

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1107	08-00066-02-BR	KANE	40	1
		ILLINOIS	CONTRACT NO. 61A07	

06-12-2015 LETTING ITEM 227

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

**DAUBERMAN ROAD (CH 62) (FAS 1107) OVER WELCH CREEK  
BRIDGE DECK REPLACEMENT  
SECTION 08-00066-02-BR  
PROJECT BHOS-0089(130)**

**KANE COUNTY**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

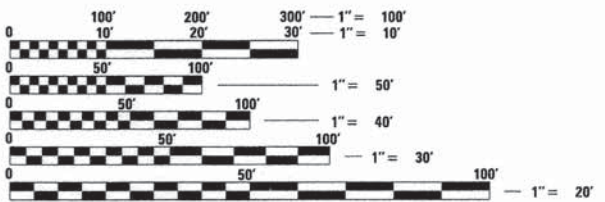
**TRAFFIC DATA**

DAUBERMAN ROAD (CH 62)  
DESIGN DESIGNATION - MAJOR COLLECTOR (NON-URBAN)  
ADT = 1,300 (EXISTING) - 11,000 (2040)  
DESIGN SPEED = 60 MPH  
POSTED SPEED = 55 MPH

C-91-163-09

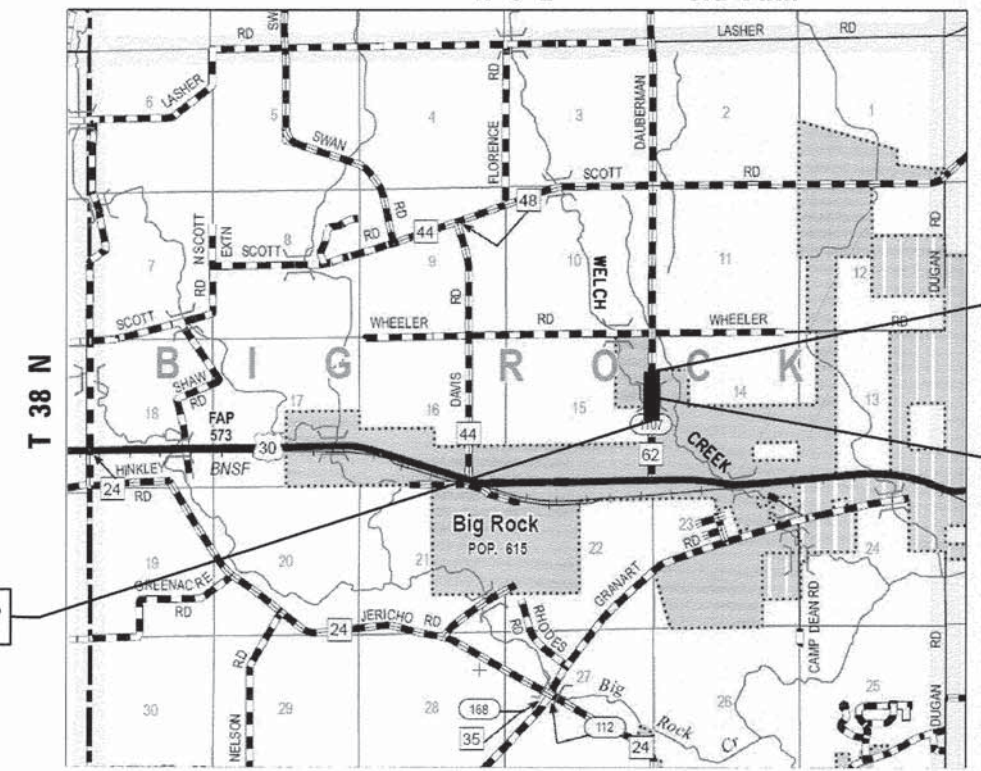
R 6 E 3rd P.M.

PROJECT LOCATED IN BIG ROCK TOWNSHIP



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 ENDS STA. 12+80.00

S.N. 045-3107

DAUBERMAN ROAD OVER WELCH CREEK STA. 9+95.00

PROJECT BEGINS STA. 6+20.00

**LOCATION MAP NOT TO SCALE**  
**BIG ROCK TOWNSHIP**  
GROSS LENGTH = 660 FT. = 0.125 MILES  
NET LENGTH = 660 FT. = 0.125 MILES



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED MARCH 11 20 15  
DIRECTOR OF TRANSPORTATION, KANE COUNTY DIVISION OF TRANSPORTATION

PASSED APRIL 9 20 15  
Christophe Holt  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW April 10 20 15  
John Fortman  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

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

CONTRACT NO. 61A07

**exp.** U.S. Services Inc.  
Chicago, IL  
BUILDINGS-EARTH & ENVIRONMENT-ENERGY  
INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY



Byron T. Danley  
BYRON T. DANLEY  
IL. REG. NO. 081-004737  
EXPIRES: 11/30/2016  
DATE: 3-16-15  
SHEETS: 21-29



Byron T. Danley  
BYRON T. DANLEY  
IL. REG. NO. 062-044058  
EXPIRES: 11/30/2015  
DATE: 3-16-15  
SHEETS: 1-20, 30-40

INDEX OF SHEETS

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	13 PROPOSED ROADWAY & DRAINAGE PLAN AND PROFILE
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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-13	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
666001-01	RIGHT OF WAY MARKERS
701006-05	OFF-RD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701901-04	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

DISTRICT ONE DETAILS

STANDARD NO.	DESCRIPTION
BD01	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB & EDGE OF SHOULDER ≥ 15' (4.5 m)
BD51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPLICABLE REQUIREMENTS SET FORTH IN 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION' ADOPTED JANUARY 1, 2012 THEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS; THE LATEST EDITION OF THE 'ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS' IN EFFECT ON THE DATE OF INVITATION FOR BIDS; THE 'SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS' LATEST EDITION; INTERM SPECIAL PROVISIONS AS INCLUDED IN THE CONTRACT DOCUMENTS; AND THE DETAILS AND STANDARDS CONTAINED IN THESE PLANS.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.I.L.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS WHICH MAY BE NECESSARY TO PROTECT OF THE VARIOUS PUBLIC UTILITIES WHICH MAY BE LOCATED UNDERGROUND OR ABOVE GROUND, AT OR ADJACENT TO THE SITE OF THIS IMPROVEMENT.
- THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON TOWNSHIP OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ALL ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER AND MUST NOT CONFLICT WITH SIDE ROADS, INTERSECTIONS, DRIVEWAYS, OR DRAINAGE. ALL OPERATIONS SHALL BE SUBJECT TO REGULATORY REQUIREMENTS PERMITTED ON THIS PROJECT.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING COOLING TIME FOR VARIOUS HMA LIFTS.
- BARRICADES: TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER.
- THE REMOVAL OF EXISTING RIGHT-OF-WAY MARKERS THAT ARE WITHIN PROPOSED RIGHT-OF-WAY WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN CLEARING.
- THE WIDTH SHOWN ON THE PROPOSED TYPICAL SECTIONS FOR AGGREGATE SHOULDERS, TYPE B SHALL BE USED FOR THE MAXIMUM WIDTH OF MEASUREMENT.
- SIX (6) INCHES OF TOPSOIL REMOVAL HAS BEEN SHOWN ON THE CROSS SECTIONS AND HAS BEEN INCLUDED IN THE QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.
- THE REMOVAL AND DISPOSAL OF ALL FENCES, EXCEPT AT LOCATIONS DESIGNATED ON THE PLANS AS CHAIN LINK FENCE REMOVAL OR WOODEN FENCE REMOVAL SHALL BE INCLUDED IN THE WORK FOR CLEARING.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR OF EARTH EXCAVATION.
- EXISTING AGGREGATE SHOULDERS AND AGGREGATE DRIVEWAYS ARE CLASSIFIED AS EARTH EXCAVATION.
- THE CONTRACTOR SHALL VERIFY THE EXISTING ELEVATIONS SHOWN ON THE PLANS WHERE THE PROPOSED PROFILE MEETS THE EXISTING PAVEMENT. THE ENGINEER SHALL BE NOTIFIED OF DISCREPANCIES BETWEEN THE EXISTING AND PROPOSED PAVEMENT ELEVATIONS, IN ADVANCE OF FINAL GRADING OPERATIONS, TO ALLOW APPROPRIATE ADJUSTMENTS TO BE MADE TO THE PROFILE. THE ELEVATIONS SHOWN ON THE PLANS ARE DERIVED FROM DIGITAL TERRAIN MODELING AND MAY REQUIRE ADJUSTMENT TO ENSURE A SMOOTH TRANSITION WHERE THE PROFILE MEETS THE EXISTING PAVEMENT.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL ENTRANCES FOR PROPERTY ABUTTING THE HIGHWAY OR STREET BEING IMPROVED AT ALL TIMES DURING CONSTRUCTION. WHEN A PROPERTY HAS ONLY A SINGLE ENTRANCE, THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED ENTRANCE ONE HALF AT A TIME IN ORDER TO MAINTAIN ACCESS. WHEN A PROPERTY HAS MULTIPLE ENTRANCES, ONE OF THE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES.
- THE CONTRACT PLANS SHOW THE GENERAL LOCATION OF THE PROPOSED RIGHT-OF-WAY AND TEMPORARY EASEMENTS. THE FINAL LOCATIONS OF PROPOSED RIGHT-OF-WAY AND TEMPORARY EASEMENTS ARE SHOWN ON THE SIGNED AND SEALED PLATS OF HIGHWAYS.
- THE CONTRACTOR SHALL NOT MOUNT CONSTRUCTION TRAFFIC CONTROL SIGNS ON EXISTING SIGNS OR POSTS.
- THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT UNDER THE HMA SHOULDER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR OF AGGREGATE SUBGRADE IMPROVEMENT 12".
- WORK AREAS INCLUDING PLACEMENT OF CONSTRUCTION EQUIPMENT SHALL BE LOCATED OUTSIDE THE DELINEATED WETLANDS OR WATERS OF THE U.S. (WELCH CREEK).
- EARTHWORK SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING. STOCK PILING OF MATERIALS FOR LATER USE AND REDISTRIBUTION SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. STOCK PILING NECESSARY FOR RESPREADING IN SHOULDERS, CONSTRUCTING EMBANKMENTS, CUT OR BORROW AREAS SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE OF EARTH EXCAVATION.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. FOR INFORMATION REGARDING THE EXISTING STRUCTURE SEE RECORD PLANS ON SHEETS 29A - 29C.

COMMITMENTS

- TREES SHALL BE REPLACED PER IDOT POLICY.
- THE FAA CONDUCTED AN OBSTRUCTION EVALUATION CONCERNING A 150-FOOT TALL TEMPORARY CONSTRUCTION CRANE USED AT THE DAUBERMAN ROAD SITE. A CRANE OF THIS HEIGHT WOULD NOT EXCEED OBSTRUCTION STANDARDS AND NOT BE A HAZARD TO AIR NAVIGATION PROVIDED THAT THE FOLLOWING CONDITIONS ARE MET: THE STRUCTURE IS MARKED AND/OR LIGHTED IN ACCORDANCE WITH THE FAA ADVISORY CIRCULAR 70/7460-1 K CHANTE 2, OBSTRUCTION MARKING AND LIGHTING, FLAG MARKER - CHAPTER 3 (MARKED) & 12.

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exp U.S. Services Inc. Chicago, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = hechtbr	DESIGNED - MRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DAUBERMAN ROAD / CH 62	INDEX OF SHEETS, GENERAL NOTES & HIGHWAY STANDARDS				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MRK CHECKED - BRH PLOT DATE = 4/2/2015	REVISED - REVISED - DATE - 03/13/15	SCALE: NTS		SHEET OF SHEETS	STA. TO STA.	1107	08-00066-02-BR	KANE	40	2	CONTRACT NO. 61A07 ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% LOCAL		
				ROADWAY 0004	BRIDGE 0014	TRAINEES 0042
20100210	TREE REMOVAL ( OVER 15 UNITS DIAMETER)	UNIT	82	82	0	0
20200100	EARTH EXCAVATION	CU YD	1,350	1,350	0	0
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	585	585	0	0
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	3,322	3,322	0	0
• 25000210	SEEDING, CLASS 2A	ACRE	0.40	0.40	0	0
• 25000310	SEEDING, CLASS 4	ACRE	0.30	0.30	0	0
• 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	34	34	0	0
• 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	34	34	0	0
• 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	34	34	0	0
• 25100630	EROSION CONTROL BLANKET	SQ YD	3,077	3,077	0	0
• 25100900	TURF REINFORCEMENT MAT	SQ YD	726	726	0	0
• 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	69	69	0	0
28000305	TEMPORARY DITCH CHECKS	FOOT	240	240	0	0
28000400	PERIMETER EROSION BARRIER	FOOT	1,149	1,149	0	0
28000500	INLET AND PIPE PROTECTION	EACH	2	2	0	0

• SPECIALTY ITEM

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**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% LOCAL		
				ROADWAY 0004	BRIDGE 0014	TRAINEES 0042
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	3,330	3,330	0	0
28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	14	14	0	0
28100709	STONE DUMPED RIPRAP, CLASS A5	SQ YD	133	133	0	0
28200200	FILTER FABRIC	SQ YD	147	147	0	0
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1,950	1,950	0	0
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	43	43	0	0
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	43	43	0	0
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4,970	4,970	0	0
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	10	10	0	0
40701886	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4"	SQ YD	1,639	1,639	0	0
42001300	PROTECTIVE COAT	SQ YD	7	7	0	0
44000100	PAVEMENT REMOVAL	SQ YD	1,769	1,769	0	0
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	52	52	0	0
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1,039	1,039	0	0
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	131	131	0	0

• SPECIALTY ITEM

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 exp U.S. Services Inc. Chicago, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = hechtbr	DESIGNED - MRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DAUBERMAN ROAD / CH 62	SUMMARY OF QUANTITIES - II			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:8000' / in.	DRAWN - MRK	REVISED -					1107	08-00066-02-BR	KANE	40	4
	PLOT DATE = 4/2/2015	CHECKED - BRH	REVISED -					CONTRACT NO. 61A07				
	DATE - 03/13/15	REVISED -		SCALE: NTS	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% LOCAL		
				ROADWAY 0004	BRIDGE 0014	TRAINEES 0042
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1	0	1	0
50102400	CONCRETE REMOVAL	CU YD	22.0	0	22.0	0
50105220	PIPE CULVERT REMOVAL	FOOT	122	122	0	0
50200100	STRUCTURE EXCAVATION	CU YD	135	0	135	0
50300225	CONCRETE STRUCTURES	CU YD	38.0	0	38.0	0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	18.4	0	18.4	0
50300260	BRIDGE DECK GROOVING	SQ YD	196	0	196	0
50300300	PROTECTIVE COAT	SQ YD	252	0	252	0
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS ( 21" DEPTH)	SQ FT	1,892	0	1,892	0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	11,460	0	11,460	0
51500100	NAME PLATES	EACH	1	0	1	0
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2	0	0
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	40	40	0	0
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	114	0	114	0
60600605	CONCRETE CURB, TYPE B	FOOT	60	60	0	0

• SPECIALTY ITEM

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	PLOT SCALE = 1:8000' / in.	DRAWN - MRK	REVISED -					1107	08-00066-02-BR	KANE	40	5
	PLOT DATE = 4/2/2015	CHECKED - BRH	REVISED -					CONTRACT NO. 61A07				
DATE - 03/13/15				SCALE: NTS		SHEET OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT		

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% LOCAL		
				ROADWAY 0004	BRIDGE 0014	TRAINEES 0042
• 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	162.5	162.5	0	0
• 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	0	0
• 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	0	0
• 63200310	GUARDRAIL REMOVAL	FOOT	204	204	0	0
• 66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8	8	0	0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	0	0
67100100	MOBILIZATION	L SUM	1	1	0	0
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9	0	0
• 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,485	1,485	0	0
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	9	9	0	0
• 78200530	BARRIER WALL MARKERS, TYPE C	EACH	4	4	0	0
• 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	0	0
• A2000220	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	0	0
• A2001820	TREE, ACER SACCHARUM GREEN MOUNTAIN (GREEN MOUNTAIN SUGAR MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	0	0
X0326806	WASHOUT BASIN	L SUM	1	1	0	0

• SPECIALTY ITEM

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 exp U.S. Services Inc Chicago, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = hechtbr PLOT SCALE = 1:8000' / in. PLOT DATE = 4/2/2015	DESIGNED - MRK DRAWN - MRK CHECKED - BRH DATE - 03/13/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> DAUBERMAN ROAD / CH 62	<b>SUMMARY OF QUANTITIES - IV</b>	F.A.S. RTE: 1107 SECTION: 08-00066-02-BR COUNTY: KANE TOTAL SHEETS: 40 SHEET NO.: 6	CONTRACT NO. 61A07 [ILLINOIS] FED. AID PROJECT
	SCALE: NTS      SHEET      OF      SHEETS      STA.      TO STA.						



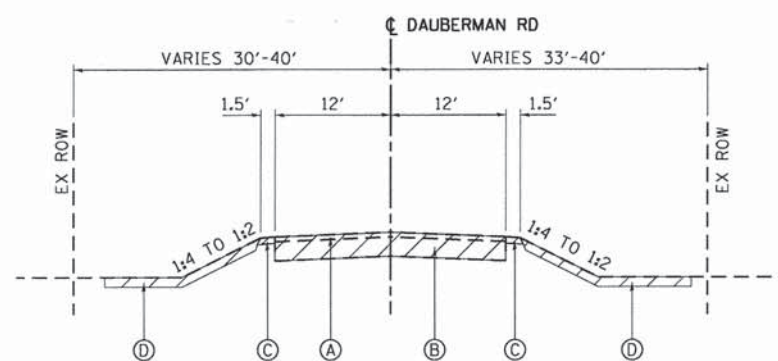
- EXISTING LEGEND**
- (A) HMA SURFACE 3"
  - (B) AGGREGATE BASE COURSE 12"
  - (C) AGGREGATE SHOULDER
  - (D) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (6")

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

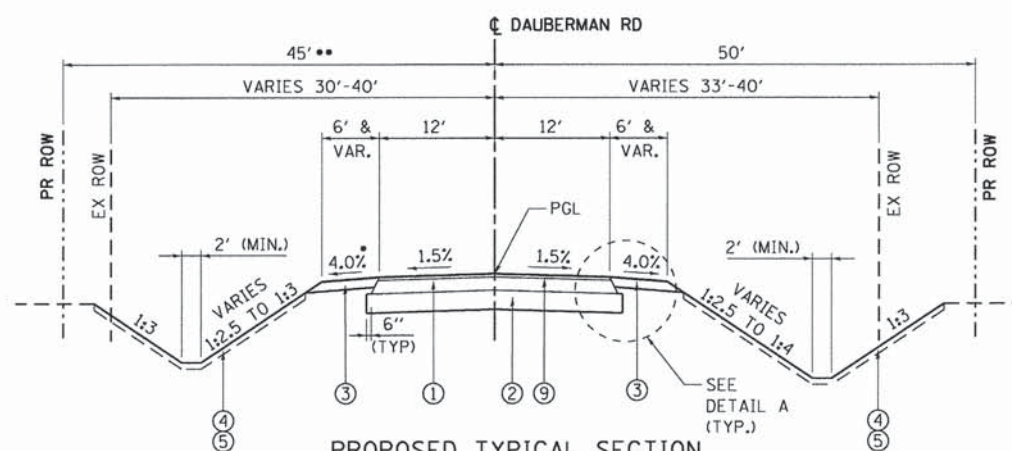
ITEM	AIR VOIDS @ NDES
<b>DAUBERMAN ROAD RECONSTRUCTION</b>	
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm) (2")	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 8.25" (2 LIFTS)	4% @ 70 GYR.
HOT-MIX ASPHALT SHOULDER, 8"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm) (2")	4% @ 70 GYR.
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL 19.0mm), 6" (2 LIFTS)	4% @ 70 GYR.
<b>DRIVEWAYS</b>	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm) (2")	4% @ 50 GYR.
HMA BASE COURSE, (HMA BINDER IL 19.0mm), 6" (2 LIFTS)	4% @ 50 GYR.

• THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR PERCENT RAP SEE DISTRICT ONE SPECIAL PROVISIONS.

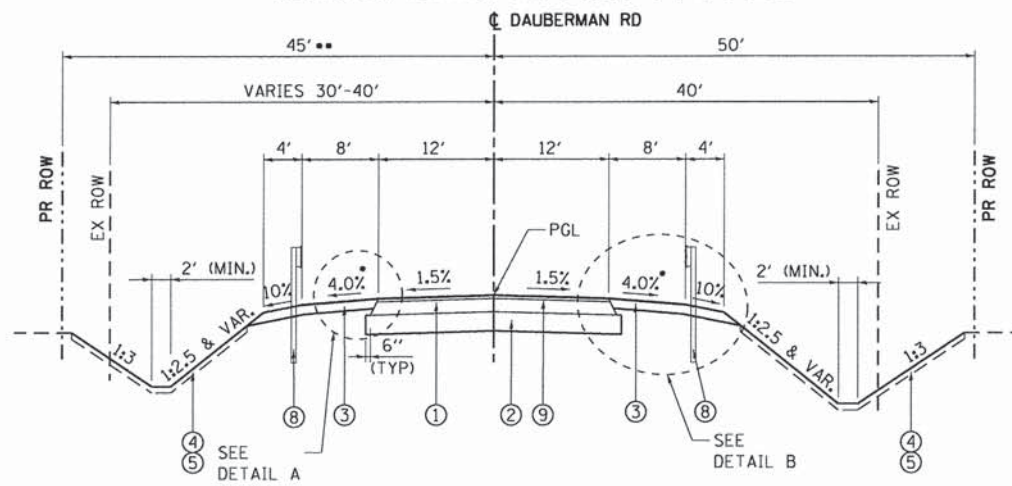


**EXISTING TYPICAL SECTION  
DAUBERMAN ROAD**  
STA. 6+20.00 TO STA. 12+80.00



**PROPOSED TYPICAL SECTION  
DAUBERMAN ROAD**  
STA. 6+20.00 TO STA. 8+06.00  
STA. 12+20.00 TO STA. 12+80.00

- TRANSITION LEFT SHOULDER AT THE DRIVEWAY AS SHOWN BELOW:
- SOUTH OF DRIVEWAY - 4.0% TO 1.5% FROM STA. 6+35 TO STA. 6+70
- NORTH OF DRIVEWAY - 1.5% TO 4.0% FROM STA. 7+20 TO STA. 7+55
- NO PROPOSED ROW FROM STA. 6+20.00 TO STA. 8+17.00

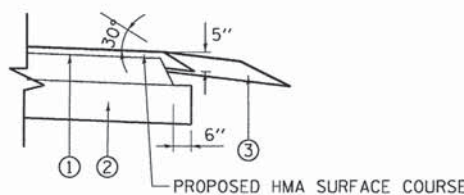


**PROPOSED TYPICAL SECTION WITH GUARDRAIL  
DAUBERMAN ROAD**  
STA. 8+06.00 TO STA. 12+20.00  
BRIDGE OMISSION STA. 9+71.90 TO STA. 10+18.10

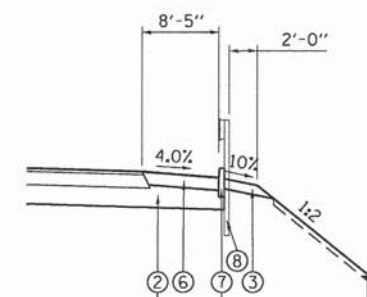
- TRANSITION SHOULDER AT THE BRIDGE LIMITS AS SHOWN BELOW:
- SOUTH OF BRIDGE RT SIDE - 4.0% TO 1.5% FROM STA. 8+95 TO STA. 9+62
- SOUTH OF BRIDGE LT SIDE - 4.0% TO 1.5% FROM STA. 9+10 TO STA. 9+77
- NORTH OF BRIDGE RT SIDE - 1.5% TO 4.0% FROM STA. 10+13 TO STA. 10+80
- NORTH OF BRIDGE LT SIDE - 1.5% TO 4.0% FROM STA. 10+27 TO STA. 10+94
- NO PROPOSED ROW FROM STA. 8+17.00 TO STA. 8+24.55

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 8.25"
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (3) AGGREGATE SHOULDERS, TYPE B 6"
- (4) TOPSOIL FURNISH AND PLACE, 6"
- (5) SEEDING (SEE LANDSCAPING PLAN)
- (6) HOT-MIX ASPHALT SHOULDERS, 8"
- (7) CONCRETE CURB, TYPE B
- (8) STEEL PLATE BEAM GUARDRAIL (SEE ROADWAY PLAN FOR TYPE)
- (9) BITUMINOUS MATERIALS (PRIME COAT)



**DETAIL A  
SAFETY EDGE AT EDGE OF PAVEMENT**



LIMITS ARE 15' OUT FROM BACK OF ABUTMENT  
SEE GENERAL NOTE 20, IN ADDITION AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL BE EXTENDED 6" BEYOND HMA SHOULDER WHERE CONC CURB TB IS NOT PRESENT.

**DETAIL B**

- SOUTH OF BRIDGE RT SIDE - FROM STA. 9+37 TO STA. 9+62
- SOUTH OF BRIDGE LT SIDE - FROM STA. 9+56 TO STA. 9+81
- NORTH OF BRIDGE RT SIDE - FROM STA. 10+09 TO STA. 10+34
- NORTH OF BRIDGE LT SIDE - FROM STA. 10+28 TO STA. 10+53

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exp U.S. Services Inc. Chicago, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = hechtbr PLDT SCALE = 18.0000' / in. PLDT DATE = 4/2/2015	DESIGNED - MRK DRAWN - MRK CHECKED - BRH DATE - 03/13/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b> DAUBERMAN ROAD / CH 62	<b>EXISTING AND PROPOSED TYPICAL SECTIONS DAUBERMAN ROAD</b>	F.A.S. RTE. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 8	<b>CONTRACT NO. 61A07</b> ILLINOIS FED. AID PROJECT
	SCALE: 1"=10' SHEET OF SHEETS	STA. TO STA.									



**SCHEDULE OF QUANTITIES**

25000210 SEEDING, CLASS 2A TOTAL 0.40 ACRE							
LOCATION	FROM STATION	TO STATION	OFFSET	SIDE SLOPE	SIDE SLOPE FACTOR	MEASURED AREA SQ FT	SUBTOTALS
DAUBERMAN RD	6+20.00	8+70.00	RT	3:1 TO 2.5:1	1.0641	5303.45	0.130
DAUBERMAN RD	6+20.00	6+84.00	LT	3:1	1.0541	911.00	0.022
DAUBERMAN RD	7+07.00	9+10.00	LT	3:1 TO 2.5:1	1.0641	2516.19	0.061
DAUBERMAN RD	10+70.00	11+89.00	RT	3:1 TO 2.5:1	1.0641	2474.83	0.060
DAUBERMAN RD	12+00.00	12+80.00	RT	3:1 TO 4:1	1.0541	2102.41	0.051
DAUBERMAN RD	11+10.00	12+80.00	LT	3:1 TO 2.5:1	1.0641	2355.60	0.058

25000310 SEEDING, CLASS 4 TOTAL 0.3 ACRE							
LOCATION	FROM STATION	TO STATION	OFFSET	SIDE SLOPE	SIDE SLOPE FACTOR	MEASURED AREA SQ FT	SUBTOTALS
DAUBERMAN RD	8+70.00	9+50.00	RT	2.5:1 TO 2:1	1.0943	2094	0.053
DAUBERMAN RD	9+10.00	9+78.00	LT	2.5:1 TO 2:1	1.0943	1270	0.032
DAUBERMAN RD	9+98.00	10+22.00	RT	2:1	1.118	452	0.012
DAUBERMAN RD	10+32.00	10+70.00	RT	2.5:1 TO 2:1	1.0943	1011	0.025
DAUBERMAN RD	10+30.00	10+54.00	LT	2:1	1.118	276	0.007
DAUBERMAN RD	10+66.00	11+10.00	LT	2.5:1 TO 2:1	1.0943	1034	0.026
DAUBERMAN RD	10+22.00	10+32.00	RT	2:1	1.118	263	0.007
DAUBERMAN RD	10+54.00	10+66.00	LT	2:1	1.118	239	0.006
DAUBERMAN RD	6+20.00	8+70.00	RT DITCH		1	2304	0.053
DAUBERMAN RD	10+70.00	11+79.00	RT DITCH		1	869	0.020
DAUBERMAN RD	12+07.00	12+80.00	RT DITCH		1	589	0.014
DAUBERMAN RD	8+00.00	9+10.00	LT DITCH		1	868	0.020
DAUBERMAN RD	11+10.00	12+80.00	LT DITCH		1	1338.5	0.031

21101625 TOPSOIL FURNISH AND PLACE, 6" TOTAL 3322 SQ YD				
LOCATION	SEEDING TYPE	NOTE	AREA ACRE	SUBTOTALS
DAUBERMAN RD	SEEDING CL 2A	SEE SCHEDULE	0.38	1849
DAUBERMAN RD	SEEDING CL 4	SEE SCHEDULE	0.30	1474

25100630 EROSION CONTROL BLANKET TOTAL 3077 SQ YD				
SEEDING TYPE	AREA ACRE	TRM AREA SQ YD	NET AREA SQ YD	SUBTOTALS
SEEDING CL 2A-TURF REINFORCEMENT MAT	0.38		1849	1849
SEEDING CL 4	0.25	726	1228	1228

25100900 TURF REINFORCEMENT MAT TOTAL 726 SQ YD							
LOCATION	FROM STATION	TO STATION	OFFSET	SIDE SLOPE	SIDE SLOPE FACTOR	MEASURED AREA SQ FT	SUBTOTALS
DAUBERMAN RD	10+21.60	10+31.60	RT	2:1	1.118	263	33
DAUBERMAN RD	10+42.39	10+52.39	LT	2:1	1.118	239	30
DAUBERMAN RD	6+20.00	8+70.00	RT DITCH		1	2304	256
DAUBERMAN RD	10+70.00	11+79.00	RT DITCH		1	869	97
DAUBERMAN RD	12+07.00	12+80.00	RT DITCH		1	589	65
DAUBERMAN RD	8+00.00	9+10.00	LT DITCH		1	868	96
DAUBERMAN RD	11+10.00	12+80.00	LT DITCH		1	1338.5	149

28000250 TEMPORARY EROSION CONTROL SEEDING TOTAL 69 POUND								
LOCATION	FROM STATION	TO STATION	OFFSET	MEASURED AREA SQ FT	SIDE SLOPE	SIDE SLOPE FACTOR	APPLICATION RATE LBS/ACRE	SUBTOTALS
DAUBERMAN RD	6+20.00	9+50.00	RT	9688.1	2.5:1	1.077	100	24
DAUBERMAN RD	10+07.00	11+89.00	RT	4953.4	2.5:1	1.077	100	12
DAUBERMAN RD	12+00.00	12+80.00	RT	2691.9	3:1	1.054	100	7
DAUBERMAN RD	6+20.00	6+89.00	LT	911.0	3:1	1.054	100	2
DAUBERMAN RD	7+02.00	9+76.00	LT	4776.5	3:1	1.054	100	12
DAUBERMAN RD	10+45.00	12+80.00	LT	5097.9	3:1	1.054	100	12

28000305 TEMPORARY DITCH CHECKS TOTAL 240 FOOT						
LOCATION	FROM STATION	TO STATION	OFFSET	DITCH CHECKS EACH	LENGTH FOOT	SUBTOTALS
DAUBERMAN RD	6+20.00	9+40.00	RT	8	10	80
DAUBERMAN RD	10+14.00	12+80.00	RT	6	10	60
DAUBERMAN RD	7+15.00	9+73.00	LT	6	10	60
DAUBERMAN RD	10+40.00	12+80.00	LT	4	10	40

28001100 TEMPORARY EROSION CONTROL BLANKET TOTAL 3330 SQ YD							
LOCATION	FROM STATION	TO STATION	OFFSET	MEASURED AREA SQ FT	SIDE SLOPE	SIDE SLOPE FACTOR	SUBTOTALS
DAUBERMAN RD	6+20.00	9+50.00	RT	9688.1	2.5:1	1.077	1159
DAUBERMAN RD	10+07.00	11+86.00	RT	4953.4	2.5:1	1.077	593
DAUBERMAN RD	11+98.00	12+80.00	RT	2691.9	3:1	1.054	315
DAUBERMAN RD	6+20.00	6+89.00	LT	911.0	3:1	1.054	107
DAUBERMAN RD	7+02.00	9+76.00	LT	4776.5	3:1	1.054	559
DAUBERMAN RD	10+45.00	12+80.00	LT	5097.9	3:1	1.054	597

