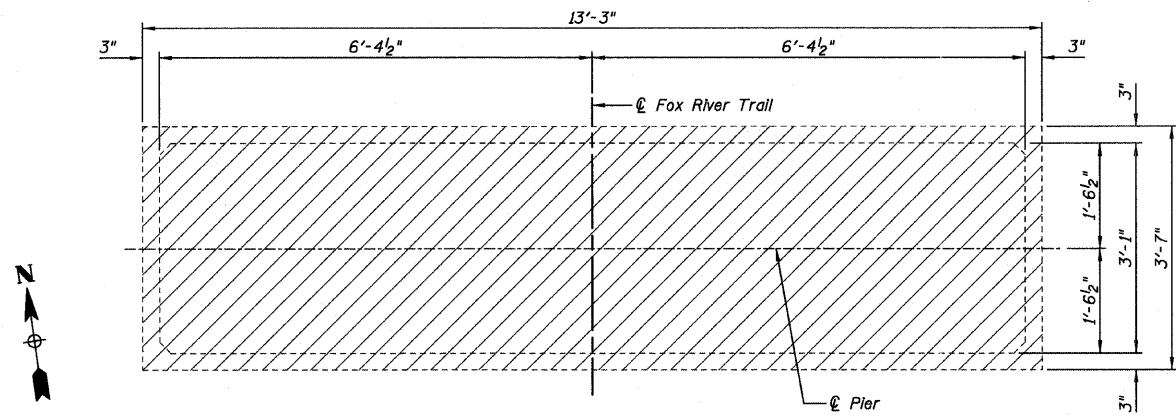
GENEVA PARK DISTRICT  
GENEVA, ILLINOIS

NORTH ABUTMENT REPLACEMENT  
ISLAND PARK NORTH BRIDGE

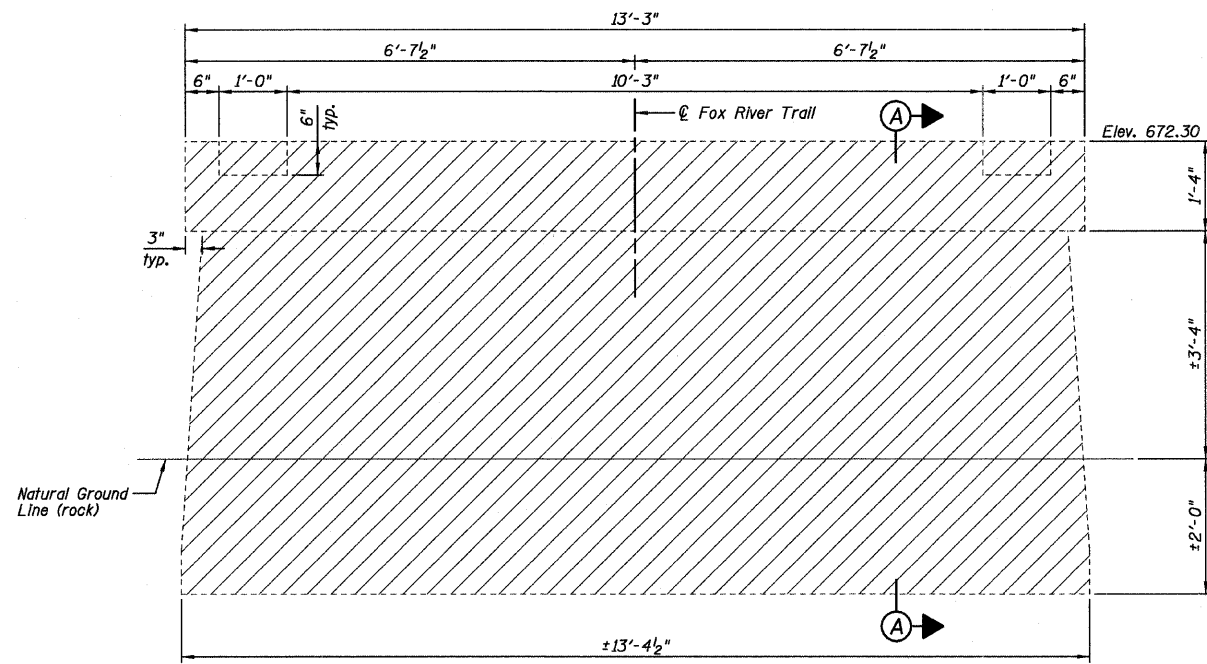
SHEET NO. B23 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	32
CONTRACT NO. 63643				

ILLINOIS FED. AID PROJECT



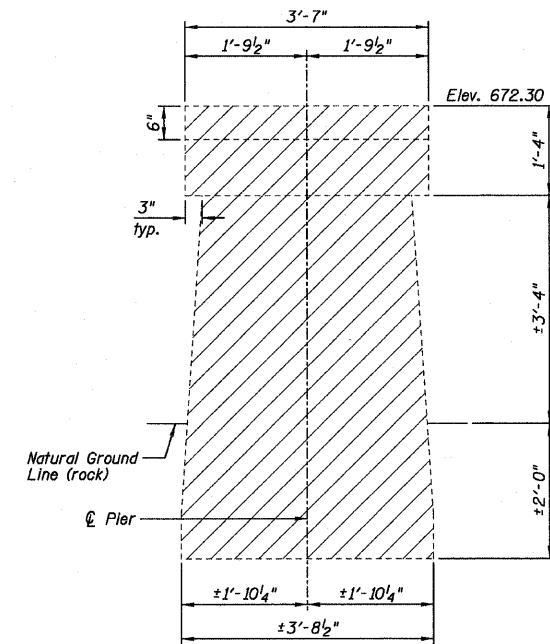
TOP PLAN VIEW



ELEVATION VIEW  
(Looking North)

**BILL OF MATERIAL**

ITEM	UNIT	Total
Concrete Removal	Cu. Yd.	11.2



SECTION A-A

**LEGEND**

Concrete Removal

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/963-8436, 309/963-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
DRAWN - DJM  
DATE - 10/17/11

