

04-27-12 LETTING ITEM 010

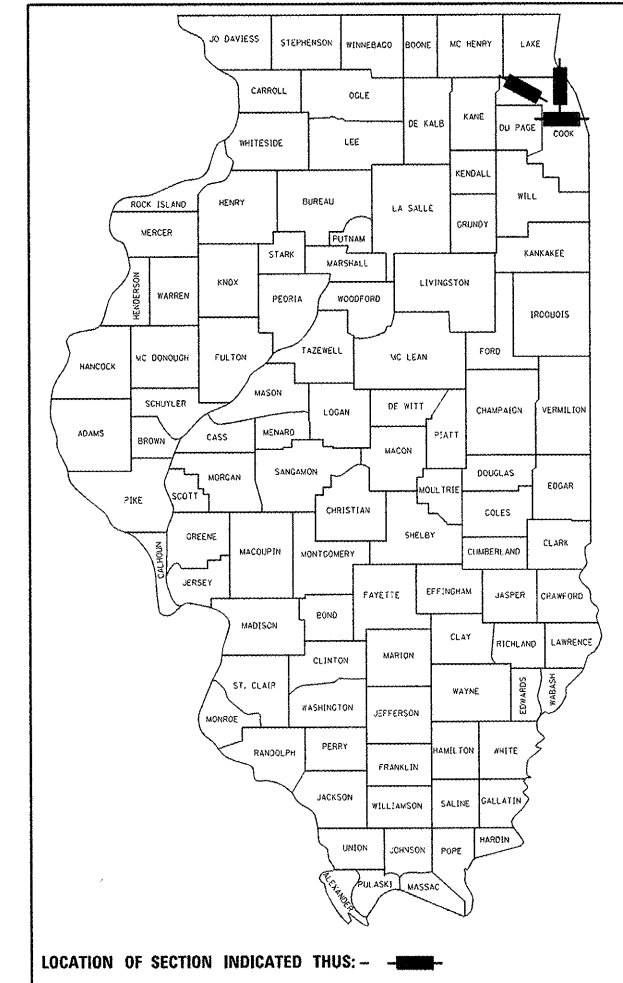
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

VARIOUS ROUTES  
SECTION 2011-212-1  
VARIOUS LOCATIONS IN NORTH COOK COUNTY  
SCOUR COUNTERMEASURES  
COOK COUNTY  
C-91-134-12

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	1
FED. ROAD DIST. NO 1	ILLINOIS	CONTRACT NO. 60R54		

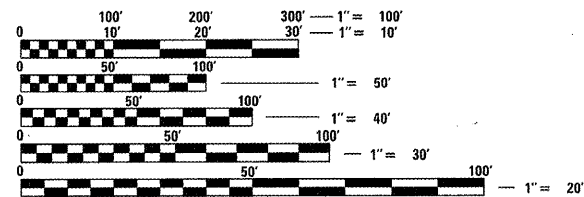
D-91-134-12



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR TRAFFIC DATA, SEE SHEET NO. 4

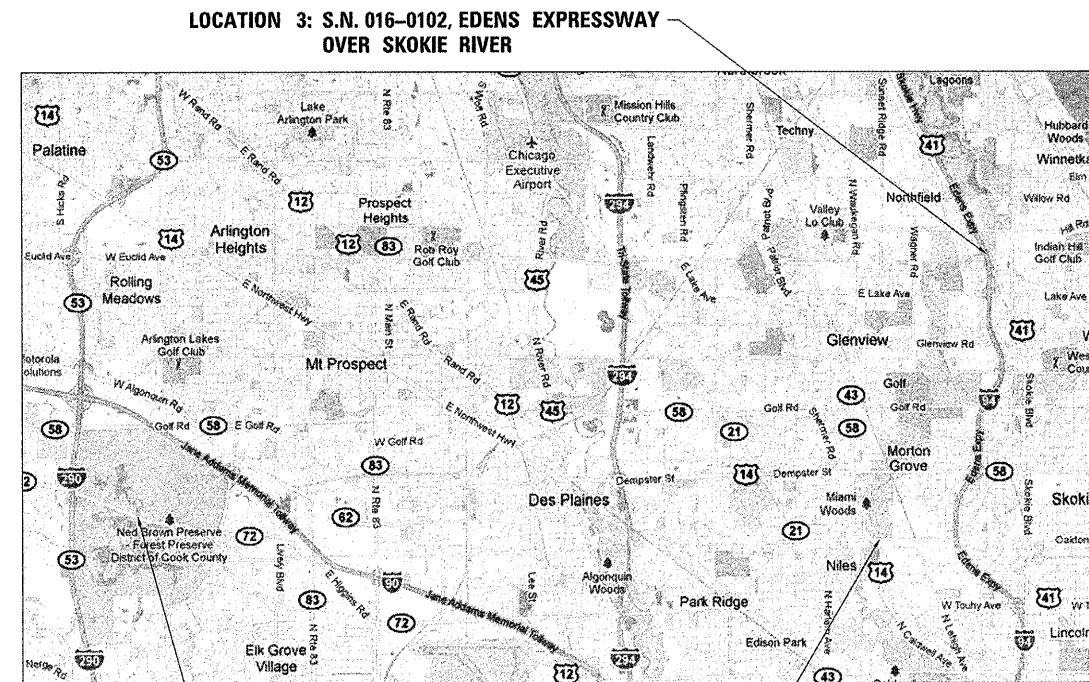
IMPROVEMENTS LOCATED IN THE  
VILLAGE OF ELK GROVE  
VILLAGE OF MORTON GROVE  
UNINCORPORATED COOK COUNTY

DISTRICT ONE - PLAN PREPARATION ENGINEER: KEN ENG: (847) 705-4247



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



LOCATION 3: S.N. 016-0102, EDENS EXPRESSWAY OVER SKOKIE RIVER

LOCATION 2: S.N. 016-0555, OAKTON STREET OVER NORTH BRANCH OF THE CHICAGO RIVER

LOCATION 1: S.N. 016-0504, ILLINOIS ROUTE 72 OVER SALT CREEK



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 14, 2012  
Diana M. O'Keefe DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
March 23, 2012  
John D. Baranzelli, P.E. ACTING ENGINEER OF DESIGN AND ENVIRONMENT  
March 23, 2012  
William R. Freyer ACTING DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

Christopher M. Hartke  
EXPIRES: 11-30-13

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CONTRACT NO. 60R54

INDEX OF SHEETS

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LIST OF STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701402-09	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701501-04	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-07	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-02	TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 OR (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
3. EXCAVATION INTO THE STREAM BED FOR STONE RIPRAP INSTALLATION SHALL NOT BE DEEPER THAN THE BOTTOM OF THE FOOTING ON THE PIER OR ABUTMENT TO BE PROTECTED.
4. DEBRIS REMOVAL, IF ENCOUNTERED, SHALL BE INCLUDED IN THE COST OF THE STONE RIPRAP OR SLOPE MATTRESS.
5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS & CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION ORDERING OF MATERIAL.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. ALL AREAS (INCLUDING WETLAND AREAS) OUTSIDE THE LIMITS OF RIPRAP PLACEMENT AND/OR EXCAVATION WHICH ARE DISTURBED (WHERE EXISTING SOIL CONTOURS HAVE BEEN ALTERED AND/OR EXISTING VEGETATION HAD BEEN DESTROYED BY THE CONTRACTORS OPERATIONS) SHALL BE RESTORED BY REGRADING TO THE ORIGINAL CONTOURS AND/OR SEEDING WITH SEEDING, CLASS 4, AND MULCHING WITH EROSION CONTROL BLANKETS. PLACE TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKETS AS NEEDED. THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT THE COSTS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE CONTRACTOR IS ADVISED TO AVOID OR MINIMIZE ANY DISTURBANCE TO EXISTING VEGETATION OUTSIDE THE LIMITS OF RIPRAP PLACEMENT AND CHANNEL EXCAVATION.
9. THE CONTRACTOR MUST PROTECT PAVEMENT WHEN DUMPING RIPRAP ONTO PAVEMENT AND WILL BE RESPONSIBLE FOR RESTORING PAVEMENT MARKINGS.
10. ANY GUARDRAIL OR SIGNS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND AT THE CONTRACTORS EXPENSE.
11. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
12. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
13. THE CONTRACTOR SHALL SUBMIT DEWATERING AND SEDIMENT CONTROL PLANS FOR EACH SITE TO THE ENGINEER FOR APPROVAL.
14. THE CONTRACTOR SHALL CONTACT THE ENGINEER AFTER DEWATERING FOR FINAL RIPRAP.
15. NIGHT TIME CLOSURES WILL NOT BE REQUIRED FOR THIS PROJECT.
16. UNLESS OTHERWISE NOTED, EXCAVATION OF MATERIAL REQUIRED TO INSTALL STONE RIPRAP SHALL BE INCLUDED IN THE ITEM BEING INSTALLED.
17. THE CONTRACTOR SHALL PROTECT THE EXISTING USGS STREAMFLOW MONITORING STATION ALONG THE IL ROUTE 72 OVER SALT CREEK BRIDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
18. THIS PROJECT REQUIRES US ARMY CORPS OF ENGINEERS 404 PERMITS. THE PERMITS ISSUED TO THE DEPARTMENT DOES NOT COVER THE IN STREAM WORK BY THE CONTRACTOR. THEREFORE AFTER AWARD, THE CONTRACTOR WILL NEED TO SUBMIT THE WORK PLAN TO THE CORPS. THE CORPS WILL NOT BE PROVIDING AN APPROVAL UNLESS STATED OTHERWISE IN THE PERMIT AND IN STREAM WORK CAN COMMENCE AT THE CONTRACTOR'S DISCRETION. GUIDELINES ON ACCEPTABLE IN STREAM WORK TECHNIQUES CAN BE FOUND ON THE CORPS WEBSITE: [HTTP://WWW.LRC.USACE.ARMY.MIL/](http://www.lrc.usace.army.mil/)

COMMITMENTS

NONE

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	DRAWN - S. PERNAL	REVISED -
PLOT SCALE =	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 2/21/2012	DATE - 2/21/12	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LIST OF STATE STANDARDS, AND GENERAL NOTES

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	2
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R54	

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITY	0014		
CODE NO.	ITEM	UNIT		LOCATION 1 IL RTE 72 COOK CO	LOCATION 2 OAKTON ST. COOK CO	LOCATION 3 EDENS EXPY COOK CO
28100107	STONE RIPRAP, CLASS A4	SO YD	900			900
28200200	FILTER FABRIC	SO YD	2,515	516	934	1065
28401000	SLOPE MATTRESS 12"	SO YD	1,027	359	668	
28400100	GABIONS	CU YD	84	27	57	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	2	2	2
67100100	MOBILIZATION	L SUM	1	0.34	0.33	0.33
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1		
X0301852	DEWATERING STRUCTURE NO. 1	EACH	1	1		
X0301853	DEWATERING STRUCTURE NO. 2	EACH	1		1	
X0301854	DEWATERING STRUCTURE NO. 3	EACH	1			1
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1			1
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	154.2	51.4	51.4	51.4