30300112 AGGREGATE SUBGRADE IMPROVEMENT 12" TOTAL 1950 SQ YD								
LOCATION	FROM STATION	TO STATION	LENGTH L	PAVEMENT WIDTH	SUBGRADE WIDTH W	AREA L X W	MEASURED AREA SQ FT	SUBTOTALS
DAUBERMAN RD	6+20	6+50	30	24.3	26.97	809		90
DAUBERMAN RD	6+50	9+17	267	24	26.71	7141		793
DAUBERMAN RD	9+17	9+72	55	24			2027	225
DAUBERMAN RD	10+18	10+73	55	24			2027	225
DAUBERMAN RD	10+73	12+50	177	24	26.71	4738		526
DAUBERMAN RD	12+50	12+80	30	24.4	27.07	812		90

40701886 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10 1/4" TOTAL 1639 SQ YD						
LOCATION	FROM STATION	TO STATION	LENGTH	WIDTH	MEASURED AREA SQ FT	SUBTOTALS
DAUBERMAN RD	6+20	6+50	30	VARIES	728	80.9
DAUBERMAN RD	6+50	9+72	322	24	7725.5	858.4
DAUBERMAN RD	10+18	12+50	232	24	5565.5	618.4
DAUBERMAN RD	12+50	12+80	30	VARIES	730.8	81.2

44000100 PAVEMENT REMOVAL TOTAL 1769 SQ YD				
LOCATION	FROM STATION	TO STATION	MEASURED AREA SQ FT	SUBTOTALS
DAUBERMAN RD	6+20	9+73	9074	1008
DAUBERMAN RD	10+17	12+80	6850	761

48101500 AGGREGATE SHOULDERS, TYPE B 6" TOTAL 1039 SQ YD						
LOCATION	FROM STATION	TO STATION	OFFSET	WIDTH	MEASURED AREA SQ FT	SUBTOTALS
DAUBERMAN RD	6+20	9+62	RT	4 TO 8	2763.06	307
DAUBERMAN RD	6+20	6+84	LT	2 TO 6	239.00	27
DAUBERMAN RD	7+07	9+82	LT	4 TO 8	2051.01	228
DAUBERMAN RD	10+07	11+78	RT	4 TO 8	1436.55	160
DAUBERMAN RD	12+05	12+80	RT	6 TO M.E.	332.76	37
DAUBERMAN RD	10+30	12+80	LT	4 TO 8	2528.07	281

48203029 HOT-MIX ASPHALT SHOULDERS, 8" TOTAL 131 SQ YD					
LOCATION	FROM STATION	TO STATION	OFFSET	MEASURED AREA SQ FT	SUBTOTALS
DAUBERMAN RD	9+17	9+66	RT	311.1	34.6
DAUBERMAN RD	9+36	9+77	LT	278	30.9
DAUBERMAN RD	10+13	10+54	RT	278	30.9
DAUBERMAN RD	10+24	10+73	LT	311.1	34.6

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS TOTAL 8 EACH				
LOCATION	STATION	OFFSET	LT/RT	SUBTOTALS
DAUBERMAN RD	8+24.55	29.69	LT	1
DAUBERMAN RD	8+24.55	44.69	LT	1
DAUBERMAN RD	12+80.00	44.65	LT	1
DAUBERMAN RD	12+80.00	39.65	LT	1
DAUBERMAN RD	6+20.00	33.30	RT	1
DAUBERMAN RD	6+20.00	50.30	RT	1
DAUBERMAN RD	12+80.00	50.35	RT	1
DAUBERMAN RD	12+80.00	40.35	RT	1

78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" TOTAL 1485 FOOT						
LOCATION	FROM STATION	TO STATION	OFFSET	TYPE	COLOR	SUBTOTALS
DAUBERMAN RD	6+20	12+80	RT	EDGE LINE	WHITE	660
DAUBERMAN RD	6+20	12+80	LT	EDGE LINE	WHITE	660
DAUBERMAN RD	6+20	12+80	CL	CENTER LINE	YELLOW "10' DASH 30' SKIP"	165

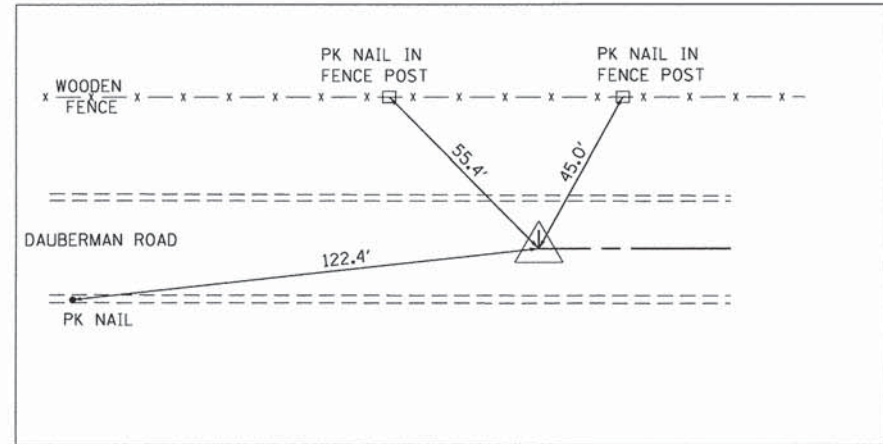
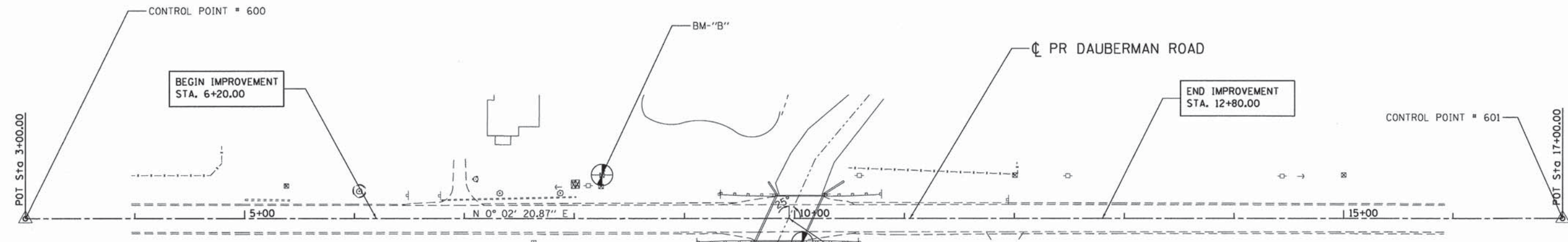
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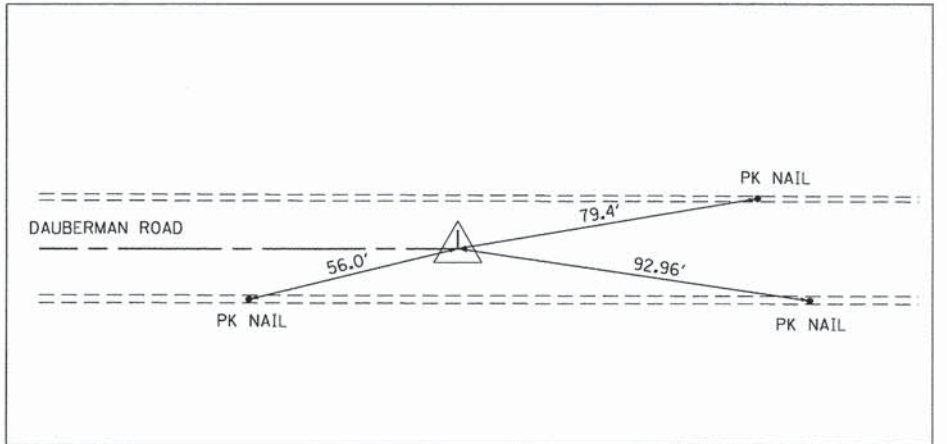
EARTHWORK SCHEDULE			TOTALS				
STA FROM	TO STA	LENGTH	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		FT	CU YD	CU YD	CU YD	CU YD	CU YD
<b>DAUBERMAN ROAD</b>							
6+20.00	6+95.79	75.79	188.0	37.5	159.8	16.7	143.0
6+95.79	7+00.00	4.21	14.0	2.4	11.9	1.3	10.6
7+00.00	7+50.00	50.00	155.2	39.8	131.9	14.5	117.4
7+50.00	8+00.00	50.00	116.1	49.9	98.7	32.7	66.0
8+00.00	8+60.00	60.00	108.7	63.1	92.4	75.6	16.9
8+60.00	9+00.00	40.00	80.5	47.5	68.4	72.4	-4.0
9+00.00	9+25.00	25.00	56.5	29.8	48.0	45.6	2.4
9+25.00	9+46.00	21.00	49.7	23.1	42.2	33.1	9.1
9+46.00	9+76.00	30.00	52.2	22.1	44.4	42.4	2.0
9+76.00	CREEK						
10+14.00	10+45.00	31.00	56.9	23.8	48.3	50.7	-2.4
10+45.00	10+75.00	30.00	65.4	33.7	55.6	57.7	-2.1
10+75.00	11+00.00	25.00	48.5	28.7	41.3	41.6	-0.4
11+00.00	11+40.00	40.00	75.2	44.8	63.9	64.5	-0.5
11+40.00	11+76.00	36.00	64.8	38.9	55.0	48.2	6.9
11+76.00	11+93.23	17.23	33.3	13.9	28.3	19.9	8.4
11+93.23	12+00.00	6.77	14.0	3.9	11.9	8.3	3.6
12+00.00	12+10.00	10.00	22.3	8.7	18.9	12.4	6.5
12+10.00	12+40.00	30.00	68.5	32.6	58.2	22.8	35.5
12+40.00	12+80.00	40.00	76.7	37.2	65.2	9.0	56.2
12+80.00	END						
<b>TOTAL:</b>			<b>1346.5</b>	<b>581.4</b>	<b>1144.5</b>	<b>669.5</b>	<b>475.0</b>
<b>ADJUSTED:</b>			<b>1350.0</b>	<b>585.0</b>			<b>475.0</b>

- NOTES:
- ALL EARTHWORK QUANTITIES ARE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING THE PLAN CROSS SECTIONS.
  - EXISTING TOPSOIL EXCAVATION OF AN ESTIMATED DEPTH OF 6" IS ASSUMED FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS.

 exp U.S. Services Inc. Chicago, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = hechtbr PLOT SCALE = 1:2000' / in. PLOT DATE = 4/2/2015	DESIGNED - MRK DRAWN - MRK CHECKED - BRH DATE - 03/13/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> DAUBERMAN ROAD / CH 62	<b>SCHEDULE OF QUANTITIES - II</b> <b>EARTHWORK SCHEDULE</b>	SCALE: NTS SHEET OF SHEETS STA. TO STA.	F.A.S. RTE. 1107 SECTION 08-00066-02-BR COUNTY KANE TOTAL SHEETS 40 SHEET NO. 10 CONTRACT NO. 61A07 ILLINOIS FED. AID PROJECT
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CONTROL POINT # 600  
 PK NAIL  
 P.O.T. STA. 3+00  
 N = 1858572.7014  
 E = 931172.4814



CONTROL POINT # 601  
 PK NAIL  
 P.O.T. STA. 17+00  
 N = 1859972.7010  
 E = 931173.4375

**BENCHMARKS (NAVD 88)**

- BM-"A" SQUARE CUT ON TOP OF THE NE WINGWALL OF EXISTING BRIDGE  
 STA. 10+07.00, 22.1' RT  
 ELEV. = 704.67
- BM-"B" TOP OF CONCRETE ROW MARKER  
 STA. 8+25.30, 39.7' LT  
 ELEV. = 703.83

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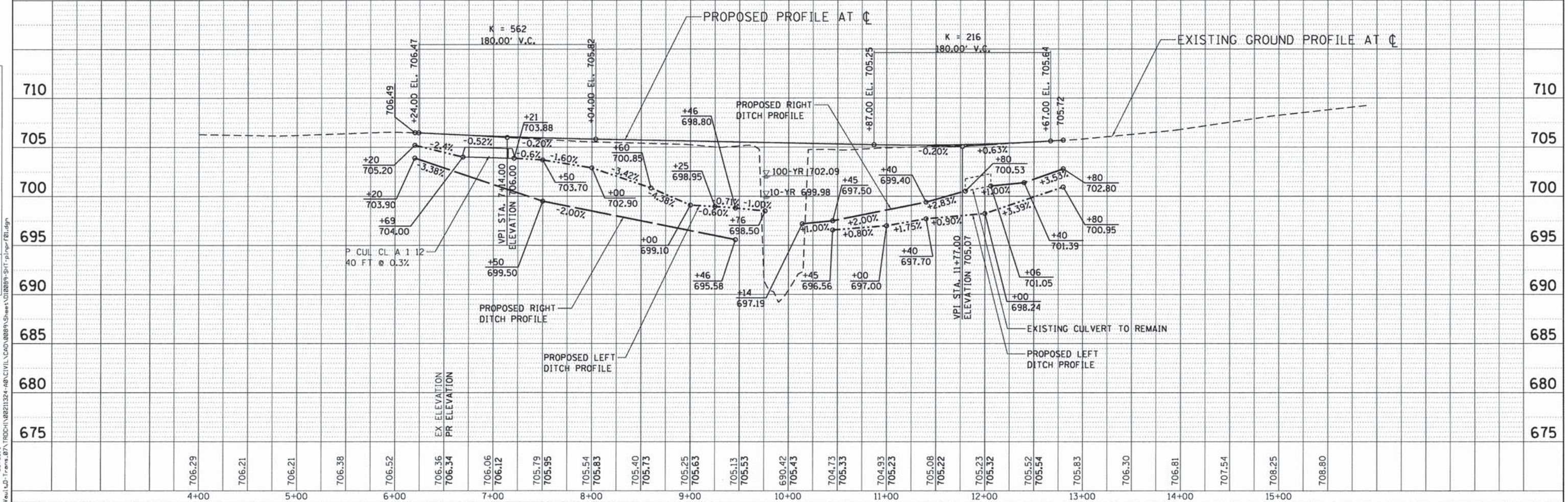
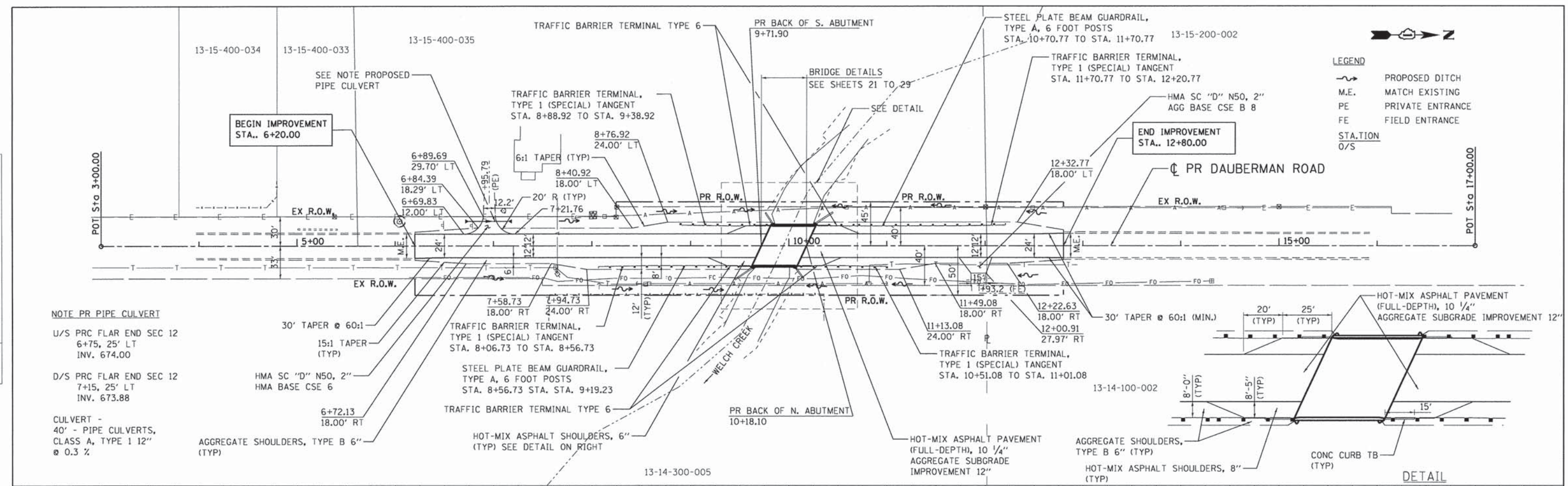
4/2/2015 exp U.S. Services Inc. Chicago, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = hechtbr PLOT SCALE = 50.0000' / in. PLOT DATE = 4/2/2015	DESIGNED - MRK DRAWN - MRK CHECKED - BRH DATE - 03/13/15	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> DAUBERMAN ROAD / CH 62	<b>ALIGNMENT, TIES, AND BENCHMARKS</b> <b>DAUBERMAN ROAD</b> SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.	F.A.S. RTE. 1107 SECTION 08-00066-02-BR COUNTY KANE TOTAL SHEETS 40 SHEET NO. 11 CONTRACT NO. 61A07 ILLINOIS FED. AID PROJECT
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 exp U.S. Services Inc.  
 Chicago, IL  
 BUILDINGS-EARTH & ENVIRONMENT-ENERGY  
 INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY



USER NAME = hechtbr	DESIGNED - MRK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> DAUBERMAN ROAD / CH 62	<b>PROPOSED ROADWAY &amp; DRAINAGE PLAN AND PROFILE</b> DAUBERMAN ROAD		F.A.S. RTE. 1107	SECTION 08-0066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 13	
PLOT SCALE = 50.0000' / 1"	CHECKED - BRH	REVISED -		SCALE: HORIZ. 1"=50'	VERT. 1"=5'	STA. 6+20.00 TO STA. 12+80.00	CONTRACT NO. 61A07		ILLINOIS FED. AID PROJECT		
PLOT DATE = 4/2/2015	DATE - 03/13/15	REVISED -									

DETOUR NOTES

- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES" ADOPTED 2010, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION (ARTERIALS).
- THE CONTRACTOR WILL NOT BE ALLOWED TO IMPLEMENT THE DETOUR PRIOR TO MARCH 1, 2016.
- THE CONTRACTOR SHALL SCHEDULE ALL WORK IN AN EXPEDIENT MANNER TO MINIMIZE THE LENGTH OF TIME THAT THE DETOUR NEEDS TO BE IN EFFECT.
- THE CONTRACT DOCUMENTS WILL ALLOW THE ROADWAY CLOSURE AND TEMPORARY DETOUR DETAILED IN THE PLANS TO REMAIN IN PLACE UNTIL COMPLETE. THE CONTRACTOR WILL BE EXPECTED TO COMPLETE ALL THE PROPOSED WORK RELATED TO THE CONSTRUCTION OF THE PROPOSED BRIDGE AND ROADWAY DURING THIS CLOSURE, THE ROADWAY MUST HAVE THE HMA SURFACE COURSE PLACED AND THE GUARDRAIL INSTALLED BEFORE THE ROADWAY IS OPENED TO TRAFFIC. IF THE SURFACE COURSE AND GUARDRAIL ARE NOT COMPLETED IN THE ALLOWED TIME, ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR THE COMPLETION OF REMAINING CONSTRUCTION OPERATIONS WILL BE AT THE CONTRACTOR'S COST.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES FOR APPROVAL OF SUCH A DATE.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK.
- THE CONTRACTOR WILL BE REQUIRED TO COORDINATE ALL MAINTENANCE OF TRAFFIC OPERATIONS WITH ALL STATE, TOWNSHIP, AND COUNTY ENTITIES WITHIN THE PROJECT LIMITS. THE FOLLOWING IS THE APPLICABLE LIST OF CONTACTS:  
 IL DEPARTMENT OF TRANSPORTATION ANDREW SCHUETZE 847-705-4470  
 KANE COUNTY DIVISION OF TRANSPORTATION DAVE BOESCH 630-845-7875  
 KANE COUNTY SHERIFF DONALD E. KRAMER 630-232-6840  
 KANE COUNTY OFFICE OF EMERGENCY MANAGEMENT DONALD BRYANT 630-232-5985  
 BIG ROCK TOWNSHIP HIGHWAY DEPARTMENT RICK RAUSCH 630-556-4331
- IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF THE SIGNS.
- LONGITUDINAL DIMENSIONS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INSTALLED BY THE CONTRACTOR ARE IN PLACE AND OPERATING 24 HOURS EACH DAY, INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT ARE DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)."
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1084.02 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITIONS. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION AND ACCEPTANCE OF THE SIGNS.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE IDOT SHALL BE USED.
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8'-0" IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3), AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL A 9" BY VARIABLE OR 12" BY VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) DAYS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC, THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.

SIGN LEGEND

W20-2, 48"x48" WITH AMBER FLASHING LIGHT AND OPTIONAL FLAG (18" X 18")

W20-3, 48"x48" WITH AMBER FLASHING LIGHT AND OPTIONAL FLAG (18" X 18")

W20-3, 48"x48" WITH AMBER FLASHING LIGHT AND OPTIONAL FLAG (18" X 18")

R11-3b 60"x30"

END DETOUR	ROAD CLOSED	DETOUR	SOUTH
M4-8A 24"x18"	R11-2 48"x30"	M4-10R 48"x18"	M3-3 24"x12"
NORTH	DETOUR	Dauberman Rd	↑
M3-1 24"x12"	M4-8 24"x12"	M1-1100	M4-9 21"x15"
M5-1L 21"x15"	M5-1R 21"x15"	M6-1 21"x15"	M6-1 21"x15"

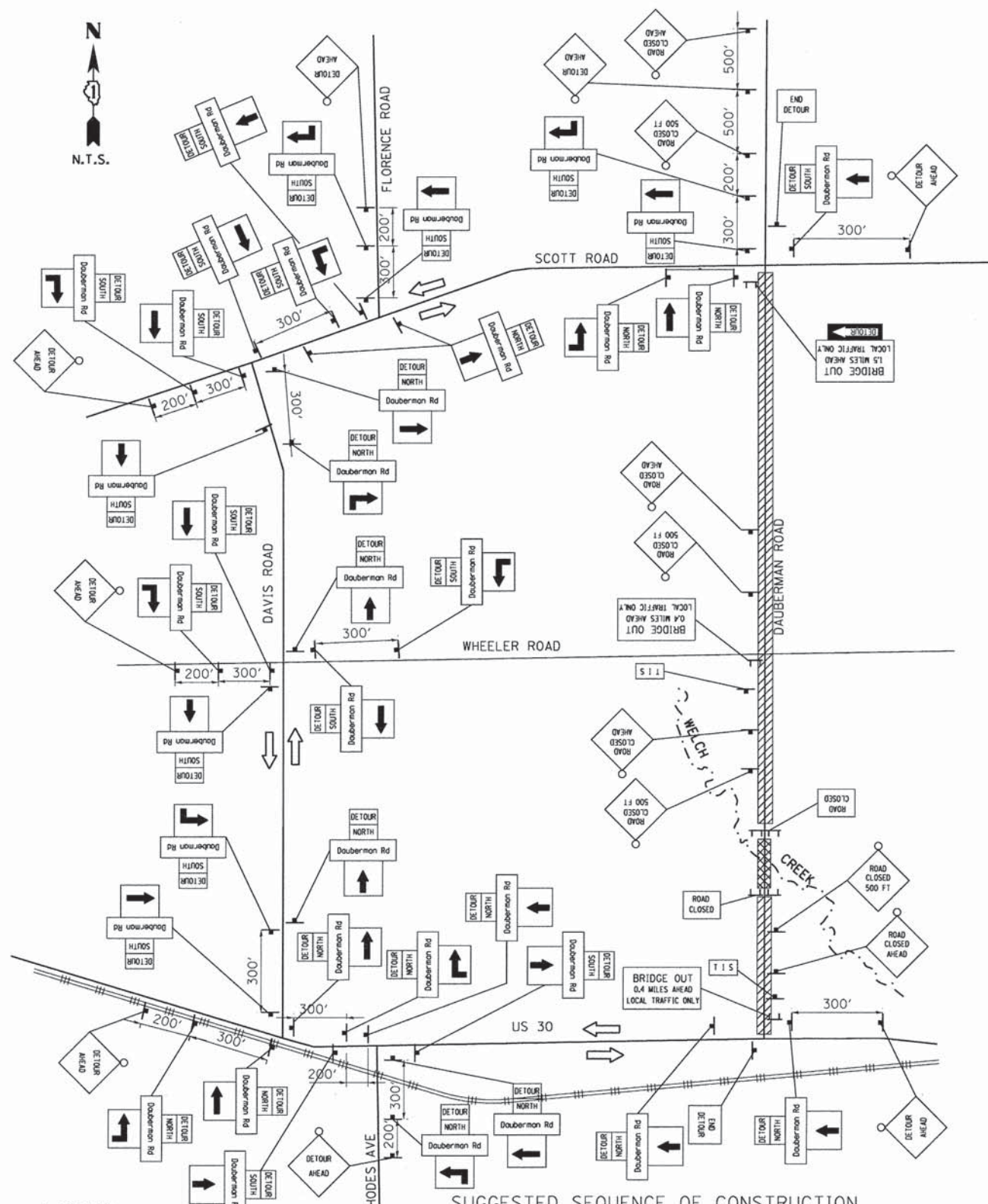


TEMPORARY INFORMATION SIGN (T.I.S.)

- USE BLACK LETTERING ON ORANGE BACKGROUND.
- ERECT SIGN TWO WEEKS PRIOR TO THE START OF CONSTRUCTION NORTH AND SOUTH OF THE EXISTING BRIDGE. THE CONTRACTOR WILL COORDINATE WITH THE ENGINEER ON THE EXACT PLACEMENT OF THE SIGN.
- SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- ONE TEMPORARY INFORMATION SIGN ASSEMBLY EQUALS 12.0 SQ FT.
- USE APPROPRIATE MONTH AND DATE FOR CONTRACT ON SIGN PANEL.
- SHALL BE PAID FOR AS "TEMPORARY INFORMATION SIGNING."

SUGGESTED SEQUENCE OF CONSTRUCTION

- IN GENERAL, THE STAGING OF CONSTRUCTION FOR THE DAUBERMAN ROAD BRIDGE SHALL BE AS FOLLOWS:
- COORDINATE UTILITY RELOCATES
  - SET UP TEMPORARY INFORMATION SIGN
  - SET UP DETOUR AS DETAILED IN THE PLANS
  - CLOSE DAUBERMAN ROAD AT BRIDGE
  - SET UP TEMPORARY EROSION CONTROL MEASURES
  - REMOVE EXISTING PAVEMENTS AND BRIDGE STRUCTURES (SEE REMOVAL PLANS)
  - CONSTRUCT PROPOSED BRIDGE AND PAVEMENTS (TO SURFACE)
  - CONSTRUCT GUARDRAILS AND SIGNAGE
  - PLACE PERMANENT RESTORATION AND PAVEMENT MARKINGS
  - OPEN DAUBERMAN ROAD BRIDGE TO TRAFFIC AND REMOVE DETOUR
  - FINALIZE PUNCH LIST AND SITE CLEANUP



LEGEND

- T I S TEMPORARY INFORMATION SIGN
- ↔ DETOUR ROUTE
- TT TYPE III BARRICADE WITH TWO FLASHING LIGHTS
- ▨ COMPLETELY CLOSED
- ▩ PARTIALLY CLOSED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DAUBERMAN ROAD / CH 62

TEMPORARY DETOUR PLAN  
DAUBERMAN RD

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1107	08-00066-02-BR	KANE	40	14
CONTRACT NO. 61A07				
ILLINOIS FED. AID PROJECT				

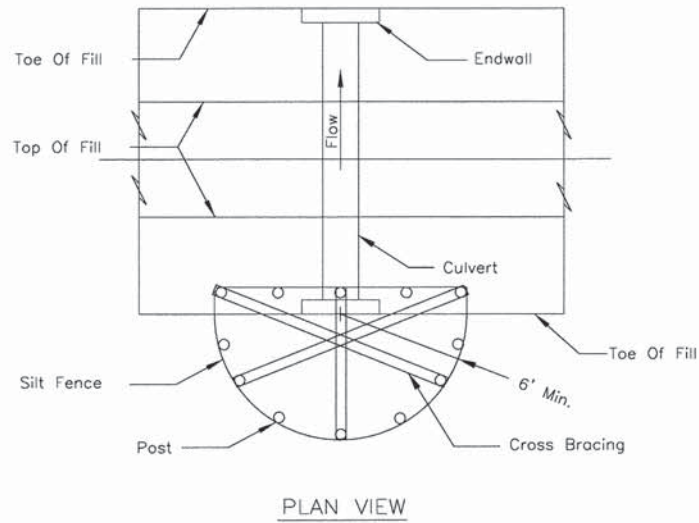
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

USER NAME = hechtbr	DESIGNED - MRK	REVISED -
PLOT SCALE = 1000.0000 ' / in.	DRAWN - MRK	REVISED -
PLOT DATE = 4/2/2015	CHECKED - BRH	REVISED -
	DATE - 03/13/15	REVISED -



INLET AND PIPE PROTECTION

CULVERT INLET PROTECTION - SILT FENCE

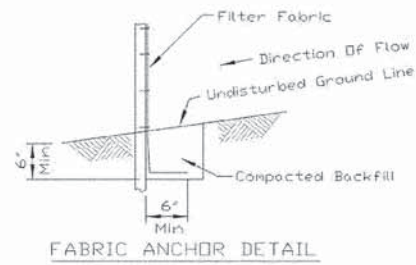
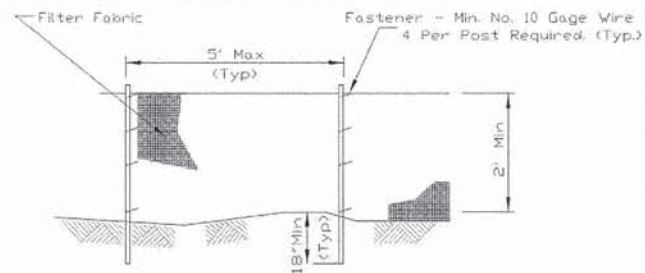


- NOTES:
1. The silt fence shall meet the requirements as shown on standard drawing IL-620 SILT FENCE except the maximum post spacing shall be 3 feet and the tops of posts shall be cross braced.
  2. Sediment shall be removed when the sediment has accumulated to one-half the height of the silt fence.
  3. The maximum drainage area to the culvert being protected is 1 acre.

