

F.A. TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	35	1
ILLINOIS				

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

04-26-2019 LETTING ITEM 164

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

BASE LINE ROAD
 POSTED SPEED LIMIT = 55 MPH
 DESIGN SPEED LIMIT = 55 MPH
 2017 ADT = 1200
 2032 ADT = 1808

DESIGN DESIGNATION

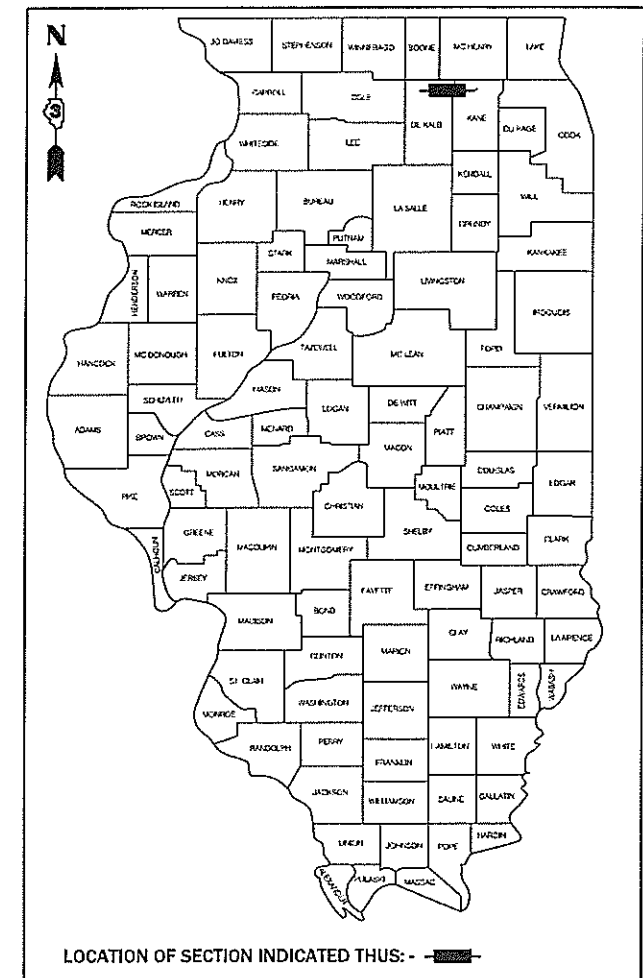
LOCAL ROAD 0.49 (HMA-20)

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED
 HIGHWAY PLANS**

**TR ROUTE 61 (BASE LINE ROAD)
 SECTION 14-06122-00-BR
 PROJECT 6L9P(648)
 BRIDGE REPLACEMENT
 GENOA TOWNSHIP
 DEKALB COUNTY
 STP-BR FUNDS**

C-93-004-19



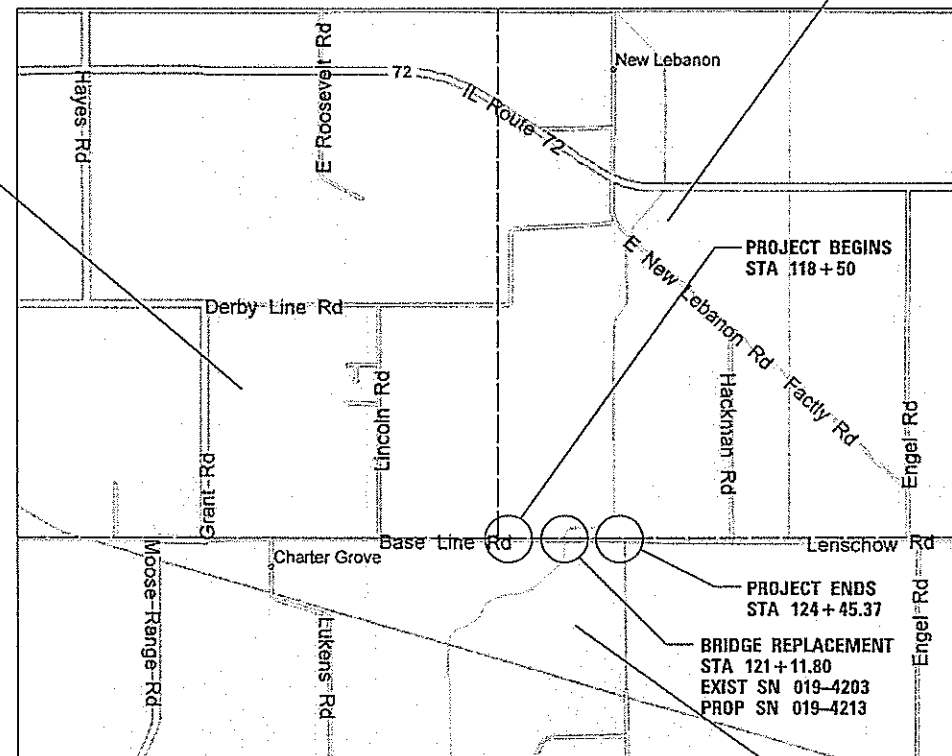
SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPR NO. 184-001273

REGISTERED PROFESSIONAL ENGINEER
 STATE OF ILLINOIS
 ANTHONY J. STANDISH
 No. 062-056084
 CATHY J. [Signature] 2/11/2019

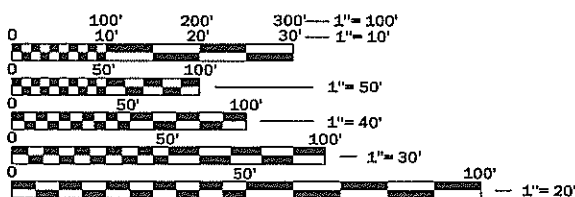
AGENCY RESPONSIBLE FOR LETTING	
Approved	February 28 2019 [Signature] County Engineer Local Agency Position
Passed	March 19 2019 [Signature] District 3 Engineer of Local Roads & Streets
Releasing for Bid Based on Limited Review	March 19 2019 [Signature] Deputy Director of Highways, Region 2 Engineer

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 OF THE STATE OF ILLINOIS**

TOWNSHIP 42N,
 RANGE 5E,
 SECTION 35



N
 LOCATION MAP
 NOT TO SCALE



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

DISTRICT 3 NO. (815) 434-6131
 CONTRACT NO. 87689

GROSS LENGTH = 595.37 FT. = 0.113 MILE
 NET LENGTH = 595.37 FT. = 0.1113 MILE

TOWNSHIP 41N, RANGE 5E, SECTION 1

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, INDEX, AND STANDARDS
3-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS
8	ALIGNMENT, TIES, AND BENCHMARKS
9	SCHEDULE OF QUANTITIES
10-12	PLAN AND PROFILE
13	TRAFFIC CONTROL/DETOUR PLAN
14-16	EROSION AND SEDIMENT CONTROL
17-27	STRUCTURAL SHEETS
28-29	DISTRICT AND COUNTY STANDARDS
30-38	CROSS SECTIONS

IDOT HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-03	NAME PLATES FOR BRIDGES
542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAIN
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-09	TRAFFIC BARRIER TERMINAL, TYPE 6A
635001-02	DELINEATORS
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATION OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

IDOT DISTRICT THREE STANDARD DETAILS

251-02	DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION
402-01	FIELD ENTRANCE DETAIL
406-11	BUTT JOINT DETAIL
720-10	TEMPORARY INFORMATION SIGNING - ROAD CLOSED

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE ACCORDING TO THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JAN. 1, 2016, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2019, THE DETAILS IN THESE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION ACTIVITIES DURING DAYLIGHT HOURS.
- THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- EXISTING STRUCTURES (INCLUDING FOUNDATIONS, WELLS, CISTERN, WALLS, OR OTHER UNDERGROUND STRUCTURES) WITHIN THE RIGHT OF WAY SHALL BE REMOVED IN ACCORDANCE WITH ARTICLE 501.04 AND 501.05 OF THE STANDARD SPECIFICATIONS, WITHOUT ADDITIONAL COMPENSATION, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS.
- THE FINAL TOP FOUR INCHES OF SOIL IN ANY AREA DISTURBED BY THE CONTRACTOR SHALL BE FERTILE, FRIABLE, NATURAL LOAM, SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER AND FREE OF ROOT STUMPS, STONES AND OTHER MATERIAL HARMFUL TO PLANT GROWTH. TOPSOIL MUST MEET REQUIREMENTS OF ARTICLE 1081.05.
- THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS AND RIGHT OF WAY PINS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKERS, SECTION OR SUBSECTION MONUMENTS UNLESS REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO THE FIELD ENTRANCES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- CLEARING OF BRUSH, BUSHES AND TREES WITH A DIAMETER LESS THAN 6" WILL NOT BE PAID FOR SEPARATELY PER SECTION 201 OF THE STANDARD SPECIFICATIONS.
- PROPOSED END SECTIONS SHALL BE SLOPED TO MATCH THE PROPOSED CULVERTS AND STORM SEWER PIPE SLOPES. CULVERTS MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS.
- ALL SUBSURFACE DRAINS AND/OR FIELD TILES ENCOUNTERED IN THE ROADWAY EXCAVATION SHALL BE REMOVED AND CONSIDERED TO BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CAPPING THE EXISTING SUBSURFACE DRAINS OR CONNECTING TO THE PROPOSED DITCHES AT THE LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE OWNER. THIS WORK SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- REMOVAL OF END SECTIONS SHALL BE PAID PER FOOT UNDER PIPE CULVERT REMOVAL.
- THE PROPOSED DRAINAGE STRUCTURES AND PIPES SHALL BE PROTECTED IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACES THAT DRAIN TO THEM ARE FULLY PAVED OR VEGETATED.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION, DIRECTION AND MEANS/METHOD OF CONSTRUCTION.
- QUANTITIES AND ASSOCIATED PAY ITEMS FOR EARTHWORK, LANDSCAPE RESTORATION, AND EROSION CONTROL WERE DEVELOPED ACCORDING TO ONLY THE NECESSARY GRADING FOR THE PROJECT PROPOSED AS SHOWN IN THE CROSS SECTIONS. AREAS DISTURBED BEYOND THE SLOPE INTERCEPTS OR WITHIN THE LIMITS OF IMPROVEMENT SHALL HAVE EROSION CONTROL AND LANDSCAPING RESTORATION ACCORDING TO THE ADJACENT REQUIREMENTS SHOWN IN THE PLANS. THE GROUND SHALL BE GRADED AND RESTORED TO MATCH THE EXISTING PRE-CONSTRUCTION CONDITIONS. ALL WORK DESCRIBED ABOVE THAT IS BEYOND THE SLOPE INTERCEPTS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE VARIOUS ESTABLISHED PAY ITEMS.
- ALL SAW CUTS SHALL BE INCLUDED IN THE COST OF THE VARIOUS REMOVAL ITEMS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- DAMAGE TO PAVEMENT OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFIED TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
- FOR STEEL BAR CERTIFICATION, PLEASE CONTACT IDOT BUREAU OF MATERIALS AT 815-433-7100.
- MATERIAL EXCAVATED FROM THE CHANNEL SHALL NOT BE RETURNED TO THE WATERWAY OR PLACED IN WETLANDS.
- IT IS ASSUMED THAT 6" OF THE EXISTING GROUND OUTSIDE THE PAVEMENT SHALL BE EXCAVATED AND REMOVED FROM THE SITE. QUANTITIES FOR THIS WORK ARE INCLUDED IN REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS.
- GRADING AND SHAPING DITCHES WILL NOT BE PAID FOR SEPARATELY AND SHOULD BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- ALL PIPE CULVERTS SHALL BE MADE OF CORRUGATED STEEL OR ALUMINUM ALLOY PIPE MATERIAL.

DENOTES WORK INCLUDED IN THE COST OF OTHER ITEMS.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES,
AND HIGHWAY STANDARDS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	2
			CONTRACT NO. 87689	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE
				0004	REPLACEMENT
				80% FED 20% STATE	80% FED 20% STATE
				RURAL	RURAL
20200100	EARTH EXCAVATION	CU YD	136	136	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	131	131	
20400800	FURNISHED EXCAVATION	CU YD	779	779	
25000210	SEEDING, CLASS 2A	ACRE	1	1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	50	50	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	50	50	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50	50	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	2,230	2,230	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	50	
28000305	TEMPORARY DITCH CHECKS	FOOT	65	65	
28000400	PERIMETER EROSION BARRIER	FOOT	1,374	1,374	
28000500	INLET AND PIPE PROTECTION	EACH	6	6	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2,250	2,250	
28100105	STONE RIPRAP, CLASS A3	SQ YD	20	20	
28100109	STONE RIPRAP, CLASS A5	SQ YD	484		484

+ INDICATES PAY ITEM WITH SPECIAL PROVISION

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PLOT DATE = 2/28/2019	CHECKED - MJG	REVISED -
	DATE - 2/28/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	3
CONTRACT NO. 87689				
ILLINOIS FED. AID PROJECT				
SCALE:	SHEET 1 OF 4 SHEETS	STA.	TO STA.	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	BRIDGE REPLACEMENT S.N. 019-4213 0010
				80% FED 20% STATE RURAL	80% FED 20% STATE RURAL
28200200	FILTER FABRIC	SQ YD	484		484
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	1,440	1,440	
40200900	AGGREGATE SURFACE COURSE, TYPE B	CU YD	39	39	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3,239	3,239	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	363	363	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	147	147	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	296	296	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	103	103	
44000100	PAVEMENT REMOVAL	SQ YD	1,490	1,490	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	821	821	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	52	52	
50200100	STRUCTURE EXCAVATION	CU YD	67		67
50300225	CONCRETE STRUCTURES	CU YD	29		29
50300260	BRIDGE DECK GROOVING	SQ YD	174		174

+ INDICATES PAY ITEM WITH SPECIAL PROVISION

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	4
CONTRACT NO. 87689				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	BRIDGE REPLACEMENT S.N. 019-4213 0010
				80% FED 20% STATE RURAL	80% FED 20% STATE RURAL
50300280	CONCRETE ENCASEMENT	CU YD	7		7
50300300	PROTECTIVE COAT	SQ YD	186		186
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1,611		1,611
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,020		6,020
50901050	STEEL RAILING, TYPE SM	FOOT	108		108
51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	360		360
51202305	DRIVING PILES	FOOT	360		360
51203200	TEST PILE METAL SHELLS	EACH	2		2
51500100	NAME PLATES	EACH	1		1
54262715	METAL FLARED END SECTIONS 15"	EACH	2	2	
54262721	METAL FLARED END SECTIONS 21"	EACH	4	4	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	55	55	
542D0226	PIPE CULVERTS, CLASS D, TYPE 1 21"	FOOT	141	141	
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	300	300	
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	

+ INDICATES PAY ITEM WITH SPECIAL PROVISION Δ SPECIALTY ITEMS

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	DATE - 2/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET 3 OF 4 SHEETS		STA.	TO STA.
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T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	5
CONTRACT NO. 87689			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	BRIDGE REPLACEMENT S.N. 019-4213 0010
				80% FED 20% STATE RURAL	80% FED 20% STATE RURAL
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
67100100	MOBILIZATION	L SUM	1	1	
Δ 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4	
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
Δ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16	
+ X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	179		179
+ X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
+ Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
+ Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42	
+ Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	132		132

+ INDICATES PAY ITEM WITH SPECIAL PROVISION Δ SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE:	SHEET 4 OF 4 SHEETS STA. TO STA.

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	6
CONTRACT NO. 87689				
ILLINOIS FED. AID PROJECT				

STRUCTURAL DESIGN TRAFFIC: 1808 YEAR: 2032

PV = 1592 SU = 127 MU = 90

ROAD/STREET CLASSIFICATION: CLASS III

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

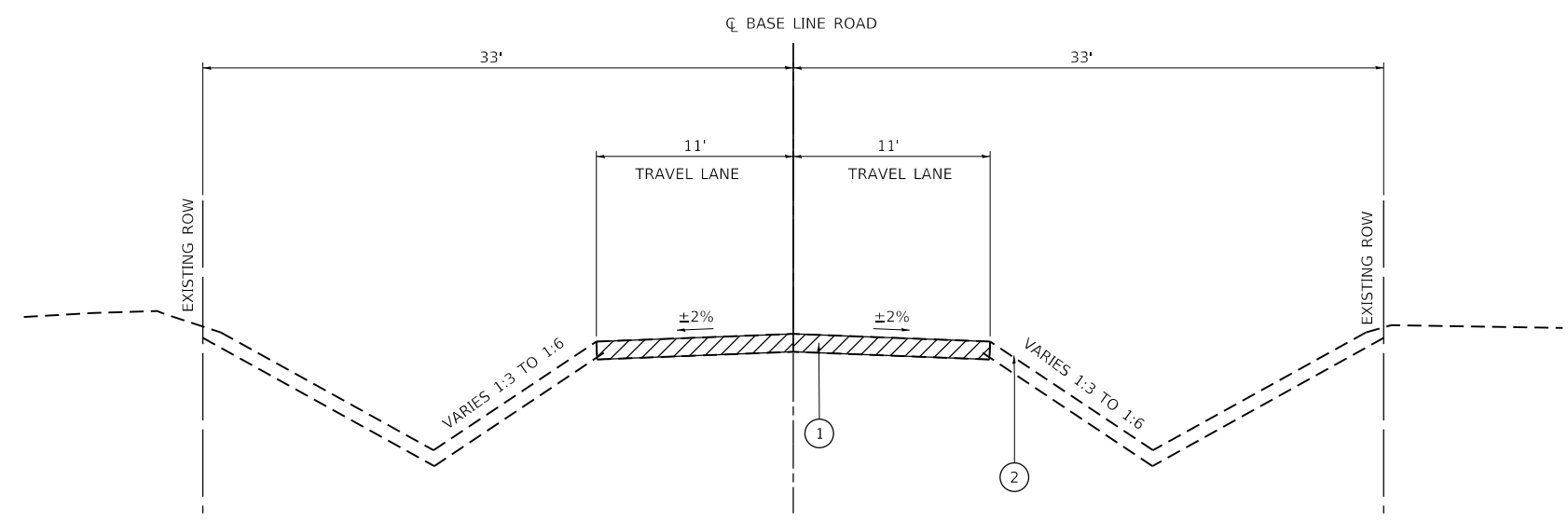
P = 88% S = 7% M = 5%

TRAFFIC FACTOR: = 0.49

PG GRADE: BINDER = PG 64-22 SURFACE = PG 64-22

SUBGRADE SUPPORT RATING:

SSR = POOR



EXISTING LEGEND

PAVEMENT REMOVAL

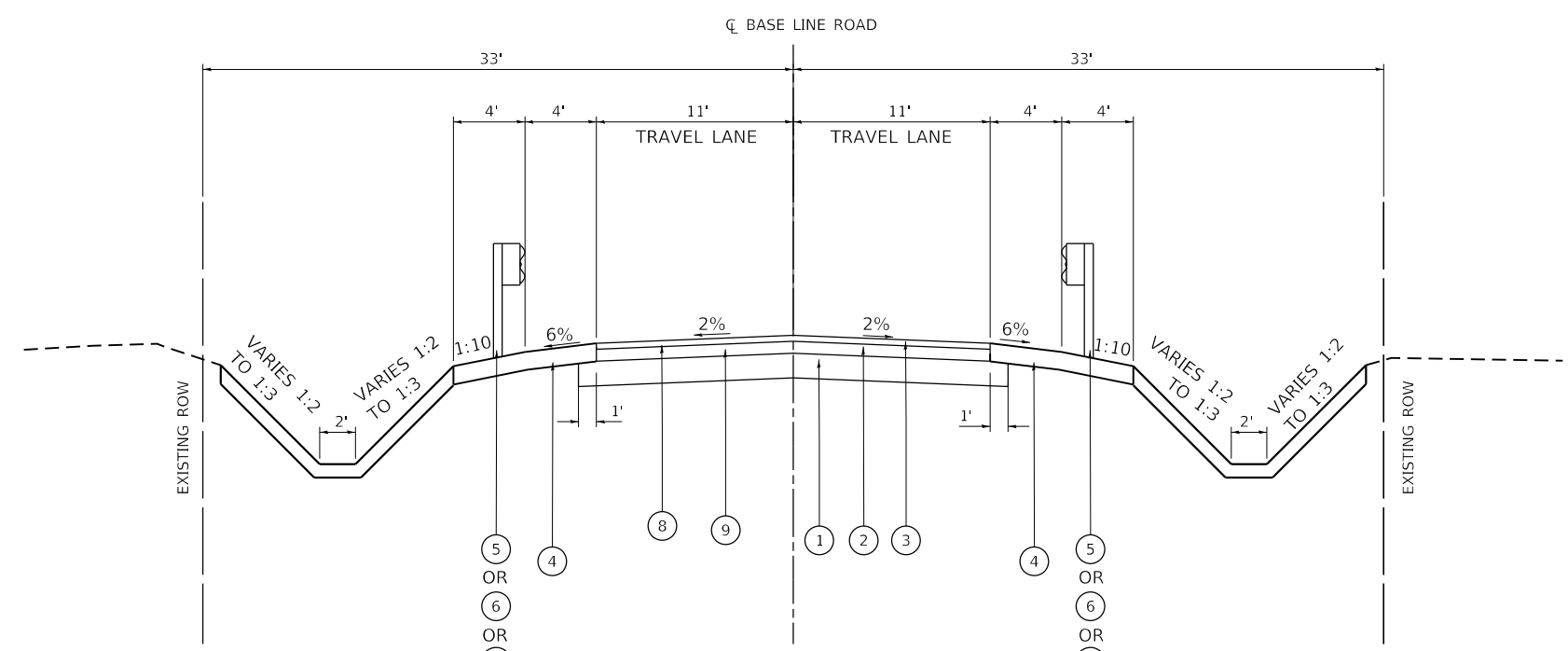
EXISTING TYPICAL SECTION

*BRIDGE OMISSIONS
STA 120+90.83 TO STA 121+32.27

EXISTING LEGEND

① HOT MIX ASPHALT PAVEMENT

② 6" TOPSOIL (APPROXIMATE)