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

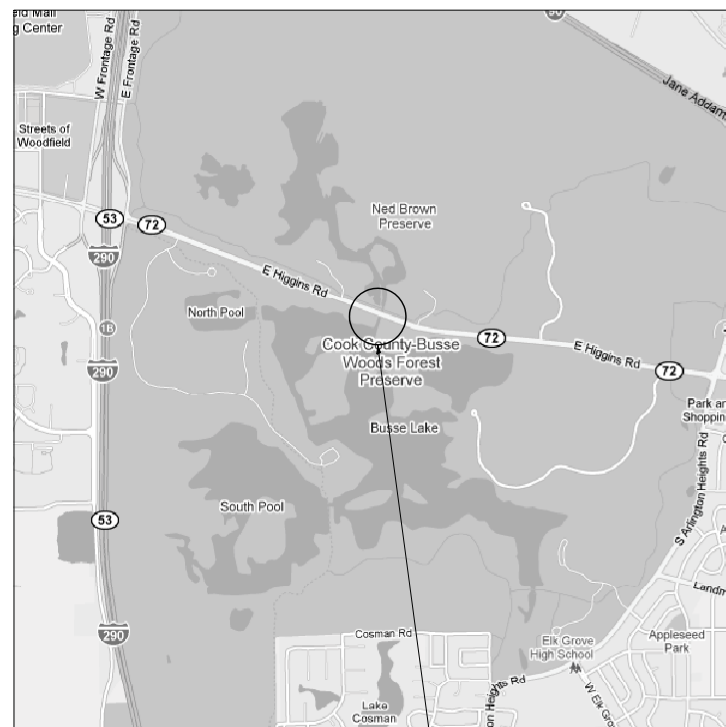
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CONTRACT NO.			60854	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**TRAFFIC DATA**  
**SPEED LIMIT = 45 MPH**  
**2009 ADT = 34,100**

**R. 11 E.**

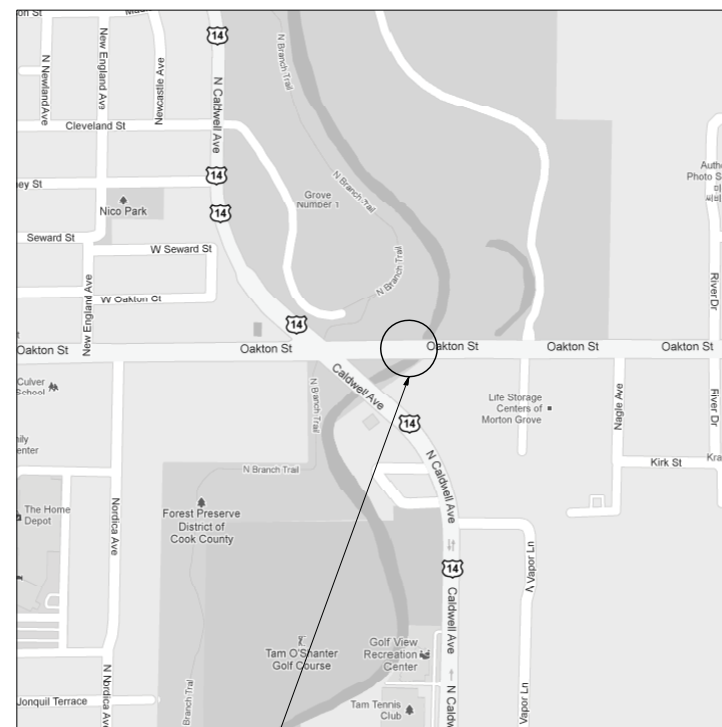


**T. 41 N.**

**LOCATION 1 – COOK COUNTY**  
**STRUCTURE NUMBER: 016-0504**  
**ILLINOIS ROUTE 72 OVER SALT CREEK**  
**LOCATED IN ELK GROVE TOWNSHIP**  
**VILLAGE OF ELK GROVE**

**TRAFFIC DATA**  
**SPEED LIMIT = 40 MPH**  
**2010 ADT = 29,000**

**R. 12 E.**

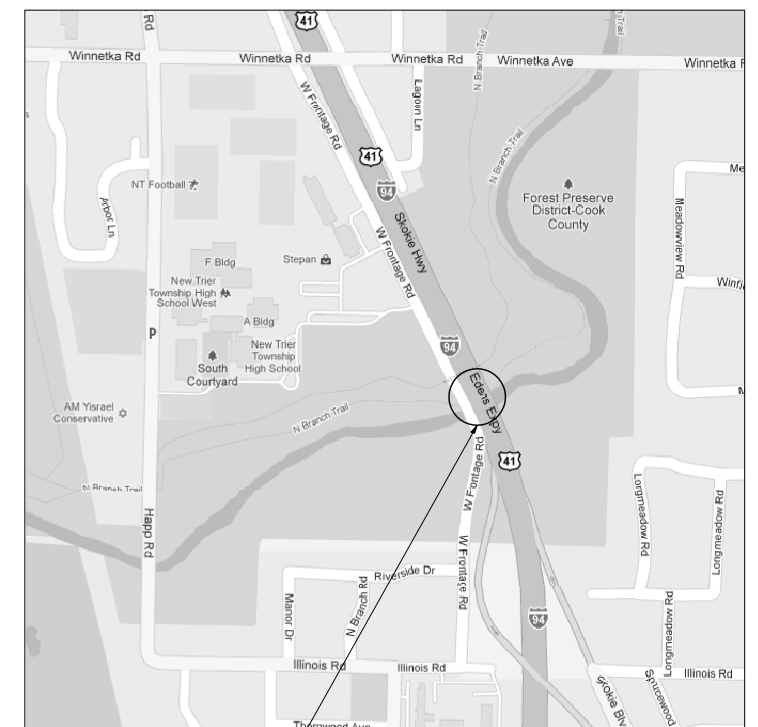


**T. 41 N.**

**LOCATION 2 – COOK COUNTY**  
**STRUCTURE NUMBER: 016-0555**  
**OAKTON STREET OVER NORTH BRANCH**  
**OF THE CHICAGO RIVER**  
**LOCATED IN NILES TOWNSHIP**  
**VILLAGE OF MORTON GROVE**

**TRAFFIC DATA**  
**SPEED LIMIT = 55 MPH**  
**2009 ADT = 155,000**

**R. 13 E.**



**T. 42 N.**

**LOCATION 3 – COOK COUNTY**  
**STRUCTURE NUMBER: 016-0102**  
**EDENS EXPRESSWAY OVER SKOKIE RIVER**  
**LOCATED IN NEW TRIER TOWNSHIP**  
**UNINCORPORATED COOK COUNTY**

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 PROJECT CONTACT: #PROJECT\_CONTACT1  
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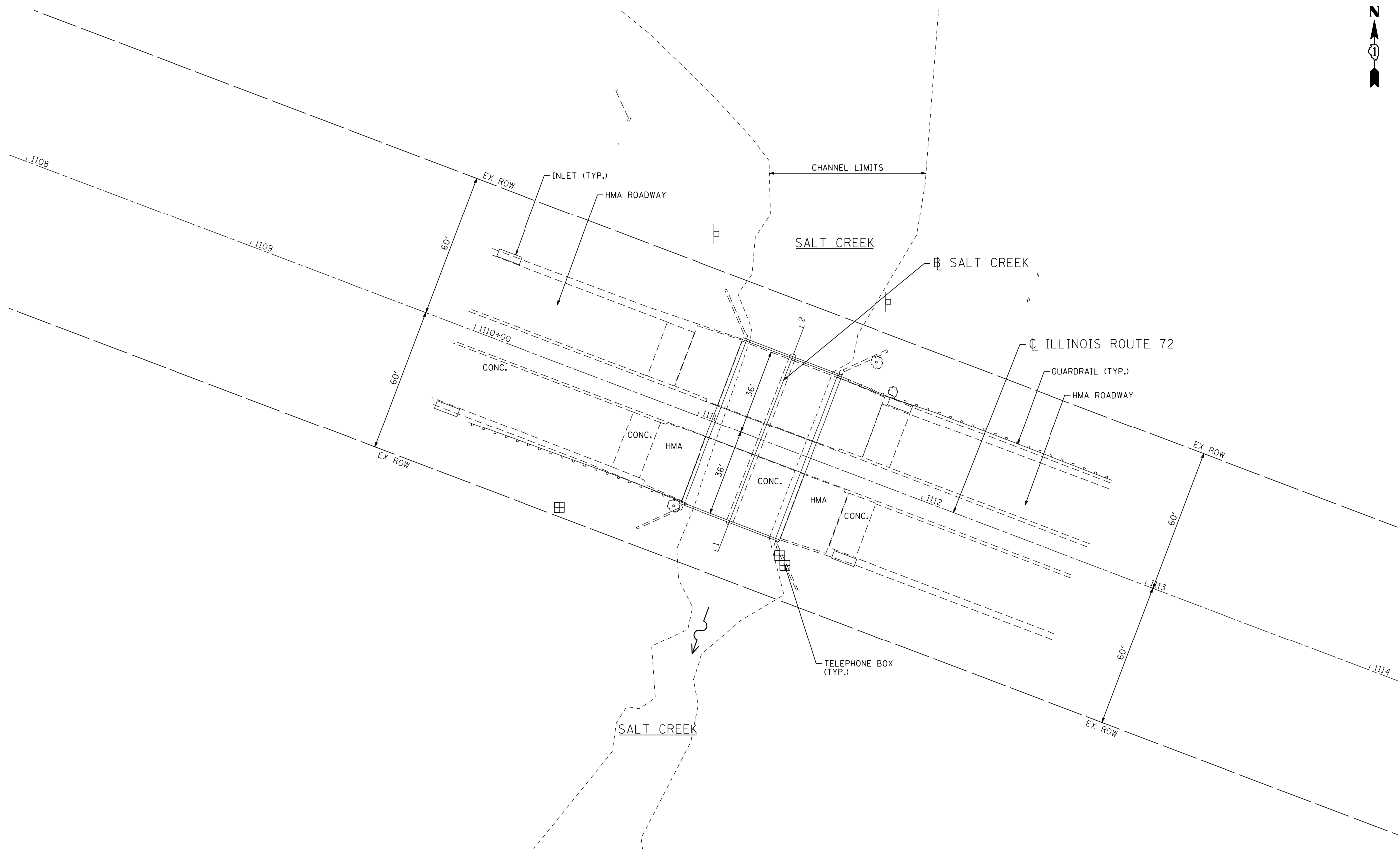
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	DATE - 2/14/12	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

