

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	1
		ILLINOIS	CONTRACT NO. 74653	

D-97-012-14

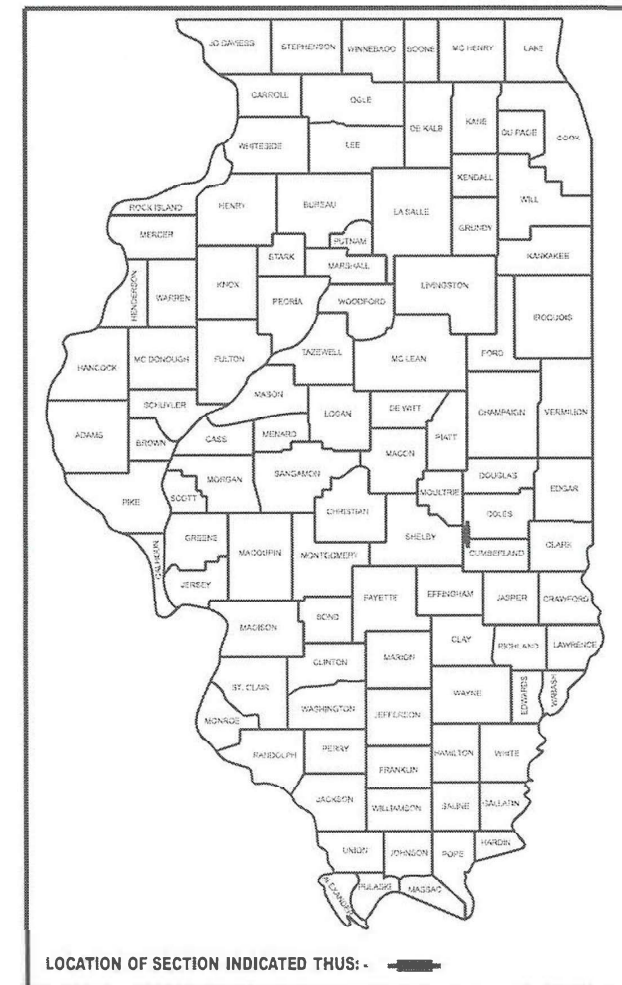
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

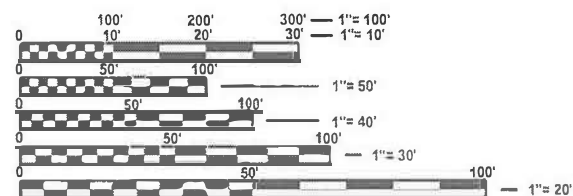
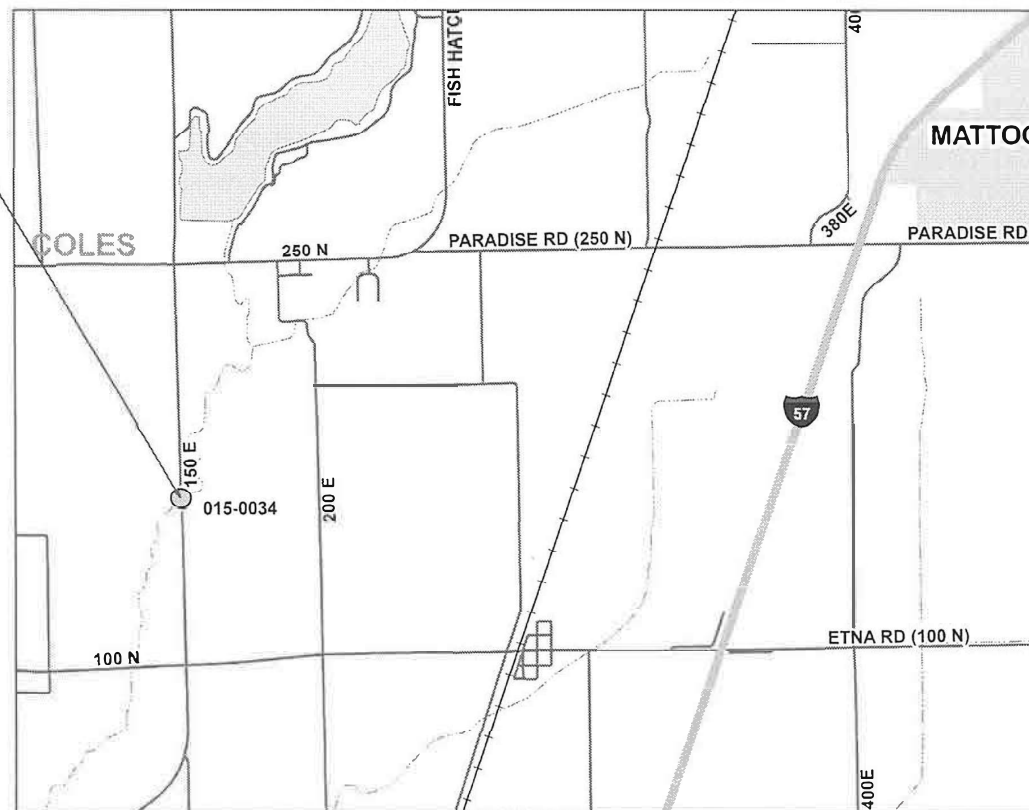
ADT (2024) = 1,100

FAS ROUTE 674 (CH 31)
SECTION (32Q-MFT)BR
PROJECT BR-UJ7G(248)
BRIDGE REPLACEMENT
COLES COUNTY

C-97-020-14



**STRUCTURE REPLACEMENT
PROPOSED SN 015-0081
STA 132+70.5
EXISTING SN 015-0034
STA 132+65
PAVING LIMITS: STA 129+19 TO STA 135+65**



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: BRIAN BIERMAN
PROJECT MANAGER: KALEB HIRTZEL

CONTRACT NO. 74653

GROSS LENGTH = 646 FT. = 0.122 MILE
NET LENGTH = 646 FT. = 0.122 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 10, 2025
Terese C. Pirolo
REGIONAL ENGINEER

January 23, 2026
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

January 23, 2026
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

ADDITIONAL SIGNS SHALL BE PLACED AT THE FOLLOWING LOCATIONS:
 ROAD CLOSED 1 MILE ALONG CH 31, JUST SOUTH OF LAKE RD (250N)
 ROAD CLOSED 1 MILE ALONG CH 31, JUST NORTH OF ETNA RD (100N)
 ROAD CLOSED 6 MILES ALONG LAKE RD, JUST SOUTH OF IL 16
 ROAD CLOSED 5 MILES ALONG COUNTY RD (100 E), JUST NORTH OF 12 ST IN NEOGA

PAY ITEMS HAVE BEEN INCLUDED IN ORDER TO PROTECT THE LITTLE WABASH RIVER INAI SITE. CARE SHALL BE TAKEN TO AVOID AND MINIMIZE IMPACTS TO THIS RESOURCE.

THE CONTRACTOR SHALL NOT PLACE RAISED REFLECTIVE PAVEMENT MARKERS IN THE NEW CONCRETE BRIDGE DECK.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE
MAINLINE	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 (2")	PG 64-22	4.0% @ N=70	IL - 9.5	"C"	N70	QCQA	3000
8" SHOULDERS	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 (2" TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	"C"	N70	QCQA	3000
8" SHOULDERS	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (BOTTOM LIFTS)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QCQA	3000

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS & LIST OF STANDARDS
3-4	SUMMARY OF QUANTITIES
5	SCHEDULE OF QUANTITIES
6	TYPICAL SECTIONS
7	PLAN SHEETS
8	PLAN & PROFILE SHEETS
9-10	EROSION CONTROL SHEETS
11-36	STRUCTURE PLANS 015-0081
37-40	DISTRICT DETAILS
41-46	CROSS SECTIONS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

STANDARD NO. DESCRIPTION

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-11	PAVEMENT JOINTS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-04	NAME PLATES FOR BRIDGES
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701901-11	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R. 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

MODEL: Untitled (Sheet)
 FILE NAME: c:\p\work\wisc\blb\blb\manaj\1045435\0774653-sh1-index.dgn

USER NAME = Brian.Bierman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, GENERAL NOTES
 & HIGHWAY STANDARDS**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	2
CONTRACT NO. 74653				
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				0010 80% FED 20% STATE
20200100	EARTH EXCAVATION	CU YD	184	184
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	7	7
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	132	132
25100630	EROSION CONTROL BLANKET	SQ YD	298	298
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	11	11
28000400	PERIMETER EROSION BARRIER	FOOT	873	873
28100105	STONE RIPRAP, CLASS A3	SQ YD	48	48
28100109	STONE RIPRAP, CLASS A5	SQ YD	1411	1411
28200200	FILTER FABRIC	SQ YD	1459	1459
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	347	347
40600370	LONGITUDINAL JOINT SEALANT	FOOT	347	347
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	86	86
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	203	203
44000100	PAVEMENT REMOVAL	SQ YD	378	378

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				0010 80% FED 20% STATE
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	206	206
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	196	196
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50200100	STRUCTURE EXCAVATION	CU YD	226	226
50200300	COFFERDAM EXCAVATION	CU YD	607	607
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1	1
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1	1
50300225	CONCRETE STRUCTURES	CU YD	253.1	253.1
50300255	CONCRETE SUPERSTRUCTURE	CU YD	257.4	257.4
50300260	BRIDGE DECK GROOVING	SQ YD	807	807
50300265	SEAL COAT CONCRETE	CU YD	205.4	205.4
50300300	PROTECTIVE COAT	SQ YD	1059	1059
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	95.6	95.6
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1

MODEL: SOQ (Sheet)
 FILE NAME: c:\p\work\view\blb\blbman\blb1045435\0774653-sht-soq.dgn

USER NAME = Brian.Bierman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	3
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE 0010
50500505	STUD SHEAR CONNECTORS	EACH	4785	4785
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	121500	121500
51201710	FURNISHING STEEL PILES HP12X84	FOOT	1266	1266
51202305	DRIVING PILES	FOOT	1266	1266
51203710	TEST PILE STEEL HP12X84	EACH	4	4
51500100	NAME PLATES	EACH	1	1
52100510	ANCHOR BOLTS, 3/4"	EACH	20	20
52100520	ANCHOR BOLTS, 1"	EACH	20	20
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	133	133
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	74	74
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	163	163
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	363	363
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE 0010
63200310	GUARDRAIL REMOVAL	FOOT	835	835
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MODILIZATION	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1454	1454
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	8	8
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5	0.5
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	771	771
X5080530	BAR TERMINATORS	EACH	494	494
X5230174	DRAINAGE SCUPPERS, DS-11	EACH	4	4
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1
X7011801	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1
X7200203	DETOUR SIGNING	L SUM	1	1
Z0004552	APPROACH SLAB REMOVAL	SQ YD	89	89

* SPECIALTY ITEMS

MODEL: Unlited (Sheet)
FILE NAME: c:\p\work\wisc\blm\man\blm\1045435\0774653-sh-ssq.dgn

USER NAME = Brian.Bierman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

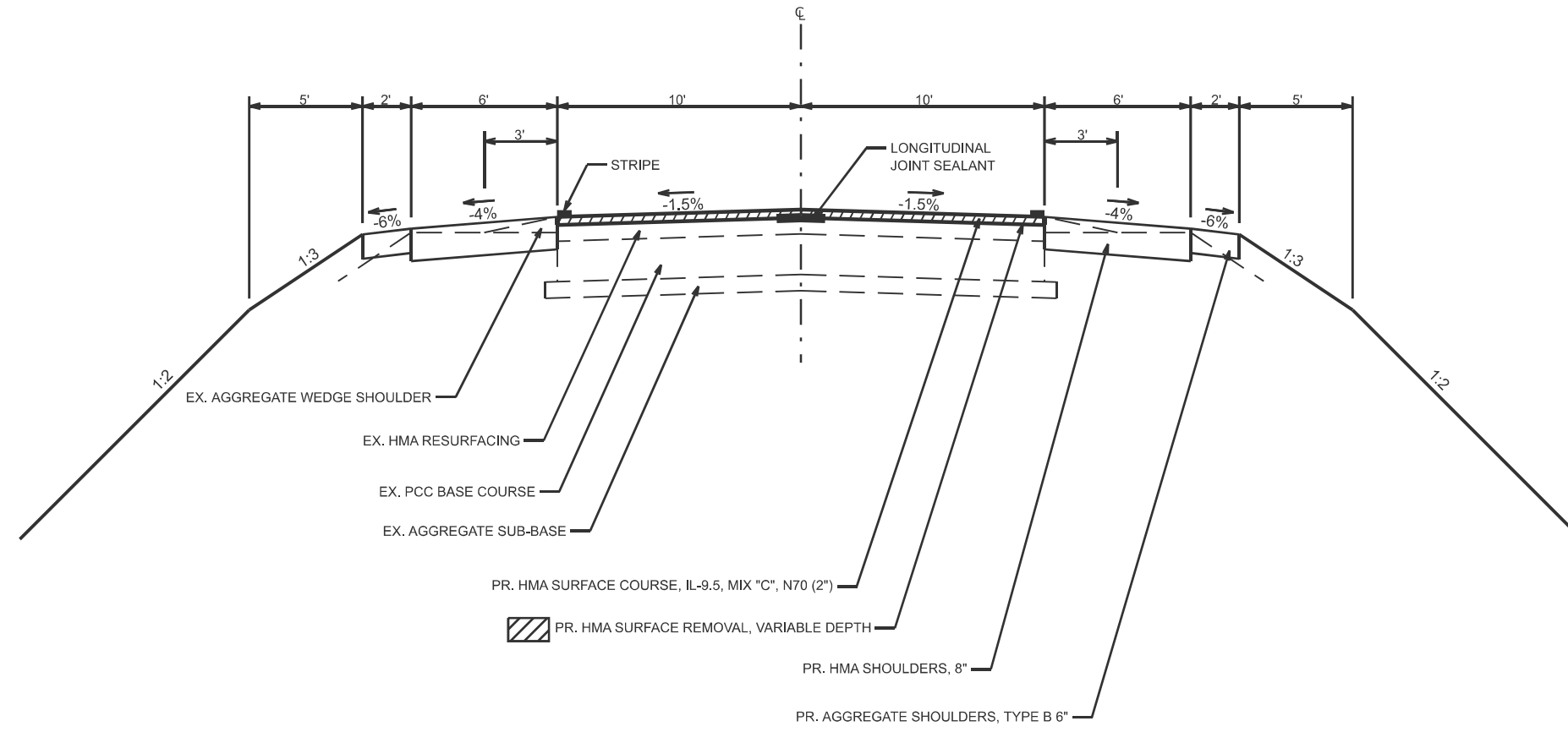
SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	4
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

PROPOSED TYPICAL SECTION

STA. 129+19 TO STA. 131+24.98
STA. 134+16.76 TO STA. 135+65



MODEL: TYPICAL SECTION-1 (Sheet)
FILE NAME: c:\p\work\visual\hrtzel\1045435\074653-sh-1-NewTypical.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION

