ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 244	17-06123 -00-BR	DeKALB	22	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 87767	

07-30-2021 LETTING ITEM 052

INDEX OF SHEETS

HIGHWAY STANDARDS:

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
515001-04	NAME PLATE FOR BRIDGES
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

UTILITIES

AT&T
1000 COMMERCE DRIVE
OAK BROOK, IL 60523

COMED
PUBLIC RELOCATION DEPT.,
ONE LINCOLN CENTRE, SUITE 600
OAKBROOK TERRACE, IL 60181

NICOR GAS
1844 FERRY ROAD
NAPERVILLE, IL 60563

100' 200' 300' — 1" = 100'
10' 20' 30' — 1" = 10'
50' 100' — 1" = 50'
50' 100' — 1" = 40'
50' 100' — 1" = 30'
50' 100' — 1" = 20'

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.

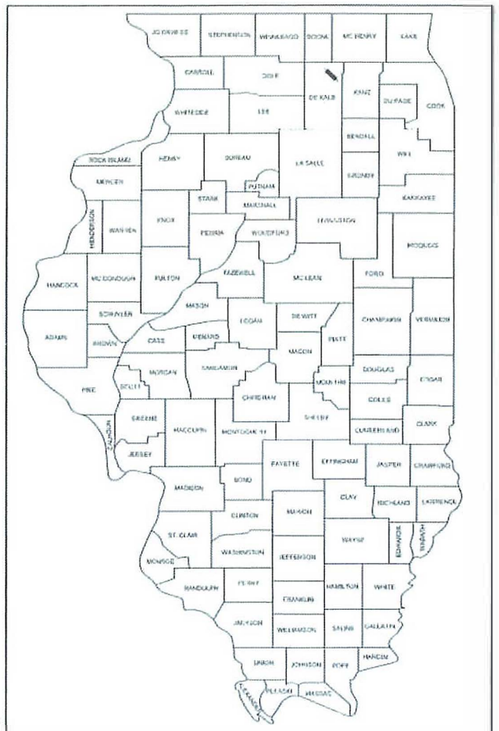
FUNCTIONAL CLASSIFICATION:	LOCAL ROAD
DESIGN SPEED:	30 MPH
DESIGN TRAFFIC:	150 ADT

CONTRACT NO. 87767 **PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

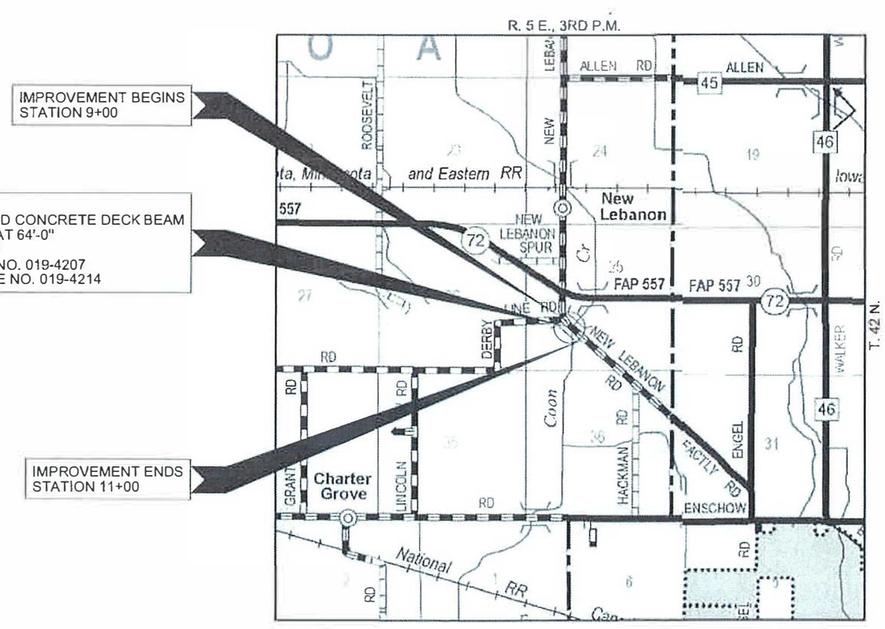
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM OFF SYSTEM BRIDGE

PROJECT X6FH(897)
SECTION 17–06123–00–BR
GENOA ROAD DISTRICT
DeKALB COUNTY
T.R. 244 / NEW LEBANON ROAD
PROPOSED STRUCTURE NO. 019–4214
C–93–002–22



LOCATION OF SECTION INDICATED THUS:–



LOCATION MAP

APPROXIMATE SCALE: 0 ½ MILE

NET LENGTH OF SECTION = 200 FEET = 0.038 MILES

WARNING

CALL JULIE TOLL FREE 1-800-892-0123

CALL 811 BEFORE YOU DIG

DIG NO: A0480510

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED May 25, 2021
COUNTY ENGINEER

PASSED May 28, 2021
DISTRICT THREE ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review May 28, 2021
REGION TWO ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: 05/21/2021
LICENSED PROFESSIONAL ENGINEER — STATE OF ILLINOIS
EXPIRES: 11/30/2021

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS · STRUCTURAL ENGINEERS · LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com
184.000050
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 21.0040.130 | DATE: 05/21/2021

SUMMARY OF QUANTITIES

	ITEM NO.	ITEM	CONSTRUCTION TYPE CODE 0010 UNIT	TOTAL
	20200100	EARTH EXCAVATION	CU YD	227
	20300100	CHANNEL EXCAVATION	CU YD	150
	25100630	EROSION CONTROL BLANKET	SQ YD	593
	28100207	STONE RIPRAP, CLASS A4	TON	456
	28200200	FILTER FABRIC	SQ YD	297
	35100100	AGGREGATE BASE COURSE, TYPE A	TON	323
	40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	17
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	645
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	65
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	41
	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	24
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	30
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
	50300225	CONCRETE STRUCTURES	CU YD	29.8
	50300260	BRIDGE DECK GROOVING	SQ YD	203
	50300300	PROTECTIVE COAT	SQ YD	209
	50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,792
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	6,720
*	50900205	STEEL RAILING, TYPE S1	FOOT	124
	51200957	FURNISHING METAL SHELL PILES 12"X0.250"	FOOT	288
	51202305	DRIVING PILES	FOOT	288
	51203200	TEST PILE METAL SHELLS	EACH	1
	51204650	PILE SHOES	EACH	10
	51500100	NAME PLATES	EACH	1
	542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	34
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	46
	60100935	PIPE DRAINS 10"	FOOT	10
	67100100	MOBILIZATION	L SUM	1
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
^	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
^	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	124
^	X2070302	POROUS GRANULAR EMBANKMENT, SPECIAL	TON	120

^ SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	ITEM NO.	ITEM	CONSTRUCTION TYPE CODE 0010 UNIT	TOTAL
^	X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.2
^	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	203
^	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

^ SEE SPECIAL PROVISIONS

GENERAL NOTES

1) ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED APRIL 1, 2016", (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE DOCUMENTS.

2) ALL CLEARING, GRUBBING, FENCE REMOVAL, PAVEMENT REMOVAL, AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. REMOVAL AND DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3) 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 MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

4) ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE DEPARTMENT.

5) THE LOCATION ON THE PLANS OF EXISTING DRAINAGE STRUCTURES, TELEPHONE LINES, ELECTRIC LINES, WATER SERVICE LINES, GAS MAINS, AND OTHER UTILITY FACILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.

6) THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

7) THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES

AGGREGATE BASE COURSE	2.05 TON/CU YD
HOT MIX ASPHALT	112 LBS/SQ YD./INCH THICKNESS
POROUS GRANULAR EMBANKMENT	2.0 TON/CU YD

BITUMINOUS MATERIALS RATES

SURFACE TYPE	RESIDUAL RATE
AGGREGATE BASE	0.250 LB/SQ FT
MILLED HMA OR PCC (TACK COAT)	0.050 LB/SQ FT
EXISTING PAVEMENT (TACK COAT)	0.050 LB/SQ FT
TACK COAT (BETWEEN LIFTS)	0.025 LB/SQ FT

8) THE FINAL SURFACE OF ALL EMBANKMENT AREAS SHALL BE SEEDED. THE TOP 4 INCHES OF THE SEEDED AREAS SHALL BE TOPSOIL SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF SHAPING THE SLOPES AND PROVIDING TOP SOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

9) THE AREA TO BE SEEDED AND COVERED WITH EROSION CONTROL BLANKET SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.
SEEDING, CLASS 2 (SPECIAL) = 0.2 ACRES
EROSION CONTROL BLANKET = 593 SQ YD

10) ALL WASTE MATERIAL FROM EXCAVATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

11) COMMITMENTS: NONE.

FILE NAME = 210049-shi-summary.dgn	USER NAME = rhoslck	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3985 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - R.D.H.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000559	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 5/21/2021	DATE - 05/21/2021	REVISED -

STATE OF ILLINOIS
DeKALB COUNTY HIGHWAY DEPARTMENT

SUMMARY OF QUANTITIES AND GENERAL NOTES

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

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-02-BR	DeKALB	22	2
GENOA ROAD DISTRICT		CONTRACT NO. 87767		
ILLINOIS	FED. AID PROJECT X6FH(897)			

ROADWAY SCHEDULE

LOCATION	AGGREGATE BASE COURSE TYPE A	AGGREGATE SURFACE COURSE TYPE A	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE IL 19.0, N50	HOT-MIX ASPHALT SURFACE COURSE. IL-9.5, MIX "C", N50	AGGREGATE SHOULDERS, TYPE B
TR 244 / New Lebanon Rd	35100100	40200100	40600275	40600290	40603080	40604050	48101200
	TON	TON	POUND	POUND	TON	TON	TON
STA. 9+00 TO STA. 9+67.33	163		326	33	21	12	15
STA. 10+32.66 TO STA. 11+00	160		319	32	20	12	15
ENTRANCES 9+18		17					
TOTAL	323	17	645	65	41	24	30

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
TR 244 / New Lebanon Rd							
STA. 9+00 TO STA. 9+68.58	122		25.00%	100.00%	91	2	89
STA. 9+68.58 TO STA. 10+31.42		150	25.00%	70.00%	79		79
STA. 10+31.42 TO STA. 11+00	105		25.00%	100.00%	79	7	72
ENTRANCE EMBANKMENT			25.00%	100.00%	13	17	-4
TOTAL	227	150			262	26	236
USE	227	150					236

WASTE 236 CU YDS

FILE NAME = 210049-sht-schedules.dgn | USER NAME = rhosick | DESIGNED - J.W.F. | REVISED -
DRAWN - R.D.H. | REVISED -
PLOT SCALE = $SCALE$ | CHECKED - S.W.M. | REVISED -
PLOT DATE = 5/21/2021 | DATE - 05/21/2021 | REVISED -

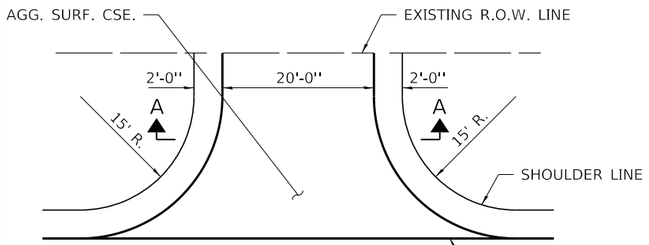
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. - 184.000959

STATE OF ILLINOIS
DeKALB COUNTY HIGHWAY DEPARTMENT

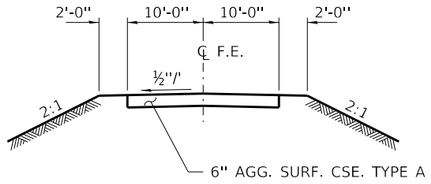
SCHEDULE OF QUANTITIES

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

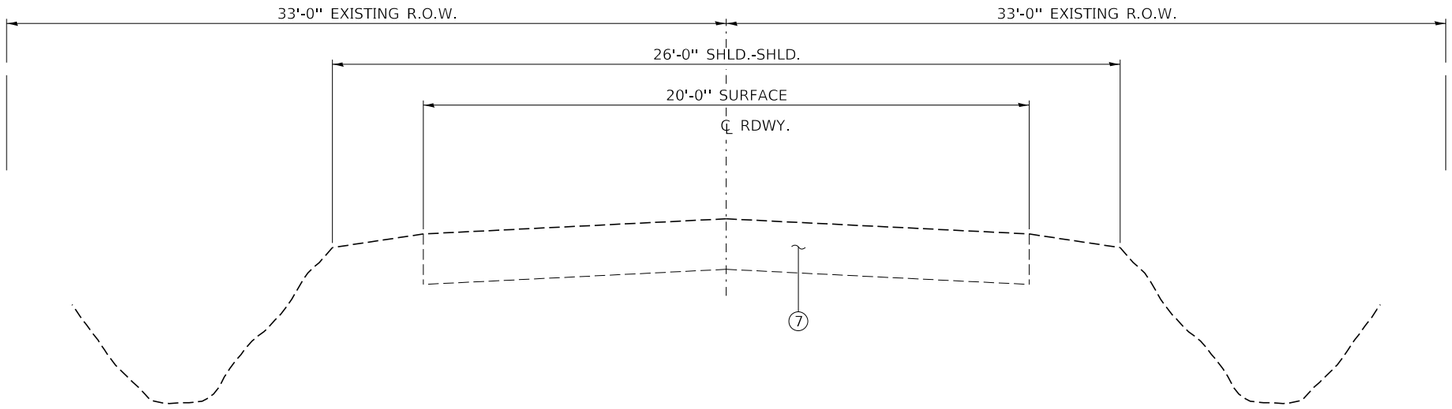
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-02-BR	DeKALB	22	3
GENOA ROAD DISTRICT		CONTRACT NO. 87767		
	ILLINOIS	FED. AID PROJECT X6FH(897)		



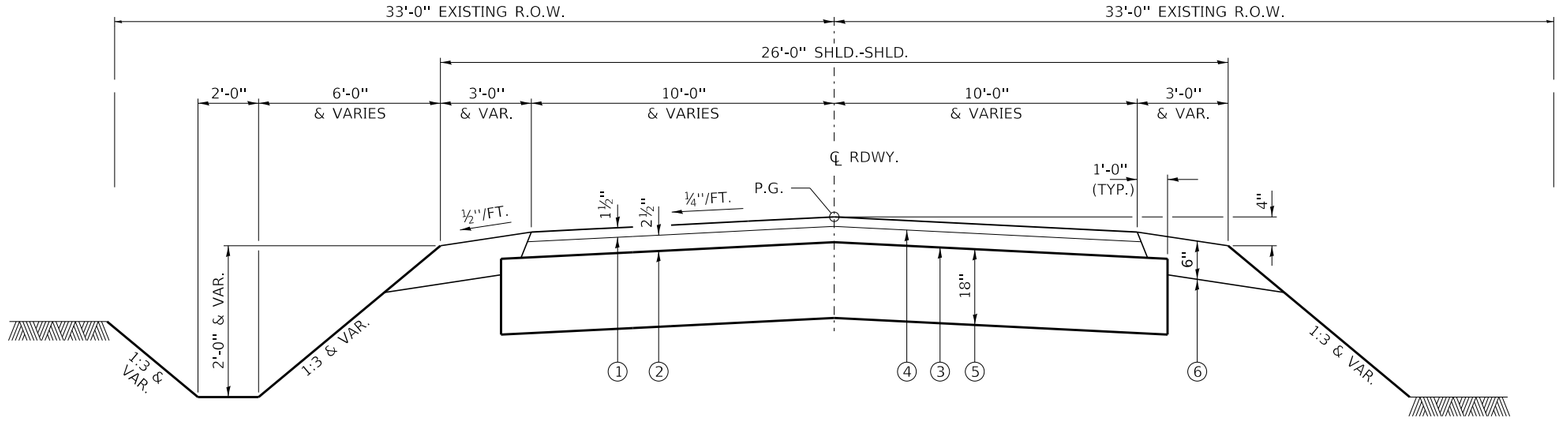
FIELD ENTRANCE DETAIL



SECTION A-A



EXISTING TYPICAL CROSS SECTION
STA. 9+00 TO 11+00



SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

PROPOSED TYPICAL CROSS SECTION
STA. 9+00 TO 11+00

TRANSITIONS FROM THE PROPOSED SURFACE TO THE EXISTING SURFACE ARE TO BE CONSTRUCTED FROM STA. 9+00 TO 9+50 AND STA. 10+50 TO STA. 11+00. SEE SHEET 6 FOR TRANSITION AT BRIDGE.