**LOCATION MAP**  
**SCOUR COUNTERMEASURES**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R54	



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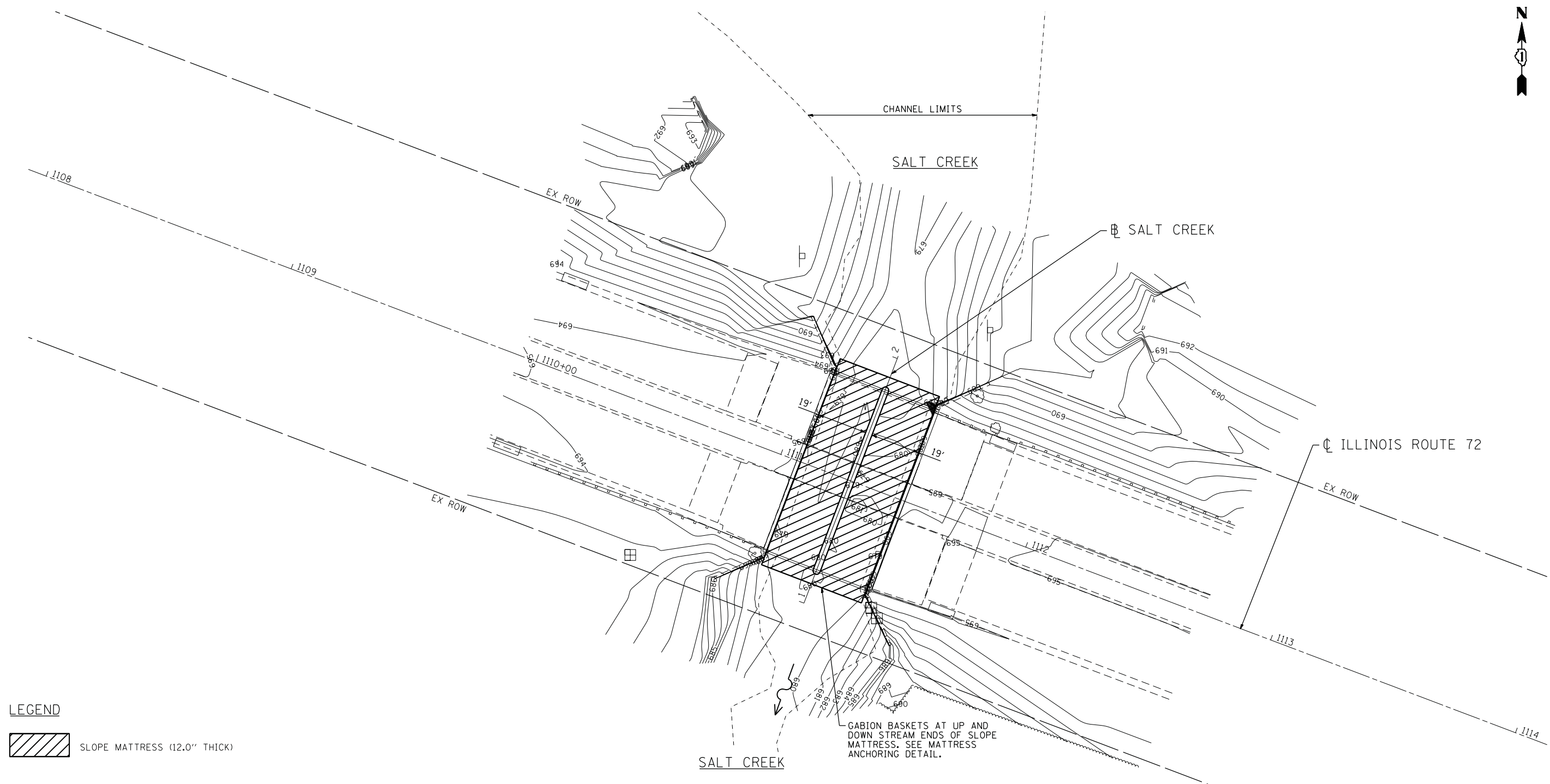


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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>SITE PLAN</b>	
<b>ILLINOIS ROUTE 72 OVER SALT CREEK</b>	
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS
STA. 1110+00	TO STA. 1113+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60R54



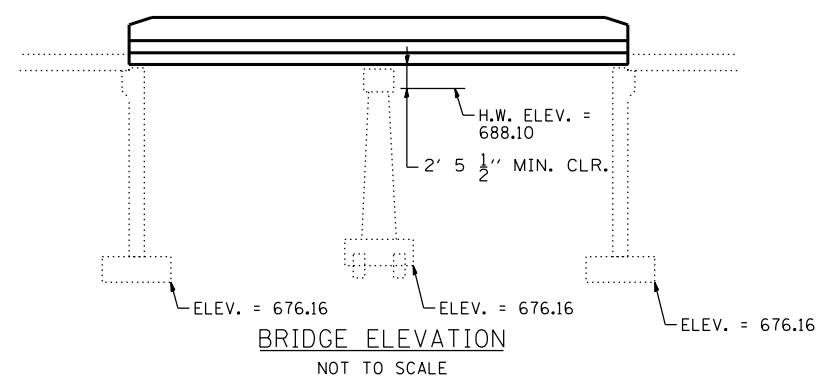
**LEGEND**

 SLOPE MATTRESS (12.0" THICK)

- BM 1 - 5/8" IRON ROD 100' WEST OF BRIDGE (IN MEDIAN)  
ELEV. = 695.17
- BM 2 - 5/8" IRON ROD 50' EAST OF BRIDGE (BEHIND SE INLET)  
ELEV. = 694.46

GABION BASKETS AT UP AND DOWN STREAM ENDS OF SLOPE MATTRESS. SEE MATTRESS ANCHORING DETAIL.

ACCESS TO THIS SITE IS LIMITED. THE CONTRACTOR SHALL ONLY ACCESS THIS SITE BY RAISING AND/OR LOWERING ALL EQUIPMENT AND MATERIAL OVER THE SIDES OF THE BRIDGE. THE CONTRACTOR WILL NOT BE ALLOWED OTHER ACCESS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



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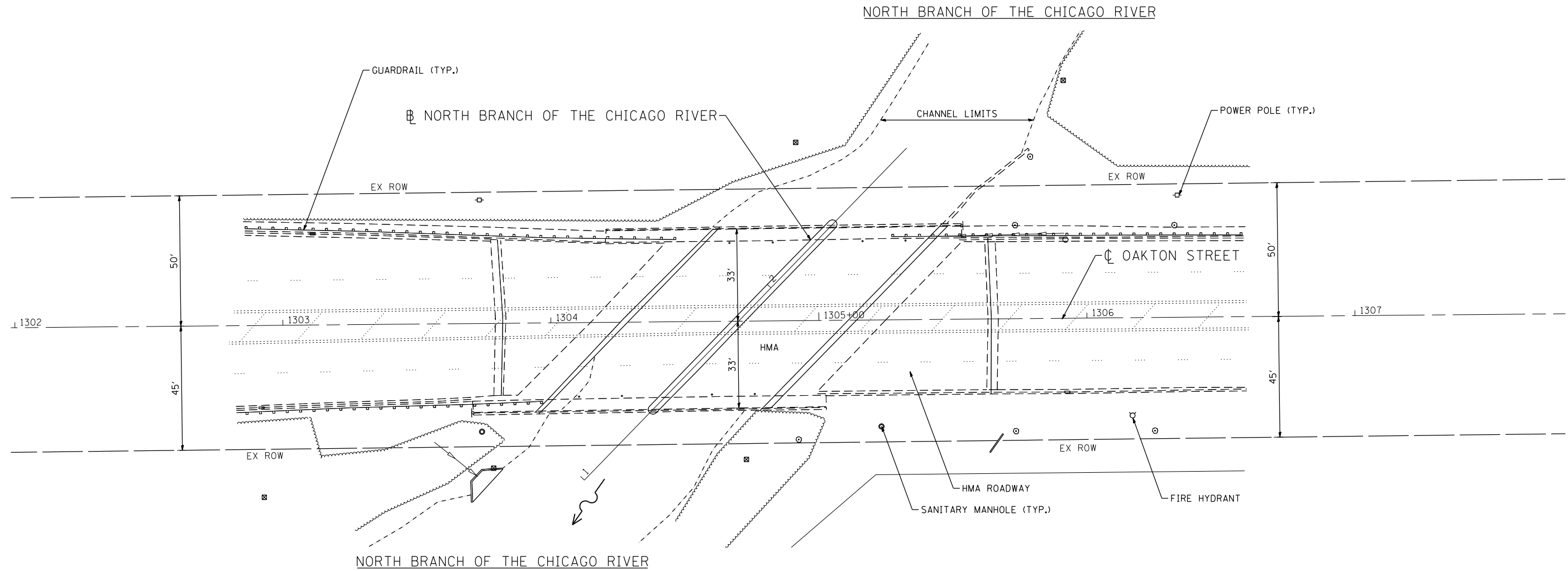
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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
ILLINOIS ROUTE 72 OVER SALT CREEK**

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 1110+00 TO STA. 1113+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60R54



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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SITE PLAN  
 OAKTON STREET OVER THE NORTH BRANCH OF CHICAGO RIVER**

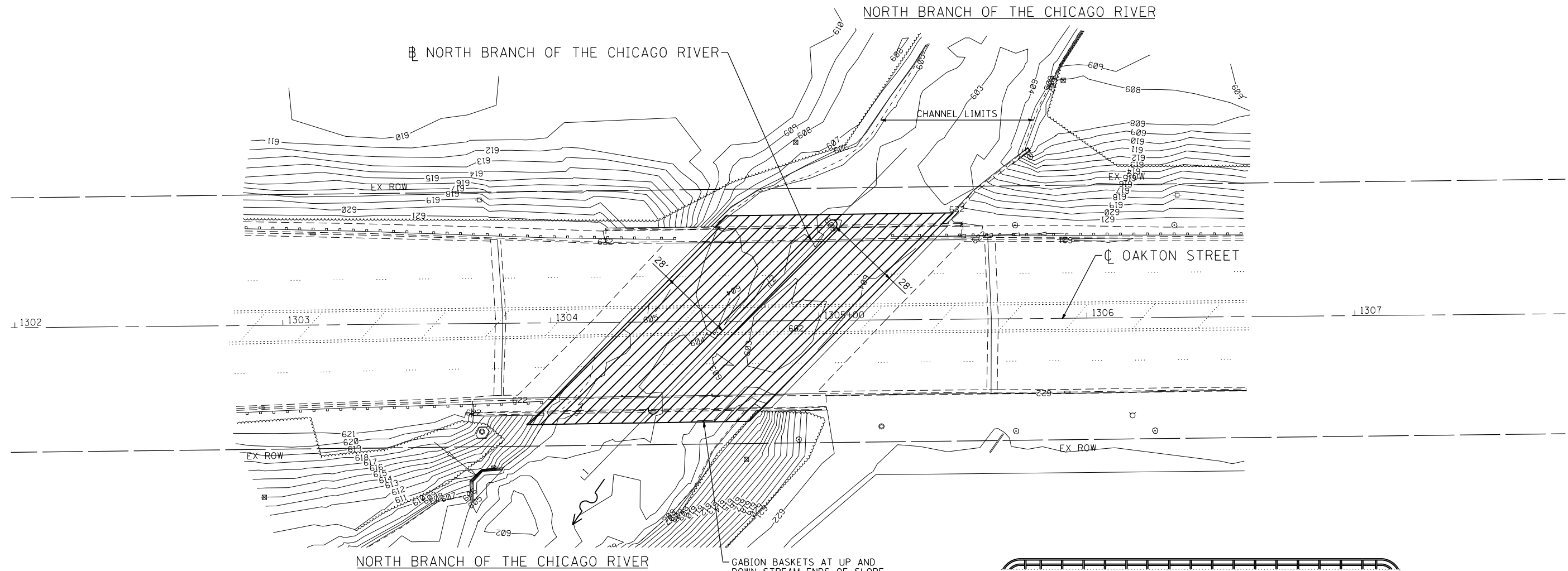
SCALE: 1"=20'    SHEET NO. 1 OF 2 SHEETS    STA. 1302+00 TO STA. 1307+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	7
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60R54