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REVIS  
REVIS  
REVIS

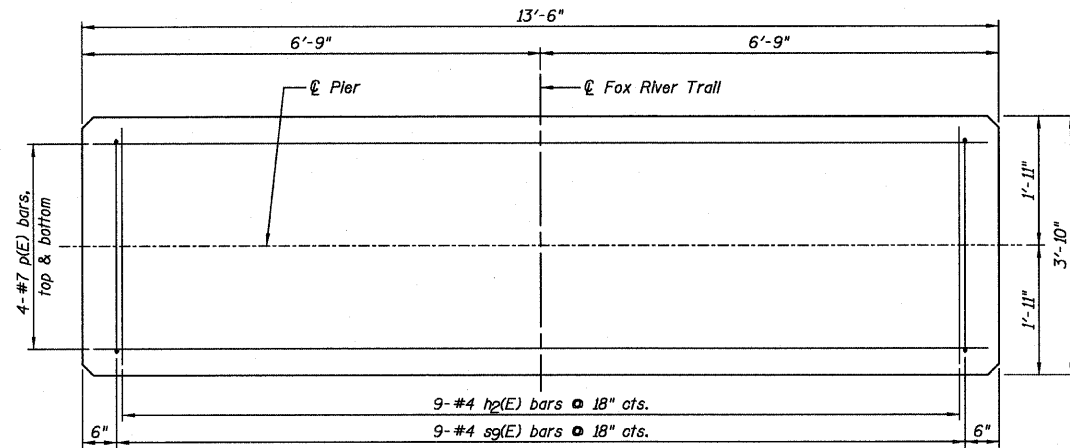
DESIGNED - JML/JCZ  
CHECKED - MSW

**GENEVA PARK DISTRICT  
GENEVA, ILLINOIS**

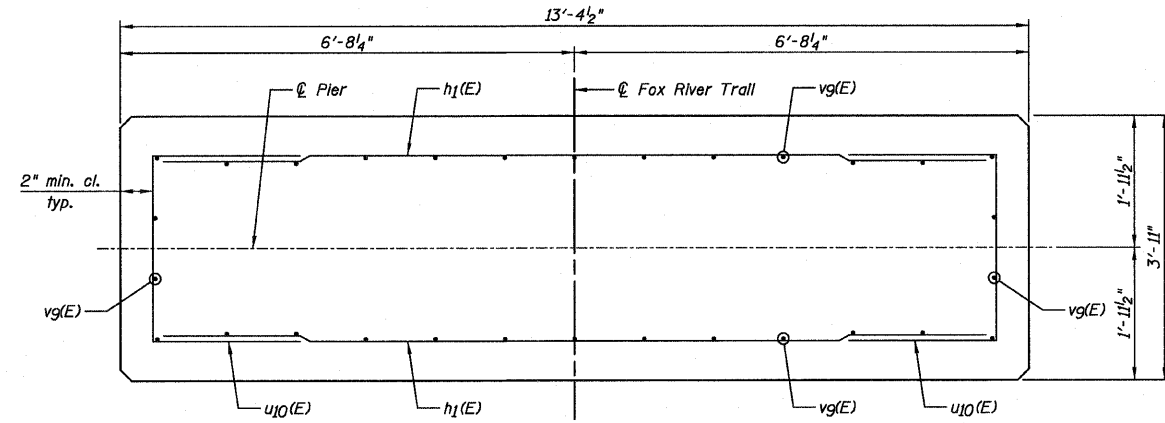
**PIER NO. 1 REMOVAL  
ISLAND PARK NORTH BRIDGE**

SHEET NO. B24 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	33
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



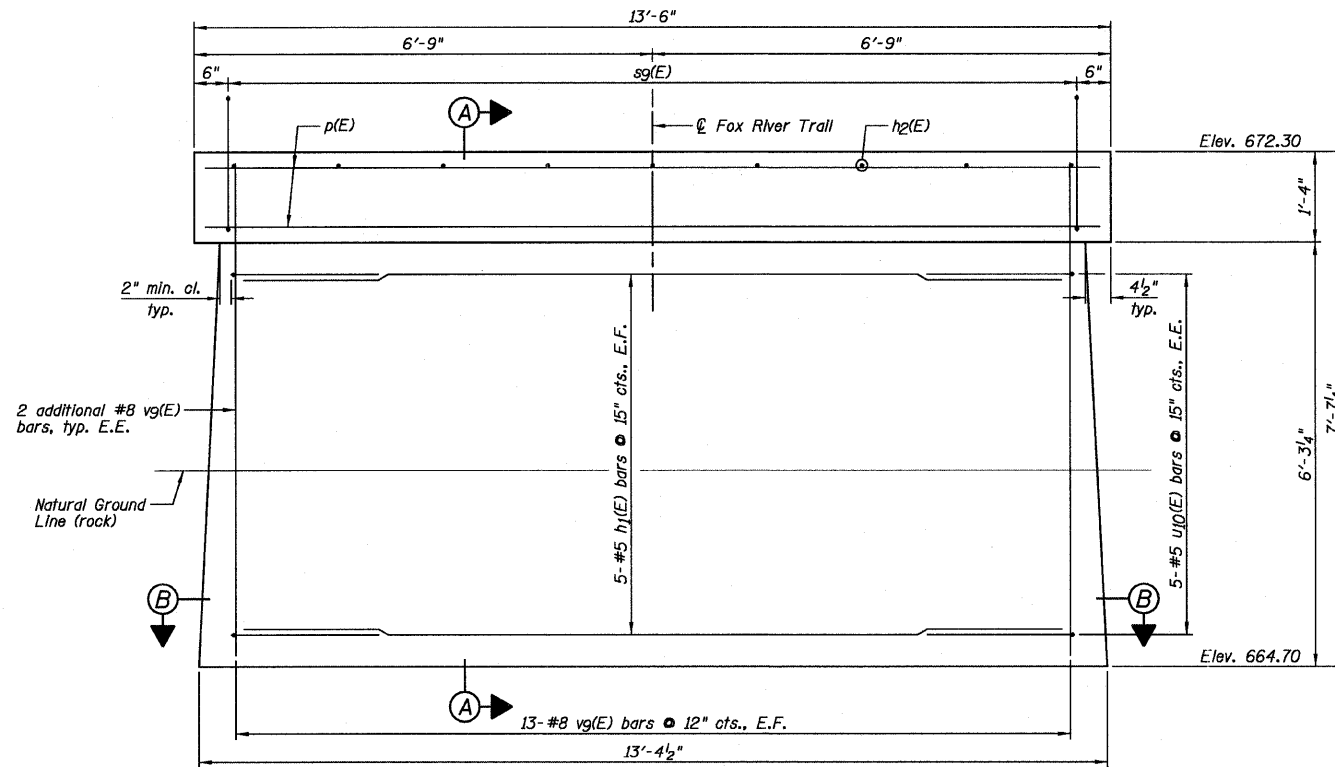
TOP PLAN VIEW



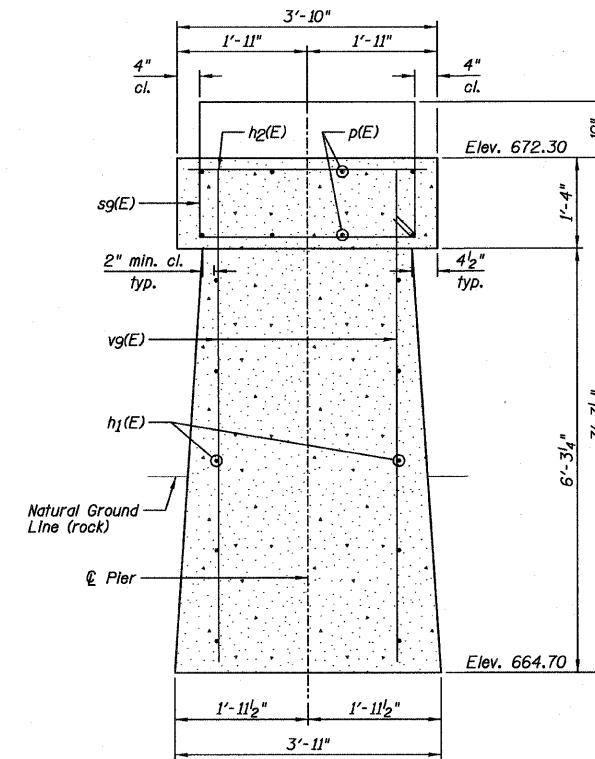
SECTION B-B

PIER NO. 1  
BILL OF MATERIAL

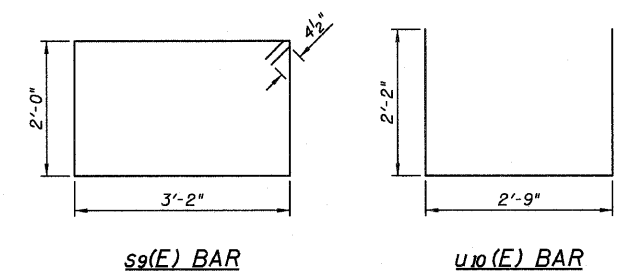
Bar	No.	Size	Length	Shape
h1(E)	10	#5	12'-5"	—
h2(E)	9	#4	3'-6"	—
p(E)	8	#7	13'-2"	—
sg(E)	9	#4	11'-1"	□
U10(E)	10	#5	7'-1"	□
vg(E)	30	#8	7'-2"	—
Item	Unit	Quantity		
Stone Riprap, Class A4	Sq. Yd.	11		
Rock Excavation For Structures	Cu. Yd.	16		
Concrete Structures	Cu. Yd.	13.2		
Reinforcement Bars, Epoxy Coated	Pound	1080		



ELEVATION  
(Looking North)



SECTION A-A



sg(E) BAR

U10(E) BAR

NOTE:

E.F. denotes Each Face and E.E. denotes Each End.

