04-23-2021 LETTING ITEM 092

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	1
FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 87764		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM–BRIDGE
BUREAU COUNTY
SECTION 12–00241–00–BR
F.A.S. 1246 (CH 24) OVER
BRANCH OF POND CREEK
PROJECT NO. S43W(369)
JOB NUMBER C–93–003–21

INDEX OF SHEETS

HIGHWAY STANDARDS (INCLUDED IN PROPOSAL)

000001–08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001–07 TEMPORARY EROSION CONTROL SYSTEMS
515001–04 NAME PLATE FOR BRIDGES
630301–09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701001–02 OFF–RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006–05 OFF–RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011–04 OFF–RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301–04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
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
BLR 26–3 STEEL PLATE BEAM GUARDRAIL 29" (731mm) HEIGHT
BLR 27–1 TRAFFIC BARRIER TERMINAL TYPE 5A

UTILITY COMPANIES

AMEREN ILLINOIS
LASALLE, ILLINOIS

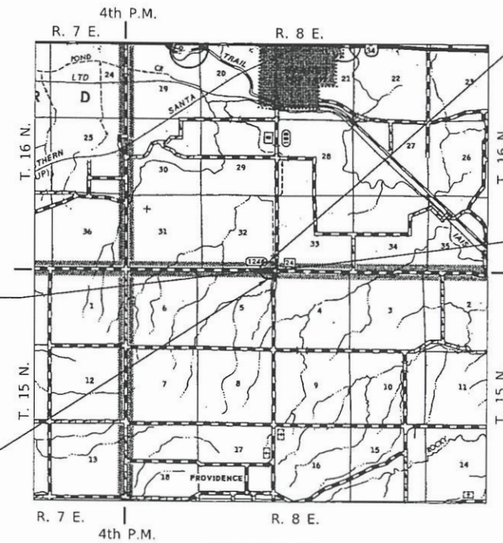
FRONTIER COMMUNICATIONS
ROSEVILLE, ILLINOIS

AT&T
OAK BROOK, ILLINOIS

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

CONTRACT NO. 87764

SCALES
PLAN / PROFILE HORIZ. — 50' 0 50'
PROFILE VERT. — 5' 0 5'
CROSS SECTIONS HORIZ. / CROSS SECTIONS VERT. — 5' 0 5'



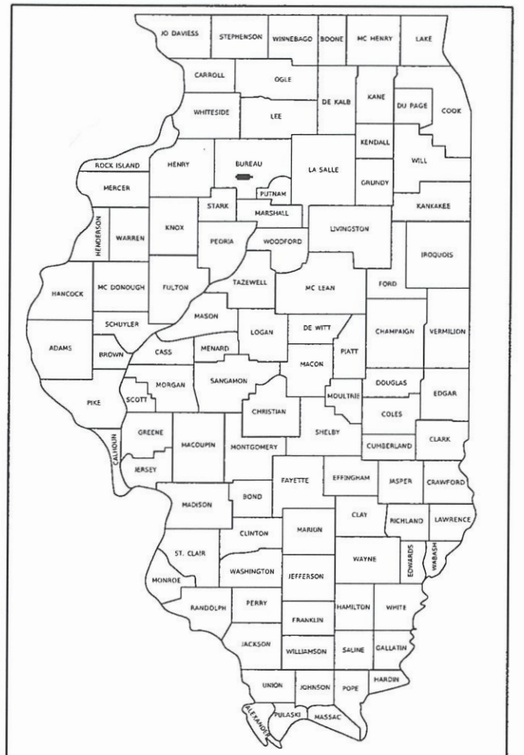
LOCATION MAP
1 MI 0 1 MI
APPROXIMATE SCALE

PROPOSED STRUCTURE SN 006-3104
SINGLE SPAN 21" PPC DECK BEAM SUPERSTRUCTURE ON CONCRETE SPILL-THRU PILE BENT ABUTMENTS, 48'-0" BK TO BK, AND 30'-0" O TO O DECK, NO SKEW

SECTION 12-00241-00-BR ENDS STATION 21+59.68

SECTION 12-00241-00-BR BEGINS STATION 18+50.00

EXISTING STRUCTURE NO. 006-3100
THREE SPAN PRECAST NELSON BEAM BRIDGE ON TIMBER PILE BENT PIERS AND TIMBER PILE BENT ABUTMENTS, ALL WITH CONCRETE CAPS, ±52'-0" BK TO BK, AND 30'-0" O TO O DECK, NO SKEW. (TO BE REMOVED)



LOCATION OF SECTION INDICATED THUS: –

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

NET LENGTH OF PROJECT = 309.68 FEET = 0.059 MILES

DESIGN CLASSIFICATION: MAJOR COLLECTOR (NON-URBAN)
DESIGN ADT: 330 (2021)
DESIGN SPEED: 40 MPH

Hutchison Engineering, Inc.
JACKSONVILLE–SHOREWOOD
PEORIA–QUAD CITIES
2021 JOB#3547

DATE: 2/15/21
STEVEN T. MEYER
062-066271
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
EXP: 11/30/2021
SIGNATURE
ENGINEER'S SEAL

PLANS DESIGNED IN ACCORDANCE WITH BUREAU OF LOCAL ROADS AND STREETS MANUAL GUIDELINES FOR TWO LANE RURAL COLLECTORS - RECONSTRUCTION

APPROVED February 19th 2021
BUREAU COUNTY ENGINEER

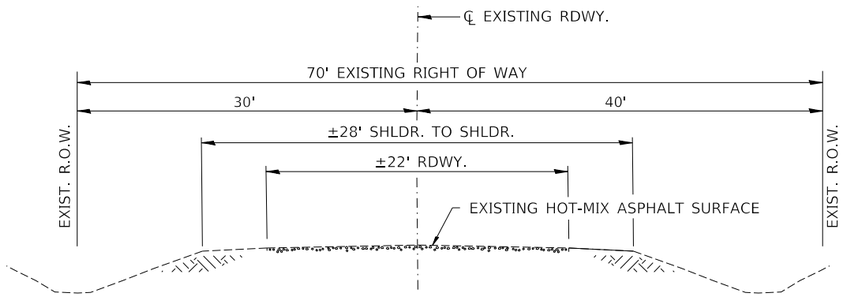
PASSED FEBRUARY 22, 2021
DISTRICT THREE ENGINEER OF LOCAL ROADS & STREETS

Released For Bid Based on Limited Review FEBRUARY 22, 2021
REGION TWO ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

3547E001

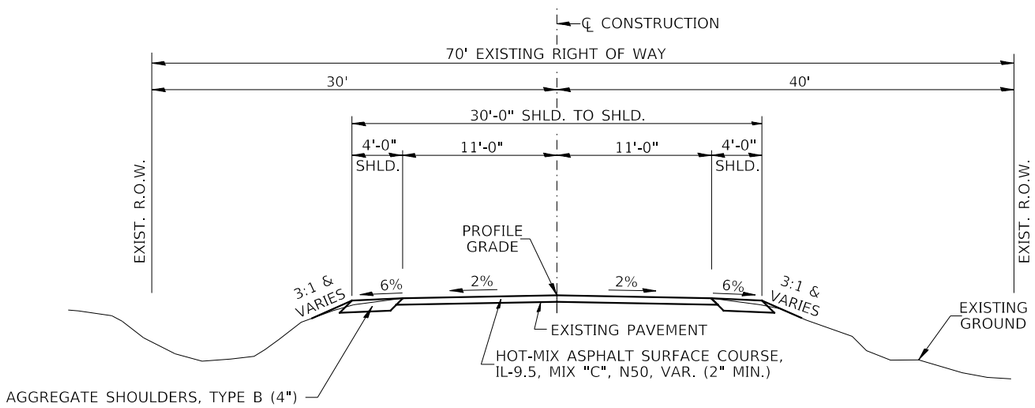
HOT–MIX ASPHALT MIXTURE REQUIREMENTS

	HMA SURFACE
LOCATION(S):	ENTIRE PROJECT
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50
MIXTURE COMPOSITION:	IL-9.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHT:	112#/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA
SUBLOT SIZE:	N/A
DENSITY TEST METHOD:	LR 1030



EXISTING TYPICAL SECTION

(LOOKING EAST)



PROPOSED TYPICAL SECTION

(LOOKING EAST)

STA. 18+50.00 TO STA. 19+76.00
STA. 20+24.00 TO STA. 21+59.68

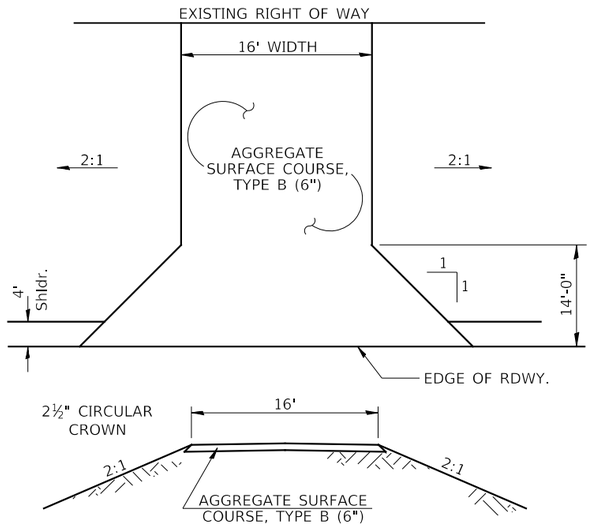
EXCEPT TRANSITIONS

BRIDGE OMISSION
STA. 19+76.00 TO STA. 20+24.00

CONSTRUCT GUARDRAIL SHOULDER WIDENING IN ACCORDANCE WITH STD 630301

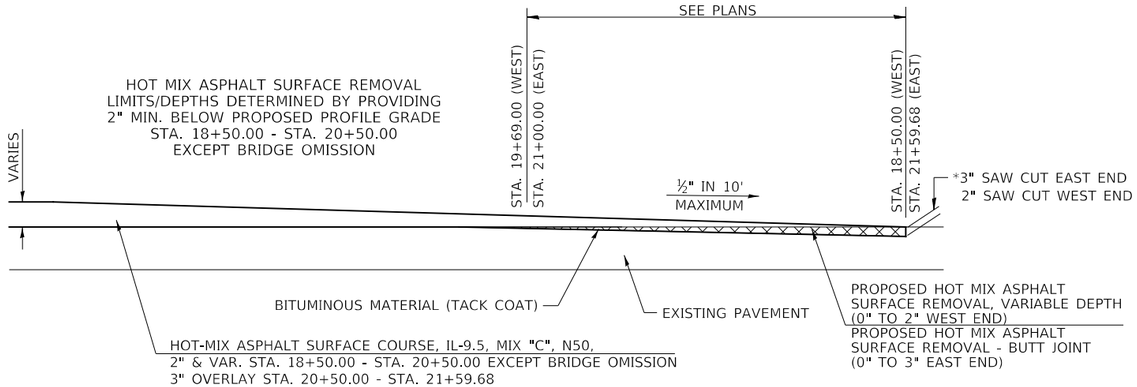
COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.



PROPOSED FIELD ENTRANCES

STA 18+80 RT
STA 19+30 LT
STA 20+84 RT



PAVEMENT REMOVAL DETAIL

*COST INCLUDED IN SURFACE REMOVAL.

GENERAL NOTES

ANY ADDITIONAL REMOVAL OF EXISTING HOT-MIX ASPHALT SURFACE AND GRAVEL OR CRUSHED STONE BASE COURSE WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE NEW BRIDGE SHALL BE REMOVED AS STRUCTURE EXCAVATION AND NO COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

THE PROFILE GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND IN THE STATION CROSS SECTIONS ARE TO THE TOP OF THE FINISHED SURFACE.

ALL EXISTING DRAINAGE STRUCTURES NOT BEING REMOVED BY THE CONTRACTOR THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY, ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE FINAL SURFACE OF ALL DISTURBED/EMBANKMENT AREAS SHALL BE SEEDED. THE TOP 4 INCHES OF THE SEEDED AREAS SHALL BE COHESIVE VEGETATION SUSTAINING SOIL SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF SHAPING THE SLOPES AND PROVIDING VEGETATION SUSTAINING SOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. TOPSOIL MAY BE STRIPPED AND STOCKPILED FROM THE SITE OR HAULED IN FROM AN ALTERNATE LOCATION AS APPROVED BY THE ENGINEER.