PROPOSED TYPICAL SECTION

*BRIDGE OMISSIONS
STA 120+83.96 TO STA 121+39.63

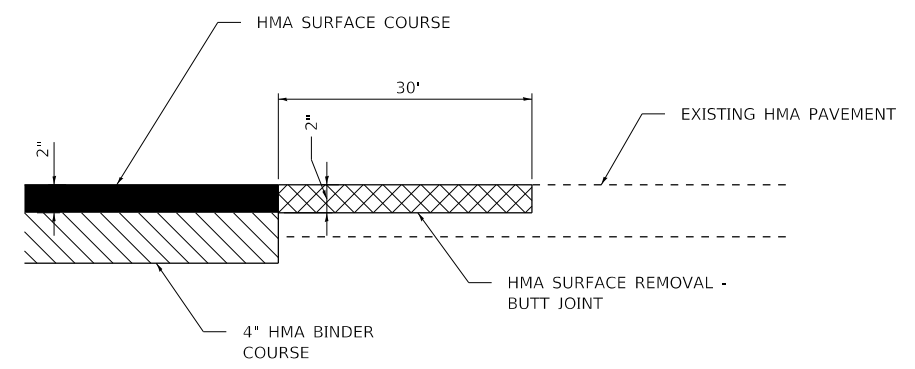
**SEE PLAN AND PROFILE SHEETS
FOR SPECIFIC LOCATIONS

PROPOSED LEGEND

① AGGREGATE BASE COURSE, TYPE A 8" ④ AGGREGATE SHOULDERS, TYPE B 6" ⑦ TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

② 4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 ⑤ STEEL PLATE BEAM GUARDRAIL, TYPE A ⑧ BITUMINOUS MATERIALS, TACK COAT

③ 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 ⑥ TRAFFIC BARRIER TERMINAL, TYPE 6A ⑨ BITUMINOUS MATERIALS, PRIME COAT



BUTT JOINT DETAIL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	HMA BINDER	HMA SURFACE
PG GRADE	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5
FRICTION AGGREGATE		MIXTURE C
DENSITY TEST METHOD	CORES OR NUCLEAR	CORES OR NUCLEAR
MIXTURE WEIGHT	112# / SQ. YD. / IN.	112# / SQ. YD. / IN.
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A
LOCATION(S)	ENTIRE PROJECT	ENTIRE PROJECT

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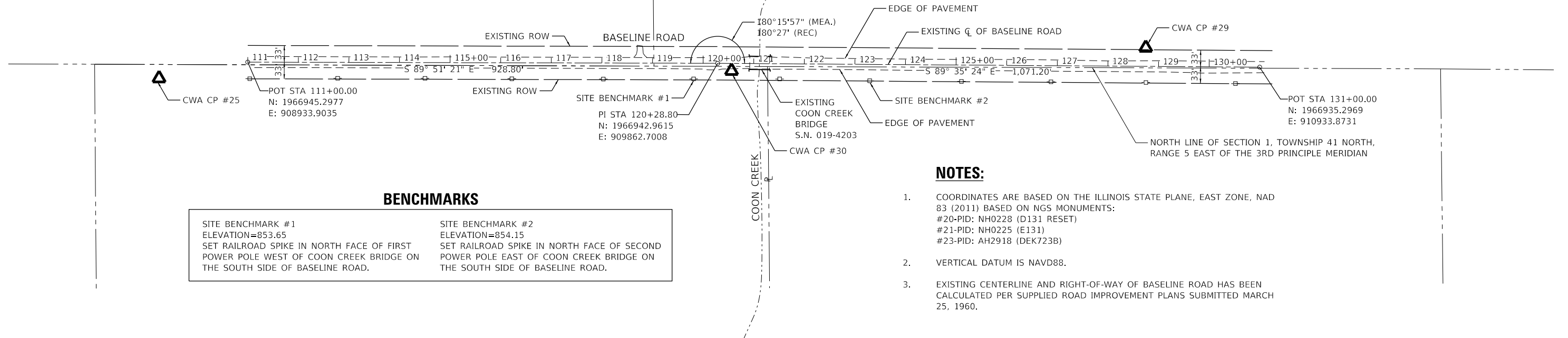
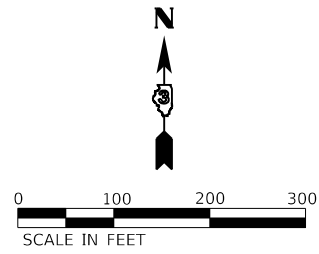
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PLOT DATE = 2/28/2019	CHECKED - EDH	REVISED -
	DATE - 2/28/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BASE LINE ROAD
TYPICAL SECTION

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	7
			CONTRACT NO. 87689	
ILLINOIS FED. AID PROJECT				



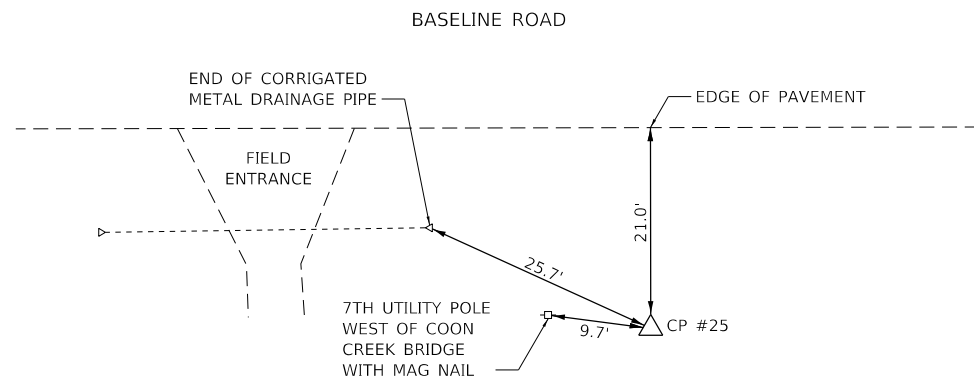
BENCHMARKS	
SITE BENCHMARK #1 ELEVATION=853.65 SET RAILROAD SPIKE IN NORTH FACE OF FIRST POWER POLE WEST OF COON CREEK BRIDGE ON THE SOUTH SIDE OF BASELINE ROAD.	SITE BENCHMARK #2 ELEVATION=854.15 SET RAILROAD SPIKE IN NORTH FACE OF SECOND POWER POLE EAST OF COON CREEK BRIDGE ON THE SOUTH SIDE OF BASELINE ROAD.

NOTES:

- COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011) BASED ON NGS MONUMENTS:
#20-PID: NH0228 (D131 RESET)
#21-PID: NH0225 (E131)
#23-PID: AH2918 (DEK723B)
- VERTICAL DATUM IS NAVD88.
- EXISTING CENTERLINE AND RIGHT-OF-WAY OF BASELINE ROAD HAS BEEN CALCULATED PER SUPPLIED ROAD IMPROVEMENT PLANS SUBMITTED MARCH 25, 1960.

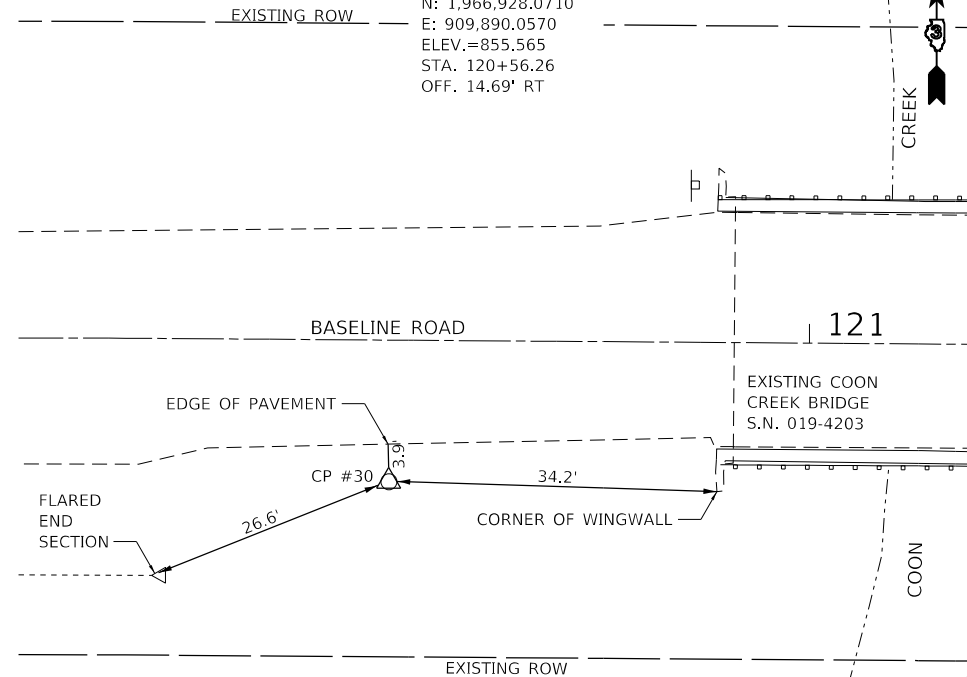
CONTROL POINT 25

SET 5/8" REBAR WITH CAP
N: 1,966,913.2390
E: 908,758.7080
ELEV.=868.795



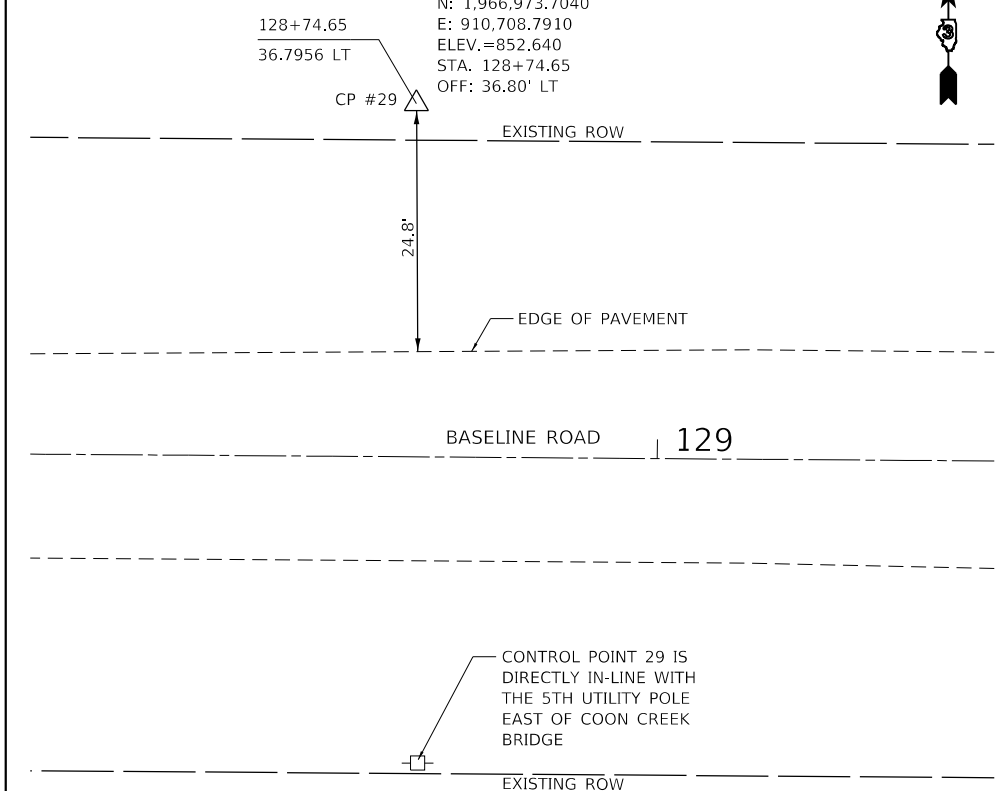
CONTROL POINT 30

SET 5/8" REBAR WITH CAP
N: 1,966,928.0710
E: 909,890.0570
ELEV.=855.565
STA. 120+56.26
OFF. 14.69' RT



CONTROL POINT 29

SET 5/8" REBAR WITH CAP
N: 1,966,973.7040
E: 910,708.7910
ELEV.=852.640
STA. 128+74.65
OFF: 36.80' LT



MODEL: D:\p1\1170 SOUTH HOUBOLT ROAD\14-06122-00-01\Drawings\CADD\Micro-SSA\CAD_Sheets\122915-rl-ATB.dgn



USER NAME = JakeSc	DESIGNED - JRS	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 2/28/2019	CHECKED - EDH	REVISED -
	DATE - 2/28/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	8
			CONTRACT NO. 87689	
ILLINOIS FED. AID PROJECT				

BASE LINE ROAD						
EARTHWORK SCHEDULE						
LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION EARTHWORK BALANCE WASTE (+) OR SHORAGE (-)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
STATION	STATION	CU YD	CU YD	CY YD	CY YD	CY YD
117+50.00	117+64.03	0.00	0.00	13.96	-13.96	-0.01
117+64.03	118+00.00	0.00	0.00	20.79	-30.36	1.33
118+00.00	118+14.36	0.00	0.00	2.33	-4.44	1.07
118+14.36	118+37.70	0.00	0.00	7.16	-10.69	2.63
118+37.70	118+50.00	3.36	2.86	5.86	-5.34	2.32
118+50.00	118+73.85	12.23	10.39	12.12	-6.41	5.40
118+73.85	119+00.00	11.14	9.47	15.45	-11.76	5.98
119+00.00	119+50.00	18.16	15.43	39.60	-40.87	11.36
119+50.00	119+62.98	4.71	4.01	12.50	-13.73	2.90
119+62.98	119+87.87	9.45	8.04	31.32	-33.61	6.42
119+87.87	120+00.00	4.18	3.55	18.69	-20.07	3.54
120+00.00	120+50.00	19.32	16.43	76.06	-79.33	16.23
120+50.00	120+83.00	7.75	6.59	24.18	-24.01	5.93
120+83.00	121+40.00	0.00	0.00	0.00	0.00	0.00
121+40.00	121+50.00	1.93	1.64	6.99	-7.64	1.27
121+50.00	121+57.55	3.29	2.80	8.85	-9.52	1.94
121+57.55	122+00.00	12.33	10.48	67.74	-76.14	11.50
122+00.00	122+35.82	3.93	3.34	69.55	-81.99	10.26
122+35.82	122+50.00	1.75	1.49	21.97	-27.11	3.81
122+50.00	122+59.82	1.22	1.04	13.61	-17.44	2.28
122+59.82	123+00.00	5.26	4.47	51.74	-67.06	8.79
123+00.00	123+50.00	10.53	8.95	56.55	-71.88	11.00
123+50.00	123+85.82	11.61	9.87	33.57	-41.36	7.87
123+85.82	124+00.00	5.40	4.59	11.21	-13.77	2.80
124+00.00	124+09.82	3.98	3.38	6.11	-7.87	1.57
124+09.82	124+50.00	8.32	7.07	34.73	-48.77	2.88
124+50.00	124+60.82	0.00	0.00	11.28	-14.08	0.00
TOTALS		160	136	674	-779	131

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED - JRS	REVISED -
	DRAWN - JRS	REVISED -
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PLOT DATE = 2/28/2019	DATE - 2/28/2019	REVISED -

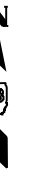
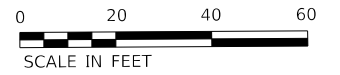
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET 1 OF 1 SHEETS		STA.	TO STA.
		SCHEDULE OF QUANTITIES			

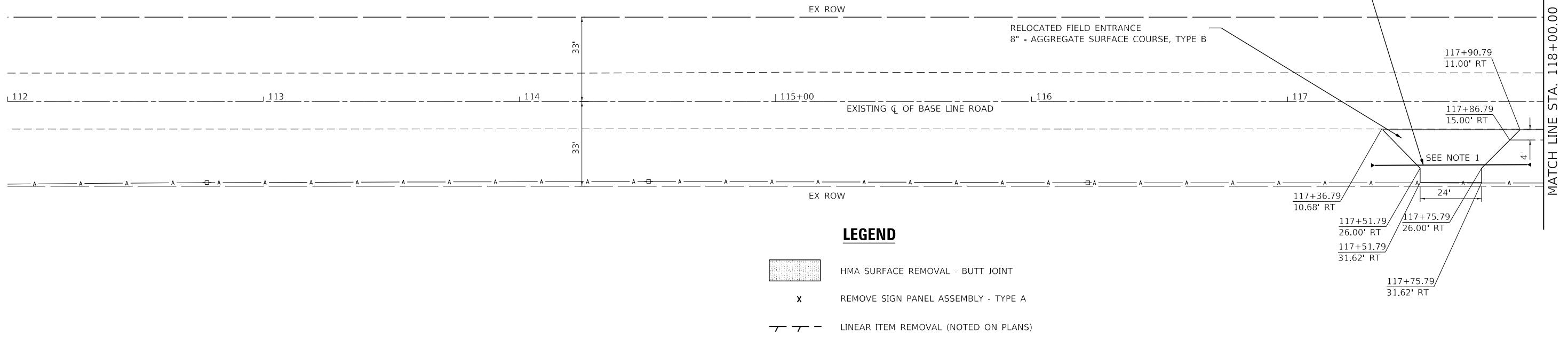
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87689	

NOTES:



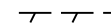
1. PROPOSED FIELD ENTRANCE LOCATION
STA 117+36.76 TO STA 117+90.79



PIPE CULVERTS, CLASS D, TYPE 1, 15" (51 LF)
METAL FLARED END SECTIONS, 15" (2 EACH)

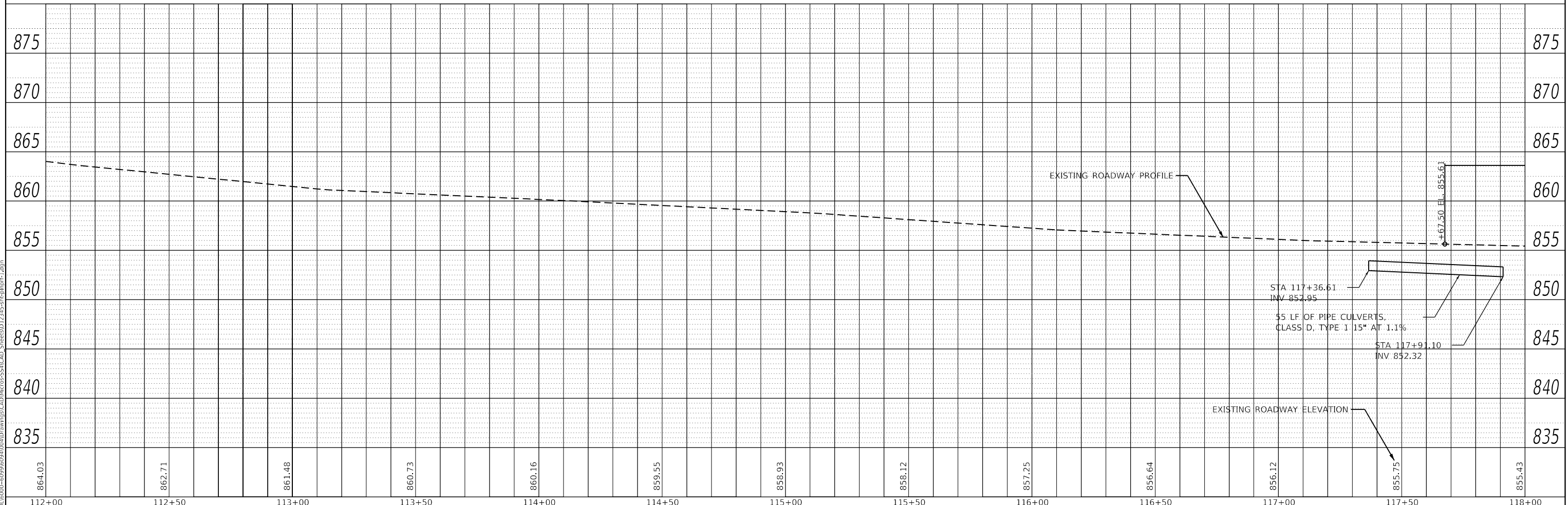


LEGEND

-  HMA SURFACE REMOVAL - BUTT JOINT
-  REMOVE SIGN PANEL ASSEMBLY - TYPE A
-  LINEAR ITEM REMOVAL (NOTED ON PLANS)