Farnsworth GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
DRAWN - DJM  
DATE - 10/17/11

REVISOR  
REVISOR  
REVISOR  
REVISOR

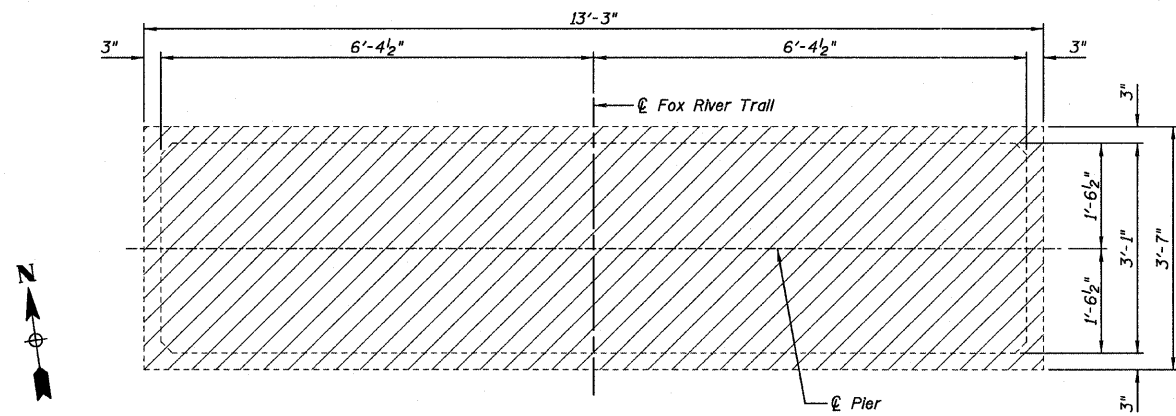
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CHECKED - MSW

GENEVA PARK DISTRICT  
GENEVA, ILLINOIS

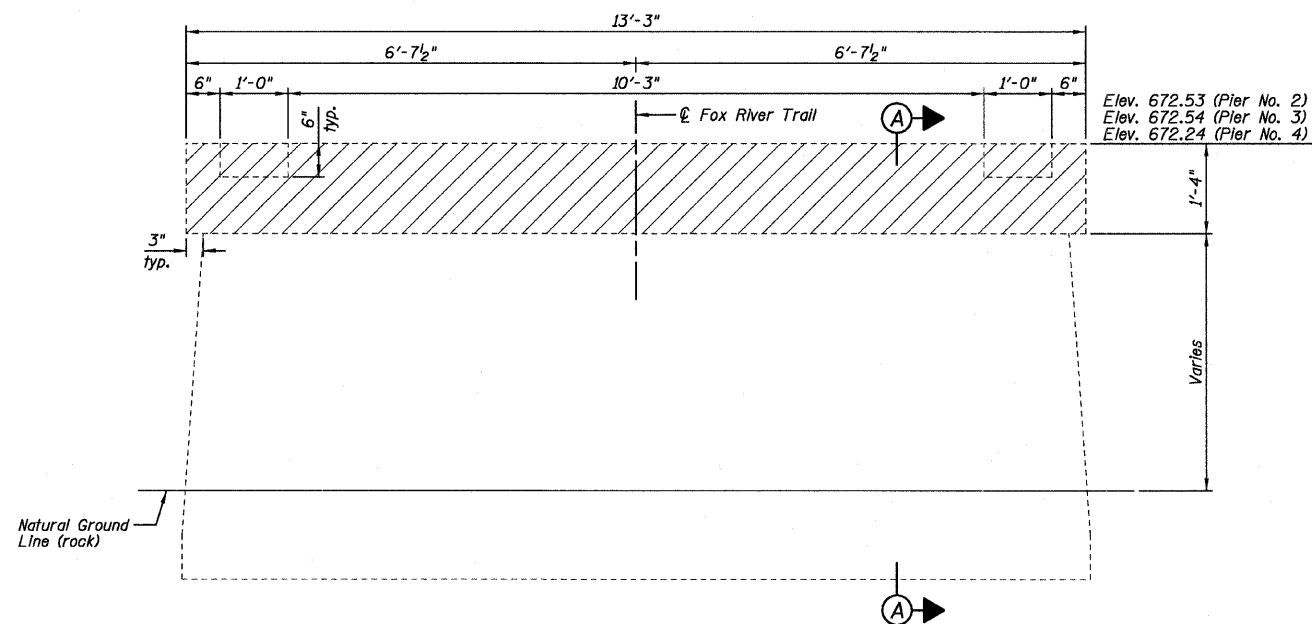
PIER NO. 1 REPLACEMENT  
ISLAND PARK NORTH BRIDGE

SHEET NO. B25 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	34
			CONTRACT NO. 63643	
ILLINOIS FED. AID PROJECT				



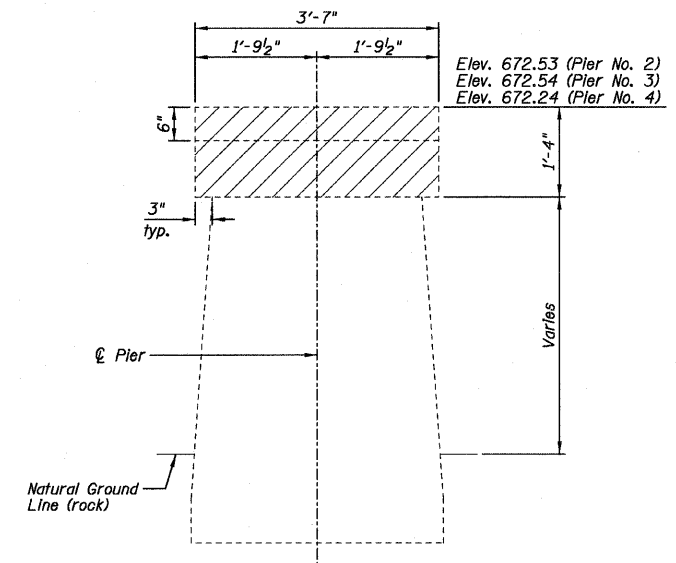
TOP PLAN VIEW



ELEVATION VIEW  
(Looking North)

**BILL OF MATERIAL**

ITEM	UNIT	Total
Concrete Removal	Cu. Yd.	2.3



SECTION A-A

**LEGEND**

Concrete Removal

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/963-8435, 309/963-1571 fax

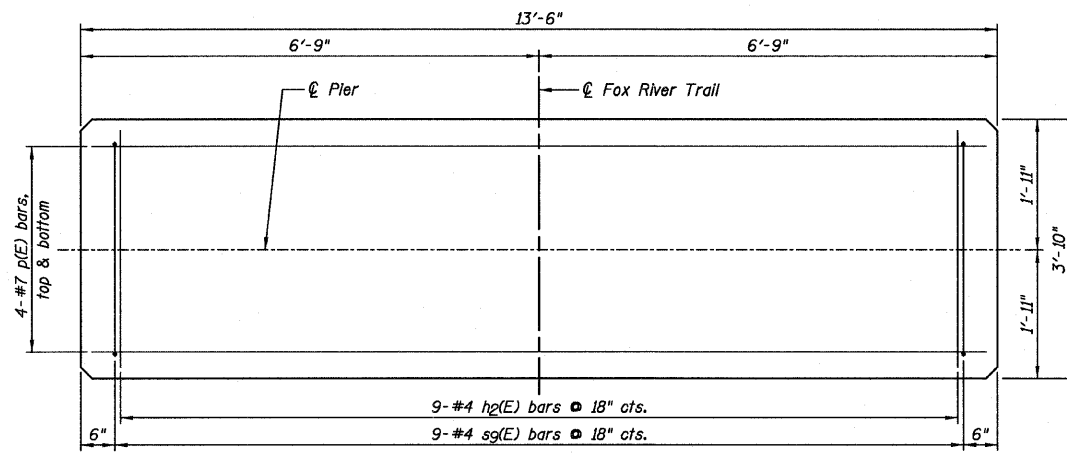
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CHECKED - JML	REVISED
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CHECKED - MSW	REVISED
DATE - 10/17/11	