REFERENCE	<p><b>NRCS</b> Natural Resources Conservation Service</p>	STANDARD DWG. NO.
Project _____		IL-508SF
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 1-29-99
Approved _____ Date _____		

4. CULVERT INLET PROTECTION - SILT FENCE SHALL BE PAID AS "INLET AND PIPE PROTECTION".

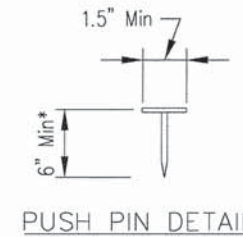
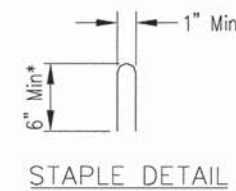
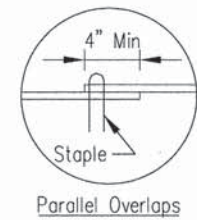
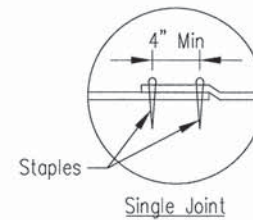
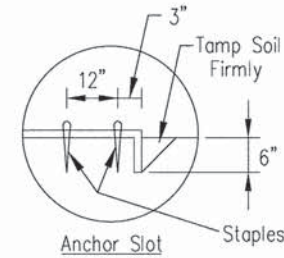
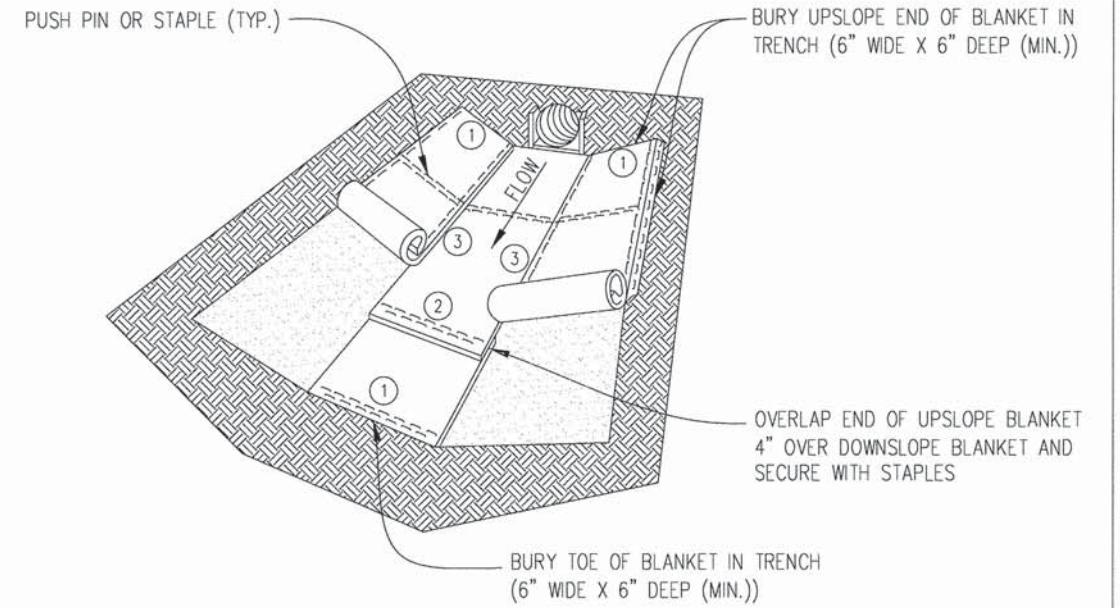
SILT FENCE PLAN



- NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
  2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
  3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE		STANDARD DWG. NO.
Project _____		IUM-620A
Designed _____ Date _____		SHEET 1 OF 2
Checked _____ Date _____		DATE 3-16-12

TURF REINFORCEMENT MAT



- \*Note:
1. For sandy soil conditions, staple or push pin shall be a minimum 8 inches.

Sheet 1 of 1	File No. IUM-531	<p>EROSION CONTROL BLANKET TURF REINFORCEMENT MAT</p>	Designed _____	Date _____
Drawn B. JOHNSON	10/29/10		Checked _____	
			Approved _____	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DAUBERMAN ROAD / CH 62

EROSION AND SEDIMENT CONTROL DETAILS - I  
DAUBERMAN ROAD

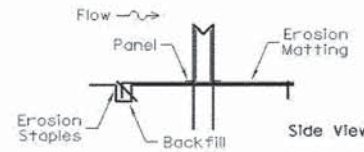
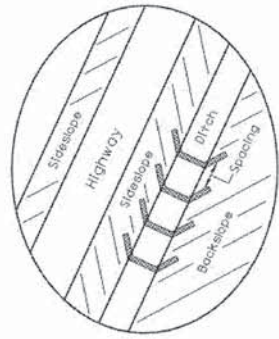
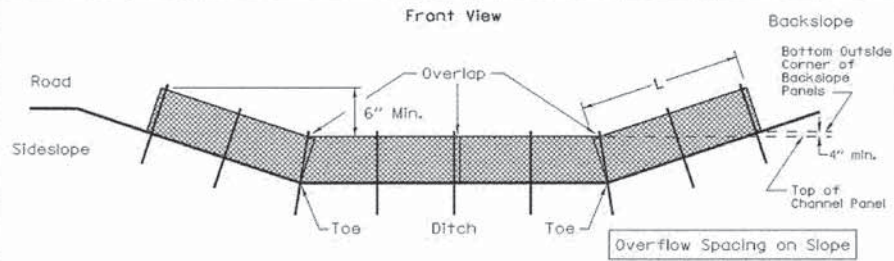
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1107	08-00066-02-BR	KANE	40	16
CONTRACT NO. 61A07				
ILLINOIS FED. AID PROJECT				

SCALE: NTS SHEET OF SHEETS STA. TO STA.

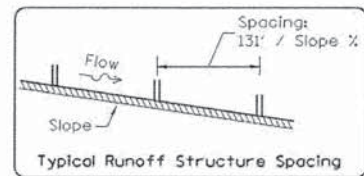


TEMPORARY DITCH CHECK

SYNTHETIC POROUS RUNOFF CONTROL STRUCTURES



Minimum Installation Length up Slopes	
Slope	Panels
2:1	1
2.5:1	1.5
3:1	2
3.5:1	2
4:1	2
5:1	2.5
6:1	2.5



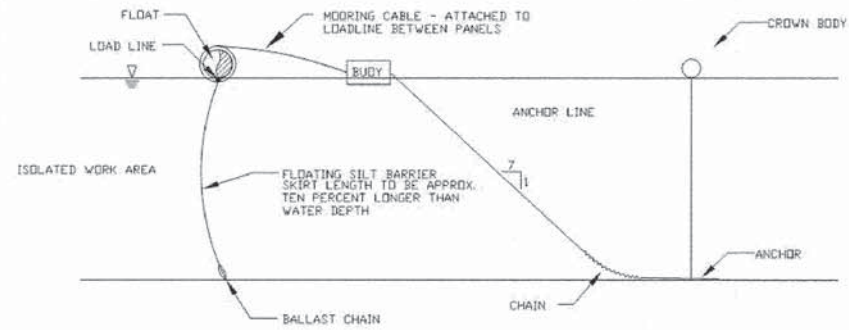
REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_



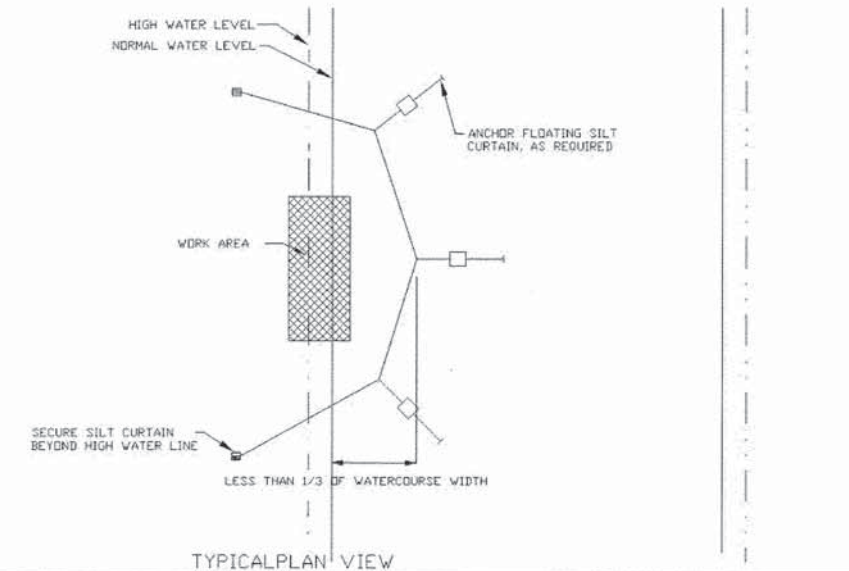
STANDARD DWG. NO.  
**IUM-514**  
SHEET 1 OF 1  
DATE 8-19-11

TURBIDITY BARRIER

FLOATING SILT CURTAIN - TYPICAL LAYOUT



TYPICAL COMPONENTS / ANCHORAGE SYSTEM



Maximum flow for waterbody shall be less than 5fps.  
Isolated work area shall not exceed more than 1/3 stream width.  
Silt curtain shall be placed parallel to stream flow.

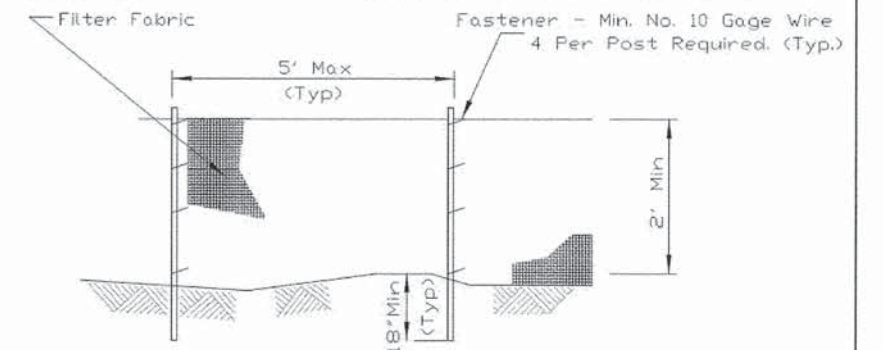
REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_



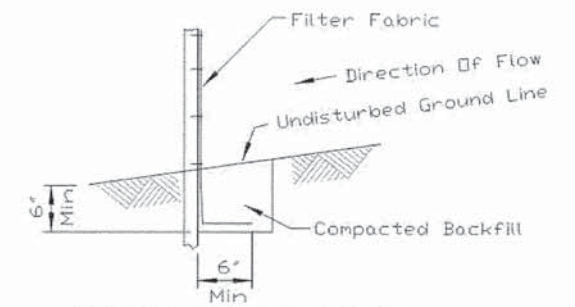
STANDARD DWG. NO.  
**IUM-617A**  
SHEET 1 OF 1  
DATE 1-06-2012

PERIMETER EROSION BARRIER

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

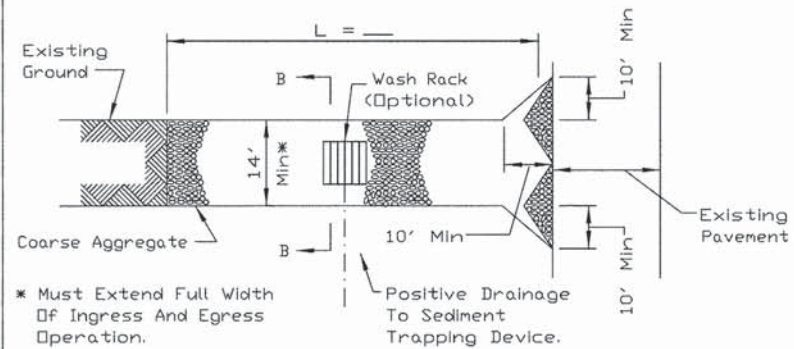
- NOTES:
- Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
  - Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
  - Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE  
Project \_\_\_\_\_ Date \_\_\_\_\_  
Designed \_\_\_\_\_ Date \_\_\_\_\_  
Checked \_\_\_\_\_ Date \_\_\_\_\_  
Approved \_\_\_\_\_ Date \_\_\_\_\_

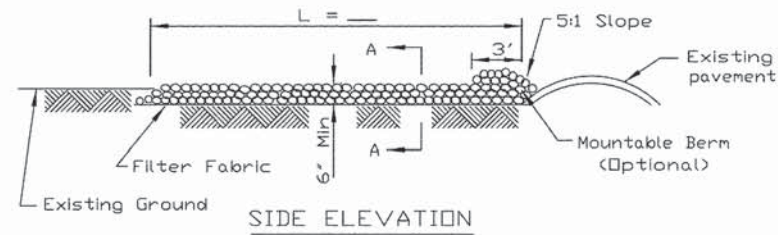


STANDARD DWG. NO.  
**IUM-620A**  
SHEET 1 OF 2  
DATE 3-16-12

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

NOTES:

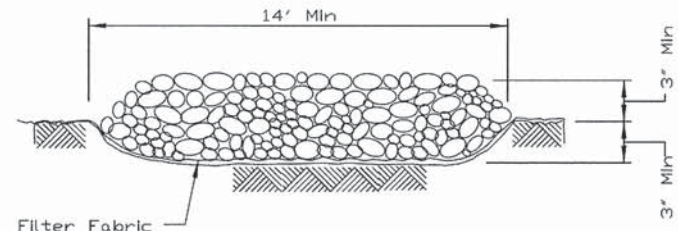
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	Project	_____
	Designed	_____ Date _____
	Checked	_____ Date _____
	Approved	_____ Date _____

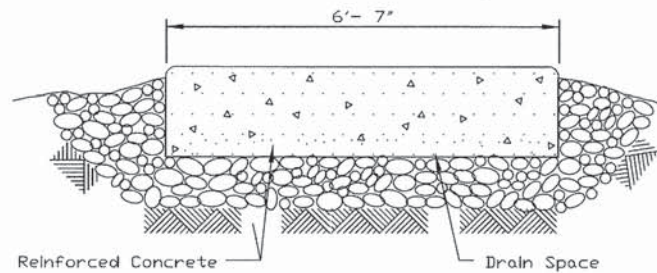


STANDARD DWG. NO.	IL-630
SHEET	1 OF 2
DATE	8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



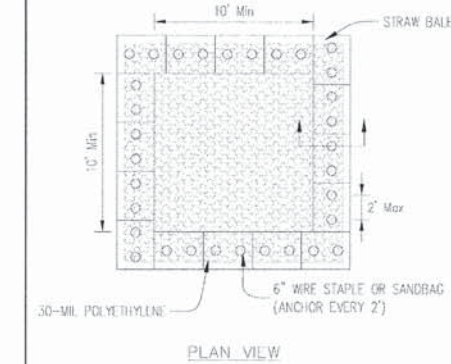
SECTION B-B

REFERENCE	Project	_____
	Designed	_____ Date _____
	Checked	_____ Date _____
	Approved	_____ Date _____

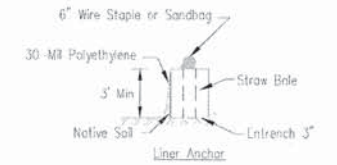


STANDARD DWG. NO.	IL-630
SHEET	2 OF 2
DATE	8-18-94

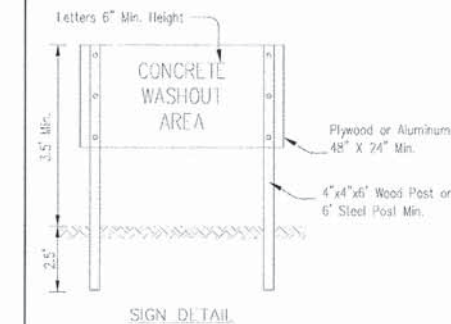
AUTOCAD2006



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

DESIGNED	_____	DATE	_____
DRAWN	_____	CHECKED	_____
CHECKED	_____	APPROVED	_____

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

4/2/2015 4:22:25 PM \\FS-0844\env\env\aut\l\l\trans\871\FRCH\10821324-48\CIVIL\CAD\080891\Sheet\01080891-511-erosn04.dgn

exp U.S. Services Inc. Chicago, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = hechtbr PLOT SCALE = 2,5000' / 1" = 1' PLOT DATE = 4/2/2015	DESIGNED - DRAWN - MRK CHECKED - DATE - 03/13/15	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DAUBERMAN ROAD / CH 62	EROSION AND SEDIMENT CONTROL DETAILS - III DAUBERMAN ROAD	SCALE: NTS SHEET OF SHEETS STA. TO STA.	F.A.S. RTE. 1107 SECTION 08-00066-02-BR COUNTY KANE TOTAL SHEETS 40 SHEET NO. 18	CONTRACT NO. 61A07 ILLINOIS FED. AID PROJECT
---------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------	-----------------------------------------------------------	--------------------------------------------------	-----------------------------------------------------------------------------	--------------------------------------------------------------	--------------------------------------------	----------------------------------------------------------------------------------------------	-------------------------------------------------

PART OF THE SE 1/4 AND THE NE 1/4 OF SECTION 15, AND PART OF THE SW 1/4 AND THE NW 1/4 OF SECTION 14  
TOWNSHIP 38 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS.

**LEGEND**

SECTION CORNER (16 15 / 21 22)

QUARTER SECTION CORNER

SECTION LINE  
QUARTER SECTION LINE  
QUARTER, QUARTER SECTION LINE  
PLATTED LOT LINES  
PROPERTY (DEED) LINE

APPARENT PROPERTY LINE  
CENTERLINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED RIGHT OF WAY LINE  
PROPOSED EASEMENT  
MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORDED DIMENSION

EXISTING BUILDINGS

EXISTING FENCE

○ IRON PIPE OR ROD FOUND      ⊕ PK NAIL FOUND OR SET  
+ CUT CROSS FOUND OR SET      ● 5/8" REBAR SET

△ T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8" INCH IRON ROD FLUSH WITH THE GROUND TO TIE MONUMENTATION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
T2  
T3

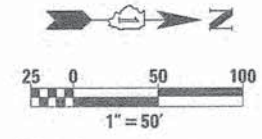
● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8" INCH ROD 20 INCHES BELOW GROUND TO TIE MONUMENTATION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER  
BT2  
BT3

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

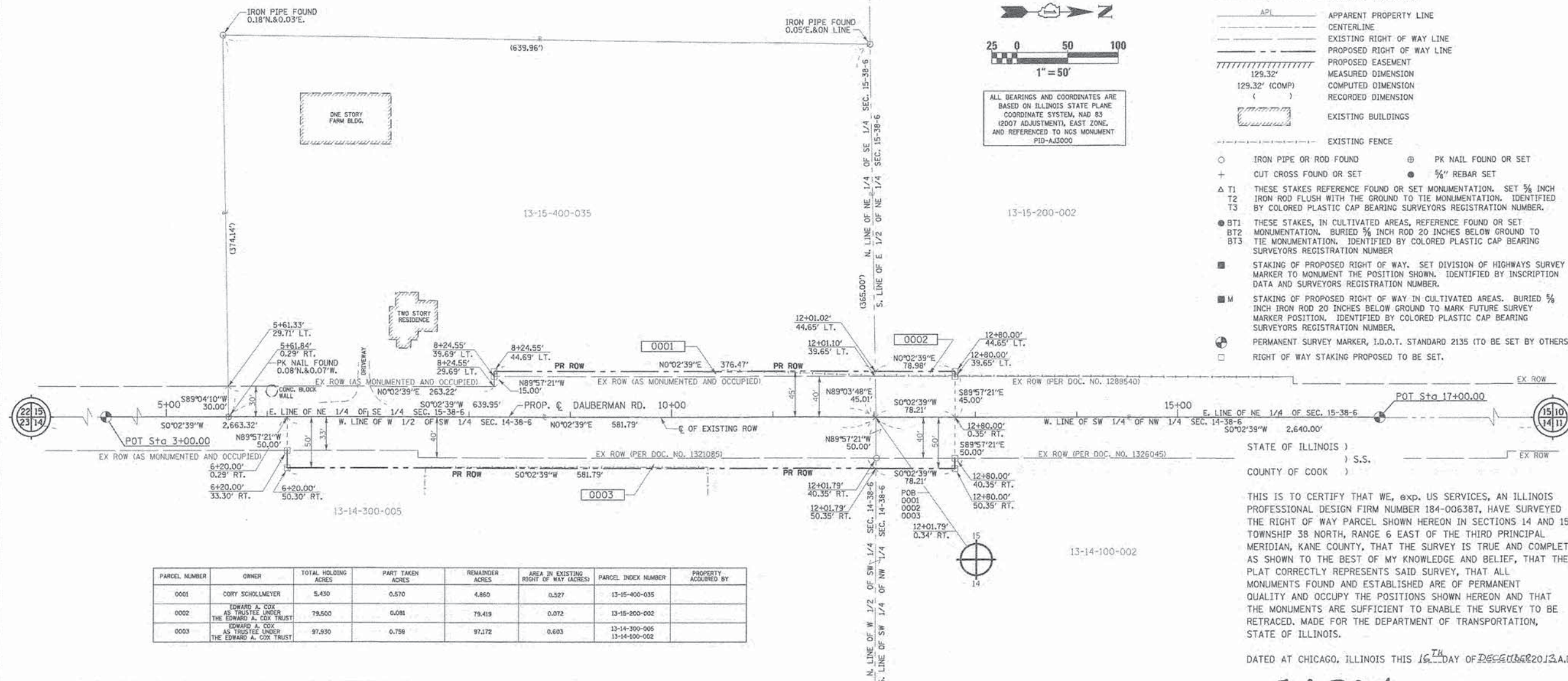
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8" INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

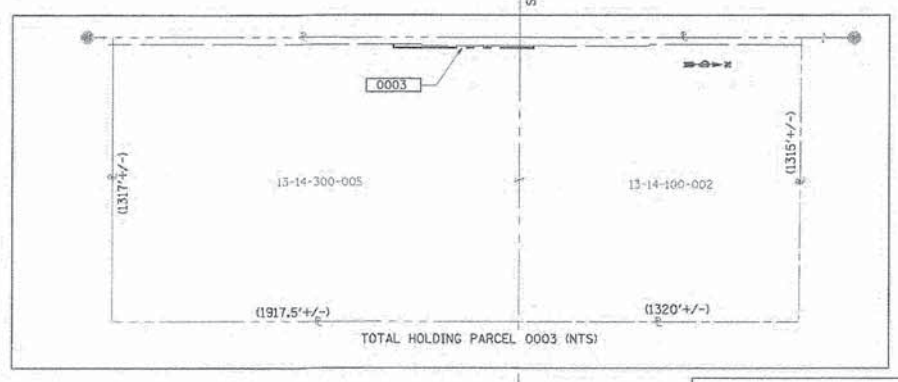
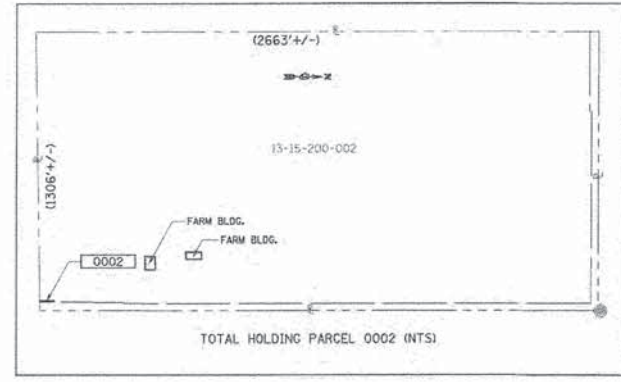
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.



ALL BEARINGS AND COORDINATES ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2007 ADJUSTMENT), EAST ZONE, AND REFERENCED TO NGS MONUMENT FID-AJ3000



PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	AREA IN EXISTING RIGHT OF WAY (ACRES)	PARCEL INDEX NUMBER	PROPERTY ACQUIRED BY
0001	CORY SCHOLLMAYER	5.430	0.570	4.860	0.527	13-15-400-035	
0002	EDWARD A. COX AS TRUSTEE UNDER THE EDWARD A. COX TRUST	79.500	0.081	79.419	0.072	13-15-200-002	
0003	EDWARD A. COX AS TRUSTEE UNDER THE EDWARD A. COX TRUST	97.830	0.758	97.072	0.603	13-14-300-005 13-14-100-002	



THIS IS TO CERTIFY THAT WE, exp. US SERVICES, AN ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-006387, HAVE SURVEYED THE RIGHT OF WAY PARCEL SHOWN HEREON IN SECTIONS 14 AND 15, TOWNSHIP 38 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN HEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 16<sup>TH</sup> DAY OF DECEMBER 2013 A.D.

*J. E. Zloter*  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3186  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DAUBERMAN ROAD (CH 62) (FAS 107)  
SECTION 08-00066-02-BR KANE COUNTY  
PROJECT DAUBERMAN RD. JOB NO. BHOS-0089(127)  
STATION 3+00.00 TO STATION 17+00.00  
SCALE: 1"=50'  
CONTRACT NO. 61A07

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

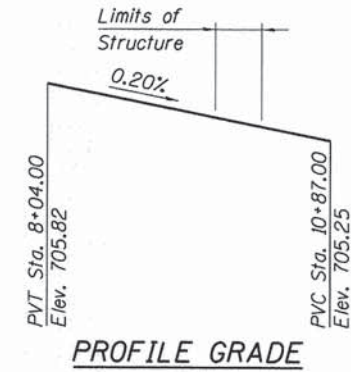
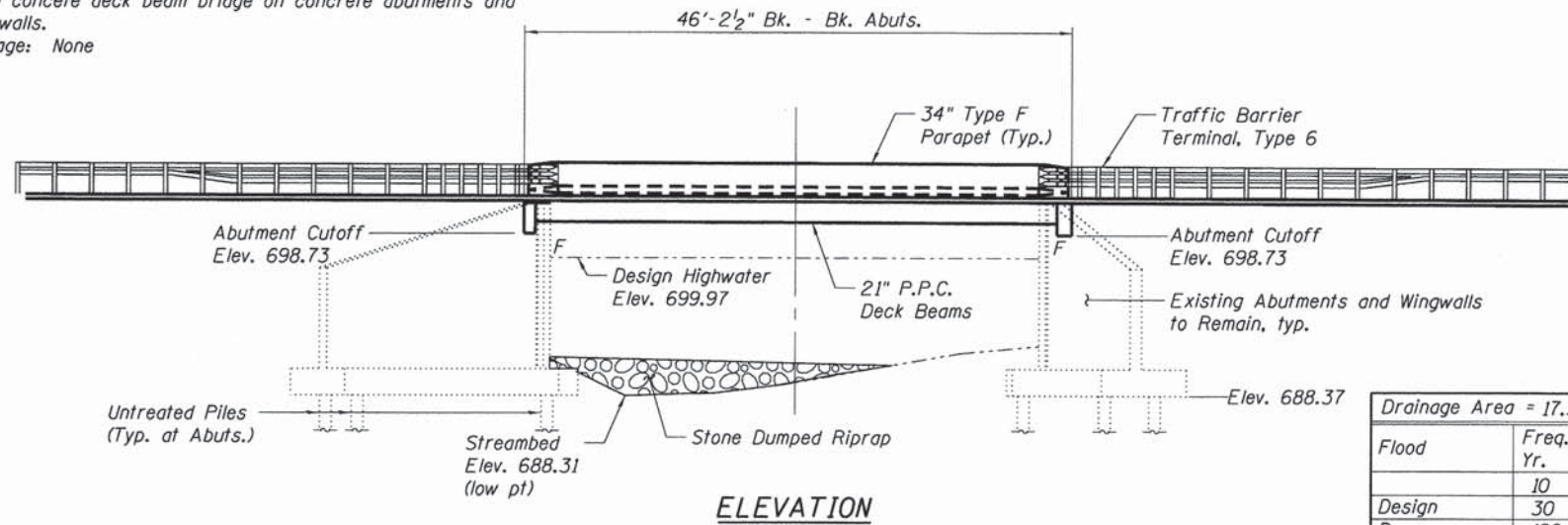
ROUTE NAME: DAUBERMAN ROAD (CH 62) (FAS 107) SECTION: 08-00066-02-BR KANE COUNTY JOB NO.: BHOS-0089-(127) RECORDING: RECORDED ON

exp U.S. Services Inc. Chicago, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = hechtbr	DESIGNED - JZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DAUBERMAN ROAD / CH 62	PLAT OF HIGHWAY FOR REFERENCE ONLY				F.A.S. RTE. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 19
	PLOT SCALE = 50.0000' / 1" =	CHECKED - BRH	REVISED -		SCALE: N.T.S	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61A07		
	PLOT DATE = 4/2/2015	DATE - 03/13/15	REVISED -						ILLINOIS FED. AID PROJECT				

4/2/2015 \\FS-8044\an\Yan\LD-T\area\071\TDC\110221324-08\CIVIL\CAD\08089-S\17-rop\plandlg.dwg



Benchmark (NAVD 88): Square cut on top of the NE wingwall of existing bridge. STA. 10+07.00, 22.1' RT  
 Elev. = 704.67  
 Existing Structure: Existing Structure Number 3107. Single span concrete deck beam bridge on concrete abutments and wingwalls.  
 Salvage: None



**DESIGN SPECIFICATIONS**  
 2012 AASHTO LRFD Bridge Design Specifications, 6th Edition with 2013 Interim Revisions  
**LOADING HL-93**  
 Allow 50#/sq. ft. for future wearing surface.

**DESIGN STRESSES**  
**FIELD UNITS (EXISTING)**  
 $f_c = 1,000$  psi  
 $f_s = 20,000$  psi  
**FIELD UNITS (PROPOSED)**  
 $f_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
**PRECAST PRESTRESSED UNITS**  
 $f_c = 6,000$  psi  
 $f_{ci} = 5,000$  psi  
 $f_{pu} = 270,000$  psi (1/2"  $\phi$  low lax. strands)  
 $f_{pbt} = 201,960$  psi (1/2"  $\phi$  low lax. strands)

**WATERWAY INFORMATION**

Drainage Area = 17.33 Sq. mi. Low Grade Elev. 705.22 @ Sta. 11+75

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
10	1146	282.37	282.37	282.37	699.61	0.37	0.37	699.98	699.98
Design	30	1527	295.87	295.87	699.97	0.73	0.73	700.70	700.70
Base	100	2236	316.12	316.12	700.51	1.58	1.58	702.09	702.09
Overtopping	N/A								
Max. Calc.	500	3333	526.47	526.47	701.22	3.50	3.50	704.72	704.72

**TOTAL BILL OF MATERIAL**

Item	Unit	Total
Granular Backfill for Structures	Cu. Yd.	133
Removal of Existing Superstructures	Each	1
Concrete Removal	Cu. Yd.	22.0
Structure Excavation	Cu. Yd.	135
Concrete Structures	Cu. Yd.	38.0
Concrete Superstructures	Cu. Yd.	18.4
Bridge Deck Grooving	Sq. Yd.	196
Protective Coat	Sq. Yd.	252
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1892
Reinforcement Bars, Epoxy Coated	Pound	11,460
Name Plates	Each	1
Geocomposite Wall Drain	Sq. Yd.	114
Concrete Wearing Surface, 5"	Sq. Yd.	210.3

**ELEVATION**

**INDEX OF SHEETS**

- 1 GENERAL PLAN & ELEVATION
- 2 DECK PLAN AND CROSS SECTION
- 3 SUPERSTRUCTURE DETAILS
- 4 21" X 36" PPC DECK BEAM
- 5 21" X 36" DECK BEAM DETAILS
- 6 21" X 48" PPC DECK BEAM
- 7 21" X 48" PPC DECK BEAM DETAILS
- 8 ABUTMENT REPAIR AND MODIFICATION
- 9 ABUTMENT DETAILS

WELCH CREEK  
 REBUILT 2016 BY  
 KANE COUNTY  
 SEC. 08-00066-02-BR  
 F.A.S. RT. 1107 STA. 9+95  
 STR. NO. 045-3107 LOADING HL93

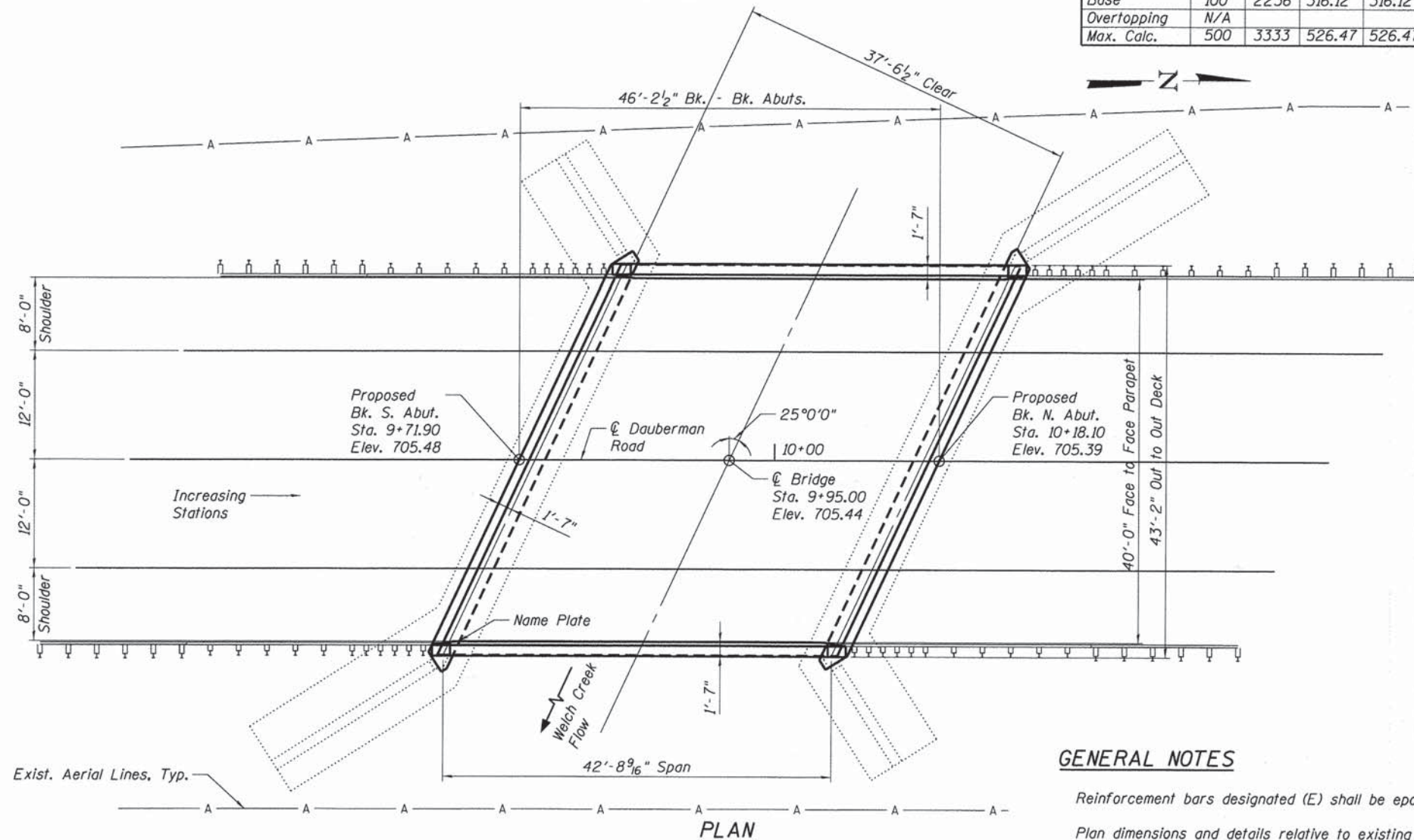
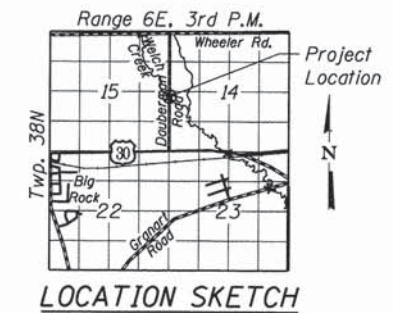
**NAME PLATE**

See Std. 515001  
 Existing Name Plate shall be cleaned and relocated next to new Name Plate.  
 Cost included with Name Plates.