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	STRUCTURE NOTATIONS CHECKED	



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	DRAWN - JRS	REVISED -
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PLOT DATE = 2/28/2019	DATE - 02/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BASE LINE ROAD
PLAN AND PROFILE**

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. TO STA. 118+00.00

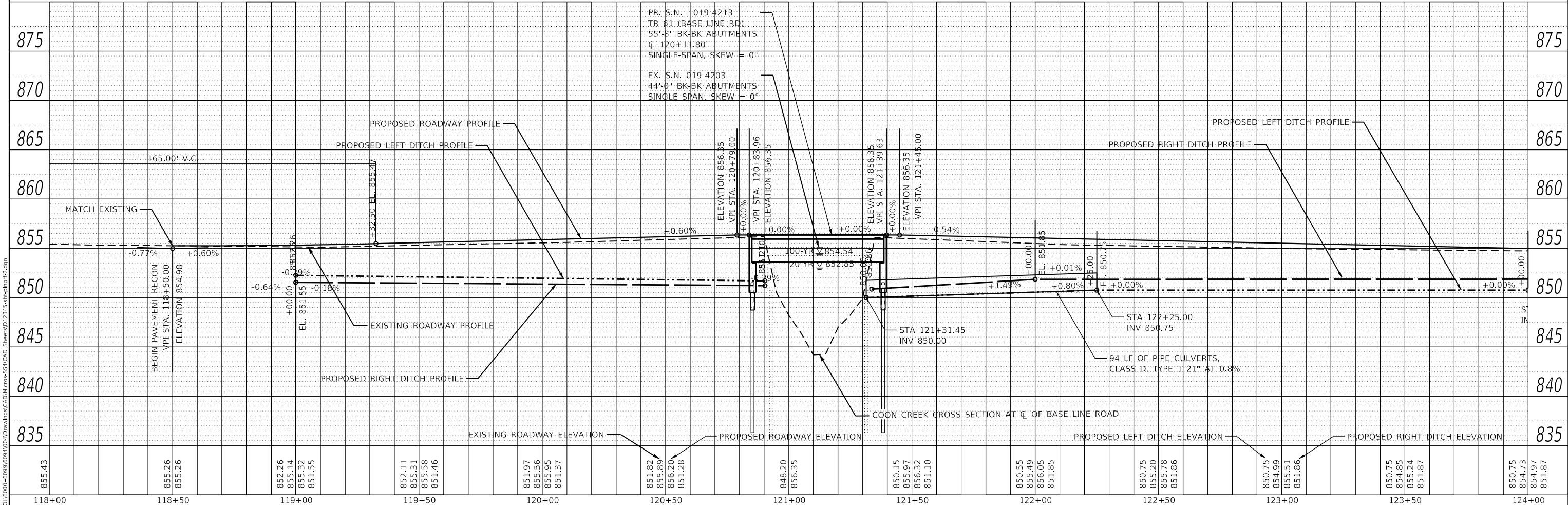
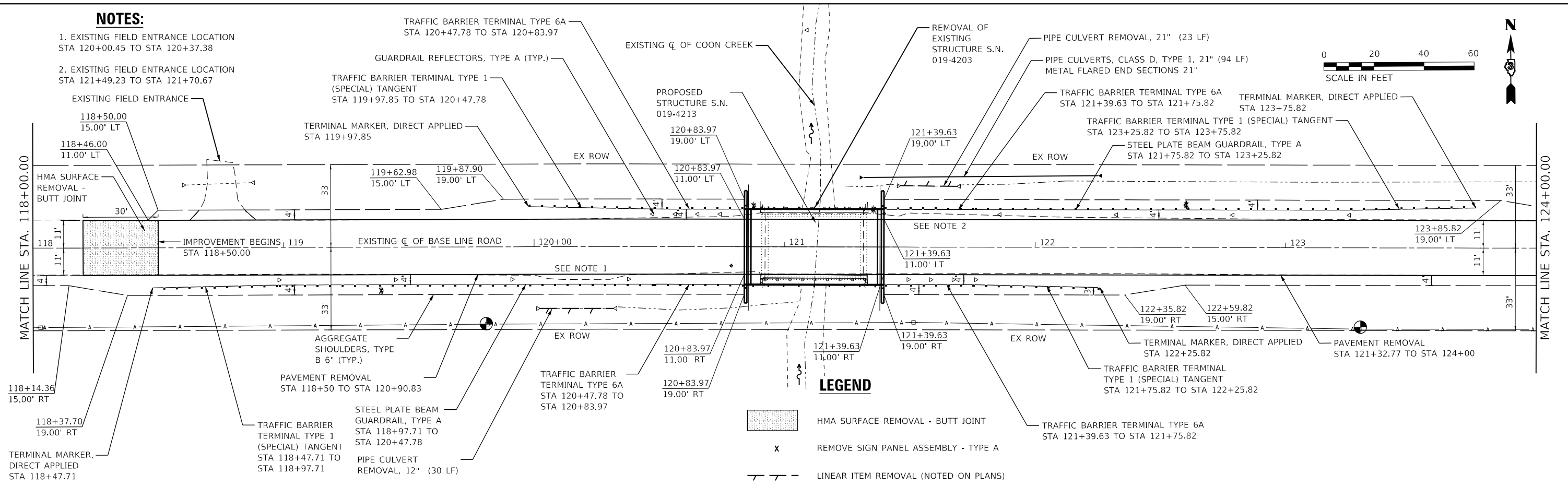
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	10
CONTRACT NO. 87689			ILLINOIS FED. AID PROJECT	

NOTES:

- EXISTING FIELD ENTRANCE LOCATION STA 120+00.45 TO STA 120+37.38
- EXISTING FIELD ENTRANCE LOCATION STA 121+49.23 TO STA 121+70.67

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PLAN	
NO.	



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STRAND ASSOCIATES*
 1170 SOUTH HOBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = JakeSc	DESIGNED - JRS	REVISED -
	DRAWN - JRS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - EDH	REVISED -
PLOT DATE = 2/28/2019	DATE - 02/28/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

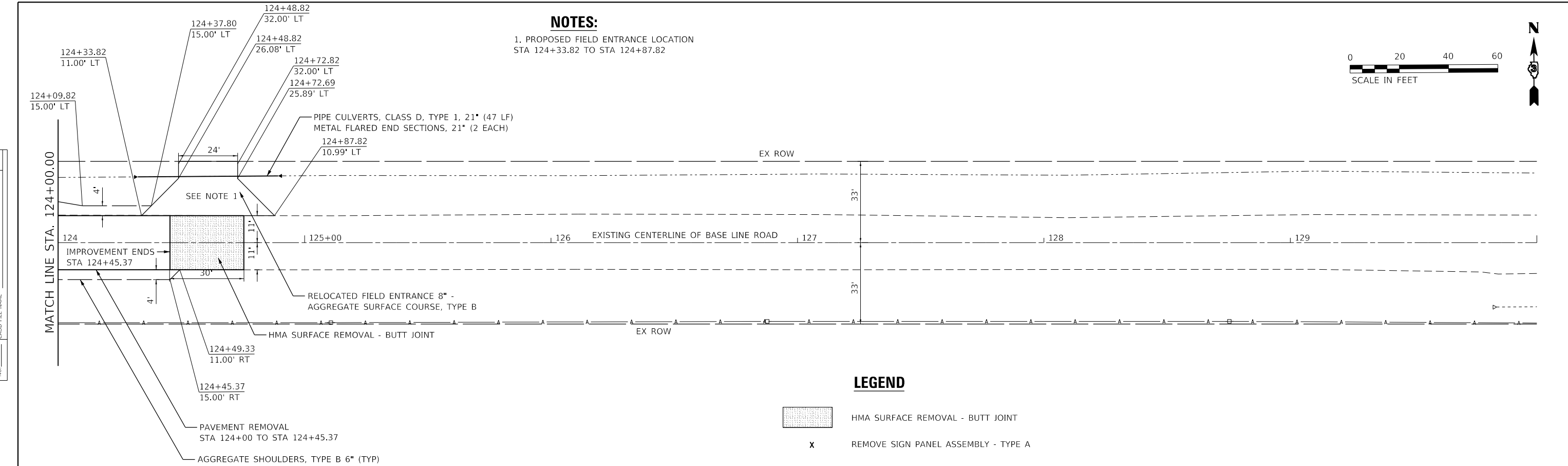
**BASE LINE ROAD
 PLAN AND PROFILE**

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 118+00.00 TO STA. 124+00.00

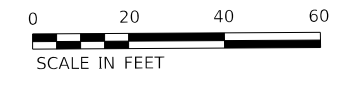
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	11
CONTRACT NO. 87689			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

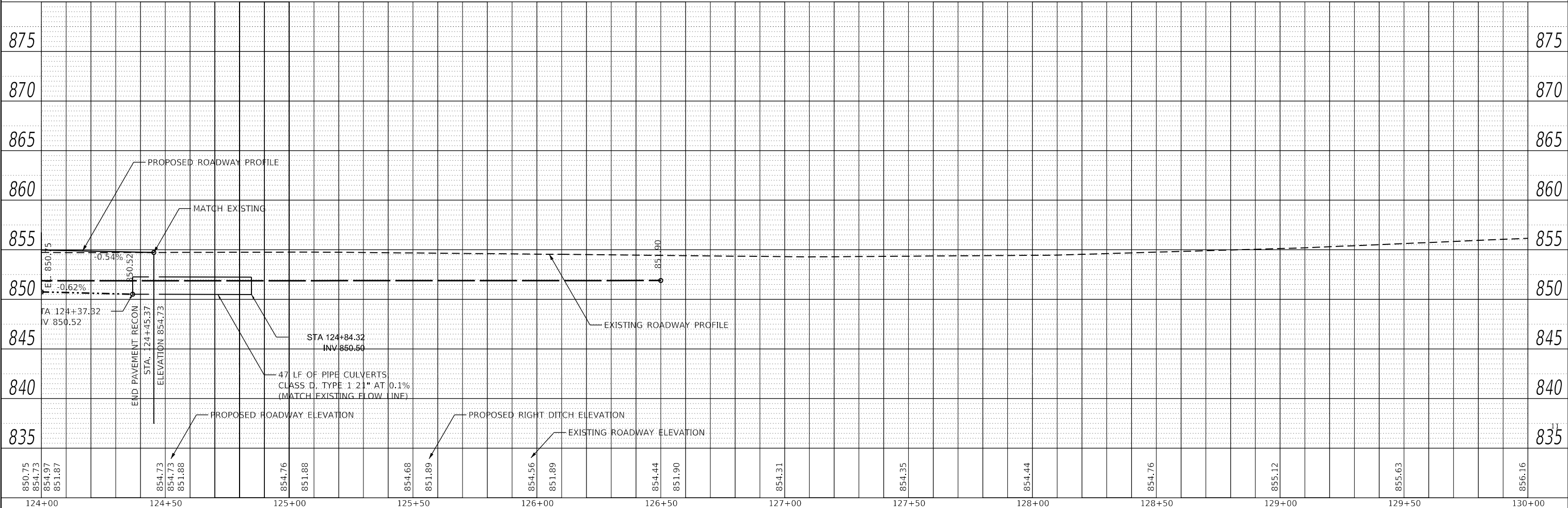


NOTES:
 1. PROPOSED FIELD ENTRANCE LOCATION
 STA 124+33.82 TO STA 124+87.82



LEGEND

	HMA SURFACE REMOVAL - BUTT JOINT
	REMOVE SIGN PANEL ASSEMBLY - TYPE A
	LINEAR ITEM REMOVAL (NOTED ON PLANS)



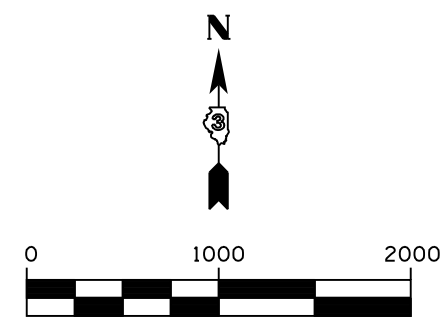
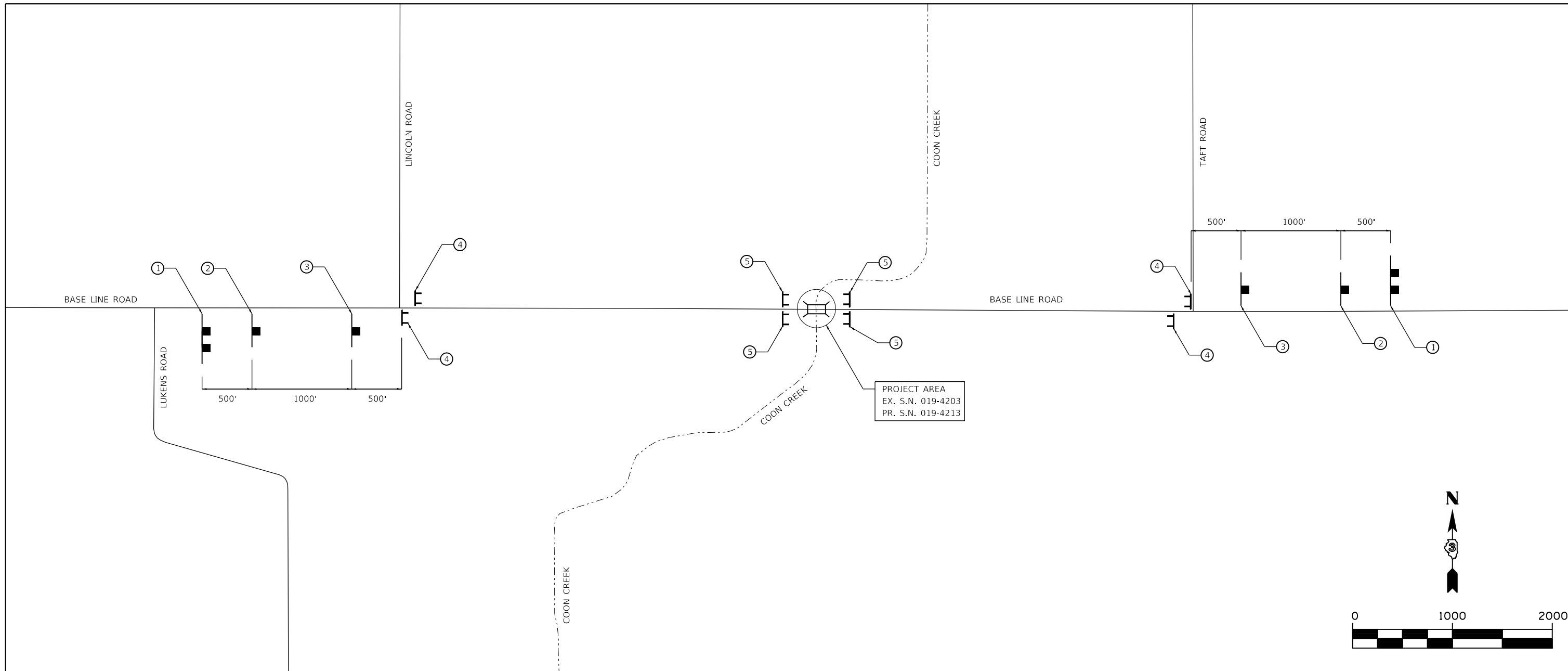
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	DRAWN - JRS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - EDH	REVISED -
PLOT DATE = 2/28/2019	DATE - 02/28/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BASE LINE ROAD PLAN AND PROFILE	
SCALE: 1"=20'	SHEET 3 OF 3 SHEETS
STA. 124+00.00 TO STA.	

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	12
CONTRACT NO. 87689			ILLINOIS FED. AID PROJECT	



SIGN LEGEND

①	 IDOT D3 STANDARD 720-10 (SEE SPECIAL PROVISION 75)	②	 W20-3, 48"x48"	③	 W20-3, 48"x48"	④	 R11-4, 48"x30"	⑤	 R11-2, 48"x30"
	 TYPE III BARRICADES WITH 2 FLASHING LIGHTS EACH HIGHWAY STANDARD 701901		 SIGN WITH SINGLE POST		 SIGN WITH DOUBLE POST				

NOTES

1. SEE THE APPLICABLE STANDARDS FOR USE OF FLASHING BEACON LIGHTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ANY SIGNS THAT ARE SUPPLIED BY OTHERS AND DAMAGED BY THE CONTRACTOR'S WORK FORCE OR BY SUBCONTRACTORS DURING RELOCATION OR CONSTRUCTION OPERATIONS.

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PLOT DATE = 2/28/2019	CHECKED - EDH	REVISED -
	DATE - 2/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

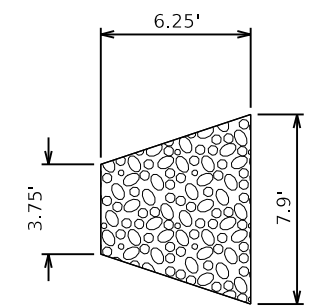
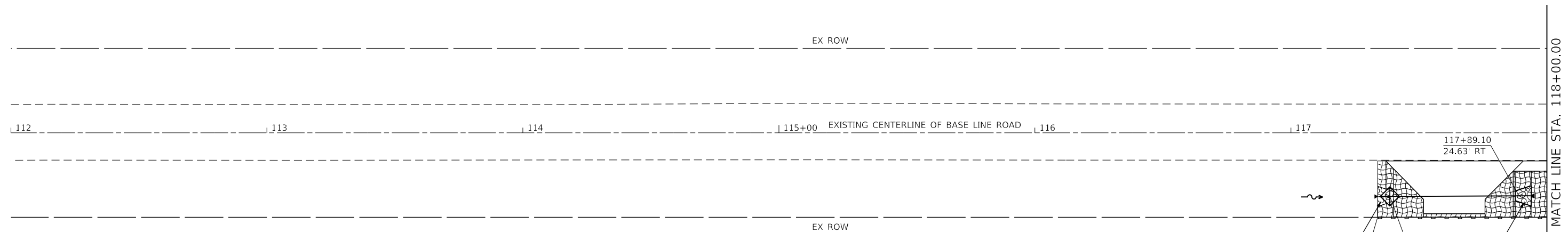
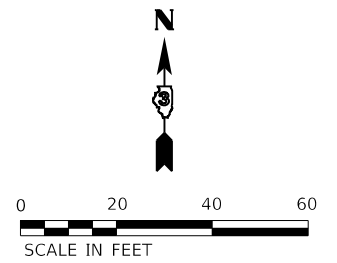
TRAFFIC CONTROL PLAN

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

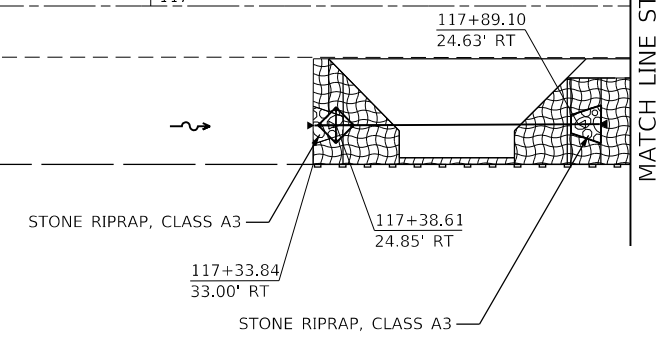
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	13
CONTRACT NO. 87689				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL GENERAL NOTES

1. PROPOSED PIPE CULVERTS RECEIVING RUNOFF SHALL BE PROTECTED WITH INLET AND PIPE PROTECTION IMMEDIATELY AFTER CONSTRUCTION.
2. FOR INLET AND PIPE PROTECTION, USE A COMBINATION OF TEMPORARY SEED, EROSION CONTROL BLANKET, AND TEMPORARY DITCH CHECKS FOR PIPE PROTECTION. THE USE OF STRAW BALES FOR PIPE PROTECTION SHALL NOT BE ALLOWED.
3. ALL ESC MEASURES SHOULD BE CHECKED WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOWMELT.
4. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
5. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN CONTRACTOR AND DEKALB COUNTY.
6. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY SEEDING HAS BEEN COMPLETED.