**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

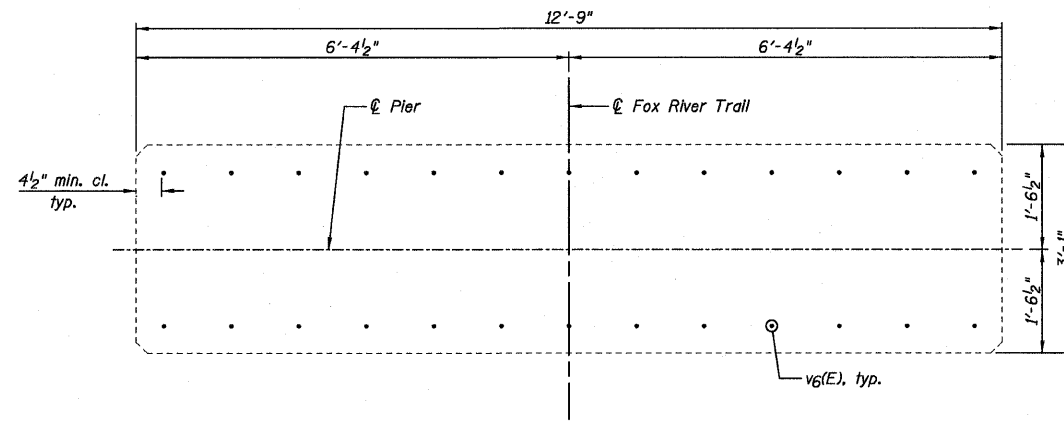
**PIER NO. 2 THRU PIER NO. 4 REMOVAL**  
**ISLAND PARK NORTH BRIDGE**

SHEET NO. B26 OF 31 SHEETS

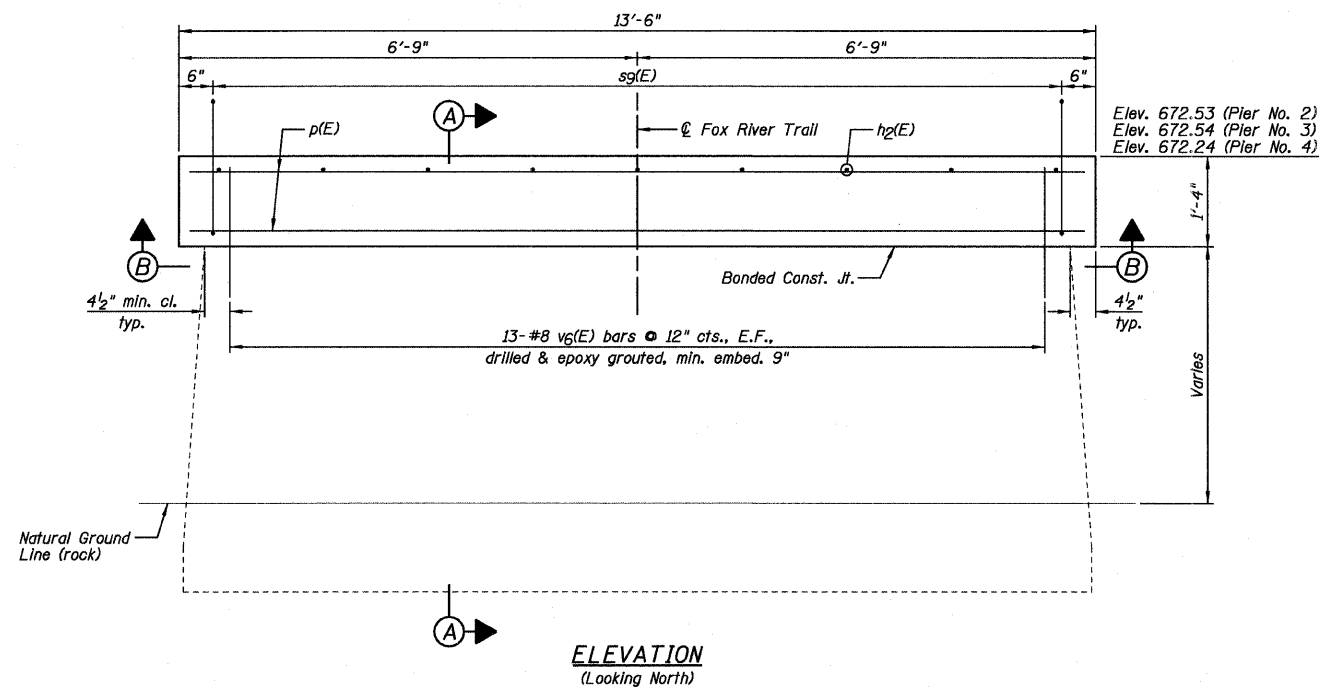
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	35
CONTRACT NO. 63643			ILLINOIS FED. AID PROJECT	



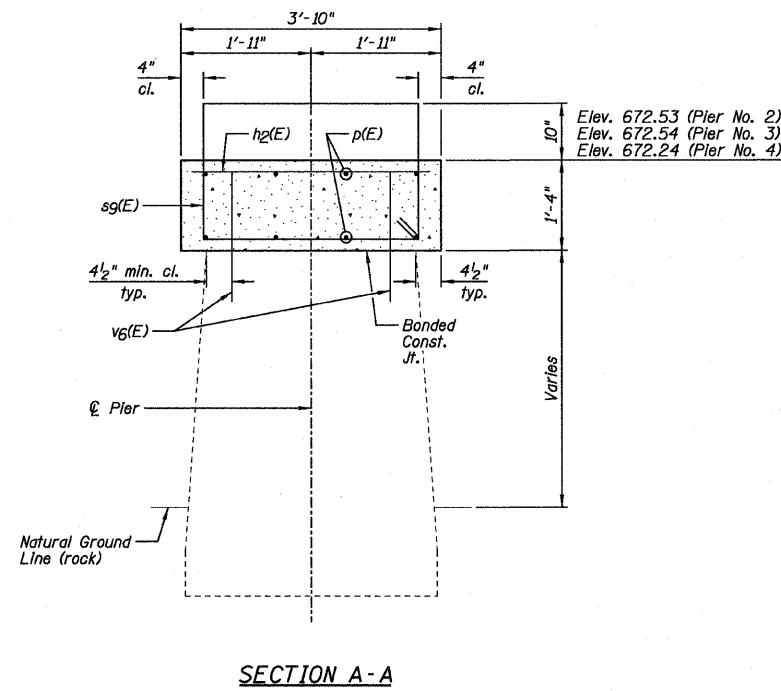
TOP PLAN VIEW



SECTION B-B



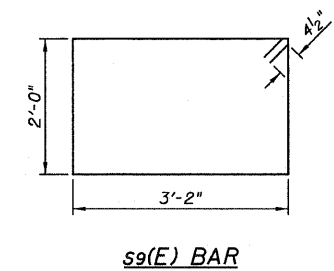
ELEVATION  
(Looking North)



SECTION A-A

PIER NO. 2 THRU PIER NO. 4  
BILL OF MATERIAL  
(For one pier only)

Bar	No.	Size	Length	Shape
h2(E)	9	#4	3'-6"	
p(E)	8	#7	13'-2"	
sg(E)	9	#4	11'-1"	□
v6(E)	26	#8	1'-11"	
Item		Unit	Quantity	
Concrete Structures		Cu. Yd.	2.5	
Reinforcement Bars, Epoxy Coated		Pound	440	



s9(E) BAR

- NOTES:
- 1.) E.F. denotes Each Face.
  - 2.) Drill & epoxy grout v6(E) bars in appropriate drilled holes according to Section 584 of the Standard Specifications. The type of epoxy grout shall be approved by the Engineer.