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

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	5
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

EARTH EXCAVATION			EARTH EXCAVATION CU YD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) CU YD	EARTH FILL CU YD	EARTHWORK BALANCE, WASTE (+) OR SHORTAGE (-) CU YD
STATIONING		SIDE				
FROM	TO					
129+25	132+00	LT	39.3	29.5	45.2	-15.7
129+25	132+00	RT	61.9	46.4	53.2	-6.8
133+75	135+75	LT	45.5	34.1	4.8	29.4
134+00	135+75	RT	37.4	28.1	13.9	14.1
PROJECT TOTALS:			184	-	117	21

PERIMETER EROSION BARRIER				PER METER EROSION BARRIER FEET
STATIONING		SIDE	OFFSET FEET	
FROM	TO			
129+10	131+83	RT	41.8	273.0
129+47	13156.0	LT	38.6	209.0
133+58	13374.0	LT	35.5	16.0
133+85	134+01.00	RT	37.4	16.0
133+82	135+75.00	LT	35.5	193.0
134+09	135+75	RT	37.4	166.0
PROJECT TOTAL:				873

EROSION CONTROL BLANKET			EROSION CONTROL BLANKET SQ YD
STATIONING		SIDE	
FROM	TO		
131+00	131+56	LT	75.4
131+00	131+83	RT	108.0
133+58	133+74	LT	15.2
133+82	134+44	LT	28.9
133+85	134+01	RT	26.8
134+09	134+44	RT	43.5
PROJECT TOTAL:			298

NOTE: FOR USE ON THE 1:2 SLOPES

GUARDRAIL SCHEDULE				STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	GUARDRAIL REMOVAL	GUARDRAIL REFLECTORS, TYPE A	TERMINAL MARKER - DIRECT APPLIED
LT STA	TO	RT STA	TO	FT	EACH	EACH	FT	EACH	EACH
129+59	129+64			-	-	-	5	-	-
129+64	130+14			-	-	1	50	1	1
130+14	131+14			100	-	-	100	2	-
131+14	131+51			-	1	-	37	1	-
131+51	131+88			-	-	-	37	-	-
129+29	129+79			-	-	1	42	1	1
129+79	131+42			163	-	-	163	2	-
131+42	131+79			-	1	-	37	1	-
131+79	132+17			-	-	-	38	-	-
133+15	133+63			-	-	-	48	-	-
133+63	134+00			-	1	-	37	1	-
134+00	134+75			75	-	-	75	2	-
134+75	135+25			-	-	1	15	1	1
133+41	133+90			-	-	-	49	-	-
133+90	134+27			-	1	-	37	1	-
134+27	134+52			25	-	-	25	1	-
134+52	135+02			-	-	1	40	2	1
TOTALS:				363	4	4	835	16	4

PAVING SCHEDULE				SIDE	LENGTH	PAVEMENT WIDTH	HMA SHOULDER WIDTH	AGGREGATE SHOULDER WIDTH	APPROACH SLAB REMOVAL	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL- 9.5, MIX "C", N70 (2")	HOT-MIX ASPHALT SHOULDERS, 8"	EXCAVATING AND GRADING EXISTING SHOULDER	AGGREGATE SHOULDERS, TYPE B 6"	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	LONGITUDINAL JOINT SEALANT
STA	TO	STA	TO	LT/RT	FEET	FEET	FEET	FEET	SQ YD	SQ YD	SQ YD	POUND	TON	SQ YD	UNIT	SQ YD	SQ YD	FOOT
129+19	129+56			RT	37	20	6	4	0	0	82	37	9	25	0.4	16	0	37
129+56	131+21			LT & RT	165	20	6	4-2 & 2	0	0	367	165	41	220	3.3	86	0	165
131+21	131+50			LT & RT	29	32	0	2	0	63	0	0	0	0	0	13	101	0
131+50	131+80			LT & RT	30	32	0	0	0	107	0	0	0	0	0	0	0	0
131+80	132+03			LT & RT	23	32	0	0	44	7	0	0	0	0	0	0	0	0
BRIDGE OMISSION				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
133+27	133+61			LT & RT	34	32	0	0	44	31	0	0	0	0	0	0	0	0
133+61	133+91			LT & RT	30	32	0	0	0	107	0	0	0	0	0	0	0	0
133+91	134+20			LT & RT	29	32	0	2	0	63	0	0	0	0	0	13	101	0
134+20	135+36			LT & RT	116	20	6	2 & 4-0	0	0	258	116	29	155	2.3	73	0	116
135+36	135+59			LT & RT	23	20	6	4-0	0	0	51	23	6	31	0.5	5	0	23
135+59	135+65			LT & RT	6	20	6	0	0	0	13	6	1	8	0.1	0	0	6
TOTALS:					522				89	378	771	347	86	438	7	206	203	347

RIPRAP			FILTER FABRIC	STONE RIPRAP, CLASS A3
STATIONING		SIDE	SQ YD	SQ YD
FROM	TO			
133+74	133+82	LT	25.4	25.4
134+01	134+09	RT	22.8	22.8
TOTALS:			48	48

SEEDING				SEEDING, CLASS 2 (SPECIAL)	TEMPORARY EROSION CONTROL SEEDING
STATIONING			SIDE	ACRE	POUND
FROM	TO				
129+25	132+00	LT	0.007	2.9	
129+25	132+00	RT	0.010	4.2	
133+75	135+75	LT	0.003	1.3	
134+00	135+75	RT	0.006	2.3	
TOTALS:			0.5	11	

STRIPING SCHEDULE				LENGTH	PAINT PAVEMENT MARKING - LINE 4"	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STA	TO	STA	TO	FEET	FOOT	EACH	EACH
129+19	135+65			646	1454	8	4
TOTALS:				646	1454	8	4

TOPSOIL				TOPSOIL EXCAVATION AND PLACEMENT
STATIONING		LENGTH FEET	SIDE	CU YD
FROM	TO			
129+25	132+00	275	LT	35.3
129+25	132+00	275	RT	51.2
133+75	135+75	200	LT	17.6
134+00	135+75	175	RT	27.9
PROJECT TOTAL:				132

MODEL: Unfiled (Sheet)
FILE NAME: c:\pawork\wiscob\blerman\bl1045435\0774653-sht-schedule.dgn

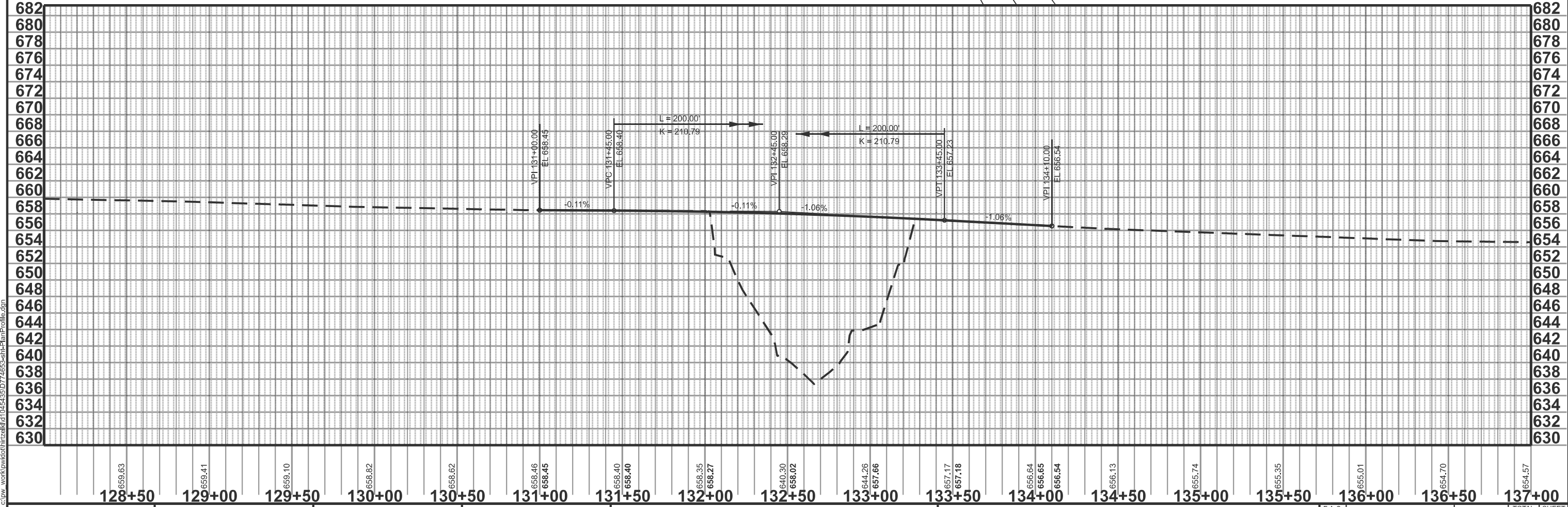
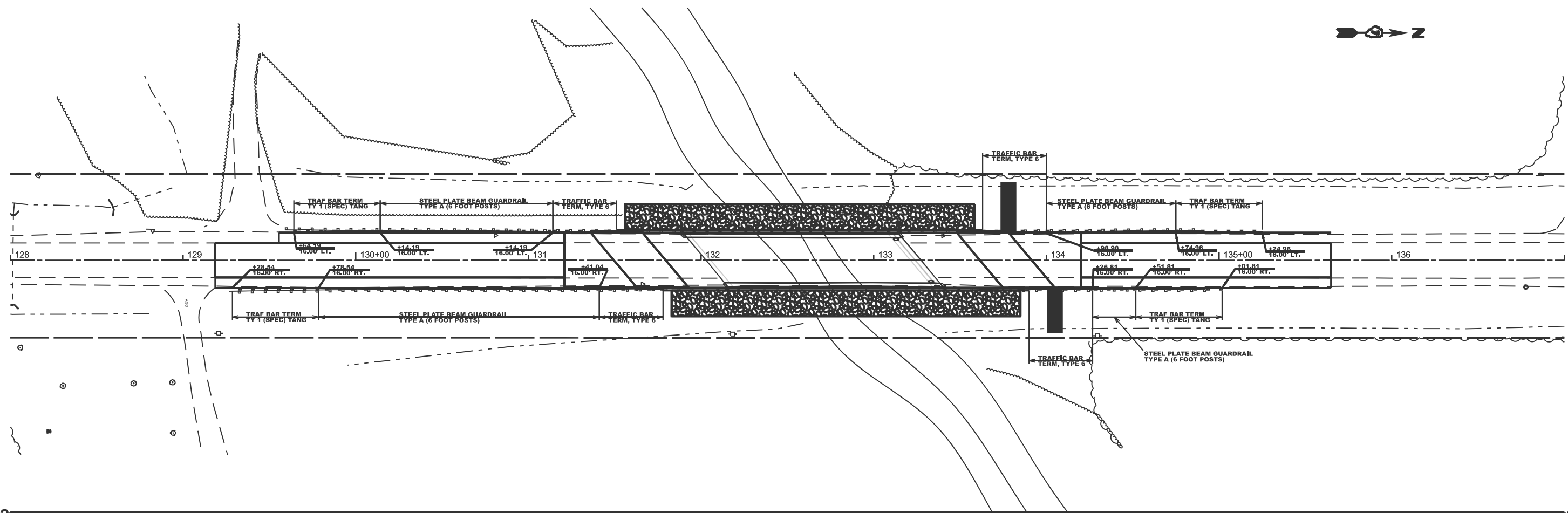
USER NAME = Brian.Bierman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR		46	6
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



MODEL: CH131 - CH 131 Plan (Sheet)
 FILE NAME: c:\pwworking\hrtz\10454350\74653-sh-PlanProfile.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEET

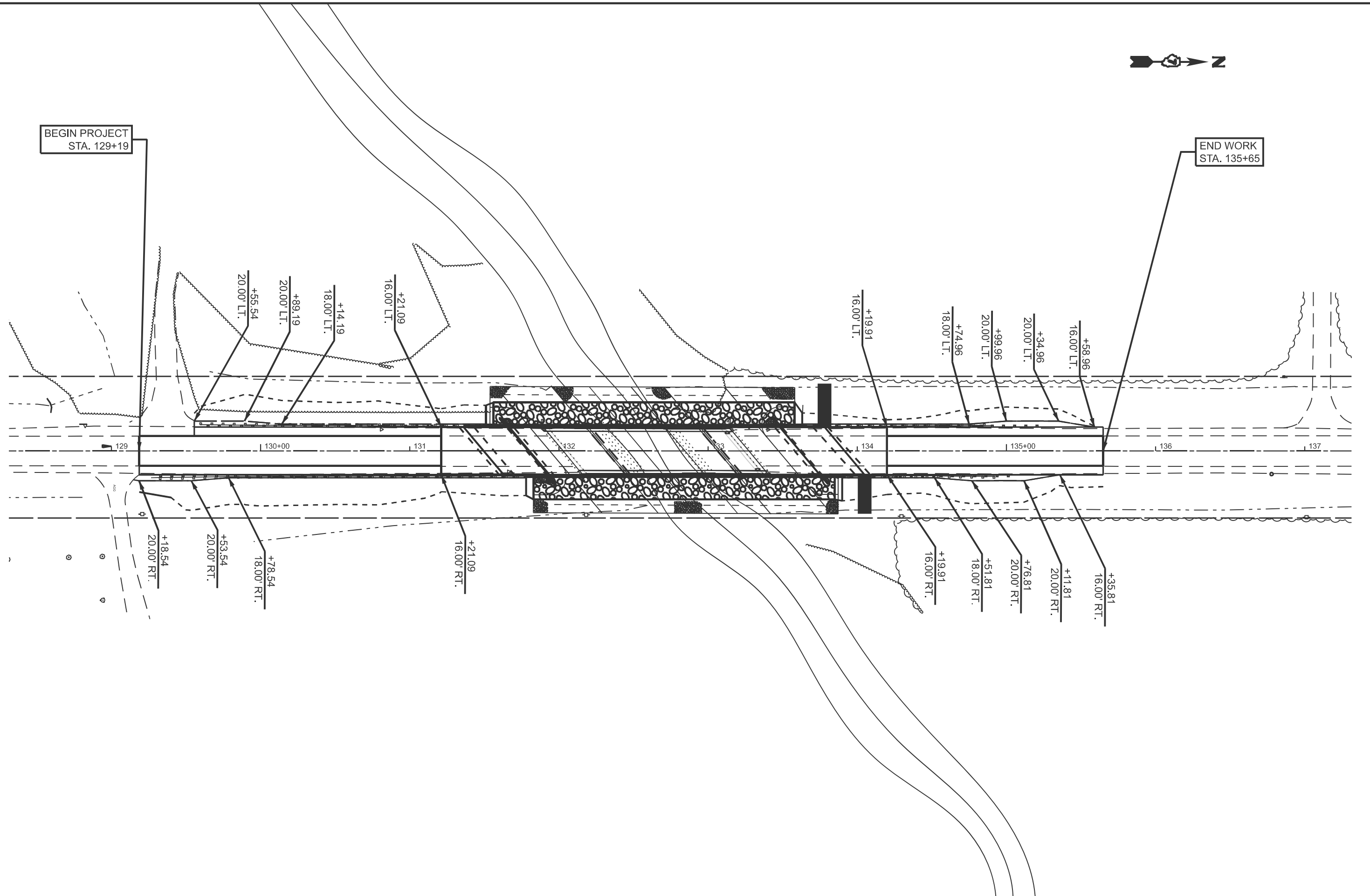
SCALE: 1"=30' SHEET 1 OF 1 SHEETS STA. 128+00.00 TO STA. 137+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	7
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