STONE RIPRAP, CLASS A3 DETAIL
(NOT TO SCALE)



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- STONE RIPRAP AND FILTER FABRIC
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY EROSION CONTROL BLANKET SEEDING CLASS 2A
- HEAVY DUTY EROSION CONTROL BLANKET

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DRAWN - JRS	REVISIONS -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - EDH	REVISED -
PLOT DATE = 2/28/2019	DATE - 02/28/2019	REVISED -

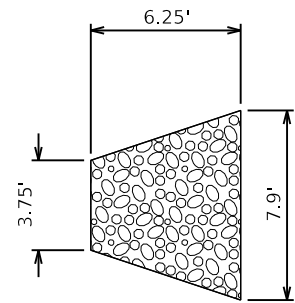
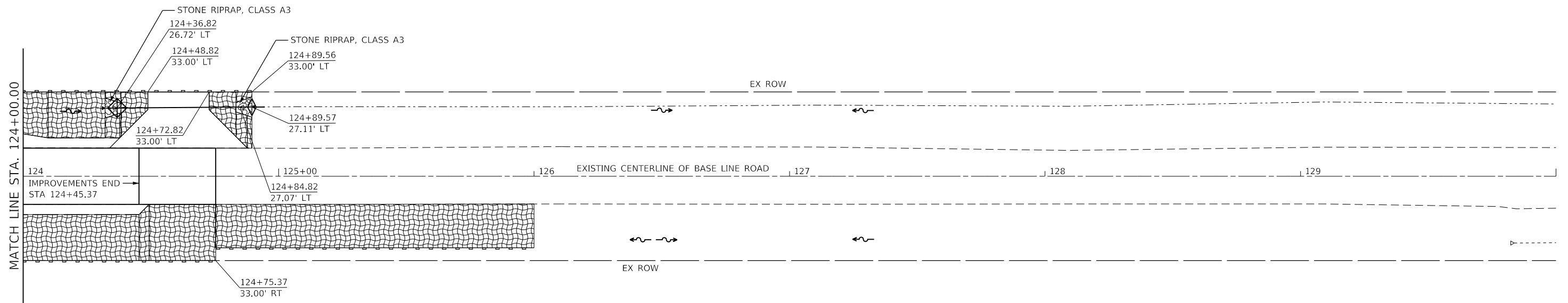
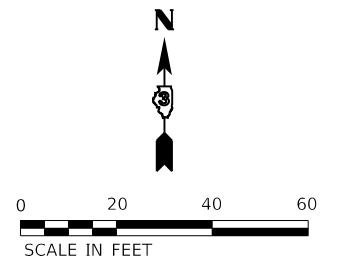
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BASE LINE ROAD EROSION AND SEDIMENT CONTROL	
SCALE: 1"=20'	SHEET 1 OF 3 SHEETS STA. TO STA. 118+00.00

F.A. TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-01622-00-BR	DEKALB	38	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87689	

EROSION CONTROL GENERAL NOTES

1. PROPOSED PIPE CULVERTS RECEIVING RUNOFF SHALL BE PROTECTED WITH INLET AND PIPE PROTECTION IMMEDIATELY AFTER CONSTRUCTION.
2. FOR INLET AND PIPE PROTECTION, USE A COMBINATION OF TEMPORARY SEED, EROSION CONTROL BLANKET, AND TEMPORARY DITCH CHECKS FOR PIPE PROTECTION. THE USE OF STRAW BALES FOR PIPE PROTECTION SHALL NOT BE ALLOWED.
3. ALL ESC MEASURES SHOULD BE CHECKED WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOWMELT.
4. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
5. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN CONTRACTOR AND DEKALB COUNTY.
6. TEMPORARY EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY SEEDING HAS BEEN COMPLETED.



STONE RIPRAP, CLASS A3 DETAIL

(NOT TO SCALE)

LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- STONE RIPRAP AND FILTER FABRIC
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY EROSION CONTROL BLANKET
- SEEDING CLASS 2A
- HEAVY DUTY EROSION CONTROL BLANKET

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED - JRS	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - JRS	REVISED -
PLOT DATE = 2/28/2019	CHECKED - EDH	REVISED -
	DATE - 02/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BASE LINE ROAD
EROSION AND SEDIMENT CONTROL**

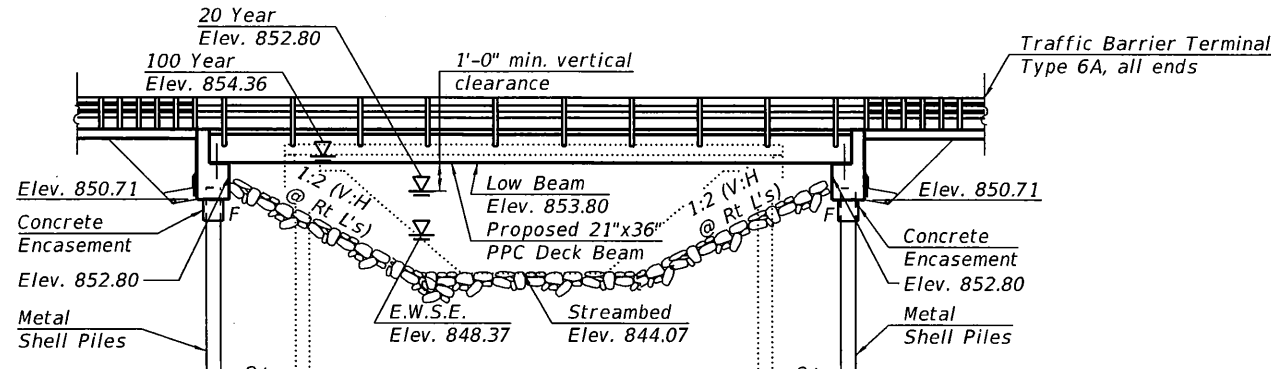
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F.A. TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-01622-00-BR	DEKALB	38	16
CONTRACT NO. 87689			ILLINOIS FED. AID PROJECT	

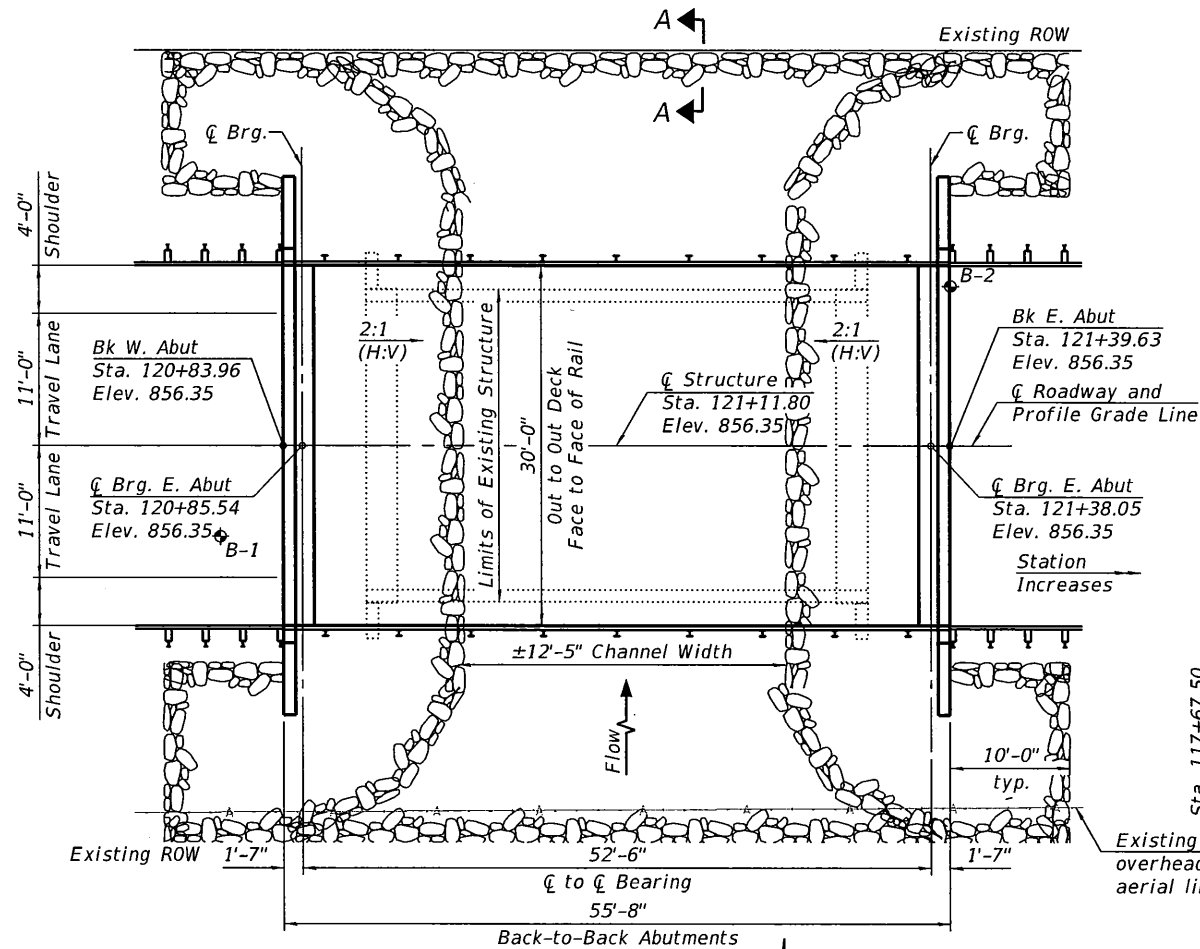
Benchmark: No. 1 set railroad spike in north face of first power pole west of Coon Creek bridge on the south side of roadway. Elev. 853.65.
 No. 2 set railroad spike in north face of second power pole east of Coon Creek bridge on the south side of roadway. Elev. 854.15

Existing Structure: Structure Number 019-4203, TR 61 (Base Line Road), Station 121+11.80 was built in 1960 as the Base Line Road Bridge over Coon Creek, DeKalb County. The superstructure consists of 21-inch deep simply supported precast concrete deck beams with a bituminous wearing surface. The structure length of the single span bridge is 44'-0" and a deck width of 26'-0". The superstructure is supported on reinforced cast-in-place concrete stub abutments on timber piles.

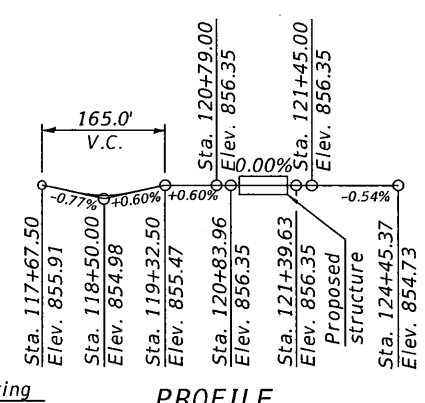
Traffic Control: Detour.
 Salvage: None.



ELEVATION



PLAN



PROFILE

WATERWAY INFORMATION

Drainage Area = 12 Square Miles Low Grade Elev. 853.98 @ Sta. 127+09.87

Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	646	165	223	852.06	0.04	0.00	852.10	852.03
Base	20	790	193	260	852.85	0.00	0.00	852.85	852.80
Scour Design Check	100	1120	228	313	853.77	0.77	0.59	854.54	854.36
Overtopping (Ex. and Pr.)	200	1271	228	313	853.80	1.04	0.84	854.84	854.64
	100	1120	228	313	853.77	0.77	0.59	854.54	854.36

DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elevations (ft.)		
	State	W. Abut.	E. Abut. Item 113
Design	850.71	850.71	8
Check	850.71	850.71	

SCOPE OF WORK

1. Remove Existing Structure.
2. Install Proposed Abutments and Wingwalls.
3. Install Proposed PPC Deck Beams and Concrete Wearing Surface.
4. Install Proposed Type SM Railing.
5. Install Proposed Riprap.

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 General Details
- 3 Superstructure
- 4 Superstructure Details
- 5 Steel Railing, Type SM with Concrete Wearing Surface
- 6 21"x36" PPC Deck Beam
- 7 21"x36" PPC Deck Beam Details
- 8 Abutments
- 9 Metal Shell Pile Details
- 10-11 Soil Borings

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated. Concrete Sealer shall be applied to the designated areas of the abutments. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

BASE LINE ROAD OVER COON CREEK
 BUILT 2019 BY
 DEKALB COUNTY
 SEC. 14-06122-00-BR
 STATION 121+11.80
 STR NO. 019-4213 HL-93 LOADING

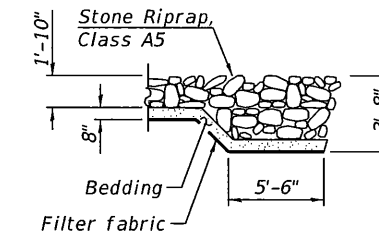
NAME PLATE
 See Std. 515001

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.098
 Design Spectral Acceleration at 0.2 sec. (SDS) = 0.152
 Soil Site Class = D



SECTION A-A

CERTIFICATION STATEMENT

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

DESIGN SPECIFICATIONS

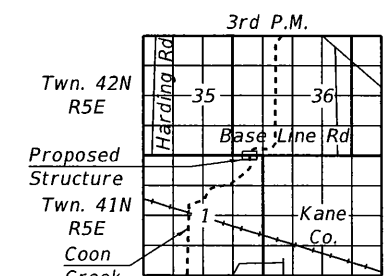
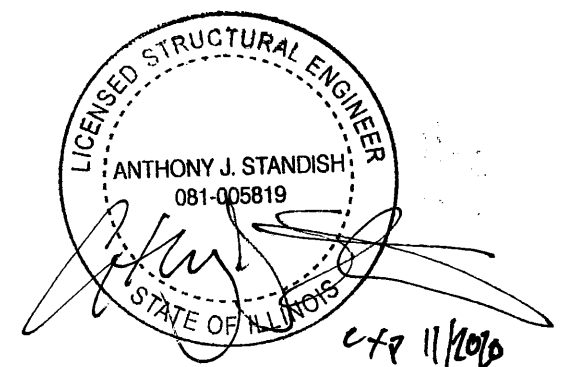
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

DESIGN STRESSES

FIELD UNITS
 f'c = 3,500 psi
 f'c = 5,000 psi (Concrete Wearing Surface)
 fy = 60,000 psi (Reinforcement)
 fy = 50,000 psi (M270 Grade 50)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
 f'ci = 5,000 psi
 fpu = 270,000 psi (1/2" low lax. strands)
 fpbt = 201,960 psi (1/2" low lax. strands)

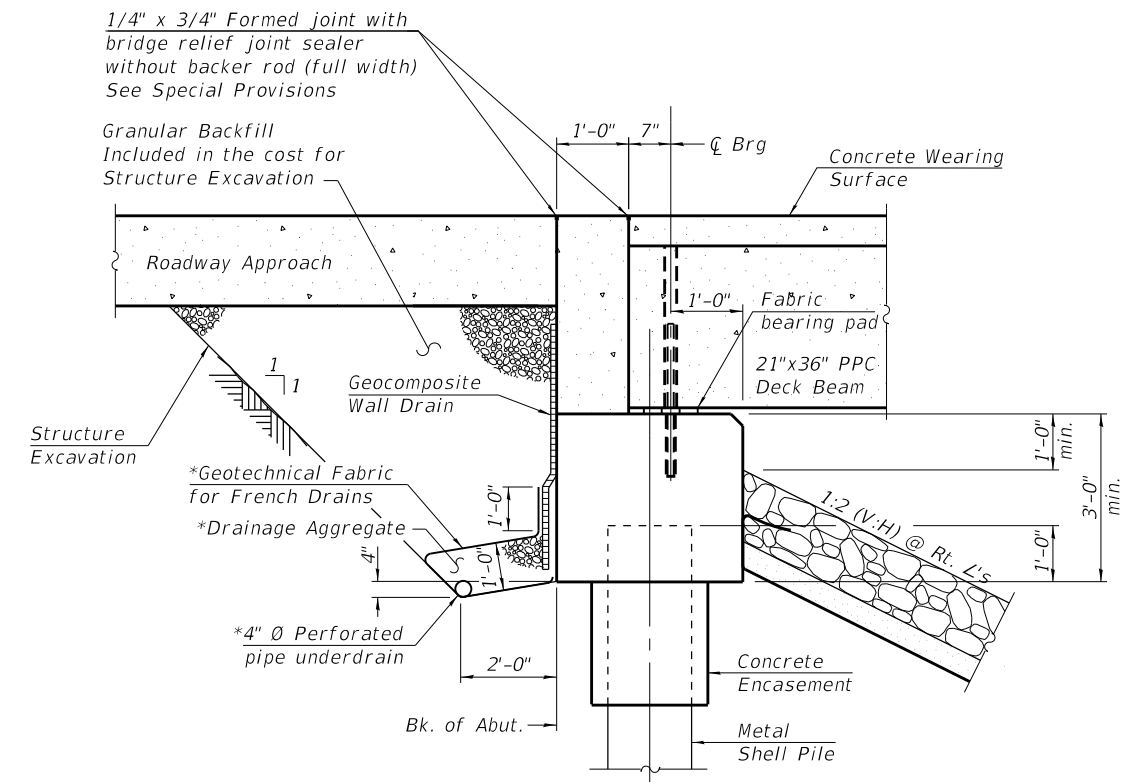


LOCATION SKETCH

GENERAL PLAN
 BASE LINE ROAD OVER COON CREEK
 F.A.P. TR 61 SECTION 14-06122-00-BR
 DEKALB COUNTY
 STATION 121+11.80
 S.N. 019-4213

FILE NAME = \\strandcom\projects\JUL\60908--6899\6094\084\Drawings\CAD\Micro-SSA\CAD_Sheets\012345-SN-019-4213-001-GPE.dgn

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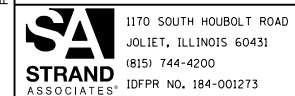
SECTION THRU ABUTMENT
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.
(See Special Provisions)

Note:
All drainage system components shall extend 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).
Provide a 1'-6" Riprap Berm on West and East Abutment.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq Yd		484	484
Filter Fabric	Sq Yd		484	484
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu Yd		67	67
Concrete Structures	Cu Yd		29	29
Bridge Deck Grooving	Sq Yd	174		174
Concrete Encasement	Cu Yd		7	7
Protective Coat	Sq Yd	186		186
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq Ft	1,611		1,611
Reinforcement Bars, Epoxy Coated	Pound	2,370	3,650	6,020
Steel Railing, Type SM	Foot	108		108
Furnishing Metal Shell Piles 14" X 0.250"	Foot		360	360
Driving Piles	Foot		360	360
Test Pile Metal Shells	Each		2	2
Name Plates	Each	1		1
Concrete Wearing Surface, 5"	Sq Yd	179		179
Pipe Underdrains For Structures 4"	Foot		132	132

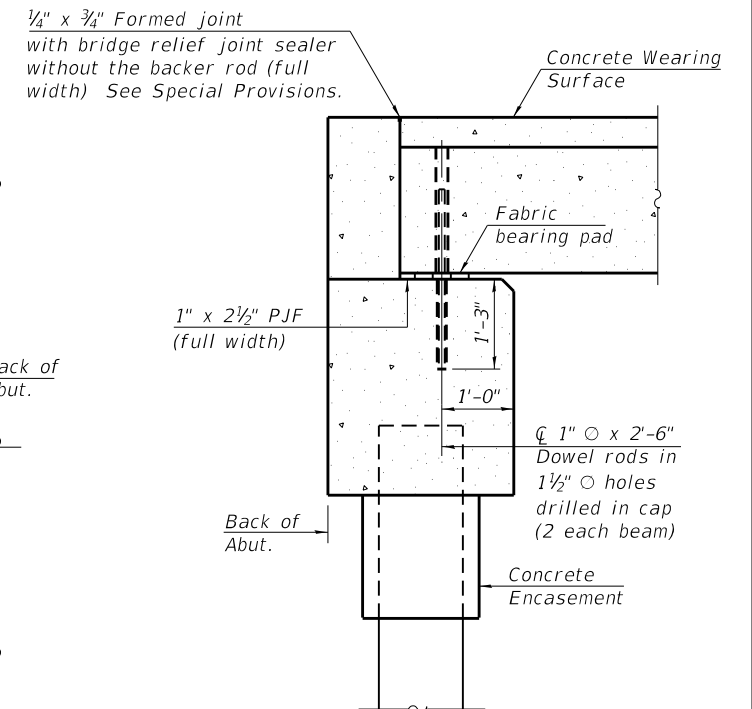
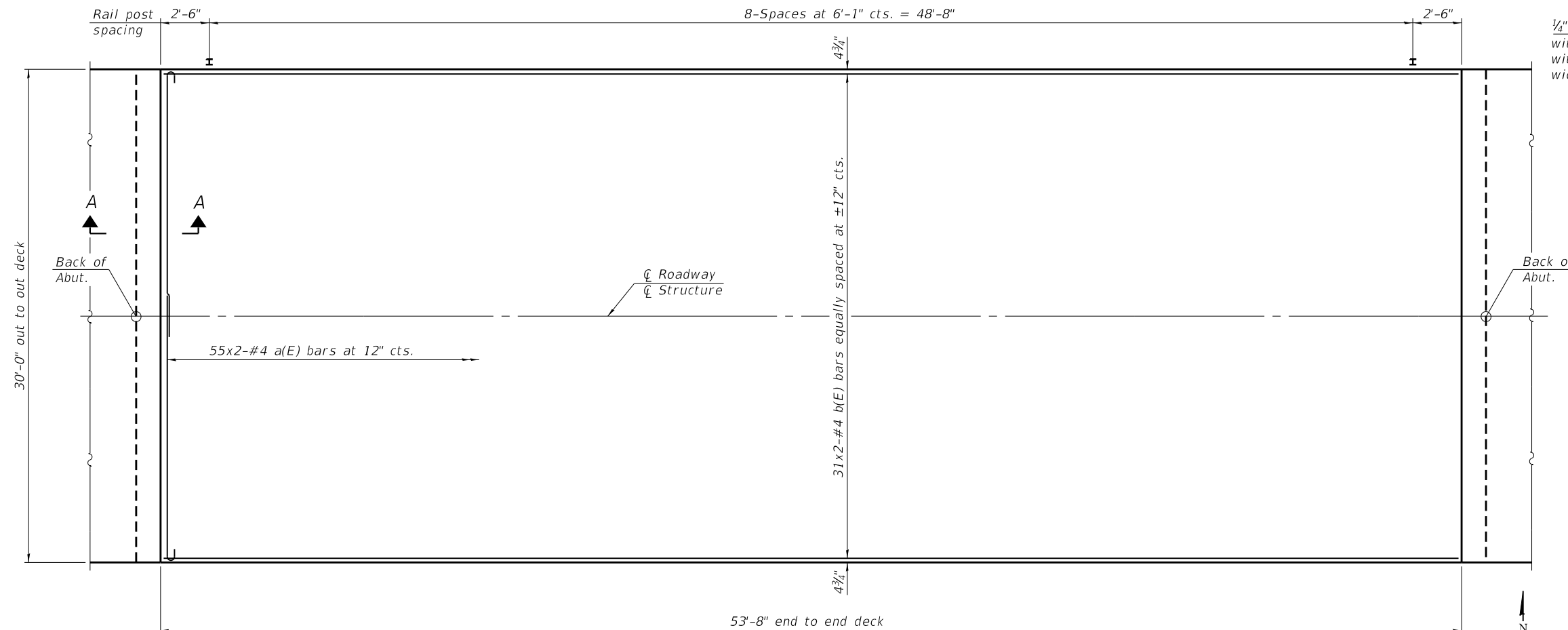