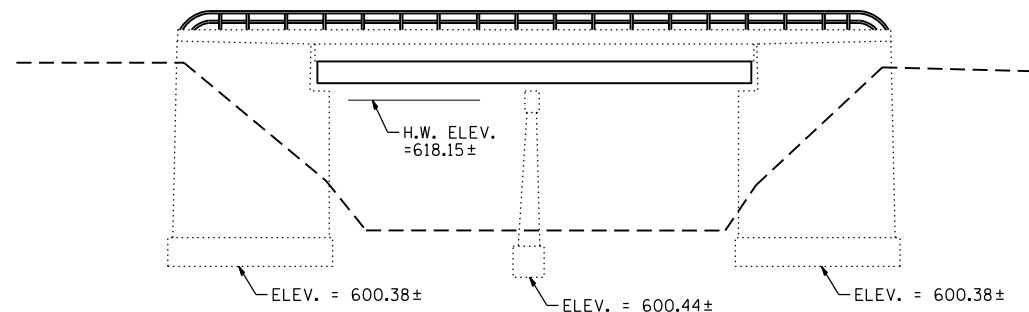
LEGEND

 SLOPE MATTRESS (12.0" THICK)

- BM 1 - SOUTHWEST BOLT ON TOP FLANGE OF FIRST HYDRANT 170' EAST OF BRIDGE (ON SOUTH SIDE)  
ELEV. = 622.85
- BM 2 - MAG NAIL 140' WEST OF BRIDGE (BEHIND WESTBOUND GUARDRAIL)  
ELEV. = 621.73



GABION BASKETS AT UP AND DOWN STREAM ENDS OF SLOPE MATTRESS. SEE MATTRESS ANCHORING DETAIL.



BRIDGE ELEVATION  
NOT TO SCALE

ACCESS TO THIS SITE IS LIMITED. THE CONTRACTOR SHALL ONLY ACCESS THIS SITE BY RAISING AND/OR LOWERING ALL EQUIPMENT AND MATERIAL OVER THE SIDES OF THE BRIDGE. THE CONTRACTOR WILL NOT BE ALLOWED OTHER ACCESS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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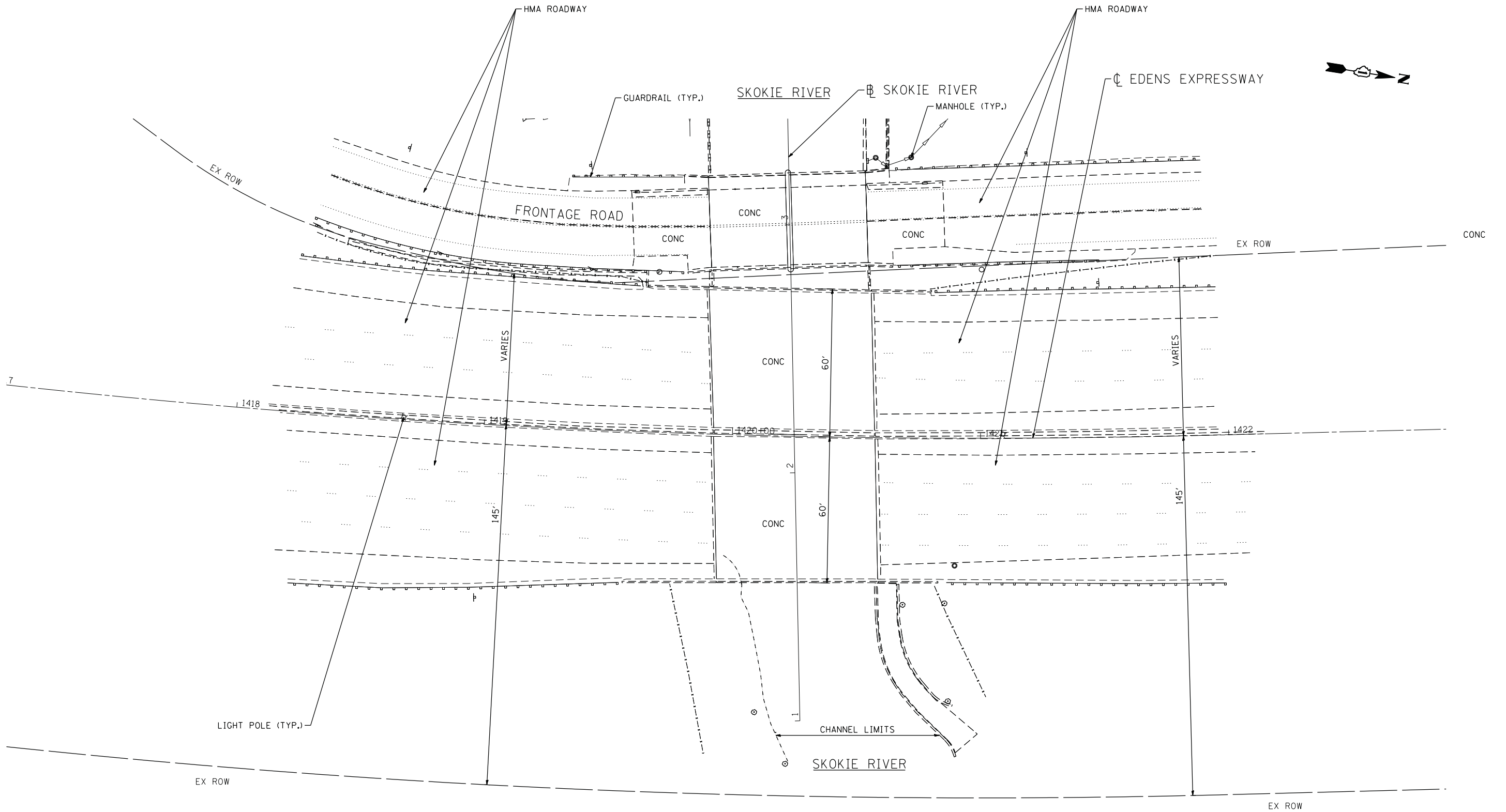
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN  
OAKTON STREET OVER THE NORTH BRANCH OF CHICAGO RIVER

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 1302+00 TO STA. 1307+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	8
CONTRACT NO.			60R54	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

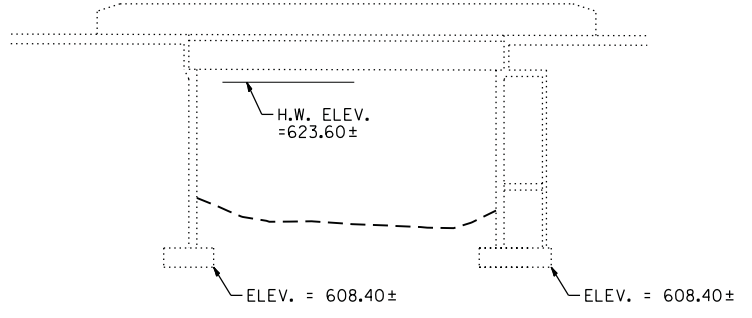
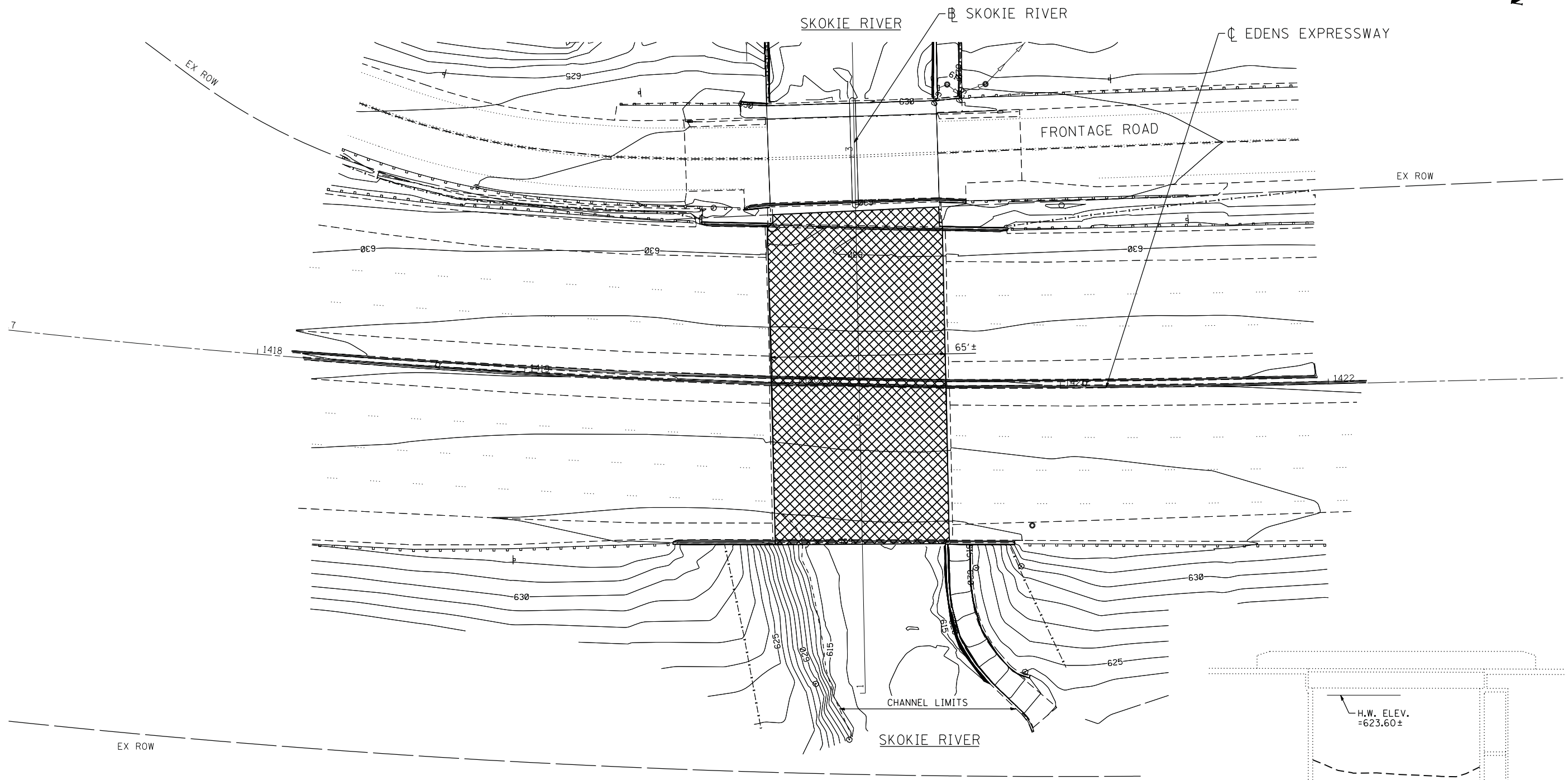
<b>SITE PLAN</b>	
<b>EDENS EXPRESSWAY OVER SKOKIE RIVER</b>	
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS
STA. 1417+00	TO STA. 1422+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	9
CONTRACT NO.			60R54	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