ALL ELEVATIONS SHOWN REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

FILE NAME = V\3547 - CH 24 over Branch of Pond Creek (Bureau)\Updated Plans - December 2020\3547t001.dgn	USER NAME = SMierzwa	DESIGNED - S.T.M.	REVISED -
		DRAWN - J.P.S.	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - S.T.M.	REVISED -
	PLOT DATE = 2/14/2021	DATE - 2/14/2021	REVISED -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

GENERAL NOTES, TYPICAL SECTIONS, PAVEMENT DESIGN INFORMATION, DETAILS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 18+50.00 TO STA. 21+59.68

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	2
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	QUANTITY
SP	20200100	EARTH EXCAVATION	CU YD	35
	20300100	CHANNEL EXCAVATION	CU YD	50
SP	20700220	POROUS GRANULAR EMBANKMENT	CU YD	29.6
BDE	25100630	EROSION CONTROL BLANKET	SQ YD	968
BDE	28000400	PERIMETER EROSION BARRIER	FOOT	580
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	45
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	363
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	295
BDE	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	134
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	34
SP	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
BDE	50300225	CONCRETE STRUCTURES	CU YD	24.3
BDE	50300280	CONCRETE ENCASEMENT	CU YD	2.6
	50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1,385
	50800105	REINFORCEMENT BARS	POUND	2,760
	51200957	FURNISHING METAL SHELL PILES 12"X0.250"	FOOT	280
	51202305	DRIVING PILES	FOOT	280
	51203200	TEST PILE METAL SHELLS	EACH	2
	51500100	NAME PLATES	EACH	1
	58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	160
	58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	125
△ BDE	63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
△ BDE	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
	67100100	MOBILIZATION	L SUM	1
△	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
SP	X2501100	SEEDING, CLASS 3 (SPECIAL)	ACRE	0.2
SP	X2810208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	300
SP	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	291
SP	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
△ BDE	XX006199	STEEL BRIDGE RAIL, TYPE SM (SPECIAL)	FOOT	96
CS	Z0013798	CONSTRUCTION LAYOUT	L SUM	1

SP: SEE SPECIAL PROVISIONS
BDE: SEE BUREAU OF DESIGN AND ENVIRONMENT CHECK SHEET
CS: SEE CHECK SHEET FOR RECURRING SPECIAL PROVISIONS
NOTE: PAVEMENT MARKING DONE BY OTHERS
△ SPECIALTY ITEMS

CONSTRUCTION CODE TYPE: 0010
BRIDGE CODE TYPE: X080

EARTHWORK SUMMARY

STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	FILL	WASTE (SHORTAGE)
	CU YD	CU YD	CU YD	CU YD	CU YD
RDWY 18+50.00 - 19+76.00	19			4	10
RDWY 20+24.00 - 21+59.68	14			17	(7)
CHANNEL		50			
STRUCTURE			95		
TOTAL	33	50	95	21	3
USE	35	50	*95	-	3

*STRUCTURE EXCAVATION SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 502 OF THE STANDARD SPECIFICATIONS. INDIVIDUAL PAYMENT FOR STRUCTURE EXCAVATION WILL NOT BE MADE, BUT SHALL BE IN ACCORDANCE WITH SECTION 502.13. (@ 25% SHRINKAGE)

PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	FOOT
18+50 - 19+76	LEFT	130
18+50 - 19+76	RIGHT	130
20+24 - 21+62	LEFT	165
20+24 - 21+51	RIGHT	155
TOTAL		580

EROSION CONTROL BLANKET

STATION TO STATION	SIDE	WIDTH	LENGTH	AREA (SQ YD)
18+50 - 19+22	LEFT	VARIES	72'	120
18+50 - 18+73	RIGHT	VARIES	23'	58
18+88 - 19+76	RIGHT	VARIES	88'	239
19+38 - 19+76	LEFT	VARIES	38'	58
20+24 - 21+43	LEFT	VARIES	119'	174
20+24 - 20+79	RIGHT	VARIES	55'	143
20+88 - 21+51	RIGHT	VARIES	63'	145
21+44 - 21+62	LEFT	VARIES	18'	31
TOTAL				968

AGGREGATE SURFACE COURSE, TYPE B

STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON
ENTRANCE - 18+80 RT	0.50'	16' & VAR.	14.00'	15
ENTRANCE - 19+30 LT	0.50'	16' & VAR.	14.00'	15
ENTRANCE - 20+84 RT	0.50'	16' & VAR.	14.00'	15
TOTAL				45

PAVEMENT SCHEDULE

STATION TO STATION	WIDTH	THICKNESS	LENGTH	BITUMINOUS MATERIALS (TACK COAT) 0.05 LBS/SQ FT	HOT-MIX ASPHALT SURFACE CSE 112#/SQ YD/IN
				POUND	TON
18+50.00 - 19+76.00	22.34' AVG.	——	126.00'	141	
20+24.00 - 20+50.00	22.48' AVG.	——	26.00'	29	
20+50.00 - 21+00.00	23.32' AVG.	——	50.00'	58	
21+00.00 - 21+59.68	VARIES	——	59.68'	135	
18+50.00 - 19+76.00	22.17' AVG.	0.17' AVG.	126.00'		35
BRIDGE DECK	30.00'	0.15' AVG.	48.00'		17
20+24.00 - 20+50.00	22.24' AVG.	0.24' AVG.	26.00'		10
20+50.00 - 21+00.00	23.16' AVG.	0.25'	50.00'		22
21+00.00 - 21+59.68	VARIES	0.25'	59.68'		50
TOTAL				363	134

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

STATION TO STATION	WIDTH	LENGTH	SQ YD
18+50.00 - 19+69.00	22.00'	119.00'	291
TOTAL			291

AGGREGATE SHOULDERS, TYPE B

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
18+50.00 - 19+00.00	LEFT	3.09' AVG.	50.00'	4
18+50.00 - 18+59.00	RIGHT	1.68' AVG.	9.00'	1
19+00.00 - 19+10.00	LEFT	4.00'	10.00'	1
19+00.00 - 19+76.00	RIGHT	4.00'	76.00'	7
19+50.00 - 19+76.00	LEFT	4.00'	26.00'	2
20+24.00 - 21+00.00	LEFT	4.00'	76.00'	7
20+24.00 - 20+64.00	RIGHT	4.00'	40.00'	4
21+00.00 - 21+63.39	LEFT	2.23' AVG.	83.60'	4
21+04.87 - 21+52.78	RIGHT	2.47' AVG.	66.26'	4
TOTAL				34

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

STATION TO STATION	WIDTH	LENGTH	SQ YD
21+00.00 - 21+59.68	VARIES	59.68'	295
TOTAL			295

TRAFFIC BARRIER TERMINAL, TYPE 5A

STATION TO STATION	SIDE	EACH
19+62.75 - 19+76.00	RIGHT	1
20+24.00 - 20+37.25	LEFT	1
TOTAL		2

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

STATION TO STATION	SIDE	EACH
19+12.75 - 19+62.75	RIGHT	1
20+37.25 - 20+87.25	LEFT	1
TOTAL		2

FILE NAME = V:\3547 - CH 24 over Branch of Pond Creek (Bureau)\Updated Plans - December 2020\3547q001.dgn
USER NAME = SMierzwa
PLOT SCALE = 100.0000 ' / in.
PLOT DATE = 2/14/2021

DESIGNED - S.T.M.
DRAWN - M.M.O.
CHECKED - S.T.M.
DATE - 2/14/2021

REVISED -
REVISED -
REVISED -
REVISED -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

SUMMARY OF QUANTITIES,
SCHEDULES OF QUANTITIES

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 18+50.00 TO STA. 21+59.68

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	3
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

1 — ROAD CLOSED 4 1/2 MILES AHEAD LOCAL TRAFFIC ONLY — R11-3
ROAD CLOSED 4 1/2 MILES AHEAD LOCAL TRAFFIC ONLY

2 — ROAD CLOSED 2 MILES AHEAD LOCAL TRAFFIC ONLY — R11-3
ROAD CLOSED 2 MILES AHEAD LOCAL TRAFFIC ONLY

3 — ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY — R11-3
ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY

4 — COUNTY HIGHWAY 24 WEST CLOSED 1 MILE AHEAD — M3-1
COUNTY HIGHWAY 24 WEST CLOSED 1 MILE AHEAD

5 — COUNTY HIGHWAY 24 WEST CLOSED 1 1/2 MILE AHEAD — M3-1
COUNTY HIGHWAY 24 WEST CLOSED 1 1/2 MILE AHEAD

6 — ROAD CLOSED AHEAD — W20-3
ROAD CLOSED AHEAD

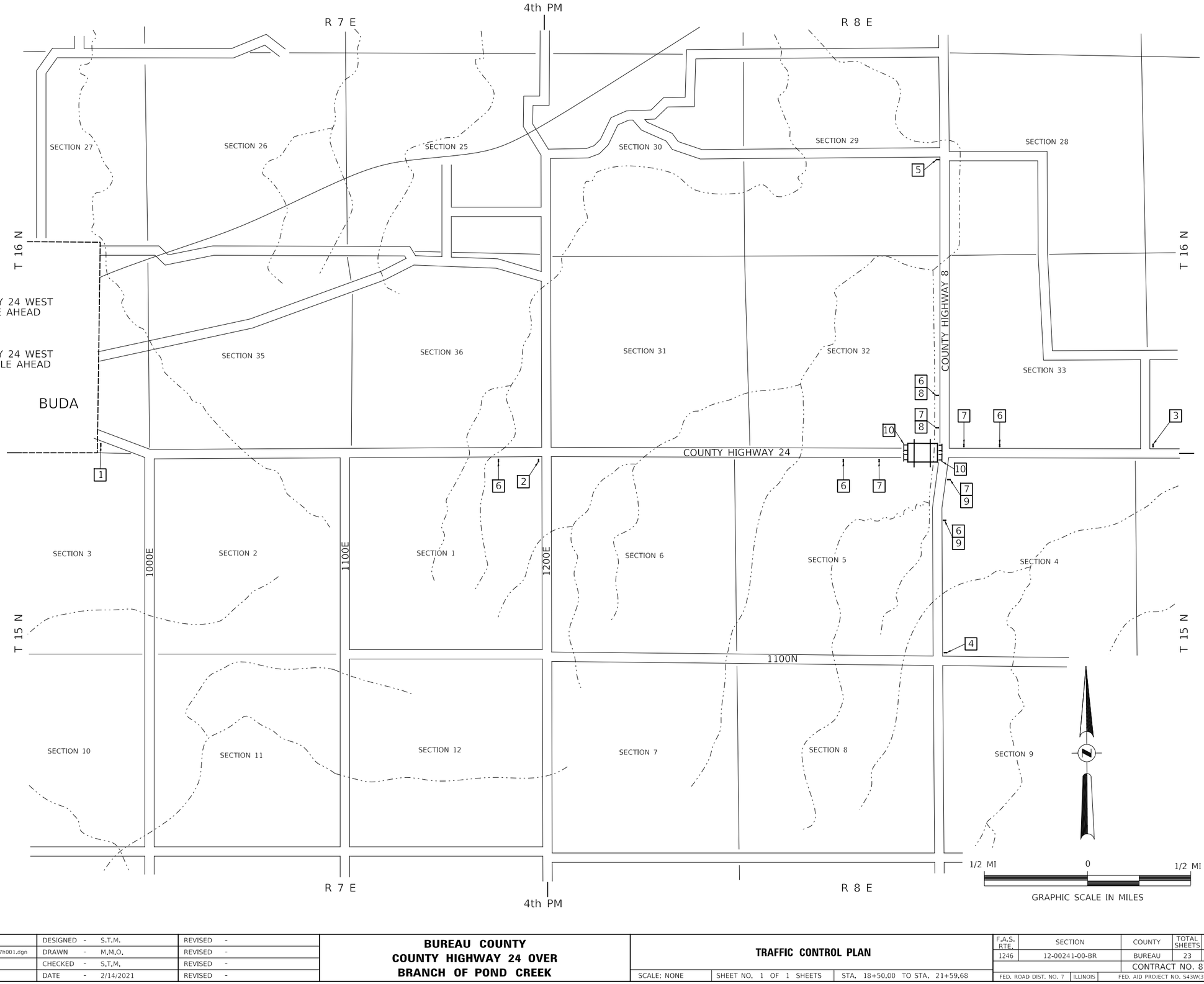
7 — ROAD CLOSED 500 FT — W20-3
ROAD CLOSED 500 FT

8 — M5-1R
AS SHOWN

9 — M5-1L
AS SHOWN

10 — TYPE III BARRICADES

SEE STANDARD BLR 21
AND SPECIAL PROVISIONS



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	PLOT DATE = 2/14/2021	CHECKED - S.T.M.	REVISED -
		DATE - 2/14/2021	REVISED -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