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PLOT SCALE =	DRAWN - BJF	REVISED -
PLOT DATE = 3/25/2019	CHECKED - AJS	REVISED -

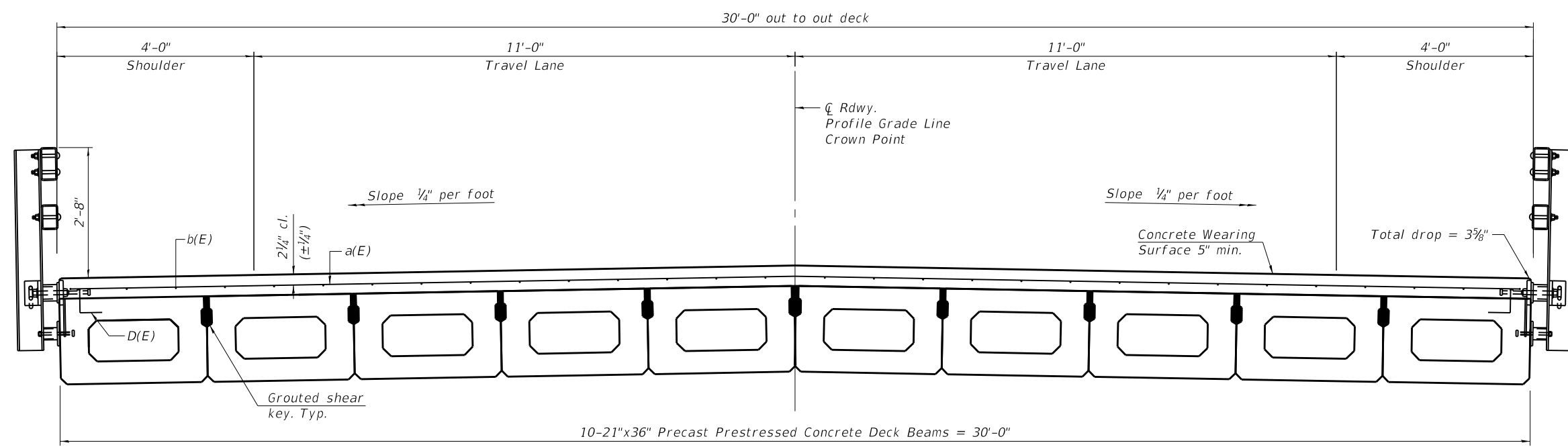
DEKALB COUNTY
DIVISION OF DEPARTMENT OF TRANSPORTATION

GENERAL DETAILS
STRUCTURE NO. 019-4213
SHEET NO. 2 OF 11 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	18
			CONTRACT NO. 87689	
ILLINOIS FED. AID PROJECT				



Notes:
 All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
 See sheet of for fabric bearing pad details.

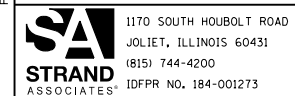


Notes:
 See sheet 4 of 11 for Superstructure Details and Bill of Material.
 Bars indicated thus 20 x 2-#4 etc. indicates 20 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
 #4 bar = 2'-2"

FILE NAME = \\strand.com\projects\10166000-6099\6094\084\Drawings\CAD\Micros-SSA\CAD_Sheets\012345-SN-019-4213-003-SUP.dgn

PDS-S-R34-0 2-17-2017



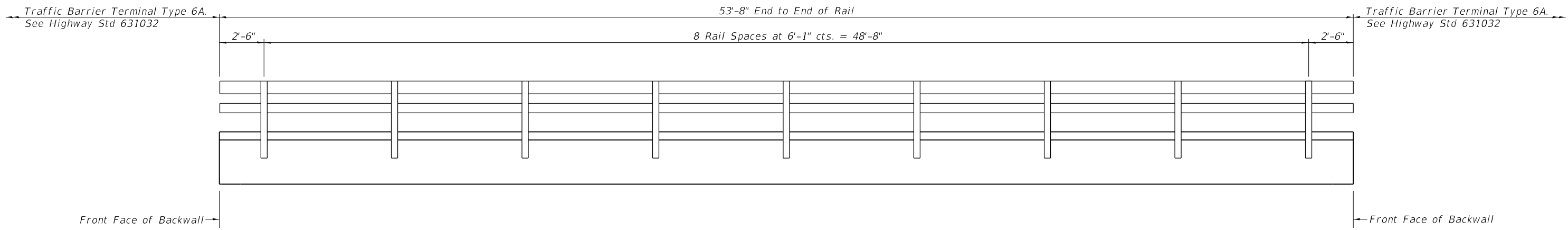
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		DRAWN - BJF	REVISIONS
		CHECKED - AJS	REVISIONS
	PLOT DATE = 3/25/2019		

DEKALB COUNTY
 DIVISION OF DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
 STRUCTURE NO. 019-4213
 SHEET NO. 3 OF 11 SHEETS

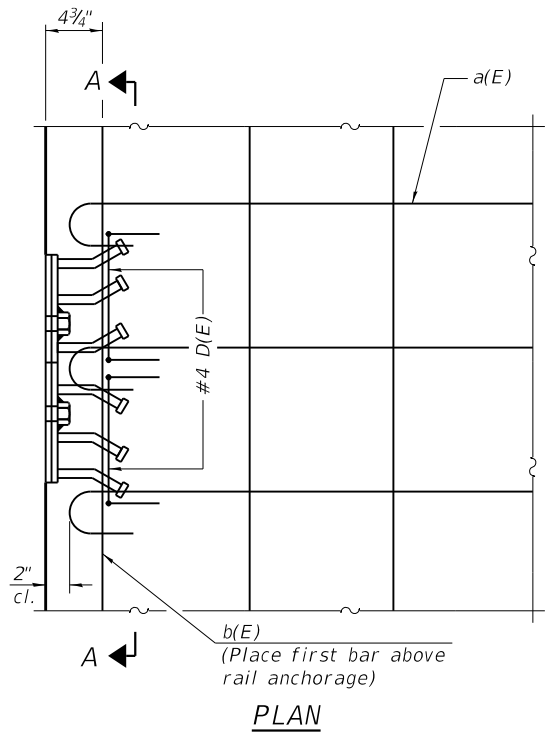
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CONTRACT NO. 87689				

ILLINOIS FED. AID PROJECT



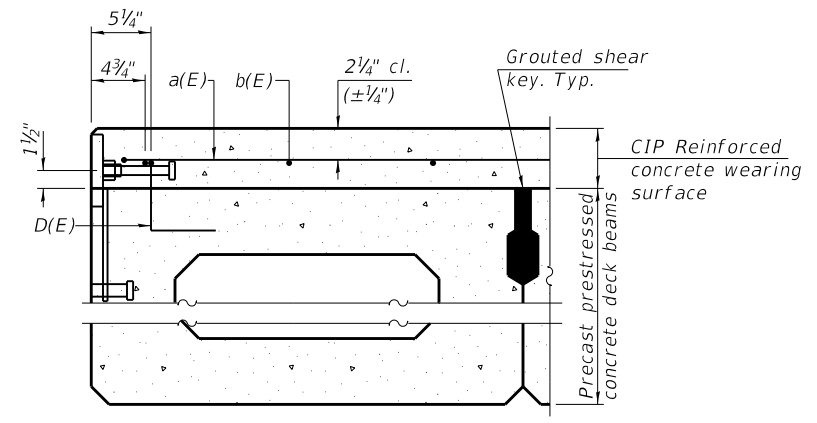
ELEVATION

Notes:
See Sheet 5 of 11 for Railing Details.

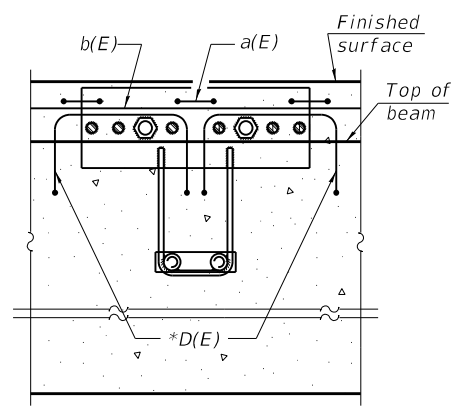


PLAN

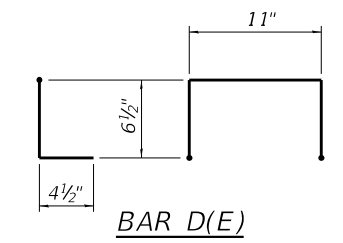
Notes:
Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam.



SECTION THRU FASCIA BEAM

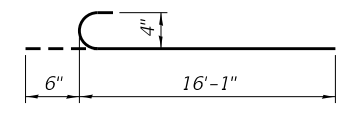


SECTION A-A

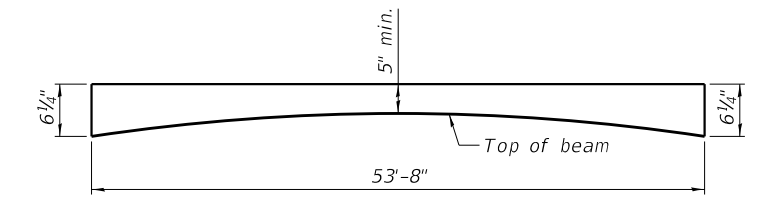


BAR D(E)

* Place 2-#4 D(E) bars in beam at each post location as shown. D(E) bar included in cost of beam.



BAR a(E)



ANTICIPATED CONCRETE WEARING SURFACE PROFILE
(For information only)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	110	#4	16'-7"	
b(E)	62	#4	27'-9"	
Reinforcement Bars, Epoxy Coated		Pound	2,370	
Concrete Wearing Surface, 5"		Sq. Yd.	179	

Bars indicated thus 1 x -#4 etc. indicates 1 line of bars with lengths per line.

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PDS-S-R34-D 2-17-2017

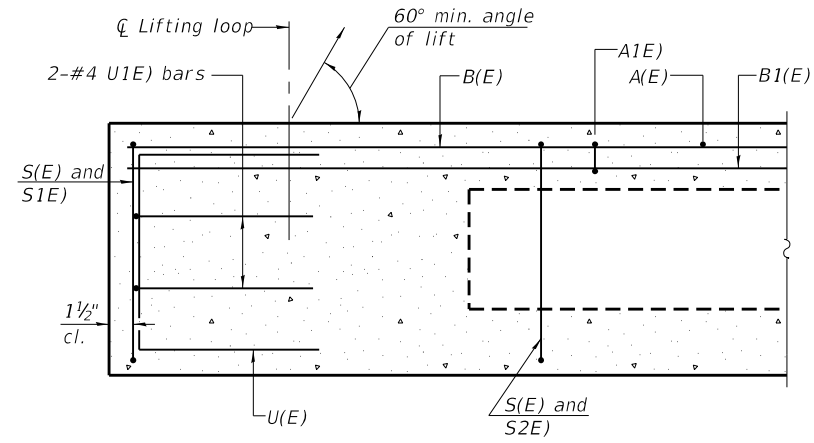


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DEKALB COUNTY
DIVISION OF DEPARTMENT OF TRANSPORTATION

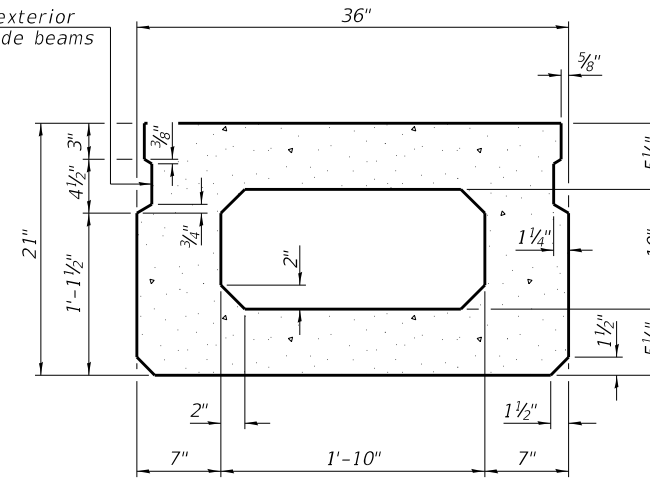
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 019-4213
SHEET NO. 4 OF 11 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 87689				
ILLINOIS FED. AID PROJECT				

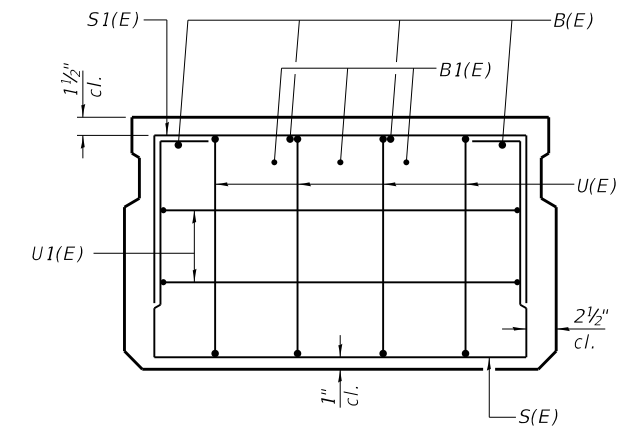


SECTION A-A

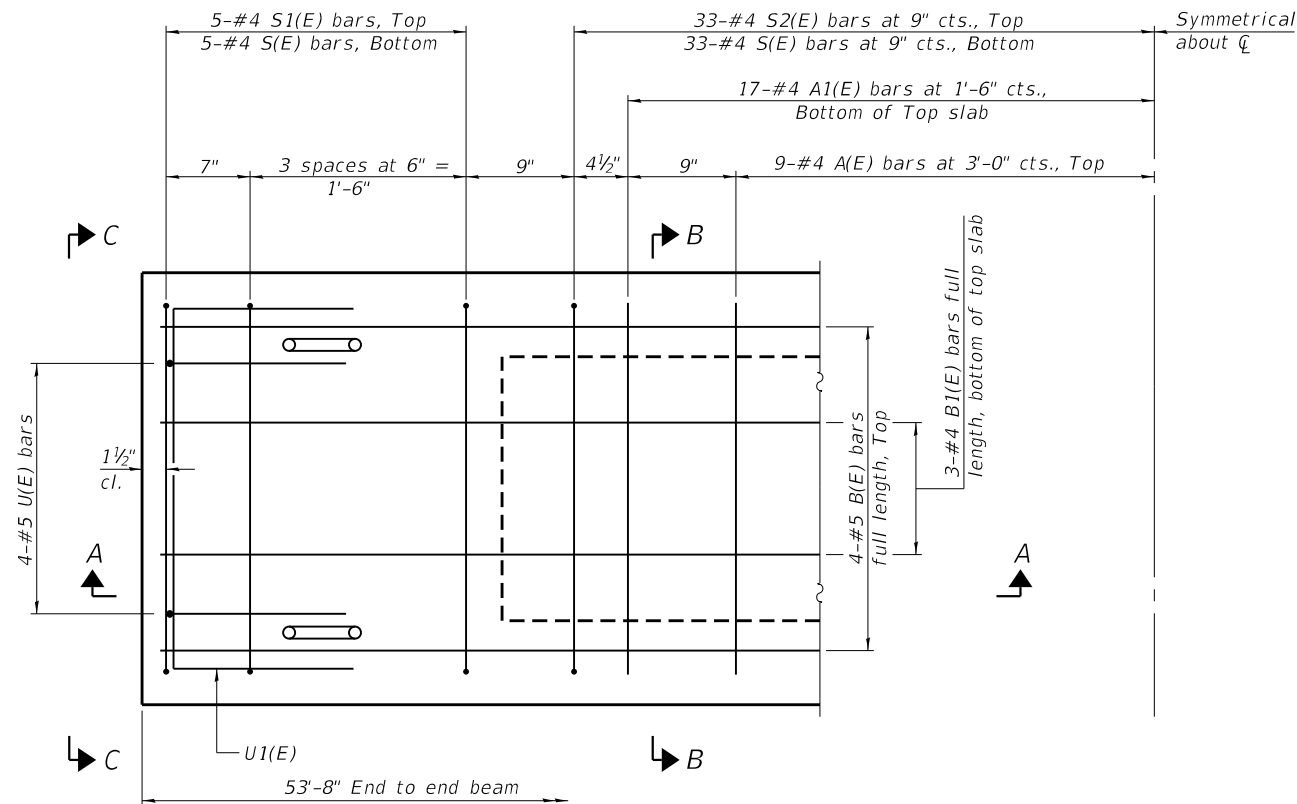
Omit key on exterior face of outside beams



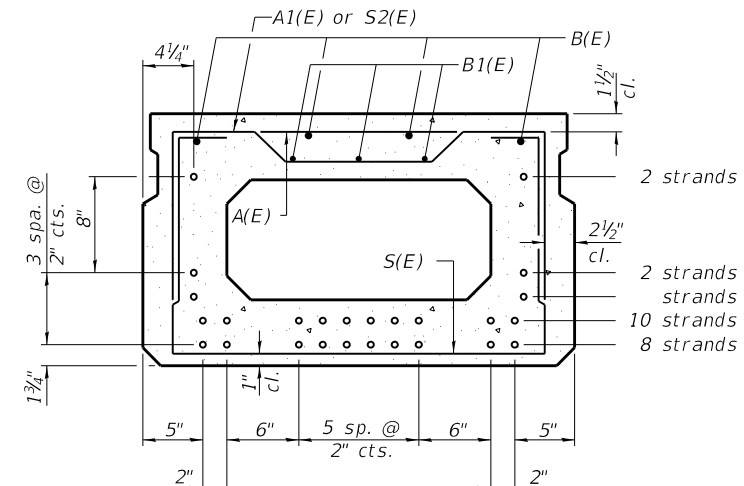
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



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)	18	#4	2'-7"	—
A1(E)	34	#4	2'-10"	~
B(E)	4	#5	53'-4"	—
B1(E)	3	#4	53'-4"	—
S(E)	76	#4	6'-5"	⌋
S1(E)	10	#4	4'-11"	⌋
S2(E)	66	#4	5'-2"	⌋
U(E)	8	#5	4'-0"	⌋
U1(E)	4	#4	5'-0"	⌋

Note:
See sheet 7 of 11 for additional details and Bill of Material.

Note: Spacing of S(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.