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

LEGEND

1. HMA SURFACE COURSE, IL.-9.5, MIX C, N50 (1½" THICKNESS)
2. HMA BINDER COURSE, IL.-19.0, N50 (2½" THICKNESS)
3. BITUMINOUS MATERIALS (PRIME COAT)
4. BITUMINOUS MATERIALS (TACK COAT)
5. AGGREGATE BASE COURSE, TYPE A (18")
6. AGGREGATE SHOULDERS, TYPE B (6")
7. EXISTING OIL & CHIP SURFACE ON AGGREGATE BASE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
LOCATIONS(S)	TR 244 / New Lebanon Rd	TR 244 / New Lebanon Rd
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE	HOT-MIX ASPHALT BINDER COURSE
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4% @ 50 Gyr.	4% @ 50 Gyr.
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIXTURE C	NONE
DENSITY TEST METHOD	CORES	CORES
MIXTURE WEIGHT:	112 LBS / SY / INCH THICKNESS	112 LBS / SY / INCH THICKNESS
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

FILE NAME = 210049-shl-typsections.dgn
USER NAME = rhosick
PLOT SCALE = $SCALE$
PLOT DATE = 05/21/2021

DESIGNED - J.W.F.
DRAWN - R.D.H.
CHECKED - S.W.M.
DATE - 05/21/2021

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DeKALB COUNTY HIGHWAY DEPARTMENT

TYPICAL CROSS SECTIONS

SCALE: | SHEET NO. 1 OF 1 SHEETS | STA. 9+00 | TO STA. 11+00

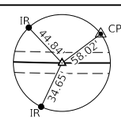
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-02-BR	DeKALB	22	4
GENOA ROAD DISTRICT		CONTRACT NO. 87767		
	ILLINOIS	FED. AID PROJECT X6FH(897)		

92131 LLC
SW¼, SEC 25, T. 42 N., R. 5 E., 3RD P.M.

RAYMOND G. SABIN & VIOLA M. SABIN
SW¼, SEC 25, T. 42 N., R. 5 E., 3RD P.M.

JOHN C. EMERSON & JUDITH M. EMERSON
SW¼, SEC 25, T. 42 N., R. 5 E., 3RD P.M.

RAYMOND G. SABIN & VIOLA M. SABIN
SW¼, SEC 25, T. 42 N., R. 5 E., 3RD P.M.



CURVE DATA
PI STA. 7+22.62
Δ = 15° 43' 44" (LT)
D = 6° 01' 52"
T = 131.22'
R = 950.00'
L = 260.79'
E = 9.02'
PC STA. 5+91.39
PT STA. 8+52.19
NO S.E.

PT STA. 8+52.19
MAG NAIL (SET)
N. 1973857.764
E. 911333.230

CROPS

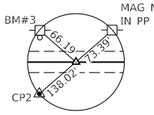
STA. 9+18
CONSTRUCT 20' F.E.
PIPE CULVERTS, CLD, TY1, 15"
LENGTH = 34 FOOT
U.S.F.L. = 846.3
D.S.F.L. = 846.2
EXISTING CMP TO BE REMOVED

STA. 10+00
PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE
SINGLE SPAN @ 64'-0", 28'-0" ROADWAY; SKEW = 0°
PROPOSED SN 019-4214

PIPE DRAINS 10"
LENGTH = 10 FOOT
CONNECT TO EXISTING TILE

TREE TO REMAIN IN PLACE

GRASS



P.O.T. STA. 13+72.14
MAG NAIL (SET)
N. 1973508.424
E. 911718.342

HOUSE

0 20' 40'
GRAPHIC SCALE

CREEK

CONSTRUCTION LIMITS

+66 F.E.
+18 F.E.
+19 P.E.
+82 P.E.
+49 F.E.

℄ PROPOSED IMPROVEMENT

33' R.O.W.
33' EXIST.

NEW LEBANON ROAD / T.R. 244

PI STA.7+22.62

EXIST. A-3 SURFACE

PT STA. 8+52.19

15" CMP
30" CMP
12" CMP
15" CMP
12" CMP

BM#1
BM#2
CP1
CP2

+50
10'
90°

7 8 9 10 11 12 13

CONSTRUCTION LIMITS

IMPROVEMENT BEGINS
STATION 9+00

IMPROVEMENT ENDS
STATION 11+00

NOTE:
WARNING SIGNS AT BRIDGE SHALL BE SALVAGED AND RETURNED TO THE TOWNSHIP.

COON CREEK

CROPS

CROPS

EXISTING STRUCTURE NO. 019-4207
STATION 10+00 - SINGLE SPAN PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE. ON CONCRETE PILE BENT ABUTMENTS.
56.0' BK.-BK. ABUTS; 26.5' o.-o. DECK

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
PROFILE CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

BM#1 - CHISELED "☒" ON N.E. WING WALL
14' LT., STA. 9+73
ELEV. 851.55

BM#2 - BENCH TIE IN 14" TREE
32' LT., STA. 10+77
ELEV. 848.99

BM#3 - BENCH TIE IN PP W/TRANS
32' LT., STA. 13+15
ELEV. 852.47

VPI STA. 9+00
ELEV. 850.62

VPI STA. 11+00
ELEV. 851.10

870 865 860 855 850 845 840 835 830

100 YEAR H.W. ELEV. 847.9
15 YEAR H.W. ELEV. 846.7

PROPOSED ℄ GRADE

+0.24%

EXISTING ℄ GRADE

1V:2H
1V:2H

CHANNEL EXCAVATION

STONE RIPRAP, CLASS A4

℄ ELEV. 838.5

851.3 850.9 850.6 850.6 850.62 850.9 850.74 850.9 850.86 851.0 850.98 851.1 851.10 851.3 851.5 851.8 852.1

7+00 7+50 8+00 8+50 9+00 9+50 10+00 10+50 11+00 11+50 12+00 12+50 13+00

FILE NAME = 210049-sht-planprf.dgn	USER NAME = rhoslck	DESIGNED - S.A.A.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - I.P.N.	REVISED -
	PLOT DATE = 5/21/2021	DATE - 05/21/2021	REVISED -

STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

PLAN & PROFILE
NEW LEBANON ROAD
SCALE: 5V:20H | SHEET NO. 1 OF 1 SHEETS | STA. 7+00.00 TO STA. 13+00.00

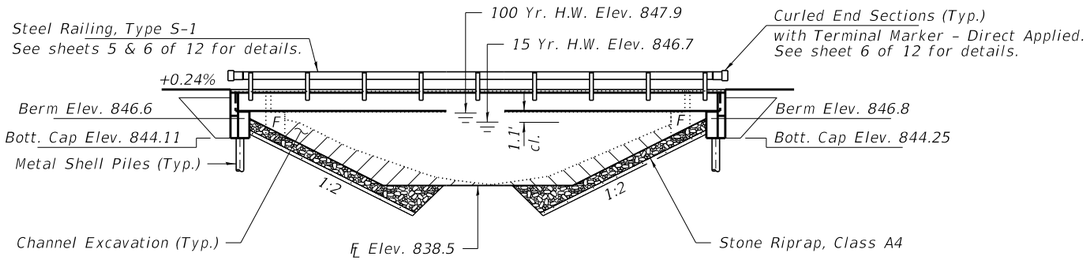
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	5
GENOA ROAD DISTRICT		CONTRACT NO. 87767		
	ILLINOIS	FED. AID PROJECT X6FH(897)		

BENCHMARK: Chiseled " X " on NE wingwall 14.0' Lt. Sta. 9+73, Elev. 851.55

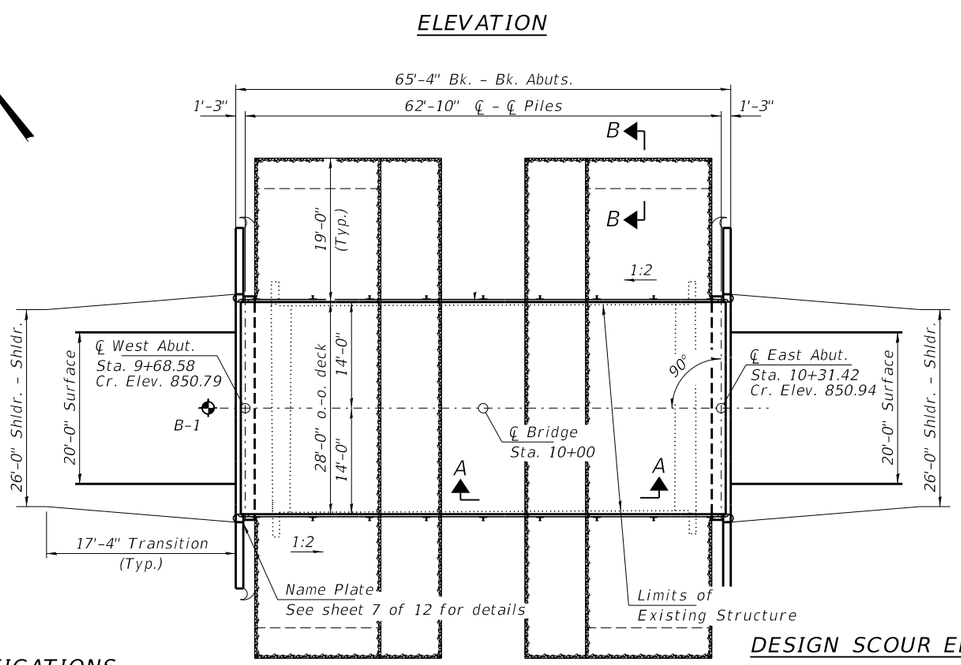
EXISTING STRUCTURE NO. 019-4207: Sta. 10+00 – Single span precast prestressed concrete deck beam bridge on spill thru concrete pile bent abutments. 56.0' bk.-bk. Abuts; 26.5' o.-o. deck.

Structure closed to traffic during construction.

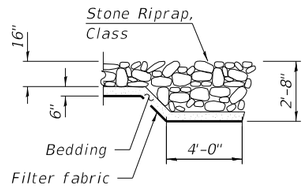
No Salvage



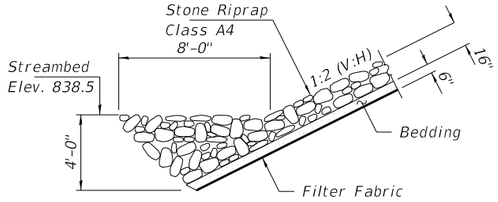
ELEVATION



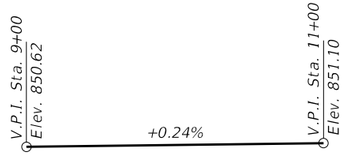
PLAN



SECTION B-B



SECTION A-A



PROFILE GRADE

T.R. 244

GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at North Abutment or approved by the Engineer before ordering the remainder of piles.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

All bars to be epoxy coated.

Excavation required to construct the Abutments shall be included in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.

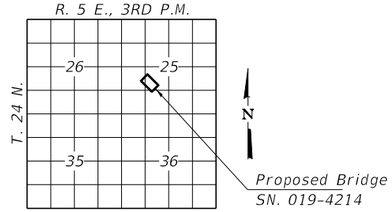
All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.

INDEX OF STRUCTURE SHEETS

COON CREEK
BUILT 2021 BY
DEKALB COUNTY
SEC. 17-06123-00-BR
GENOA ROAD DISTRICT
STR. NO. 019-4214
LOADING HL-93

NAME PLATE

See Std. 515001



LOCATION SKETCH

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

f'c = 4,000 psi (Wearing Surface)
f'c = 3,500 psi (Substructure)
fy = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (½"Ø low lax. strands)
fpbt = 201,960 psi (½"Ø low lax. strands)
fy = 60,000 psi (Reinf.)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.084g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.147g
Soil Site Class = D

WATERWAY INFORMATION

Drainage Area = 15.4 Sq. Mi.

Existing Low Grade Elev. 850.5 at Sta. 8+50
Proposed Low Grade Elev. 850.5 at Sta. 8+50

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head – Ft. Exist.	Head – Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	769	240	330	846.3	0.1	0.1	846.4	846.4
Design	15	870	260	350	846.7	0.1	0.1	846.8	846.8
Base	100	1,330	330	420	847.9	0.3	0.3	848.2	848.2
Scour Check	200	1,510	340	430	848.2	0.5	0.5	848.7	848.7
Max. Calc.	500	1,740	340	430	848.6	0.7	0.5	849.3	849.1

10 Year Velocity through Existing Bridge = 3.2 fps 10 Year Velocity through Proposed Bridge = 2.3 fps

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elev. (ft.) W. Abut.	Design Scour Elev. (ft.) E. Abut.	Item 113
Q100	844.11	844.25	8
Q200	844.11	844.25	
Design	844.11	844.25	
Check	844.11	844.25	

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 Specifications."