**LEGEND**

 STONE RIPRAP, CLASS A4 (2.3' THICK)

BM 1 - DISK SET IN CONCRETE WALL AT THE SOUTHWEST CORNER OF THE BRIDGE  
ELEV. = 628.15



ACCESS TO THIS SITE IS LIMITED. THE CONTRACTOR SHALL ONLY ACCESS THIS SITE BY RAISING AND/OR LOWERING ALL EQUIPMENT AND MATERIAL OVER THE SIDES OF THE BRIDGE. THE CONTRACTOR WILL NOT BE ALLOWED OTHER ACCESS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

COMPANY NAME: HRGreen  
PROJECT CONTACT: J. GUERRA  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

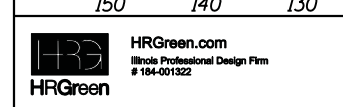
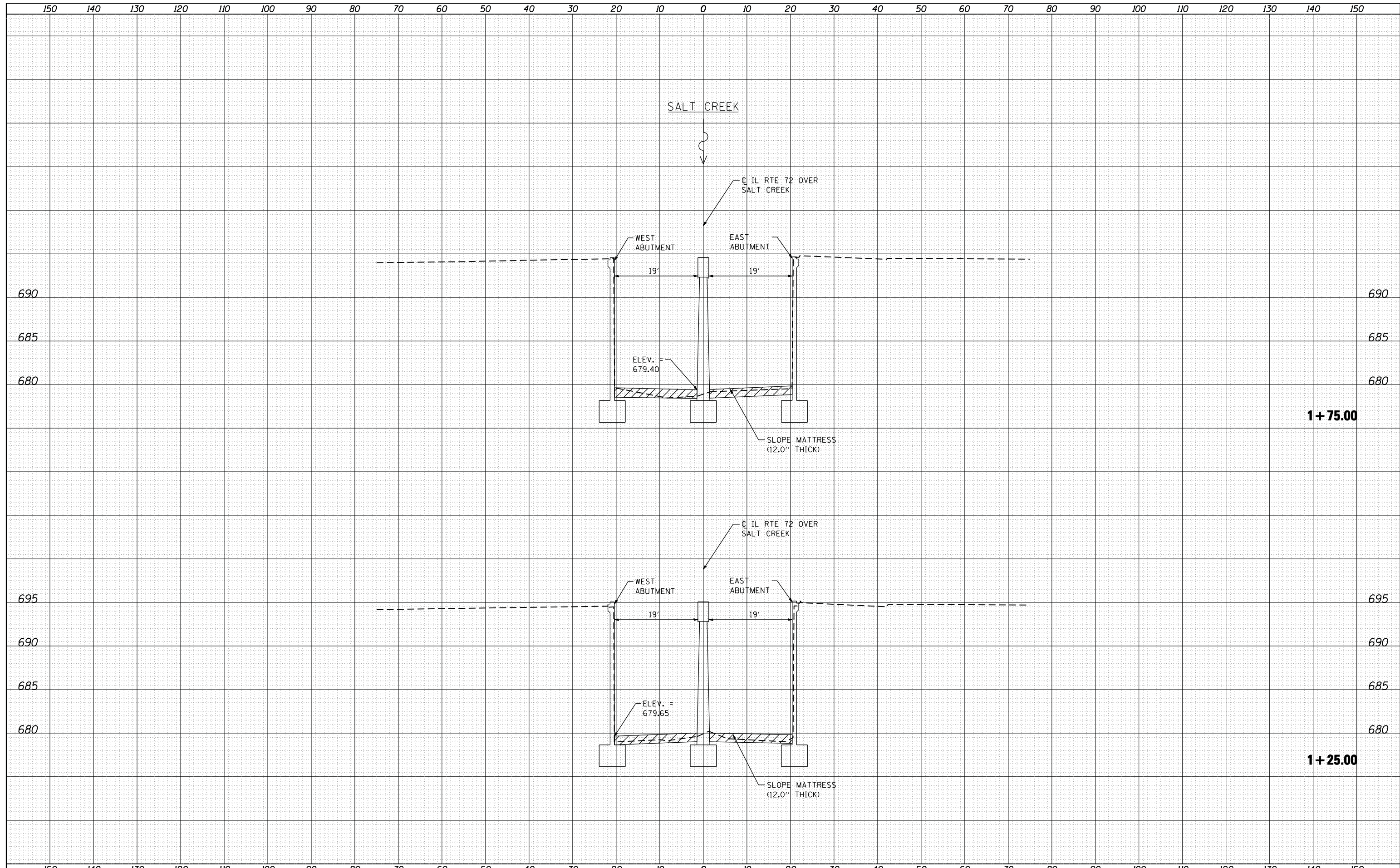
**EROSION AND SEDIMENT CONTROL PLAN  
EDENS EXPRESSWAY OVER SKOKIE RIVER**

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 1417+00 TO STA. 1422+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	10
		CONTRACT NO. 60R54		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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



USER NAME = JGuerr1	DESIGNED C. HARTKE	REVISED
	DRAWN S. PERNAL	REVISED
PLOT SCALE = 1:10H, 1:5V	CHECKED T. HAMILTON	REVISED
PLOT DATE = 2/15/2012	DATE 2/15/12	REVISED

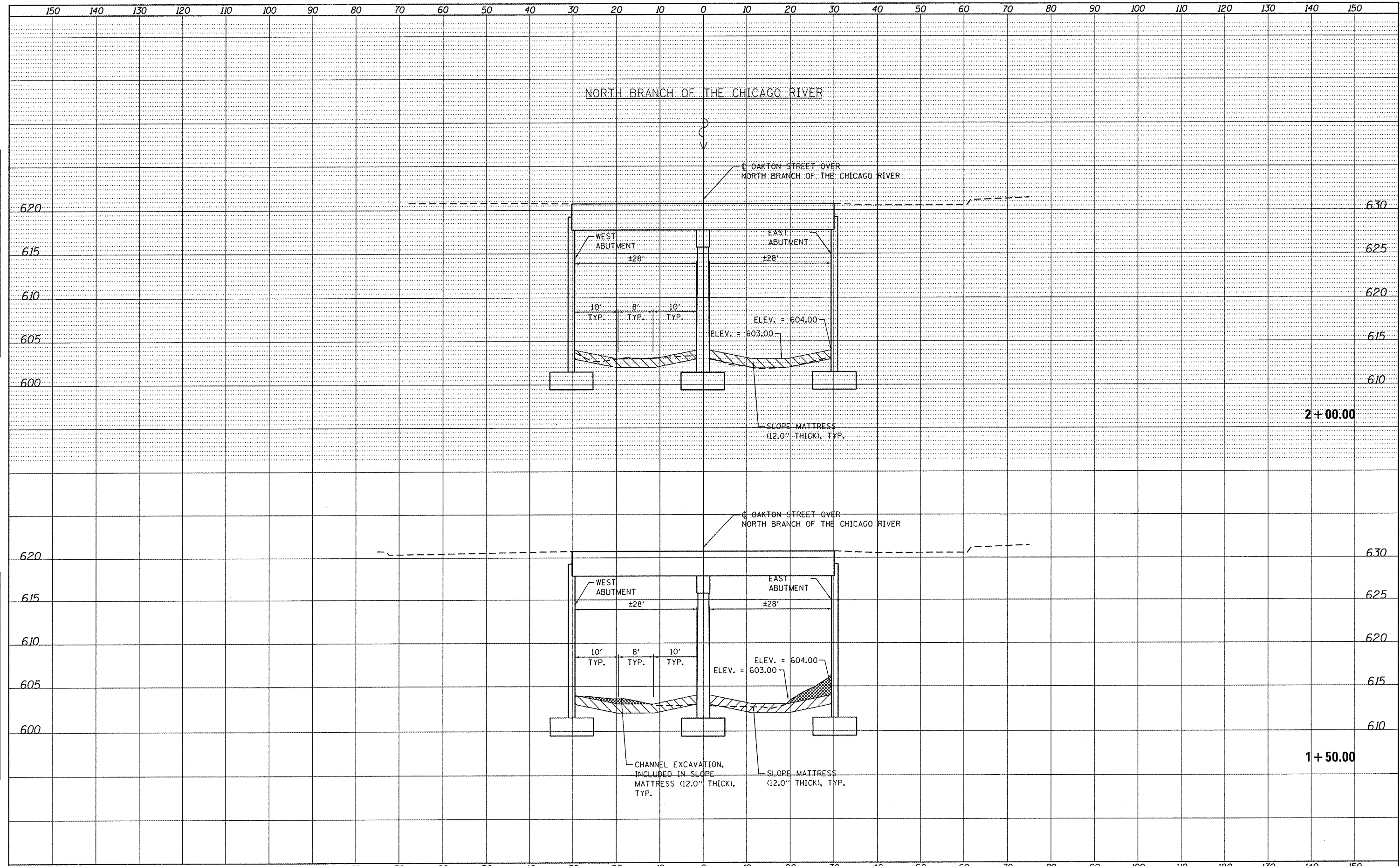
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS ILLINOIS ROUTE 72 OVER SALT CREEK</b>	
SCALE: 1:10H, 1:5V	SHEET NO. 1 OF 3 SHEETS
STA. 1+25.00	TO STA. 1+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	11
CONTRACT NO. 60R54			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
NOTE BOOK SURVEY	
AREAS CHECKED SURVEY	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
NOTE BOOK SURVEY	
AREAS CHECKED SURVEY	



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# 184-001322

USER NAME = jguerr	DESIGNED C. HARTKE	REVISED
	DRAWN S. PERNAL	REVISED
PLOT SCALE = 1:10H, 1:5V	CHECKED T. HAMILTON	REVISED
PLOT DATE = 2/21/2012	DATE 2/21/12	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
OAKTON STREET OVER THE NORTH BRANCH OF CHICAGO RIVER**

SCALE: 1:10H, 1:5V SHEET NO. 3 OF 3 SHEETS STA. 1+50.00 TO STA. 2+00.00

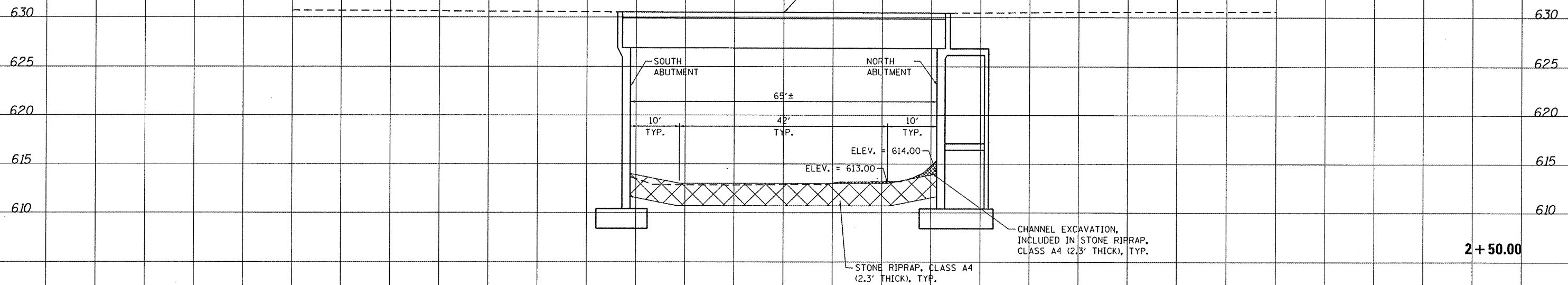
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	12
CONTRACT NO. 60R54			ILLINOIS FED. AID PROJECT	