BEGIN PROJECT
STA. 129+19

END WORK
STA. 135+65



MODEL: CH131 - Plan 1 (Sheet)
FILE NAME: c:\pwworking\blerman\bl1045435\0774653-sht-plan sheets.dgn

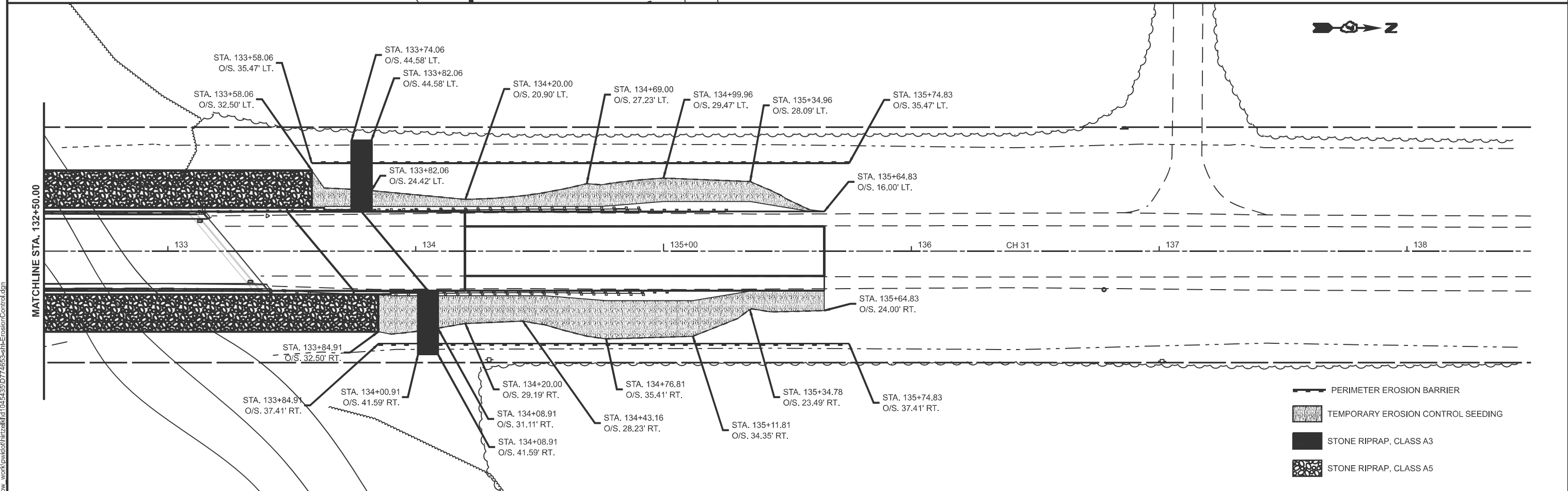
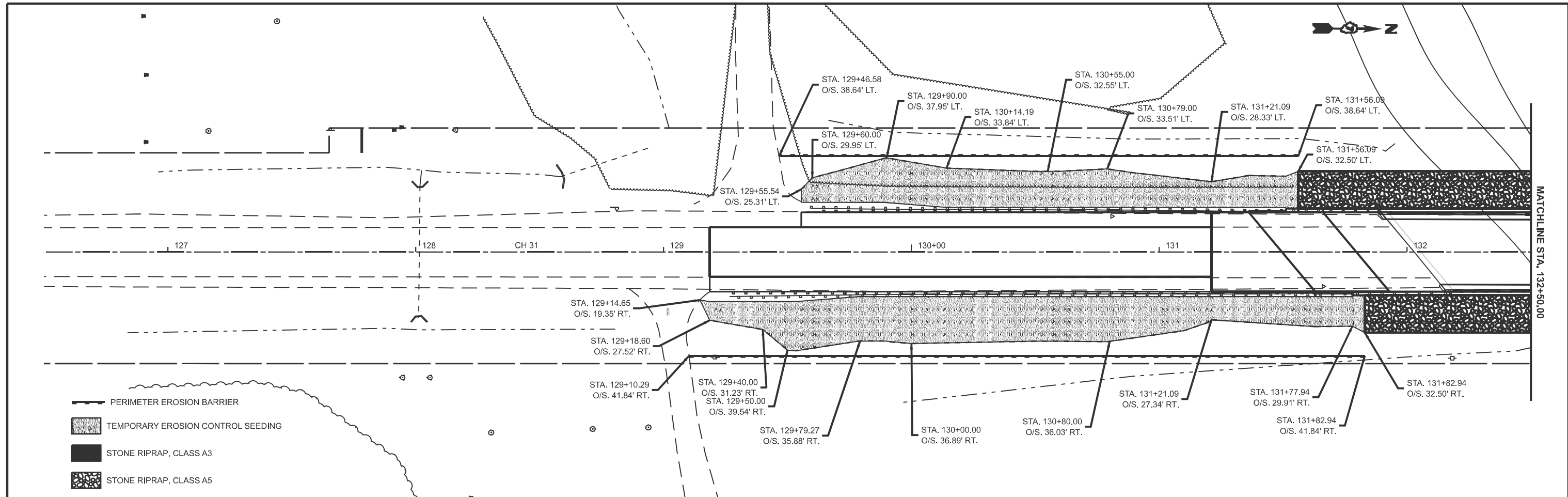
USER NAME = Brian.Blerman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: 1"=30' SHEET 1 OF 1 SHEETS STA. 128+31.31 TO STA. 137+31.31

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	8
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



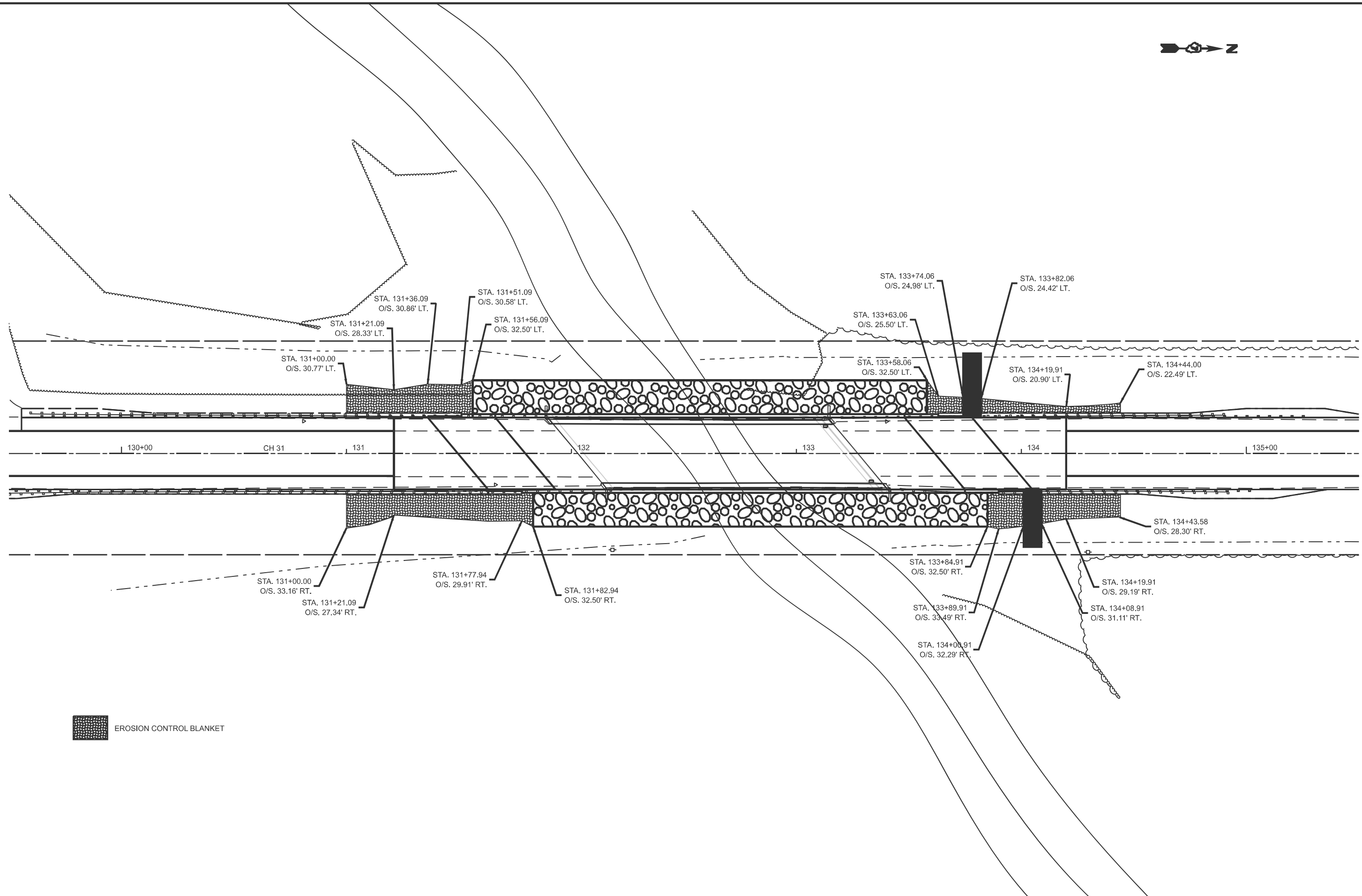
MODEL: CH32 - New Erosion Control (Sheet)
 FILE NAME: c:\pwworking\hrtzeld\1045435\0774653-sh-ErosionControl.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL			
SCALE: 1"=20'	SHEET 1	OF 2 SHEETS	STA. 126+50.00 TO STA. 138+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	9
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



MODEL: CH31 - Erosion Control [Sheet]
 FILE NAME: c:\pwworking\kaleb.hirtzel\1045435\0774653-sh-ErosionControl_ErosionBlanket.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL	
SCALE: 1"=20'	SHEET 2 OF 2 SHEETS
STA. 129+50.00	TO STA. 135+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	10
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

Benchmark: BM 506 - Chiseled square on southwest wingwall of bridge 015-0034
 Station 131+90, 15ft. left of \bar{C} , Elevation = 658.856

Existing Structure: Structure 015-0034 was originally built in 1961 under S.A. 7, Section 32Q-MFT at Sta. 132+65. The existing structure consists of a 3 span concrete deck on non composite steel WF beams supported by stub abutments on concrete piles and solid wall piers on spread footings, 40° right ahead skew. Length is 127'-10" back to back abutments, out-to-out deck width is 32'-4". Structure to be removed and replaced.

Traffic will be detoured during construction.

No salvage.

DESIGN SPECIFICATIONS

2024 AASHTO LRFD Bridge Design Specifications, 10th Edition

DESIGN STRESSES

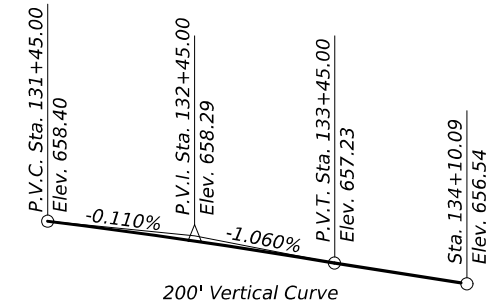
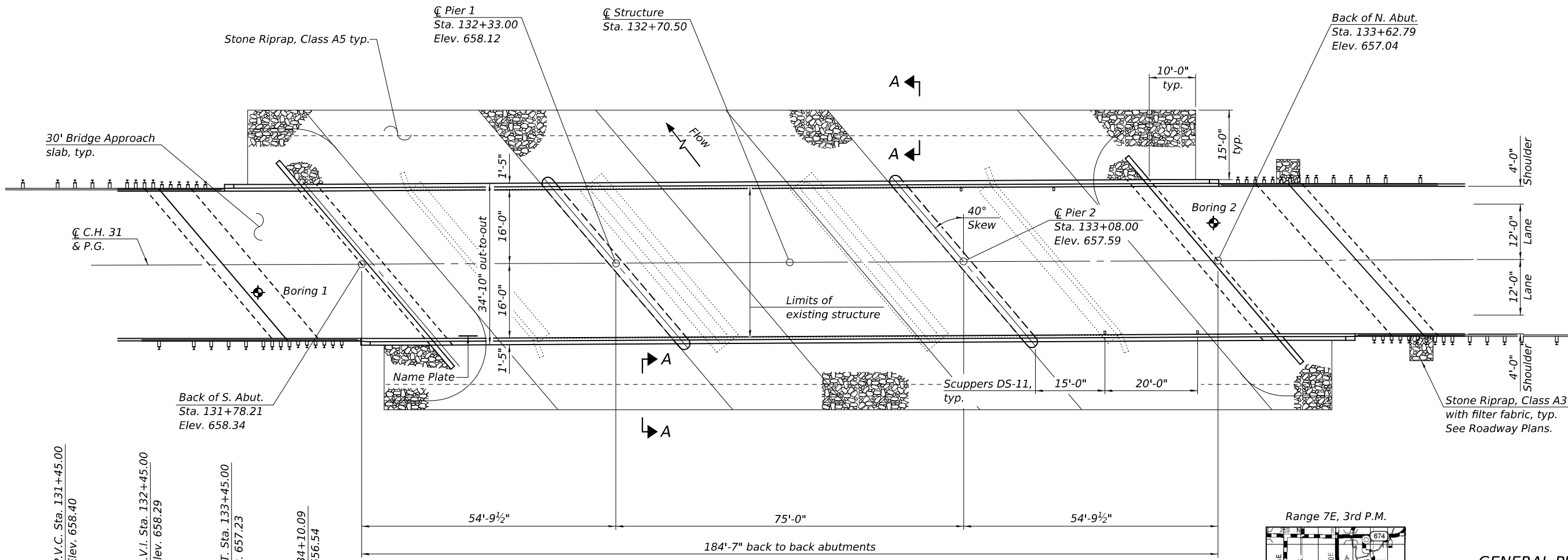
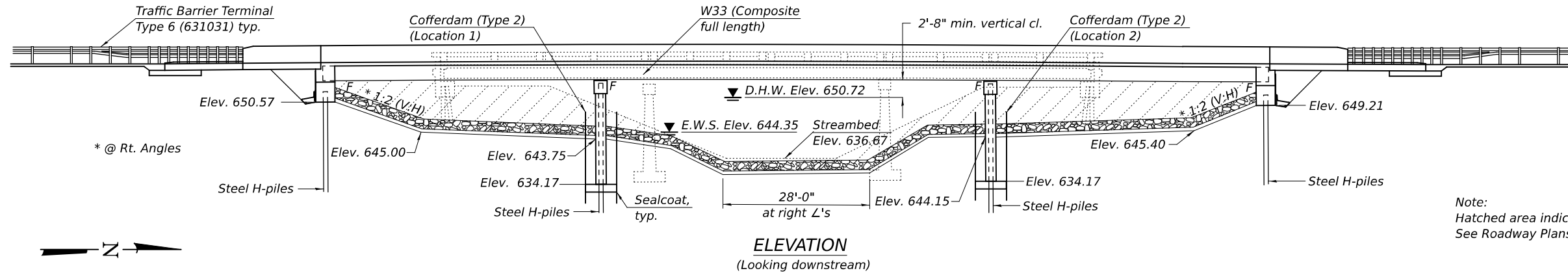
FIELD UNITS
 $f'_c = 3,500$ psi (Substructure)
 $f'_c = 4,000$ psi (Superstructure)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)
 All structural steel shall be galvanized.