Farnsworth  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

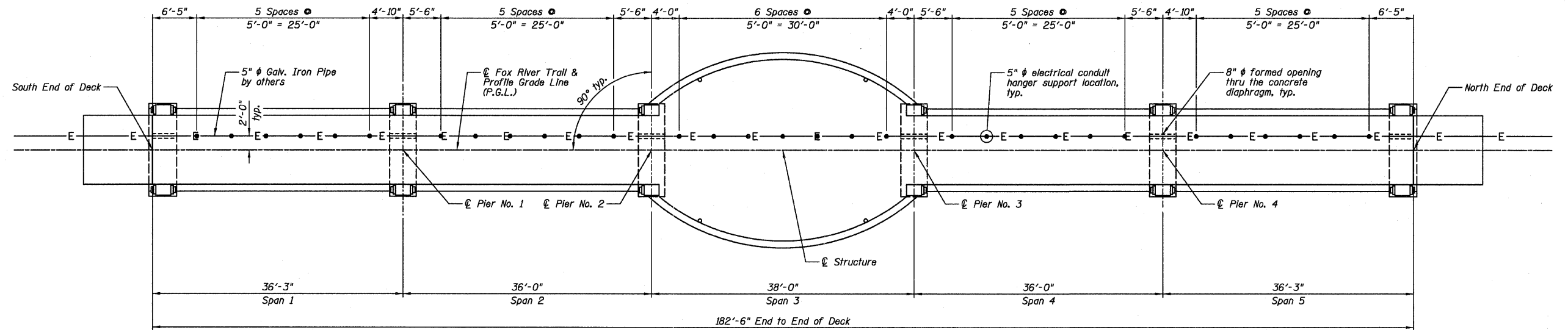
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CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED
DATE - 10/17/11	

GENEVA PARK DISTRICT  
GENEVA, ILLINOIS

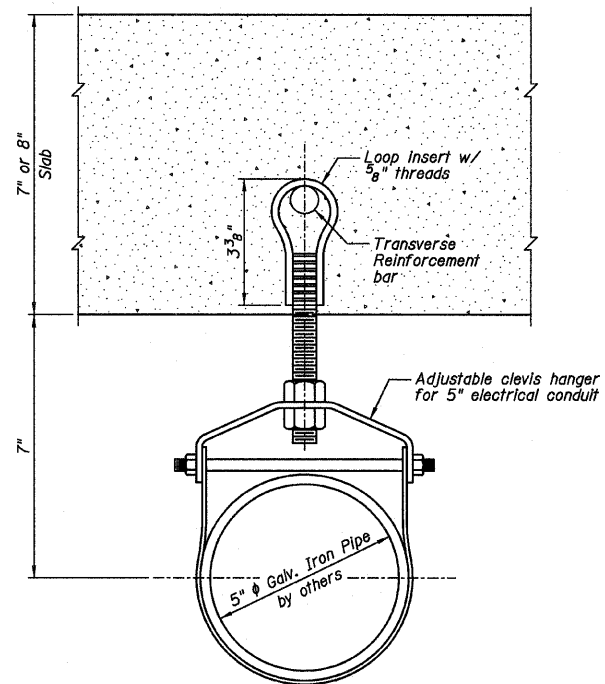
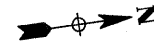
PIER NO. 2 THRU PIER NO. 4 REPLACEMENT  
ISLAND PARK NORTH BRIDGE

SHEET NO. B27 OF 31 SHEETS

F.A. RTE. N/A	SECTION 06-P4005-00-BR	COUNTY KANE	TOTAL SHEETS 42	SHEET NO. 36
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



PLAN



HANGER SUPPORT DETAIL

BILL OF MATERIAL

Item	Unit	Quantity
Pipe Support	Each	31

NOTE:

See the "Diaphragm Details" for the 8" formed openings thru the concrete diaphragms.

**Farnsworth**  
GROUP, INC.  
2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8435, 309/663-1571 fax

DESIGNED - JML/JCZ  
CHECKED - JML  
DRAWN - DJM  
DATE - 10/17/11

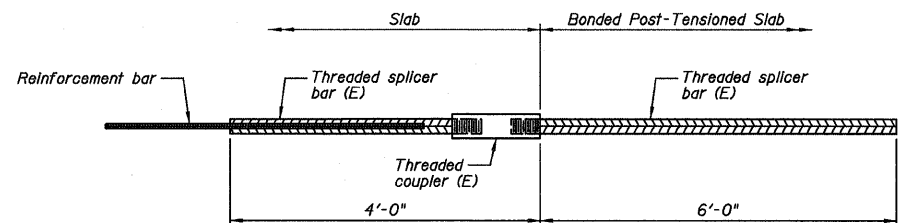
REVISOR  
REVISION  
REVISION  
REVISION

GENEVA PARK DISTRICT  
GENEVA, ILLINOIS

ELECTRICAL CONDUIT DETAILS  
ISLAND PARK NORTH BRIDGE

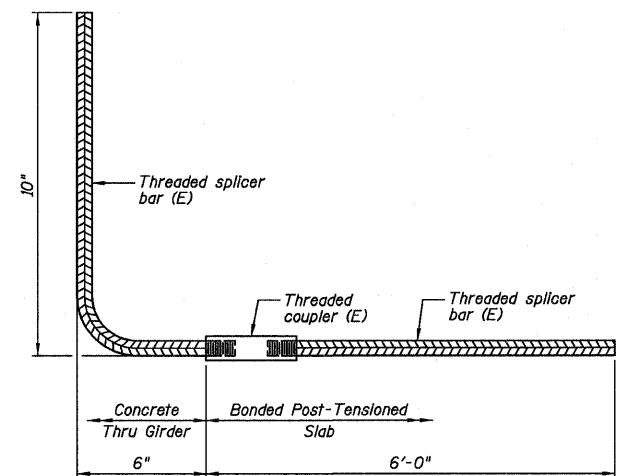
SHEET NO. B28 OF 31 SHEETS

F.A. RTE. N/A	SECTION 06-P4005-00-BR	COUNTY KANE	TOTAL SHEETS 42	SHEET NO. 37
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



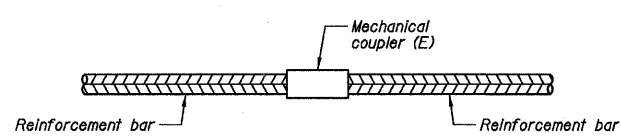
**BAR SPLICER ASSEMBLY FOR #5 BAR**  
(Pier No. 2 and Pier No. 3)

No. required = 20



**BAR SPLICER ASSEMBLY FOR #5 BAR**  
(Span No. 3)

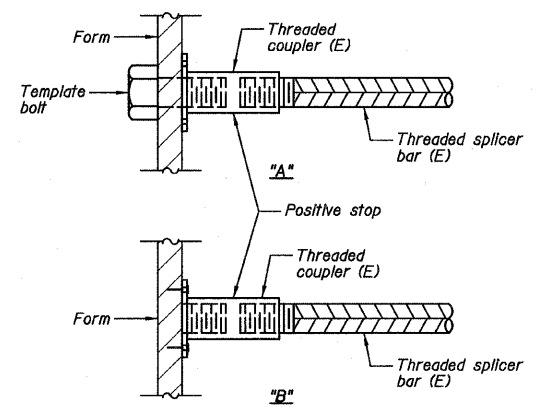
No. required = 72



**STANDARD MECHANICAL SPLICER**

Location	Bar Size	No. Assemblies Required
* Pier No. 2	#7	24
* Pier No. 3	#7	24

\* For girder to girder longitudinal reinforcement connection.



**INSTALLATION AND SETTING METHODS**

"A": Set bar splicer assembly by means of a template bolt.  
 "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
 (E): Indicates epoxy coating.

**NOTES:**

- 1.) Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
- 2.) All reinforcement shall be lapped and tied to the splicer bars.
- 3.) Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
- 4.) See special provision for Mechanical Splicers.
- 5.) See approved list of bar splicer assemblies and mechanical splicers for alternatives.