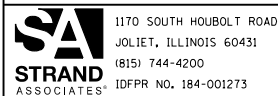
MINIMUM BAR LAP

#4 bar = 1'-11"
#5 bar = 2'-6"

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PD-2136-0

2-17-2017



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

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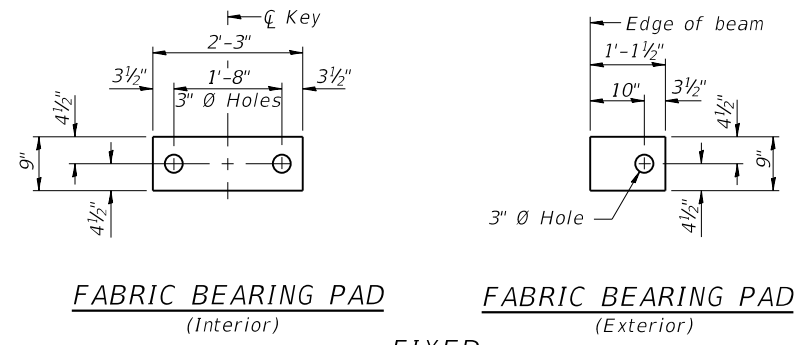
DEKALB COUNTY
DIVISION OF DEPARTMENT OF TRANSPORTATION

21" x 36" PPC DECK BEAM
STRUCTURE NO. 019-4213

SHEET NO. 6 OF 11 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	22
CONTRACT NO. 87689				

ILLINOIS FED. AID PROJECT

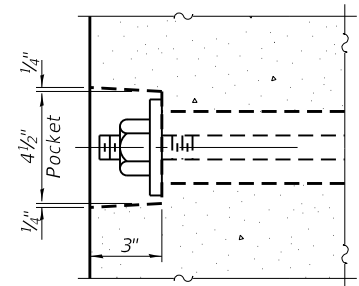


FABRIC BEARING PAD
(Interior)

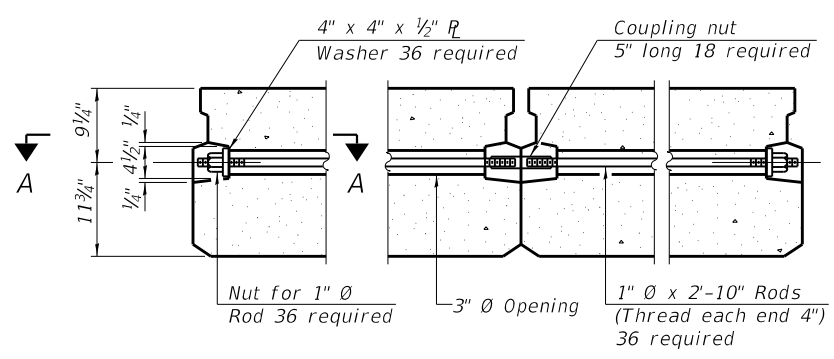
FABRIC BEARING PAD
(Exterior)

FIXED

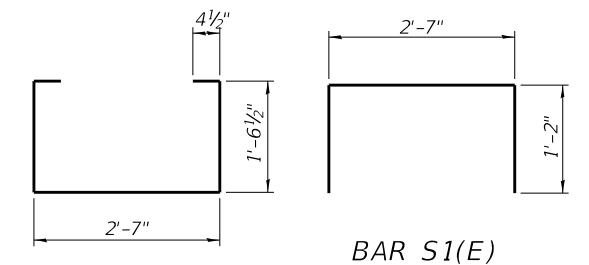
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A

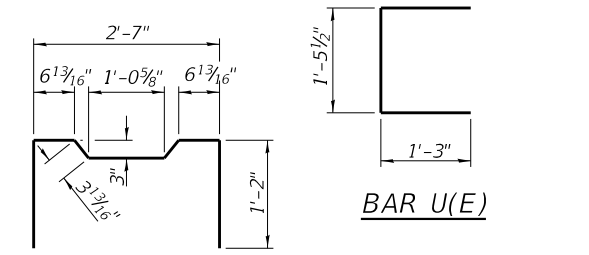


TYPICAL TRANSVERSE TIE ASSEMBLY



BAR S(E)

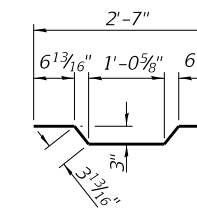
BAR S1(E)



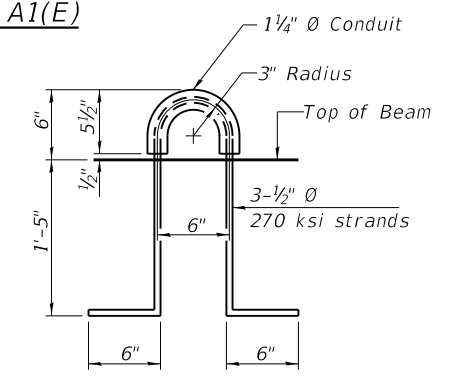
BAR U(E)

BAR U1(E)

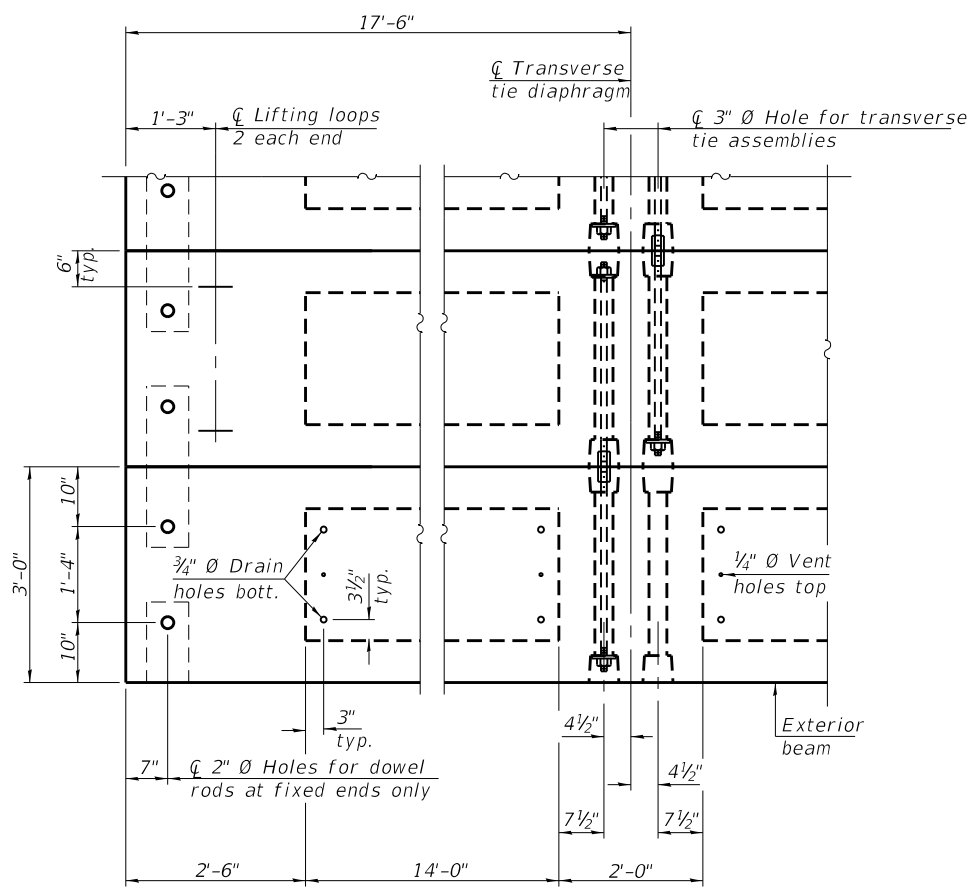
BAR S2(E)



BAR A1(E)



LIFTING LOOP DETAIL



PLAN VIEW

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. 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)(10) and 1021.07 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.

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

BILL OF MATERIAL

Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1,611
---	---------	-------

PD-2136-0D 2-17-2017



USER NAME = JdkSc	DESIGNED - MJD	REVISED -
PLOT SCALE =	CHECKED - BRL	REVISED -
PLOT DATE = 3/25/2019	DRAWN - BJF	REVISED -
	CHECKED - AJS	REVISED -

DEKALB COUNTY
DIVISION OF DEPARTMENT OF TRANSPORTATION

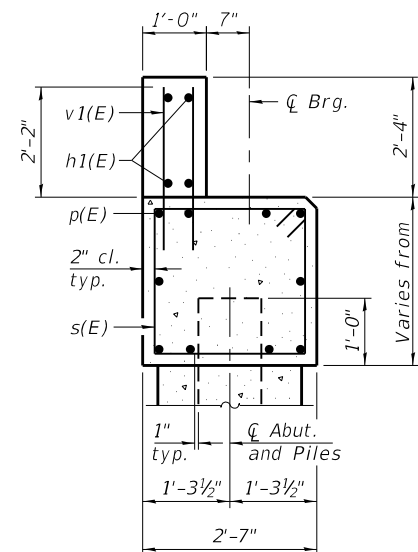
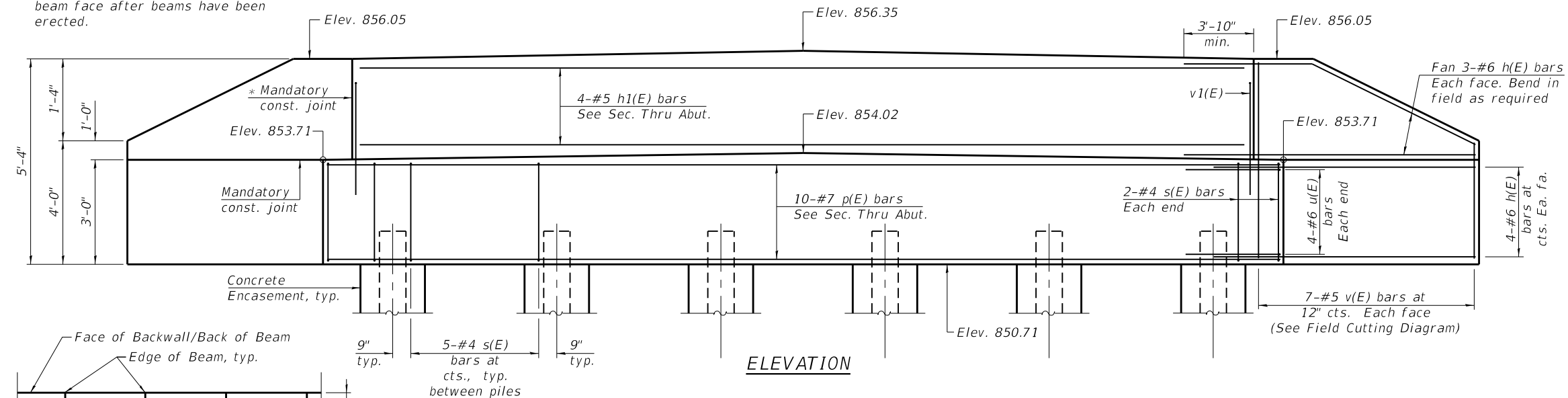
21" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 019-4213
SHEET NO. 7 OF 11 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 87689				

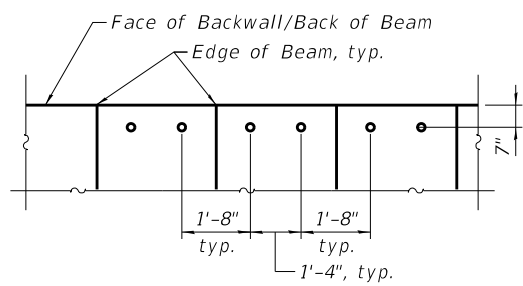
ILLINOIS FED. AID PROJECT

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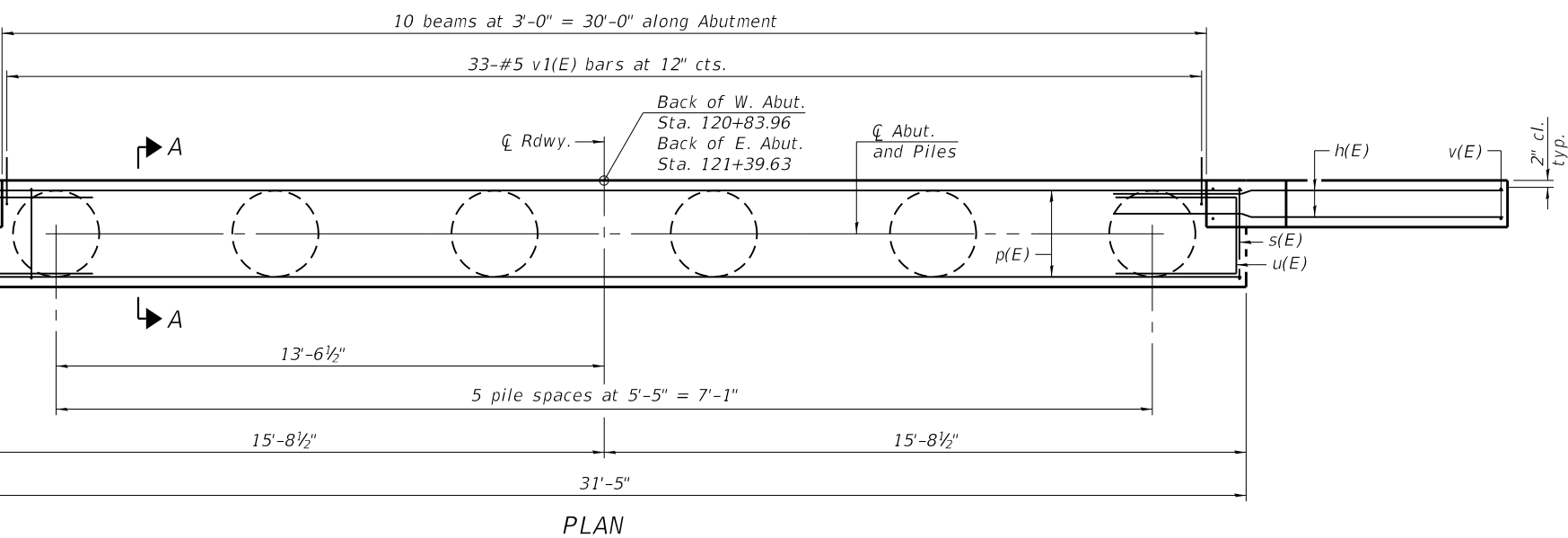
* Cast top of wingwall flush with exterior beam face after beams have been erected.



SECTION A-A



DOWEL ROD LOCATION SKETCH



PLAN

BILL OF MATERIAL

Two Abutments

Bar	No.	Size	Length	Shape
h(E)	40	#6	10'-10"	—
h1(E)	8	#5	31'-1"	—
p(E)	20	#7	31'-1"	—
s(E)	58	#4	10'-3"	□
u(E)	16	#6	9'-10"	□
v(E)	28	#5	7'-8"	—
v1(E)	132	#5	4'-5"	—
Structure Excavation		Cu. Yd.	67	
Concrete Structures		Cu. Yd.	29	
Reinforcement Bars, Epoxy Coated		Pound	3,650	
Furnishing Metal Shell Piles 14"x0.250"		Foot	360	
Driving Piles		Foot	360	
Test Pile Metal Shell		Each	2	
Concrete Encasement		Cu. Yd.	7	

For details of piles and Concrete Encasement, see sheet 9 of 11.

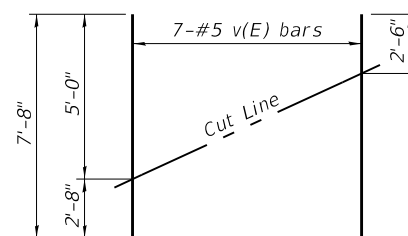
PILE DATA

West Abutment

Type: Metal Shell 14"Øx0.25"
 Nominal Required Bearing: 413 Kips
 Factored Resistance Available: 125 Kips
 Est. Length: 35
 No. Production Piles: 5
 No. Test Piles: 1

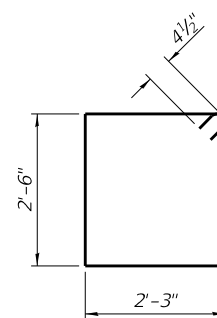
East Abutment

Type: Metal Shell 14"Øx0.25"
 Nominal Required Bearing: 413 Kips
 Factored Resistance Available: 123 Kips
 Est. Length: 35
 No. Production Piles: 5
 No. Test Piles: 1

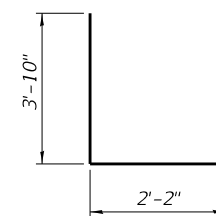


FIELD CUTTING DIAGRAM

Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s(E)

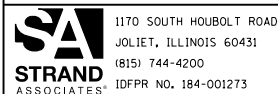


BAR u(E)

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AD-1721-0

2-17-2017



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPR NO. 184-001273

USER NAME =	JdkSc	DESIGNED -	MJD	REVISED -	
PLOT SCALE =		CHECKED -	BRL	REVISED -	
PLOT DATE =	3/25/2019	DRAWN -	BJF	REVISED -	
		CHECKED -	AJS	REVISED -	

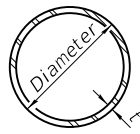
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CHECKED -	BRL	REVISED -	
DRAWN -	BJF	REVISED -	
CHECKED -	AJS	REVISED -	

DEKALB COUNTY
 DIVISION OF DEPARTMENT OF TRANSPORTATION

ABUTMENT
 STRUCTURE NO. 019-4213
 SHEET NO. 8 OF 11 SHEETS

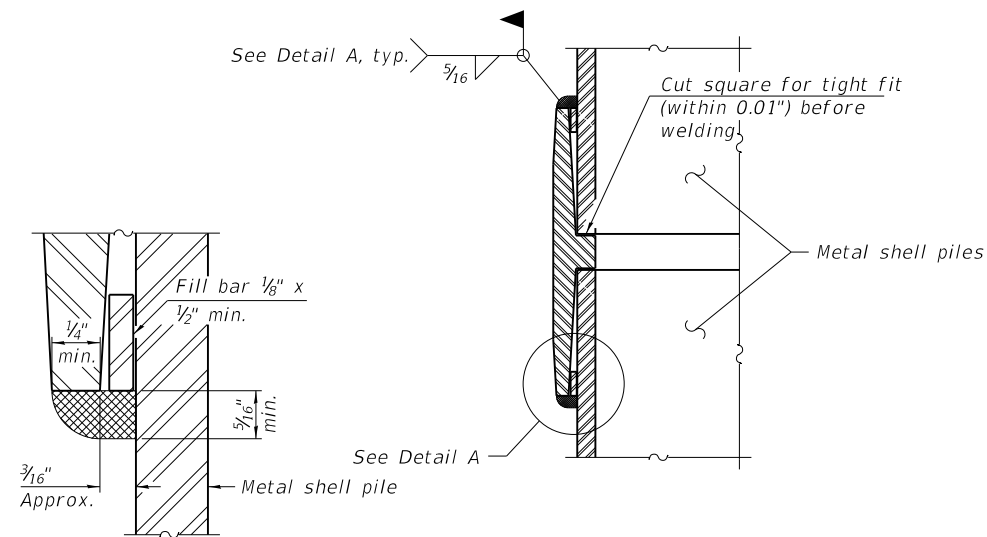
TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	24
CONTRACT NO. 87689				

ILLINOIS FED. AID PROJECT

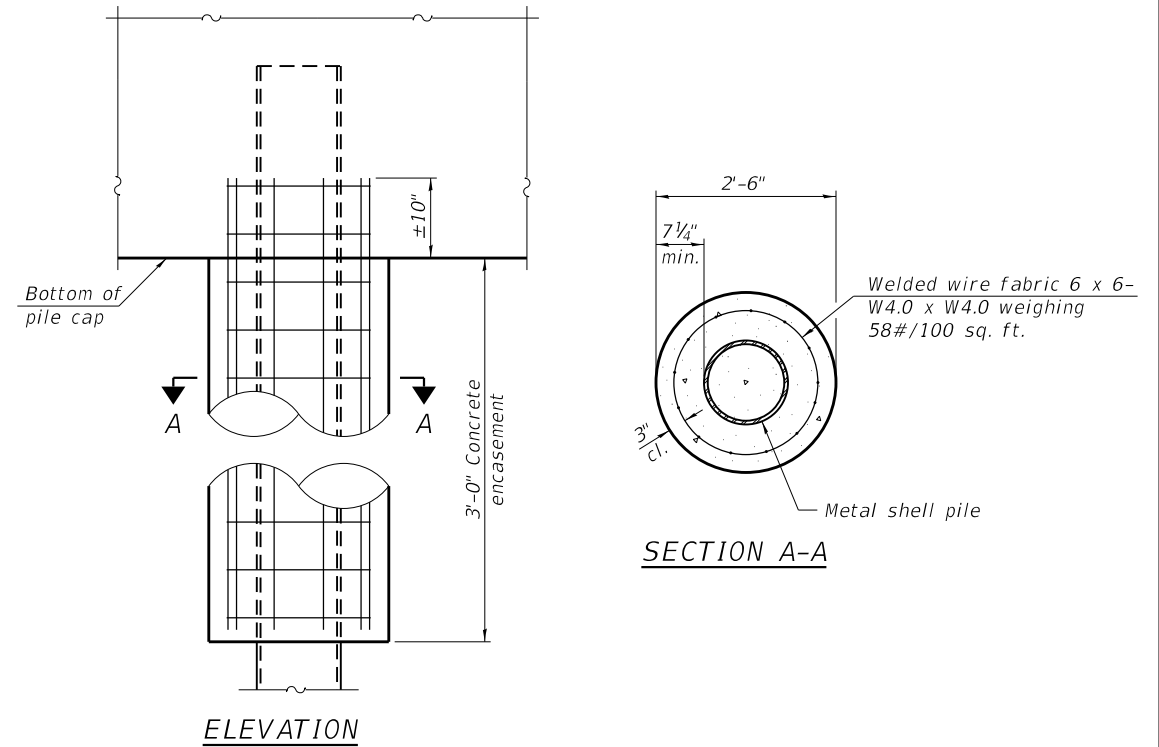


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



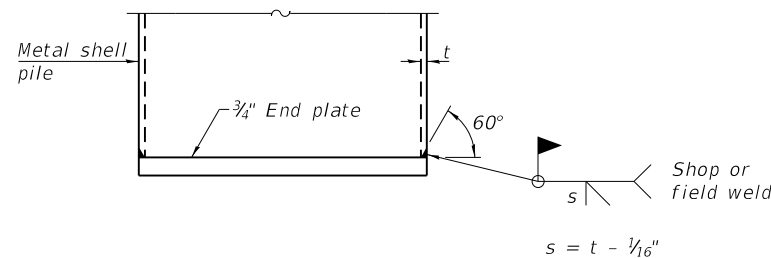
DETAIL A



ELEVATION

SECTION A-A

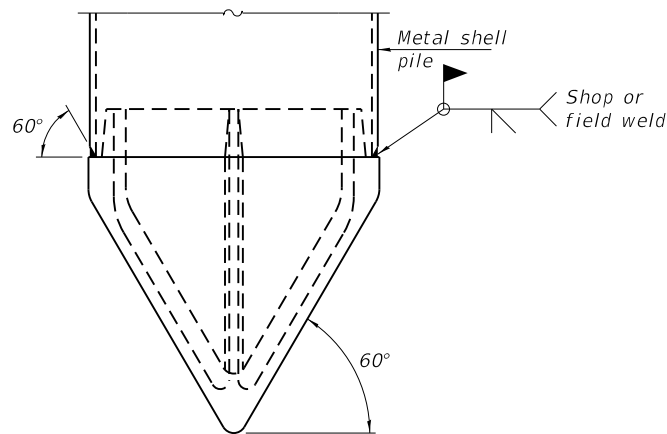
INDIVIDUAL PILE CONCRETE ENCASEMENT AT ABUTMENTS



END PLATE ATTACHMENT

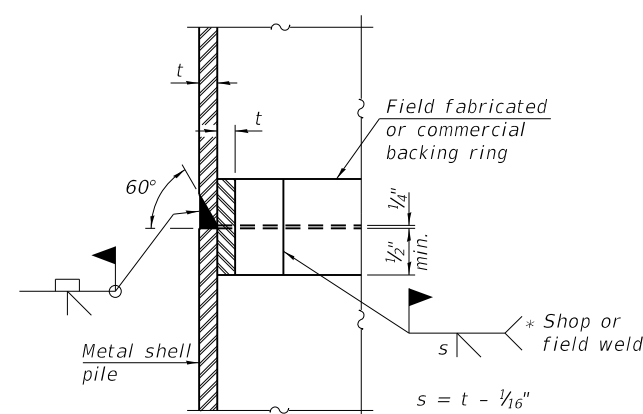
WELDED COMMERCIAL SPLICE

Notes:
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
 Pile segments shall be driven to solid contact with splicer before welding.