SEISMIC DATA

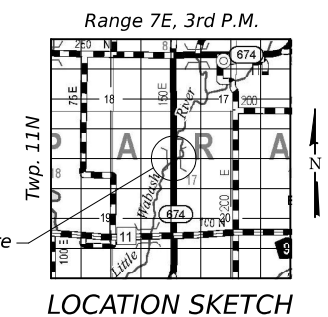
2023 AASHTO Seismic Hazard
 Seismic Design Category (SDC) = A
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.116g
 Soil Site Class = C
 Performance Level = Life Safety
 Latitude = 39.40° N Longitude = 88.44° W

LOADING HL-93

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



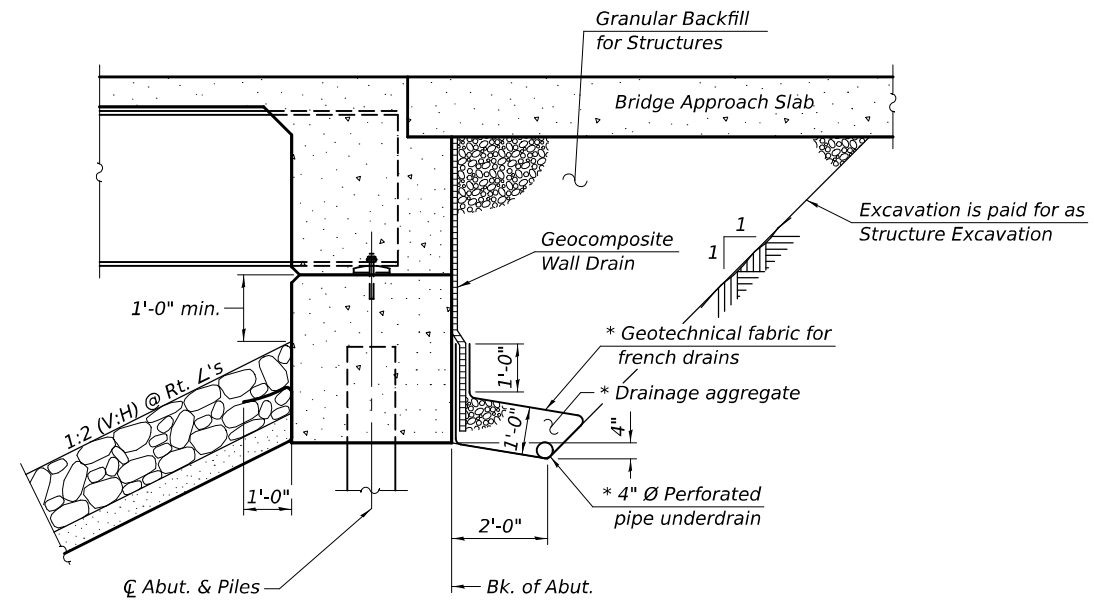
Professional Engineer Seal for Justan W. Mann, State of Illinois, License No. 081-005947, Expires 11-30-2026.



GENERAL PLAN & ELEVATION
C.H. 31 OVER LITTLE WABASH RIVER
F.A.S. ROUTE 674 - SEC. (32Q-MFT)BR
COLES COUNTY
STATION 132+70.50
STRUCTURE NO. 015-0081

MODEL: 74653-001
 FILE NAME: p:\p\ltdo-pw\benley.com\PWIDOT\Documents\IDOT\Offices\Bureau of Bridges and Structures\OBM\Projects\0150081\CADData\Bridges\0150081-Original Design.dgn
 1/28/2026 2:16:10 PM

DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffler</i>	DATE - 1/28/2026	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.S. RTE. 674	SECTION (32Q-MFT)BR	COUNTY COLES	TOTAL SHEETS 46	SHEET NO. 11
CHECKED - ANDREW M. DIORIO	PASSED - <i>Justan W. Mann</i>	REVISIONS		CONTRACT NO. 74653				
DRAWN - GLENN W. STOVER	ENGINEER OF BRIDGE DESIGN			ILLINOIS FED. AID PROJECT				
CHECKED - T.L.A. / A.M.D. / R.P.N.	ENGINEER OF BRIDGES AND STRUCTURES			SHEET 1 OF 26 SHEETS				



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

* Included in the cost of Pipe Underdrains for Structures.

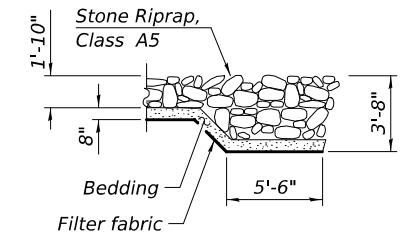
Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

INDEX OF SHEETS

- 1 General Plan & Elevation
- 2 General Data
- 3-5 Top of Slab Elevations
- 6 Top of S. Approach Slab Elevations
- 7 Top of N. Approach Slab Elevations
- 8 Superstructure
- 9 Superstructure Details
- 10 Diaphragm Details
- 11 Drainage Scuppers, DS-11
- 12-13 Bridge Approach Slab Details
- 14 Structural Steel
- 15-16 Structural Steel Details
- 17 Bearing Details
- 18 South Abutment
- 19 North Abutment
- 20-21 Piers 1 & 2
- 22 Pier Details
- 23 HP Pile Details
- 24 Concrete Slip Forming Option
- 25-26 Boring Logs

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
All new structural steel shall be galvanized. See Special Provision for "Hot Dip Galvanizing for Structural Steel".
Calculated weight of Structural Steel = 139,480 lbs. (M270 Grade 50)
Calculated weight of Structural Steel = 18,150 lbs. (M270 Grade 36)
No field welding is permitted except as specified in the contract documents.
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
The Seal coat design thickness is estimated based on the Cofferdam Design Water Elevation (CDWE) shown. Final cofferdam design, details and seal coat thickness shall be submitted to the Engineer for approval.
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.
Fasteners shall be ASTM F 3125 Grade A325 Type 1, hot-dip galvanized. See Special Provision for "Hot Dip Galvanizing for Structural Steel". Bolts 7/8 in. diameter, holes 1 1/16 in. diameter, unless otherwise noted.



SECTION A-A

STA. 132+70.50
BUILT BY
STATE OF ILLINOIS
F.A.S. RT. 674 - SEC. (32Q-MFT)BR
LOADING HL-93
STR. NO. 015-0081

NAME PLATE
See Std. 515001

WATERWAY INFORMATION

Drainage Area = 19.7 sq. miles		Existing Overtopping Elev. = 654.4 @ Sta. 138+02.00							
		Proposed Overtopping Elev. = 654.4 @ Sta. 138+02.00							
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	2,960	596	750	649.41	0.79	0.67	650.20	650.08
Base	50	4,640	705	958	650.72	1.33	0.93	652.05	651.65
Scour Design Check	100	5,380	751	1,043	651.24	1.64	1.05	652.88	652.29
Max. Calc.	200	6,173	799	1,130	651.77	1.94	1.19	653.71	652.96
	500	7,230	862	1,241	652.43	2.37	1.40	654.80	653.83

Existing 10 year velocity = 4.9 ft./sec.
Proposed 10 year velocity = 3.9 ft./sec.

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)				Item 113
	S. Abut.	Pier 1	Pier 2	N. Abut.	
Q100	650.57	634.17	634.17	649.21	5
Q200	650.57	634.17	634.17	649.21	
Design	650.57	634.17	634.17	649.21	
Check	650.57	634.17	634.17	649.21	

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		1411	1411
Filter Fabric	Sq. Yd.		1411	1411
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.		226	226
Cofferdam Excavation	Cu. Yd.		607	607
Cofferdam (Type 2) (Location - 1)	Each		1	1
Cofferdam (Type 2) (Location - 2)	Each		1	1
Concrete Structures	Cu. Yd.		253.1	253.1
Concrete Superstructure	Cu. Yd.	257.4		257.4
Bridge Deck Grooving	Sq. Yd.	807		807
Seal Coat Concrete	Cu. Yd.		205.4	205.4
Protective Coat	Sq. Yd.	1059		1059
Concrete Superstructure (Approach Slab)	Cu. Yd.	95.6		95.6
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	4785		4785
Reinforcement Bars, Epoxy Coated	Pound	101,600	19,900	121,500
Furnishing Steel Piles HP 12 x 84	Foot		1266	1266
Driving Piles	Foot		1266	1266
Test Pile Steel HP 12 x 84	Each		4	4
Name Plates	Each	1		1
Anchor Bolts, 3/4"	Each	20		20
Anchor Bolts, 1"	Each	20		20
Granular Backfill for Structures	Cu. Yd.		133	133
Geocomposite Wall Drain	Sq. Yd.		74	74
Pipe Underdrains for Structures 4"	Foot		163	163
Bar Terminators	Each	70	424	494
Drainage Scuppers, DS-11	Each	4		4

MODEL: 74653.dgn
FILE NAME: I:\projects\p0150081\CA\DD\Drawings\0150081-01\Original\Drawings.dgn

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

EXAMINED
Mark Stoffer
ENGINEER OF BRIDGE DESIGN

PASSED
Glenn W. Stover
ENGINEER OF BRIDGES AND STRUCTURES

DATE	JANUARY 28, 2026
REVISED -	---
REVISED -	---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 015-0081

SHEET 2 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	12
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	131+66.04	-14.50	658.14	658.14
☉ Brg. S. Abut.	131+68.43	-14.50	658.13	658.13
C	131+78.43	-14.50	658.11	658.12
D	131+88.43	-14.50	658.08	658.09
E	131+98.43	-14.50	658.04	658.05
F	132+08.43	-14.50	658.00	658.01
☉ Brg. Pier 1	132+20.83	-14.50	657.95	657.95
G	132+30.83	-14.50	657.90	657.92
H	132+40.83	-14.50	657.85	657.89
I	132+50.83	-14.50	657.79	657.84
J	132+60.83	-14.50	657.72	657.78
K	132+70.83	-14.50	657.66	657.70
L	132+80.83	-14.50	657.58	657.61
M	132+90.83	-14.50	657.50	657.51
☉ Brg. Pier 2	132+95.83	-14.50	657.46	657.46
N	133+05.83	-14.50	657.38	657.38
O	133+15.83	-14.50	657.29	657.30
P	133+25.83	-14.50	657.19	657.21
Q	133+35.83	-14.50	657.10	657.11
☉ Brg. N. Abut.	133+48.23	-14.50	656.97	656.97
Bk. N. Abut.	133+50.62	-14.50	656.94	656.94

BEAM 2

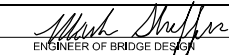

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	131+72.12	-7.25	658.24	658.24
☉ Brg. S. Abut.	131+74.52	-7.25	658.24	658.24
C	131+84.52	-7.25	658.21	658.22
D	131+94.52	-7.25	658.18	658.19
E	132+04.52	-7.25	658.14	658.15
F	132+14.52	-7.25	658.10	658.10
☉ Brg. Pier 1	132+26.92	-7.25	658.04	658.04
G	132+36.92	-7.25	657.99	658.01
H	132+46.92	-7.25	657.93	657.97
I	132+56.92	-7.25	657.87	657.92
J	132+66.92	-7.25	657.80	657.86
K	132+76.92	-7.25	657.73	657.78
L	132+86.92	-7.25	657.66	657.69
M	132+96.92	-7.25	657.58	657.59
☉ Brg. Pier 2	133+01.92	-7.25	657.53	657.53
N	133+11.92	-7.25	657.45	657.45
O	133+21.92	-7.25	657.35	657.36
P	133+31.92	-7.25	657.26	657.27
Q	133+41.92	-7.25	657.15	657.17
☉ Brg. N. Abut.	133+54.31	-7.25	657.02	657.02
Bk. N. Abut.	133+56.71	-7.25	657.00	657.00

BEAM 3, ☉ ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	131+78.21	0.00	658.34	658.34
☉ Brg. S. Abut.	131+80.60	0.00	658.33	658.33
C	131+90.60	0.00	658.30	658.31
D	132+00.60	0.00	658.27	658.28
E	132+10.60	0.00	658.23	658.24
F	132+20.60	0.00	658.18	658.18
☉ Brg. Pier 1	132+33.00	0.00	658.12	658.12
G	132+43.00	0.00	658.06	658.08
H	132+53.00	0.00	658.00	658.04
I	132+63.00	0.00	657.94	657.99
J	132+73.00	0.00	657.87	657.93
K	132+83.00	0.00	657.80	657.84
L	132+93.00	0.00	657.72	657.75
M	133+03.00	0.00	657.63	657.64
☉ Brg. Pier 2	133+08.00	0.00	657.59	657.59
N	133+18.00	0.00	657.50	657.50
O	133+28.00	0.00	657.40	657.41
P	133+38.00	0.00	657.30	657.32
Q	133+48.00	0.00	657.20	657.21
☉ Brg. N. Abut.	133+60.40	0.00	657.07	657.07
Bk. N. Abut.	133+62.79	0.00	657.04	657.04

MODEL: 74653.dgn
 FILE NAME: I:\projects\p0150081\CADData\Bridges\0150081-Original\Drawings.dgn

DESIGNED - TIFFANY L. ADAMS
 CHECKED - ANDREW M. DIORIO
 DRAWN - GLENN W. STOVER
 CHECKED - T.L.A. / A.M.D. / R.P.N.