**Farnsworth GROUP, INC.**  
 2709 McGraw Drive  
 Bloomington, Illinois 61704  
 309/663-8436, 309/663-1571 fax

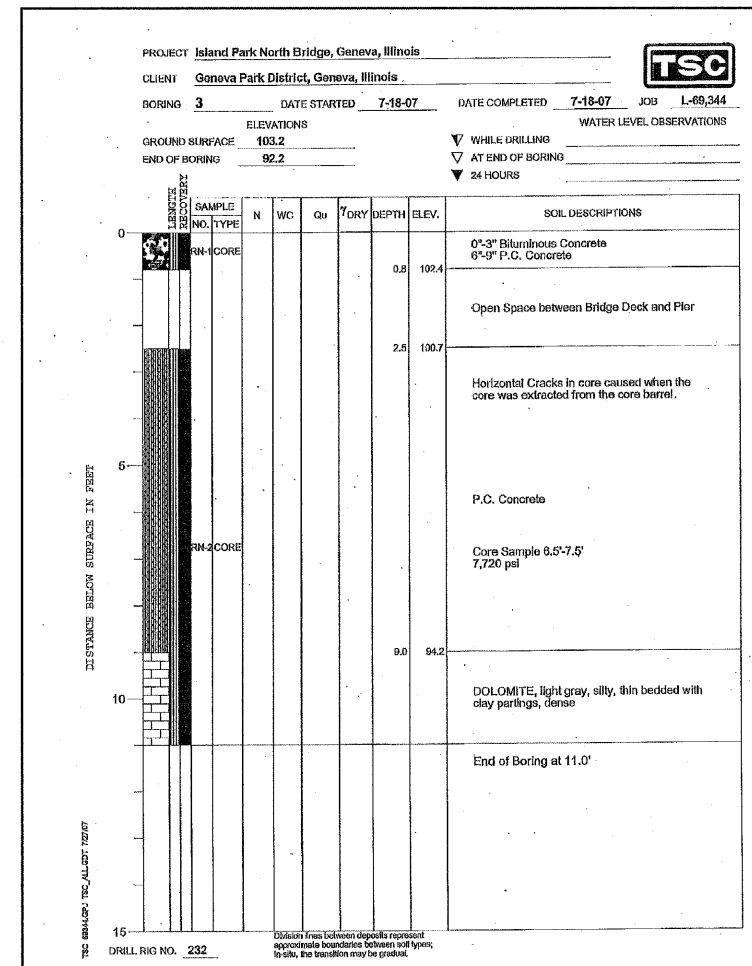
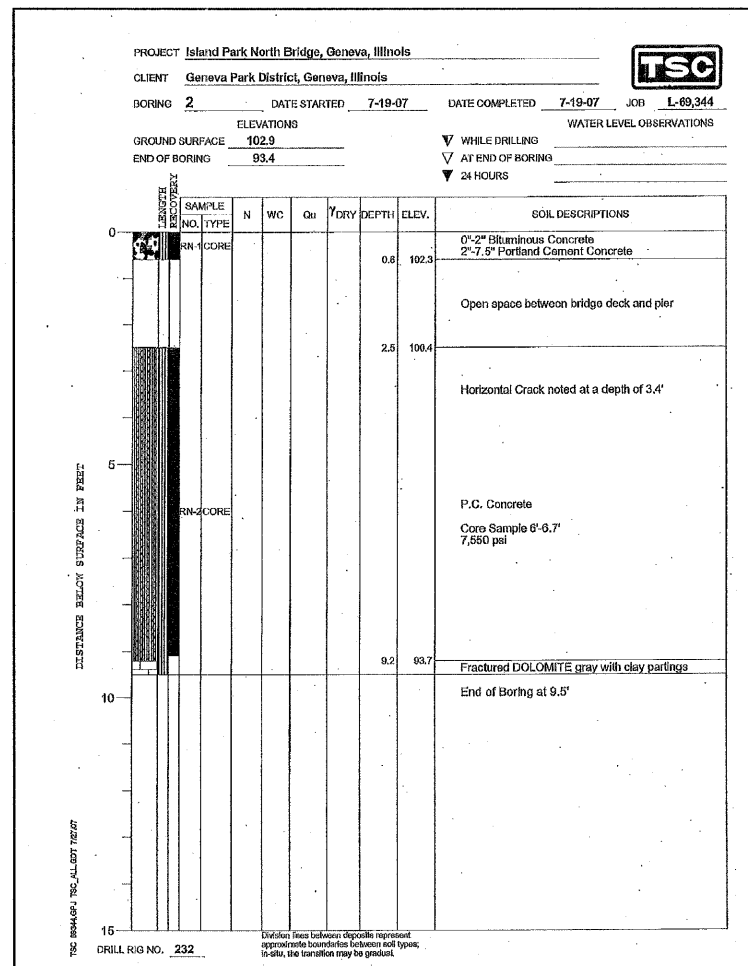
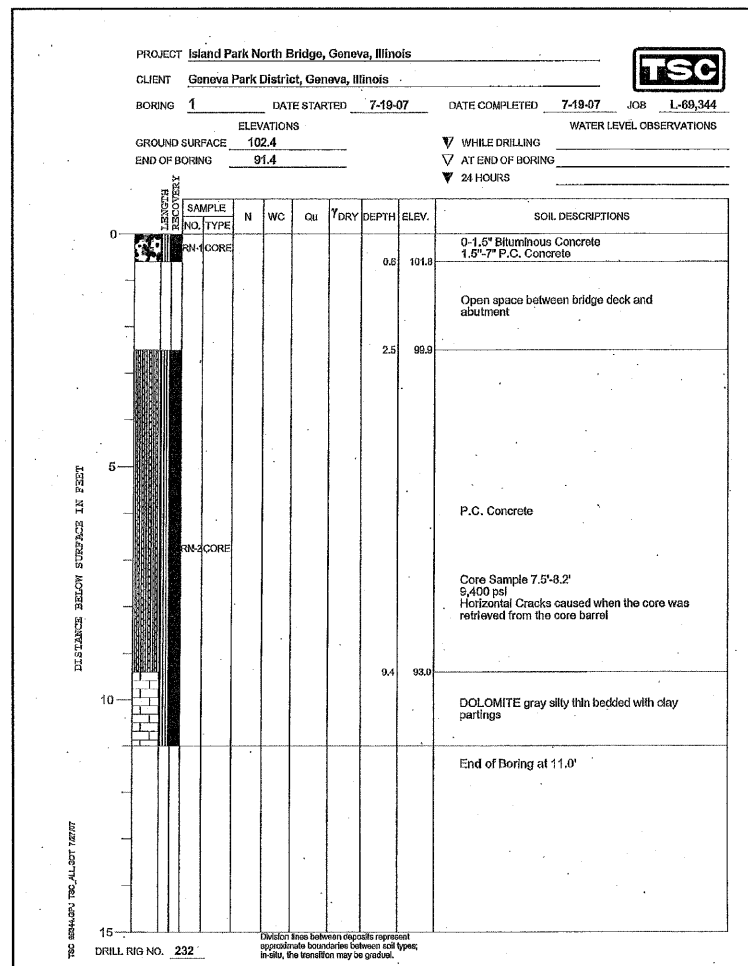
DESIGNED - JML/JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED
DATE - 10/17/11	

**GENEVA PARK DISTRICT**  
**GENEVA, ILLINOIS**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS**  
**ISLAND PARK NORTH BRIDGE**

SHEET NO. B29 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	38
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				



**NOTE:**  
 Soil Boring Log Elevation 100.00 is approximately NAVD 88 Elevation 671.50.

**Farnsworth GROUP, INC.**  
 2708 McGraw Drive  
 Bloomington, Illinois 61704  
 309/953-8435, 309/953-1571 fax

DESIGNED - JML/JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED
DATE - 10/17/11	