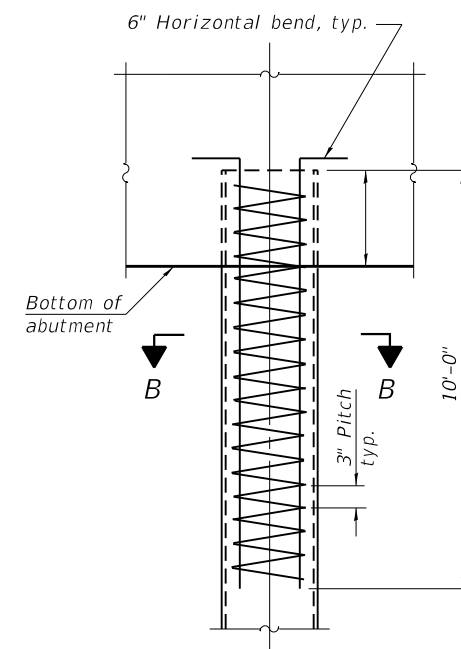
PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

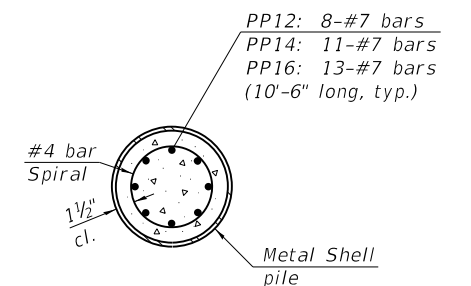


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile steel by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



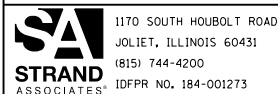
SECTION B-B

REINFORCEMENT AT ABUTMENTS

Note:
 The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

8-11-2017

FILE NAME = \\strand.com\projects\101_60000-60000-60000-60000\CAD\Microst-SSA\CAD_Sheets\012345-SN-019-4213-0091-PILE.dgn



USER NAME = JdkSc	DESIGNED - MJD	REVISED -
PLOT SCALE =	CHECKED - BRL	REVISED -
PLOT DATE = 3/25/2019	DRAWN - BJF	REVISED -
	CHECKED - AJS	REVISED -

**DEKALB COUNTY
 DIVISION OF DEPARTMENT OF TRANSPORTATION**

**METAL SHELL PILE DETAILS
 STRUCTURE NO. 019-4213**

SHEET NO. 9 OF 11 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	25
CONTRACT NO. 87689				

ILLINOIS FED. AID PROJECT



Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING B-01

Sheet 1 of 2

Rubino Job No.: G18.138	Drilling Method: 3 1/4" Hollow Stem Auger	WATER LEVELS	
Project: Base Line Road Bridge	Sampling Method: Split Spoon	While Drilling	11 FT
Location: Base Line Road over Coon Creek	Hammer Type: Automatic	Upon Completion	N/A N/A
City, State: Genoa, Illinois	Boring Location: West of Bridge, South of Base Line Road	Delay	N/A
Client: Strand Associates Inc.			

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA	Additional Remarks
855	0					Surface Elev.: 855.73 ft	Approximately 6 inches of ASPHALT Approximately 8 inches of GRAVEL BASE Very soft to medium stiff, brown to black silty CLAY, little sand and gravel *Possible Fill	CL	1,1,1 N=2	21	⊗	
850	5						Very soft to medium stiff, brown and gray mottled SILTY CLAY LOAM	CL	0,1,1 N=2	28	⊗ *	Qp=1.5 tsf
845	10						Loose, brown SAND, little gravel	SW	0,1,3 N=4	23	⊗	
840	15						Medium stiff to very stiff, pinkish-gray SILTY CLAY LOAM	CL	4,3,4 N=7	13	⊗	
835	20							CL	2,3,4 N=5	10	⊗	
830	25							CL	2,3,4 N=7	12	⊗	
								SW	4,5,6 N=11	14	⊗	
								CL	3,4,5 N=9	13	⊗ *	Qp=2.3 tsf
								CL	3,4,4 N=8	12	⊗ *	Qp=1.9 tsf
								CL	4,4,5 N=9		⊗ *	Qp=1.9 tsf
								CL	4,4,7 N=11	13	⊗ *	Qp=2.6 tsf

Continued Next Page

Completion Depth: 50.0 ft	Sample Types:	Latitude: 42.066481°
Date Boring Started: 12/6/18	Auger Cutting	Longitude: -88.607106°
Date Boring Completed: 12/6/18	Shelby Tube	Drill Rig: Geoprobe 7822DT
Logged By: A.T.	Split-Spoon	Remarks: Water added during drilling to combat heaving sands.
Drilling Contractor: Rubino Engineering, Inc.	Hand Auger	
	Rock Core	
	Direct Push	

The stratification lines represent approximate boundaries. The transition may be gradual.



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LOG OF BORING B-01

Sheet 2 of 2

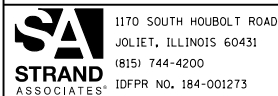
Rubino Job No.: G18.138	Drilling Method: 3 1/4" Hollow Stem Auger	WATER LEVELS	
Project: Base Line Road Bridge	Sampling Method: Split Spoon	While Drilling	11 FT
Location: Base Line Road over Coon Creek	Hammer Type: Automatic	Upon Completion	N/A N/A
City, State: Genoa, Illinois	Boring Location: West of Bridge, South of Base Line Road	Delay	N/A
Client: Strand Associates Inc.			

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA	Additional Remarks
825	30						Medium stiff to very stiff, pinkish-gray SILTY CLAY LOAM	CL	4,6,8 N=14	11	⊗ *	Qp=2.5 tsf
820	35							CL	4,5,7 N=12	12	⊗ *	Qp=3.4 tsf
815	40						Color changes to gray at approximately 38 1/2 feet below existing grade	CL	5,6,10 N=16	12	⊗ *	Qp=3.6 tsf
810	45							CL	0,3,3 N=6	22	⊗	
805	50						Loose, gray SAND with gravel Heaving Sands, Blow-in sands, unable to advance augers End of boring at approximately 50 feet below existing grade. No free groundwater observed during drilling operations.	SW				

Completion Depth: 50.0 ft	Sample Types:	Latitude: 42.066481°
Date Boring Started: 12/6/18	Auger Cutting	Longitude: -88.607106°
Date Boring Completed: 12/6/18	Shelby Tube	Drill Rig: Geoprobe 7822DT
Logged By: A.T.	Split-Spoon	Remarks: Water added during drilling to combat heaving sands.
Drilling Contractor: Rubino Engineering, Inc.	Hand Auger	
	Rock Core	
	Direct Push	

The stratification lines represent approximate boundaries. The transition may be gradual.

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1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = JdkSc	DESIGNED - MJD	REVISED -
	PLOT SCALE =	CHECKED - BRL	REVISED -
	PLOT DATE = 3/25/2019	DRAWN - BJF	REVISED -
		CHECKED - AJS	REVISED -

DEKALB COUNTY
DIVISION OF DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 1 OF 2
STRUCTURE NO. 019-4213

SHEET NO. 10 OF 11 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	26
CONTRACT NO. 87689			ILLINOIS FED. AID PROJECT	



Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
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Fax: 847-931-1560

LOG OF BORING B-02

Sheet 1 of 2

Rubino Job No.: G18.138	Drilling Method: 3 1/4" Hollow Stem Auger	WATER LEVELS
Project: Base Line Road Bridge	Sampling Method: Split Spoon	While Drilling 11 FT
Location: Base Line Road over Coon Creek	Hammer Type: Automatic	Upon Completion N/A N/A
City, State: Genoa, Illinois	Boring Location: East of Bridge, North of Base Line Road	Delay N/A
Client: Strand Associates Inc.	19 inches from edge of pavement	

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA	Additional Remarks
855	0					Surface Elev.: 855.24 ft	Approximately 6 inches of ASPHALT Approximately 8 inches of GRAVEL BASE UNDOCUMENTED FILL: Gray gravel					
				1	13		Medium stiff, brown to black silty CLAY, trace sand and gravel *Possible Fill	CL	4,2,2 N=4	25	⊗ * X	Qp=0.7 tsf
				2	14		Soft to medium stiff, brown to gray silty CLAY, trace sand and gravel	CL	1,1,1 N=2	26	⊗ * X	Qp=1.2 tsf
850	5			3	13			CL	0,2,2 N=4	12	⊗ * X	Qp=0.7 tsf
				4	14		Color changes to gray at 8 1/2 feet Loose to medium dense, gray and brown SAND, little gravel		4,4,5 N=9	8	⊗	
845	10			5	8			SW	4,5,4 N=9	10	⊗	
				6	0				7,7,4 N=11	10	⊗	
840	15			7	16		Medium dense, gray GRAVEL, little sand		10,7,8 N=15	12	⊗	
				8	10			GW	3,1,9 N=10	11	⊗	
835	20			9	11		Stiff, grayish brown SILTY CLAY LOAM, trace gravel		3,5,7 N=12	11	⊗ *	Qp=3.2 tsf
				10	15				5,6,9 N=15	11	⊗ *	Qp=3.4 tsf
830	25			11	12				4,6,8 N=14		⊗ *	Qp=2.9 tsf
				12	18				3,6,8 N=14	11	⊗ *	Qp=3.0 tsf

Continued Next Page

Completion Depth: 55.0 ft	Sample Types:	Latitude: 42.0665376
Date Boring Started: 11/15/18	Auger Cutting	Longitude: -88.6068811
Date Boring Completed: 11/16/18	Split-Spoon	Drill Rig: Geoprobe 7822DT
Logged By: J.I.	Rock Core	Remarks: Water added during drilling to combat heaving sands.
Drilling Contractor: Rubino Engineering, Inc.	Shelby Tube	
	Hand Auger	
	Direct Push	

The stratification lines represent approximate boundaries. The transition may be gradual.



Rubino Engineering, Inc.
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Elgin, IL 60123
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Fax: 847-931-1560

LOG OF BORING B-02

Sheet 2 of 2

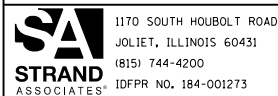
Rubino Job No.: G18.138	Drilling Method: 3 1/4" Hollow Stem Auger	WATER LEVELS
Project: Base Line Road Bridge	Sampling Method: Split Spoon	While Drilling 11 FT
Location: Base Line Road over Coon Creek	Hammer Type: Automatic	Upon Completion N/A N/A
City, State: Genoa, Illinois	Boring Location: East of Bridge, North of Base Line Road	Delay N/A
Client: Strand Associates Inc.	19 inches from edge of pavement	

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	Station: N/A Offset: N/A	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA	Additional Remarks
825	30						Stiff, grayish brown SILTY CLAY LOAM, trace gravel					
				13	11			CL	3,4,8 N=12	12	⊗ *	Qp=3.3 tsf
820	35			14	17				3,6,7 N=13	12	⊗ *	Qp=2.6 tsf
815	40			15	18				3,5,8 N=13	12	⊗ *	Qp=2.3 tsf
810	45			16	0				6,7,8 N=15		⊗	
805	50			17	18		Medium dense, gray SAND, some gravel Heaving Sands, Blow-in sands, unable to advance augers End of boring at approximately 55 feet below existing grade.	SW	5,6,7 N=13	13	⊗	

Completion Depth: 55.0 ft	Sample Types:	Latitude: 42.0665376
Date Boring Started: 11/15/18	Auger Cutting	Longitude: -88.6068811
Date Boring Completed: 11/16/18	Split-Spoon	Drill Rig: Geoprobe 7822DT
Logged By: J.I.	Rock Core	Remarks: Water added during drilling to combat heaving sands.
Drilling Contractor: Rubino Engineering, Inc.	Shelby Tube	
	Hand Auger	
	Direct Push	

The stratification lines represent approximate boundaries. The transition may be gradual.

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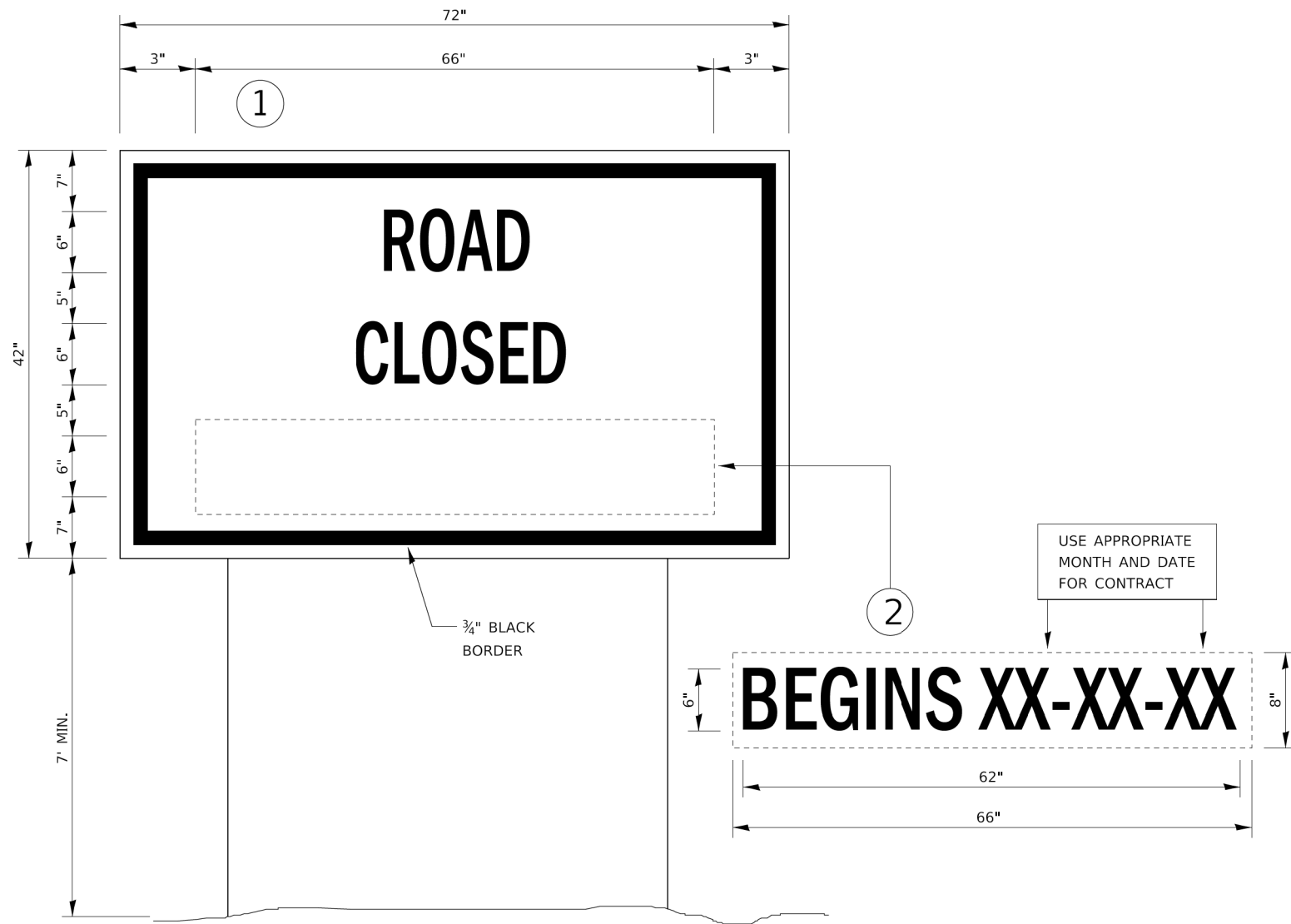
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		CHECKED - A.J.S.	REVISD -

DEKALB COUNTY
DIVISION OF DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 2 OF 2
STRUCTURE NO. 019-4213

SHEET NO. 11 OF 11 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87689	



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE ROAD CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-10

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 STRAND ASSOCIATES



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT 3 DETAILS

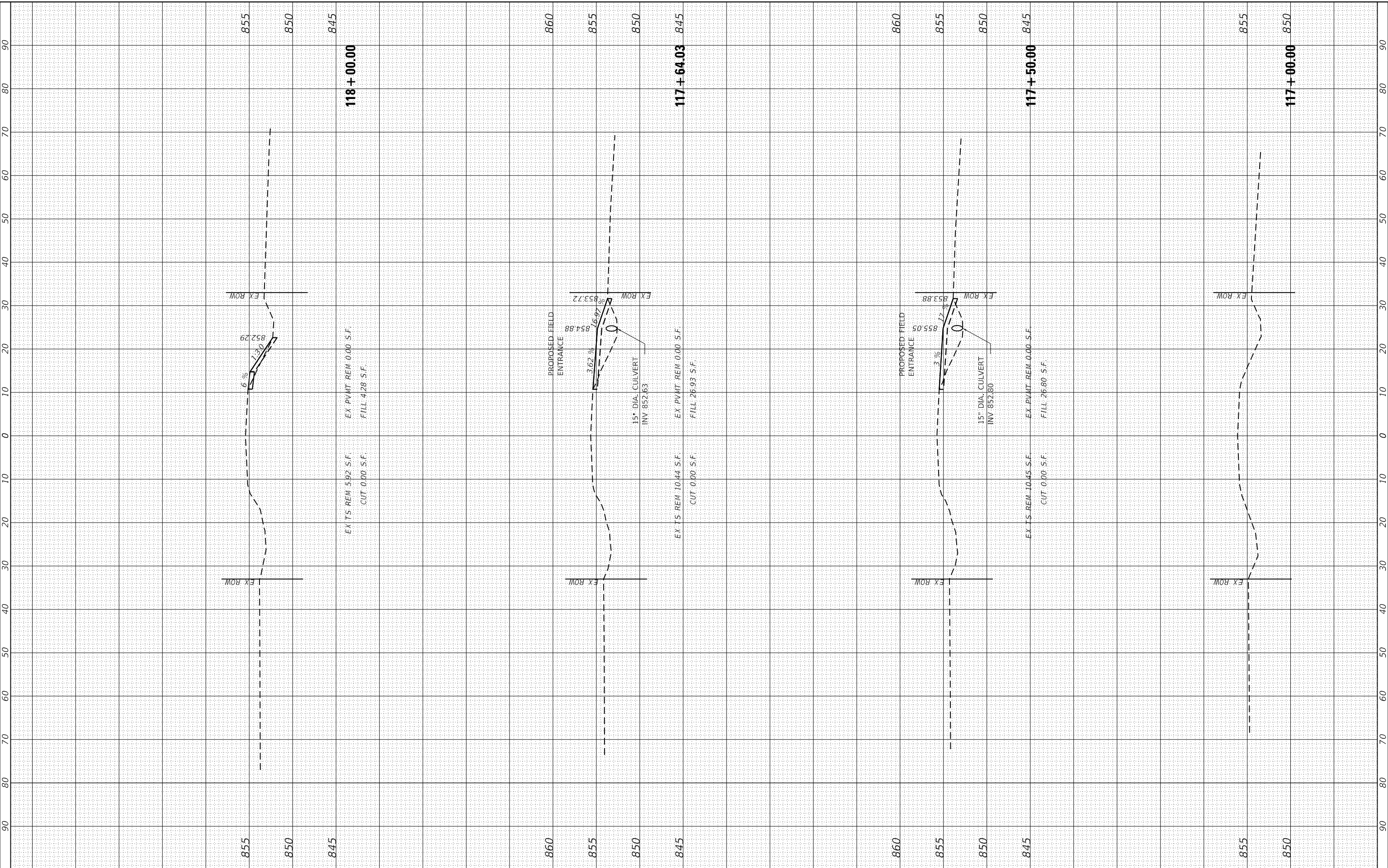
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CONTRACT NO. 87689				
		ILLINOIS	FED. AID PROJECT	