I certify that to the best of my knowledge, information and belief, the bridge and design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of the structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".



*Byron T. Danley*  
 BYRON T. DANLEY  
 IL. REG. NO. 081-004737  
 EXPIRES: 11/30/2016  
 DATE: 3-13-15  
 SHEETS: 21 - 29



**GENERAL NOTES**

Reinforcement bars designated (E) shall be epoxy coated.  
 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.

**GENERAL PLAN**  
**DAUBERMAN ROAD OVER WELCH CREEK**  
 F.A.S. RTE. 1107 (CH 62)  
 SEC. 08-00066-02-BR  
 KANE COUNTY, STATION 9+95.00  
 STRUCTURE NO. 045-3107

**KANE COUNTY**  
**DEPARTMENT OF TRANSPORTATION**

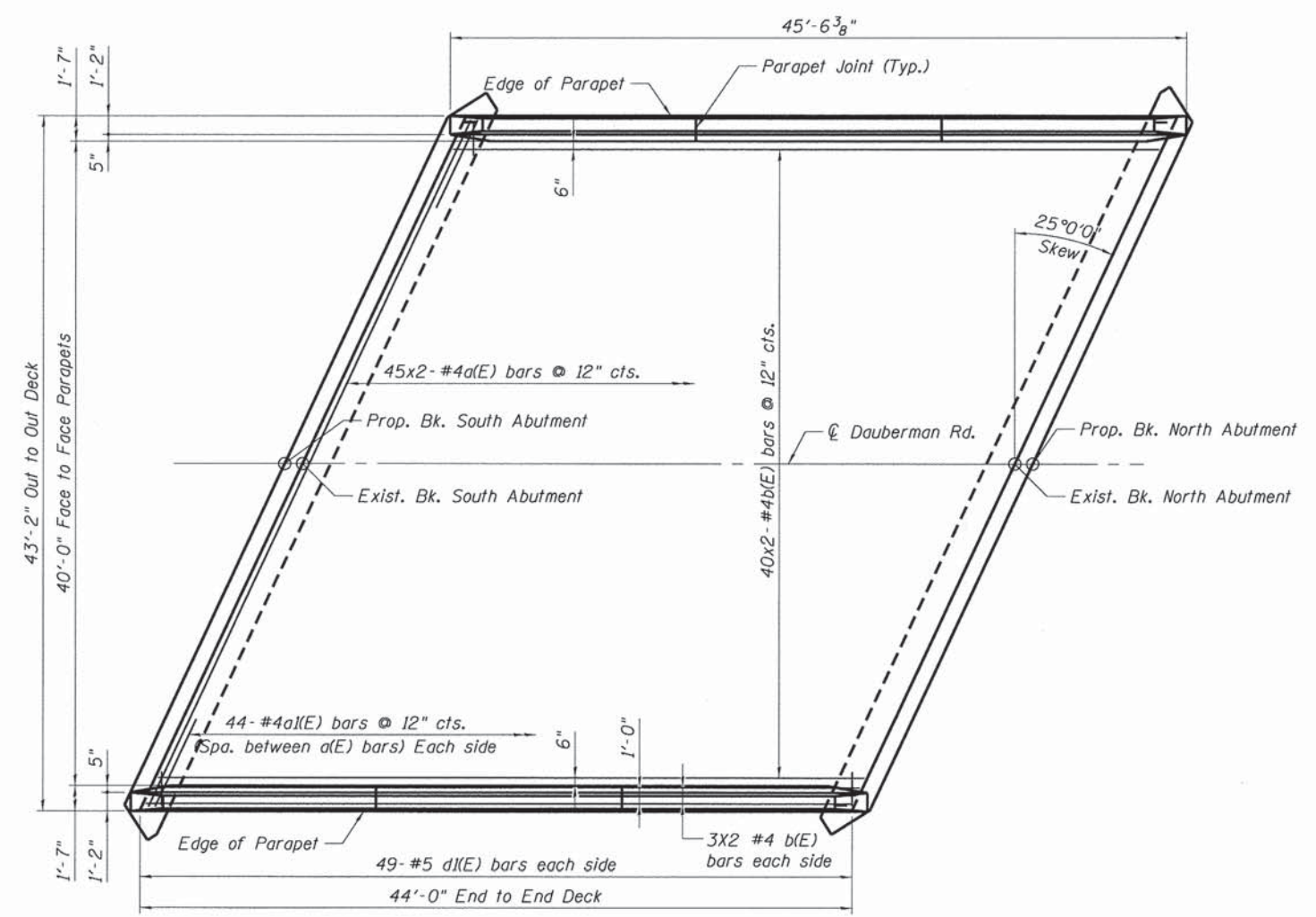
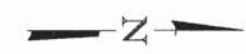
**GENERAL PLAN AND ELEVATION**

SHEET NO. S-1 OF S-9 SHEETS

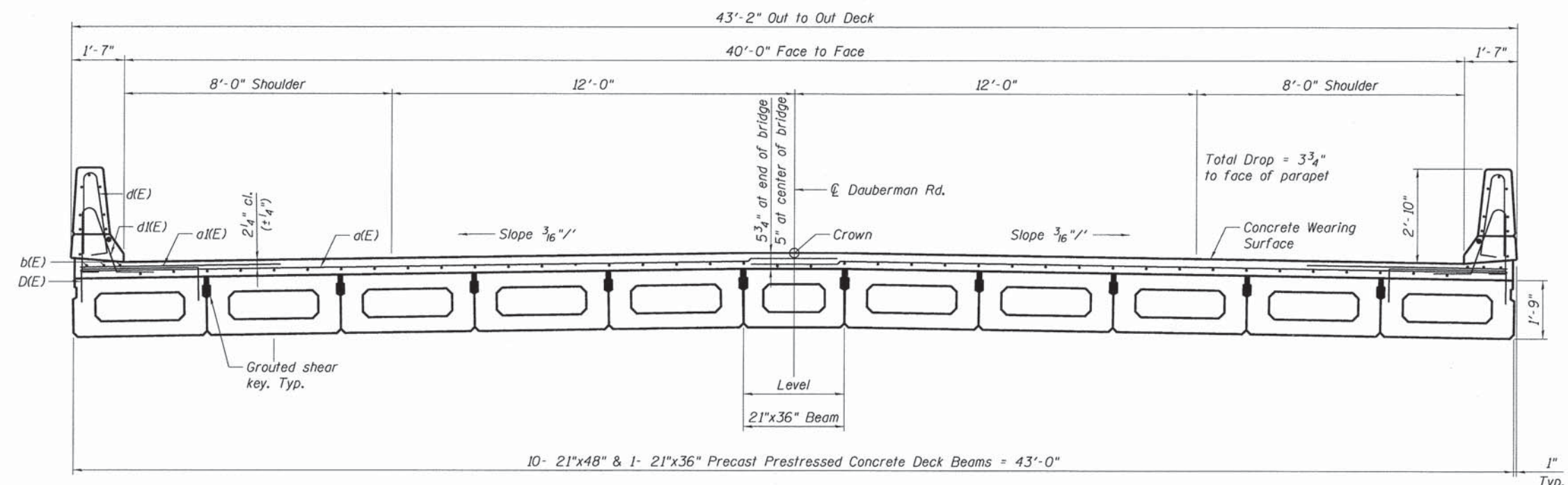
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1107	08-00066-02-BR	KANE	40	21

CONTRACT NO. 61A07  
 (ILLINOIS) FED. AID PROJECT

\\\FS-8044\an\Vel\LD-Trans\_B7A\TRC\11021224-AB\5-Per\et\CD\08081\0453107\Sheet\0453107\_0809-081-DPE\_ahL.dgn  
 4/2/2015



PLAN



CROSS SECTION

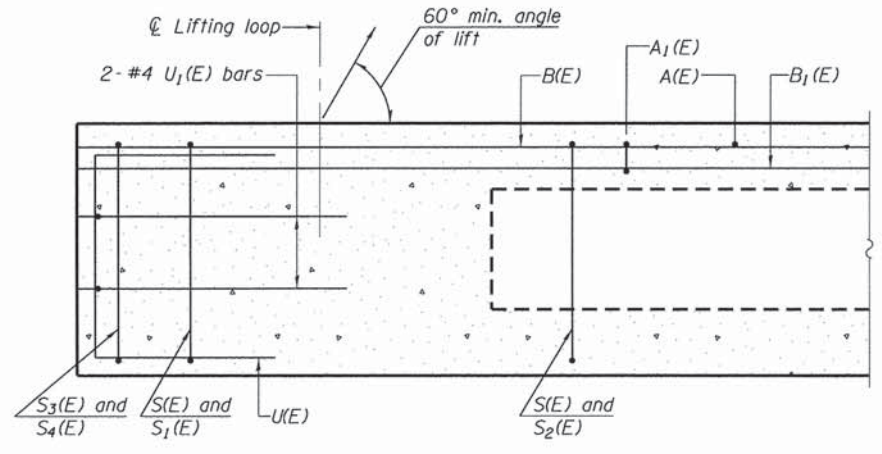
MINIMUM BAR LAP

- #4 bar = 2'-0"
- #5 bar = 2'-6"
- #8 bar = 5'-2"

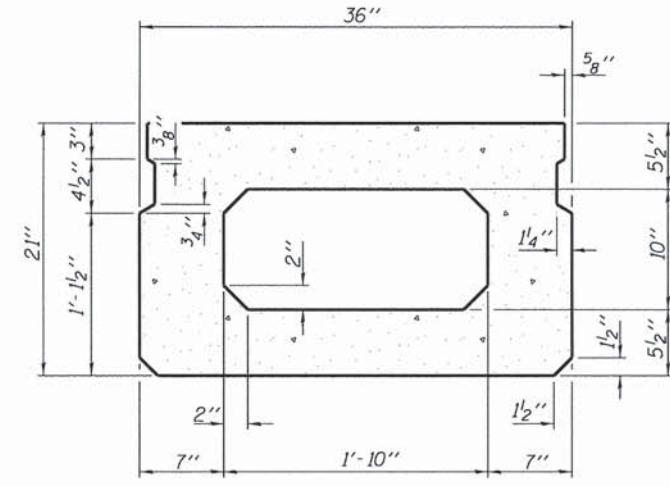
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FILE NAME =	USER NAME =	DESIGNED - SNB	REVISED -	<b>KANE COUNTY DEPARTMENT OF TRANSPORTATION</b>	<b>DECK PLAN AND CROSS SECTION</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DATE - 03/13/15	CHECKED - JLR	REVISED -	1107					08-00066-02-BR	KANE	40	22	
PLOT SCALE =	DRAWN - SNB	REVISED -	SHEET NO. S-2 OF S-9 SHEETS					CONTRACT NO. 61A07				
PLOT DATE =	CHECKED - JLR	REVISED -	ILLINOIS FED. AID PROJECT									

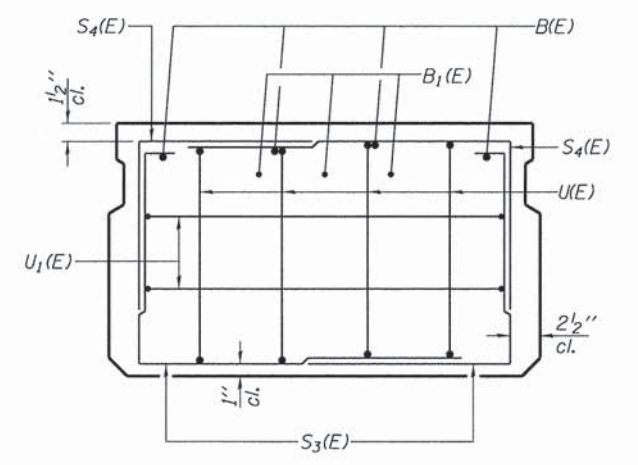




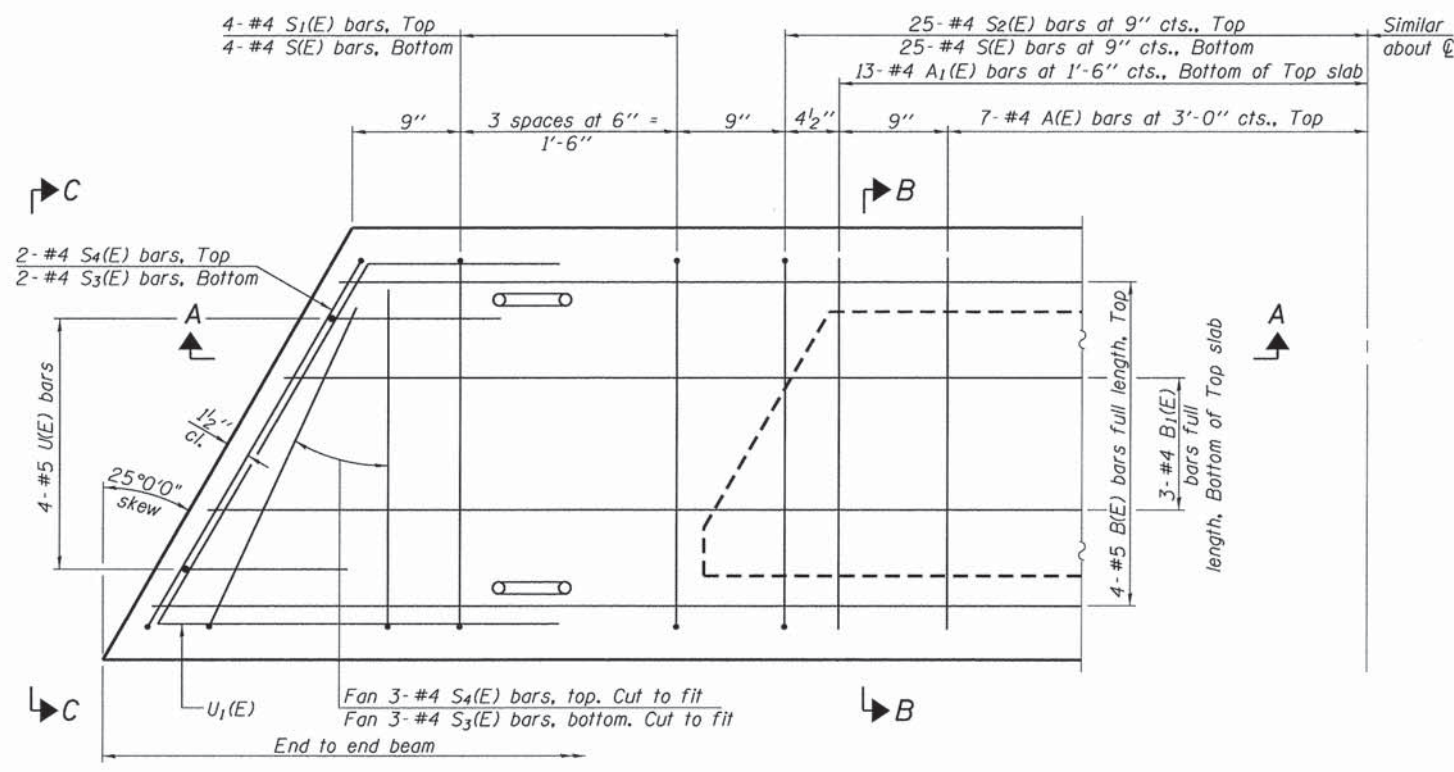
SECTION A-A



SECTION B-B  
(Showing dimensions)

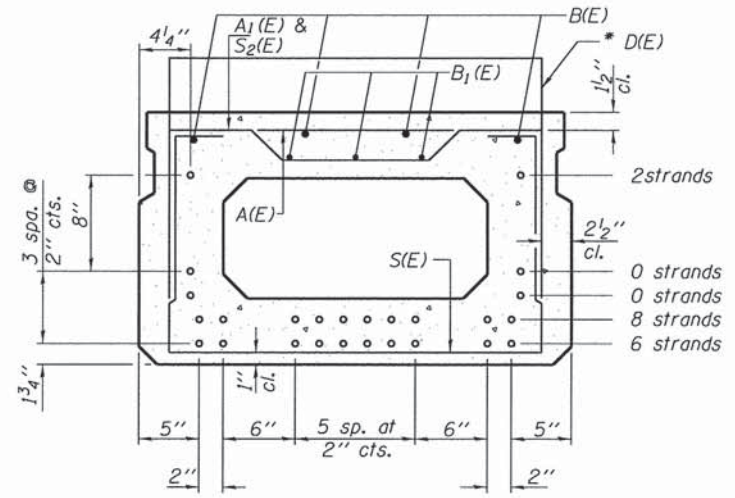


VIEW C-C



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4 inches in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B  
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST  
ONE BEAM ONLY  
(For information only)

Bar	No.	Size	Length	Shape
A(E)	14	#4	2'-7"	—
A1(E)	26	#4	2'-10"	—
B(E)	4	#5	23'-2"	—
B1(E)	3	#4	22'-11"	—
D(E)	49	#4	3'-7"	⌊
S(E)	58	#4	6'-5"	⌊
S1(E)	8	#4	4'-11"	⌊
S2(E)	50	#4	5'-2"	⌊
S3(E)	10	#4	4'-4"	⌊
S4(E)	10	#4	3'-7"	⌊
U(E)	8	#5	4'-0"	⌊
U1(E)	4	#4	5'-5"	⌊

Note: See sheet \$MSO10 of \$STL89 for additional details and Bill of Material.  
f'ci = 5,000 psi

\* D(E) bars to be used on exterior beams only

MINIMUM BAR LAP  
#4 bar = 2'-0"  
#5 bar = 2'-6"

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7-1-10

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PLOT DATE =	CHECKED - JLR	REVISED -	

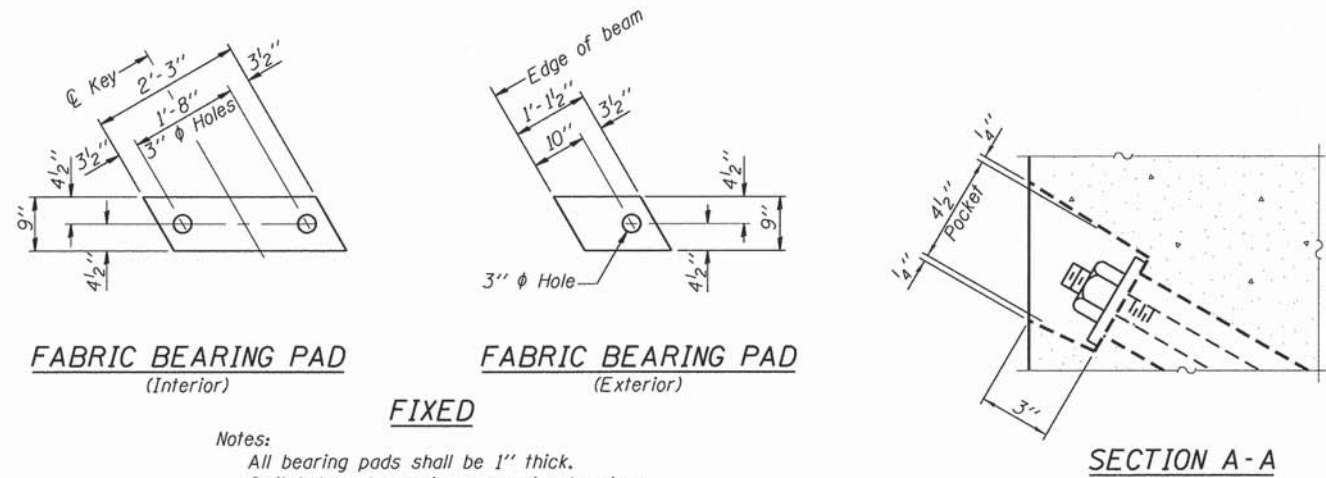
KANE COUNTY  
DEPARTMENT OF TRANSPORTATION

21" x 36" PPC DECK BEAM

SHEET NO. S-4 OF S-9 SHEETS

F.A.S. RTE. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 24
CONTRACT NO. 61A07				
ILLINOIS FED. AID PROJECT				





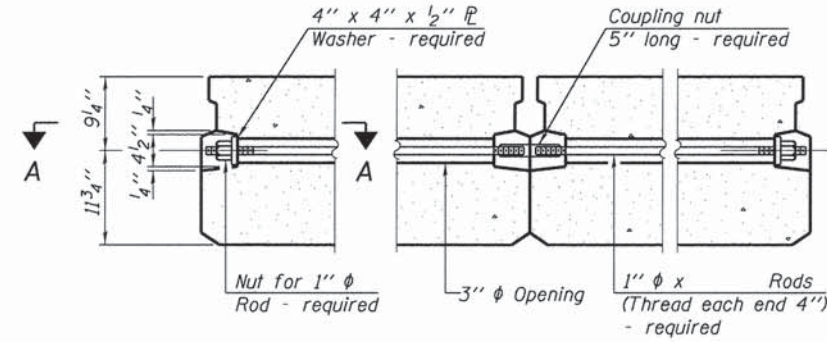
FABRIC BEARING PAD (Interior)

FABRIC BEARING PAD (Exterior)

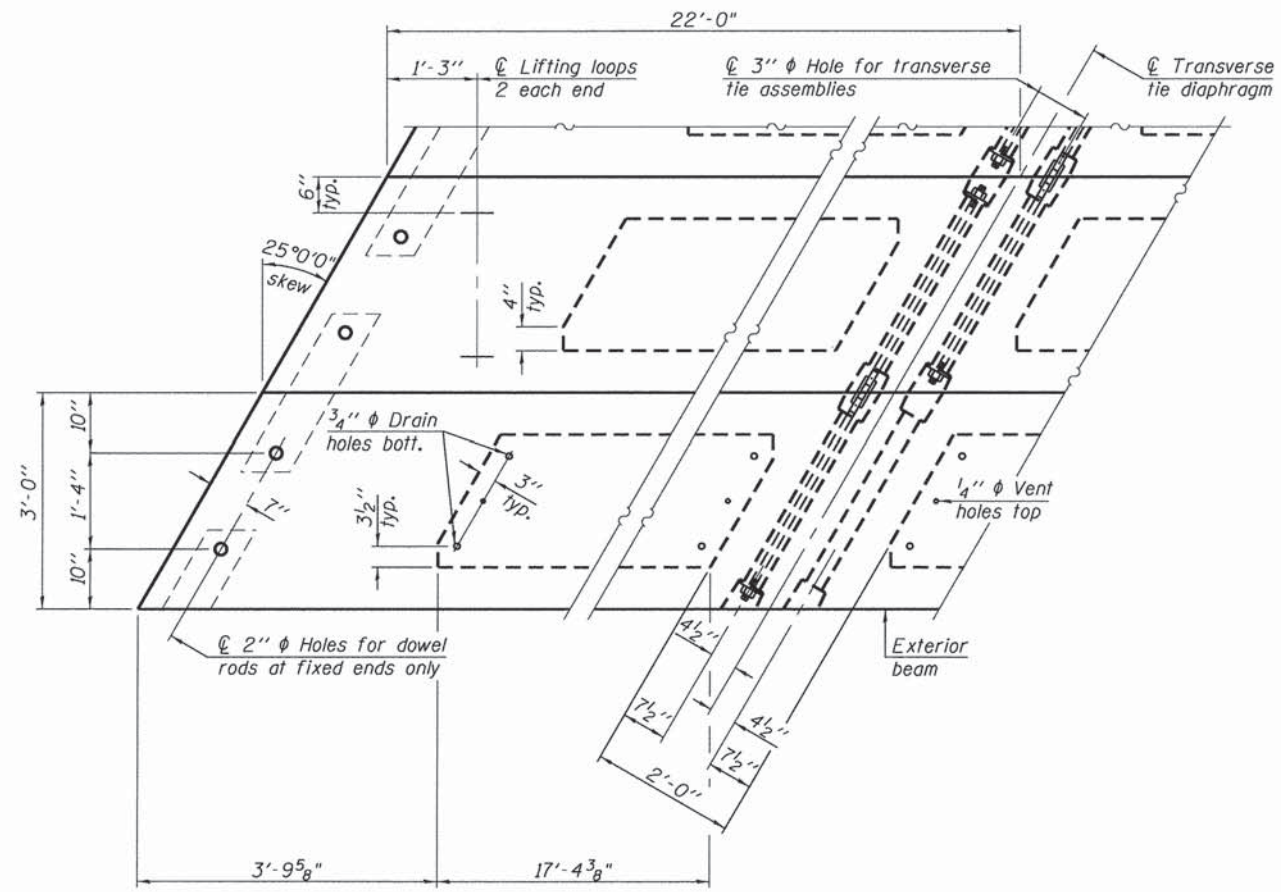
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SECTION A-A

Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pad shall be bonded to the substructure.



TYPICAL TRANSVERSE TIE ASSEMBLY

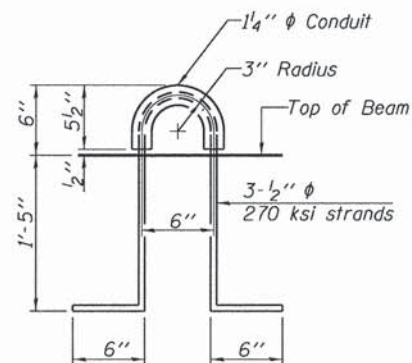
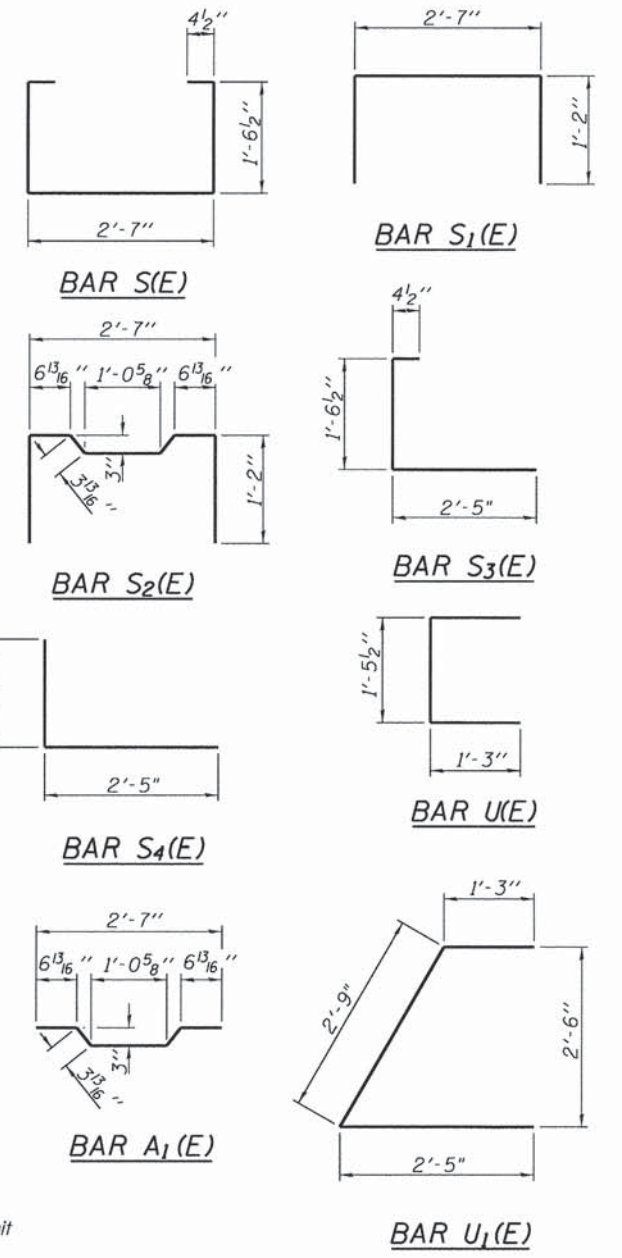


PLAN VIEW

Note:  
Connect beams in pairs with the transverse tie configuration shown.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.  
The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.  
Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).  
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.  
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.  
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.  
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.  
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	132.0
-------------------------------------------------	---------	-------

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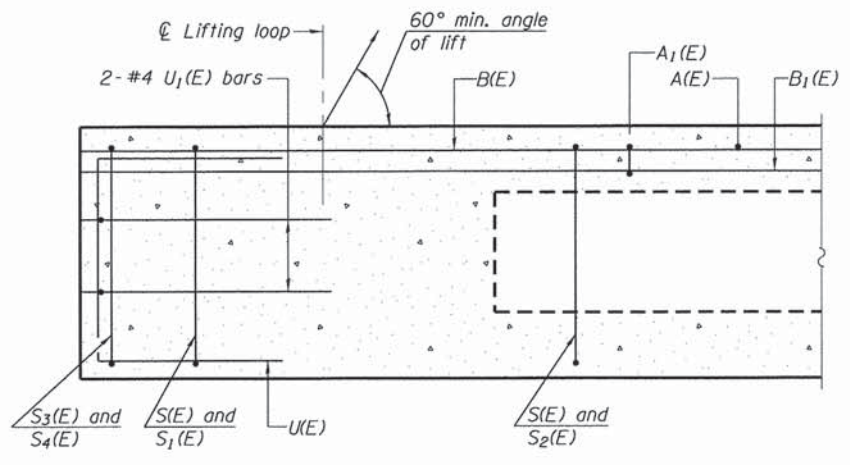
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KANE COUNTY  
DEPARTMENT OF TRANSPORTATION