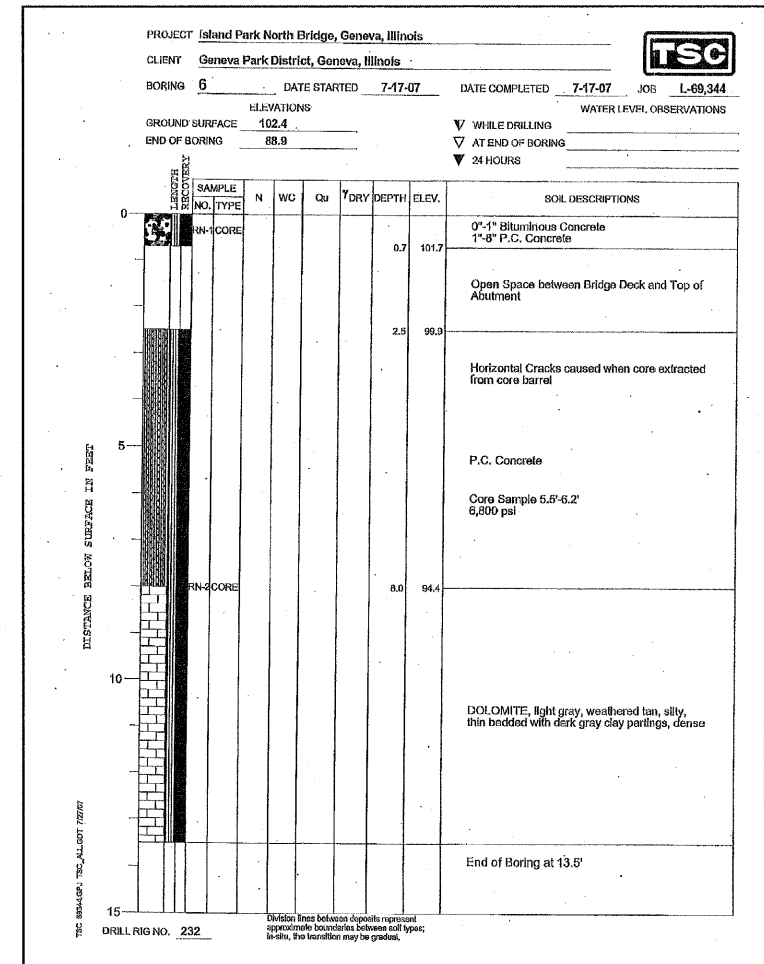
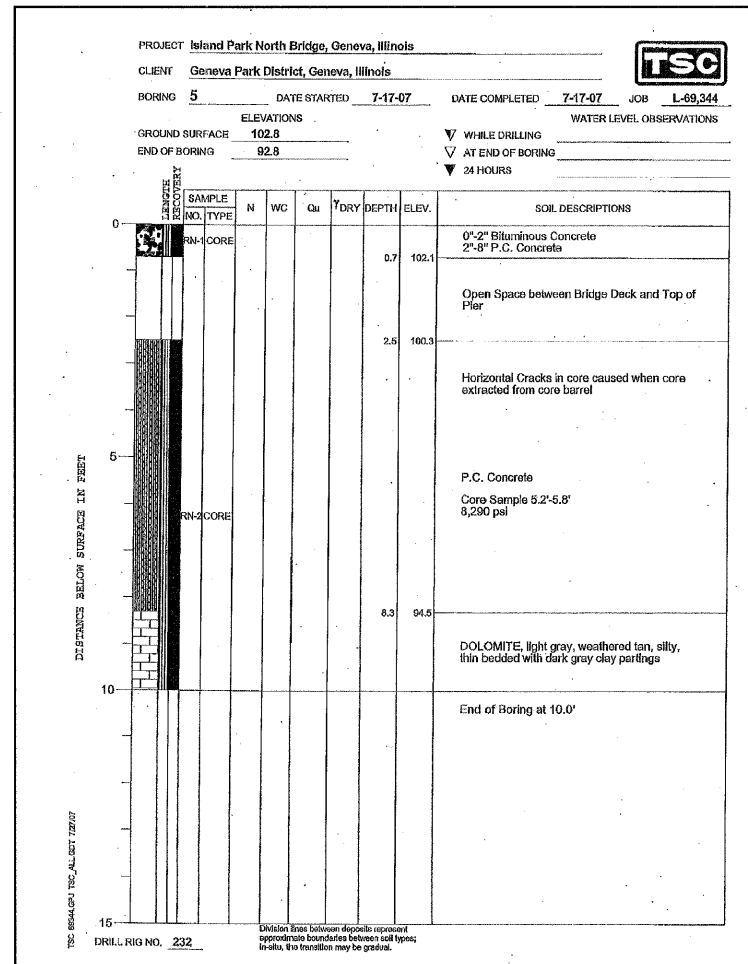
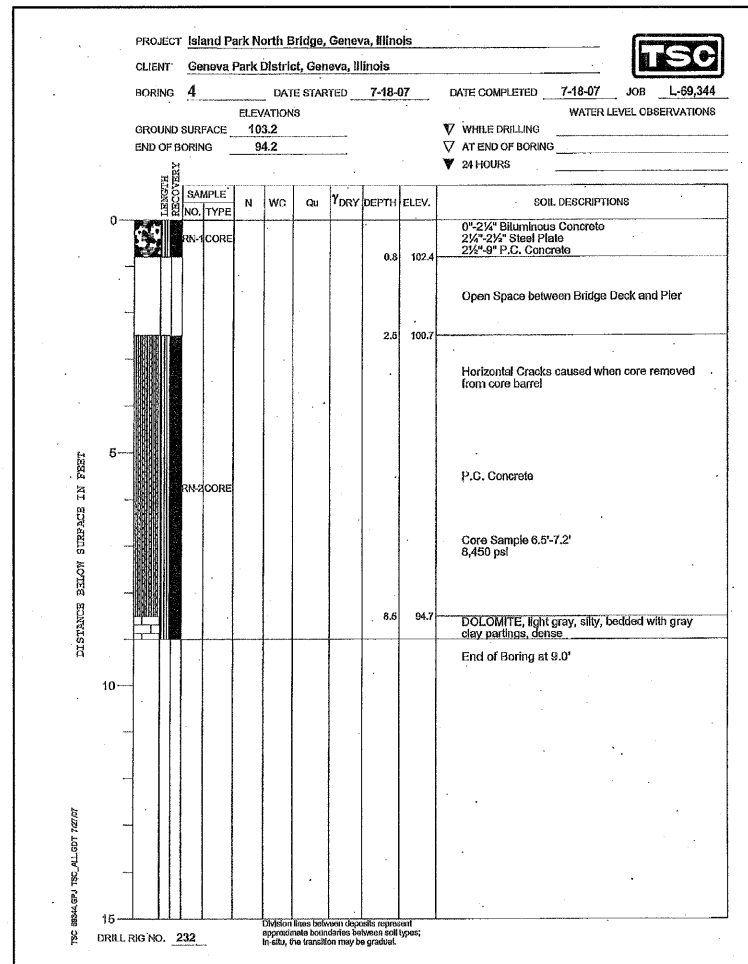
**GENEVA PARK DISTRICT  
 GENEVA, ILLINOIS**

**SOIL BORING LOGS  
 ISLAND PARK NORTH BRIDGE**

SHEET NO. B30 OF 31 SHEETS

F.A. RTE. N/A	SECTION 06-P4005-00-BR	COUNTY KANE	TOTAL SHEETS 42	SHEET NO. 39
CONTRACT NO. 63643				
ILLINOIS FED. AID PROJECT				