Steven W. Megginson 05/21/2021
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064

LICENSED STRUCTURAL ENGINEER
STEVEN W. MEGGINSON
081-6064
SPRINGFIELD, IL
STATE OF ILLINOIS

Expires 11-30-2022

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			150
Stone Riprap, Class A4	Ton			456
Filter Fabric	Sq. Yd.			297
Removal of Existing Structures	Each			1
Concrete Structures	Cu. Yd.		29.8	29.8
Bridge Deck Grooving	Sq. Yd.		203	203
Protective Coat	Sq. Yd.	203	6	209
Precast Prestressed Conc. Deck Beams (27" Depth)	Sq. Ft.	1,792		1,792
Reinforcement Bars, Epoxy Coated	Pound	2,660	4,060	6,720
Steel Railing, Type S-1	Foot	124		124
Furnishing Metal Shell Piles 12"x0.250	Foot		288	288
Driving Piles	Foot		288	288
Test Pile Metal Shells	Each		1	1
Pile Shoes	Each		10	10
Name Plates	Each		1	1
Geocomposite Wall Drain	Sq. Yd.		46	46
Pipe Underdrains for Structures 4"	Foot		124	124
Porous Granular Embankment, Special	Ton		120	120
Concrete Wearing Surface	Sq. Yd.	203		203

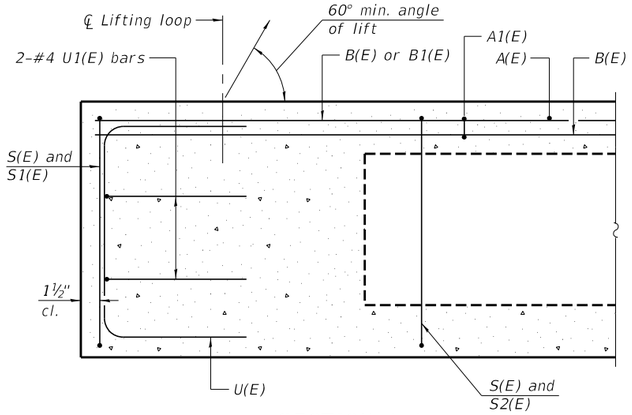
FILE NAME = 210049-sht-bridge.dgn | USER NAME = | DESIGNED - I.P.N. | REVISED -
CHECKED - S.W.M. | REVISED -
PLOT SCALE = | DRAWN - T.D.S. | REVISED -
PLOT DATE = 5/21/2021 | CHECKED - S.W.M. | REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
5045 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP: 184.000959

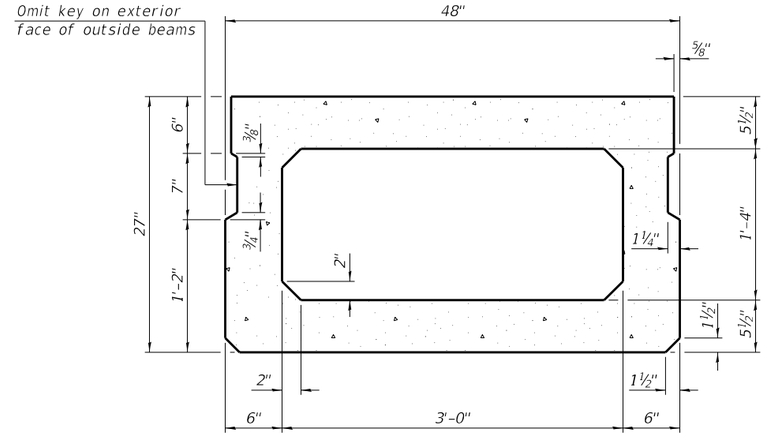
STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN & ELEVATION
STRUCTURE NO. 019-4214
SHEET NO. 1 OF 12 SHEETS

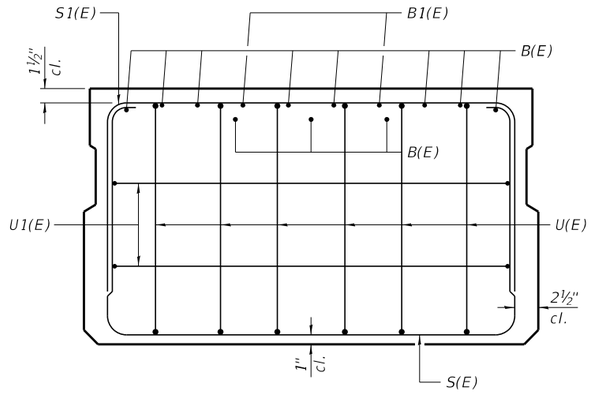
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	6
GENOA ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



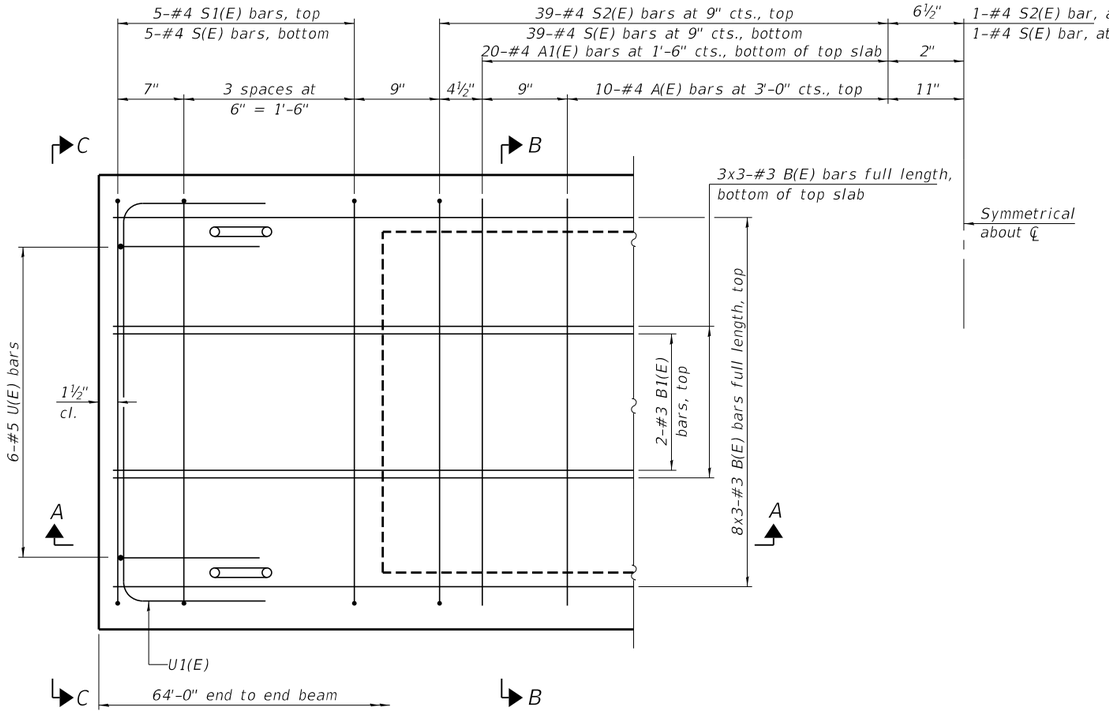
SECTION A-A



SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW

Notes:
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.
Bars indicated thus 8x3-#3 etc. indicates 8 lines of bars with 3 lengths per line.

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.

MINIMUM BAR LAP
#3 bar = 1'-6"

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	20	#4	3'-7"	—
A1(E)	40	#4	3'-10"	~
B(E)	33	#3	22'-3"	—
B1(E)	4	#3	10'-0"	—
S(E)	89	#4	8'-5"	⊔
S1(E)	10	#4	6'-11"	⊓
S2(E)	79	#4	7'-2"	⊓
U(E)	12	#5	4'-6"	⊏
U1(E)	4	#4	6'-0"	⊓

Note:
See sheet 3, 4 & 5 of 12 for additional details and Bill of Material.

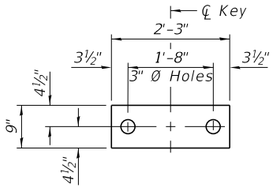
PD-2748-0 1-1-2020

FILE NAME = 210049-sht-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.D.S.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -

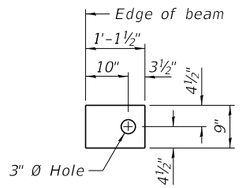
STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

27" x 48" PPC DECK BEAM
STRUCTURE NO. 019-4214
SHEET NO. 2 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	7
GENOA ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



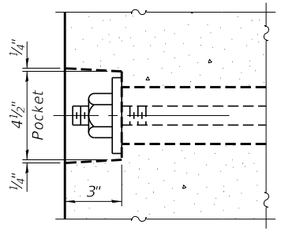
FABRIC BEARING PAD
(Interior - 12 req'd)



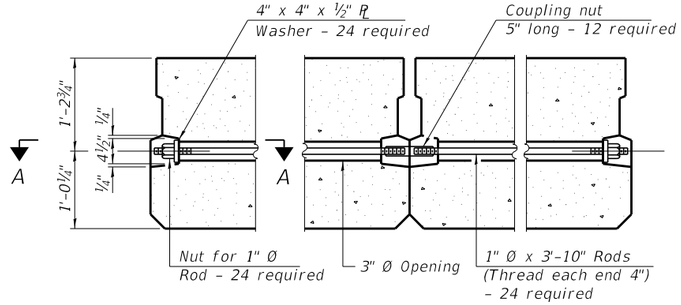
FABRIC BEARING PAD
(Exterior - 4 req'd)

FIXED

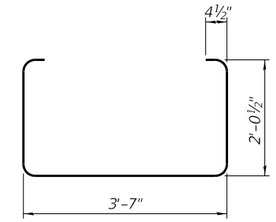
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pads shall be bonded to the substructure.



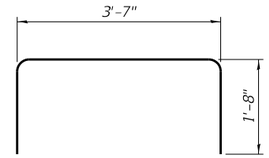
SECTION A-A



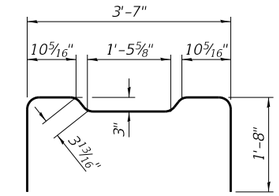
TYPICAL TRANSVERSE TIE ASSEMBLY



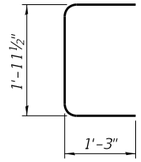
BAR S(E)



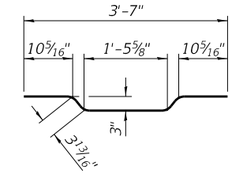
BAR S1(E)



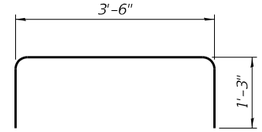
BAR S2(E)



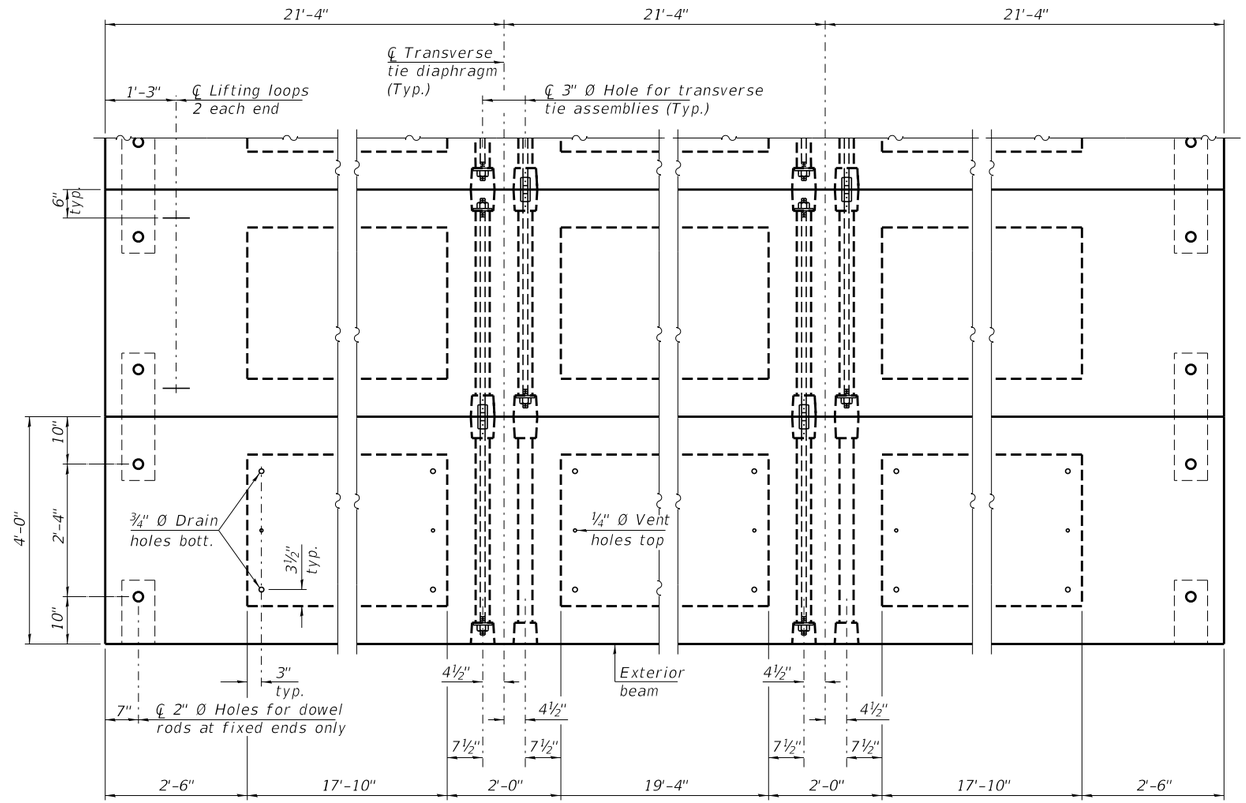
BAR U(E)



BAR A1(E)

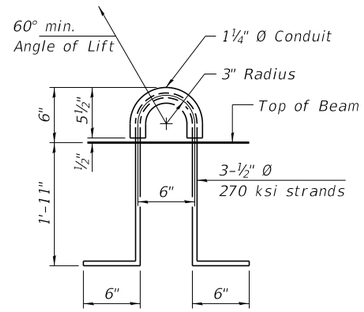


BAR U1(E)



PLAN VIEW

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



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø 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 ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" Ø 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.

Reinforcement bars designated (E) shall be epoxy coated.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	1,792

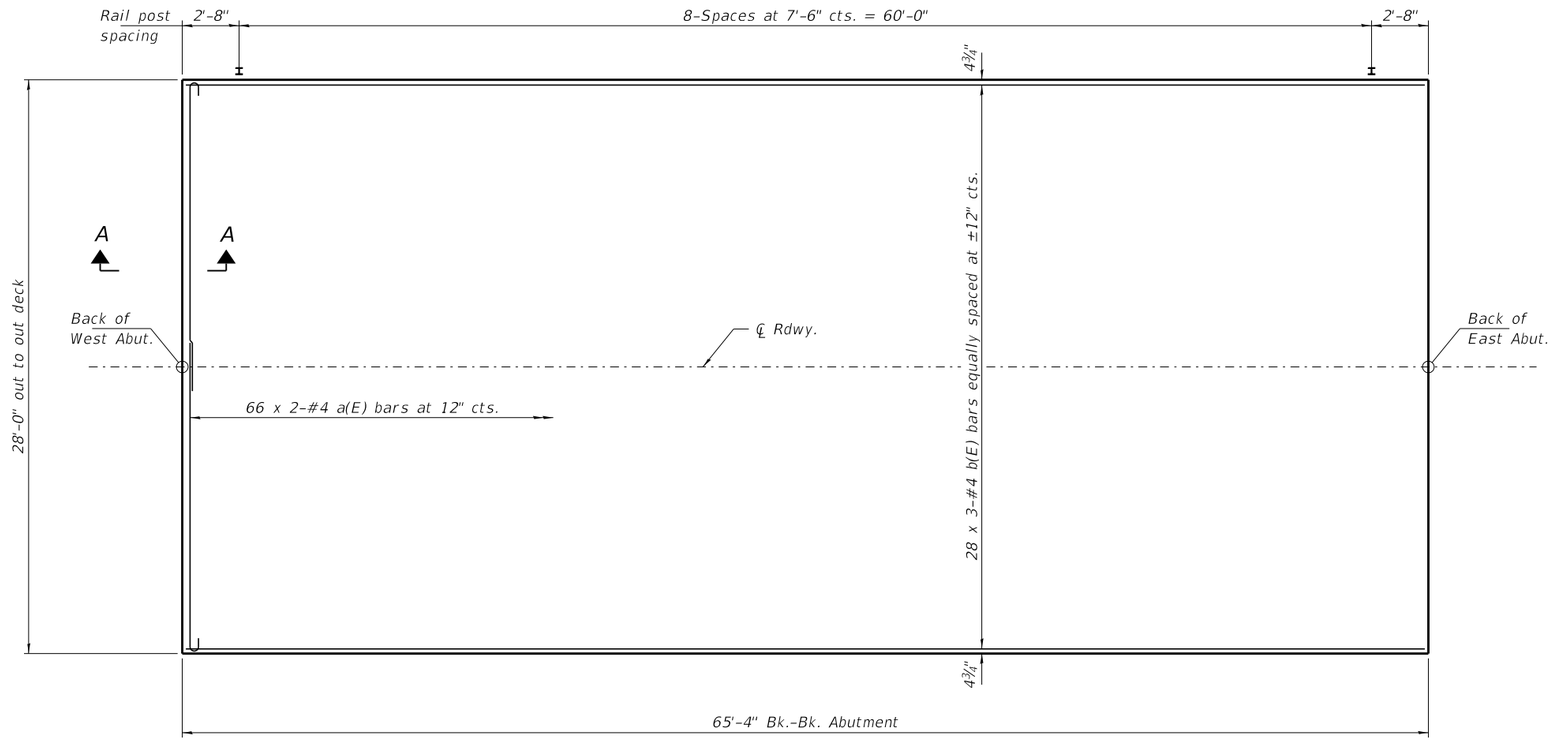
PDD-2748-0 1-1-2020

FILE NAME = 210049-sht-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -	
	PLOT SCALE =	DRAWN - T.D.S.	REVISED -	
	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -	