EXAMINED 
 ENGINEER OF BRIDGE DESIGN
 PASSED 
 ENGINEER OF BRIDGES AND STRUCTURES

DATE JANUARY 28, 2026
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 015-0081

SHEET 4 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	14
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

BEAM 4

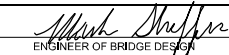

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	131+84.29	7.25	658.21	658.21
☉ Brg. S. Abut.	131+86.68	7.25	658.20	658.20
C	131+96.68	7.25	658.17	658.18
D	132+06.68	7.25	658.13	658.15
E	132+16.68	7.25	658.09	658.10
F	132+26.68	7.25	658.04	658.05
☉ Brg. Pier 1	132+39.08	7.25	657.98	657.98
G	132+49.08	7.25	657.92	657.94
H	132+59.08	7.25	657.86	657.90
I	132+69.08	7.25	657.79	657.84
J	132+79.08	7.25	657.72	657.78
K	132+89.08	7.25	657.64	657.69
L	132+99.08	7.25	657.56	657.59
M	133+09.08	7.25	657.47	657.48
☉ Brg. Pier 2	133+14.08	7.25	657.43	657.43
N	133+24.08	7.25	657.33	657.33
O	133+34.08	7.25	657.23	657.24
P	133+44.08	7.25	657.13	657.14
Q	133+54.08	7.25	657.02	657.04
☉ Brg. N. Abut.	133+66.48	7.25	656.89	656.89
Bk. N. Abut.	133+68.87	7.25	656.87	656.87

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. S. Abut.	131+90.38	14.50	658.07	658.07
☉ Brg. S. Abut.	131+92.77	14.50	658.06	658.06
C	132+02.77	14.50	658.03	658.04
D	132+12.77	14.50	657.99	658.00
E	132+22.77	14.50	657.94	657.95
F	132+32.77	14.50	657.89	657.89
☉ Brg. Pier 1	132+45.17	14.50	657.82	657.82
G	132+55.17	14.50	657.76	657.78
H	132+65.17	14.50	657.69	657.73
I	132+75.17	14.50	657.62	657.68
J	132+85.17	14.50	657.55	657.61
K	132+95.17	14.50	657.47	657.51
L	133+05.17	14.50	657.38	657.41
M	133+15.17	14.50	657.30	657.31
☉ Brg. Pier 2	133+20.17	14.50	657.25	657.25
N	133+30.17	14.50	657.15	657.15
O	133+40.17	14.50	657.05	657.06
P	133+50.17	14.50	656.95	656.96
Q	133+60.17	14.50	656.84	656.85
☉ Brg. N. Abut.	133+72.57	14.50	656.71	656.71
Bk. N. Abut.	133+74.96	14.50	656.68	656.68

MODEL: 74653.dwg
FILE NAME: I:\projects\p150081\CADD\Drawings\Bridges and Structures\CBM Project\0150081\CADD\Drawings\Bridges and Structures\0150081-Original\Drawings.dwg

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

EXAMINED	 ENGINEER OF BRIDGE DESIGN	DATE	JANUARY 28, 2026
PASSED	 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	---
		REVISED -	---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 015-0081**

SHEET 5 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74653	

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	131+36.09	-16.00	658.15
A	131+46.09	-16.00	658.14
B	131+56.09	-16.00	658.12
N. End of S. Approach	131+66.09	-16.00	658.11

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	131+39.44	-12.00	658.23
A	131+49.44	-12.00	658.21
B	131+59.44	-12.00	658.20
N. End of S. Approach	131+69.44	-12.00	658.18

CL ROADWAY & P.G.

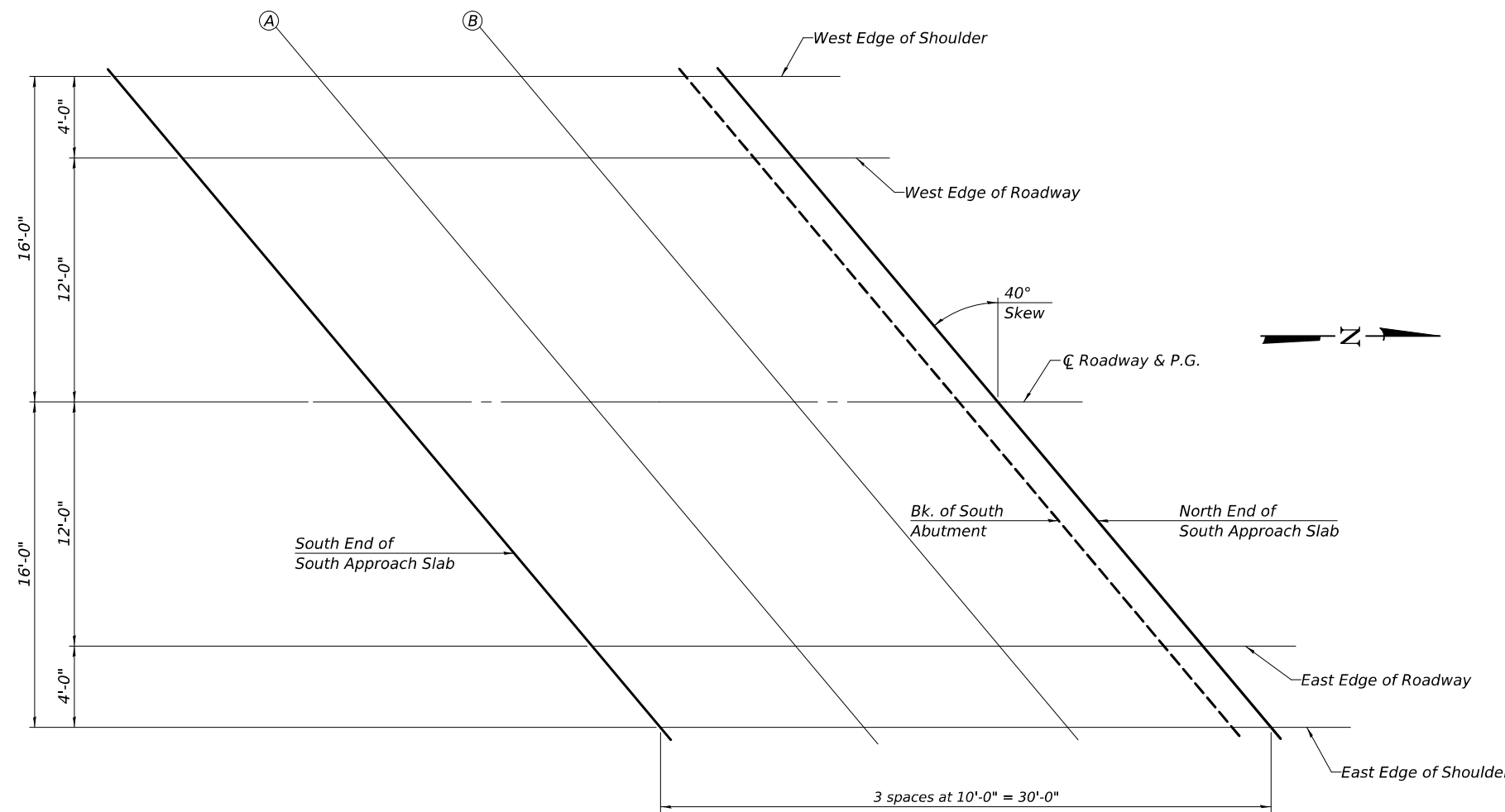
Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	131+49.51	0.00	658.39
A	131+59.51	0.00	658.38
B	131+69.51	0.00	658.36
N. End of S. Approach	131+79.51	0.00	658.33

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	131+59.58	12.00	658.20
A	131+69.58	12.00	658.18
B	131+79.58	12.00	658.15
N. End of S. Approach	131+89.58	12.00	658.12

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	131+62.94	16.00	658.11
A	131+72.94	16.00	658.09
B	131+82.94	16.00	658.06
N. End of S. Approach	131+92.94	16.00	658.03



PLAN

E-AS 5-15-2023

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

EXAMINED	<i>Mark Stoffer</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Glenn W. Stover</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE	JANUARY 28, 2026
REVISED -	---
REVISED -	---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 015-0081**

SHEET 6 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	16
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

MODEL: 74653.dwg FILE NAME: I:\projects\p150081\CADD\Drawings\0150081-Original Design.dwg

WEST EDGE OF SHOULDER

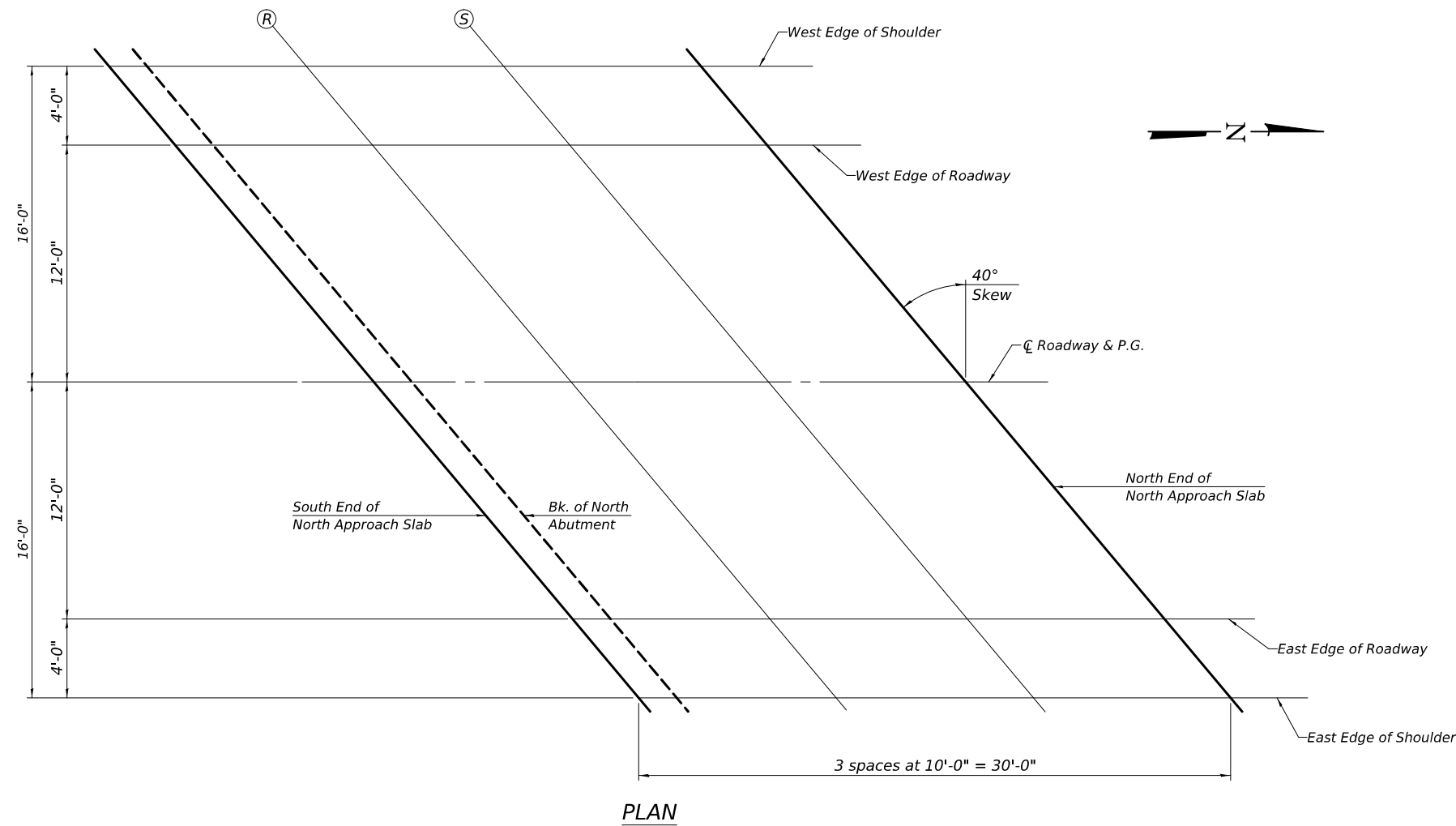
Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	133+48.06	-16.00	656.94
R	133+58.06	-16.00	656.83
S	133+68.06	-16.00	656.73
N. End of N. Approach	133+78.06	-16.00	656.62

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	133+51.42	-12.00	656.98
R	133+61.42	-12.00	656.88
S	133+71.42	-12.00	656.77
N. End of N. Approach	133+81.42	-12.00	656.66

CL ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	133+61.49	0.00	657.06
R	133+71.49	0.00	656.95
S	133+81.49	0.00	656.84
N. End of N. Approach	133+91.49	0.00	656.74



EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	133+71.56	12.00	656.77
R	133+81.56	12.00	656.66
S	133+91.56	12.00	656.56
N. End of N. Approach	134+01.56	12.00	656.45

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	133+74.91	16.00	656.65
R	133+84.91	16.00	656.55
S	133+94.91	16.00	656.44
N. End of N. Approach	134+04.91	16.00	656.33

E-AS 5-15-2023

MODEL: 74653.dgn
FILE NAME: I:\projects\2023\11\11\DOT\Office\Bureau of Bridges and Structures\CBM\Projects\0150081\CADD\Drawings\0150081-Original\Drawings.dgn

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

EXAMINED	<i>Mark Stoffer</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Glenn W. Stover</i> ENGINEER OF BRIDGES AND STRUCTURES

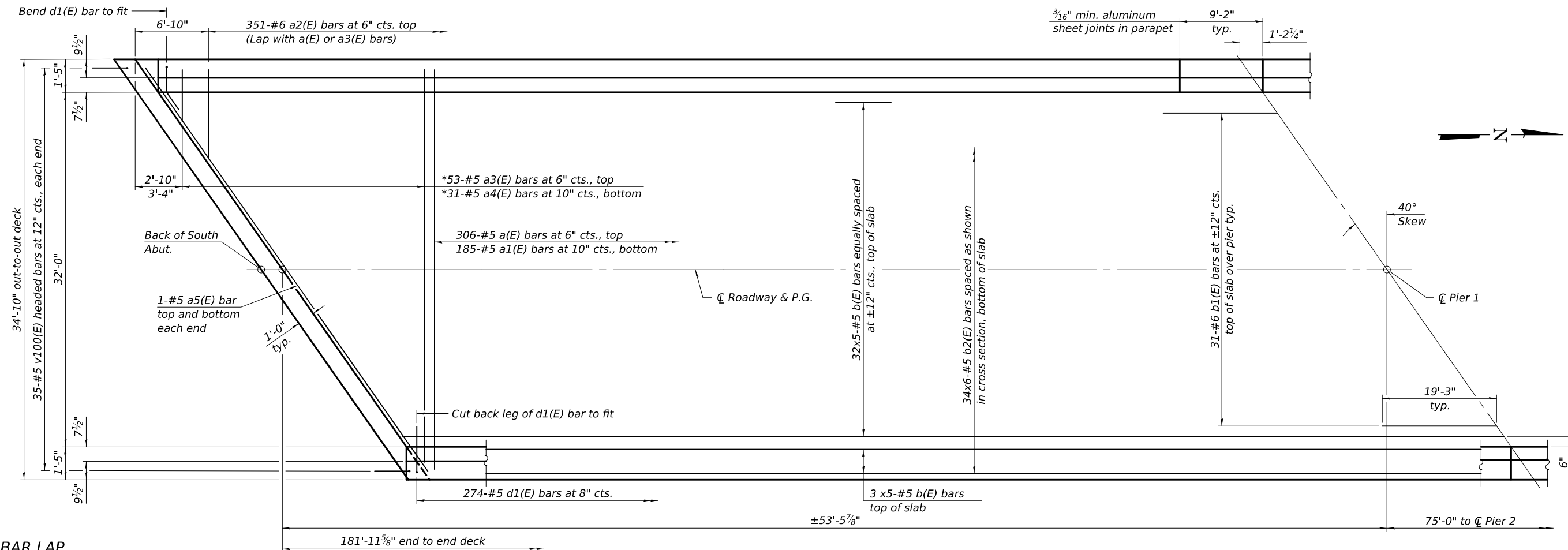
DATE	JANUARY 28, 2026
REVISED -	---
REVISED -	---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 015-0081**