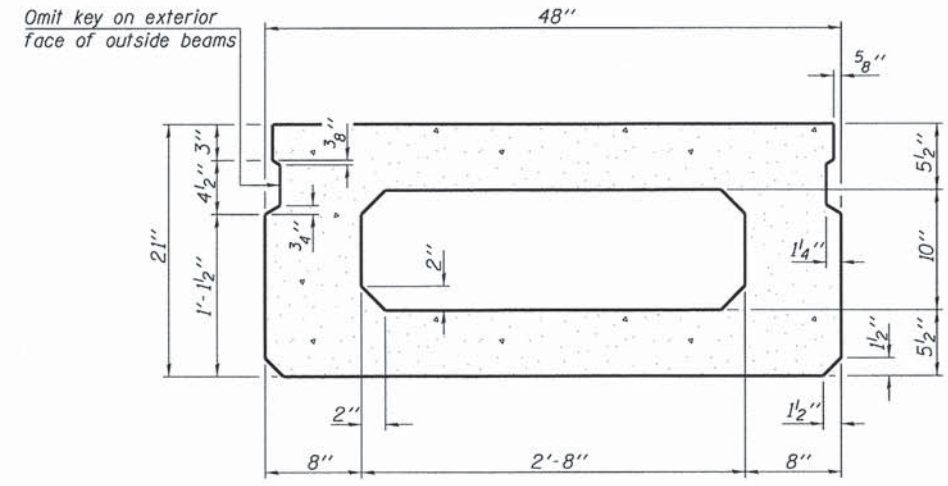
21" x 36" PPC DECK BEAM DETAILS

SHEET NO. S-5 OF S-9 SHEETS

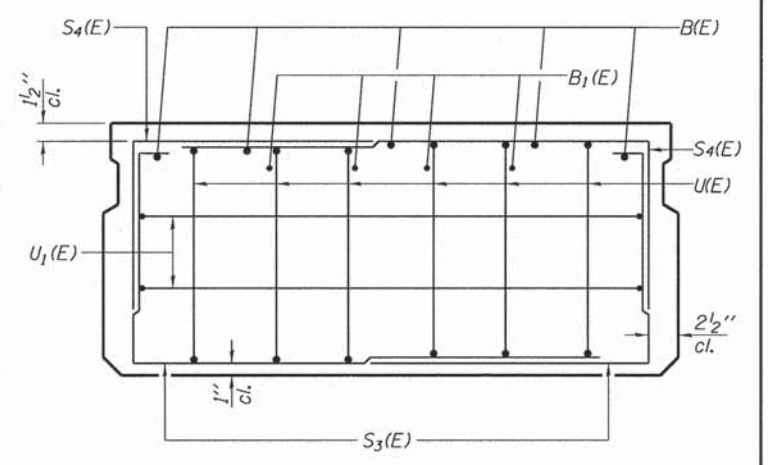
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CONTRACT NO. 61A07			[ILLINOIS] FED. AID PROJECT	



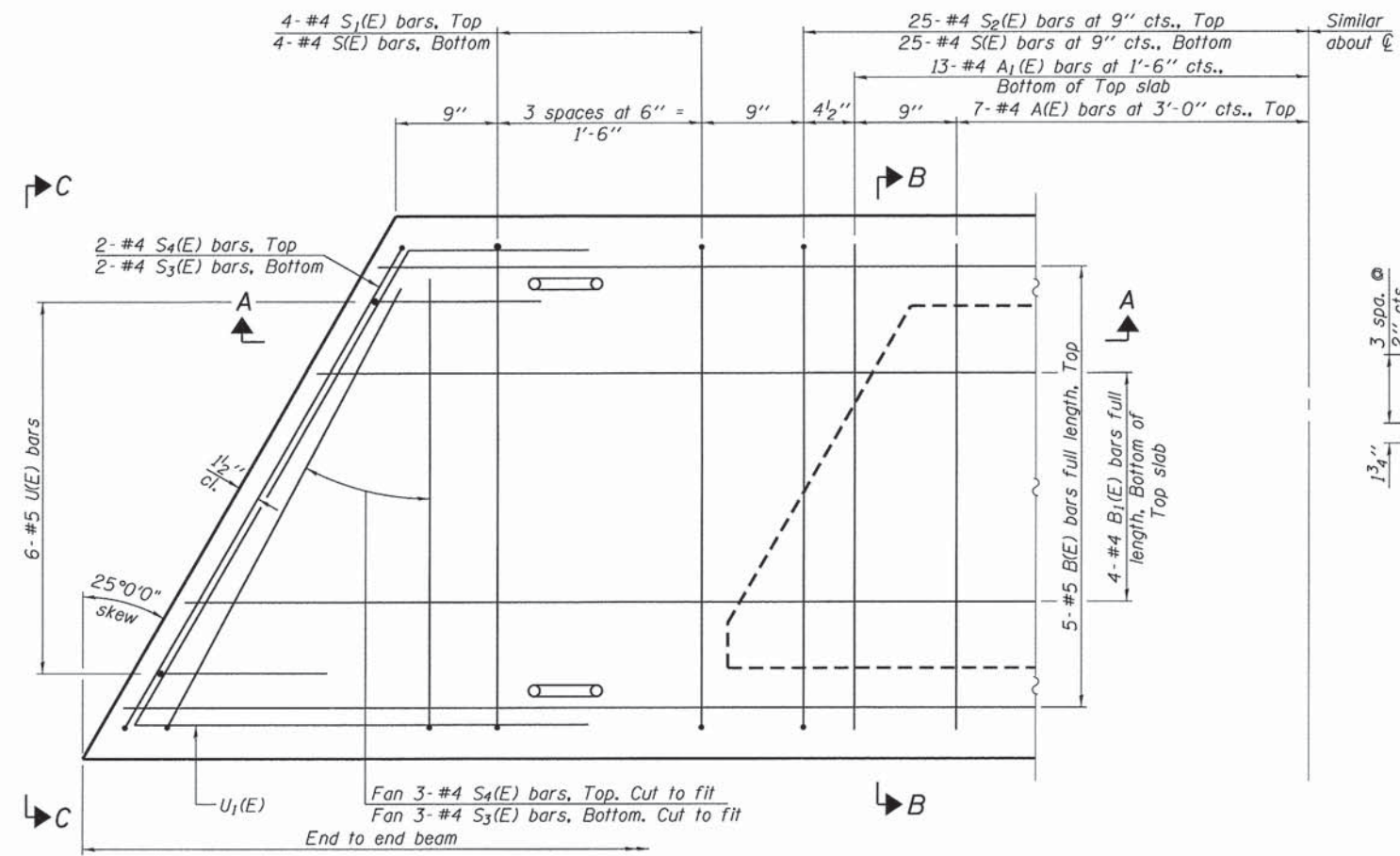
SECTION A-A



SECTION B-B  
(Showing dimensions)

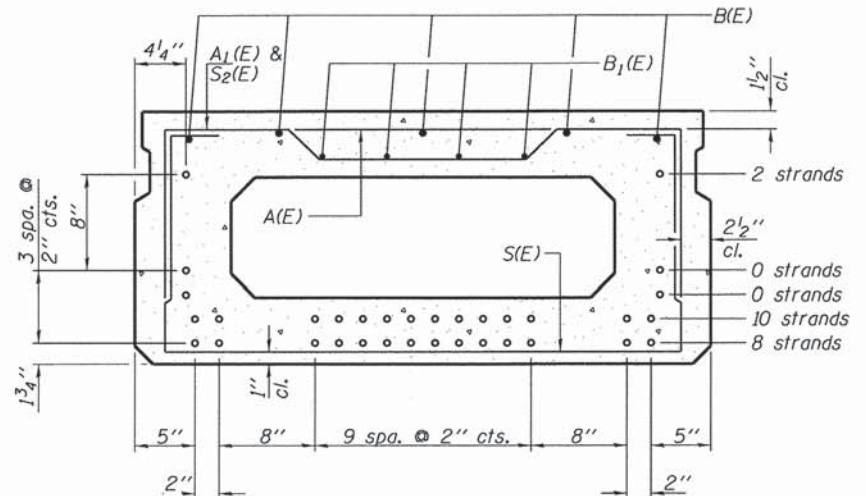


VIEW C-C



PLAN VIEW

Note: Spacing of S1(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B  
(Showing reinforcement and permissible strand locations)  
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST  
ONE BEAM ONLY  
(For information only)

Bar	No.	Size	Length	Shape
A1(E)	14	#4	3'-7"	—
A1(E)	26	#4	3'-10"	—
B1(E)	4	#5	23'-2"	—
B1(E)	3	#4	22'-11"	—
D(E)	49	#4	4'-7"	┌
S(E)	58	#4	7'-5"	┌
S1(E)	8	#4	5'-11"	┌
S2(E)	50	#4	6'-2"	┌
S3(E)	10	#4	4'-10"	┌
S4(E)	10	#4	4'-1"	┌
U1(E)	12	#5	4'-0"	┌
U1(E)	4	#4	8'-0"	┌

Note: See sheet \$MS010 of \$STL89 for additional details and Bill of Material.

f'ci = 5,000 psi

\* D(E) bars to be used on exterior beams only

MINIMUM BAR LAP

#4 bar = 2'-0"  
#5 bar = 2'-6"

PD-2148-L

7-1-10

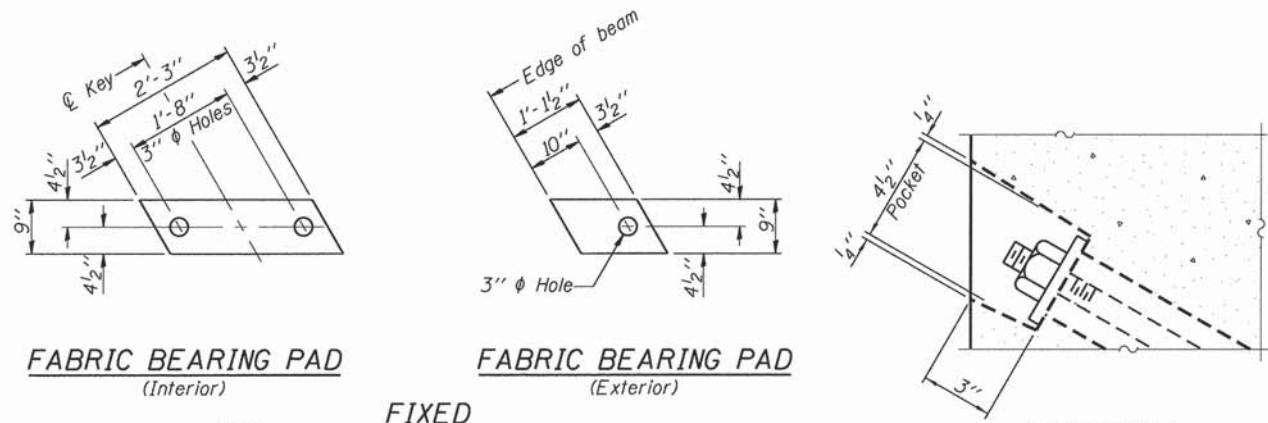
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DATE: 03/13/15	CHECKED: JLR	REVISIONS	
PLOT SCALE:	DRAWN: SNB	REVISIONS	
PLOT DATE:	CHECKED: JLR	REVISIONS	

KANE COUNTY  
DEPARTMENT OF TRANSPORTATION

21" x 48" PPC DECK BEAM

SHEET NO. S-6 OF S-9 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1107	08-00066-02-BR	KANE	40	26
CONTRACT NO. 61A07				
ILLINOIS FED. AID PROJECT				



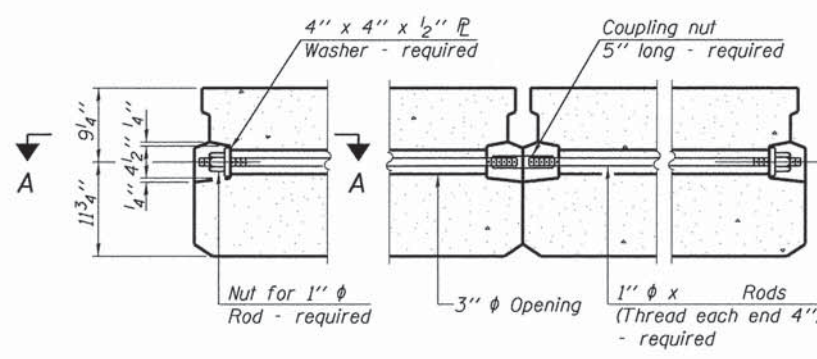
**FABRIC BEARING PAD**  
(Interior)

**FABRIC BEARING PAD**  
(Exterior)

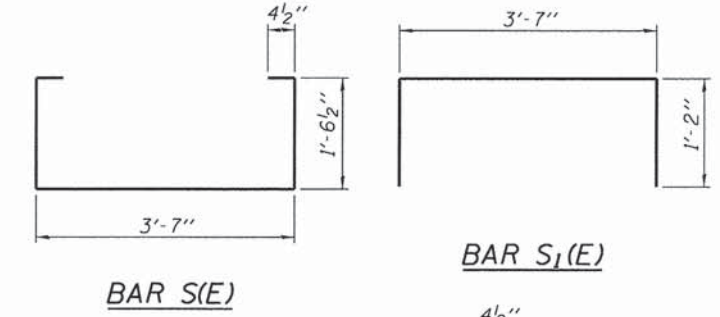
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Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pad shall be bonded to the substructure.

**SECTION A-A**

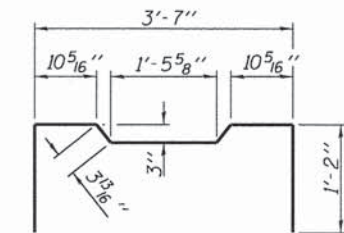


**TYPICAL TRANSVERSE TIE ASSEMBLY**

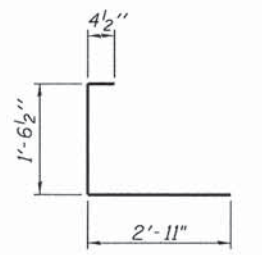


**BAR S(E)**

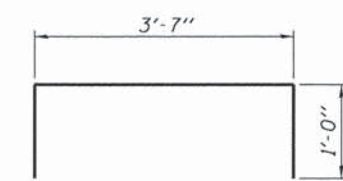
**BAR S<sub>1</sub>(E)**



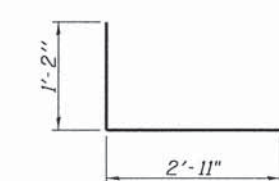
**BAR S<sub>2</sub>(E)**



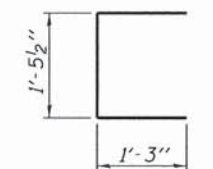
**BAR S<sub>3</sub>(E)**



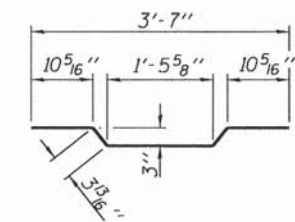
**BAR D(E)**



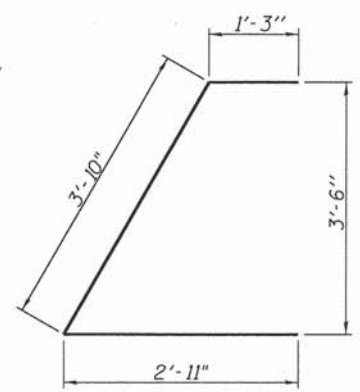
**BAR S<sub>4</sub>(E)**



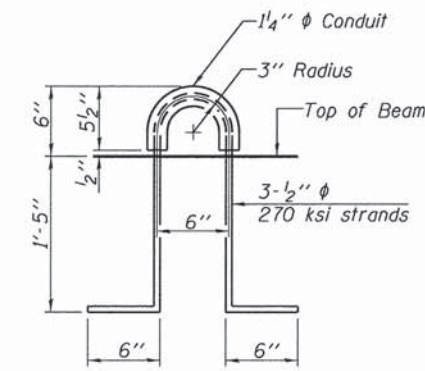
**BAR U(E)**



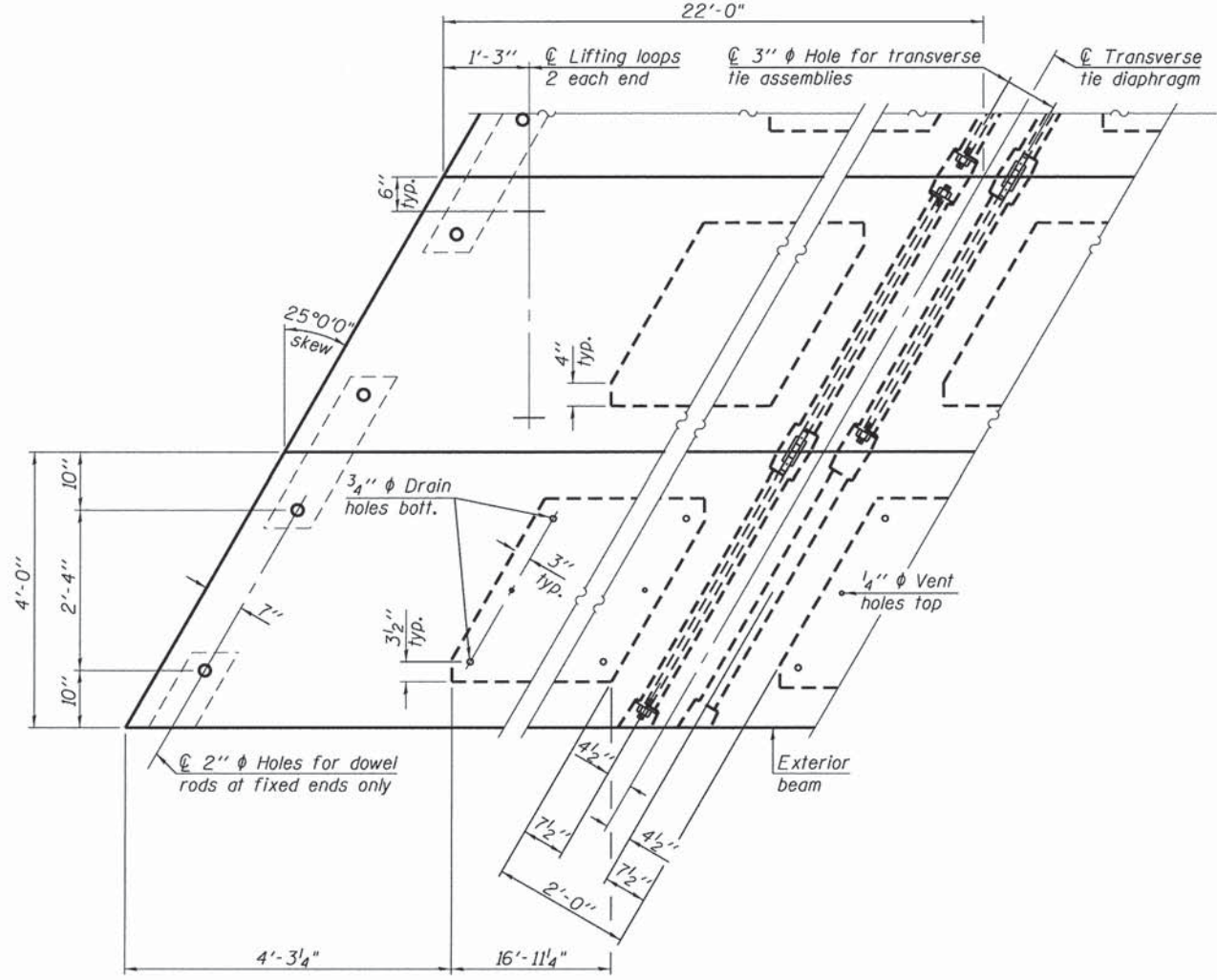
**BAR A<sub>1</sub>(E)**



**BAR U<sub>1</sub>(E)**



**LIFTING LOOP DETAIL**



**PLAN VIEW**

Note: Connect beams in pairs with the transverse tie configuration shown.

**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two 3/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1760
-------------------------------------------------	---------	------

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 delFoult

PD-2148-LD 7-1-10

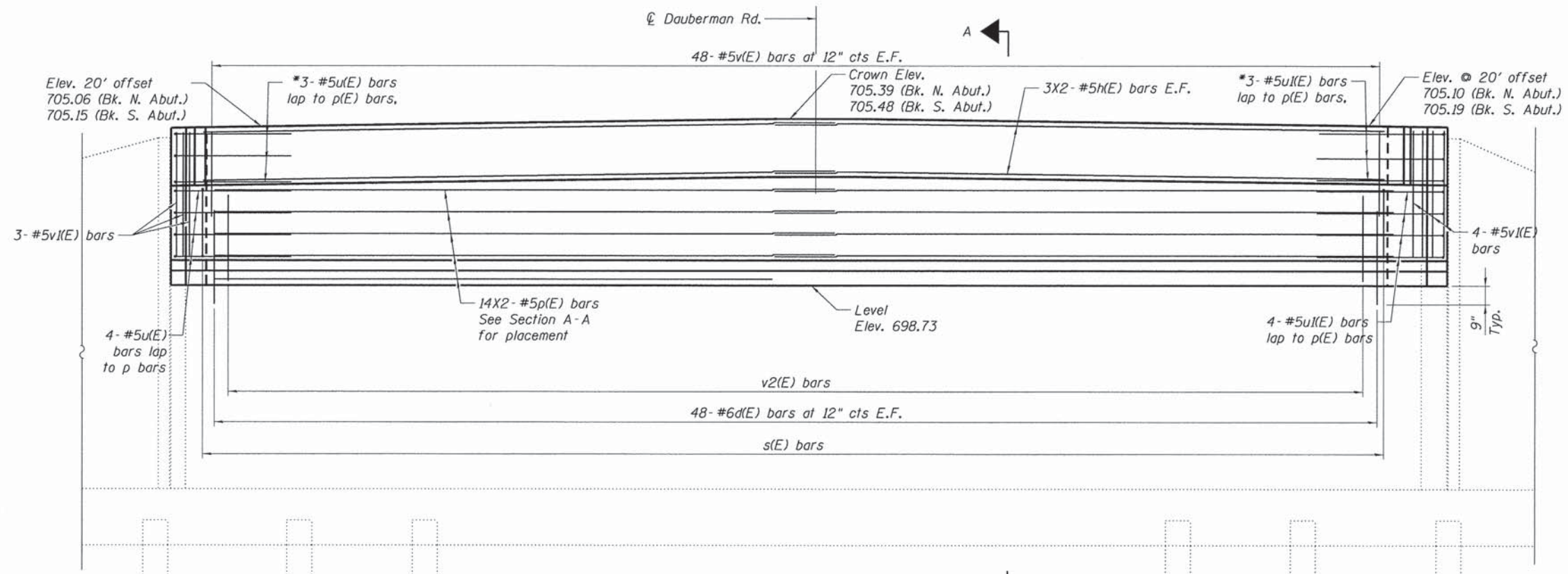
FILE NAME :	USER NAME :	DESIGNED -	REVISIONS -
	DATE - 03/13/15	CHECKED - JLR	REVISIONS -
	PLOT SCALE :	DRAWN - SNB	REVISIONS -
	PLOT DATE :	CHECKED - JLR	REVISIONS -

**KANE COUNTY**  
**DEPARTMENT OF TRANSPORTATION**

**21" x 48" PPC DECK BEAM DETAILS**

SHEET NO. S-7 OF S-9 SHEETS

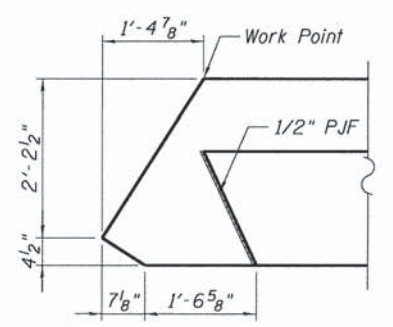
F.A.S. RTE. 1107	SECTION 08-0066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 27
CONTRACT NO. 61A07				
ILLINOIS FED. AID PROJECT				



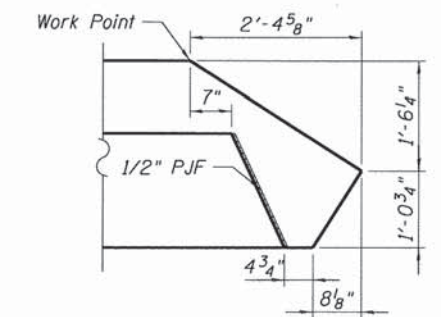
**ELEVATION**

(North Abutment shown, South Abutment opposite hand)

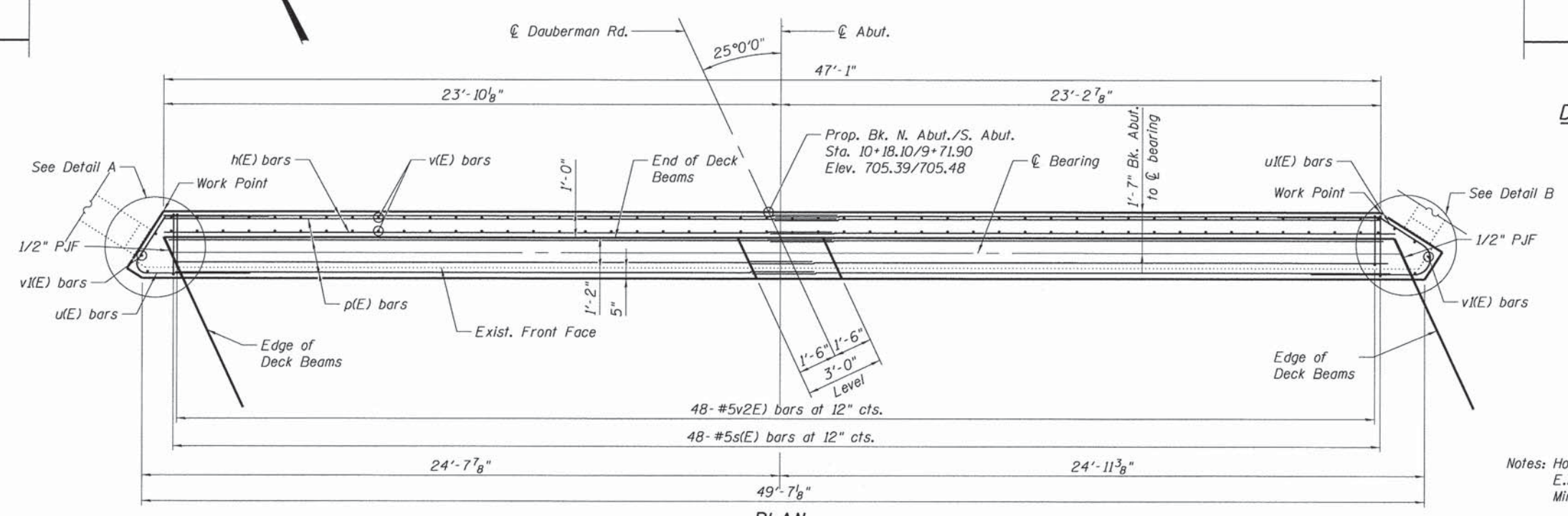
\* Cut bars interfering with deck beams in field.



**DETAIL A**



**DETAIL B**



**PLAN**

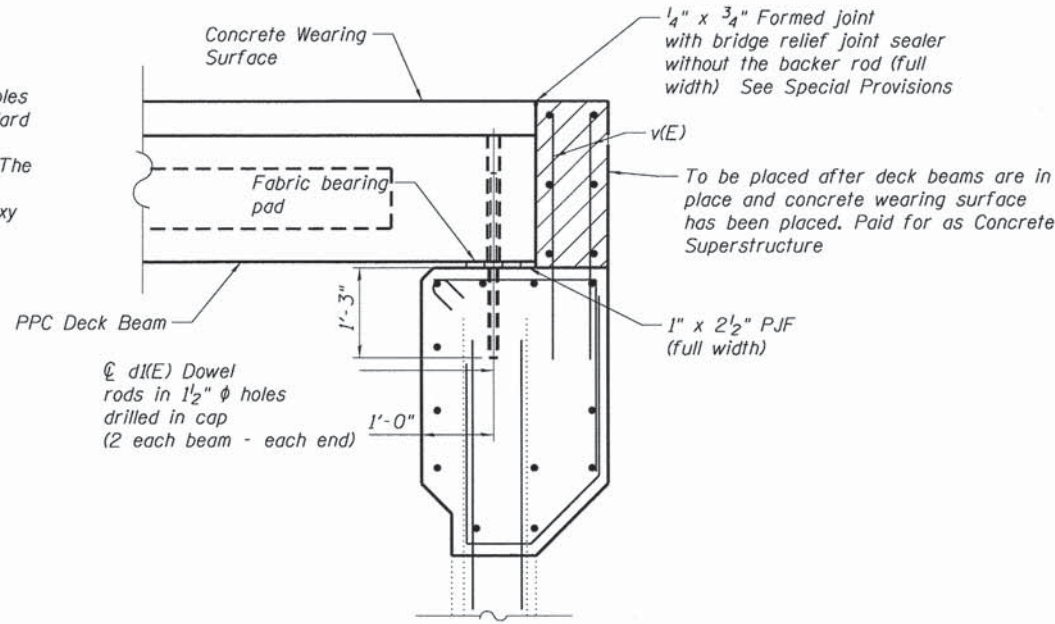
(North Abutment shown, South Abutment opposite hand)

Notes: Horizontal dimensions are at right angles  
E.F. indicates each face  
Minimum Bar Lap for #5 bar = 2'-6"

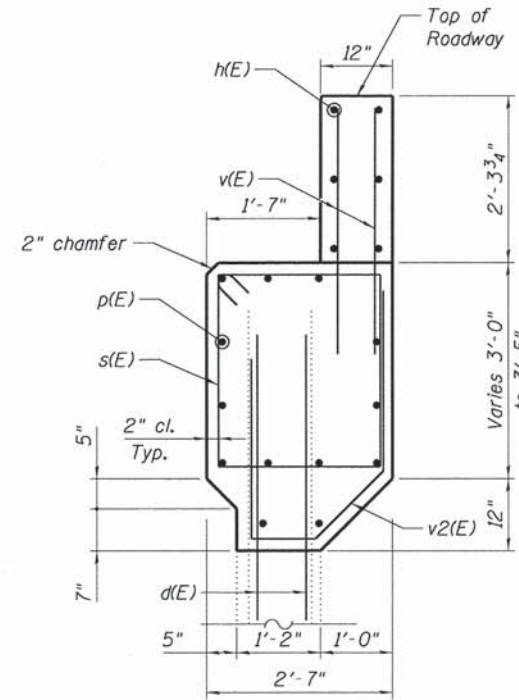
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FILE NAME =	USER NAME =	DESIGNED - SNB	REVISED -	<b>KANE COUNTY DEPARTMENT OF TRANSPORTATION</b>	<b>ABUTMENT REPAIR AND MODIFICATION</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DATE = 03/13/15	CHECKED - JLR	REVISED -	1107			08-00066-02-BR	KANE	40	28	
PLOT SCALE =	DRAWN - SNB	REVISED -	CONTRACT NO. 61A07							
PLOT DATE =	CHECKED - JLR	REVISED -	ILLINOIS FED. AID PROJECT							
exp U.S. Services Inc. Chicago, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY				SHEET NO. S-8 OF S-9 SHEETS						

Note:  
Drill and epoxy grout bars in drilled holes according to Section 584 of the Standard Specifications. Method and grout are subject to approval of the Engineer. The cost of drilling and grouting shall be included with Reinforcement Bars, Epoxy Coated.