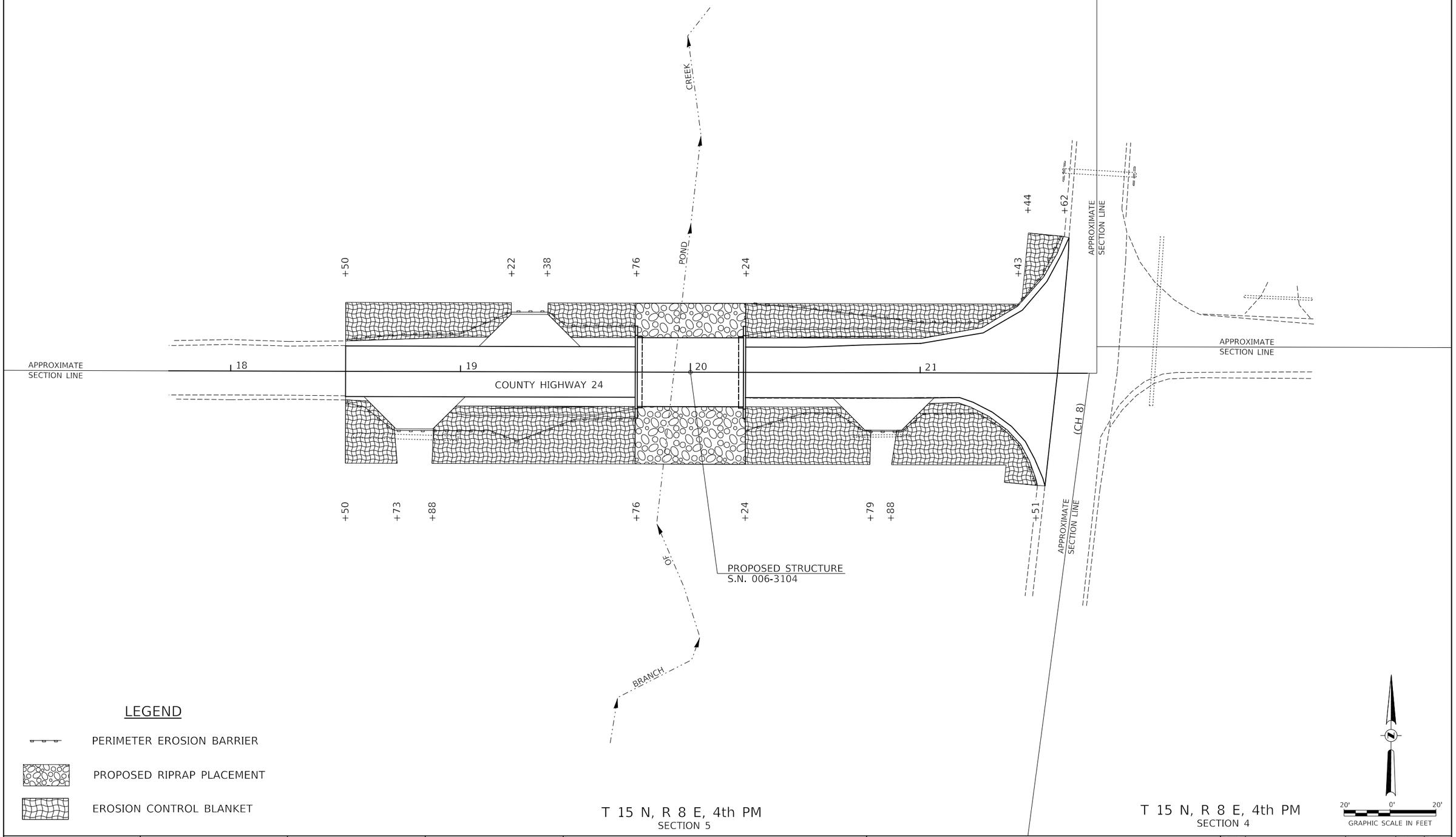
TRAFFIC CONTROL PLAN

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 18+50.00 TO STA. 21+59.68

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	4
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

T 16 N, R 8 E, 4th PM
SECTION 32

T 16 N, R 8 E, 4th PM
SECTION 33



LEGEND

PERIMETER EROSION BARRIER

PROPOSED RIPRAP PLACEMENT

EROSION CONTROL BLANKET

T 15 N, R 8 E, 4th PM
SECTION 5

T 15 N, R 8 E, 4th PM
SECTION 4

20' 0' 20'
GRAPHIC SCALE IN FEET

FILE NAME = V:\3547 - CH 24 over Branch of Pond Creek (Bureau)\Updated Plans - December 2020\3547S001.dgn	USER NAME = SMierzwa	DESIGNED - S.T.M.	REVISED - -
		DRAWN - M.M.O.	REVISED - -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - S.T.M.	REVISED - -
	PLOT DATE = 2/14/2021	DATE - 2/14/2021	REVISED - -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

EROSION CONTROL PLAN

SCALE: 1"=20' | SHEET NO. 1 OF 1 SHEETS | STA. 18+50.00 | TO STA. 21+59.68

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	5
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

T 16 N, R 8 E, 4th PM
SECTION 32

T 16 N, R 8 E, 4th PM
SECTION 33

T 15 N, R 8 E, 4th PM
SECTION 5

T 15 N, R 8 E, 4th PM
SECTION 4

2-N&BC
IN FENCE
POST
39.48'
39.34'
64.35'
N&BC
IN PP

PT STA 15+00.66
MAG-NAIL

CORNER
OF CONC.
HEADWALL
⅝"
I-ROD
56.58'
84.29'
CH 8
CH 24
42.00'
TOP
CENTER
R.O.W.
MARKER

PT STA 21+50.00
MAG-NAIL

BETTY ORWIG

EXISTING STRUCTURE SN 006-3100
TO BE REMOVED

PROPOSED LIMITS OF
CONSTRUCTION (TYP.)

CULTIVATED

EXISTING R.O.W. LINE

APPROXIMATE
SECTION LINE

70'
EXISTING
R.O.W.
30'
40'

℄ SURVEY & ℄ CONSTRUCTION

16 17 18 19 20 21

(HMA)

COUNTY HIGHWAY 24

TPED
UGSN
12" CMP
PPR
GW
PP
BM
24" CMP
12" CMP
+80 FE
+84 FE
+90 FE

SECTION 12-00241-00-BR
BEGINS
STATION 18+50.00

SECTION 12-00241-00-BR
ENDS
STATION 21+59.68

PROPOSED TRAFFIC BARRIER TERMINALS,
TYPE 5A AND TYPE 1 (SPECIAL) TANGENT

PROPOSED STRUCTURE SN 006-3104
STATION 20+00.00
SEE SHEETS #7 THRU #18 FOR DETAILS
SEE SHEET #7 FOR HYDRAULICS

POND

CREEK

BRANCH

PASTURE

HAROLD PETERSON, ET UX

2'x2' CULV

APPROXIMATE
SECTION LINE

(CH 8)

CH 18 TILE

LEGEND

- TRANSITION TO OR FROM EXISTING TO PROPOSED TYPICAL PAVEMENT
- PROPOSED HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH / BUTT JOINT
- PROPOSED RIPRAP PLACEMENT

GRAPHIC SCALE IN FEET
50' 0' 50'

BM - RAILROAD SPIKE IN POWER POLE
STA. 17+69, 38' RT.
ELEV. 662.73

BM - CHIS. "□" ON
NW COR. OF BRIDGE CURB
STA. 19+74, 14' LT.
ELEV. 662.43

BM - TOP OF RIGHT OF WAY MARKER
STA. 21+38, 40' RT.
ELEV. 661.96

BALANCE #1 STA. 18+50.00 TO STA 19+76.00
EARTH EXCAVATION = 19 CU YD
EMBANKMENT = 4 CU YD

* BALANCE #2 STA. 19+76.00 TO STA 20+24.00
CHANNEL EXCAVATION = 50 CU YD

BALANCE #3 STA. 20+24.00 TO STA 21+59.68
EARTH EXCAVATION = 14 CU YD
EMBANKMENT = 17 CU YD

PROPOSED VARIABLE DEPTH (2" MIN.)
HOT-MIX ASPHALT RESURFACING WITH
VARIABLE DEPTH (2" MAX.) HOT-MIX
ASPHALT SURFACE REMOVAL

PROPOSED 3" HOT-MIX ASPHALT
RESURFACING STA. 20+50.00 TO
STA. 21+59.68

+0.40%

EXISTING PROFILE GRADE LINE

20YR HWE
= 658.90

SBE = 652.25

680 675 670 665 660 655 650 645 640

EXISTING PROFILE GRADE
PROPOSED PROFILE GRADE

662.61 662.43 662.26 662.18 662.20 662.27 662.26 +50 662.26 662.16 662.26 662.19 662.26 662.61 662.26 661.95 +50 662.26 661.58 661.72

16+00 17+00 18+00 19+00 20+00 21+00

* CHANNEL EXCAVATION

THE CHANNEL SHALL BE EXCAVATED WITH 2:1 SIDE SLOPES AS SHOWN ON SHEET 7. TRANSITION FROM THE PROPOSED CHANNEL TO THE EXISTING UPSTREAM & DOWNSTREAM CHANNEL WITHIN THE LIMITS OF CONSTRUCTION. SUITABLE EXCAVATION MATERIAL SHALL BE USED IN THE EMBANKMENT AS DIRECTED BY THE ENGINEER.
CHANNEL EXCAVATION = 50 CU YD

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

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NO'S/MI'S CHKD, NOTE BOOK, NO., DATE, BY

FILE NAME = V:\3547 - CH 24 over Branch of Pond Creek (Bureau)\Updated Plans - December 2020\3547p001.dgn	USER NAME = SMierzwa	DESIGNED - S.T.M.	REVISED -
	PLOT SCALE = 100.0000 ' / in.	DRAWN - M.M.O.	REVISED -
$MODELNAMES	PLOT DATE = 2/14/2021	CHECKED - S.T.M.	REVISED -
		DATE - 2/14/2021	REVISED -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

PLAN AND PROFILE

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 18+50.00 TO STA. 21+59.68

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	6
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

B.M.: RR Spike in Power Pole
Sta. 17+69, 38' Rt.
Elev. 662.73

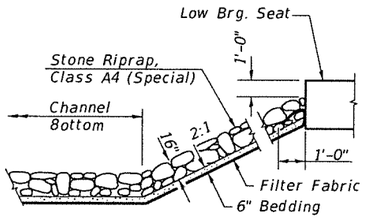
Top of Right of Way Marker
Sta. 21+3B, 40' Rt.
Elev. 661.96

Existing Structure:

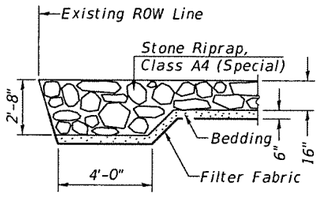
Three span precast Nelson beam bridge on timber pile bent piers with concrete caps and timber pile bent abutments with concrete caps.
The structure is ±52'-0" back to back of abutments, 30'-0" out to out deck, and is not skewed.
Str. No. 006-3100

Salvage: None

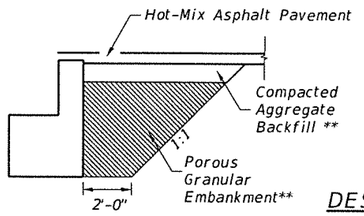
Road to be closed to traffic during construction.



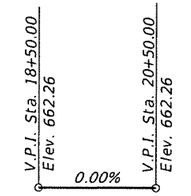
STONE RIPRAP DETAIL



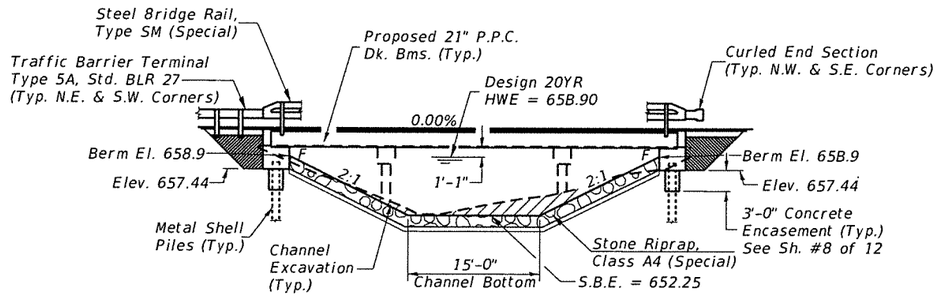
SECTION A-A



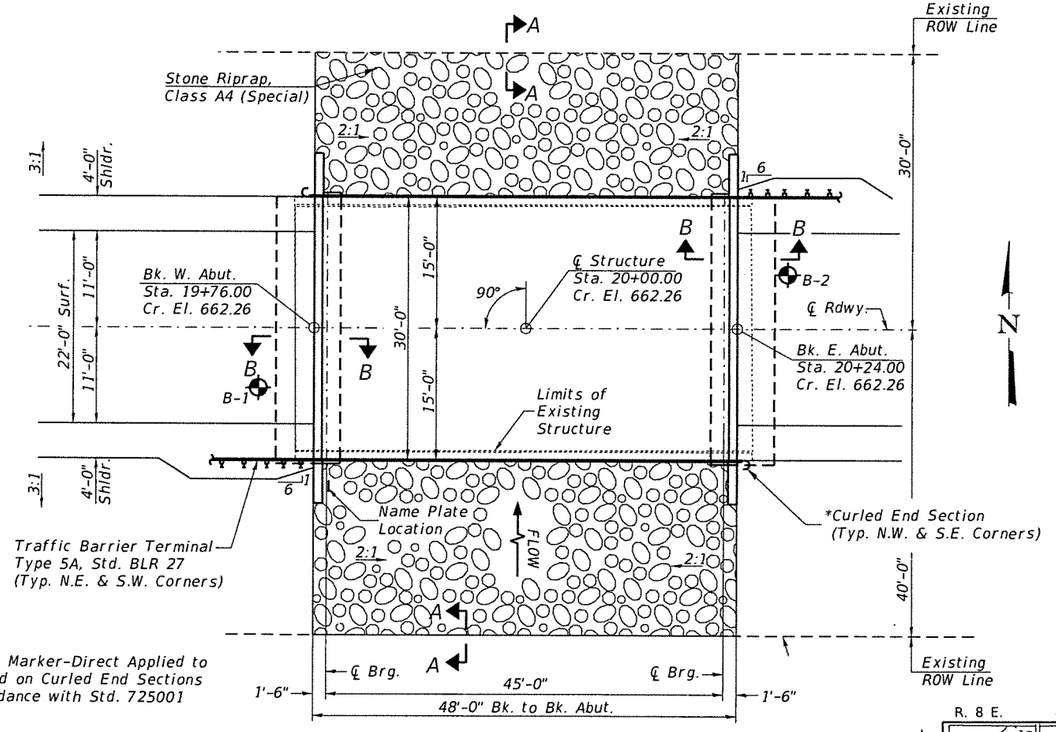
SECTION B-B
**See Special Provisions



PROFILE GRADE



ELEVATION



PLAN

*Terminal Marker-Direct Applied to be placed on Curled End Sections in accordance with Std. 725001