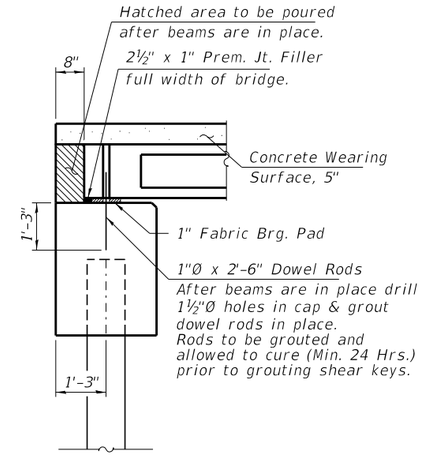
STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

27" x 48" PPC DECK BEAM DETAILS
STRUCTURE NO. 019-4214
SHEET NO. 3 OF 12 SHEETS

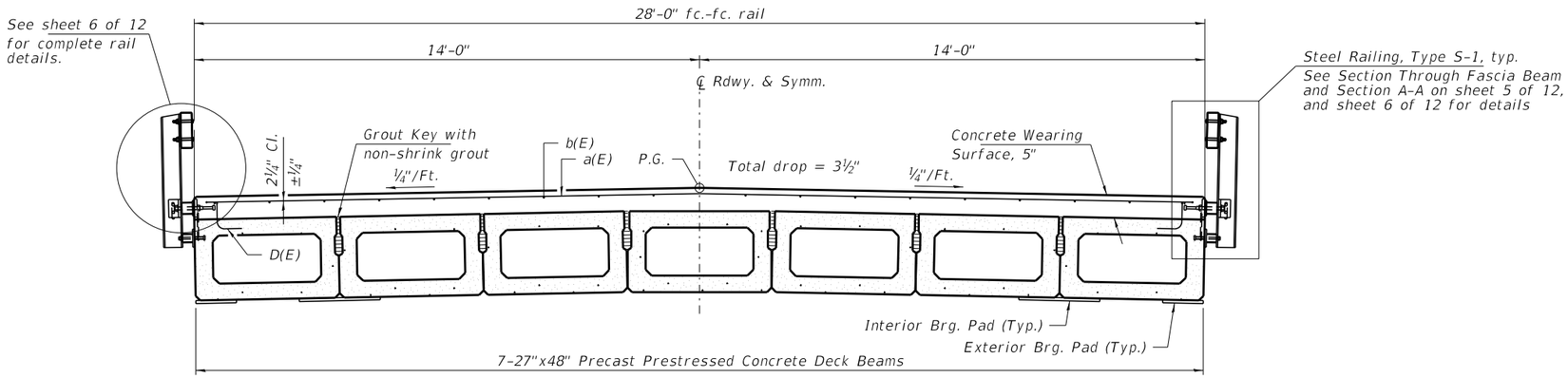
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	8
GENOA ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



PLAN



SECTION A-A



CROSS SECTION
(Looking East)

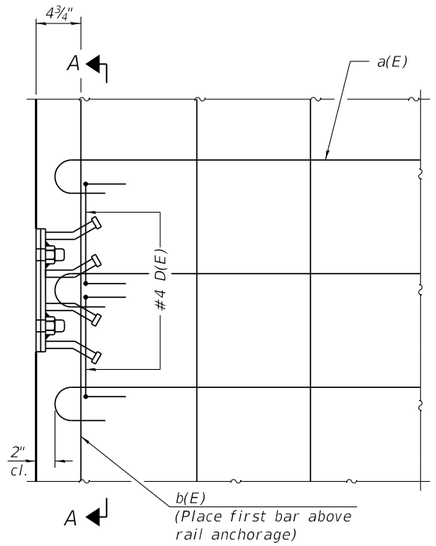
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	132	#4	15'-5"	⊂———
b(E)	84	#4	23'-2"	———
Reinforcement Bars, Epoxy Coated			Pound	2,660
Concrete Wearing Surface, 5"			Sq. Yd.	203

Bars indicated thus 28 x 3 -#4 etc. indicates 28 lines of bars with 3 lengths per line.

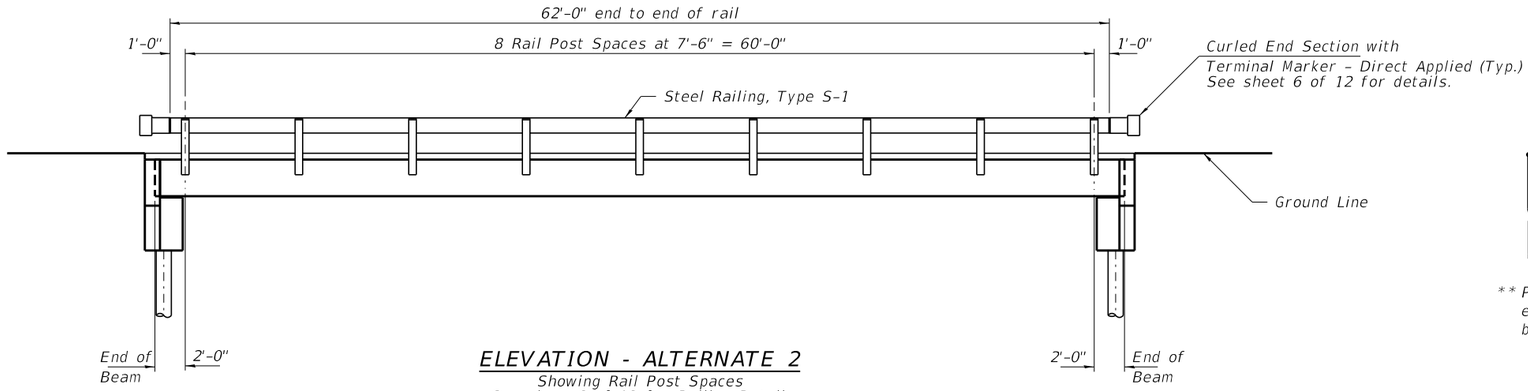
Notes:
See sheet 5 of 12 or Superstructure Details and Bill of Material.
Bars indicated thus 28 x 3-#4 etc. indicates 28 lines of bars with 3 lengths per line.
See sheet 3 of 12 for fabric bearing pad details.

FILE NAME = 210049-shl-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -	STATE OF ILLINOIS DEKALB COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE STRUCTURE NO. 019-4214	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -			244	17-06123-00-BR	DEKALB	22	9
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - T.D.S.	REVISED -			GENOA ROAD DISTRICT		CONTRACT NO.		
	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -		SHEET NO. 4 OF 12 SHEETS		ILLINOIS	FED. AID PROJECT		

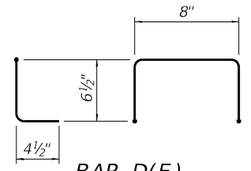


PLAN

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

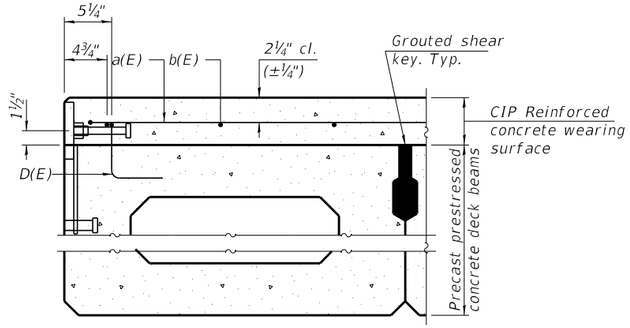


ELEVATION - ALTERNATE 2
Showing Rail Post Spaces
See sheet 6 of 12 for Railing Details.

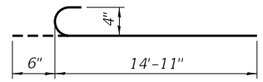


BAR D(E)

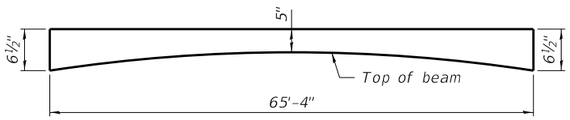
** Place 2-#4 D(E) bars in beam at each post location as shown. D(E) bar included in cost of beam.



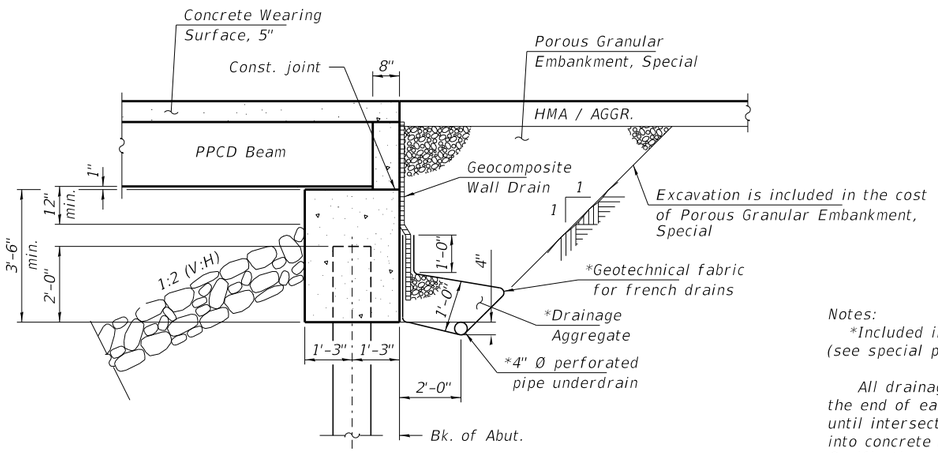
SECTION THRU FASCIA BEAM



BAR a(E)



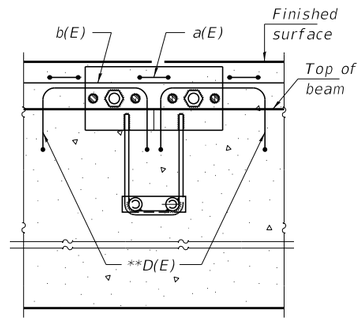
ANTICIPATED CONCRETE WEARING SURFACE PROFILE
(For information only)



SECTION THRU ABUTMENT

Notes:
*Included in the cost of Pipe Underdrains for Structures. (see special provisions)

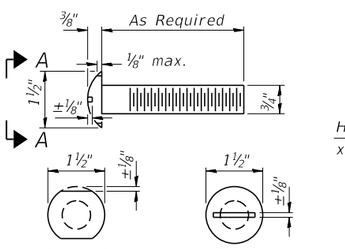
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Secifications and Highway Standard 601101).



SECTION A-A

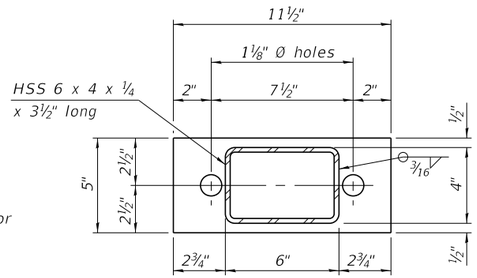
FILE NAME = 210049-sht-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -	STATE OF ILLINOIS DEKALB COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE DETAILS STRUCTURE NO. 019-4214
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -		SHEET NO. 5 OF 12 SHEETS
	PLOT SCALE =	DRAWN - T.D.S.	REVISED -		
	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	10
GENOA ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

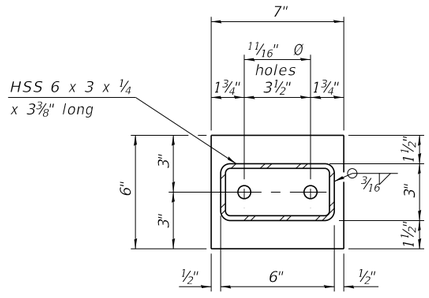


VIEW A–A

ROUND HEAD BOLT

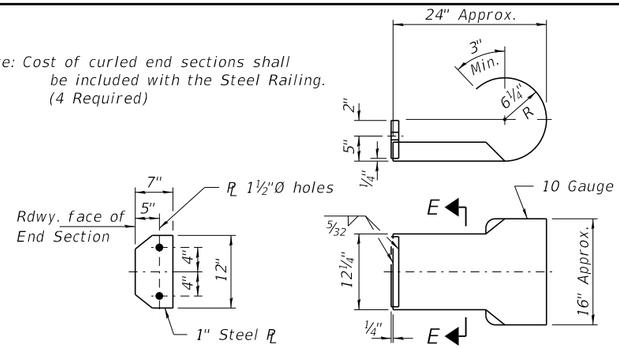


℄ 1/2" x 11 1/2" x 5"



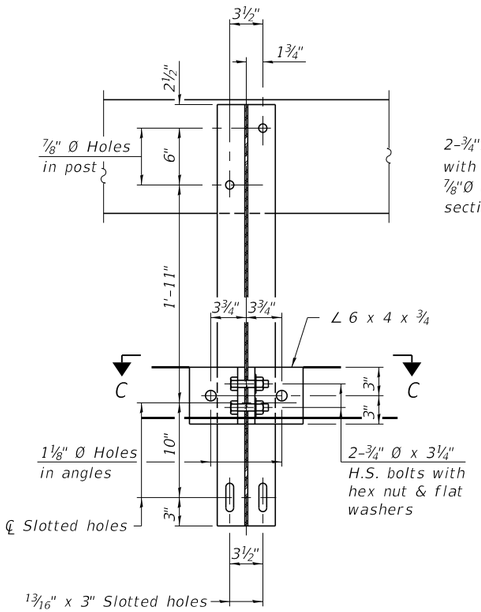
℄ 1/2" x 7" x 6"

Note: Cost of curled end sections shall be included with the Steel Railing. (4 Required)