50 40 30 20 10 0 10 20 30 40 50 60 70

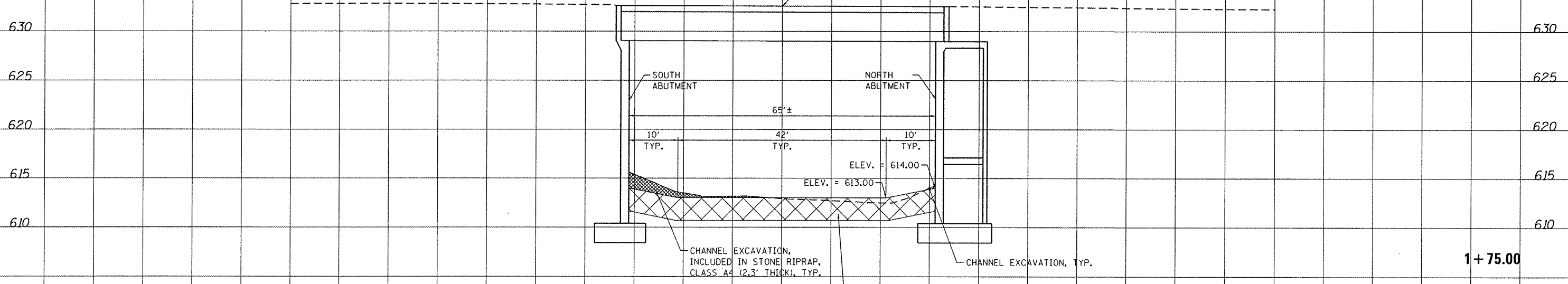
150 140 130 120 110 100 90 80 70 60 80 90 100 110 120 130 140 150

SKOKIE RIVER

EDENS EXPRESSWAY OVER SKOKIE RIVER



EDENS EXPRESSWAY OVER SKOKIE RIVER



DATE	
BY	
ORIGINAL SURVEY	
FLIPPED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
FLIPPED	
NOTE BOOK	
AREAS CHECKED	
NO.	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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 #184-001322

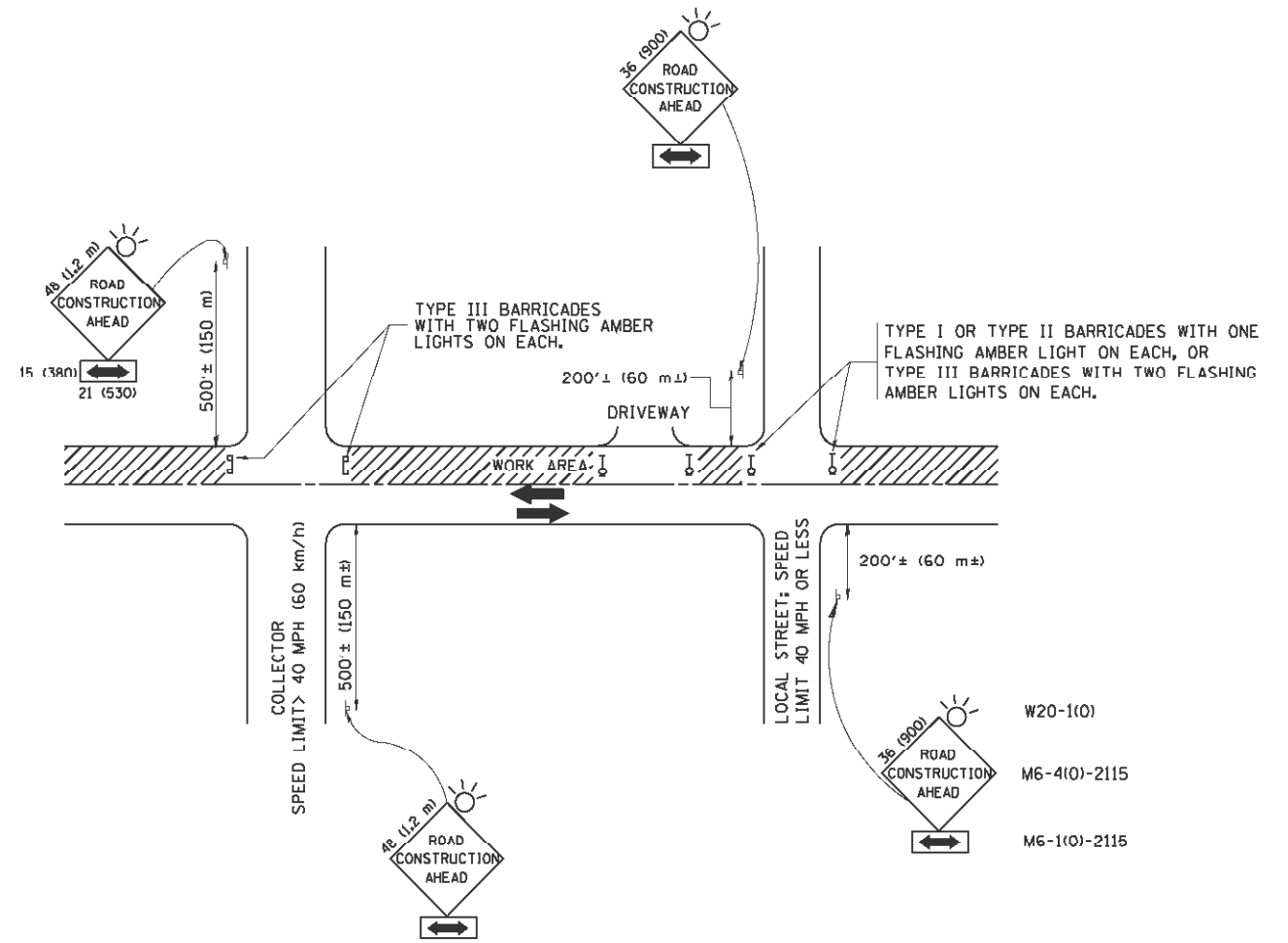
USER NAME = jguerr	DESIGNED C. HARTKE	REVISED
	DRAWN S. PERNAL	REVISED
PLOT SCALE = 1:100H, 1:5V	CHECKED T. HAMILTON	REVISED
PLOT DATE = 2/21/2012	DATE 2/21/12	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 EDENS EXPRESSWAY OVER SKOKIE RIVER**

SCALE: 1:100H, 1:5V SHEET NO. 2 OF 3 SHEETS STA. 1+75.00 TO STA. 2+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	13
CONTRACT NO. 60R54			ILLINOIS FED. AID PROJECT	



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 70150L, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

COMPANY NAME: #COMPANY-NAME  
 PROJECT CONTACT: #PROJECT-CONTACT  
 DATE PLOTTED: 2/15/2012 4:37:12 PM  
 FILE NAME: 86100196.03-dr+01.dgn  
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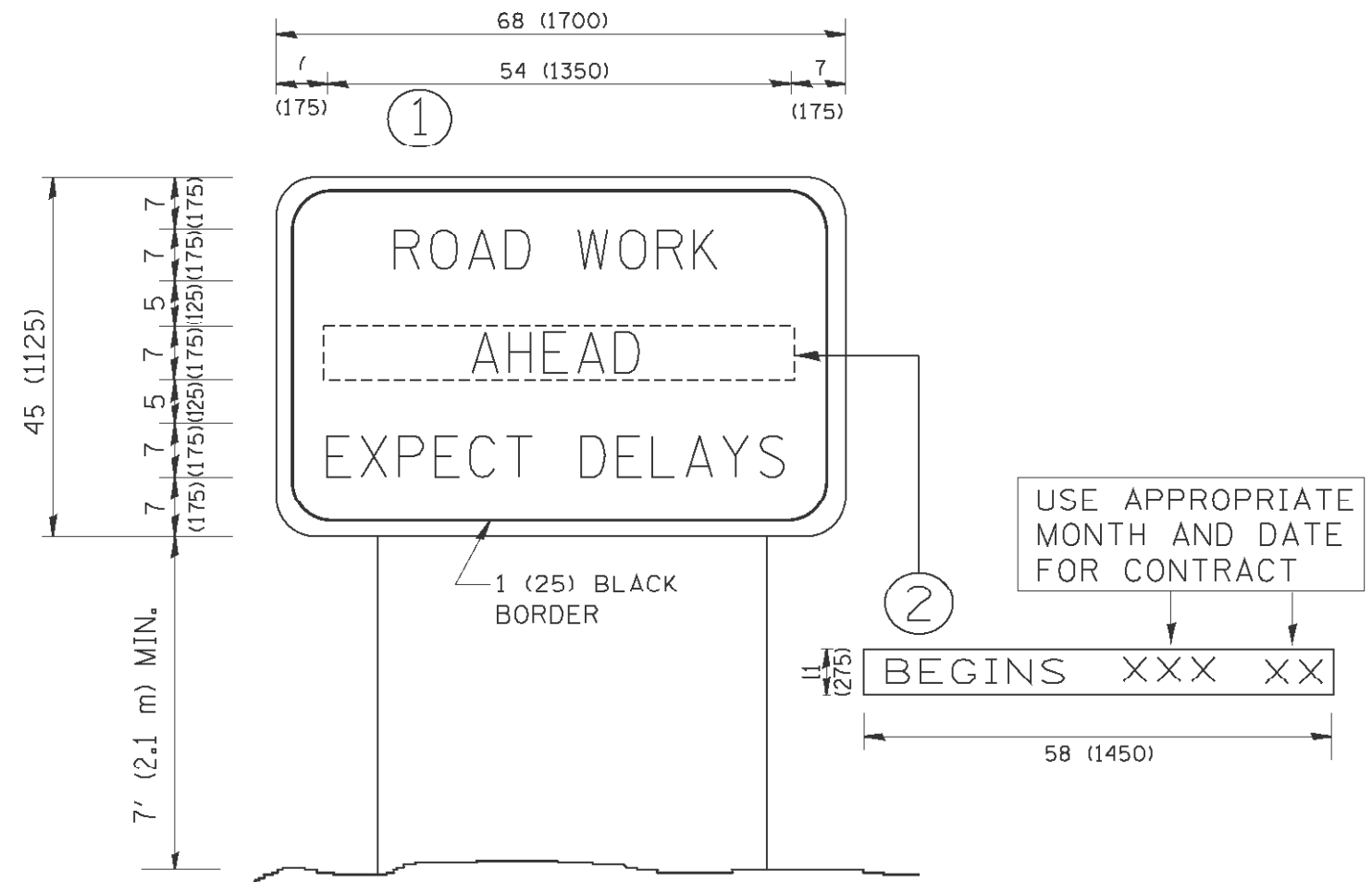
USER NAME = geglennob	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
PLOT SCALE = 50.000 ' / ' IN.	DRAWN -	REVISED - A. HOUSEH 03-06-96
PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-15-96
	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	14
TC-10			CONTRACT NO. 60R54	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