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevations (ft.)			Item 113
	W. Abut.	E. Abut.	
0100	657.4	657.4	B
0200	657.4	657.4	
Design	657.4	657.4	
Check	657.4	657.4	

WATERWAY INFORMATION

Drainage Area = 1.53 Sq. Mi. Low Grade Elev. = 661.68 @ Sta. 21+25.00

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.
Design	20	1,114	162	189	658.90	0.B8	0.02	659.7B	658.92
Base	100	1,6B0	196	222	659.6B	2.15	0.3B	661.83	660.06

DESIGNED	S.T.M.
CHECKED	C.T.M./J.E.H.
DRAWN	S.T.M.
CHECKED	C.T.M./J.E.H.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

(FIELD UNITS)
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (Rein.)

(PRECAST PRESTRESSED UNITS)
f'c = 6,000 p.s.i.
f'ci = 5,000 p.s.i.
f's = 270,000 p.s.i. (½" Strands)
f'si = 201,960 p.s.i. (½" Strands)

LOADING HL-93

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

GENERAL NOTES

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at the substructures specified or approved by the Engineer before ordering the remainder of the piles.
For Soil Boring Logs, See Sheets 9-12 of 12.
A Corrosion Inhibitor shall be used in the concrete for Precast Prestressed Concrete Deck Beams according to Articles 1020.05(b)(10) and 1021.07 of the Standard Specifications.
Reinforcement Bars designated (E) shall be epoxy coated.
Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

BRANCH OF POND CREEK
BUILT 202_ BY
BUREAU COUNTY
SEC. 12-00241-00-BR
C.H. 24 STATION 20+00.00
F.A. PROJ. NO. S43W(369)
STR. NO. 006-3104 LOADING HL-93

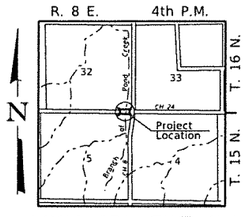
NAME PLATE

Locate Name Plate at S.W. Wingwall Corner of Bridge (See Std. 515001)

TOTAL BILL OF MATERIAL

	ITEM	UNIT	SUPER	SUB	TOTAL
	Channel Excavation	CU YD	——	50	50
(1)	Stone Riprap, Class A4 (Special)	TON	——	300	300
(1)	Removal of Existing Structures	EACH	——	——	1
	Concrete Structures	CU YD	——		24.3
	Precast Prestressed Concrete Deck Beams (21" Depth)	SO FT	1,385	——	1,3B5
	Reinforcement Bars	POUND	——		2,760
	Steel Bridge Rail, Type SM (Special)	FOOT	96	——	96
	Furnishing Metal Shell Piles 12"x0.250"	FOOT	——	2B0	280
	Driving Piles	FOOT	——	280	280
	Test Pile Metal Shells	EACH	——	2	2
	Concrete Encasement	CU YD	——	2.6	2.6
	Name Plates	EACH	——	1	1
	Waterproofing Membrane System	SO YD	160	——	160
	Portland Cement Mortar Fairing Course	FOOT	125	——	125
	Hot-Mix Asphalt Surface Course, IL-9.5, Mix "C", N50	TON	17	——	17
(1)	Porous Granular Embankment	CU YD	——	29.6	29.6
	Terminal Marker - Direct Applied	EACH	2	——	2

(1) See Special Provisions



LOCATION SKETCH

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 Standard Specification for Highway Bridges.
This design complies with all requirements of the current AASHTO Guide Specifications for Seismic Design of highway bridges.

Illinois Structural No. 7999
Expires 11/30/2022

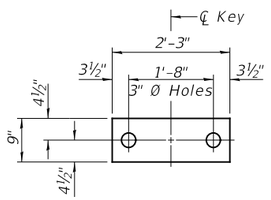
COREY T. MASON
062-007999
LICENSED STRUCTURAL ENGINEER OF ILLINOIS
JACKSONVILLE
24/07/21

Lic. Exp. 11/30/2022

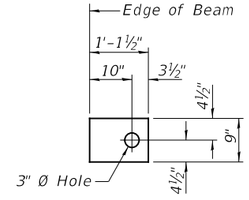
GENERAL PLAN & ELEVATION
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

SHEET NO. 1	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	7
		S.N. 006-3104	CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

3547b001

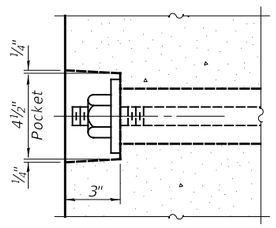


½" FABRIC BEARING PAD
(Interior) 18 required

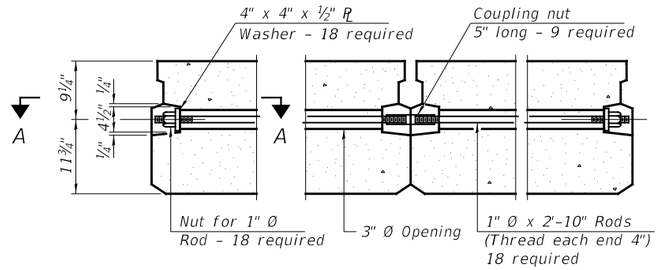


½" FABRIC BEARING PAD
(Exterior) 4 required

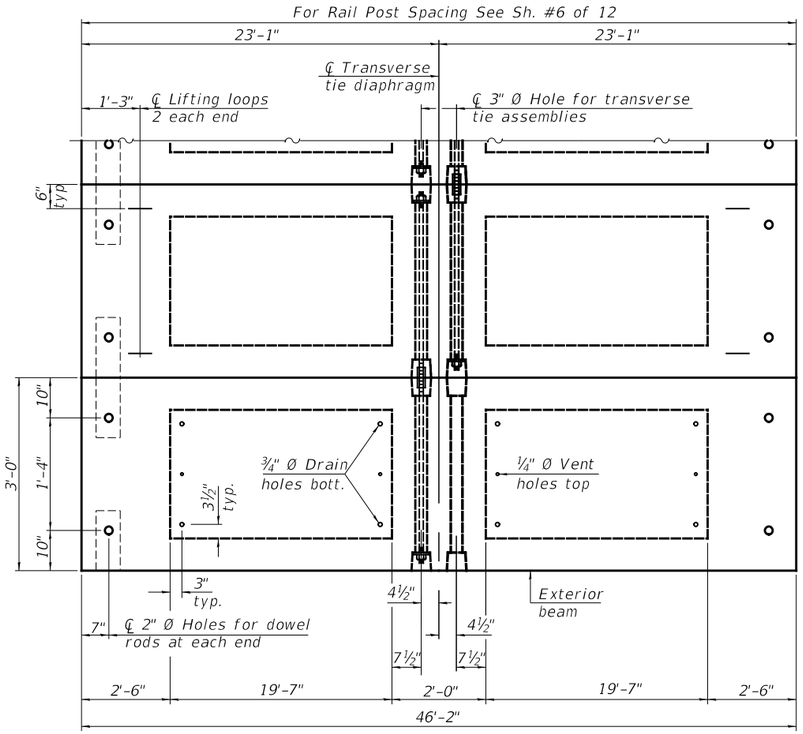
FIXED



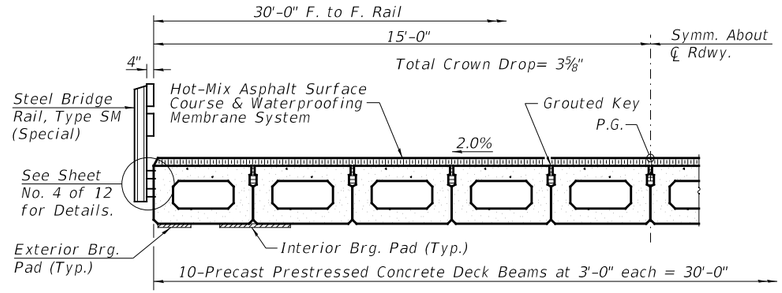
SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW



HALF CROSS SECTION

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

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (21" Depth)	SQ FT	1,385

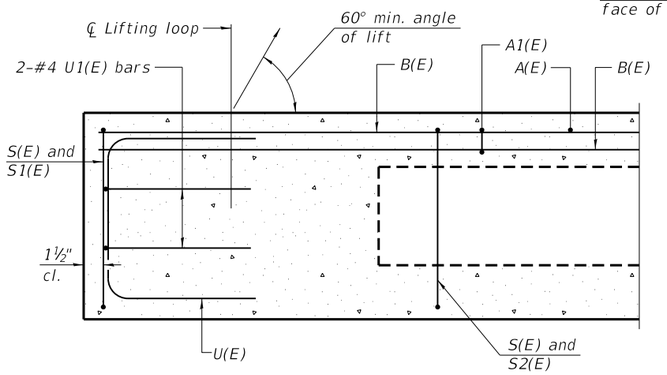
NOTES

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.

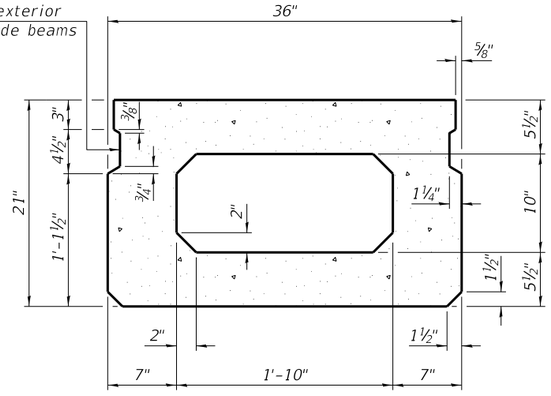
SUPERSTRUCTURE
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

SHEET NO. 2	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	8
		S.N. 006-3104	CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

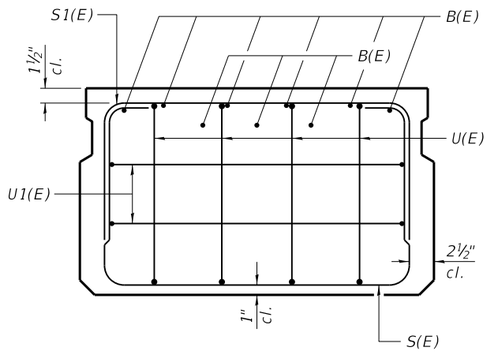
3547b002



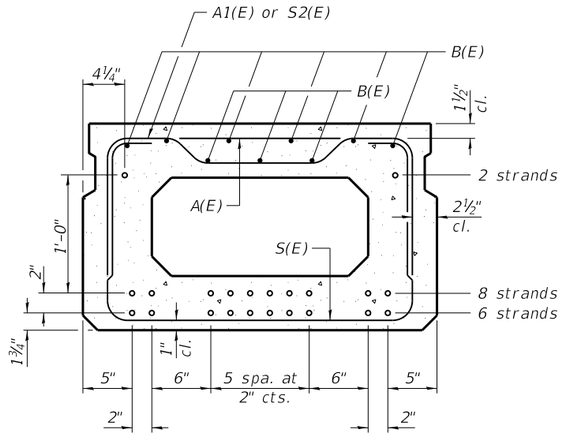
SECTION A-A



SECTION B-B
(Showing Dimensions)