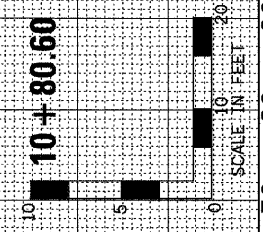
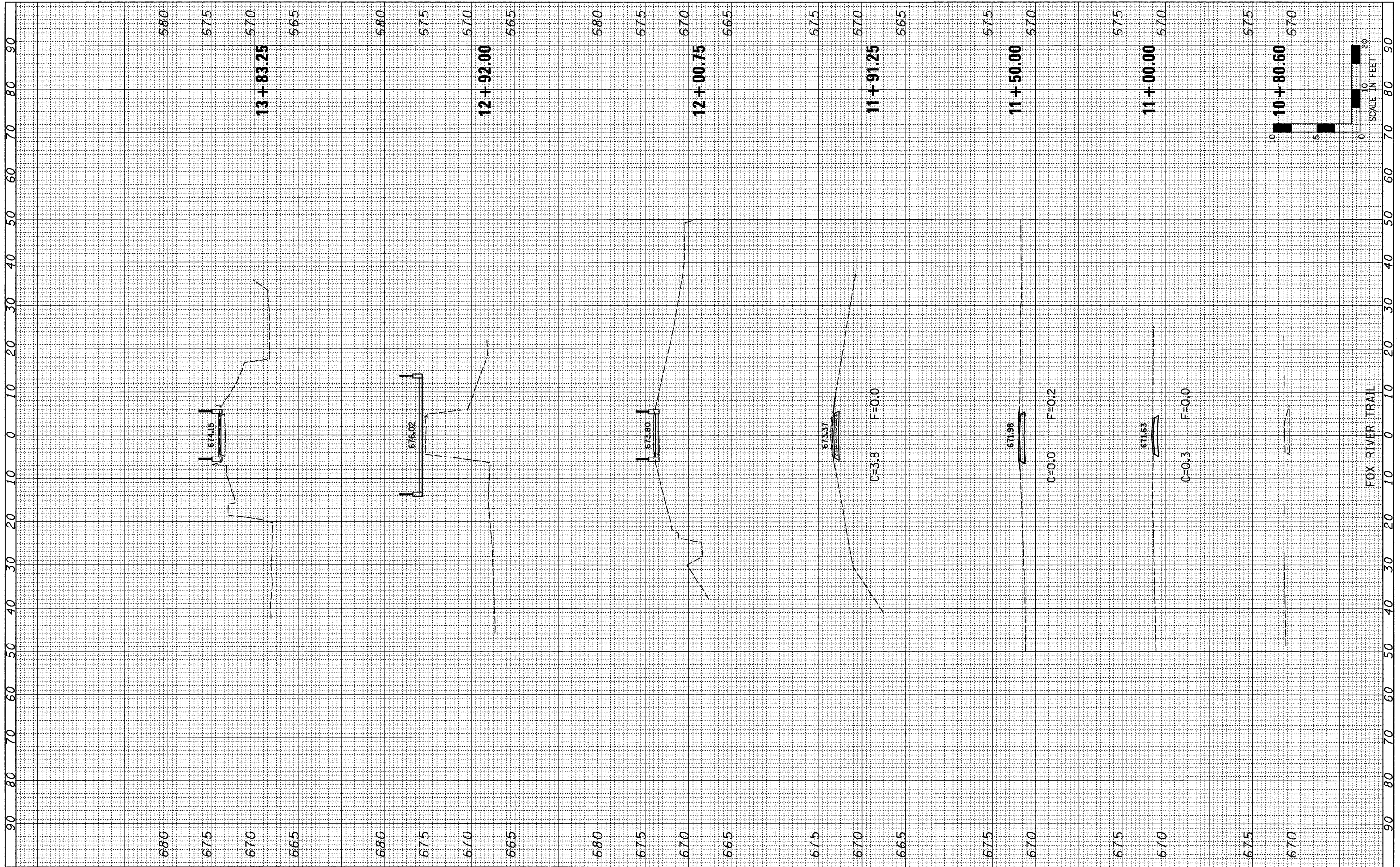




**NOTE:**  
 Soil Boring Log Elevation 100.00 Is approximately NAVD 88 Elevation 671.50.

FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	REPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	REPLATE		
	AREAS CHECKED		



**Farnsworth GROUP, INC.**  
 2709 McGraw Drive  
 Bloomington, Illinois 61704  
 309/663-8435, 309/663-1571 fax

USER NAME = #USER#	DESIGNED - SDH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - JJO	REVISED -
PLOT DATE = #DATE#	CHECKED - MSW	REVISED -
	DATE - 10/17/11	REVISED -

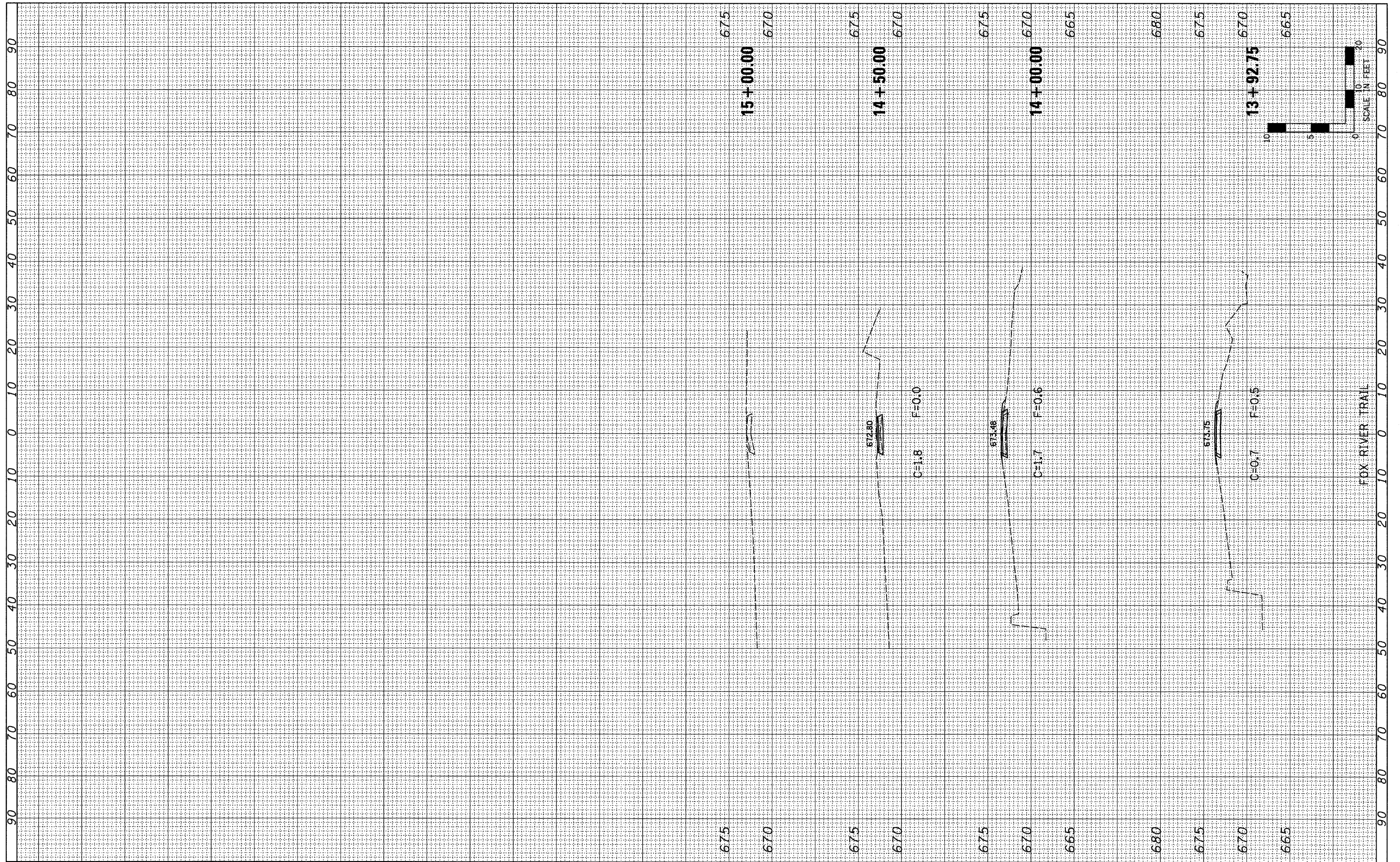
**GENEVA PARK DISTRICT  
 GENEVA, ILLINOIS**

CROSS SECTIONS			
ISLAND PARK NORTH BRIDGE			
SCALE: 1"=10'	SHEET NO.	OF SHEETS	STA. 10+80.60 TO STA. 13+83.25

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	41
CONTRACT NO. 63643				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	REVISOR		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	REVISOR		
	AREAS CHECKED		



**Farnsworth GROUP, INC.**  
 2709 McCraw Drive  
 Bloomington, Illinois 61704  
 309/953-8435, 309/953-1571 fax

USER NAME = \$USER\*  
 PLOT SCALE = \$SCALE\*  
 PLOT DATE = \$DATE\*

DESIGNED - SDH  
 DRAWN - JJO  
 CHECKED - MSW  
 DATE - 10/17/11

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**GENEVA PARK DISTRICT  
 GENEVA, ILLINOIS**

**CROSS SECTIONS  
 ISLAND PARK NORTH BRIDGE**

SCALE: 1"=10' SHEET NO. OF SHEETS STA. 13+92.76 TO STA. 15+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	42
CONTRACT NO. 63643				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				