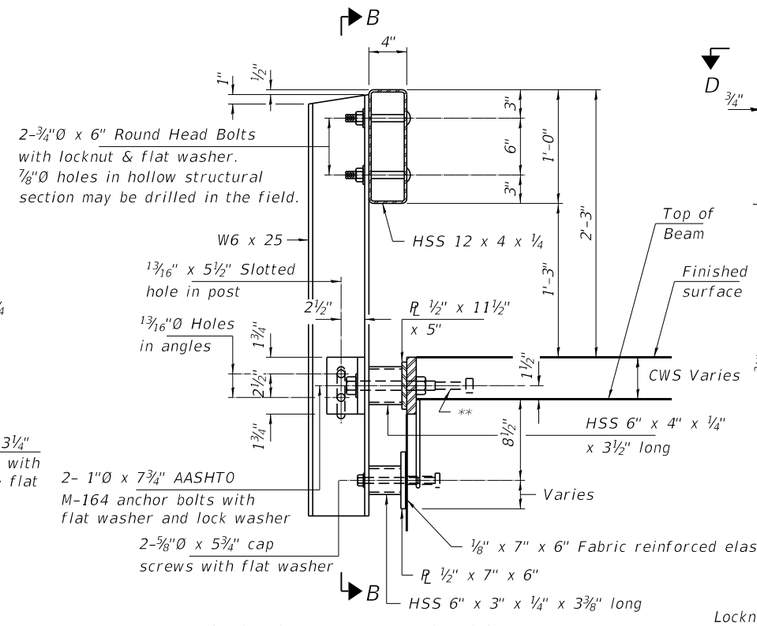


SECTION E–E

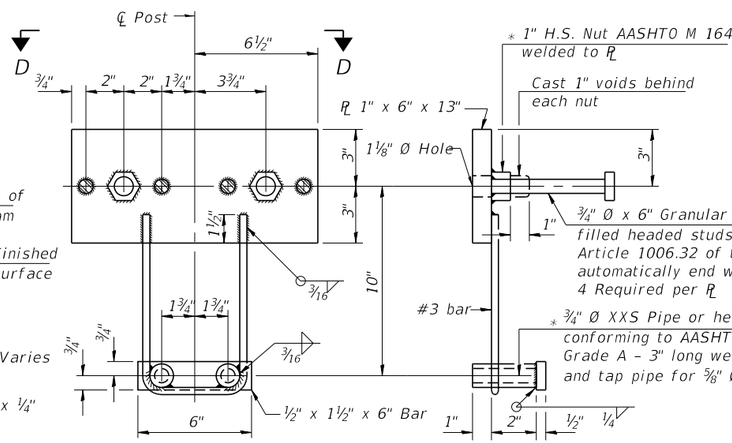
CURLED END SECTION DETAILS



SECTION B–B



SECTION AT RAILING POST



ANCHOR DEVICE

* Threaded areas shall be plugged or blocked off during casting of beam.

SPLICE DIMENSIONS

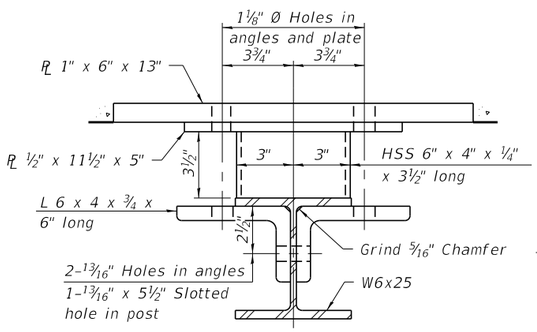
T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	——

T = Total movement at expansion joint as shown on the design plans.

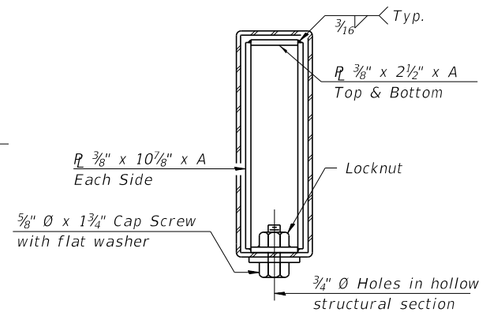
Notes:

For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.

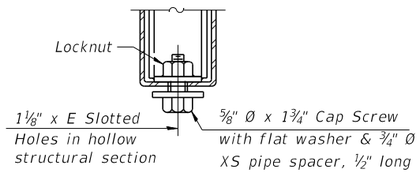
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



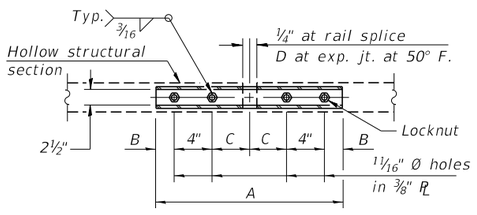
SECTION C–C



SECTIONS AT RAIL SPLICE

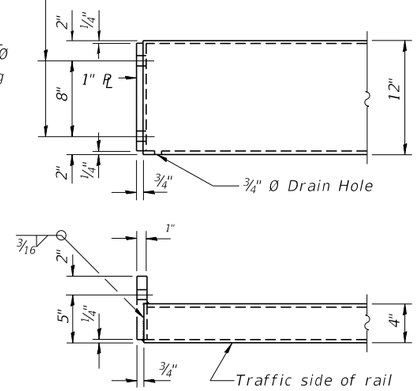


RAIL SPLICE CONNECTION AT EXPANSION JT.

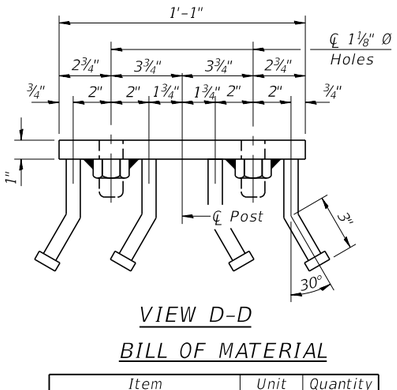


PLAN–BOTT. SPLICE ℄ TYPICAL

1 1/8" Ø Holes for 1" Ø x 4" Round head bolts. Provide 2 flat washers & locknuts for guard rail connection shown on Hwy Std. 631026 or BLR 27-1.



END OF RAIL DETAILS



VIEW D–D

BILL OF MATERIAL

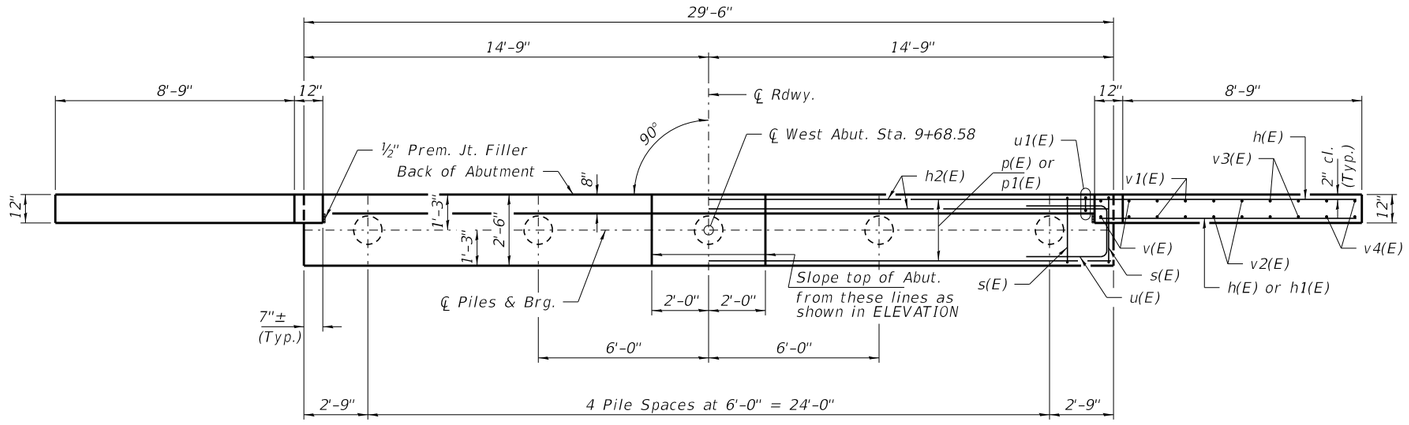
Item	Unit	Quantity
Steel Railing, Type S-1	Foot	124
Terminal Marker, Direct Applied	Each	4

** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.

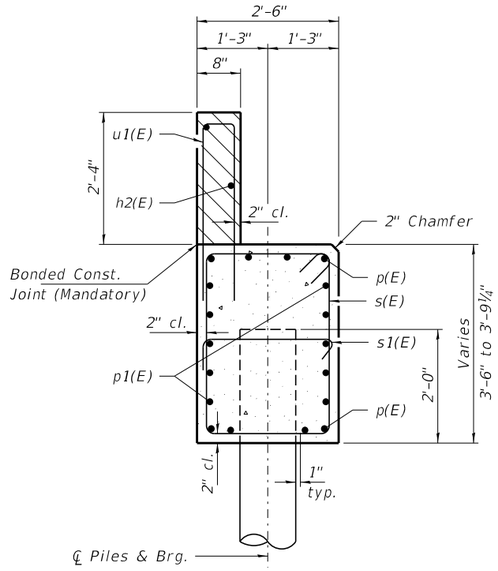
R-23A 2-17-2017 (10'-9" Maximum Post Spacing)

FILE NAME = 210049-sht-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -	STATE OF ILLINOIS DEKALB COUNTY HIGHWAY DEPARTMENT	STEEL RAILING, TYPE S-1 STRUCTURE NO. 019-4214
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -		SHEET NO. 6 OF 12 SHEETS
	PLOT SCALE =	DRAWN - T.D.S.	REVISED -		
	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	11
GENOA ROAD DISTRICT		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



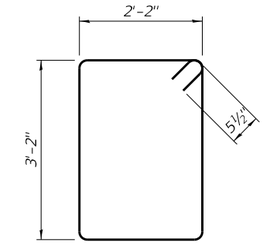
PLAN



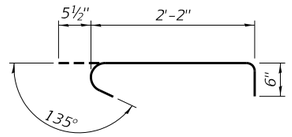
SECTION A-A

Hatched area to be poured after beams are in place.

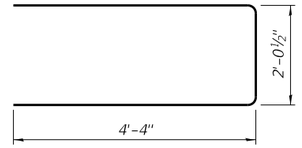
Cast top of wingwall flush with exterior beam face after beams have been erected.



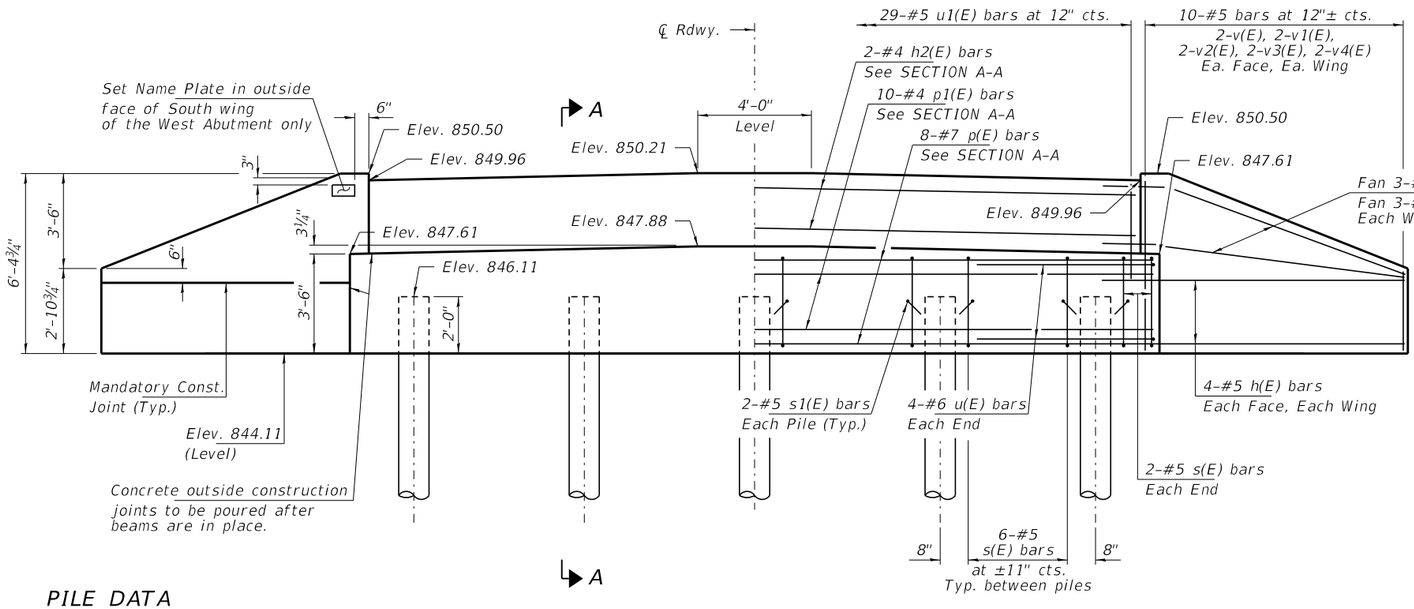
BAR s(E)



BAR s1(E)

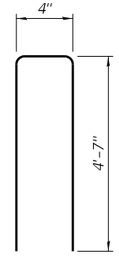


BAR u(E)



ELEVATION
(Looking West)

Note: Extend h(E) bars into abutment cap.



BAR u1(E)

BILL OF MATERIAL - W. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	22	#5	11'-0"	
h1(E)	6	#5	9'-6"	
h2(E)	2	#5	29'-2"	
p(E)	8	#7	29'-2"	
p1(E)	10	#4	29'-2"	
s(E)	28	#5	11'-7"	
s1(E)	10	#5	3'-2"	
u(E)	8	#6	10'-9"	
u1(E)	29	#5	9'-6"	
v(E)	8	#5	5'-11"	
v1(E)	8	#5	5'-1"	
v2(E)	8	#5	4'-3"	
v3(E)	8	#5	3'-5"	
v4(E)	8	#5	2'-7"	
Concrete Structures			Cu. Yd.	14.9
Protective Coat			Sq. Yd.	3
Reinf. Bars, Epoxy Coated			Pound	2,030
Furn. Metal Shell Piles 12"x0.250"			Foot	160
Driving Piles			Foot	160
Pile Shoes			Each	5
Name Plates			Each	1

PILE DATA

Type:_____ Metal Shell Pile 12"x0.250 w/Pile Shoes
Nominal Required Bearing:_____ 315 Kips/Pile
Factored Resistance Available:_____ 173 Kips/Pile
Est. Length:_____ 32 Ft/Pile
No. Production Piles:_____ 5
No. Test Piles:_____ 0

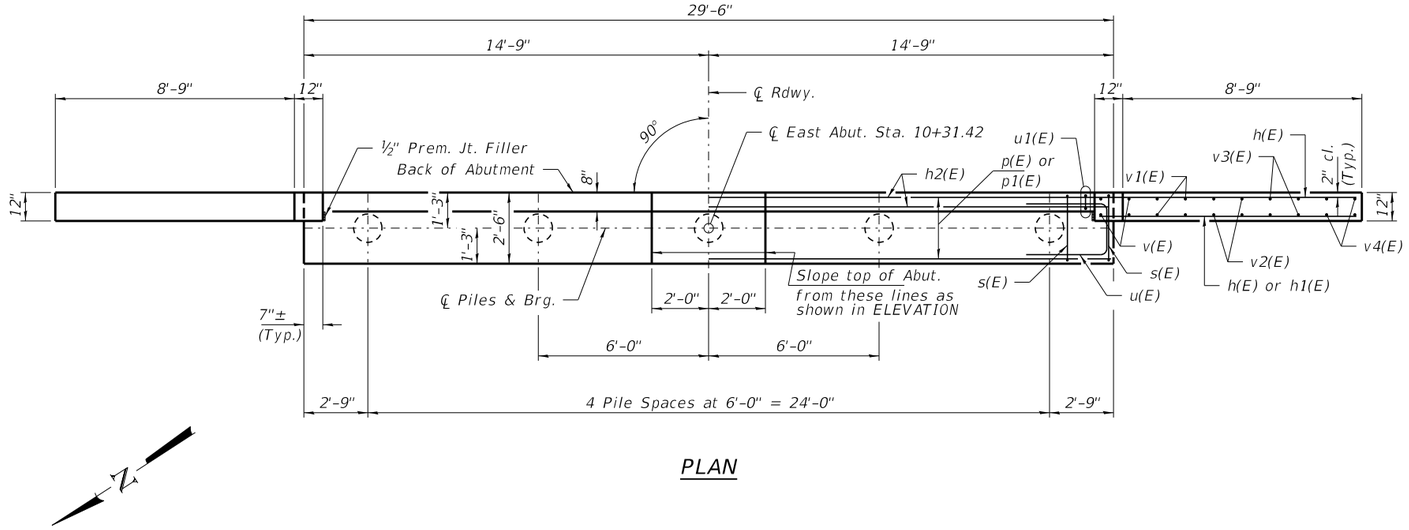
Note: Piles shall be driven to below elevation 828.5 or below.