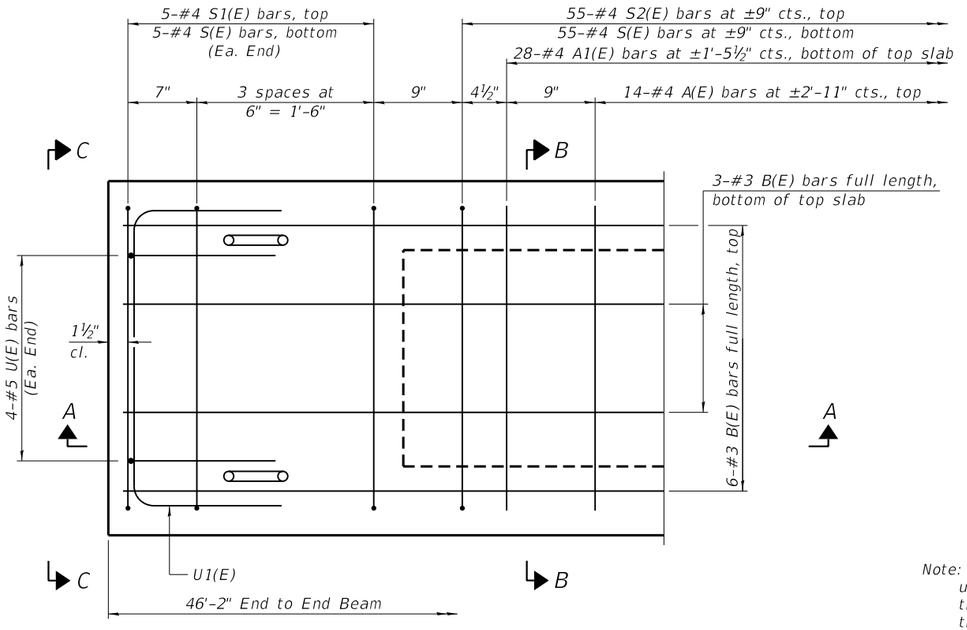
VIEW C-C



SECTION B-B

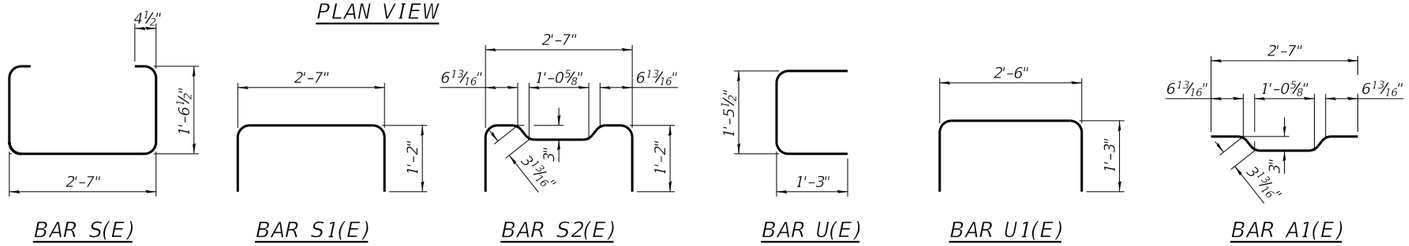
16-½" Ø Strands Each Strand Stressed to 30,900 Lbs.
6-Strands 1¾" up, 8-Strands 3¾" up, 2-Strands 15¾" up
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

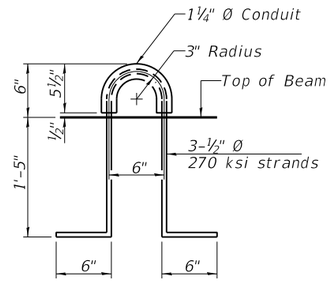
** Rail post anchor devices (Sheet 4 of 12) to be cast into exterior face of outside beams.



PLAN VIEW

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.





LIFTING LOOP DETAIL

BAR LIST
ONE BEAM ONLY
(For information only)

BAR	NO.	SIZE	LENGTH	SHAPE
A(E)	14	#4	2'-7"	—
A1(E)	28	#4	2'-10"	~
B(E)	9	#3	*45'-11"	—
S(E)	65	#4	6'-5"	⊔
S1(E)	10	#4	4'-11"	⊓
S2(E)	55	#4	5'-2"	⊓
U(E)	8	#5	4'-0"	⊏
U1(E)	4	#4	5'-0"	⊓

Note:
See Sheet No. 2 of 12 for additional details and Bill of Material.

*Total length, lap as necessary.

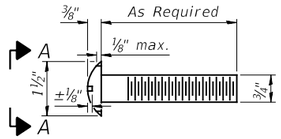
MINIMUM BAR LAP
#3 bar = 1'-6"

SUPERSTRUCTURE DETAILS
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

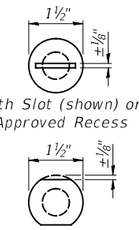
SHEET NO. 3	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	9
		S.N. 006-3104	CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

3547b0003

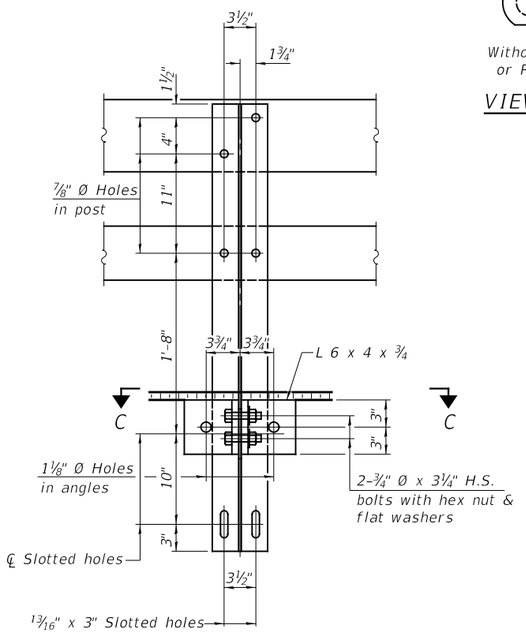
FOR RAIL POST SPACING SEE SH.#6 OF 12



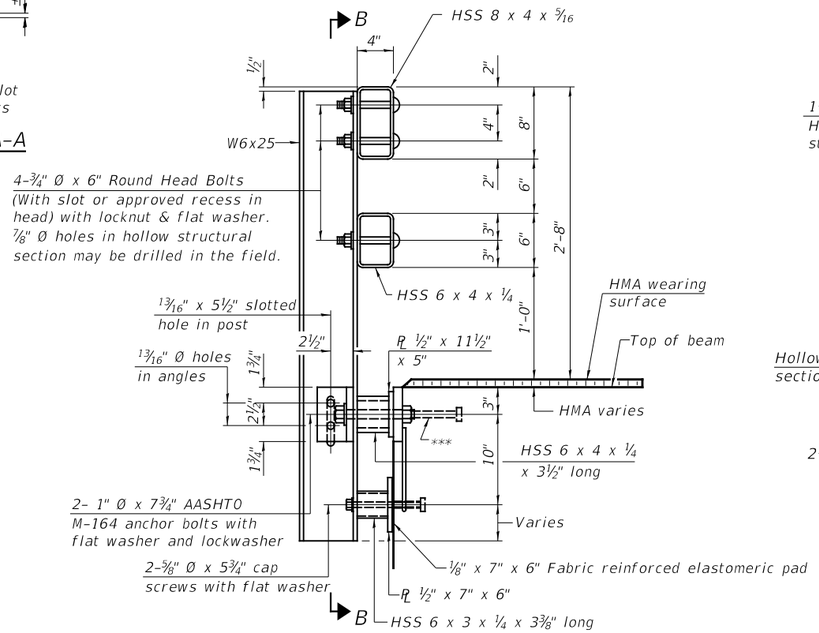
DETAIL OF 3/4" Ø ROUND HEAD BOLT



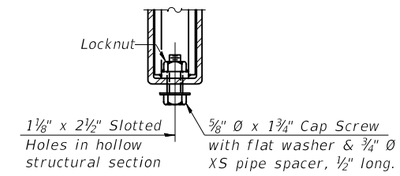
VIEW A-A



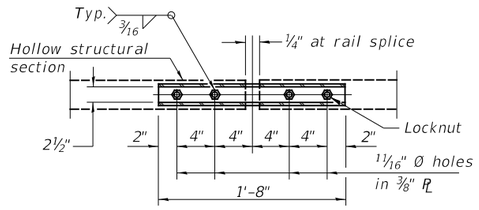
SECTION B-B



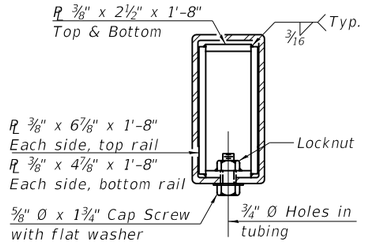
SECTION AT RAIL POST



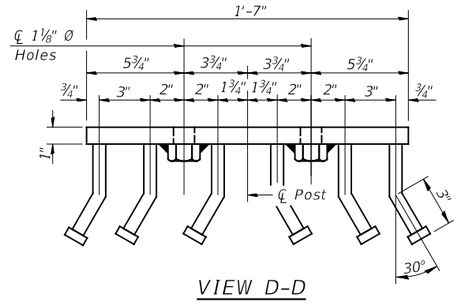
RAIL SPLICE CONNECTION AT EXPANSION JT.



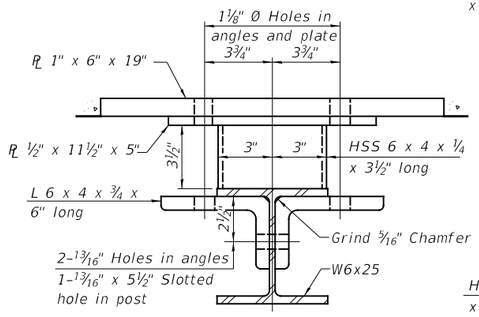
PLAN-BOTT. SPLICE PL TYPICAL



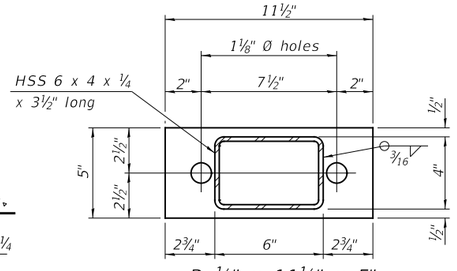
SECTION AT RAIL SPLICE



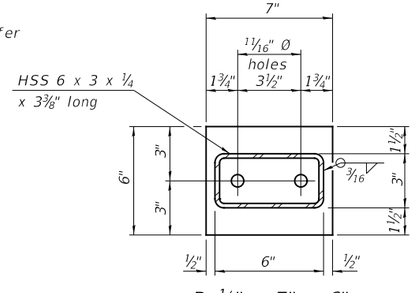
VIEW D-D



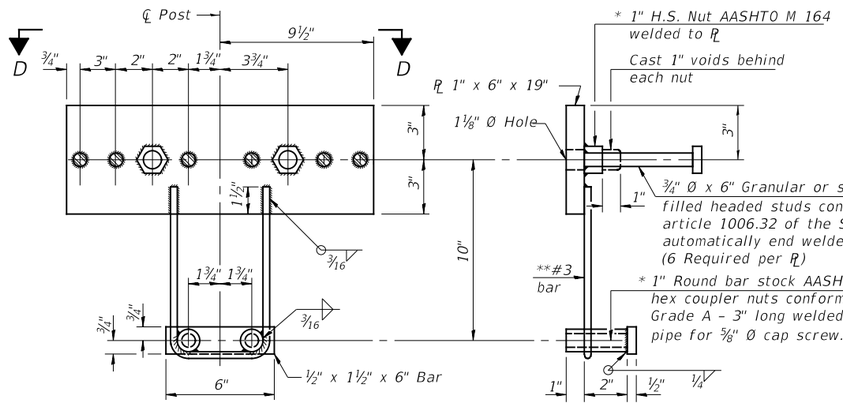
SECTION C-C



PL ½" x 11½" x 5"



PL ½" x 7" x 6"



ANCHOR DEVICE

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

**Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed ½".

Notes:

All field drilled holes shall be coated with an approved zinc rich paint before erection.

For multi-span bridges, sufficient ¼" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Bridge Rail, Type SM (Special).