SHEET 7 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	17
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

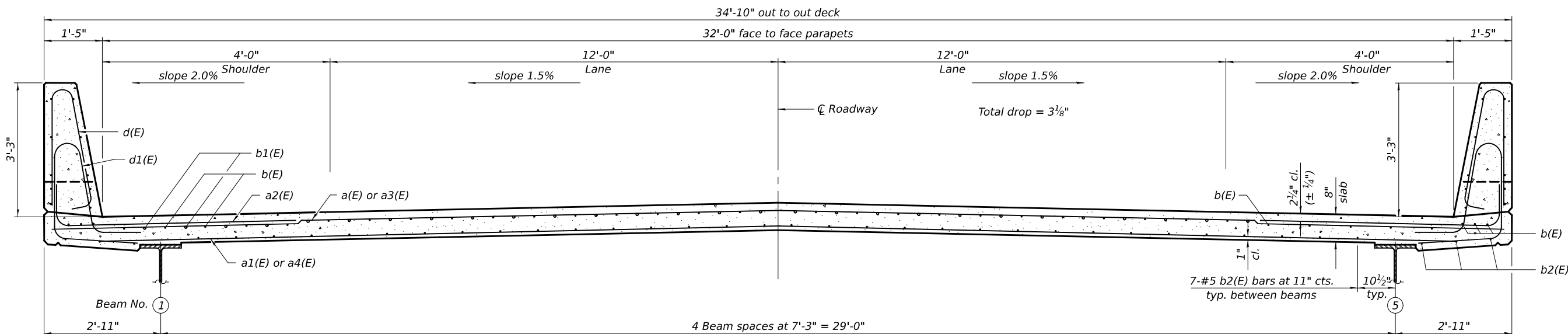


MINIMUM BAR LAP
#5 bar = 3'-10"

* See Field Cutting Diagram on sheet 9 of 26.

PARTIAL PLAN
(Symmetrical about the centerline of span 2)

Notes:
See sheet 9 of 26 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



NEAR PIER

NEAR MIDSPAN

CROSS SECTION
(Looking North)

SI-SB-2-R(>30°) 4-4-2025

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

EXAMINED	<i>Mark Shelton</i> ENGINEER OF BRIDGE DESIGN	DATE	JANUARY 28, 2026
PASSED	<i>Justin W. Mann</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	---
		REVISED -	---

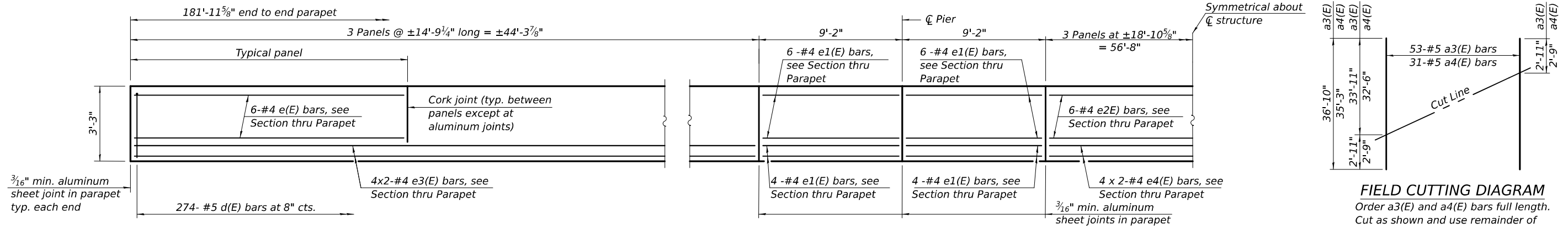
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 015-0081

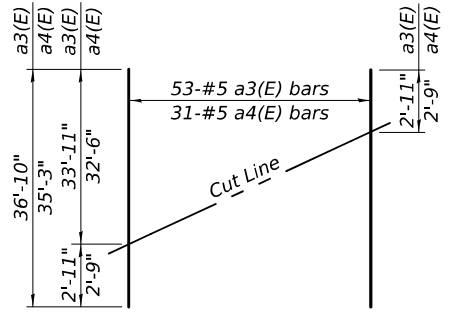
SHEET 8 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	18
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

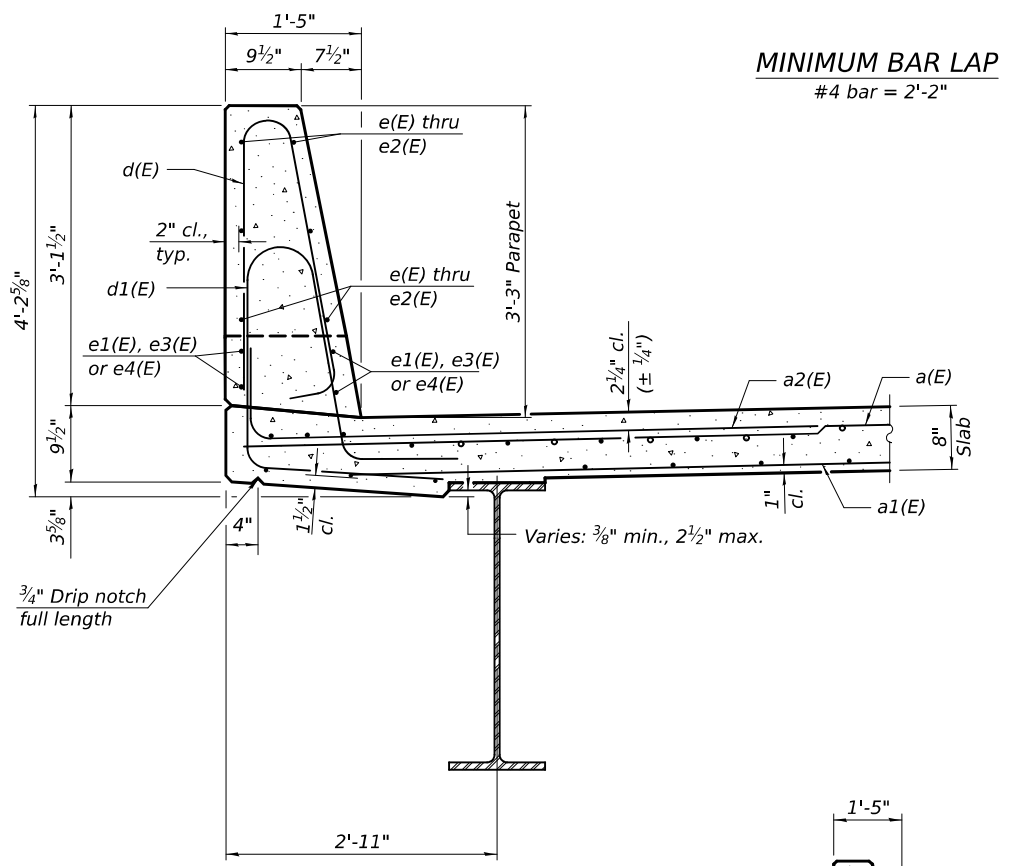
MODEL: 74653-08
 FILE NAME: I:\Bridges\p\015-0081\015-0081-CADD\Drawings\015-0081-Subsheets



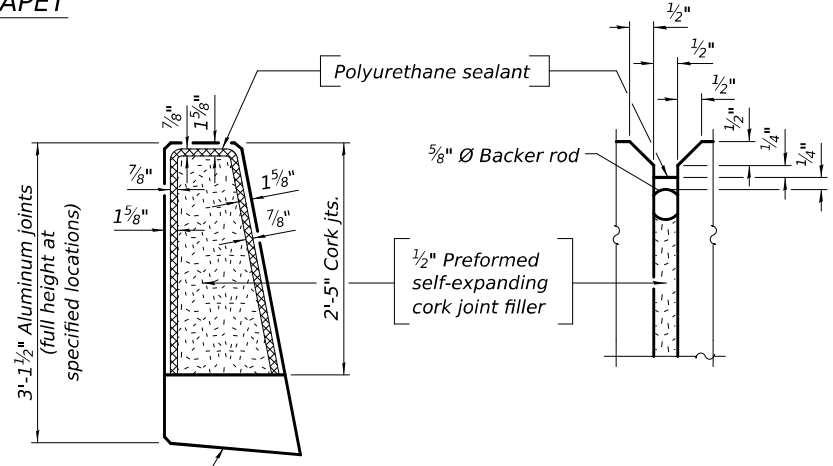
INSIDE ELEVATION OF PARAPET



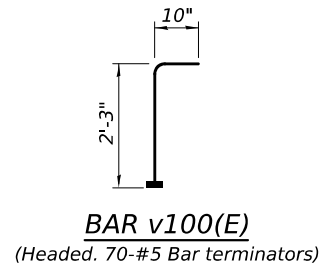
FIELD CUTTING DIAGRAM
Order a3(E) and a4(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.



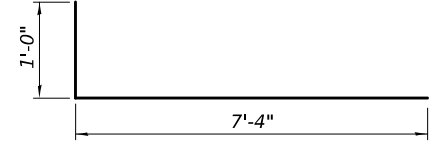
SECTION THRU PARAPET



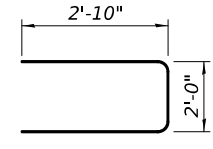
PARAPET JOINT DETAILS



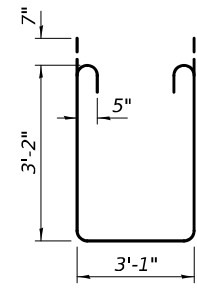
BAR v100(E)
(Headed. 70-#5 Bar terminators)



BAR a2(E)



BAR s10(E)



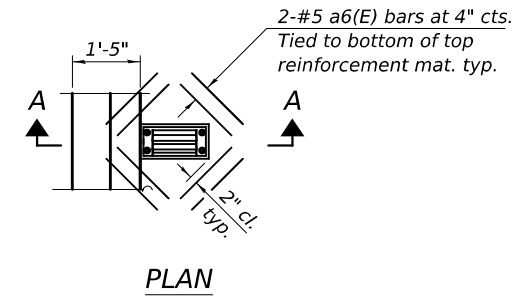
BAR s11(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	306	#5	34'-6"	—
a1(E)	185	#5	32'-10"	—
a2(E)	702	#6	8'-4"	—
a3(E)	53	#5	36'-10"	—
a4(E)	31	#5	35'-3"	—
a5(E)	4	#5	45'-1"	—
a6(E)	32	#5	1'-6"	—
b(E)	190	#5	39'-5"	—
b1(E)	62	#6	38'-6"	—
b2(E)	204	#5	33'-6"	—
d(E)	548	#5	6'-5"	—
d1(E)	548	#5	8'-3"	—
e(E)	72	#4	14'-6"	—
e1(E)	80	#4	8'-10"	—
e2(E)	36	#4	18'-7"	—
e3(E)	32	#4	23'-1"	—
e4(E)	16	#4	29'-3"	—
m10(E)	8	#6	45'-1"	—
m11(E)	24	#6	9'-0"	—
m12(E)	12	#6	3'-5"	—
s10(E)	68	#5	7'-8"	—
s11(E)	68	#5	10'-7"	—
v100(E)	70	#5	3'-1"	—
Reinforcement Bars, Epoxy Coated		Pound	61,320	
Concrete Superstructure		Cu. Yd.	249.6	

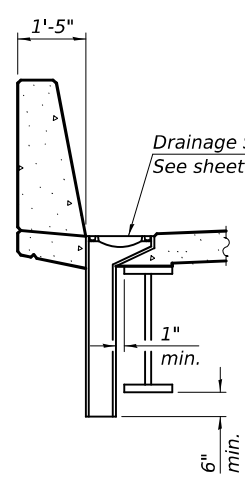
Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.

Notes:
The 3/16" min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
Bar terminators, paid for separately. See Total Bill of Material.
Exterior surfaces of downspouts and exterior surfaces of the scupper frame below deck shall be pigmented or painted to match the color of the adjacent beam.

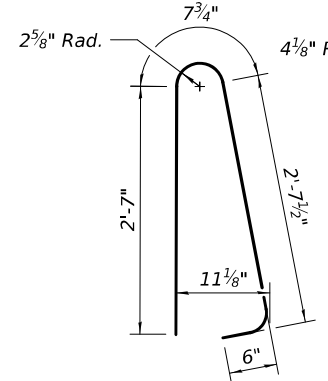


PLAN

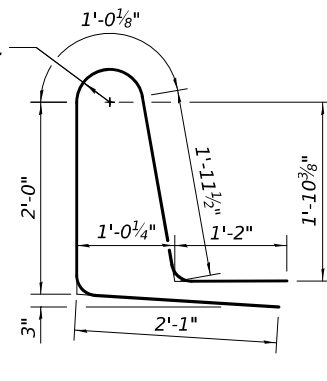
Note:
Cut longitudinal reinforcement to clear drainage scuppers.