FILE NAME = 210049-sht-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -	
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.D.S.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -	

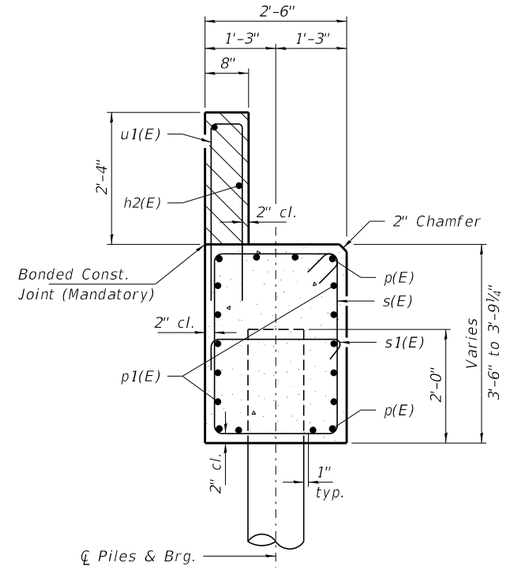
STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

WEST ABUTMENT
STRUCTURE NO. 019-4214
SHEET NO. 7 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	12
GENOA ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



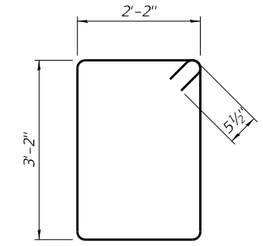
PLAN



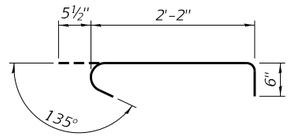
SECTION A-A

Hatched area to be poured after beams are in place.

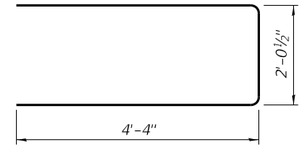
Cast top of wingwall flush with exterior beam face after beams have been erected.



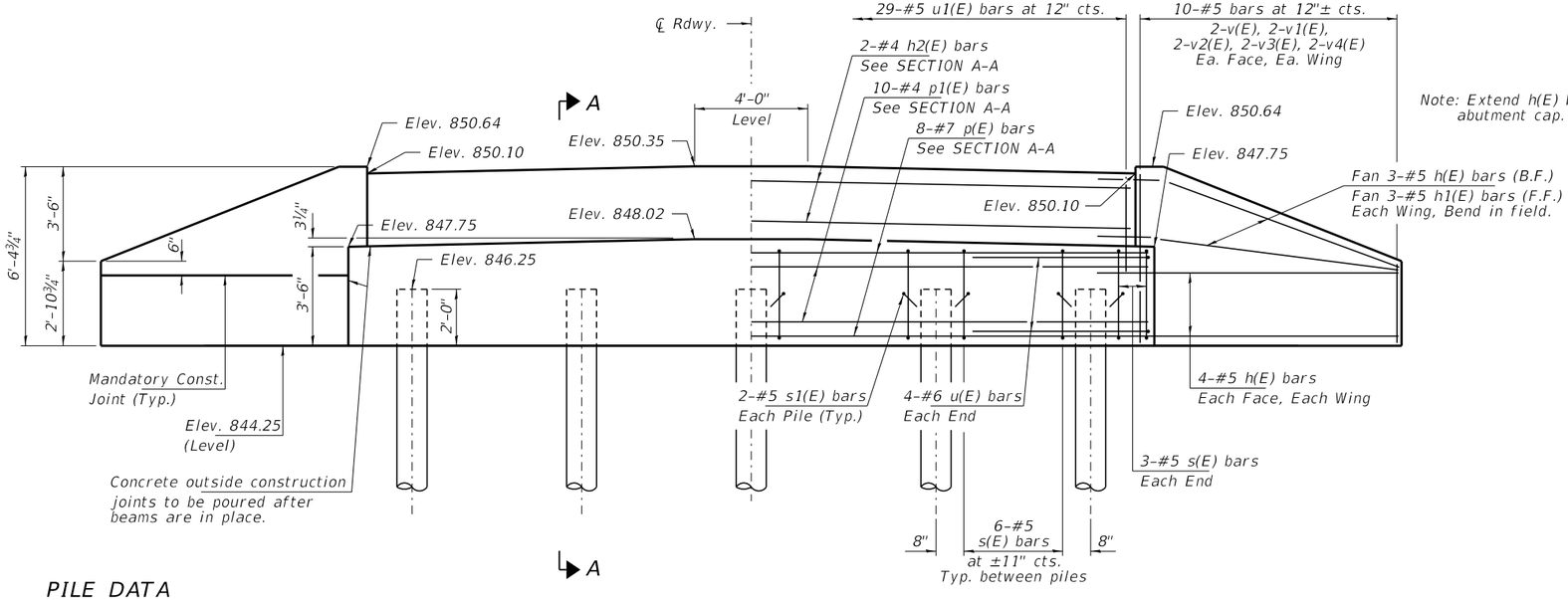
BAR s(E)



BAR s1(E)

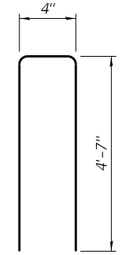


BAR u(E)



ELEVATION
(Looking East)

Note: Extend h(E) bars into abutment cap.



BAR u1(E)

BILL OF MATERIAL - E. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	22	#5	11'-0"	
h1(E)	6	#5	9'-6"	
h2(E)	2	#5	29'-2"	
p(E)	8	#7	29'-2"	
p1(E)	10	#4	29'-2"	
s(E)	28	#5	11'-7"	
s1(E)	10	#5	3'-2"	
u(E)	8	#6	10'-9"	
u1(E)	29	#5	9'-6"	
v(E)	8	#5	5'-11"	
v1(E)	8	#5	5'-1"	
v2(E)	8	#5	4'-3"	
v3(E)	8	#5	3'-5"	
v4(E)	8	#5	2'-7"	
Concrete Structures			Cu. Yd.	14.9
Protective Coat			Sq. Yd.	3
Reinf. Bars, Epoxy Coated			Pound	2,030
Furn. Metal Shell Piles 12"x0.250"			Foot	128
Driving Piles			Foot	128
Pile Shoes			Each	5
Test Pile Metal Shells			Each	1

PILE DATA

Type:_____ Metal Shell Pile 12"x0.250 w/Pile Shoes
Nominal Required Bearing:_____ 315 Kips/Pile
Factored Resistance Available:_____ 173 Kips/Pile
Est. Length:_____ 32 Ft/Pile
No. Production Piles:_____ 4
No. Test Piles:_____ 1

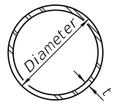
Note: Piles shall be driven to below elevation 828.5 or below.

FILE NAME = 210049-sht-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - T.D.S.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

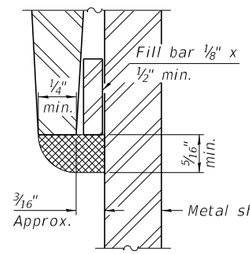
EAST ABUTMENT
STRUCTURE NO. 019-4214
SHEET NO. 8 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	13
GENOA ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

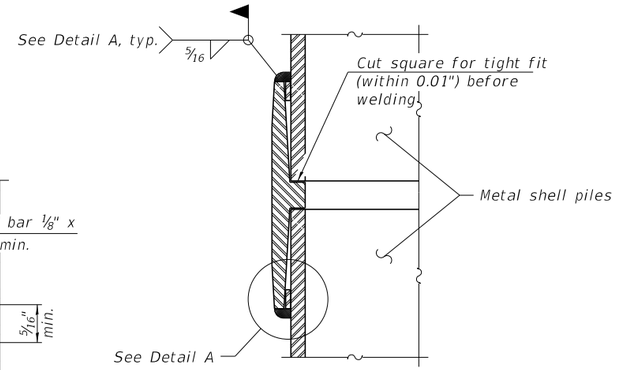


METAL SHELL PILE TABLE

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

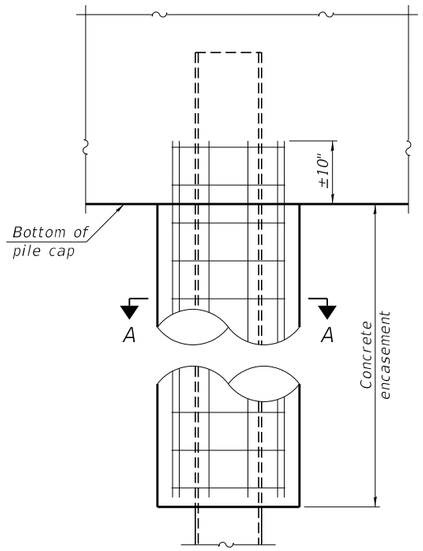


DETAIL A

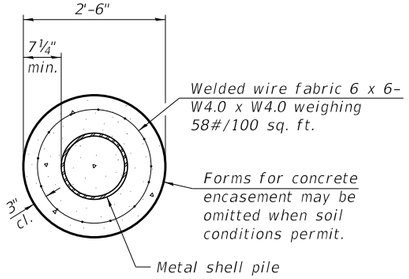


WELDED COMMERCIAL SPLICE

Notes:
The ⅛" x ½" min. fill bar may be constructed of 2 bars with a ⅛" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



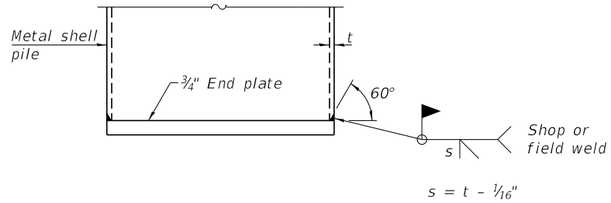
ELEVATION



SECTION A–A

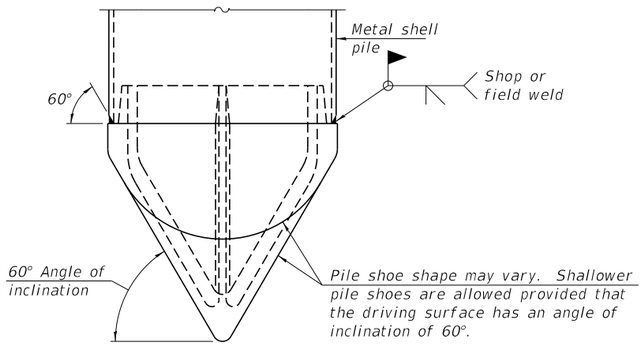
INDIVIDUAL PILE CONCRETE ENCASEMENT

(When specified)



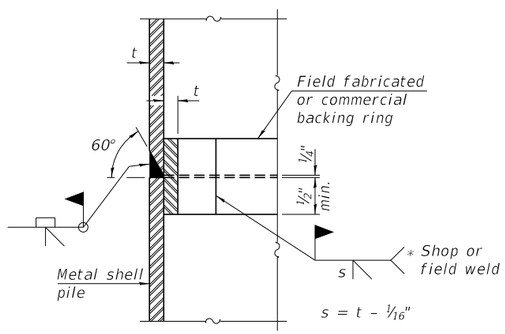
s = t – 1/16"

END PLATE ATTACHMENT



PILE SHOE ATTACHMENT

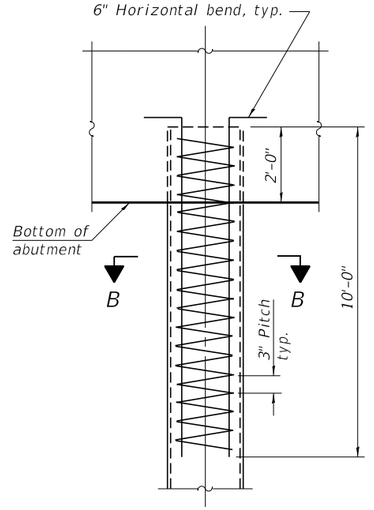
(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80–50 or AASHTO M 103 Grade 65–35 and shall provide full bearing over the full 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).