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

*** 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.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Steel Bridge Rail, Type SM (Special)	FOOT	96

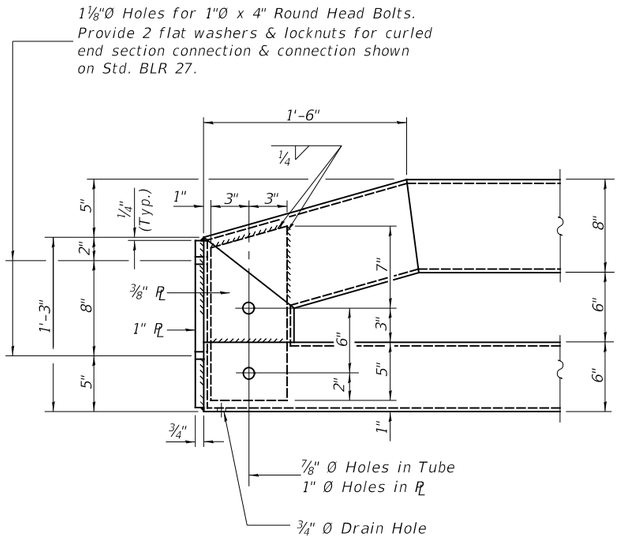
STEEL BRIDGE RAIL, TYPE SM (SPECIAL)
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

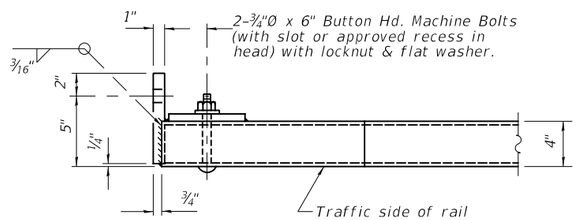
(Sheet 1 of 2)

SHEET NO. 4	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	10
		S.N. 006-3104	CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

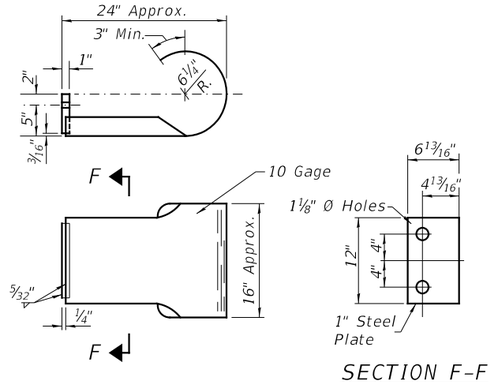
3547b004

FOR RAIL POST SPACING SEE SH.#6 OF 12





END OF RAIL DETAILS



SECTION F-F

CURLED END SECTION

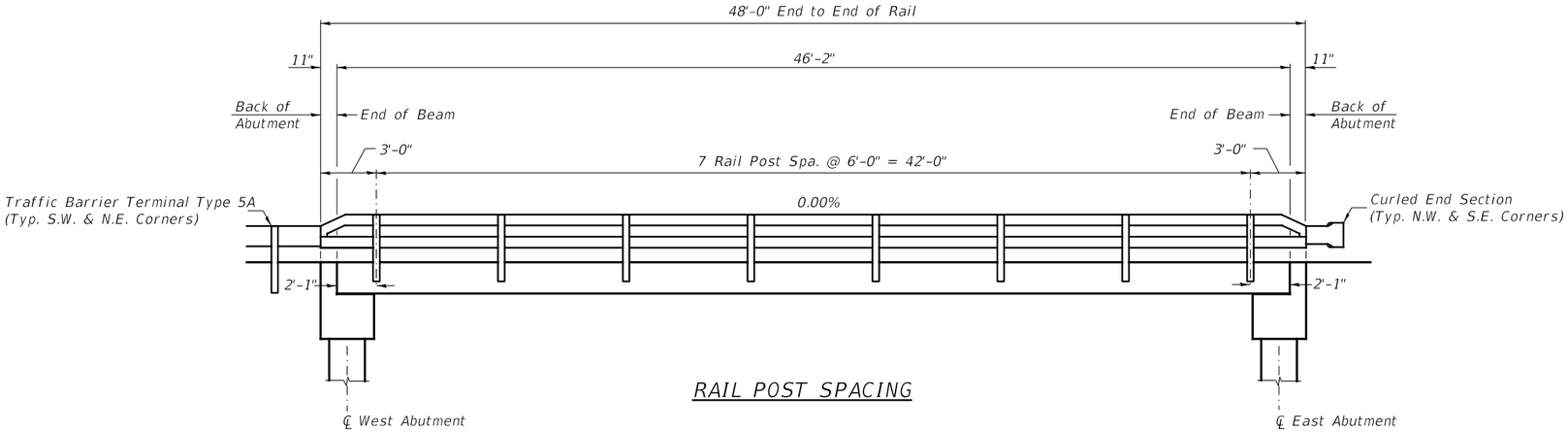
(2 Req'd) Cost Included with Steel Bridge Rail, Type SM (Special). Terminal Markers – Direct Applied shall be placed on end of each Curled End Section. (Typ. N.W. & S.E. Corners)

STEEL BRIDGE RAIL,
TYPE SM (SPECIAL)
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

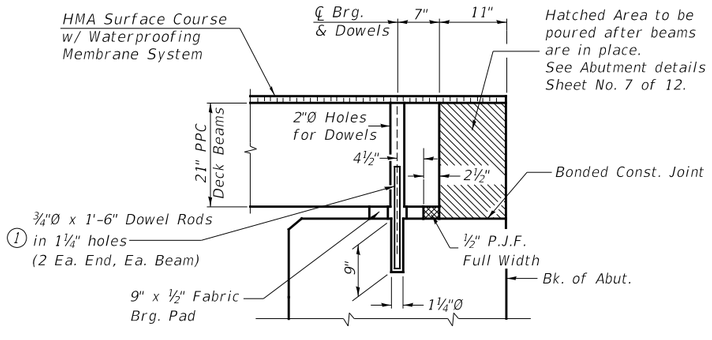
(Sheet 2 of 2)

SHEET NO. 5	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	11
	S.N. 006-3104		CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

3547b005

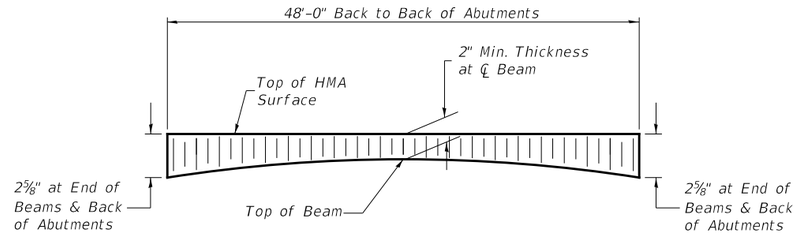


RAIL POST SPACING



SECTION THRU ABUTMENTS

(1) Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys.



HOT-MIX ASPHALT SURFACE PROFILE

Includes Waterproofing Membrane System

RAIL POST SPACING AND SUPERSTRUCTURE DETAILS

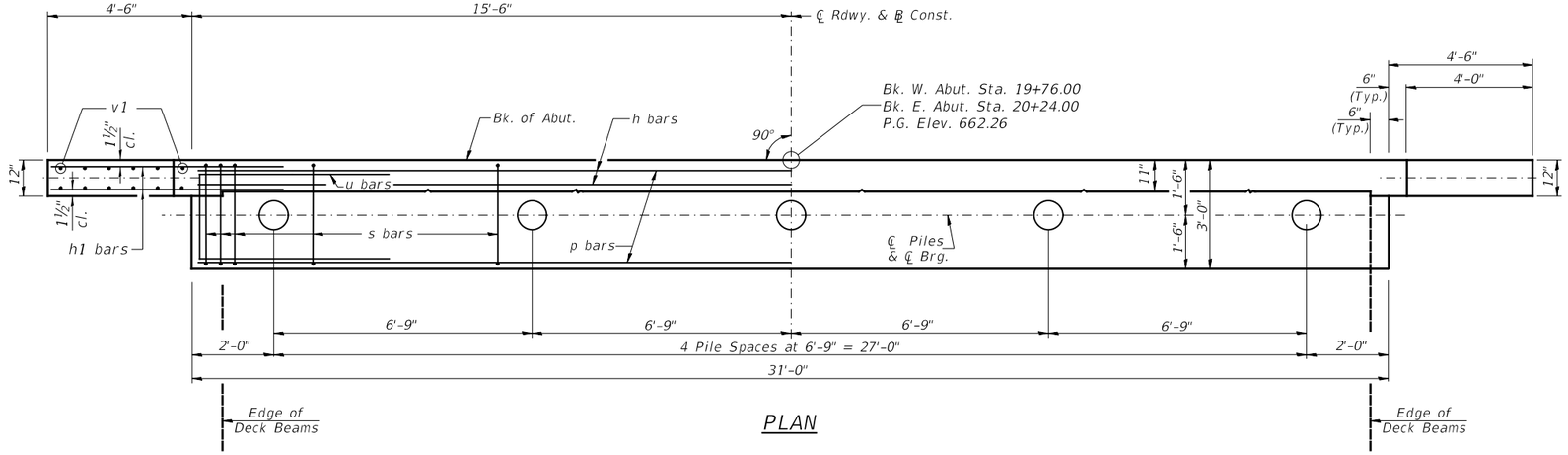
BUREAU COUNTY

SECTION 12-00241-00-BR

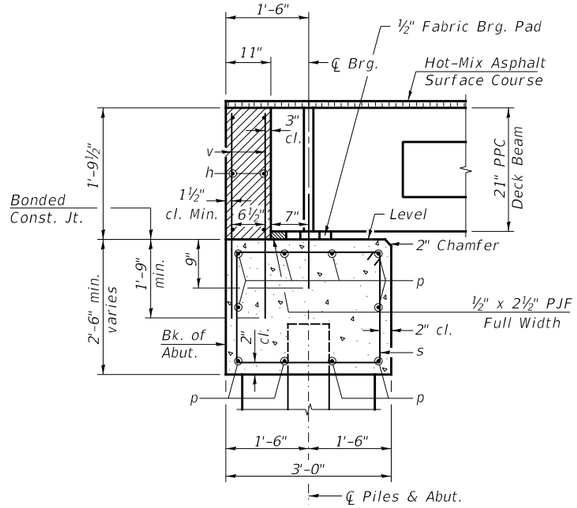
COUNTY HIGHWAY 24 OVER BRANCH OF POND CREEK

SHEET NO. 6	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	12
	S.N. 006-3104		CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

3547b006



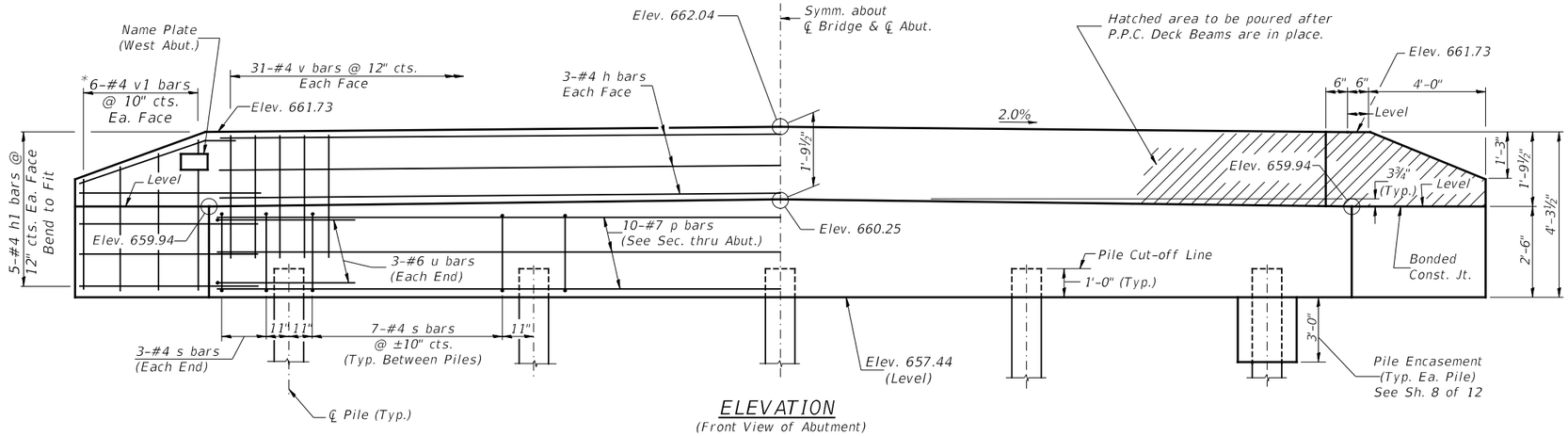
PLAN



SECTION THRU ABUT.

East Abut.

West Abut.



ELEVATION

(Front View of Abutment)

TWO ABUTMENTS BILL OF MATERIAL

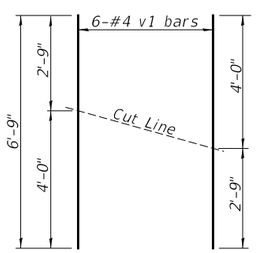
BAR	NO.	SIZE	LENGTH	SHAPE
h	12	#4	30'-9"	———
h1	40	#4	6'-6"	———
p	20	#7	30'-9"	———
s	68	#4	10'-5"	□
u	12	#6	11'-7"	⊏
v	124	#4	3'-6"	———
v1	24	#4	6'-9"	———
Concrete Structures		CU YD	24.3	
Concrete Encasement		CU YD	2.6	
Reinforcement Bars		POUND	2,760	
Furnishing Metal Shell Piles 12"x0.250"		FOOT	280	
Driving Piles		FOOT	280	
Test Pile Metal Shells		EACH	2	
Name Plates		EACH	1	

NOTES

1. The backwall and the portion of the wingwalls above the bonded construction joint shall be cast against the in-place beam.
2. All edges shall have standard ¾" chamfer.