SECTION A-A



BAR d(E)



BAR d1(E)

MODEL: 74653-09
FILE NAME: I:\Projects\015-0081\ICADD\Drawings\015-0081-base.sheets

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

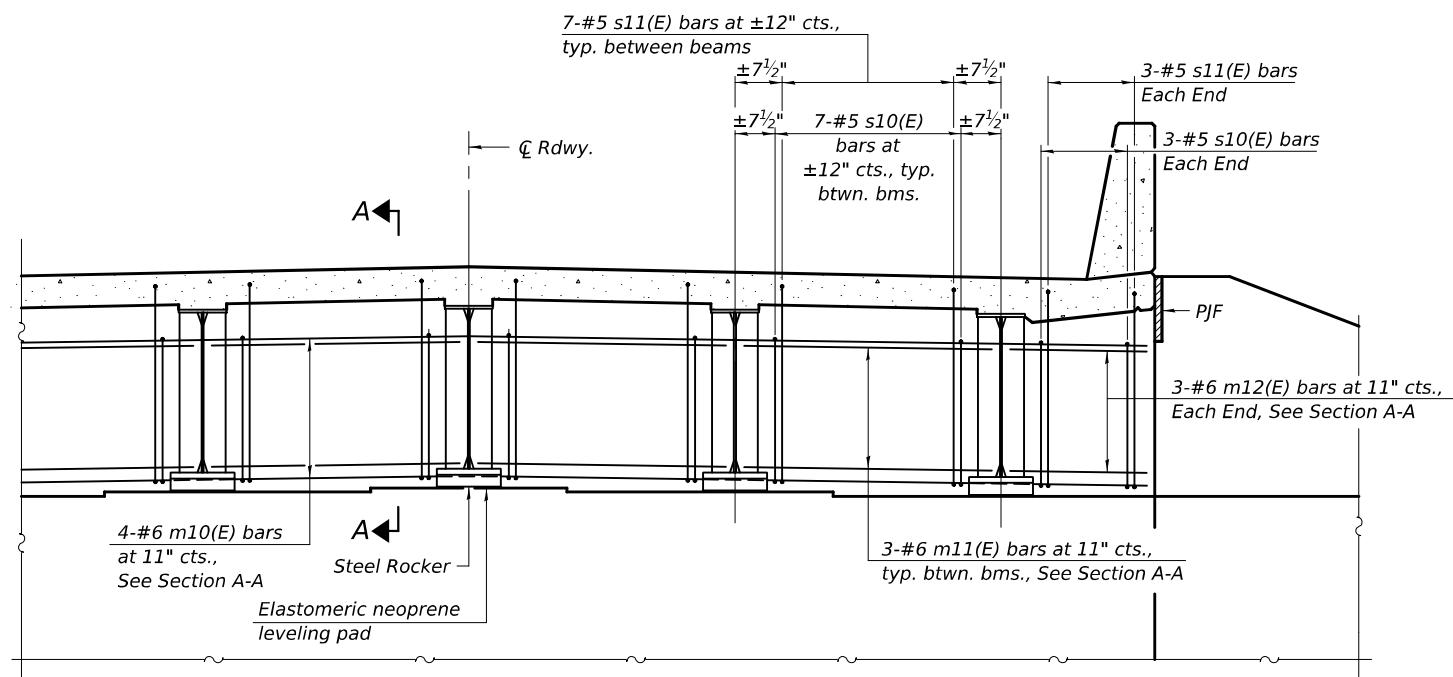
EXAMINED	<i>Mark Shelton</i> ENGINEER OF BRIDGE DESIGN	DATE	JANUARY 28, 2026
PASSED	<i>Justin W. Mann</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	—
		REVISED -	—

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

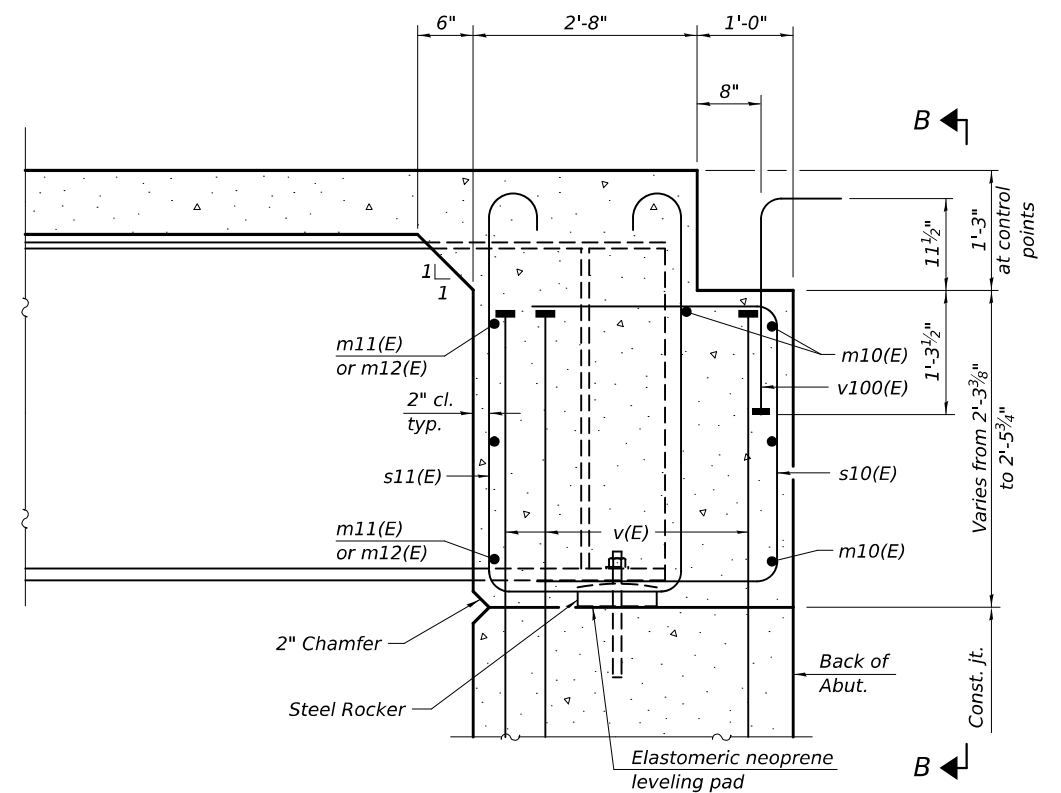
**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 015-0081**

SHEET 9 OF 26 SHEETS

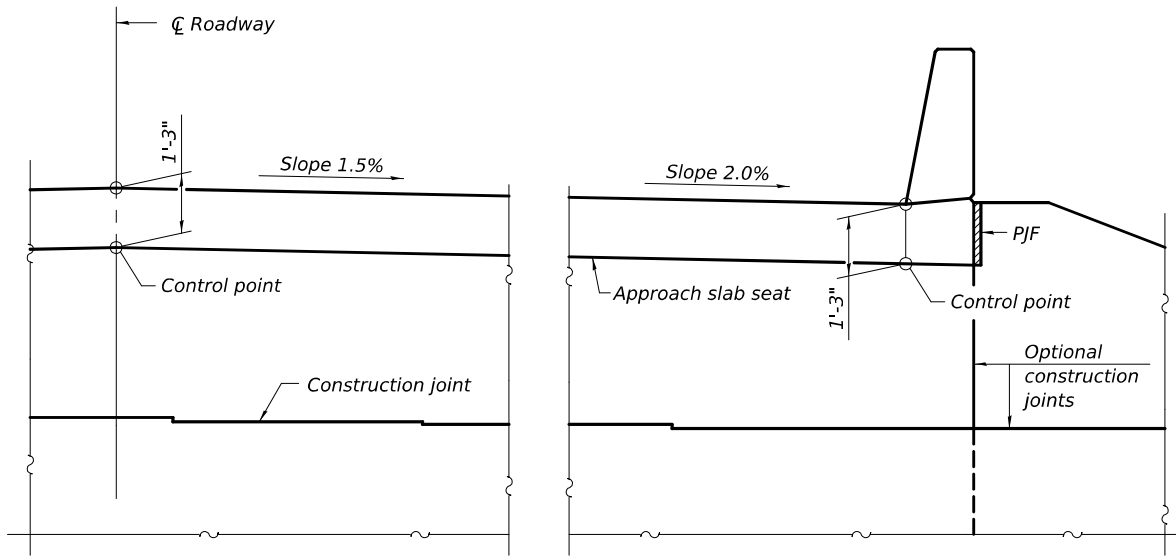
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	19
CONTRACT NO. 74653			ILLINOIS FED. AID PROJECT	



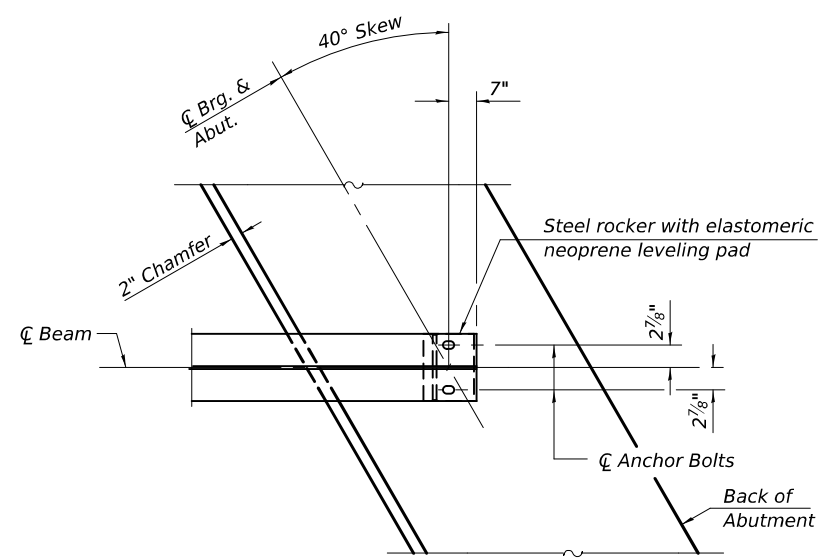
DIAPHRAGM AT ABUTMENT



**SECTION A-A
(at Rt. L's)**



VIEW B-B



**PLAN AT ABUTMENT
(Showing bottom flange of beam)**

Notes:
 See sheet 9 of 26 for superstructure details and Bill of Material.
 See sheet 12 of 26 for P.J.F. details.
 The s10(E) and s11(E) bars shall be placed parallel to the beams.
 Spacing for these bars shall be at right angles to the beams.
 The approach slab seat shall have a constant slope determined from the control points shown.

MODEL: 74653-010
 FILE NAME: I:\projects\2025\015-0081\ICADD\Drawings\Bridges\015-0081-BaseSheets

DIA-SB-R 4-4-2025

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

EXAMINED	<i>Mark Shelton</i> ENGINEER OF BRIDGE DESIGN	DATE	JANUARY 28, 2026
PASSED	<i>Justin W. Mann</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	---
		REVISED -	---

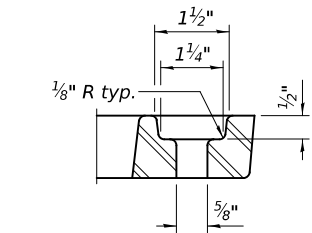
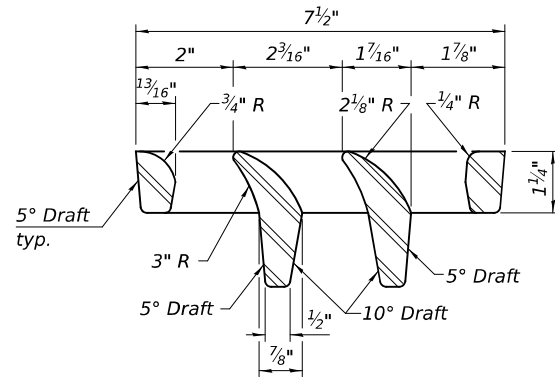
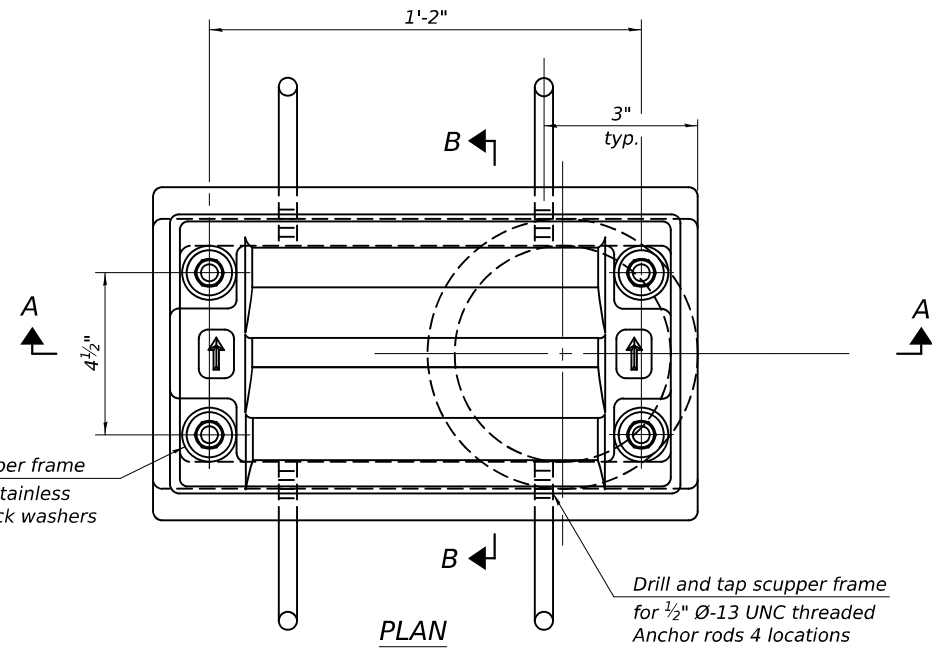
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIAPHRAGM DETAILS
STRUCTURE NO. 015-0081**