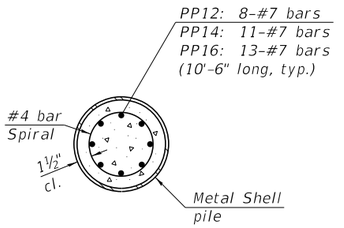
s = t – 1/16"

COMPLETE PENETRATION WELD SPLICE

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



ELEVATION



SECTION B-B

REINFORCEMENT AT ABUTMENTS

(Omit when concrete encasement is specified)

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

F–MS 1-1-2020

FILE NAME = 210049-sht-bridge.dgn	USER NAME =	DESIGNED – I.P.N.	REVISED –
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED – S.W.M.	REVISED –
	PLOT SCALE =	DRAWN – T.D.S.	REVISED –
	PLOT DATE = 5/21/2021	CHECKED – S.W.M.	REVISED –

STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

METAL SHELL PILE DETAILS
STRUCTURE NO. 019-4214
SHEET NO. 9 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	14
GENOA ROAD DISTRICT		CONTRACT NO.		
ILLINOIS	FED. AID PROJECT			

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

BORING LOG

Sheet 1 of 4

Client: Hampton, Lenzini, and Renwick, Inc.
Project Name: New Lebanon Bridge SN 019-4207 DeKalb County
Project Site: DeKalb, Illinois

Boring No. B-1
Surface Elev. 851.84
Auger Depth 71' Rotary Depth NA
Start Date 02/18/21 Finish Date 02/18/21

Location: Centerline of roadway and 35' north of center of existing bridge

DRILLED BY: Jeff Safranski, Diedrich D-120

(DEPTH) ELEV. 851.84	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
850.84			1								
849.84			2								
848.84	Stiff Black And Brown Silty Clay		3	1	SS	1.2	6	B	20		
847.84			4								
846.84			5	2	SS	1.4	7	B	21		
845.84			6								
844.84	Medium Brown Fine To Coarse Sand		7								
843.84			8	3	SS	---	20	---	12		
842.84			9								
841.84	Dense Brown Fine To Coarse Sand		10	4	SS	---	32	---	10		
840.84			11								
839.84			12								
838.84			13	5	SS	---	22	---	8		
837.84			14								
836.84	Medium Gray Fine Gravel		15	6	SS	---	25	---	12		
835.84			16								WATER
834.84			17								
833.84			18	7	SS	---	20	---	---		
832.84			19								
831.84			20	8	SS	---	21	---	---		

Groundwater Data: Static water level at 16' depth.
Comments:

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

BORING LOG

Sheet 2 of 4

Client: Hampton, Lenzini, and Renwick, Inc.
Project Name: New Lebanon Bridge SN 019-4207 DeKalb County
Project Site: DeKalb, Illinois

Boring No. B-1
Surface Elev. 851.84
Auger Depth 71' Rotary Depth NA
Start Date 02/18/21 Finish Date 02/18/21

Location: Centerline of roadway and 35' north of center of existing bridge

DRILLED BY: Jeff Safranski, Diedrich D-120

(DEPTH) ELEV. 830.84	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
829.84			22								
828.84			23	9	SS	---	24	---	---		
827.84			24								
826.84			25								
825.84			26	10	SS	---	22	---	---		
824.84			27								
823.84			28	11	SS	---	24	---	---		
822.84			29								
821.84			30								
820.84	Medium Gray Coarse Sand To Fine Gravel		31	12	SS	---	27	---	---		
819.84			32								
818.84			33								
817.84			34								
816.84			35								
815.84			36	13	SS	---	26	---	---		
814.84			37								
813.84			38								
812.84			39								
811.84			40								
810.84			41	14	SS	---	25	---	---		

Groundwater Data: Static water level at 16' depth.
Comments:

BORING B-1

FILE NAME = 210049-sht-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -
	PLOT SCALE =	DRAWN - T.D.S.	REVISED -
	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

BORINGS
STRUCTURE NO. 019-4214
SHEET NO. 10 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	15
GENOA ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

BORING LOG

Sheet 3 of 4

Client: Hampton, Lenzini, and Renwick, Inc.
Project Name: New Lebanon Bridge SN 019-4207 DeKalb County
Project Site: DeKalb, Illinois

Boring No. B-1
Surface Elev. 851.84
Auger Depth 71' Rotary Depth NA
Start Date 02/18/21 Finish Date 02/18/21

Location: Centerline of roadway and 35' north of center of existing bridge

DRILLED BY: Jeff Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
809.84										
808.84		43								
807.84		44								
806.84		45	15	SS	---	23	---	---		
805.84		46								
804.84		47								
803.84		48								
802.84		49								
801.84	Medium Gray Coarse Sand To Fine Gravel	50	16	SS	---	25	---	---		
800.84		51								
799.84		52								
798.84		53								
797.84		54								
796.84		55								
795.84		56	17	SS	---	25	---	---		
794.84		57								
793.84		58								
792.84		59								
791.84		60								
790.84		61	18	SS	---	27	---	---		
789.84		62								

Groundwater Data: Static water level at 16' depth.
Comments:

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

BORING LOG

Sheet 4 of 4

Client: Hampton, Lenzini, and Renwick, Inc.
Project Name: New Lebanon Bridge SN 019-4207 DeKalb County
Project Site: DeKalb, Illinois

Boring No. B-1
Surface Elev. 851.84
Auger Depth 71' Rotary Depth NA
Start Date 02/18/21 Finish Date 02/18/21

Location: Centerline of roadway and 35' north of center of existing bridge

DRILLED BY: Jeff Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
788.84										
787.84	Medium Gray Coarse Sand To Fine Gravel	64								
786.84		65	19	SS	2.6	14	B	12		
785.84		66								
784.84	Very Stiff Brownish Gray Clay Till	67								
783.84		68								
782.84		69								
781.84		70								
780.84	Bottom Of Boring	71	20	SS	2.8	26	B	12		
779.84		72								
778.84		73								
777.84		74								
776.84		75								
775.84		76								
774.84		77								
773.84		78								
772.84		79								
771.84		80								
770.84		81								
769.84		82								
768.84		83								

Groundwater Data: Static water level at 16' depth.
Comments:

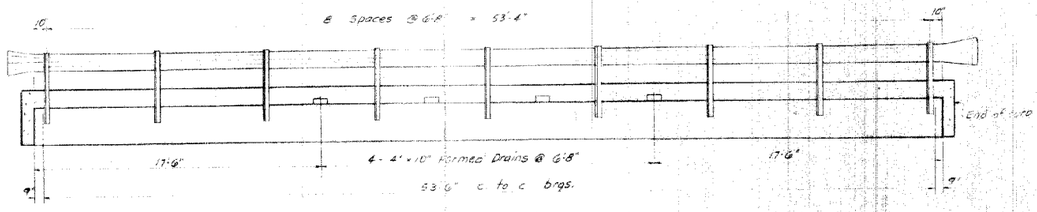
BORING B-1

FILE NAME = 210049-shl-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - T.D.S.	REVISED -	
	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -	

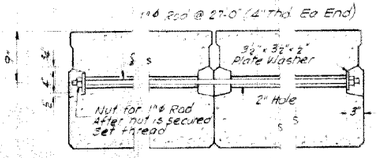
STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

BORINGS
STRUCTURE NO. 019-4214
SHEET NO. 11 OF 12 SHEETS

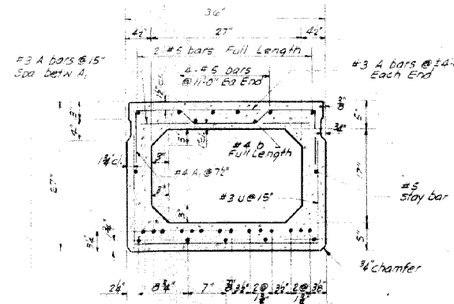
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	16
GENOA ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



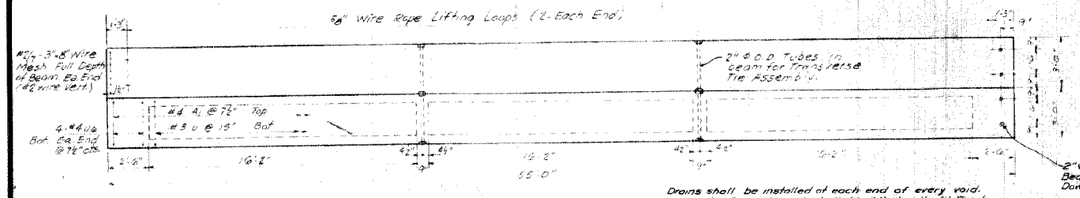
ELEVATION



TRANSVERSE TIE ASSEMBLY

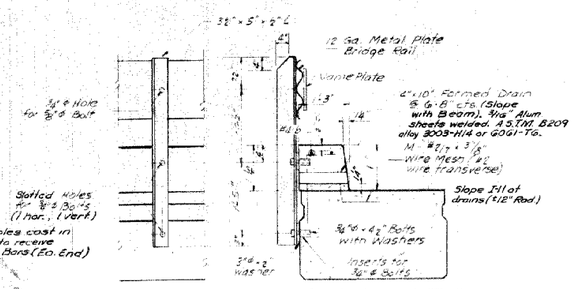


TYPICAL SECTION THRU BEAM

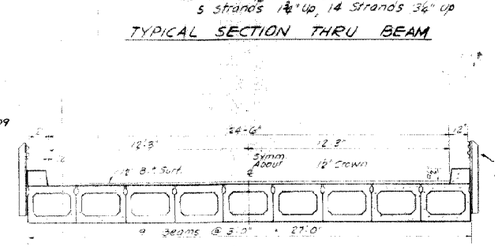


PLAN

Drains shall be installed at each end of every void. Air vents for each void shall be filled with 1:1 Sand & P.C. Mortar prior to placing Bit Surface. Do not fill drain holes for voids.



ELEVATION SECTION THRU CURB



ROADWAY CROSS SECTION

FOR INFORMATION ONLY

GENERAL NOTES

Prestressing wire shall be non-galvanized high strength stress relieved 7-wire strand. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.109 square inches.

Lifting Loops shall be ⅝" diameter, 6 x 19 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 33,000 Lbs.

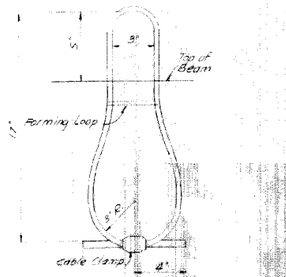
The 1"ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set.

Pockets that receive transverse tie bar on outside beam shall be filled with grout after assembly is in place.

Longitudinal shear keys shall be dry-packed with 1:1 sand and P.C. Mortar.

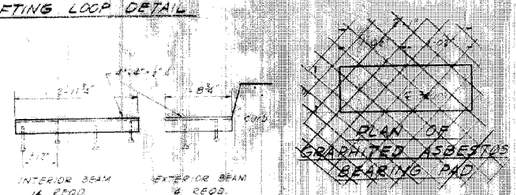
Dowel bars shall be drilled and grouted into place.

Cost of reinforcement and accessories costed into beam, of bearing pads of furnishing and assembling transverse ties of furnishing, drilling and grouting dowel bars, and of grouting longitudinal shear keys is included unit price per sq. ft. of Precast Prestressed Concrete Bridge Deck.



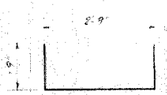
LIFTING LOOP DETAIL

PLAN OF FABRIC BEARING PAD

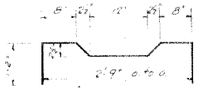


PLAN OF GRAPHITED ASBESTOS BEARING PAD

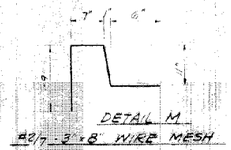
EXPANSION GUARD DETAILS



BAR U-U6



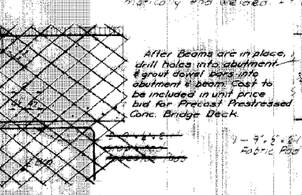
BAR A1



DETAIL M

#2/7 - 3'-8" WIRE MESH

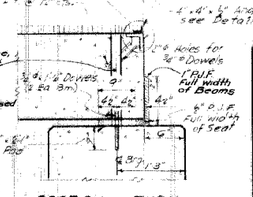
Fabricate and field weld 6" Angles after beams are in place and the Engineer has taken grade elevations



SECTION T-T @ NORTH ABUTMENT

⅜" x 8" CR 1020 Std. Granular or Solid flux filled headed studs automatically end welded 2" ø (Min.)

After Beams are in place, drill holes into abutment & grout dowel bars into abutment & beam. Cost to be included in unit price bid for Precast Prestressed Conc. Bridge Deck.



SECTION THRU SOUTH ABUTMENT & NORTH ABUTMENT

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
b	8	#4	28'-0"	
Precast Prestressed Concrete Bridge Deck - 27"			Sq. Ft.	1485
Class A Concrete			Cu Yds	8.9
Reinforcement Bars			Lbs.	150
Metal Plate Bridge Rail			Lin. Ft.	107
Furnishing & Erecting Structural Steel			Lbs.	800

SABIN BRIDGE OVER COON CREEK
PROJECT #2-1964 GENOA ROAD DIST.
DEKALB COUNTY

SUPERSTRUCTURE

LAYOUT BY: E.W.H. DATE: MARCH 1964
DESIGN BY: D.E.J. DATE: MARCH 1964
CHECKED BY: R.W. DATE: MARCH 1964
APPROVED BY: DATE:

PLANS PREPARED BY
S.W. KNETSCH AND ASSOCIATES
CONSULTING ENGINEERS
DEKALB, ILLINOIS

REVISIONS
BY DATE
R.B.K. 6-9-64

FILE NO. 1847-34

SHEET NO. 4 OF 7 SHEETS

FILE NAME = 210049-sht-bridge.dgn	USER NAME =	DESIGNED - I.P.N.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - T.D.S.	REVISED -	
	PLOT DATE = 5/21/2021	CHECKED - S.W.M.	REVISED -	

STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

EXISTING BRIDGE PLANS
STRUCTURE NO. 019-4214
SHEET NO. 12 OF 12 SHEETS

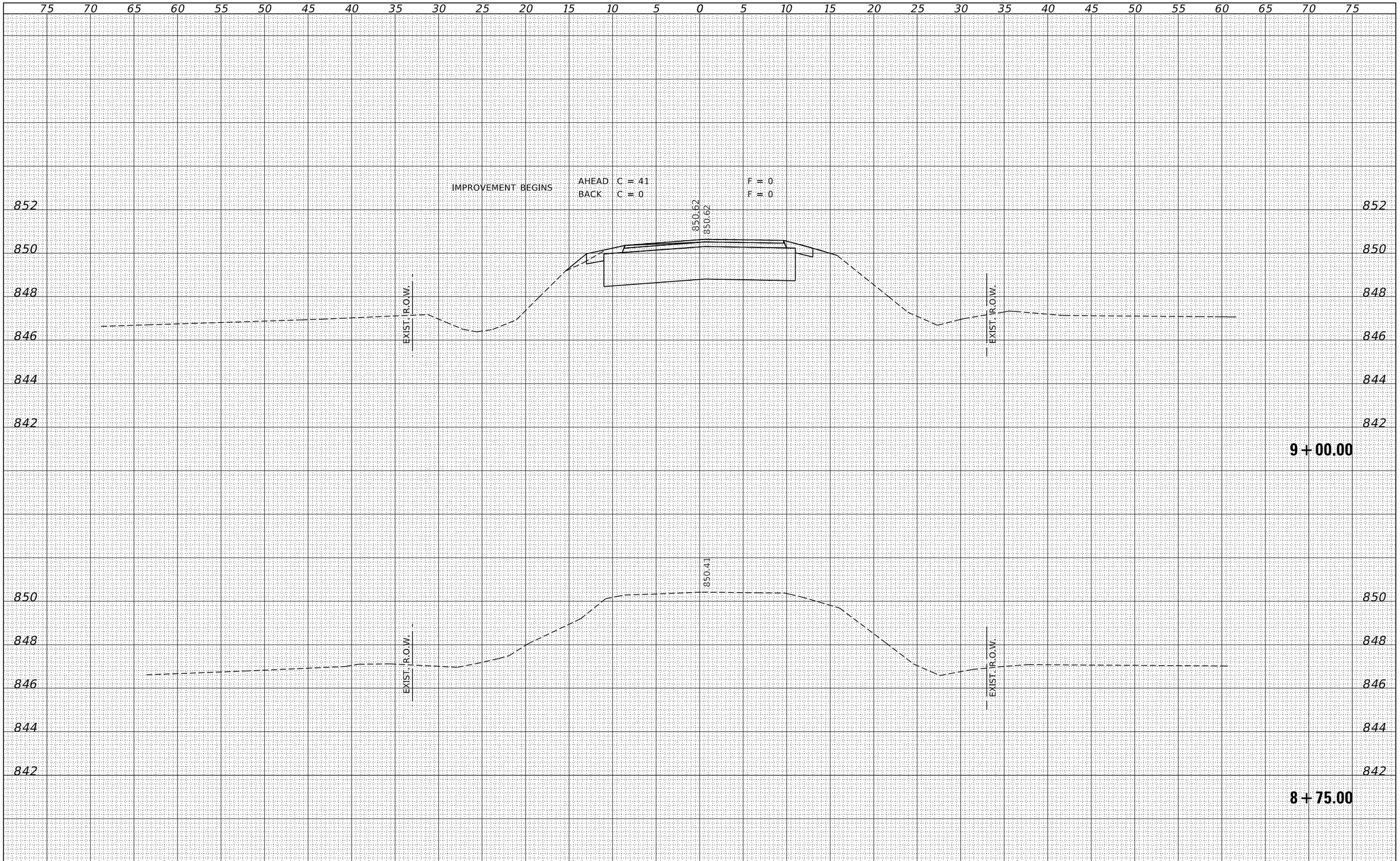
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-06123-00-BR	DEKALB	22	17
GENOA ROAD DISTRICT		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE