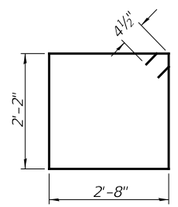
PILE DATA

Type & Size: Metal Shell 12"x0.250" walls
Nominal Required Bearing: 209 kips
Factored Resistance Available: 115 kips
Est. Length: 35' West Abutment
35' East Abutment
No. Req'd.: 10 (Includes 1 Test Pile at Each Abut.)

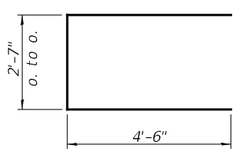


BAR CUTTING DIAGRAM

*Order v1 bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s



BAR u

ABUTMENTS
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

SHEET NO. 7	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	13
		S.N. 006-3104	CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

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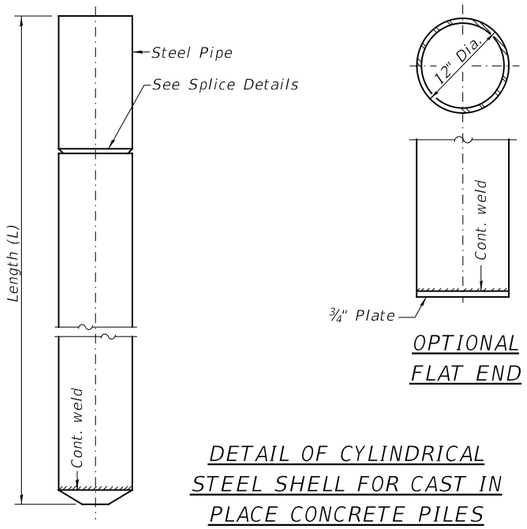
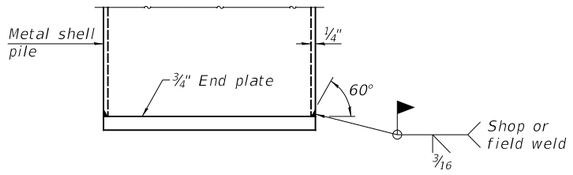
Notes: Driving and bearing ends of pipe shall be cut square. The thickness of the shell shall be 0.25 inches with a tolerance of 5%. The shell shall be according to Article 1006.05(a) of the Standard Specifications, and shall be ASTM A252 Grade 3.

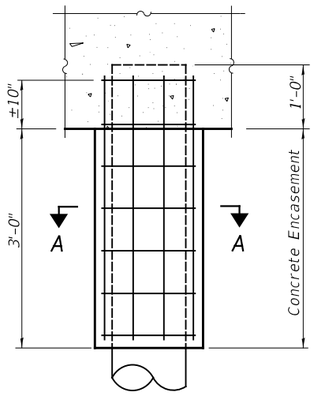


OPTIONAL FLAT END

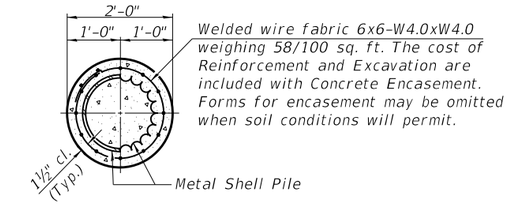
DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES



END PLATE ATTACHMENT

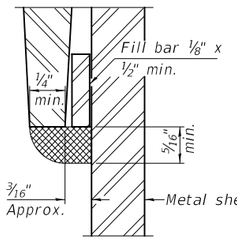


ELEVATION

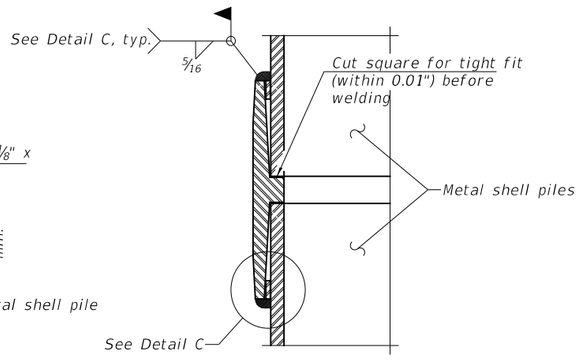


SECTION A-A

DETAIL OF METAL SHELL PILE ENCASEMENT AT ABUTMENTS

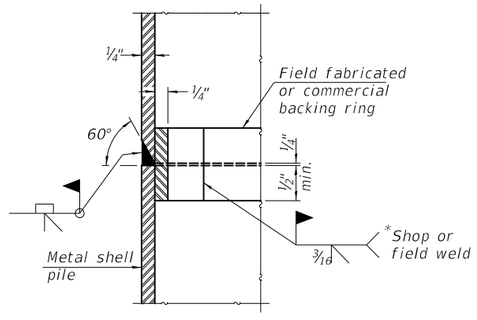


DETAIL C



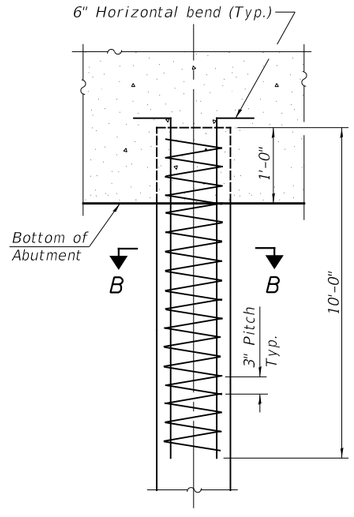
Notes:
The ⅛" x ½" min. fill bar may be constructed of 2 bars with a ⅛" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE

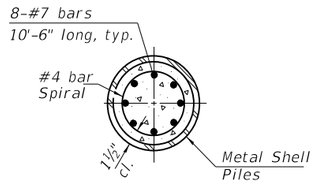


COMPLETE PENETRATION WELD SPLICE

* 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

The cost of Reinforcement is included with Furnishing Metal Shell Piles 12"x0.250"

REINFORCEMENT AT ABUTMENTS

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

METAL SHELL PILE DETAILS
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER BRANCH OF POND CREEK

SHEET NO. 8	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	14
		S.N. 006-3104	CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

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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: Hutchison Engineering, Inc.
Project Name: CH 24 (FAS) 1246 Section 12-00214-00-BR
Project Site: Bureau County, Il.

Location: 8' Right of Station 19+70

Boring No. B-1
Surface Elev. 662.10
Auger Depth 76' Rotary Depth NA
Start Date 12/05/15 Finish Date 12/05/15

DRILLED BY: Randy 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
662.10										
661.10	Medium Brown Gravely Clay (Fill)	1								
660.10		2								
659.10		3	1	SS	---	13	---	12		
658.10		4								
657.10		5	2	SS	1.4	6	B	23		
656.10	Stiff Black Clay	6								
655.10		7								
654.10		8	3	SS	1.2	5	B	24		
653.10	Stiff Brown Clay With Gravel Seams	9								
652.10		10	4	SS	1.5	7	B	27		
651.10		11								
650.10	Very Stiff Brownish Gray Clay	12								
649.10		13	5	SS	2.0	12	B	19		
648.10		14								
647.10		15								
646.10		16	6	SS	2.1	12	B	18		
645.10	Medium Brown Fine And Coarse Sand	17								
644.10		18	7	SS	---	14	---	---		
643.10		19								
642.10	Very Stiff Gray Clay	20	8	SS	2.0	13	B	17		

Groundwater Data: Ststic water level after auger removal - Elevation 653.0.
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: Hutchison Engineering, Inc.
Project Name: CH 24 (FAS) 1246 Section 12-00214-00-BR
Project Site: Bureau County, Il.

Location: 8' Right of Station 19+70

Boring No. B-1
Surface Elev. 662.10
Auger Depth 76' Rotary Depth NA
Start Date 12/05/15 Finish Date 12/05/15

DRILLED BY: Randy 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
641.10										
640.10		22								
639.10		23	9	SS	2.0	12	B	19		
638.10		24								
637.10		25	10	SS	2.3	13	B	19		
636.10		26								
635.10		27								
634.10		28	11	SS	2.1	12	B	20		
633.10	Very Stiff Gray Clay Till With Occasional Gravel	29								
632.10		30								
631.10		31	12	SS	3.2	22	B	15		
630.10		32								
629.10		33	13	SS	2.8	17	B	18		
628.10		34								
627.10		35								
626.10		36	14	SS	3.0	18	B	18		
625.10		37								
624.10		38								
623.10		39								
622.10		40								
621.10	Hard Gray Clay Till	41	15	SS	4.5	26	S	17		

Groundwater Data: Ststic water level after auger removal - Elevation 653.0.
Comments:

SOIL BORING LOGS
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

SHEET NO. 9	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	15
	S.N. 006-3104		CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

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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: Hutchison Engineering, Inc.
Project Name: CH 24 (FAS) 1246 Section 12-00214-00-BR
Project Site: Bureau County, Il.

Boring No. B-1
Surface Elev. 662.10
Auger Depth 76' Rotary Depth NA
Start Date 12/05/15 Finish Date 12/05/15

Location: 8' Right of Station 19+70

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
620.10											
619.10			43								
618.10			44								
617.10	Hard Gray Clay Till		45								
616.10			46	16	SS	4.3	32	S	12		
615.10			47								
614.10			48								
613.10			49								
612.10			50								
611.10	Dense Brown And Gray Coarse Gravel		51	17	SS	---	36	---	----		
610.10			52								
609.10			53								
608.10			54								
607.10			55								
606.10			56	18	SS	4.4	30	S	12		
605.10			57								
604.10	Hard Gray Clay Till		58								
603.10			59								
602.10			60								
601.10			61	19	SS	4.8	35	S	10		
600.10			62								

Groundwater Data: Ststic water level after auger removal - Elevation 653.0.
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: Hutchison Engineering, Inc.
Project Name: CH 24 (FAS) 1246 Section 12-00214-00-BR
Project Site: Bureau County, Il.

Boring No. B-1
Surface Elev. 662.10
Auger Depth 76' Rotary Depth NA
Start Date 12/05/15 Finish Date 12/05/15

Location: 8' Right of Station 19+70

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
599.10											
598.10			64								
597.10			65								
596.10	Hard Gray Clay Till		66	20	SS	4.1	29	S	12		
595.10			67								
594.10			68								
593.10			69								
592.10			70								
591.10			71	21	SS	4.7	37	S	12		
590.10			72								
589.10			73								
588.10			74								
587.10			75								
586.10	Boring Terminated		76	22	SS	4.5	36	S	11		
585.10			77								
584.10			78								
583.10			79								
582.10			80								
581.10			81								
580.10			82								
579.10			83								

Groundwater Data: Ststic water level after auger removal - Elevation 653.0.
Comments:

SOIL BORING LOGS
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

SHEET NO. 10	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1246	12-00241-00-BR	BUREAU	23	16
12 SHEETS		S.N. 006-3104	CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

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: Hutchison Engineering, Inc.
Project Name: CH 24 (FAS) 1246 Section 12-00214-00-BR
Project Site: Bureau County, Il.

Location: 6' Left of Station 20+30

Boring No. B-2
Surface Elev. 662.10
Auger Depth 76' Rotary Depth NA
Start Date 12/05/15 Finish Date 12/05/15

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
662.10											
661.10	Medium Brown Gravely Clay (Fill)		1								
660.10			2								
659.10			3	1	SS	---	16	---	10		
658.10			4								
657.10	Stiff Black Clay		5	2	SS	1.3	6	B	23		
656.10			6								
655.10			7								
654.10			8	3	SS	1.5	7	B	21		
653.10			9								
652.10	Stiff Brownish Gray Clay		10	4	SS	1.1	5	B	22		
651.10			11								
650.10			12								
649.10			13	5	SS	1.9	10	B	20		
648.10			14								
647.10			15	6	SS	---	17	---	---		
646.10			16								
645.10			17								
644.10	Medium Brown Fine Sand And Fine Gravel		18	7	SS	---	21	---	---		
643.10			19								
642.10			20	8	SS	----	10	---	---		

Groundwater Data: Ststic water level after auger removal - Elevation 653.5.
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: Hutchison Engineering, Inc.
Project Name: CH 24 (FAS) 1246 Section 12-00214-00-BR
Project Site: Bureau County, Il.