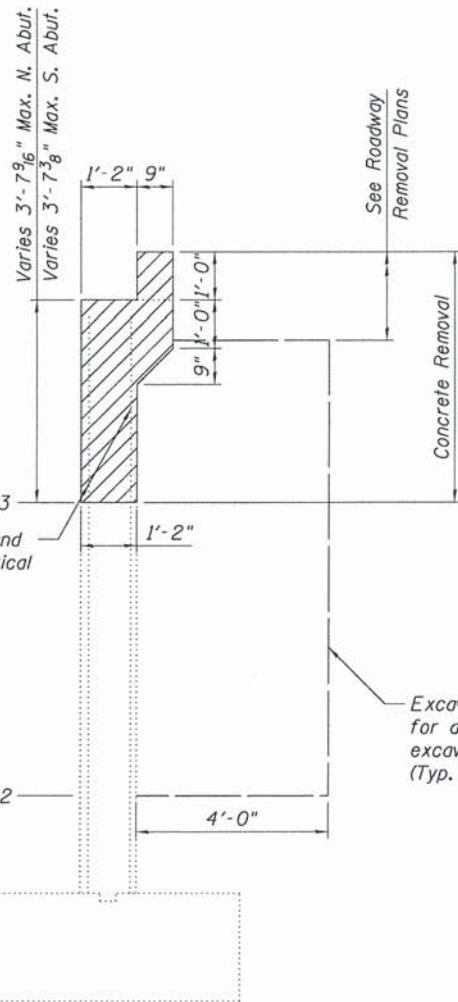
SECTION A-A



SECTION A-A

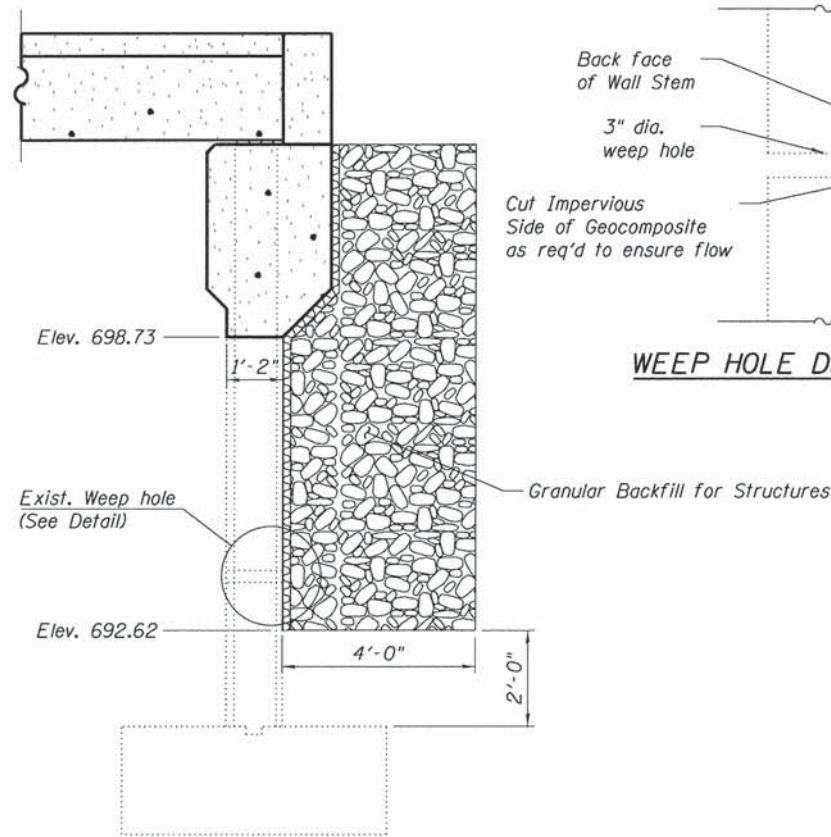
**BILL OF MATERIAL  
TWO ABUTMENTS**

Bar	No.	Size	Length	Shape
d(E)	192	#6	3'-9"	—
d1(E)	44	#8	2'-6"	—
h(E)	24	#5	25'-0"	—
p(E)	52	#5	25'-0"	—
s(E)	96	#5	10'-6"	□
u(E)	8	#5	10'-9"	U
u1(E)	8	#5	11'-7"	U
v(E)	192	#5	3'-5"	—
v1(E)	14	#5	2'-8"	—
v2(E)	96	#5	7'-9"	U
Reinforcement Bars			6270	Pound
Granular Backfill for Structures			133.0	Cu. Yd.
Concrete Removal			22.0	Cu. Yd.
Structure Excavation			135.0	Cu. Yd.
Concrete Structures			38.0	Cu. Yd.
Concrete Superstructures			8.3	Cu. Yd.
Geocomposite Wall Drain			114.0	Sq. Yd.

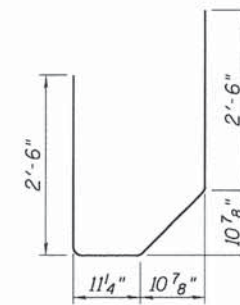


Clean, straighten and reuse existing vertical bars

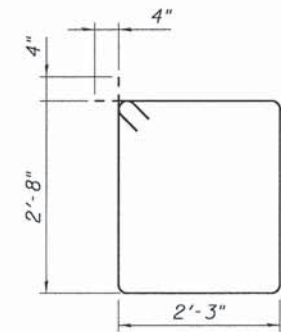
Excavation is paid for as structure excavation (Typ. both abutments)



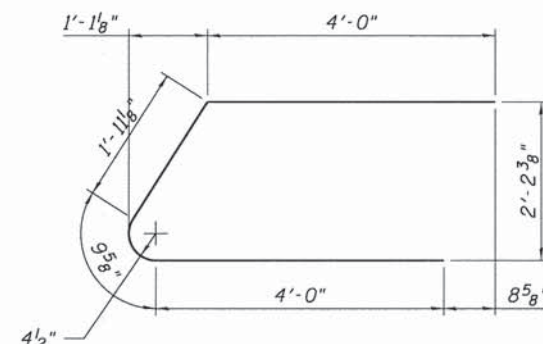
WEEP HOLE DRAIN DETAIL



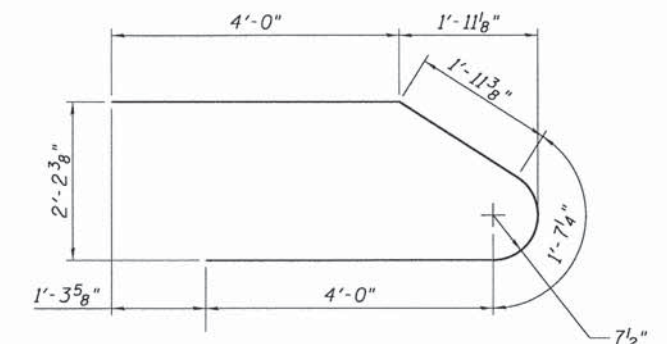
BAR v2(E)



BAR s(E)



BAR u(E)



BAR u1(E)

- Notes:
1. Excavate behind abutments to the limits shown before removing existing deck beams. Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.
  2. Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

FILE NAME =	USER NAME =	DESIGNED - SNB	REVISED -
	DATE - 03/13/15	CHECKED - JLR	REVISED -
	PLOT SCALE =	DRAWN - SNB	REVISED -
	PLOT DATE =	CHECKED - JLR	REVISED -

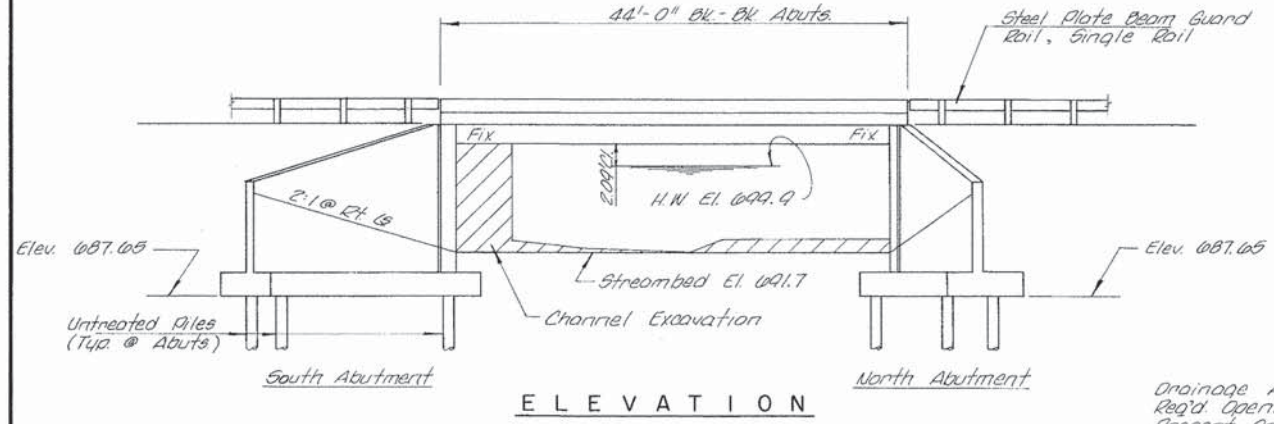
**KANE COUNTY  
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DETAILS**

SHEET NO. S-9 OF S-9 SHEETS

F.A.S. RTE. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 29
CONTRACT NO. 61A07				
ILLINOIS FED. AID PROJECT				

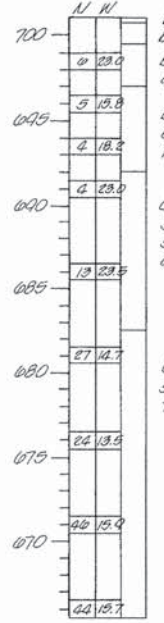
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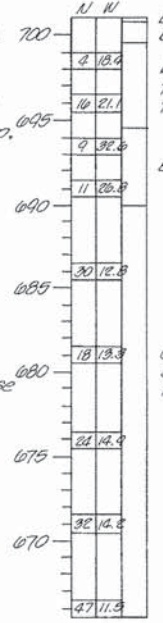
ELEVATION

**WATERWAY DATA**

Drainage Area	12,350 Acres
Req'd Opening (30 Yrs.)	320 Sq. Ft.
Present Opening	220 Sq. Ft.
Proposed Opening	310 Sq. Ft.
Computed Discharge	1,600 C.F.S.



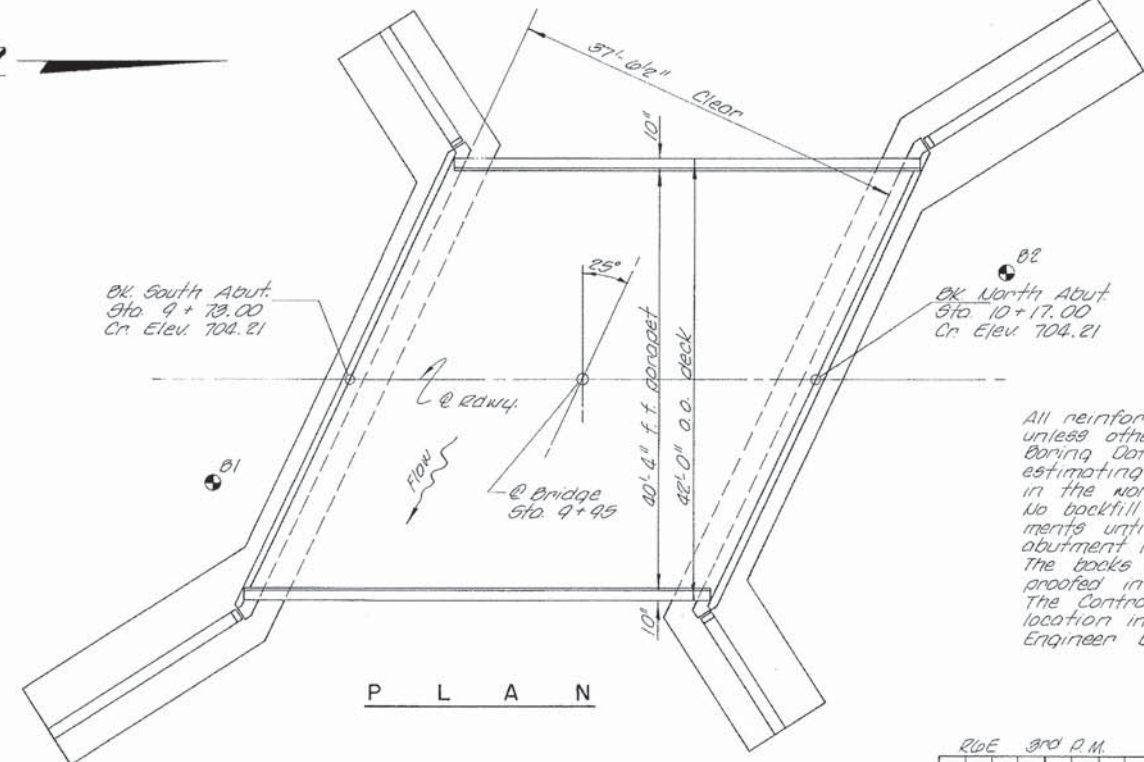
BORING NO. 1  
10' Lt. Sta. 9+60



BORING NO. 2  
10' Lt. Sta. 10+35

**BORING DATA**

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split  
Spoon Sampler 12" with 140# hammer falling 30".  
W - Water Content - Percentage of oven dry weight.



PLAN

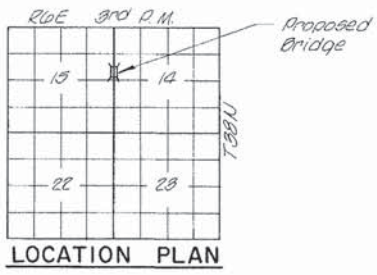
**GENERAL NOTES**

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.  
Boring Data is shown only as a guide to bidders in estimating soil conditions which may be encountered in the work.  
No backfill or embankment shall be placed behind the abutments until the beams are in place, dowels grouted and abutment notch poured. See Art. 502.11 of the Std. Specs. The backs of the abutments and wingwalls shall be water-proofed in accordance with Art. 503.11 of the Std. Specs. The Contractor shall drive one test pile in a permanent location in the South Abutment as directed by the Engineer before ordering the remainder of the piles.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1,848		1,848
Class X Concrete	Cu. Yd.	69	185.7	192.6
Reinforcement Bars	Pound	770	11,780	12,500
Name Plates	Each	1		1
Test Piles Timber	Each	1		1
Untreated Piles Up to 30 Feet	Lin. Ft.		1,340	1,340
Metal Shoes	Each		67	67
Structure Excavation	Cu. Yd.		635	635
Bituminous Mixture Complete	Ton	39		39
Bituminous Materials (Prime Coat)	Gallon	20		20

STRUCTURE NO. 3107  
WELCH CREEK  
BUILT 197- BY  
KANE COUNTY  
SECTION 66B-CBF  
LOADING 43 20  
**LETTERING FOR NAME PLATE**  
See Std. 2113-1



**DESIGN STRESSES**

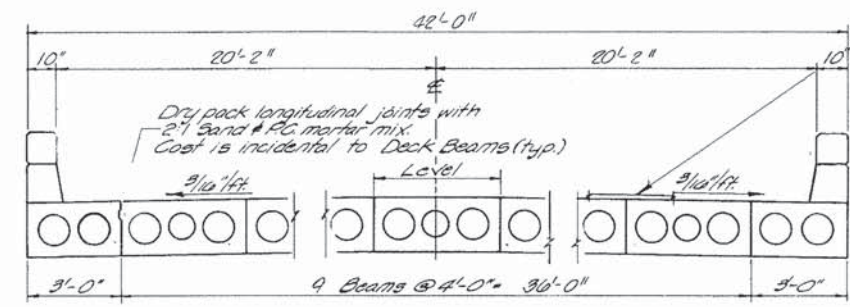
$f_c = 1,400$  p.s.i. (Class X Concrete) 1,000 p.s.i. (Abutts.)  
 $f_t = 5,000$  p.s.i. (Prestressed Beams)  
 $f_a = 4,000$  p.s.i. (Prestressed Beams)  
 $f_s = 20,000$  p.s.i. (Reinforcement Bars)  
 $f_p = 188,700$  p.s.i. (Prestressed Cable)  
 $f_y = 270,000$  p.s.i. (1/8" Prestressed Strands)  
 $n = 10$  (Class X Concrete)  
LOADING 43 20-44  
Robert E. Sells  
Illinois Structural No. 2675



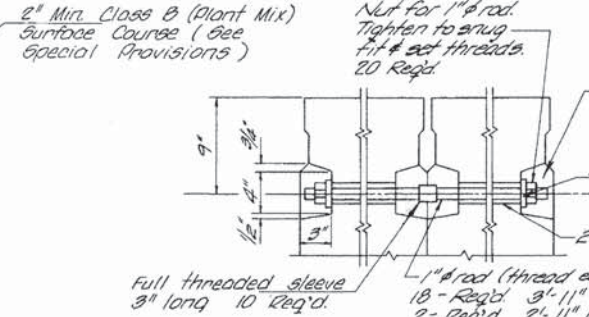
**GENERAL PLAN & ELEVATION**  
SECTION 66B-CBF  
KANE COUNTY  
STATION 9+95  
REG. A.D. W.N.S. 4-11-75 1000

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ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
045-3107	CBF	KANE	10	9



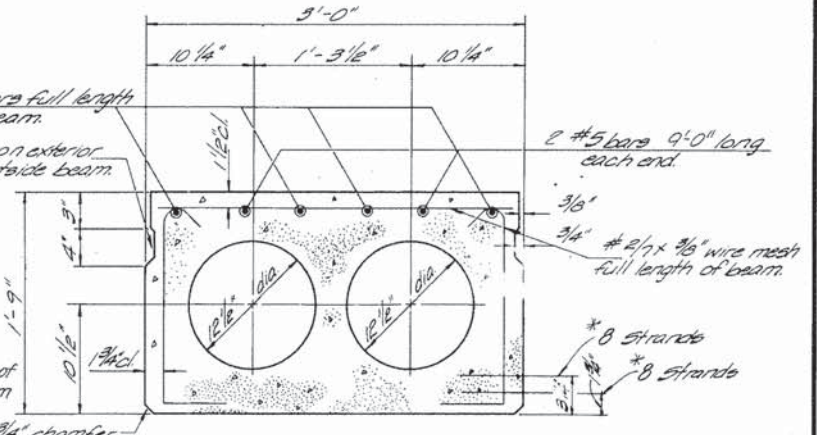
CROSS SECTION



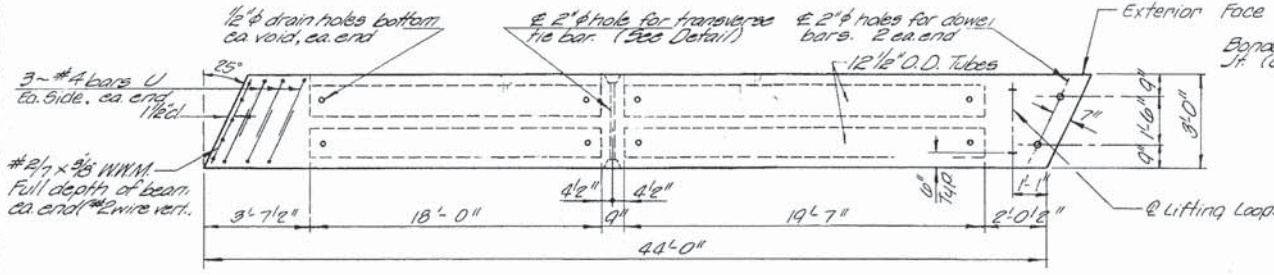
TRANSVERSE TIE BAR DETAIL

\* Strands shall be non-galvanized extra high strength stress relieved. Place strands symmetrically about  $\bar{x}$  beam.

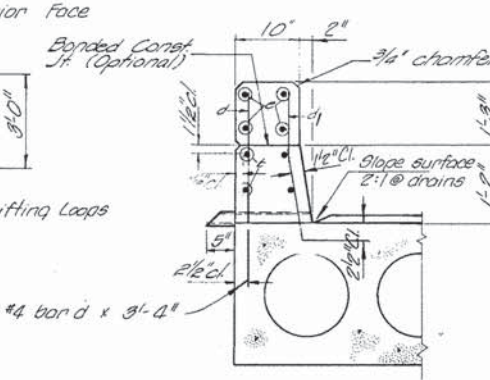
Note: After ties are in place, grout all recesses for nuts in exterior beams



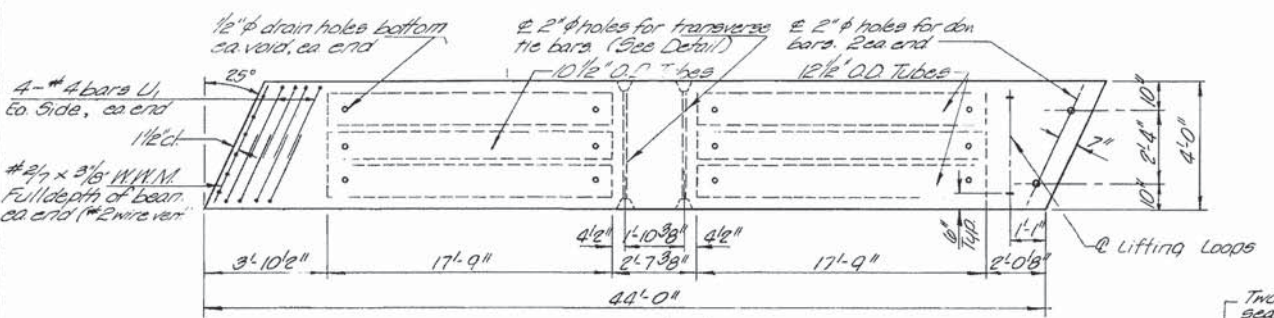
TYPICAL SECTION THRU 3'-0" BEAMS



TYPICAL PLAN OF 3'-0" BEAMS

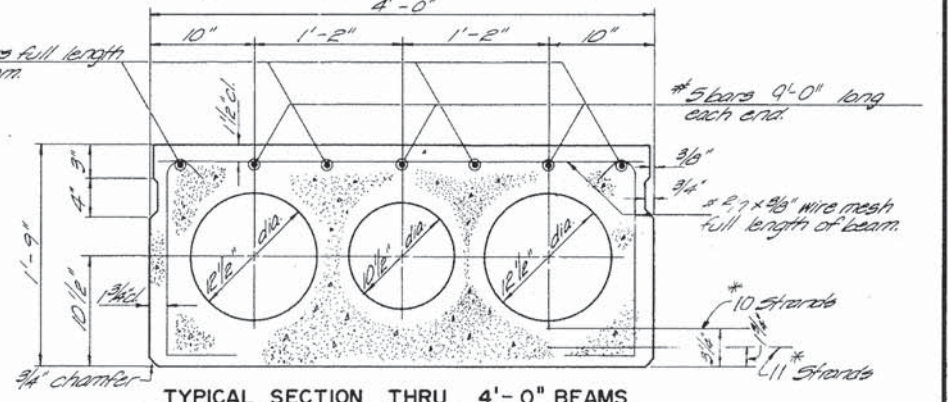


DRAIN DETAIL

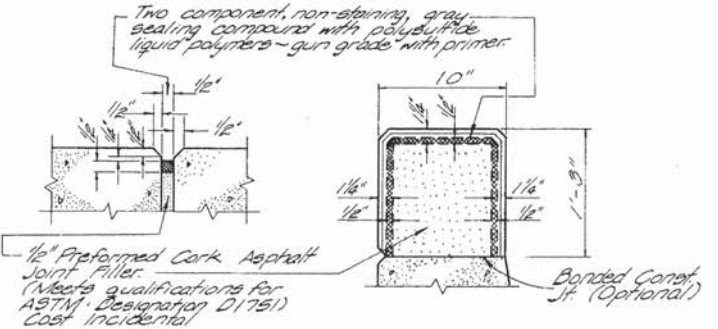


TYPICAL PLAN OF 4'-0" BEAMS

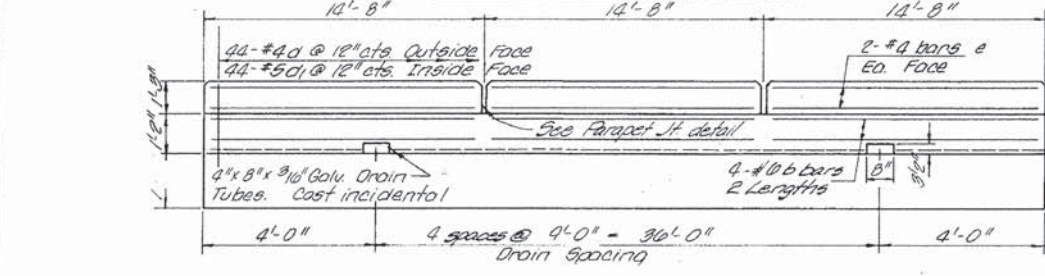
**CURB & PARAPET DETAIL**  
 Curbs are not to be cast with beams. Curbs and Parapets to be poured after beams are set in final position and will be paid for as Class X Concrete. Top of Curb to be constructed parallel to  $\bar{x}$  grade for full length of bridge. Bars d & d1 to be cast with beams and are incidental to cost of beams.



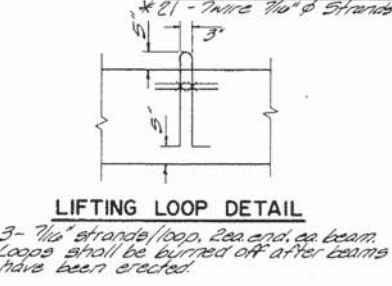
TYPICAL SECTION THRU 4'-0" BEAMS



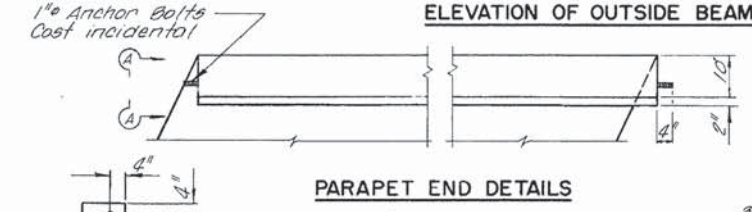
PARAPET JOINT DETAILS



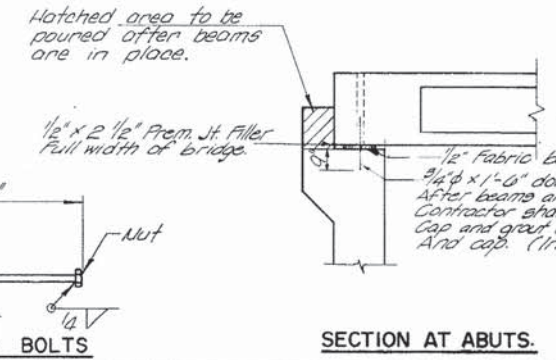
ELEVATION OF OUTSIDE BEAMS



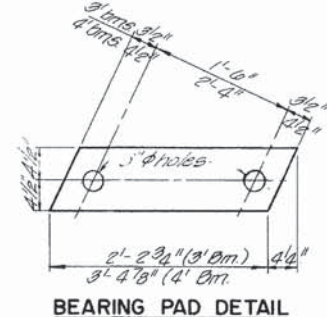
LIFTING LOOP DETAIL



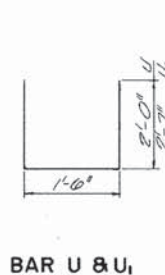
PARAPET END DETAILS



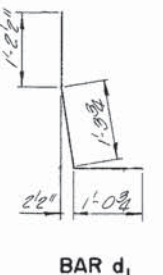
SECTION AT ABUTS.



BEARING PAD DETAIL



BAR U & U1

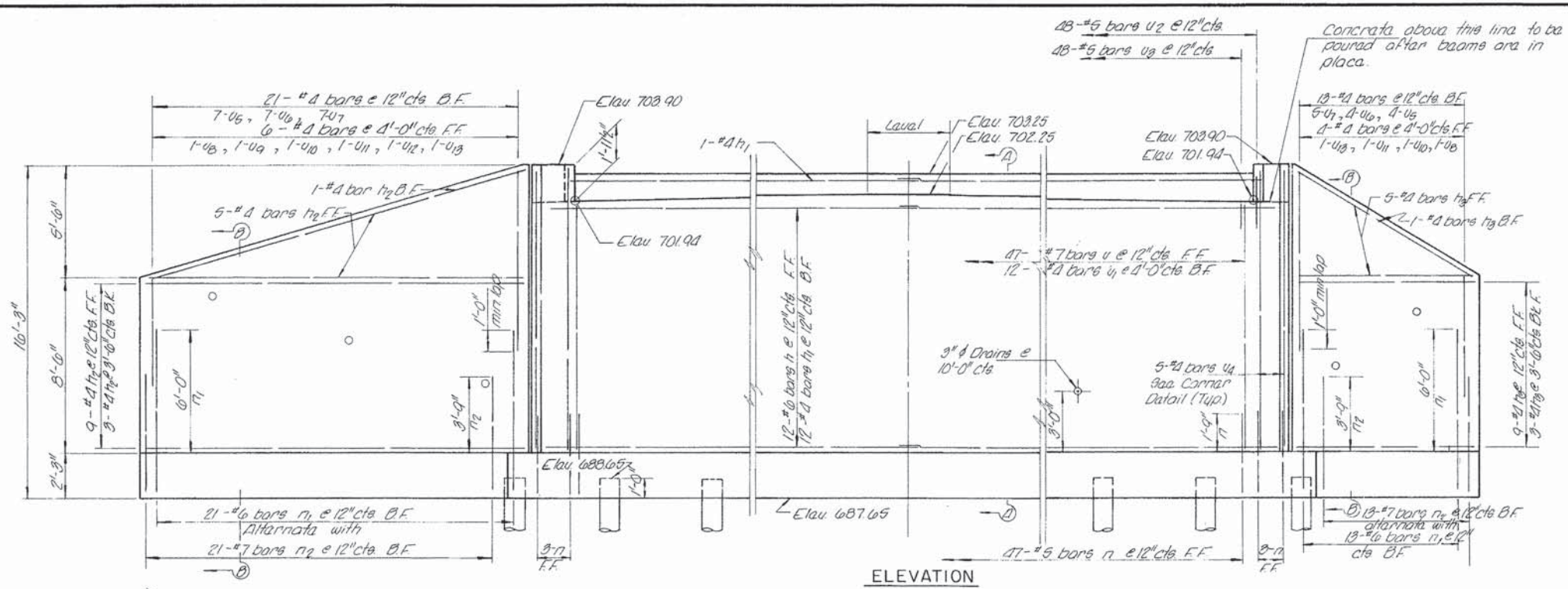


BAR d1

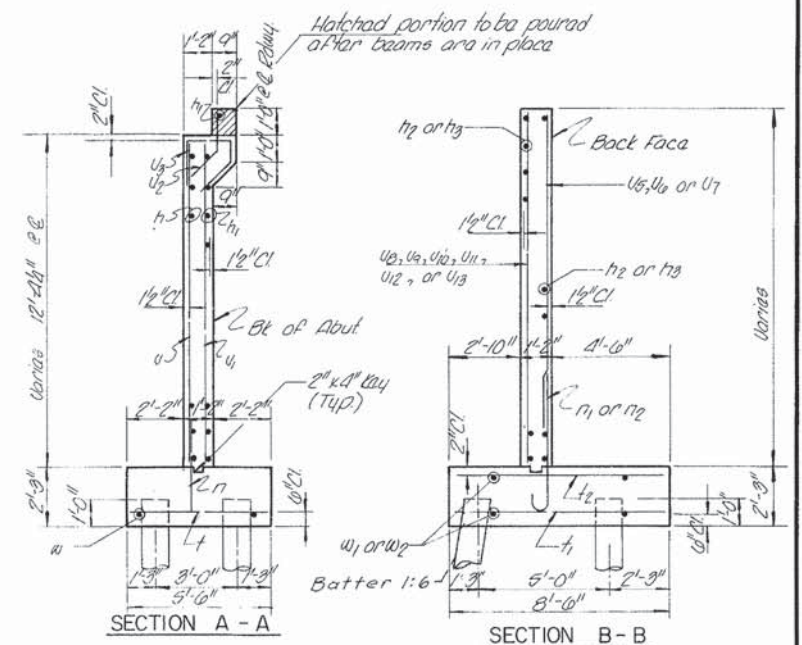
BILL OF MATERIAL				
BAR	NO	SIZE	LENGTH	SHADE
b	10	#10	22'-8"	
e	24	#4	14'-4"	
Precast Prestressed Concrete Deck Beams (21" Depth) Sq. Ft. 1,848				
Class X Concrete Cu.Yd. 6.9				
Reinforcement Bars Bound 770				
Bituminous Mixture Complete Ton 33				
Bituminous Materials (Prime Coat) Gallon 20				

SUPERSTRUCTURE				
SECTION 66B-CBF				
KANE COUNTY				
STATION 9+95				
COLLINS AND RICE CONSULTING ENGINEERS				
DESIGNED REG.	CHECKED W.N.S.			
DRAWN L.J.E.	DATE 4-11-75	NO. 1000		