COMPANY NAME: #COMPANY-NAME/ HRGreen.com  
 PROJECT CONTACT: #PROJECT-CONTACT/ Illinois Professional Design Firm  
 DATE PLOTTED: 2/15/2012 4:37:16 PM #194-01122  
 FILE NAME: 86100196.03-de1-02.dgn  
 PLOT DRIVER: pdfcut  
 PEN TABLE: standard-trans.tbl



USER NAME = geglentob	DESIGNED -	REVISED - R. MIRS 09-15-97
PLOT SCALE = 58.000' / 1"	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ARTERIAL ROAD INFORMATION SIGN</b>	
SCALE: NONE	SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	15
<b>TC-22</b>		<b>CONTRACT NO.</b>	<b>60R54</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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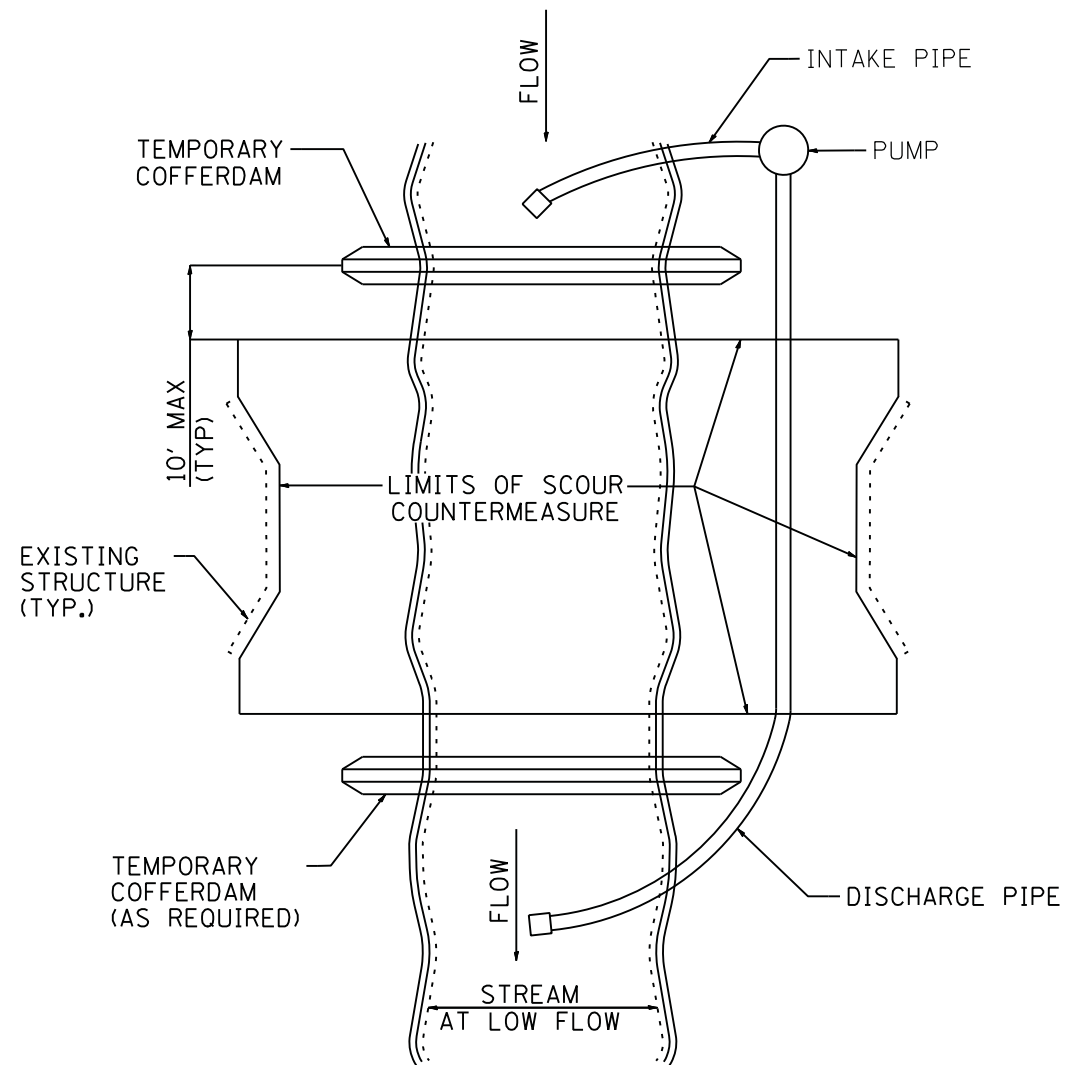


FIGURE D1. TEMPORARY COFFERDAM WITH PUMP BYPASS

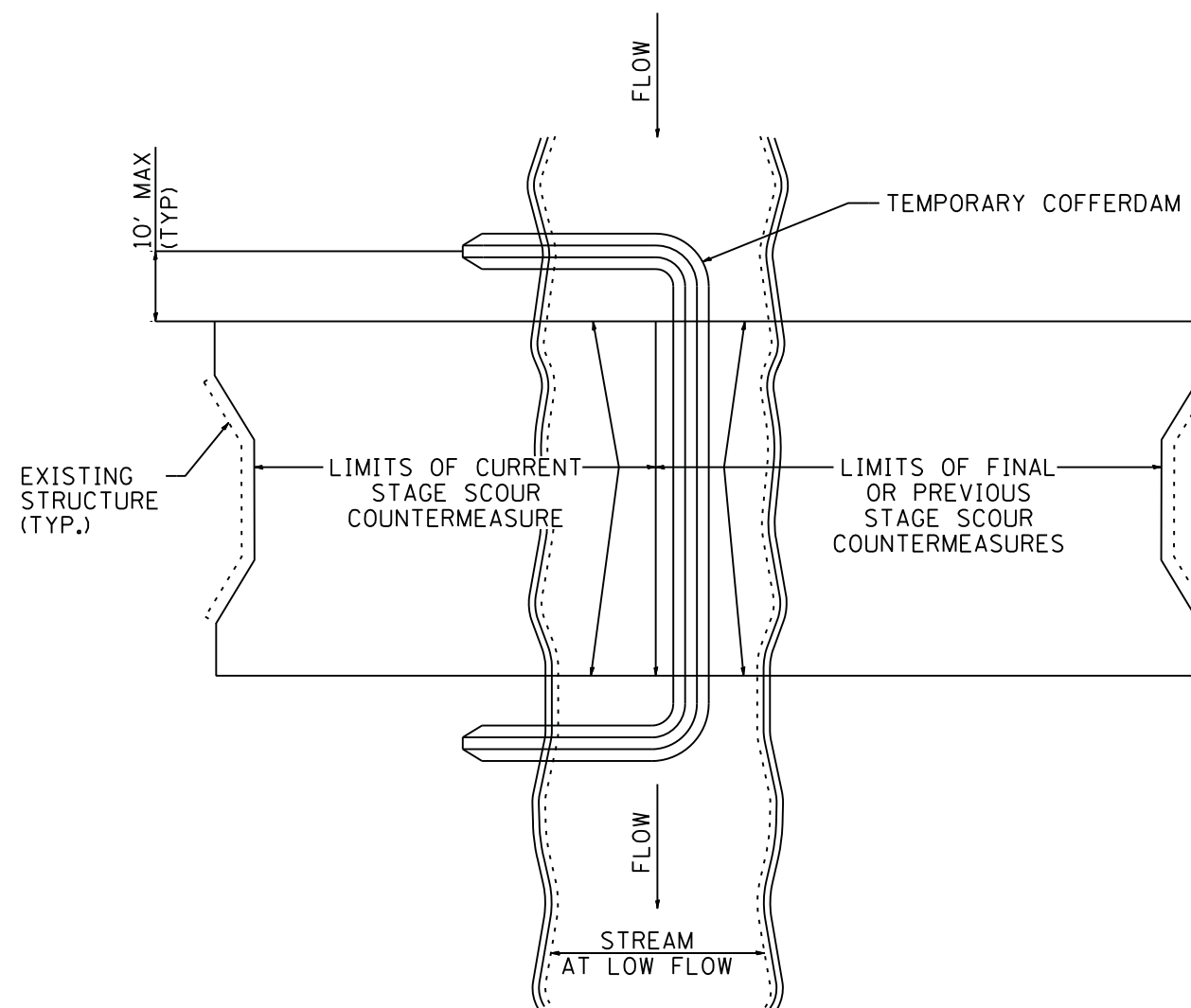


FIGURE D2. STAGED IN-STREAM COFFERDAM DIVISION

NOTE: DEWATERING SYSTEM DETAILS SHALL BE USED IN CONJUNCTION WITH THE PROJECT SPECIAL PROVISIONS.

COMPANY NAME: #COMPANY\_NAME  
 PROJECT CONTACT: #PROJECT\_CONTACT  
 DATE PLOTTED: 2/15/2012 4:37:08 PM  
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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