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

BY	DATE



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		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 5/21/2021	DATE - 05/21/2021	REVISED -

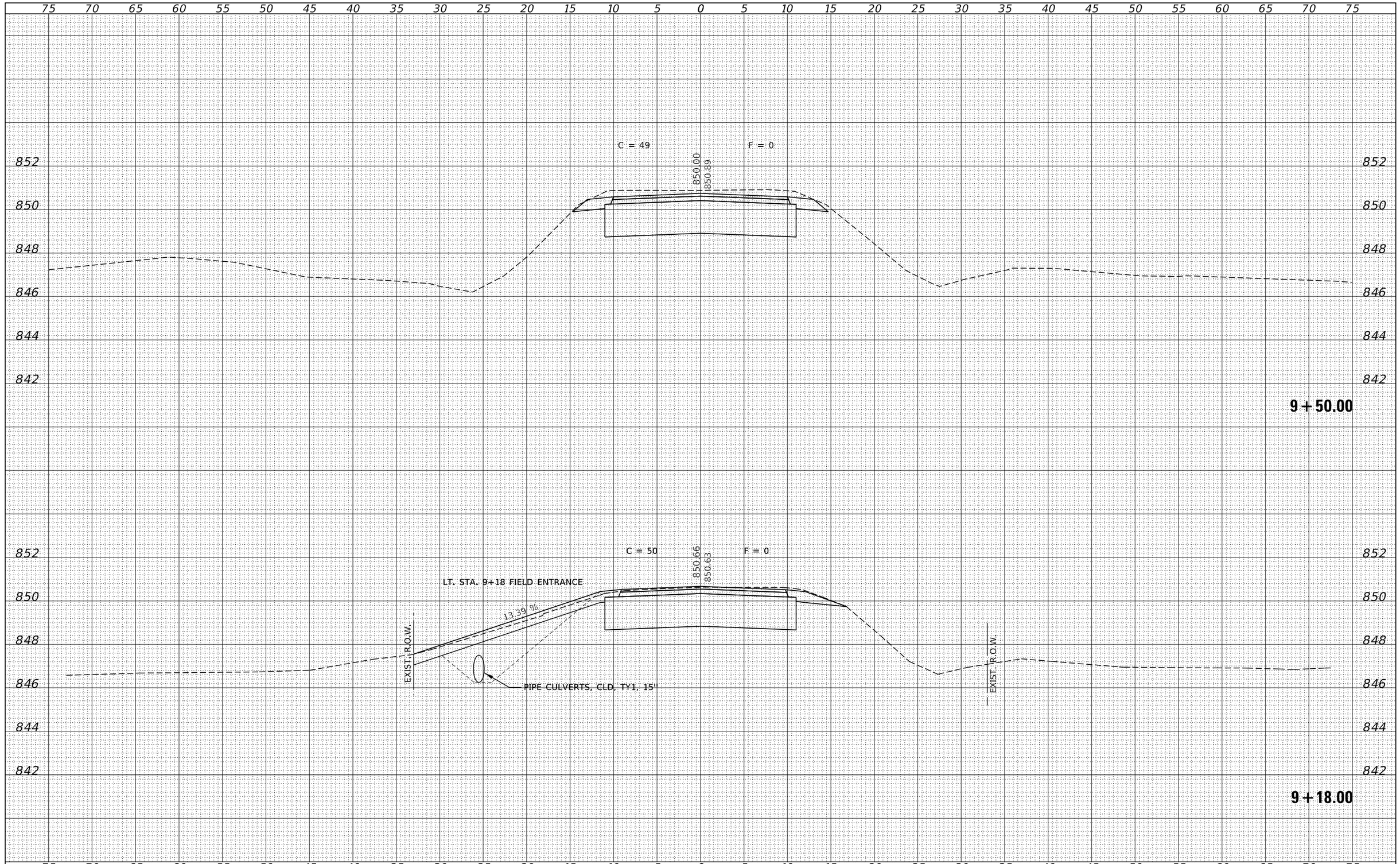
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 1 OF 5 SHEETS | STA. 8+75.00 TO STA. 9+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-03123-00-BR	DEKALB	22	18
GENOA ROAD DISTRICT		CONTRACT NO. 87767		
	ILLINOIS	FED. AID PROJECT X6FH(897)		



FINAL SURVEY

NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY

NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

FILE NAME = 210049-sht-xssheets.dgn	USER NAME = rhoslck	DESIGNED - J.W.F.	REVISED -
		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 5/21/2021	DATE - 05/21/2021	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 2 OF 5 SHEETS | STA. 9+18.00 TO STA. 9+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-03123-00-BR	DEKALB	22	19
GENOA ROAD DISTRICT		CONTRACT NO. 87767		
	ILLINOIS	FED. AID PROJECT X6FH(897)		

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

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

840 838 836 852 850 848 846 844 842 840 838 836

EXIST. R.O.W.

839.70

EXIST. R.O.W.

10 + 00.00

9 + 68.58

BK. WEST ABUT.

AHEAD C = 0 F = 0

BACK C = 47 F = 5

C = 47 F = 5

850.78 850.89

1:2.5

1:2.5

EXIST. R.O.W.

EXIST. R.O.W.

9 + 66.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FILE NAME = 210049-sht-xssheets.dgn

USER NAME = rhosick

PLOT SCALE = $SCALE$

PLOT DATE = 5/21/2021

DESIGNED - J.W.F.

DRAWN - T.W.K.

CHECKED - S.W.M.

DATE - 05/21/2021

REVISED -

REVISED -

REVISED -

REVISED -

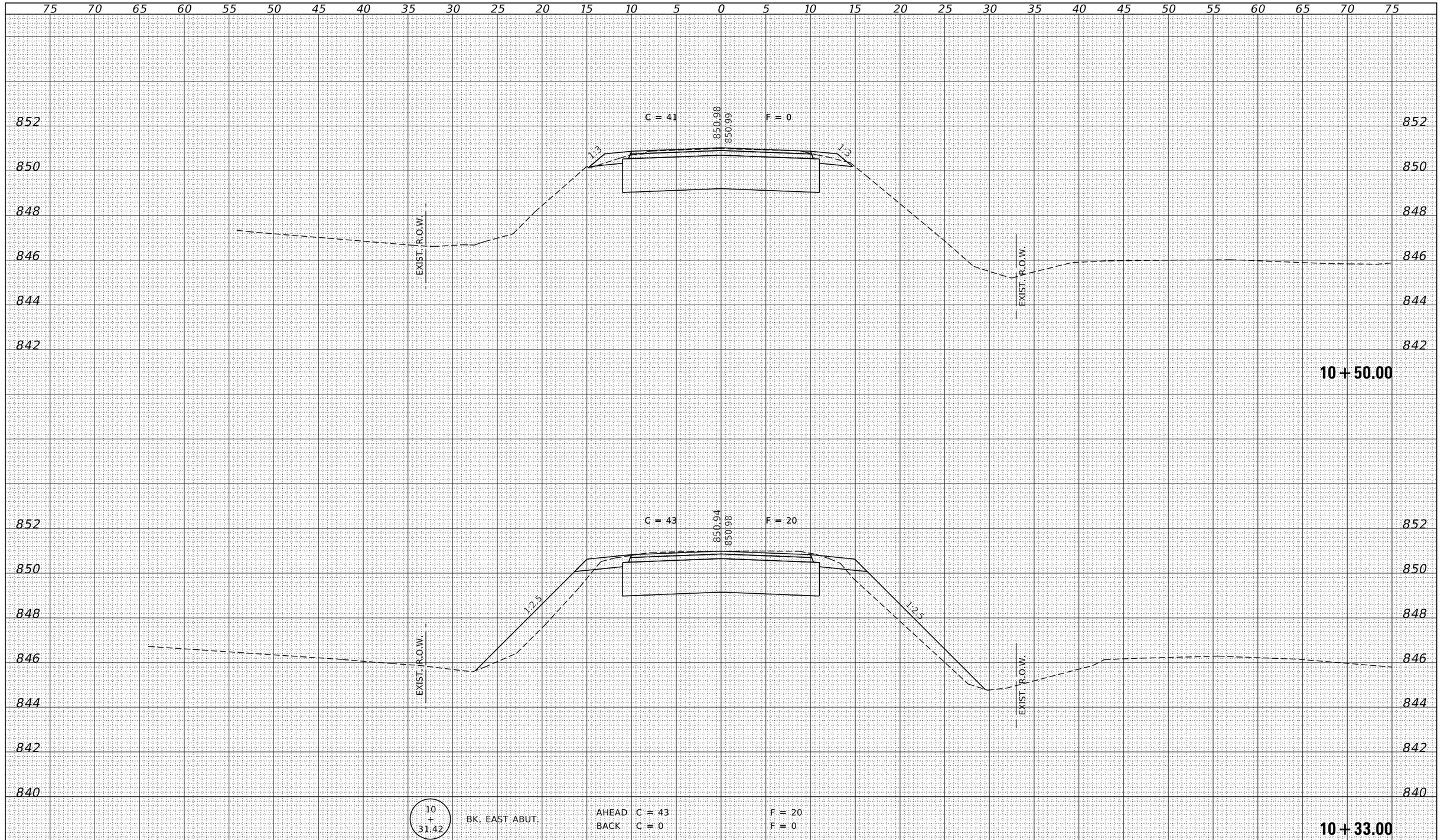
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 3 OF 5 SHEETS | STA. 9+66.00 TO STA. 10+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-03123-00-BR	DEKALB	22	20
GENOA ROAD DISTRICT		CONTRACT NO. 87767		
ILLINOIS	FED. AID PROJECT X6FH(897)			



FINAL SURVEY

NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY

NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

FILE NAME = 210049-sht-xssheets.dgn	USER NAME = rhoslck	DESIGNED - J.W.F.	REVISED -
		DRAWN - T.W.K.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 5/21/2021	DATE - 05/21/2021	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

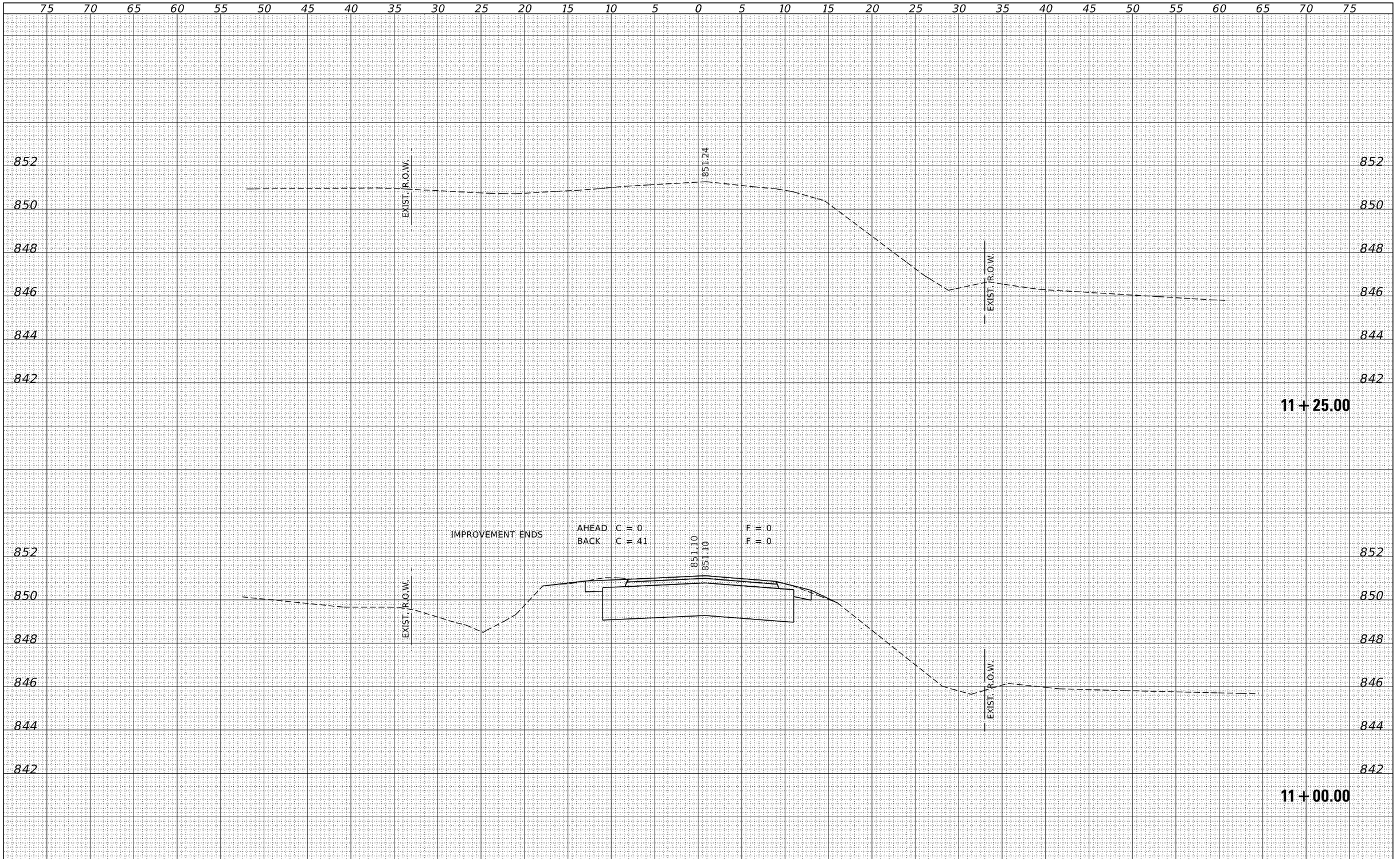
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 4 OF 5 SHEETS | STA. 10+33.00 TO STA. 10+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-03123-00-BR	DEKALB	22	21
GENOA ROAD DISTRICT		CONTRACT NO. 87767		
	ILLINOIS	FED. AID PROJECT X6FH(897)		

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

BY	DATE



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

BY	DATE

FILE NAME = 210049-sht-xssheets.dgn	USER NAME = rhoslck	DESIGNED - J.W.F.	REVISED -
		DRAWN - T.W.K.	REVISED -
PLOT SCALE = $SCALE$		CHECKED - S.W.M.	REVISED -
PLOT DATE = 5/21/2021		DATE - 05/21/2021	REVISED -

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STATE OF ILLINOIS
DEKALB COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 5 OF 5 SHEETS | STA. 11+00.00 TO STA. 11+25.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
244	17-03123-00-BR	DEKALB	22	22
GENOA ROAD DISTRICT		CONTRACT NO. 87767		
	ILLINOIS	FED. AID PROJECT X6FH(897)		