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

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AREAS CHECKED			

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
STRAND ASSOCIATES*

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	DRAWN - DJW	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

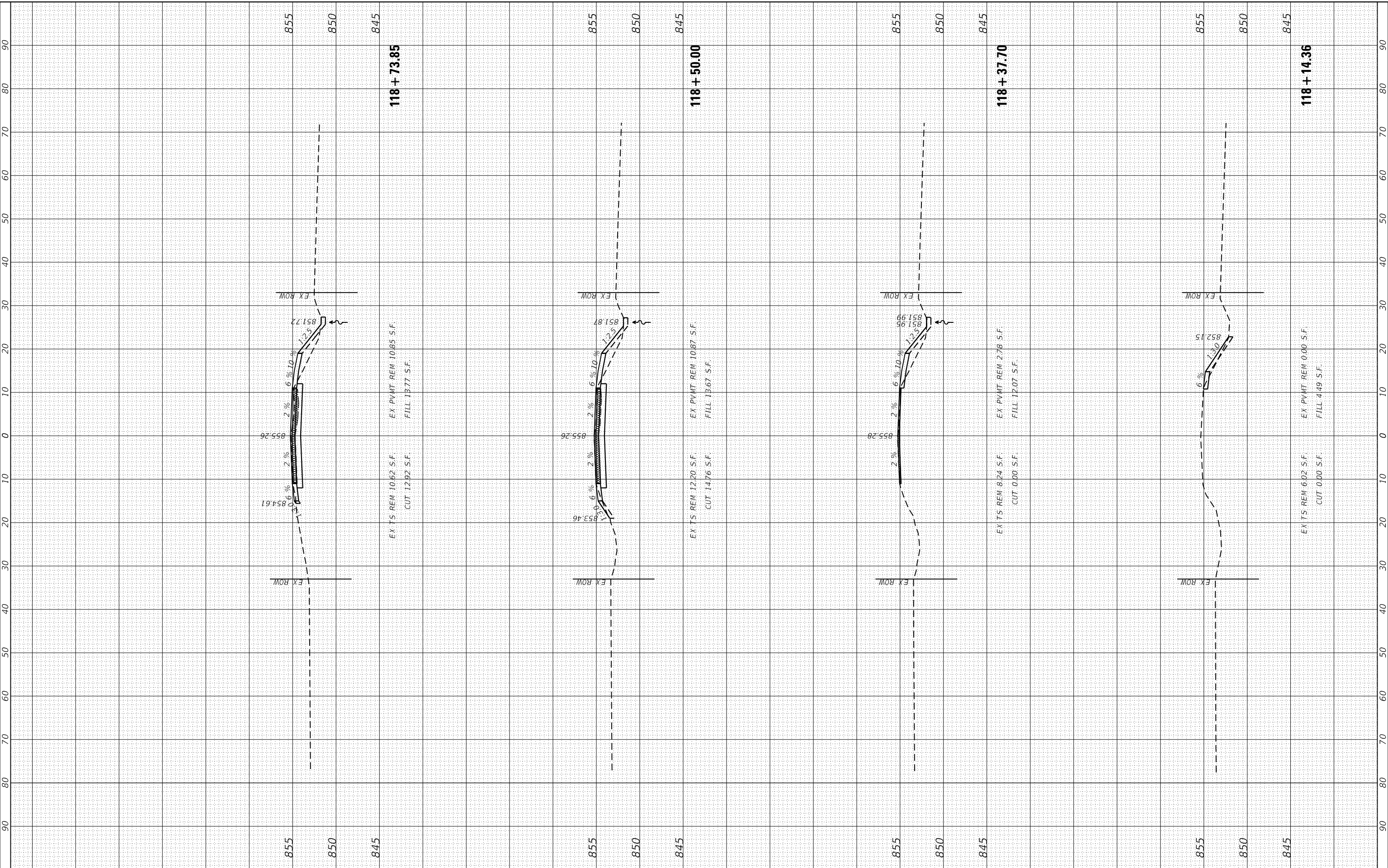
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	30
CONTRACT NO. 87689				
ILLINOIS FED. AID PROJECT				

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = JakeSc	DESIGNED - JRS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 2/28/2019	CHECKED - EDH	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BASELINE ROAD CROSS SECTIONS

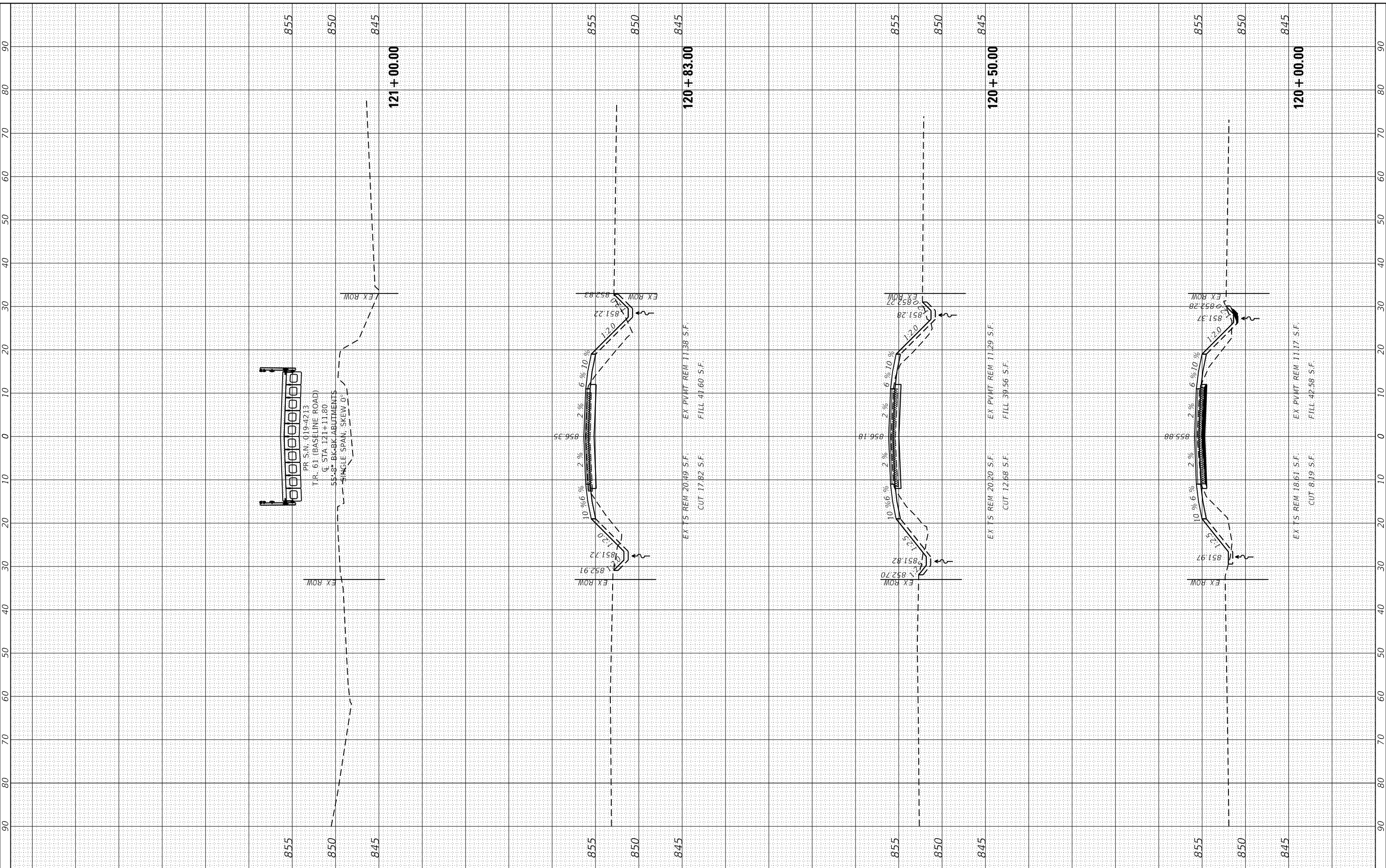
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	31
CONTRACT NO. 87689				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	PLOTTED	
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	AREAS CHECKED	

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = JakeSc	DESIGNED - JRS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 2/28/2019	CHECKED - EDH	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BASELINE ROAD CROSS SECTIONS

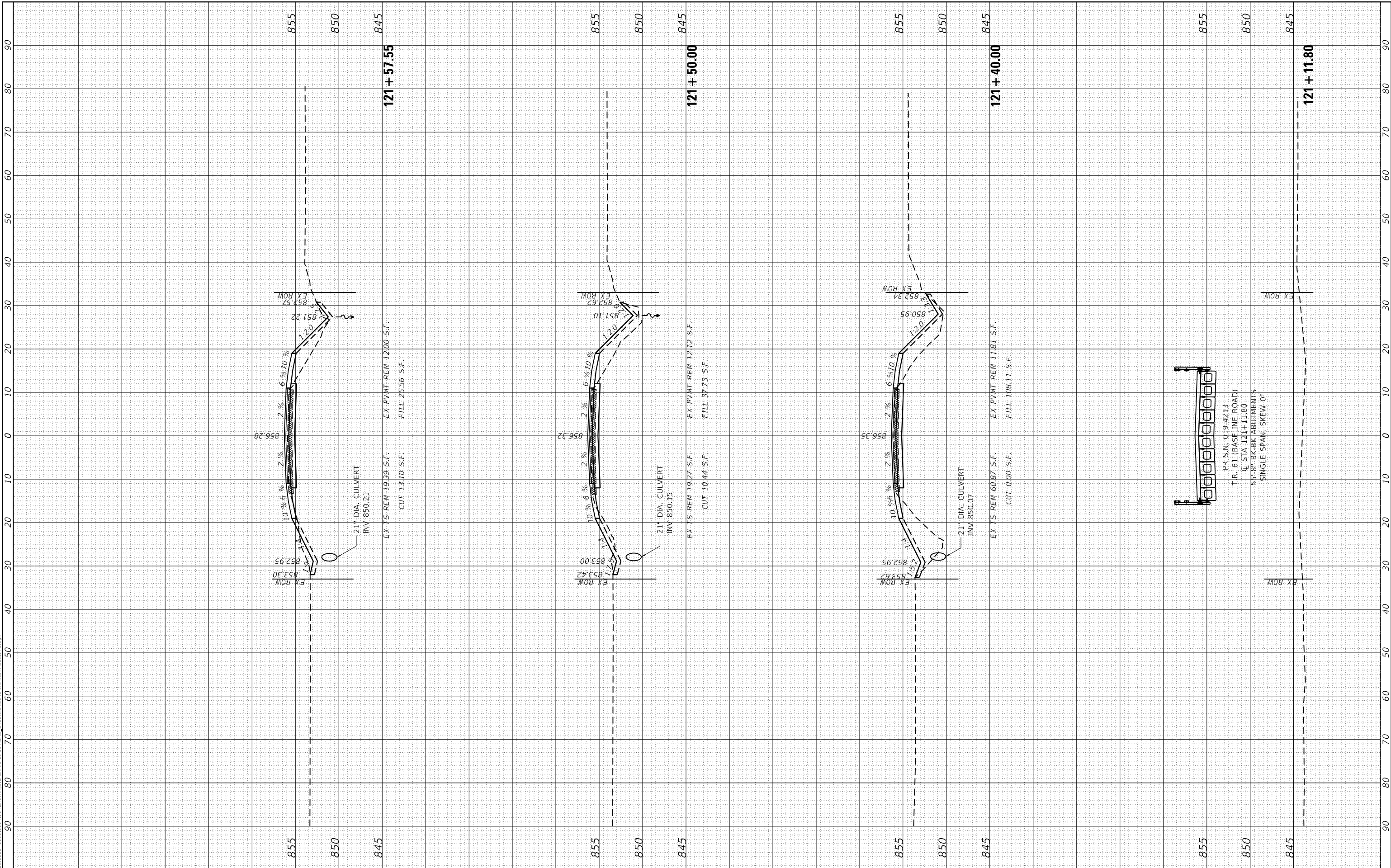
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	33
			CONTRACT NO. 87689	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED - JRS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 2/28/2019	CHECKED - EDH	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BASELINE ROAD CROSS SECTIONS

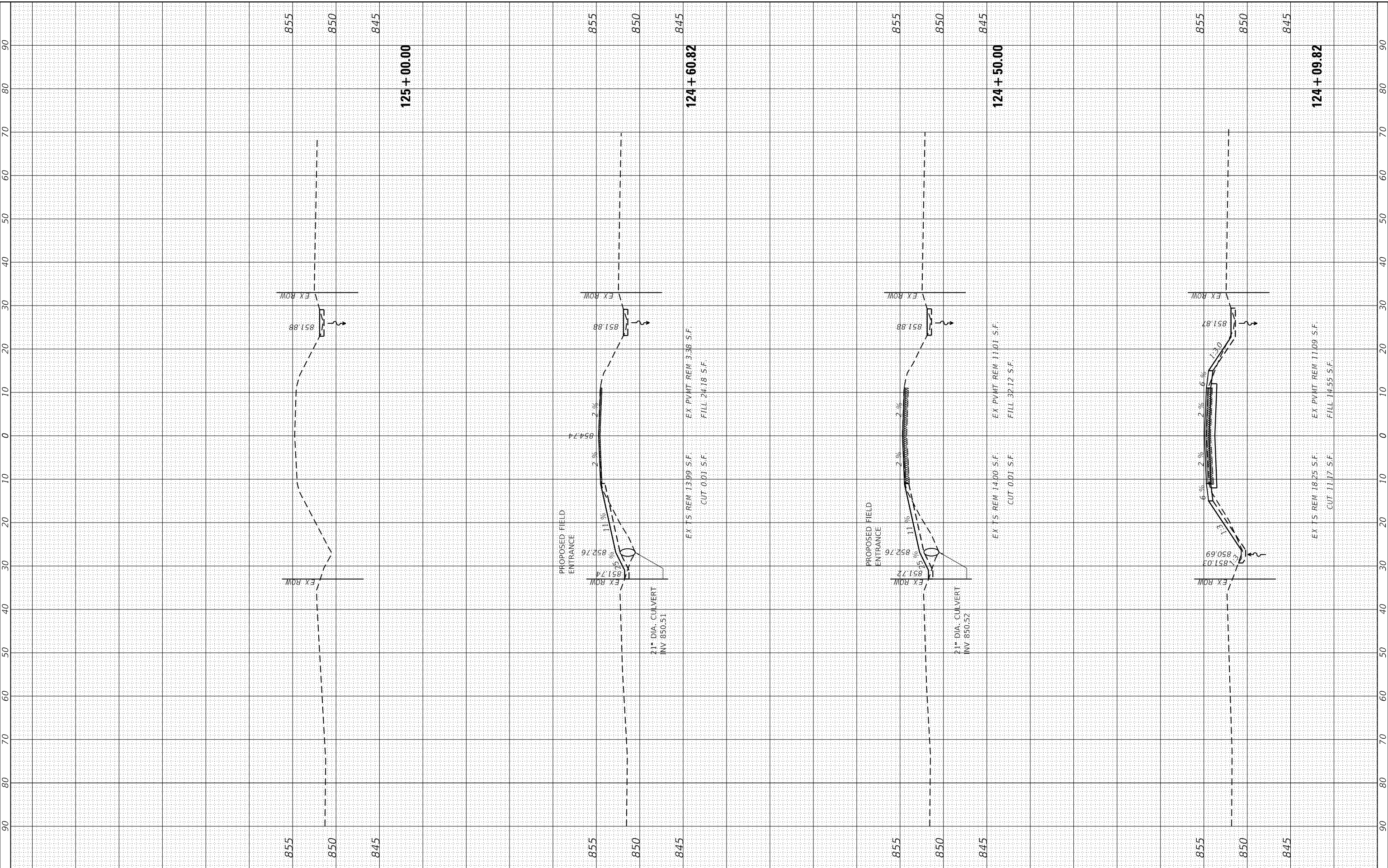
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87689	

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED - JRS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 2/28/2019	CHECKED - EDH	REVISED -
	DATE - 02/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BASELINE ROAD CROSS SECTIONS

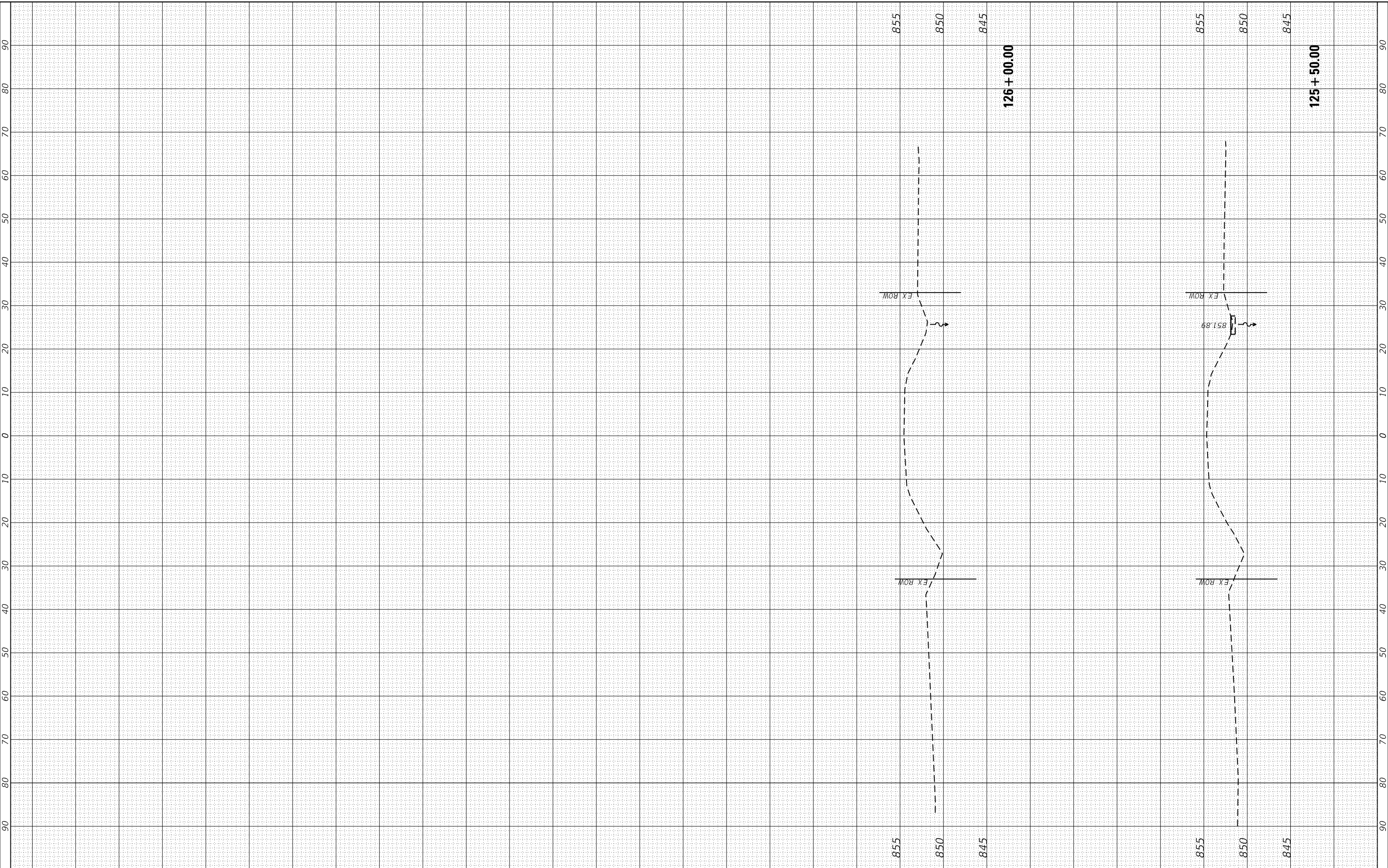
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	37
CONTRACT NO. 87689			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
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 STRAND ASSOCIATES*



1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 STRAND ASSOCIATES*

USER NAME = JakeSc	DESIGNED - JRS	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - EDH	REVISED -
PLOT DATE = 2/28/2019	DATE - 02/28/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BASELINE ROAD CROSS SECTIONS

SCALE: 10H-5V SHEET 9 OF 9 SHEETS STA. 125+50.00 TO STA. 126+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	14-06122-00-BR	DEKALB	38	38
CONTRACT NO. 87689				
ILLINOIS FED. AID PROJECT				