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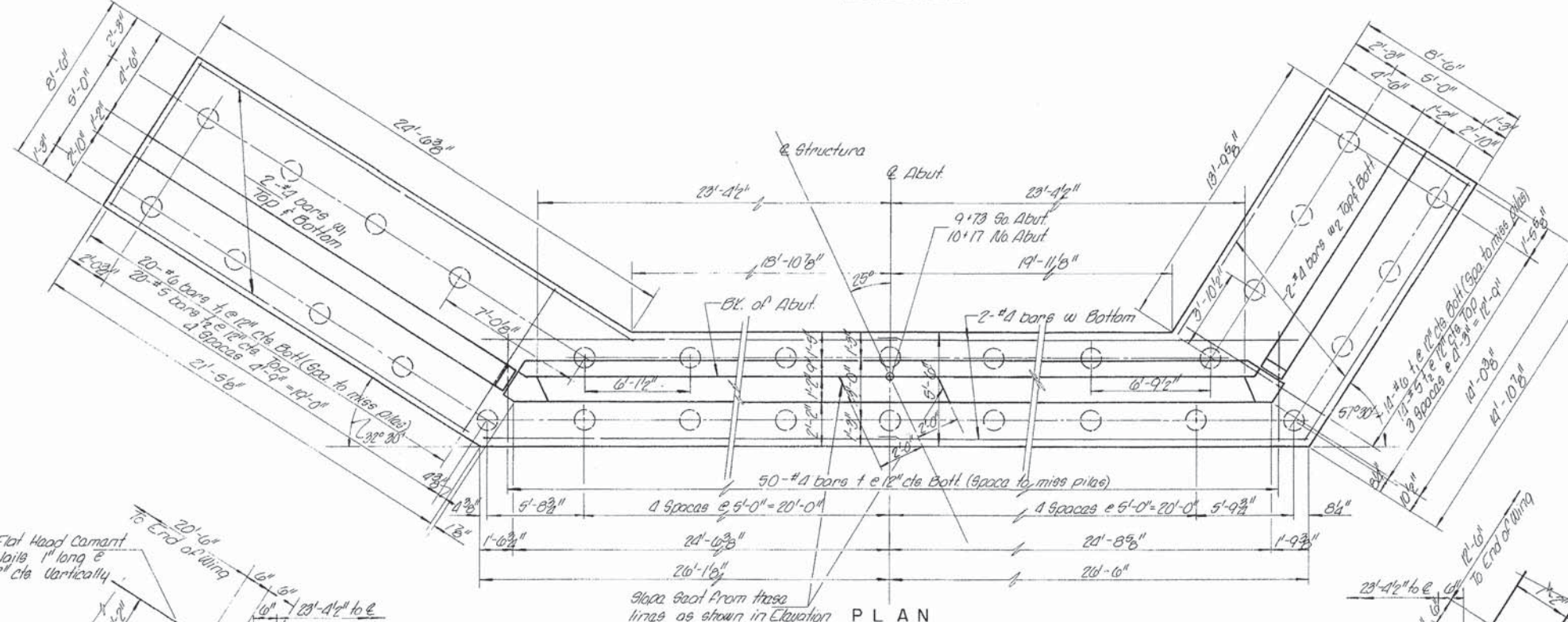


ELEVATION

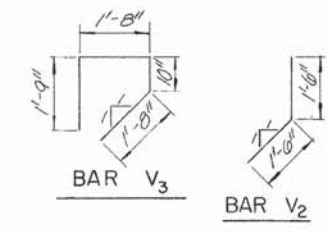


SECTION A - A

SECTION B - B

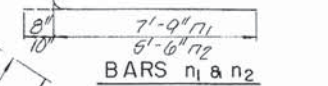


PLAN

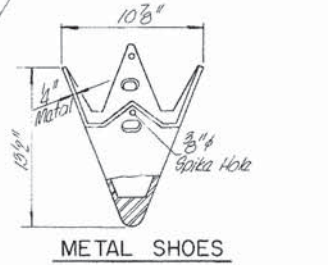


BAR V3

BAR V2

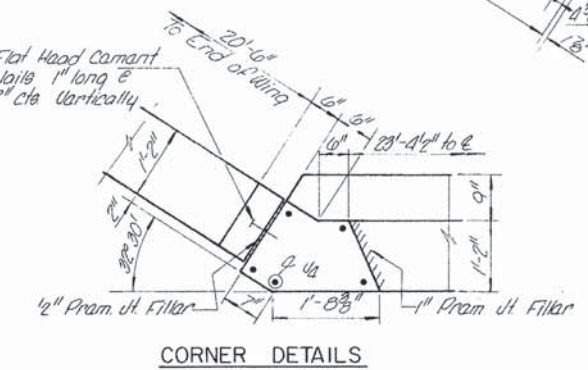


BARS n1 & n2

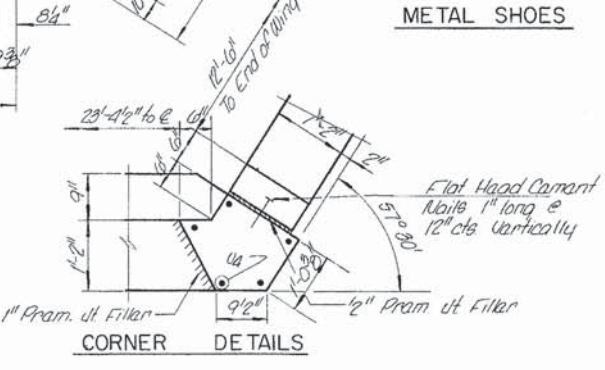


METAL SHOES

BAR	NO	SIZE	LENGTH	SHAPE
n	100	#4	3'-0"	—
n1	68	#4	8'-2"	—
n2	68	#4	8'-2"	—
u	100	#4	5'-2"	—
u1	68	#4	8'-2"	—
u2	68	#4	8'-2"	—
v	94	#7	11'-11"	—
v1	27	#4	11'-11"	—
v2	96	#5	3'-0"	—
v3	96	#5	5'-11"	—
v4	20	#4	18'-0"	—
v5	22	#4	5'-2"	—
v6	22	#4	7'-0"	—
v7	21	#4	8'-10"	—
v8	4	#4	8'-6"	—
v9	2	#4	9'-6"	—
v10	2	#4	10'-4"	—
v11	4	#4	11'-10"	—
v12	2	#4	12'-0"	—
v13	4	#4	18'-10"	—
w	8	#4	26'-6"	—
w1	8	#4	21'-0"	—
w2	8	#4	14'-0"	—



CORNER DETAILS



CORNER DETAILS

PILE DATA

Type	Untreated Timber
No. Piles	68 #
Est. Length	20 Foot/Pile
Min Capacity	22 Tons/Pile

\* Includes one test pile to be driven in a permanent location at the South Abutment.

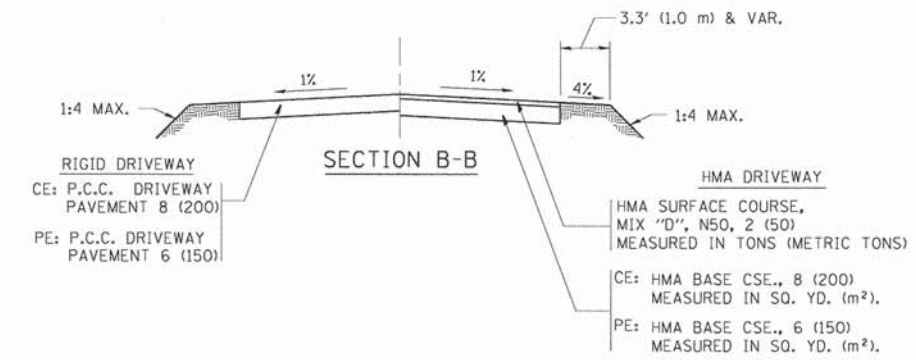
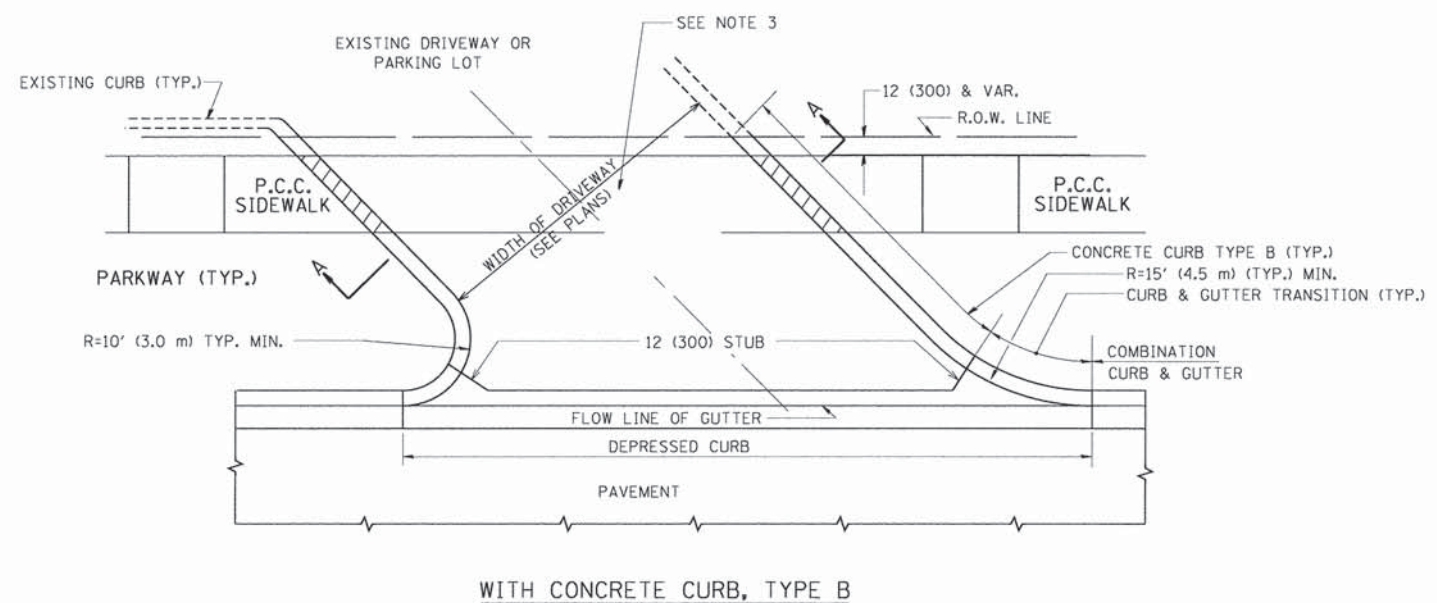
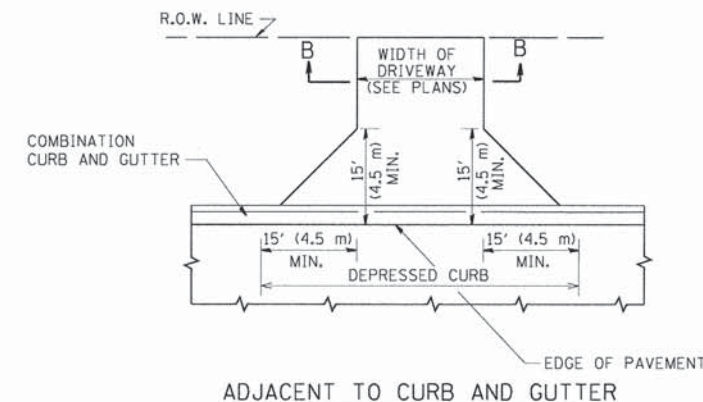
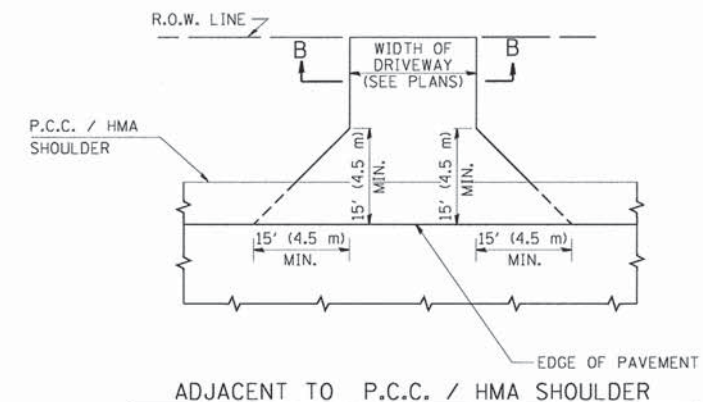
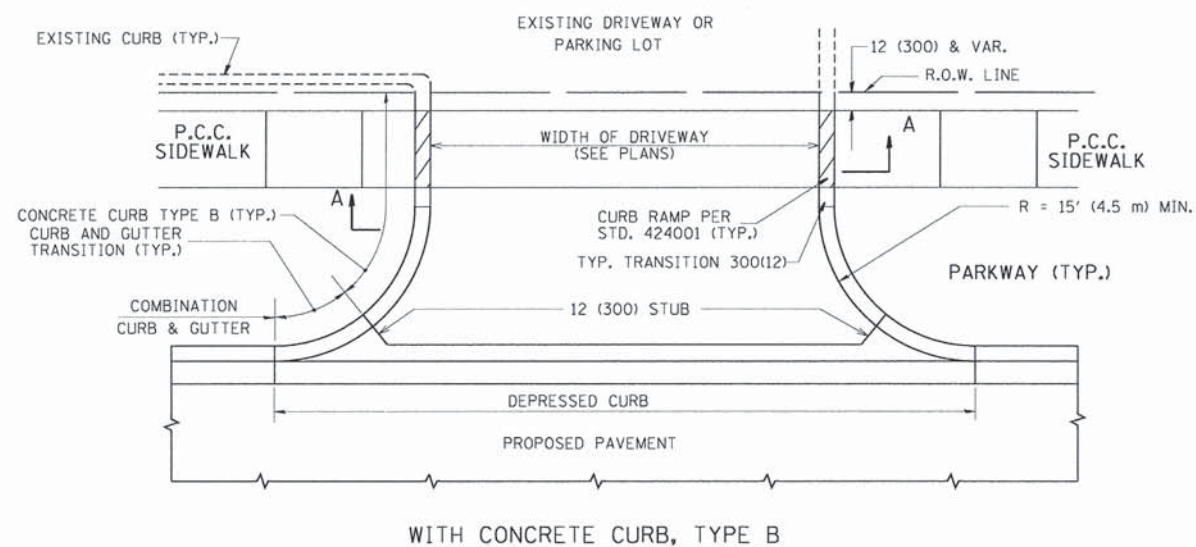
ABUTMENTS  
SECTION 668-CBF  
KANE COUNTY  
STATION 9+95

REC  
PNO  
W.N.S.  
4-11-75  
1000

\FS-8044\kane\veit\td-1\ems-871\TRDCH\0821324-ABC\CIVIL\CAD\_08891\Shue\DI08891-Sht-gmmnet62.dgn  
 4/2/2015

exp U.S. Services Inc. CHICAGO, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = hechtbr PLOT SCALE = 1:8000 / 1" = 80' PLOT DATE = 4/2/2015	DESIGNED - BRH DRAWN - BRH CHECKED - KK DATE - 03/13/15	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DAUBERMAN ROAD / CH 62	EXISTING STRUCTURAL PLANS - FOR REFERENCE ONLY STRUCTURE NO. 045-3107	SCALE: N.T.S SHEET OF SHEETS STA. TO STA.	F.A.S. RTE. 1107 SECTION 08-0066-02-BR COUNTY KANE TOTAL SHEETS 40 SHEET NO. 29C CONTRACT NO. 61A07	ILLINOIS FED. AID PROJECT
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**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

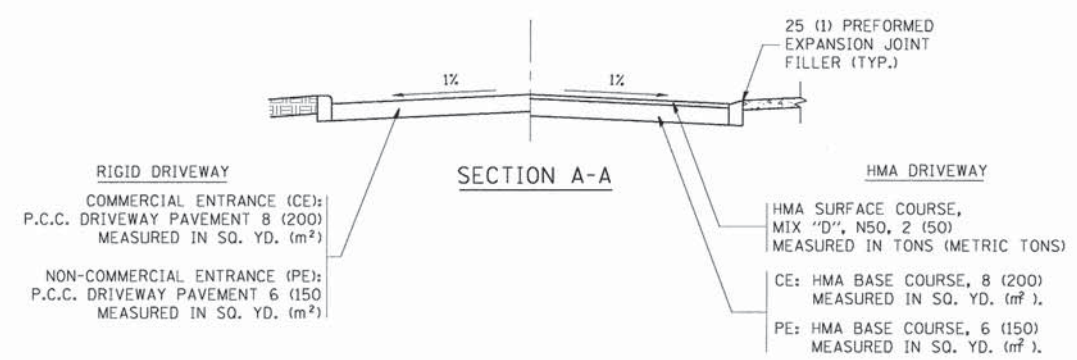
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

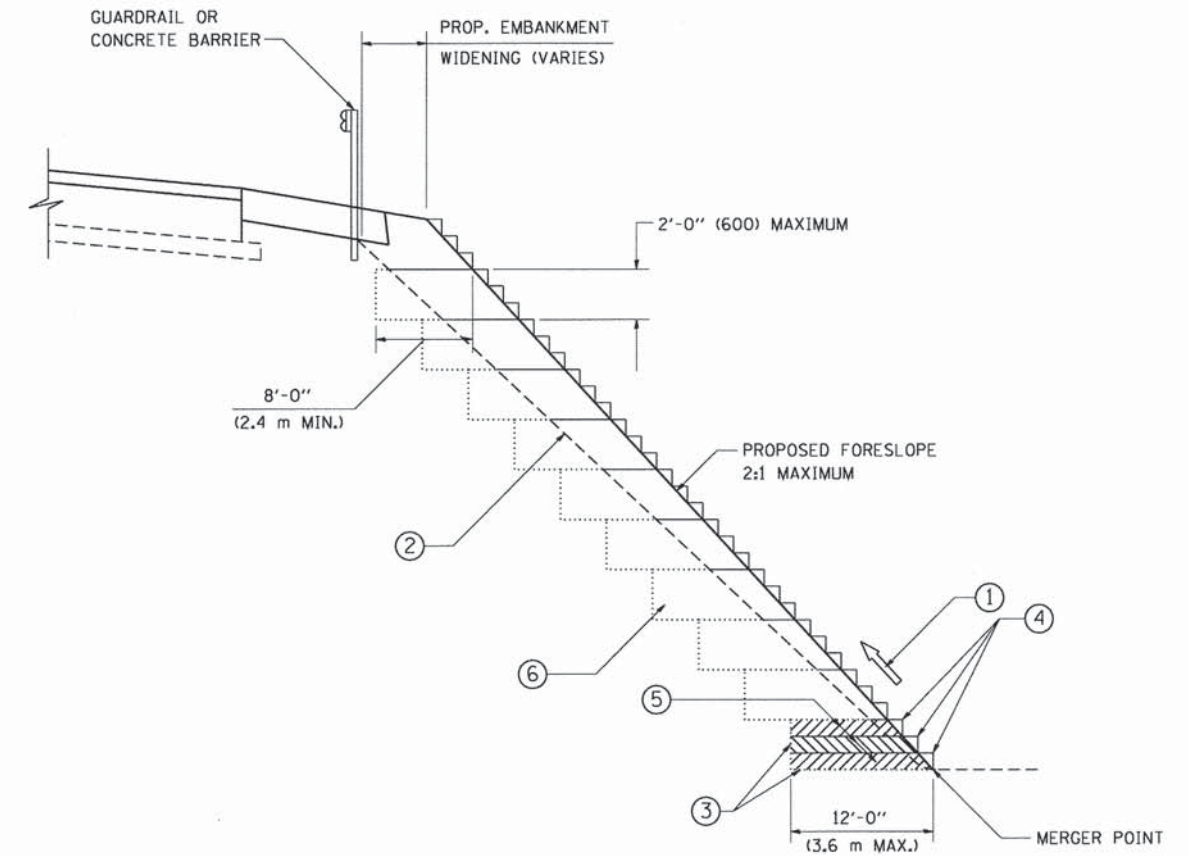
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.





TYPICAL BENCHING DETAIL  
FOR EMBANKMENT

**NOTES:**

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

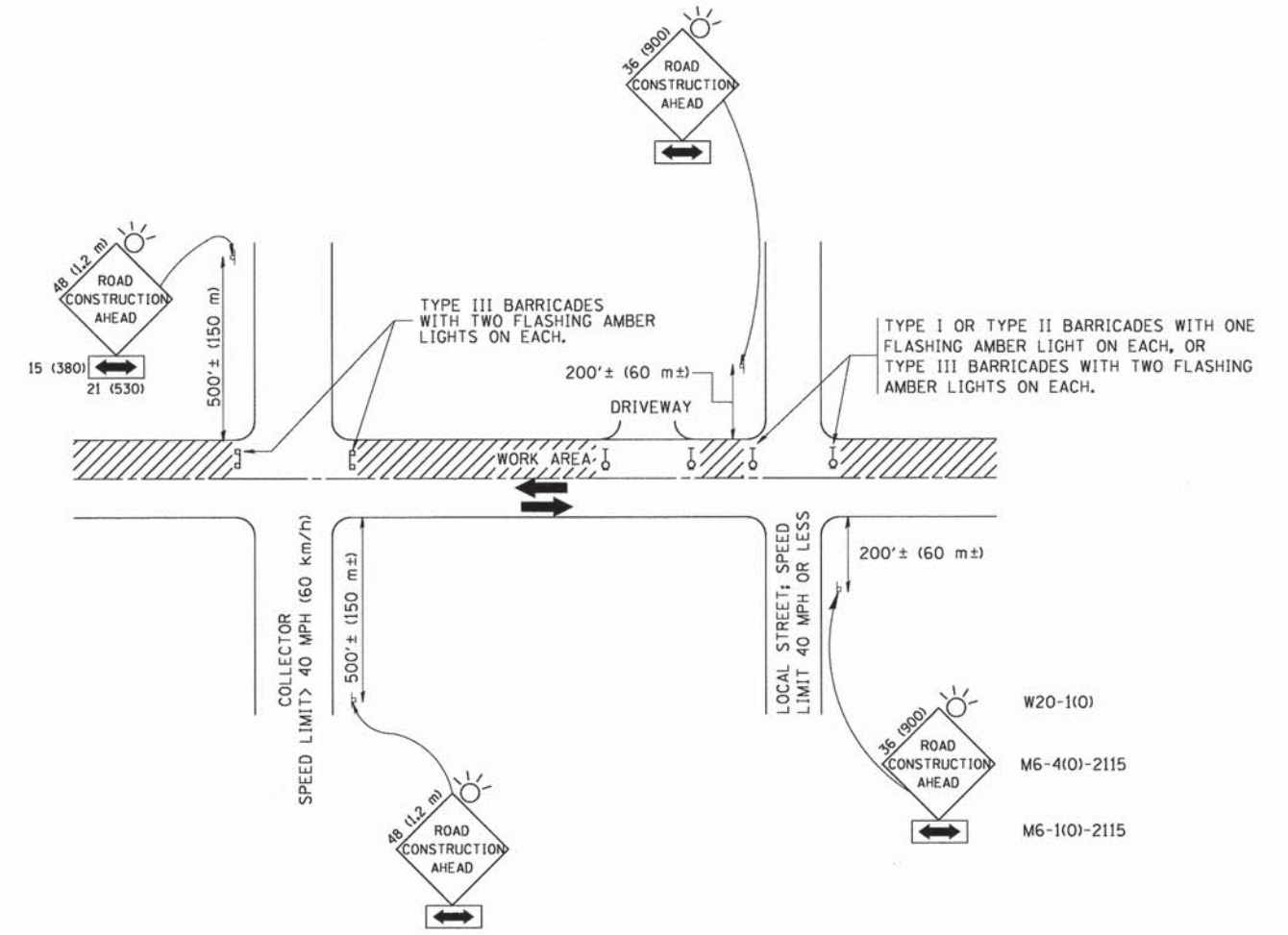
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd51.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -
		DRAWN - CADD	REVISED -
		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

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

<b>BENCHING DETAIL</b>			
<b>FOR EMBANKMENT WIDENING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1107	08-00066-02-BR	KANE	40	31
BD-51			CONTRACT NO. 61A07	
FED. ROAD DIST. NO. 1 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. 701501, 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.

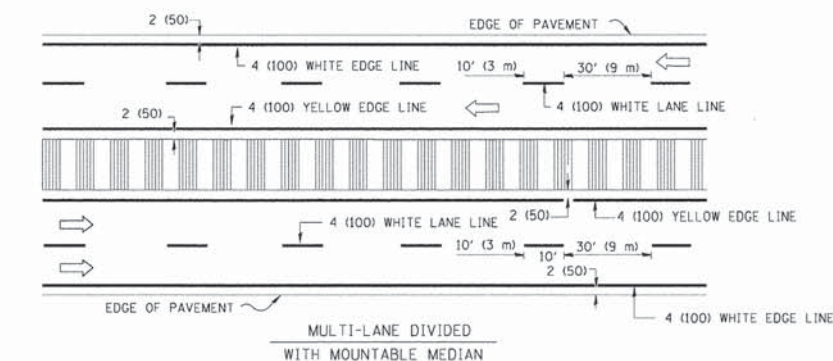
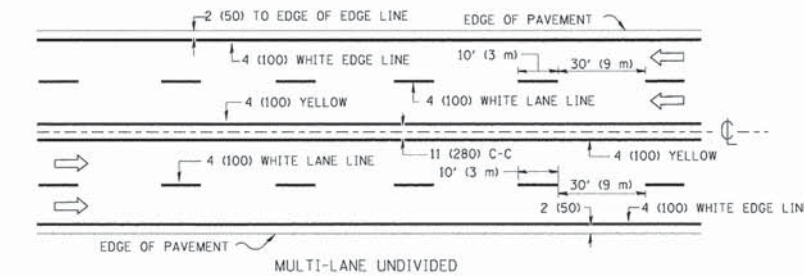
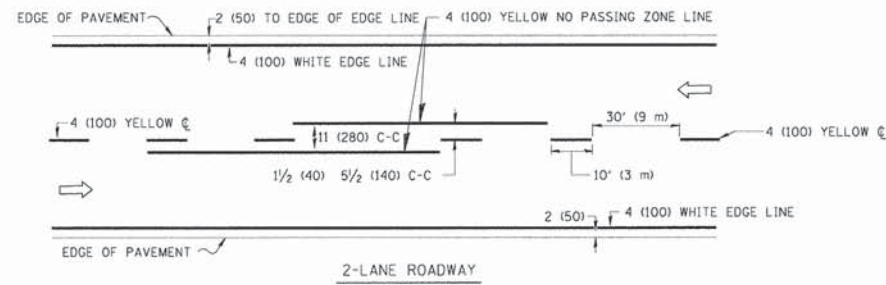
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = gaglionobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\distatd\22x34\td18.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

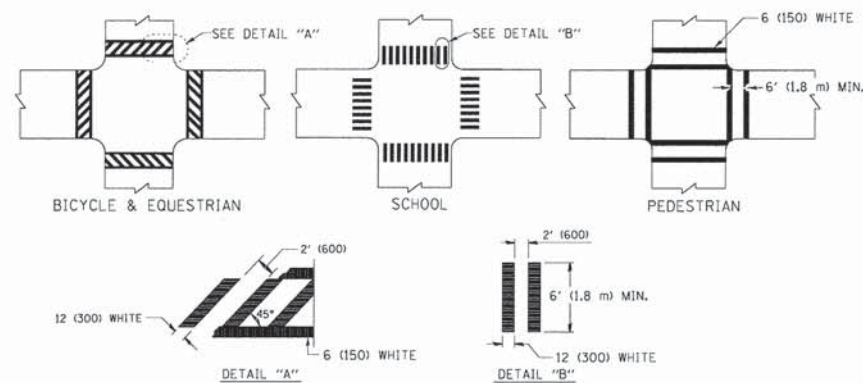
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1107	08-00066-02-BR	KANE	40	32
TC-10			CONTRACT NO. 61A07	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

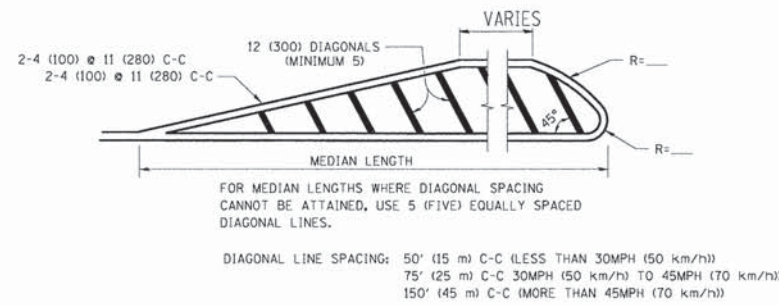
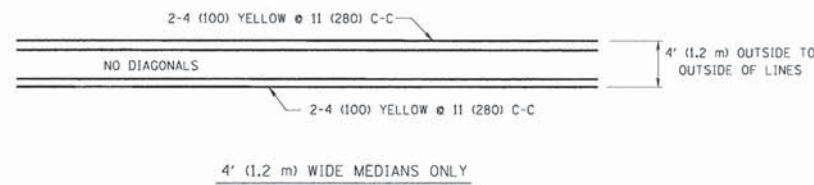


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

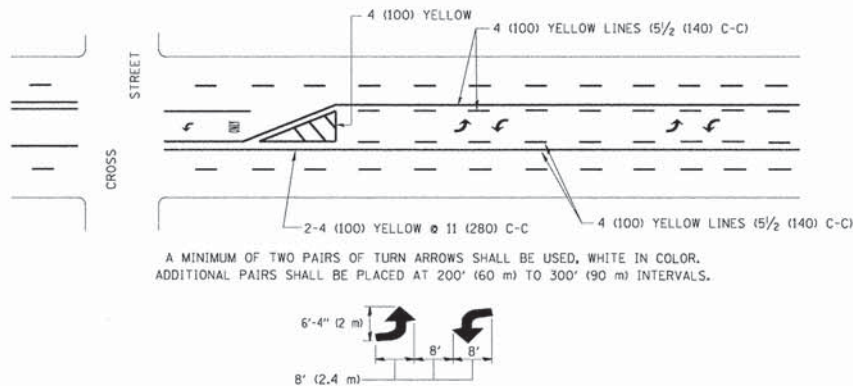
TYPICAL LANE AND EDGE LINE MARKING



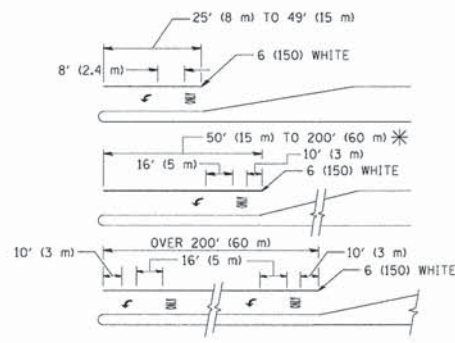
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE



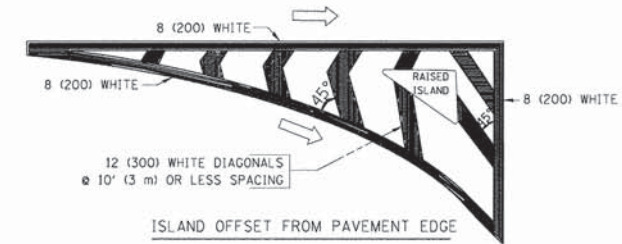
TYPICAL PAINTED MEDIAN MARKING



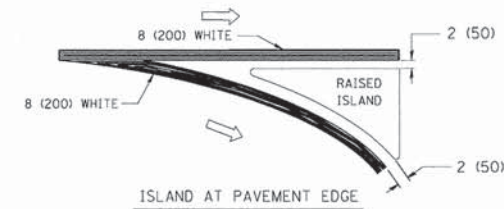
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2' (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2' (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (4.5 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "RR"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
ca:\pw\work\pwwork\drivakosgn\0108315\103.dgn		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED -
	PLOT DATE 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.S. RTE. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 33
TYPICAL PAVEMENT MARKINGS		TC-13		CONTRACT NO. 61A07		
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