Location: 6' Left of Station 20+30

Boring No. B-2
Surface Elev. 662.10
Auger Depth 76' Rotary Depth NA
Start Date 12/05/15 Finish Date 12/05/15

DRILLED BY: Randy Safranski, Diedrich D-120

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	REMARKS
641.10											
640.10			22								
639.10			23	9	SS	2.6	15	B	16		
638.10			24								
637.10			25	10	SS	2.3	13	B	18		
636.10			26								
635.10			27								
634.10	Very Stiff Gray Clay Till With Occasional Gravel		28	11	SS	2.4	13	B	18		
633.10			29								
632.10			30								
631.10			31	12	SS	2.9	17	B	16		
630.10			32								
629.10			33	13	SS	2.5	14	B	18		
628.10			34								
627.10			35								
626.10			36	14	SS	2.2	12	B	12		
625.10			37								
624.10			38								
623.10			39								
622.10	Very Stiff Gary Clay Till		40								
621.10			41	15	SS	3.6	23	B	4		

Groundwater Data: Ststic water level after auger removal - Elevation 653.5.
Comments:

SOIL BORING LOGS
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

SHEET NO. 11	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	17
		S.N. 006-3104	CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

3547b011

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: Hutchison Engineering, Inc.
Project Name: CH 24 (FAS) 1246 Section 12-00214-00-BR
Project Site: Bureau County, Il.

Boring No. B-2
Surface Elev. 662.10
Auger Depth 76' Rotary Depth NA
Start Date 12/05/15 Finish Date 12/05/15

Location: 6' Left of Station 20+30

DRILLED BY: Randy 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
620.10										
619.10	Hard Gray Clay Till	43								
618.10		44								
617.10		45	16	SS	4.1	28	B	13		
616.10		46								
615.10		47								
614.10		48								
613.10	Very Dense To Dense Brown And Gray Fine To Coarse Gravel	49								
612.10		50	17	SS	---	52	---	---		
611.10		51								
610.10		52								
609.10		53								
608.10		54								
607.10		55	18	SS	----	41	---	---		
606.10		56								
605.10	Hard Gray Clay Till	57								
604.10		58								
603.10		59								
602.10		60	19	SS	5.1	38	S	11		
601.10		61								
600.10		62								

Groundwater Data: Ststic water level after auger removal - Elevation 653.5.
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: Hutchison Engineering, Inc.
Project Name: CH 24 (FAS) 1246 Section 12-00214-00-BR
Project Site: Bureau County, Il.

Boring No. B-2
Surface Elev. 662.10
Auger Depth 76' Rotary Depth NA
Start Date 12/05/15 Finish Date 12/05/15

Location: 6' Left of Station 20+30

DRILLED BY: Randy 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
599.10										
598.10		64								
597.10		65								
596.10	Hard Gray Clay Till	66	20	SS	4.6	25	B	12		
595.10		67								
594.10		68								
593.10		69								
592.10		70	21	SS	5.0	29	S	11		
591.10		71								
590.10		72								
589.10		73								
588.10		74								
587.10		75	22	SS	5.2	33	S	10		
586.10	Boring Terminated	76								
585.10		77								
584.10		78								
583.10		79								
582.10		80								
581.10		81								
580.10		82								
579.10		83								

Groundwater Data: Ststic water level after auger removal - Elevation 653.5.
Comments:

SOIL BORING LOGS
BUREAU COUNTY
SECTION 12-00241-00-BR
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

SHEET NO. 12	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12 SHEETS	1246	12-00241-00-BR	BUREAU	23	18
		S.N. 006-3104	CONTRACT NO. 87764		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

3547b012

ORIGINAL SURVEY	DATE
NOTE BOOK	BY
NO.	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

665
660
655

EXIST. ROW

3:1

662.26

C = 1 F = 0

EXIST. 24"

EXIST. ROW

18 + 75.00

665
660
655

EXIST. ROW

662.26

EXIST. ROW

SEC 12-00241-00-BR
BEGINS STA 18+50.00
C = 1 F = 0 AH
C = 0 F = 0 BK

18 + 50.00

665
660
655

EXIST. ROW

EXIST. ROW

18 + 25.00

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

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

FILE NAME = V:\3547 - CH 24 over Branch of Pond Creek (Bureau)\Updated Plans - December 2020\3547xshts.dgn	USER NAME = SMierzwa	DESIGNED - S.T.M.	REVISED -
		DRAWN - M.M.O.	REVISED -
$MODELNAME$	PLOT SCALE = 10.0000 ' / in.	CHECKED - S.T.M.	REVISED -
	PLOT DATE = 2/14/2021	DATE - 2/14/2021	REVISED -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

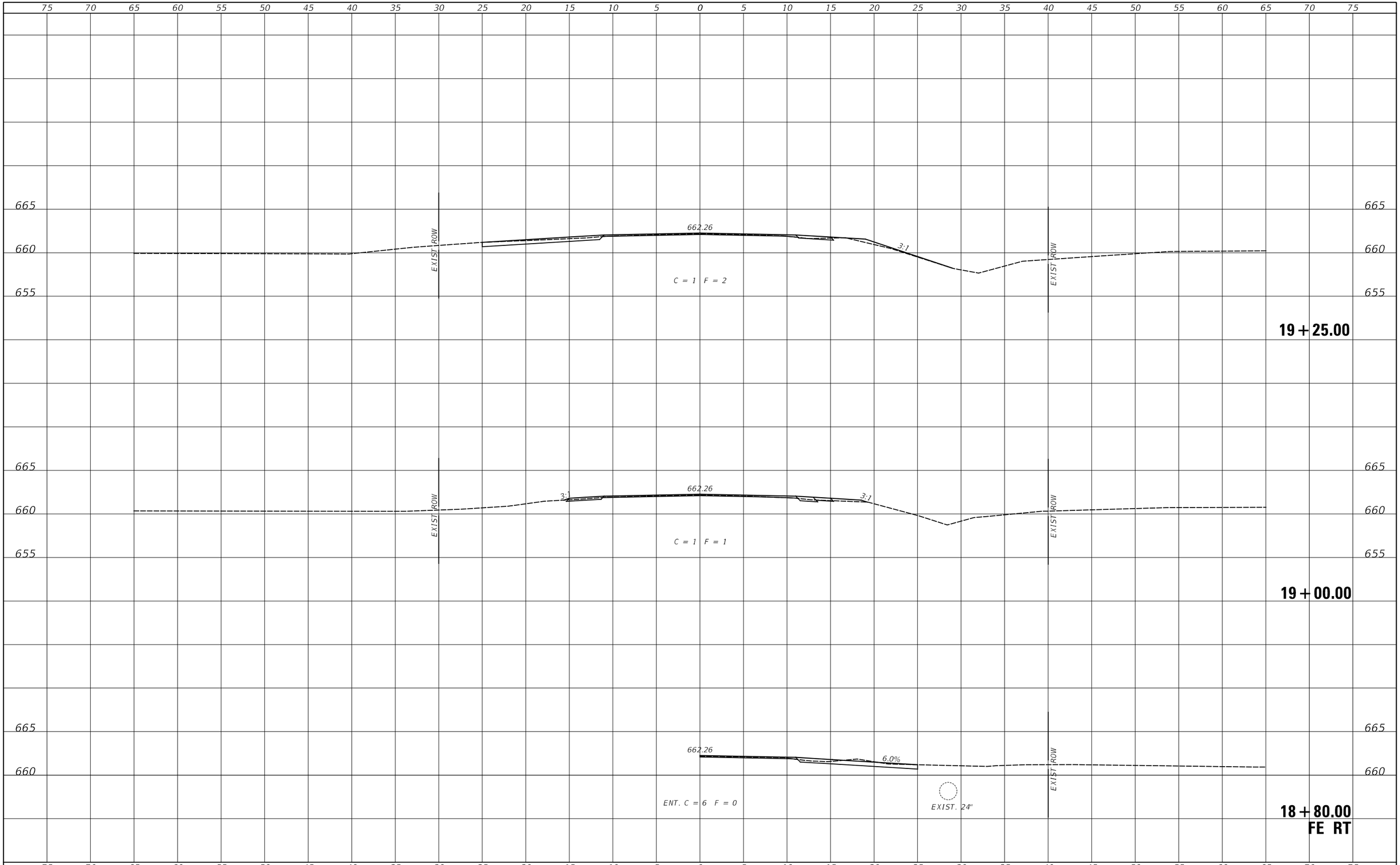
CROSS SECTIONS

SCALE: 1"=5' | SHEET 1 OF 5 SHEETS | STA. 18+25.00 TO STA. 18+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	19
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

ORIGINAL 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 = V:\3547 - CH 24 over Branch of Pond Creek (Bureau)\Updated Plans - December 2020\3547xshts.dgn	USER NAME = SMierzwa	DESIGNED - S.T.M.	REVISED -
		DRAWN - M.M.O.	REVISED -
$MODELNAME$	PLOT SCALE = 10.0000 ' / in.	CHECKED - S.T.M.	REVISED -
	PLOT DATE = 2/14/2021	DATE - 2/14/2021	REVISED -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

CROSS SECTIONS

SCALE: 1"=5' | SHEET 2 OF 5 SHEETS | STA. 18+80.00 TO STA. 19+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	20
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

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

FINAL SURVEY	DATE
NOTE BOOK	BY
NO.	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

665
660
655

STA 20+24.00
C = 2 F = 17 AH
C = 0 F = 0 BK

BRIDGE OMISSION

STA 19+76.00
C = 0 F = 0 AH
C = 2 F = 0 BK

662.26

3:1

EXIST ROW

C = 2 F = 0

EXIST ROW

19 + 73.00

665
660
655

662.26

17:1

3:1

EXIST ROW

C = 2 F = 1

EXIST ROW

19 + 50.00

665
660
655

662.26

7.8%

EXIST ROW

ENT. C = 5 F = 0

19 + 30.00
FE LT

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 = V:\3547 - CH 24 over Branch of Pond Creek (Bureau)\Updated Plans - December 2020\3547xshts.dgn	USER NAME = SMierzwa	DESIGNED - S.T.M.	REVISED -
		DRAWN - M.M.O.	REVISED -
$MODELNAME$	PLOT SCALE = 10.0000 ' / in.	CHECKED - S.T.M.	REVISED -
	PLOT DATE = 2/14/2021	DATE - 2/14/2021	REVISED -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

CROSS SECTIONS

SCALE: 1"=5' | SHEET 3 OF 5 SHEETS | STA. 19+30.00 TO STA. 19+73.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	21
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

ORIGINAL SURVEY	DATE
NOTE BOOK	BY
NO.	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

665
660
655

EXIST. ROW

3:1

C = 1 F = 3

EXIST. 12"

EXIST. ROW

665
660
655

20 + 75.00

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

665
660
655

EXIST. ROW

3:1

662.26

3:1

C = 1 F = 4

EXIST. ROW

665
660
655

20 + 50.00

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

665
660
655

EXIST. ROW

2.8:1

662.26

3:1

C = 2 F = 17

EXIST. ROW

665
660
655

20 + 26.00

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 = V:\3547 - CH 24 over Branch of Pond Creek (Bureau)\Updated Plans - December 2020\3547xshts.dgn	USER NAME = SMierzwa	DESIGNED - S.T.M.	REVISED -
		DRAWN - M.M.O.	REVISED -
$MODELNAME$	PLOT SCALE = 10.0000 ' / in.	CHECKED - S.T.M.	REVISED -
	PLOT DATE = 2/14/2021	DATE - 2/14/2021	REVISED -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

CROSS SECTIONS

SCALE: 1"=5' | SHEET 4 OF 5 SHEETS | STA. 20+26.00 | TO STA. 20+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	22
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		

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

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

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

665 660 655

SEC 12-00241-00-BR
ENDS STA 21+59.68
C = 0 F = 0 AH
C = 0 F = 0 BK

C = 3 F = 0

21 + 50.00

EXIST. ROW

3:1

3:1

C = 1 F = 0

EXIST. ROW

21 + 25.00

EXIST. ROW

3:1

3:1

C = 1 F = 2

EXIST. ROW

21 + 00.00

2.7%

ENT. C = 7 F = 0

EXIST. 12"

EXIST. ROW

20 + 84.00
FE RT

FILE NAME = V:\3547 - CH 24 over Branch of Pond Creek (Bureau)\Updated Plans - December 2020\3547xshts.dgn	USER NAME = SMierzwa	DESIGNED - S.T.M.	REVISED -
		DRAWN - M.M.O.	REVISED -
$MODELNAME$	PLOT SCALE = 10.0000 ' / in.	CHECKED - S.T.M.	REVISED -
	PLOT DATE = 2/14/2021	DATE - 2/14/2021	REVISED -

BUREAU COUNTY
COUNTY HIGHWAY 24 OVER
BRANCH OF POND CREEK

CROSS SECTIONS

SCALE: 1"=5' | SHEET 5 OF 5 SHEETS | STA. 20+84.00 | TO STA. 21+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1246	12-00241-00-BR	BUREAU	23	23
		CONTRACT NO. 87764		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S43W(369)		