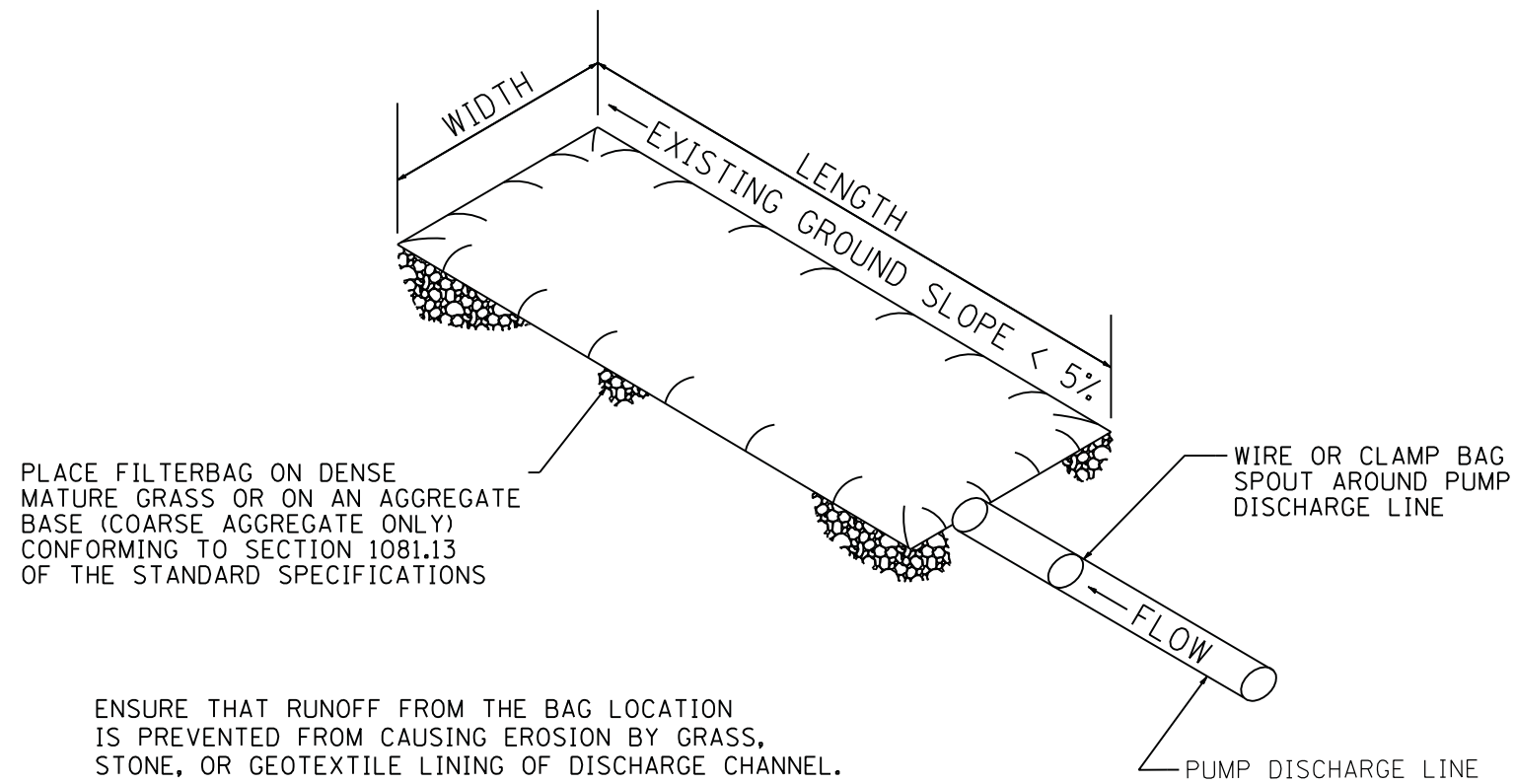
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DEWATERING SYSTEM DETAILS

SCALE: N/A SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R54	





PLACE FILTERBAG ON DENSE MATURE GRASS OR ON AN AGGREGATE BASE (COARSE AGGREGATE ONLY) CONFORMING TO SECTION 1081.13 OF THE STANDARD SPECIFICATIONS

ENSURE THAT RUNOFF FROM THE BAG LOCATION IS PREVENTED FROM CAUSING EROSION BY GRASS, STONE, OR GEOTEXTILE LINING OF DISCHARGE CHANNEL.

REMOVE SILT WHEN BAG IS HALF FULL OR MORE OFTEN IF RECOMMENDED BY THE MAUNFACUTURER. DISPOSE OF SILT BY TRANSPORTING THE FILLED BAG TO DISPOSAL AREA. SLIT THE BAG, BLEND SILT INTO EXISTING TOPOGRAPHY, SEED AND MULCH

MAINTAIN EXTRA FILTER BAGS ON SITE. REPLACE DAMAGED BAGS PROMPTLY.

TYPICAL FLOW RATE: 10 GPM x W x L

NOTE: DEWATERING SYSTEM DETAILS SHALL BE USED IN CONJUNCTION WITH THE PROJECT SPECIAL PROVISIONS.

FIGURE S1. SEDIMENT FILTER BAG

COMPANY NAME: #COMPANY\_NAME  
 PROJECT CONTACT: #PROJECT\_CONTACT  
 DATE PLOTTED: 2/15/2012 4:37:21 PM  
 FILE NAME: 86100196.03-dwt-04.dgn  
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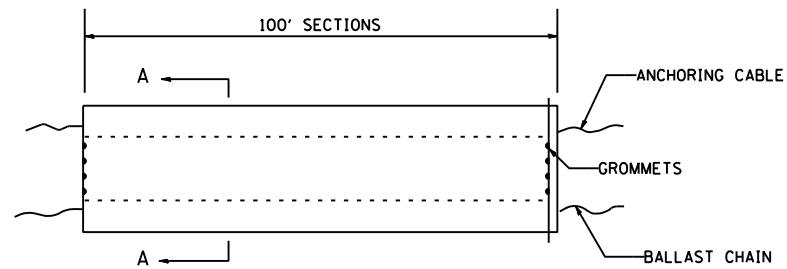
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	DRAWN -	REVISED -
PLOT SCALE = N/A	CHECKED -	REVISED -
PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

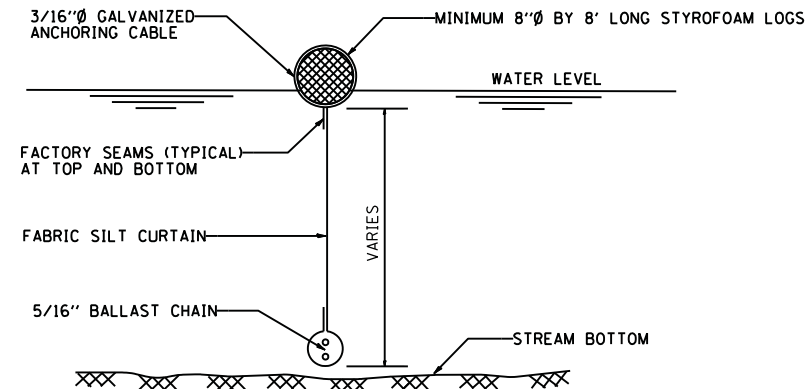
DEWATERING SYSTEM DETAILS

SCALE: N/A SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	17
CONTRACT NO.			60R54	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



ELEVATION



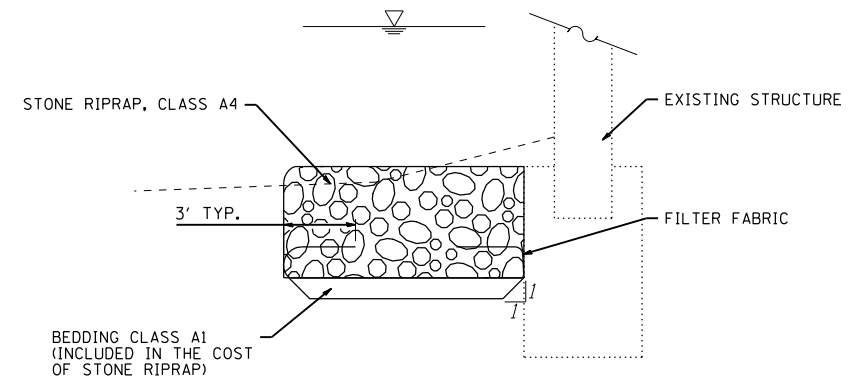
SECTION A-A

FLOTATION BOOM

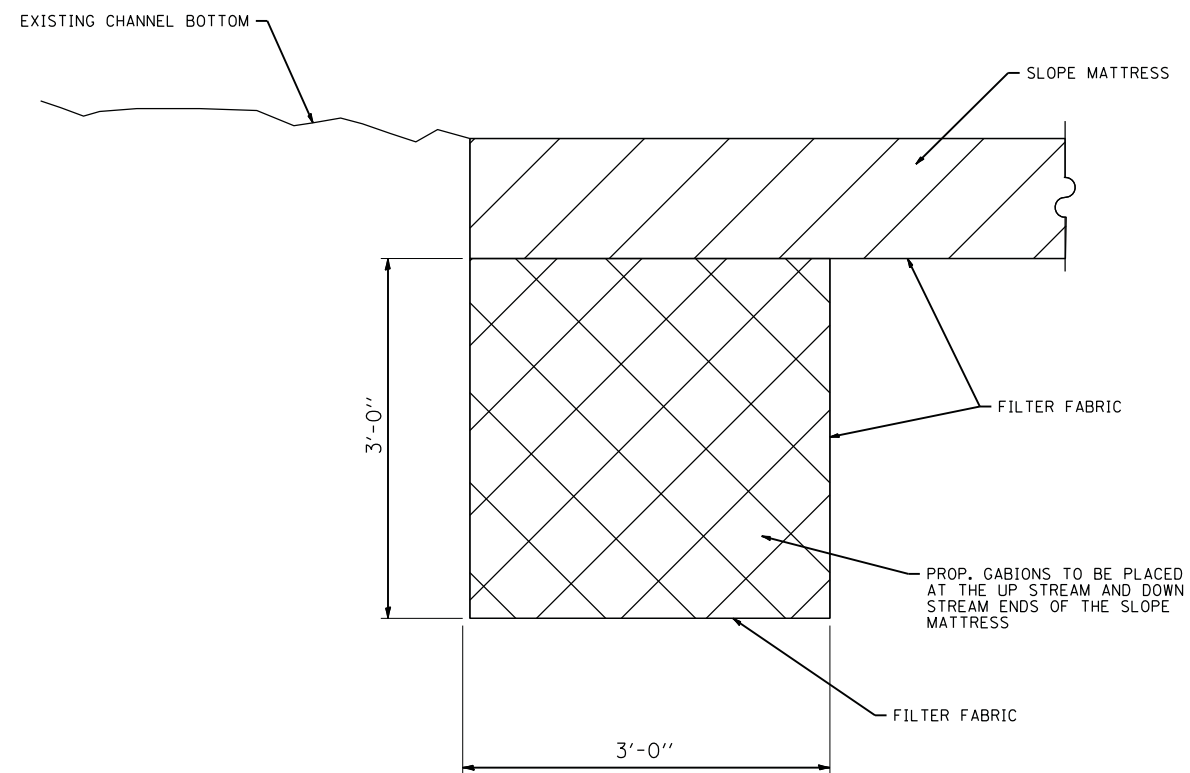
**NOTES:**

1. FLOTATION BOOM SHALL BE ANCHORED TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. ANCHORAGES SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE.
2. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE SUFFICIENT SIZE TO STABILIZE THE BARRIER WITH NUMBER AND SPACING DEPENDENT ON WATERWAY VELOCITIES.
3. FABRIC SECTIONS SHALL BE CONNECTED END TO END WITH MINIMUM 5/8" DIAMETER POLYPROPYLENE ROPE
4. DESIGN OF BOOM AND ANCHORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. BOTTOM OF BOOM SHALL REACH BOTTOM OF WATERWAY USING ONE OR TWO VERTICAL SECTIONS AS REQUIRED.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED. CONTRACTOR SHALL REMOVE THE BOOM AT COMPLETION OF WORK IN A MANNER THAT WILL PREVENT SILTATION OF THE WATERWAY.

APPLICATION: FLOTATION BOOMS TO BE USED TO CONTROL EROSION, TURBIDITY AND DEBRIS WHEN WORKING IN WATERWAYS.



FILTER FABRIC/ RIPRAP DETAIL



MATTRESS ANCHORING DETAIL

COMPANY NAME: #COMPANY\_NAME/ HRGreen.com  
 PROJECT CONTACT: #PROJECT\_CONTACT/ Illinois Professional Design Firm  
 DATE PLOTTED: 2/15/2012 4:37:25 PM  
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	DRAWN -	REVISED -
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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N/A SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-212-1	COOK	18	18
CONTRACT NO.			60R54	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				