**ROUTE MARKERS**

FOR U.S. ROUTES MI-40-2424

FOR ILLINOIS ROUTES MI-50-2424

R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

**ARROWS SIGNS**

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

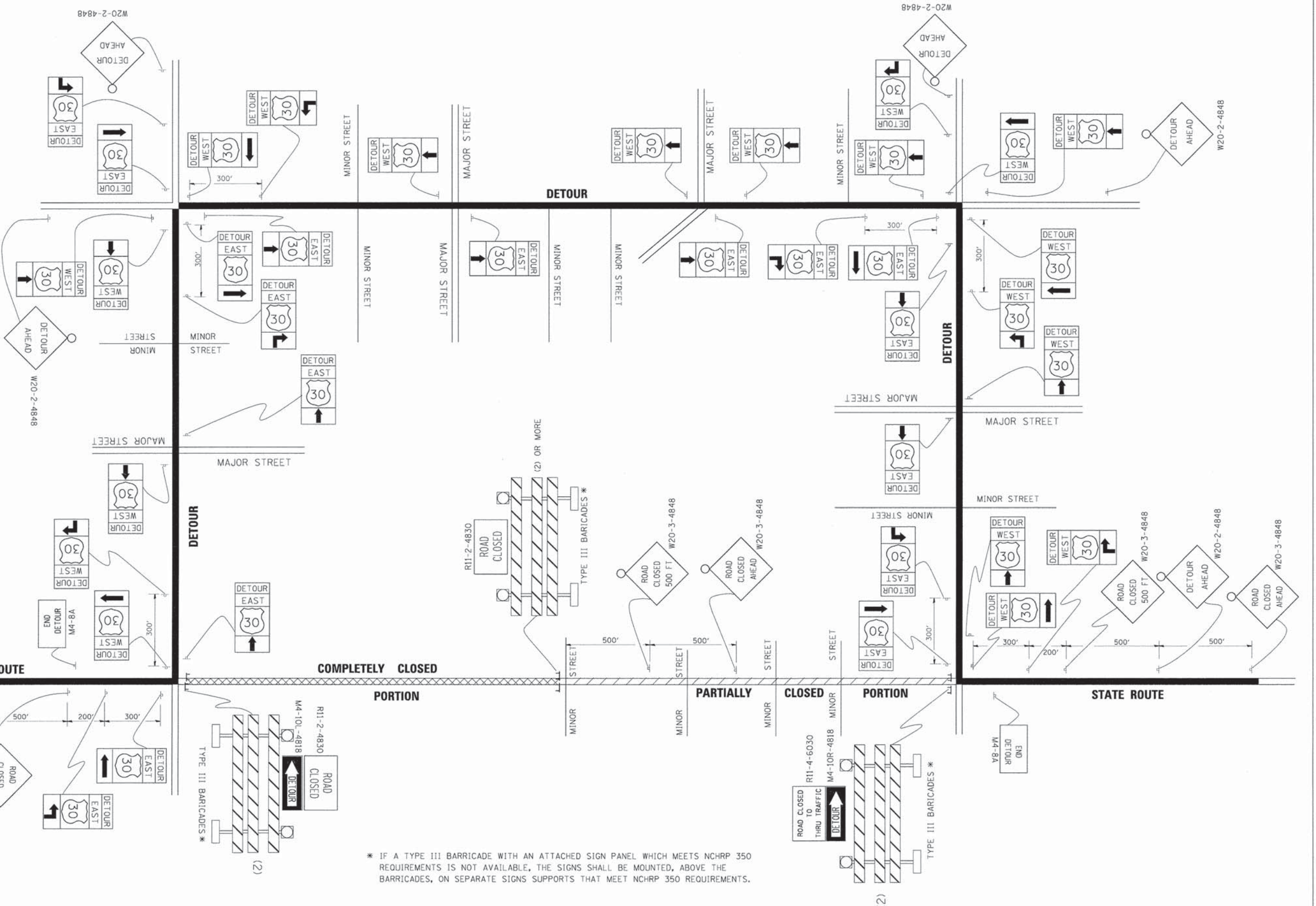
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412

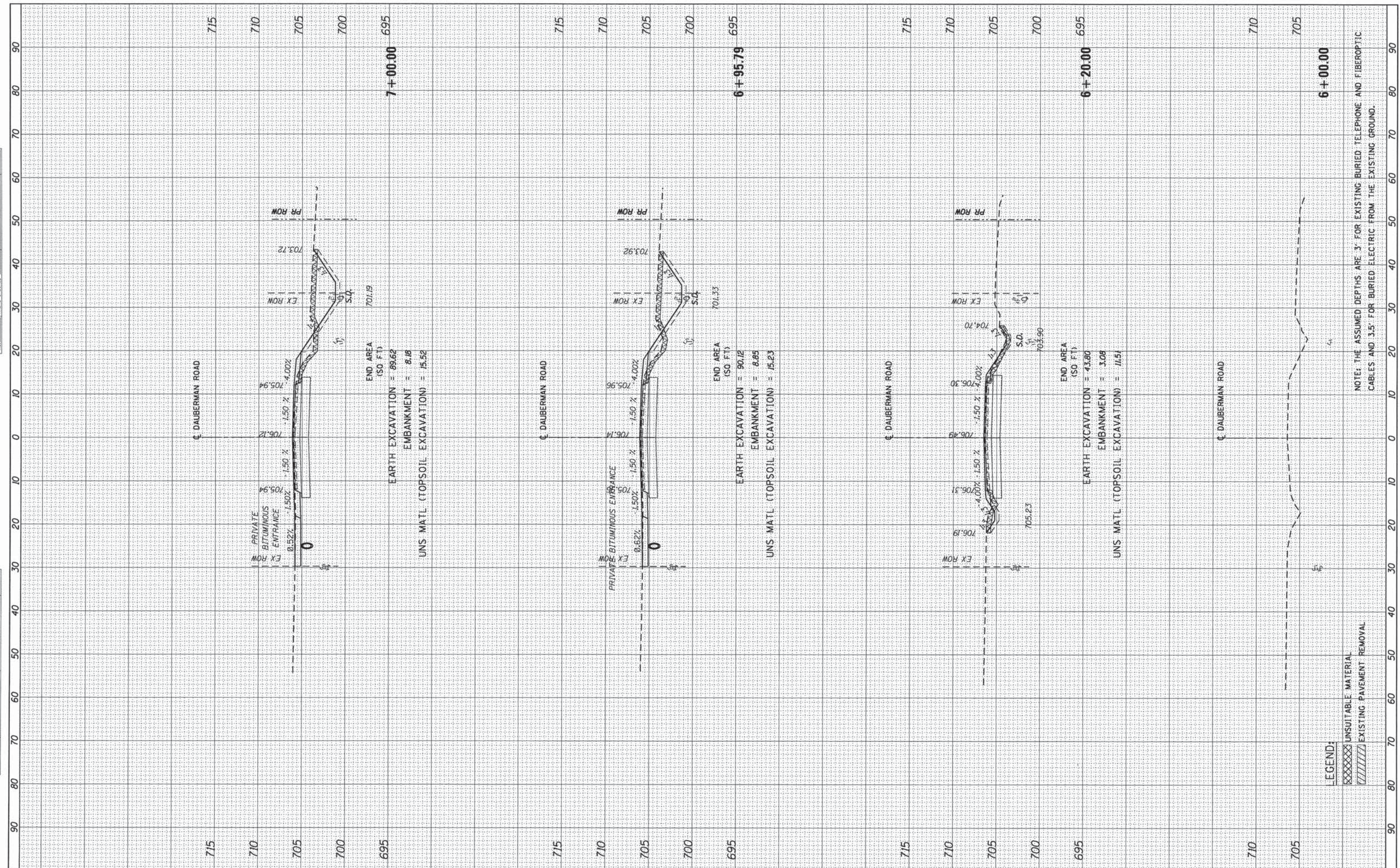


\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = drvakosgn	DESIGNED -	REVISED - 10-18-02	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETOUR SIGNING FOR CLOSING STATE HIGHWAYS</b>			F.A.S. RTE. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 34
	PLOT SCALE = 49.9999" / IN.	DRAWN -	REVISED - R, BORO 09-14-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>TC-21</b>		CONTRACT NO. 61A07		
	PLOT DATE 9/14/2009	CHECKED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

FINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		



NOTE: THE ASSUMED DEPTHS ARE 3' FOR EXISTING BURIED TELEPHONE AND FIBEROPTIC CABLES AND 3.5' FOR BURIED ELECTRIC FROM THE EXISTING GROUND.

LEGEND:

[Hatched Pattern]	UNSUITABLE MATERIAL
[Hatched Pattern]	EXISTING PAVEMENT REMOVAL

exp U.S. Services Inc.  
Chicago, IL  
BUILDINGS-EARTH & ENVIRONMENT-ENERGY  
INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY

USER NAME =	hechtbr
DESIGNED =	MRK
DRAWN =	MRK
CHECKED =	BRH
DATE =	03/13/15
PLLOT SCALE =	10.0000' / in.
PLLOT DATE =	3/13/2015

REVISIED =	-
REVISIED =	-
REVISIED =	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

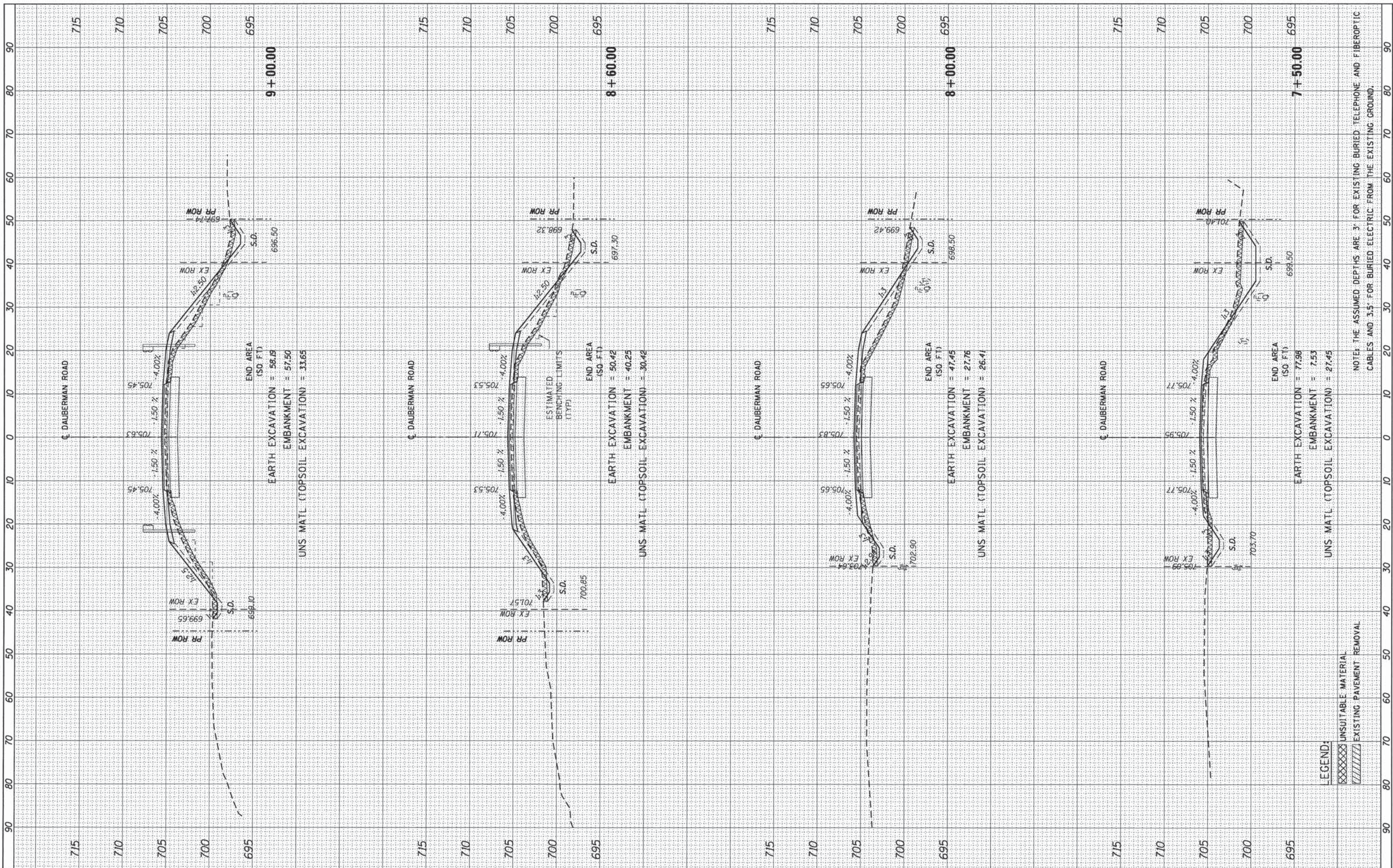
DAUBERMAN ROAD CROSS SECTIONS

SCALE: 1"=10'H 1"=5'V SHEET OF SHEETS STA. 6+00.00 TO STA. 7+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1107	08-00066-02-BR	KANE	40	35
CONTRACT NO. 61A07			ILLINOIS FED. AID PROJECT	

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

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



**exp** U.S. Services Inc.  
Chicago, IL  
BUILDINGS-EARTH & ENVIRONMENT-ENERGY  
INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY

USER NAME = hechtbr  
PLOT SCALE = 10,000' / 1" = 1" = 1000'  
PLOT DATE = 3/16/2015

DESIGNED - MRK  
DRAWN - MRK  
CHECKED - BRH  
DATE - 03/13/15

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DAUBERMAN ROAD CROSS SECTIONS**  
SCALE: 1"=10'H 1"=5'V SHEET OF SHEETS STA. 7+50.00 TO STA. 9+00.00

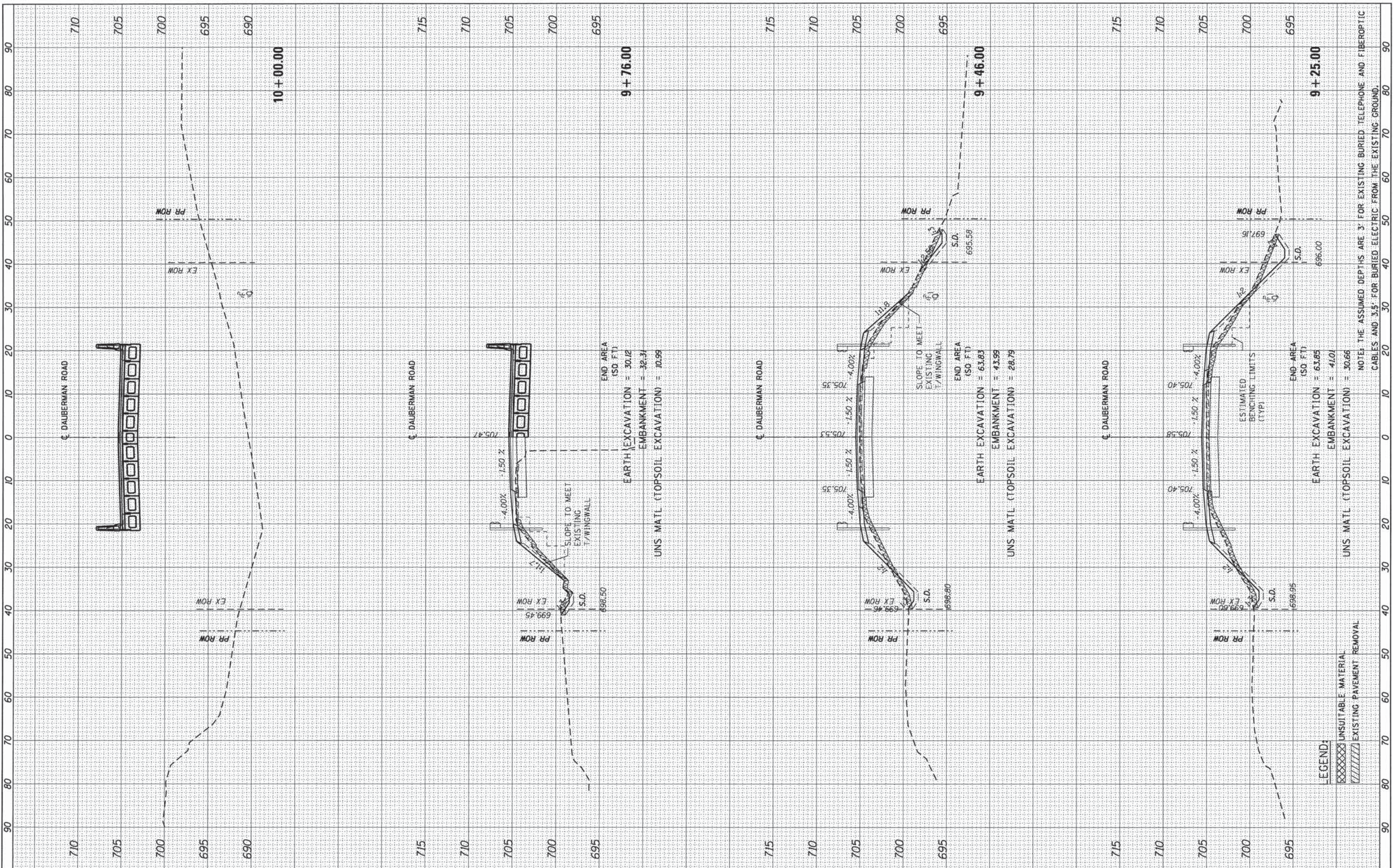
F.A.S. RTE. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 36
CONTRACT NO. 61A07			ILLINOIS FED. AID PROJECT	

**LEGEND:**  
 UNSUITABLE MATERIAL  
 EXISTING PAVEMENT REMOVAL

NOTE: THE ASSUMED DEPTHS ARE 3' FOR EXISTING BURIED TELEPHONE AND FIBEROPTIC CABLES AND 3.5' FOR BURIED ELECTRIC FROM THE EXISTING GROUND.

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPERATURE		
AREAS		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPERATURE		
AREAS		
AREAS CHECKED		
NO.		



NOTE THE ASSUMED DEPTHS ARE 3' FOR EXISTING BURIED TELEPHONE AND FIBEROPTIC CABLES AND 3.5' FOR BURIED ELECTRIC FROM THE EXISTING GROUND.

exp U.S. Services Inc.  
 Buildings-Earth & Environment-Energy  
 Industrial-Infrastructure-Sustainability

USER NAME = hechtbr  
 PLOT SCALE = 10.0000' / in.  
 PLOT DATE 3/16/2015

DESIGNED - MRK  
 DRAWN - MRK  
 CHECKED - BRH  
 DATE - 03/13/15

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

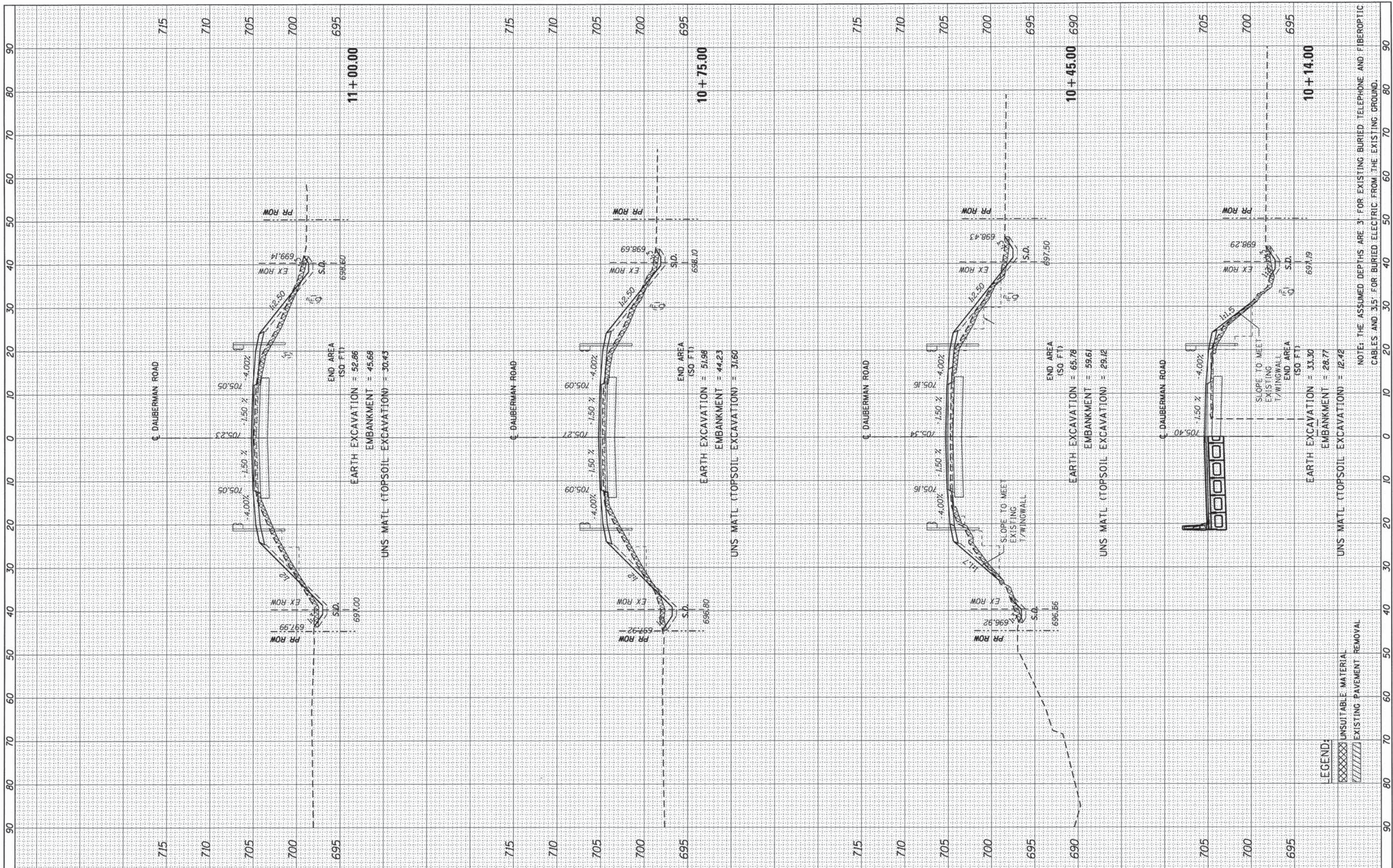
DAUBERMAN ROAD CROSS SECTIONS  
 SCALE: 1"=10'H 1"=5'V SHEET OF SHEETS STA. 9+25.00 TO STA. 10+00.00

F.A.S. RTE. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 37
CONTRACT NO. 61A07			ILLINOIS FED. AID PROJECT	



BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



NOTE: THE ASSUMED DEPTHS ARE 3' FOR EXISTING BURIED TELEPHONE AND FIBEROPTIC CABLES AND 3.5' FOR BURIED ELECTRIC FROM THE EXISTING GROUND.

LEGEND:  
 UNSUITABLE MATERIAL  
 EXISTING PAVEMENT REMOVAL

USER NAME =	hechtbr
DESIGNED -	MRK
DRAWN -	MRK
CHECKED -	BRH
DATE -	03/13/15

REVISED -	
REVISED -	
REVISED -	
REVISED -	

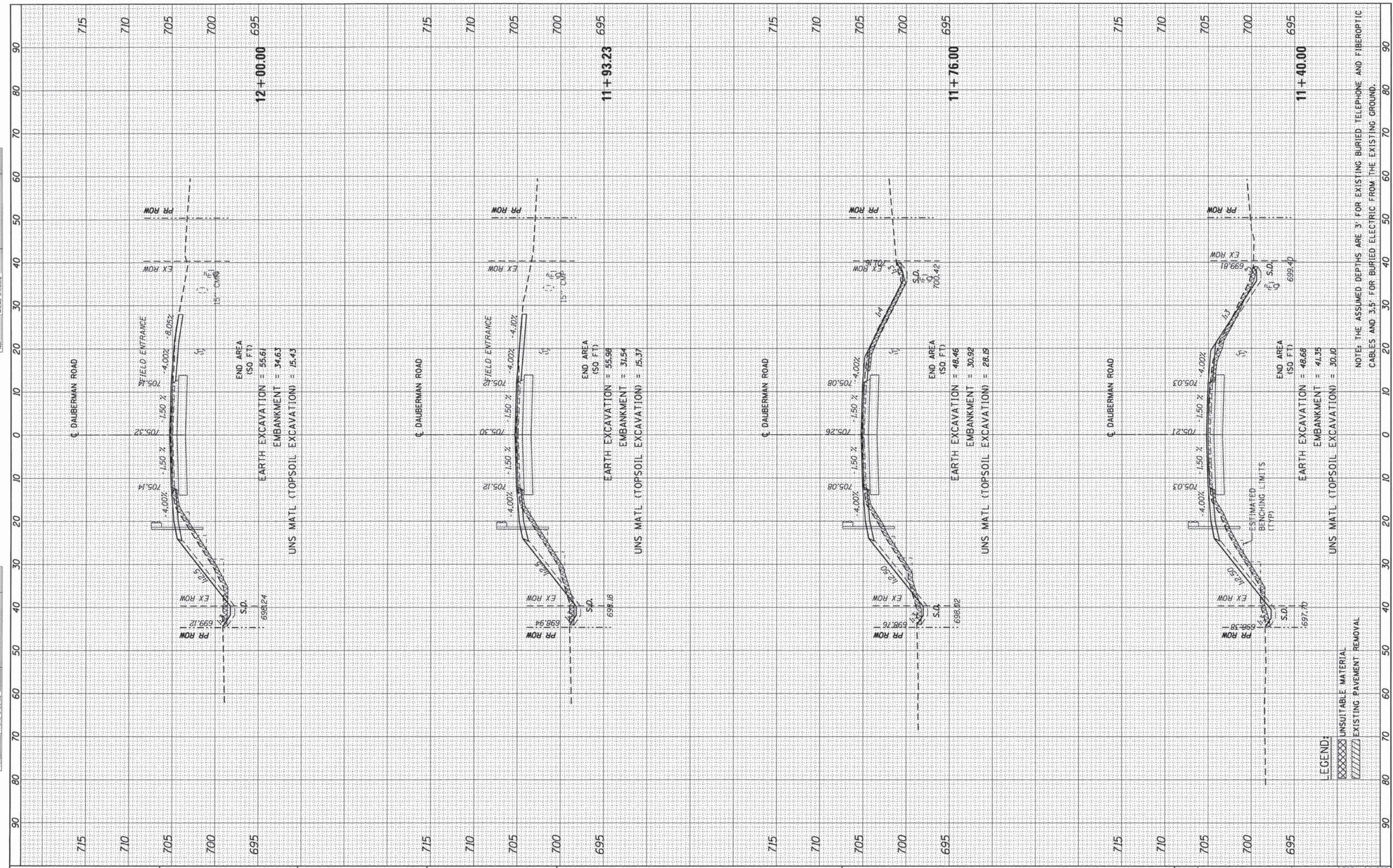
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DAUBERMAN ROAD CROSS SECTIONS	
SCALE: 1"=10'H 1"=5'V	SHEET OF SHEETS STA. 10+14.00 TO STA. 11+00.00

F.A.S. R.T.L. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 38
CONTRACT NO. 61A07				ILLINOIS FED. AID PROJECT

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

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



NOTE: THE ASSUMED DEPTHS ARE 3' FOR EXISTING BURIED TELEPHONE AND FIBER OPTIC CABLES AND 3.5' FOR BURIED ELECTRIC FROM THE EXISTING GROUND.

exp U.S. Services Inc.  
Chicago, IL  
BUILDINGS-EARTH & ENVIRONMENT-ENERGY  
INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY

USER NAME = hechtbr  
PLOT SCALE = 10,0000' / 1" = 1000'  
PLOT DATE 4/2/2015

DESIGNED - MRK  
DRAWN - MRK  
CHECKED - BRH  
DATE - 03/13/15

REVISED -  
REVISED -  
REVISED -  
REVISED -

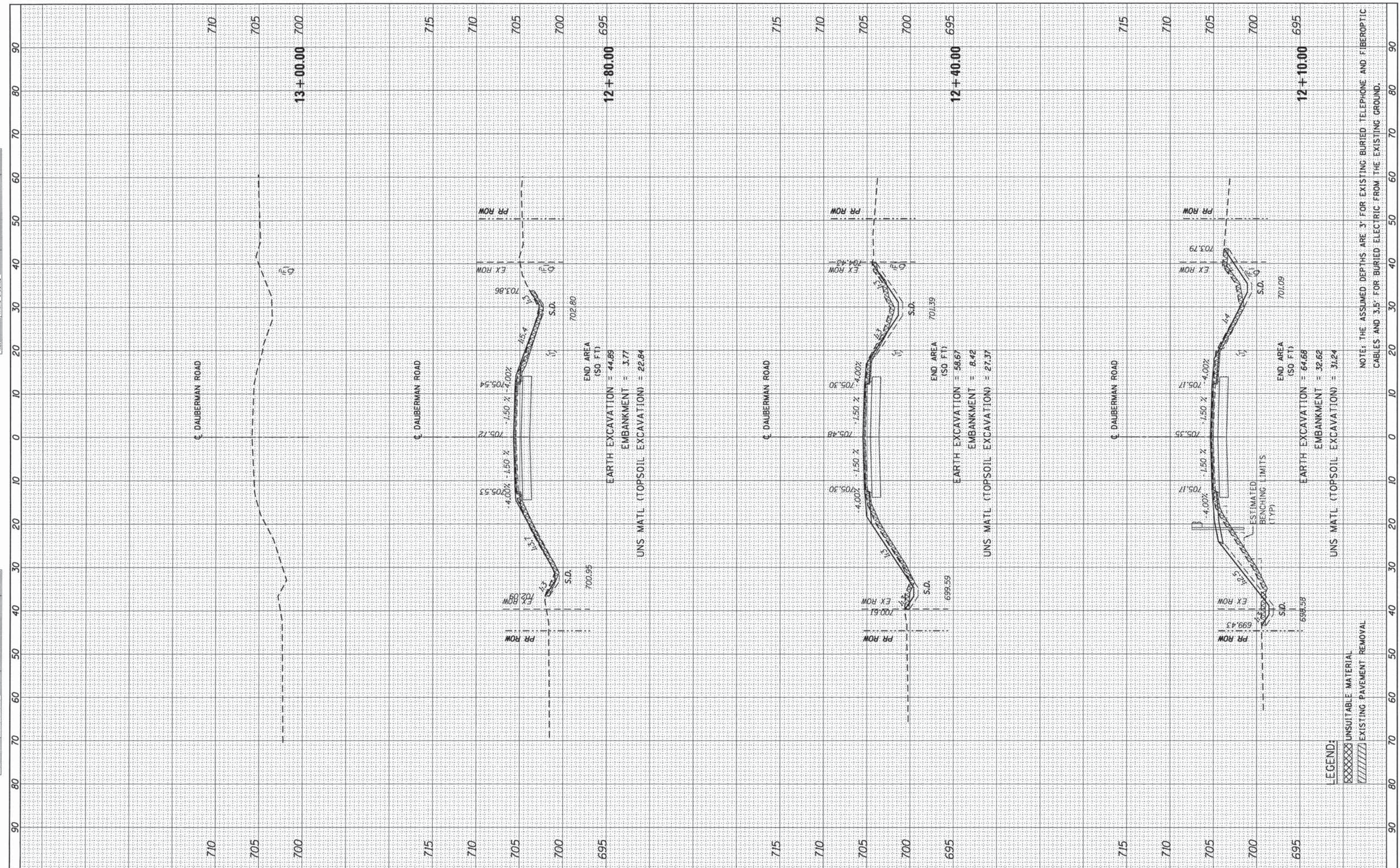
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DAUBERMAN ROAD CROSS SECTIONS  
SCALE: 1"=10'H 1"=5'V SHEET OF SHEETS STA. 11+40.00 TO STA. 12+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1107	08-00066-02-BR	KANE	40	39
CONTRACT NO. 61A07			ILLINOIS FED. AID PROJECT	

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

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



**LEGEND:**  
 [Cross-hatched] UNSUITABLE MATERIAL  
 [Diagonal lines] EXISTING PAVEMENT REMOVAL

NOTE: THE ASSUMED DEPTHS ARE 3' FOR EXISTING BURIED TELEPHONE AND FIBEROPTIC CABLES AND 3.5' FOR BURIED ELECTRIC FROM THE EXISTING GROUND.

exp U.S. Services Inc.  
 Chicago, IL  
 BUILDINGS-EARTH & ENVIRONMENT-ENERGY  
 INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY

USER NAME = hechtbr  
 PLOT SCALE = 10.0000' / 1"  
 PLOT DATE = 4/2/2015

DESIGNED - MRK  
 DRAWN - MRK  
 CHECKED - BRH  
 DATE - 03/13/15

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DAUBERMAN ROAD CROSS SECTIONS  
 SCALE: 1"=10'H 1"=5'V SHEET OF SHEETS STA. 12+10.00 TO STA. 13+00.00

F.A.S. RTE. 1107	SECTION 08-00066-02-BR	COUNTY KANE	TOTAL SHEETS 40	SHEET NO. 40
CONTRACT NO. 61A07			ILLINOIS FED. AID PROJECT	