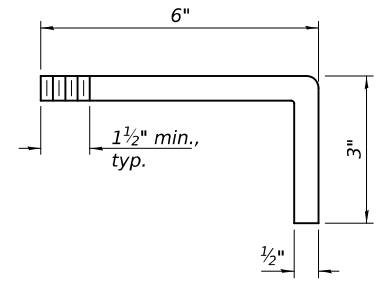
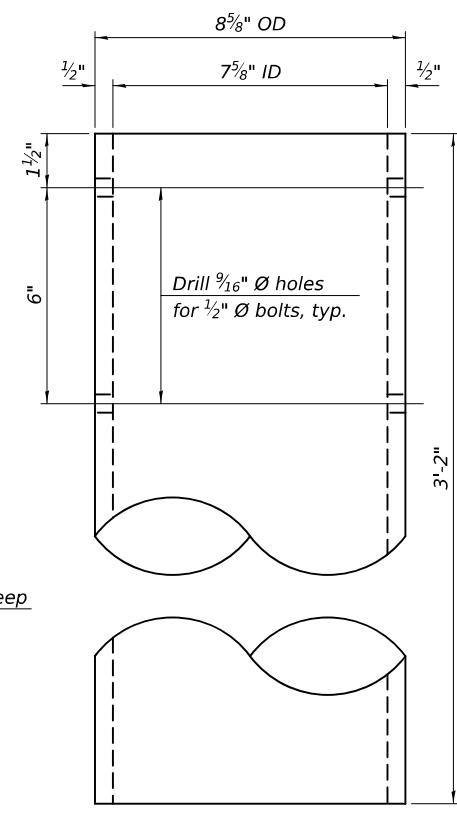
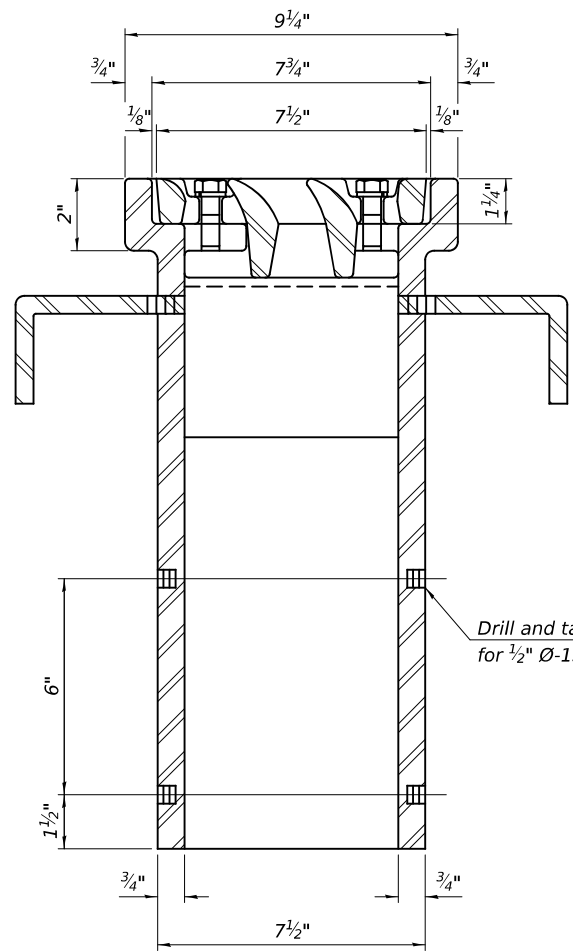
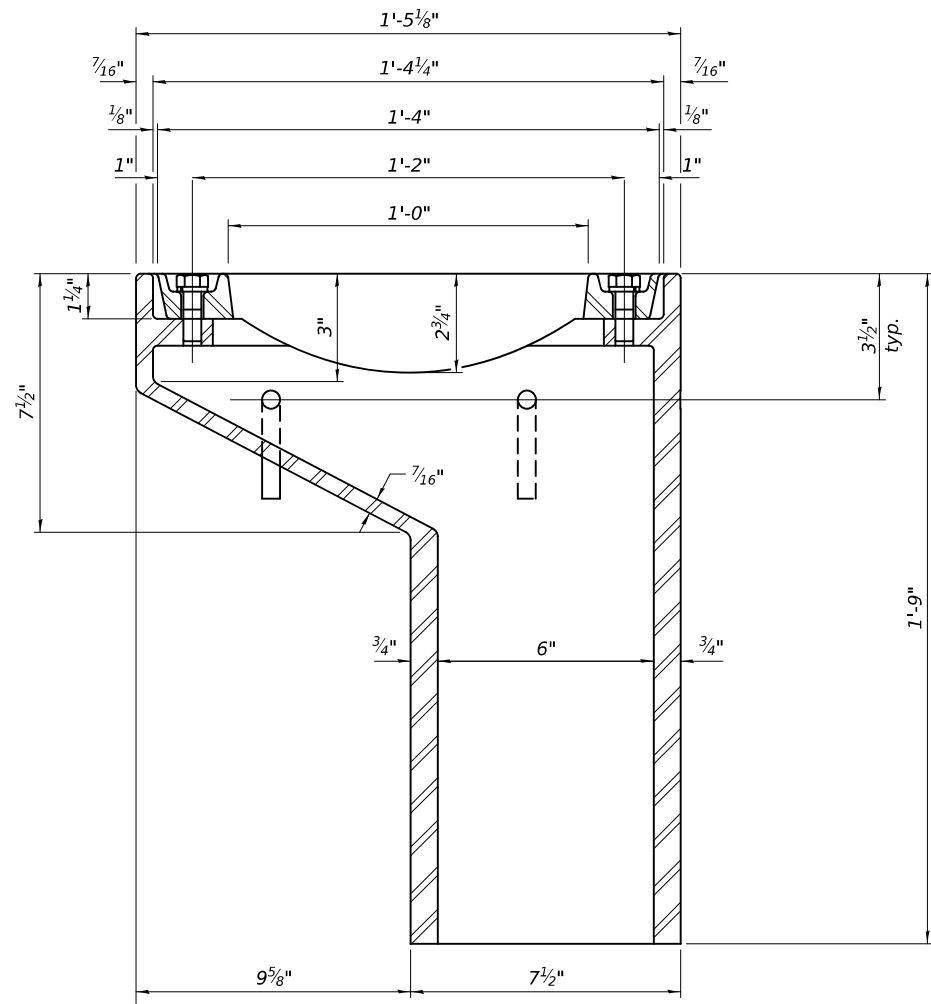
SHEET 10 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	20
CONTRACT NO. 74653				

ILLINOIS FED. AID PROJECT



Notes:
 All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 35B and AASHTO M306.
 Bolts, anchor rods, nuts and washers shall be according to ASTM A307 and shall be galvanized according to AASHTO M232. As an alternate stainless steel may be used.
 Stainless steel hardware shall be according to Article 1006.29(d) of the Standard Specifications.
 Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frames and downspouts; however, the scupper grates shall remain cast iron. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval.
 Structural steel scupper frames and downspouts, when utilized, shall be galvanized according to AASHTO M111.
 As an alternate, fiberglass may be used for downspouts according to ASTM D2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. in lieu of the cast iron or structural steel.
 Exterior surfaces of downspouts and exterior exposed surfaces of the scupper frame below deck shall be treated as specified on sheet 9 of 26.
 The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.
 Cost of the grate, frame, downspout, anchor rods, nuts and washers including complete installation of the scupper shall be paid for at the contract unit price for Drainage Scuppers, DS-11.



BILL OF MATERIAL

Item	Unit	Quantity
Drainage Scuppers, DS-11	Each	4

MODEL: 74653-011
 FILE NAME: I:\projects\2026\015-0081\CD\Drawings\Structures\CBM\Project\015-0081\CD\Drawings\Structures\CBM\Project\015-0081-BaseSheets

DS-11

4-4-2025

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

EXAMINED	<i>Mark Shelton</i> ENGINEER OF BRIDGE DESIGN	DATE	JANUARY 28, 2026
PASSED	<i>Justin W. Mann</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	---
		REVISED -	---

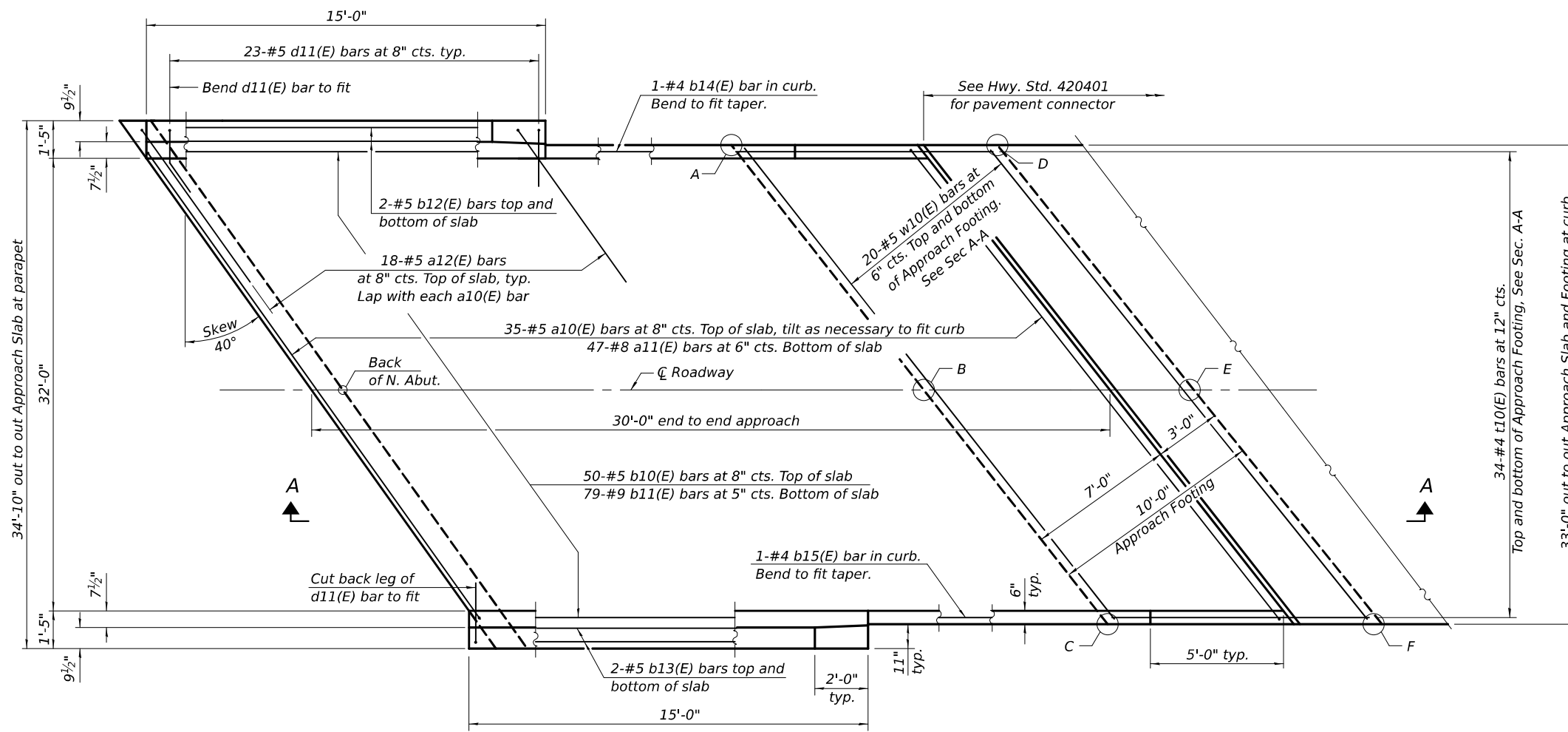
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SCUPPERS, DS-11
 STRUCTURE NO. 015-0081**

SHEET 11 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	21
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

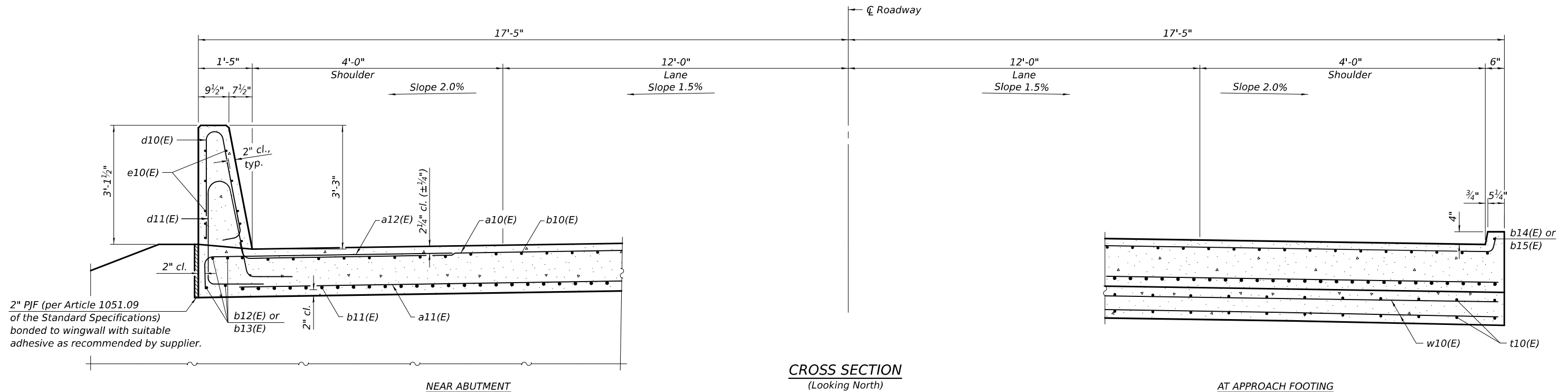
1/28/2026 3:49:24 PM



PLAN
(North approach slab shown; South approach slab similar by 180° rotation)

**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

South Approach			North Approach		
Point/Location	Top	Bottom	Point/Location	Top	Bottom
A - NE	656.83	656.00	A - SW	655.46	654.63
B - NCL	657.13	656.30	B - SCL	655.58	654.75
C - NW	656.88	656.05	C - SE	655.17	654.34
D - SE	656.86	656.03	D - NW	655.32	654.49
E - SCL	657.15	656.32	E - NCL	655.45	654.62
F - SW	656.89	656.06	F - NE	655.03	654.20



CROSS SECTION
(Looking North)

AT APPROACH FOOTING

BAIA-CIP-39CS-R(>30°)

4-4-2025

(Sheet 1 of 2)

DESIGNED - TIFFANY L. ADAMS
 CHECKED - ANDREW M. DIORIO
 DRAWN - GLENN W. STOVER
 CHECKED - T.L.A. / A.M.D. / R.P.N.

EXAMINED
 PASSED
 Mark Shuffin
 ENGINEER OF BRIDGE DESIGN
 Justin W. Mann
 ENGINEER OF BRIDGES AND STRUCTURES

DATE JANUARY 28, 2026
 REVISED -
 REVISED -

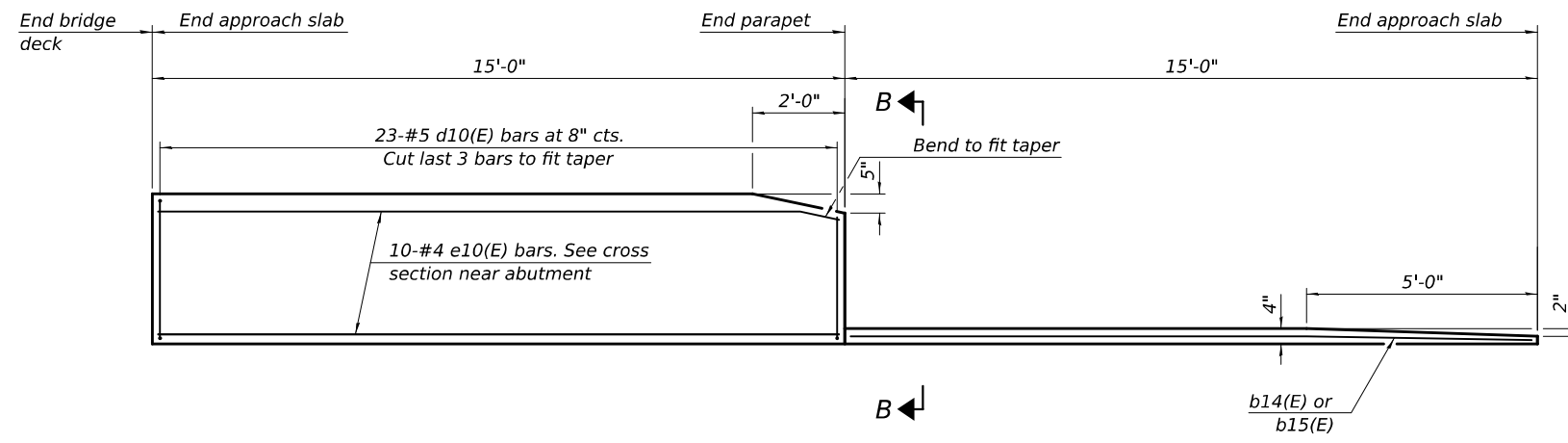
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 015-0081

SHEET 12 OF 26 SHEETS

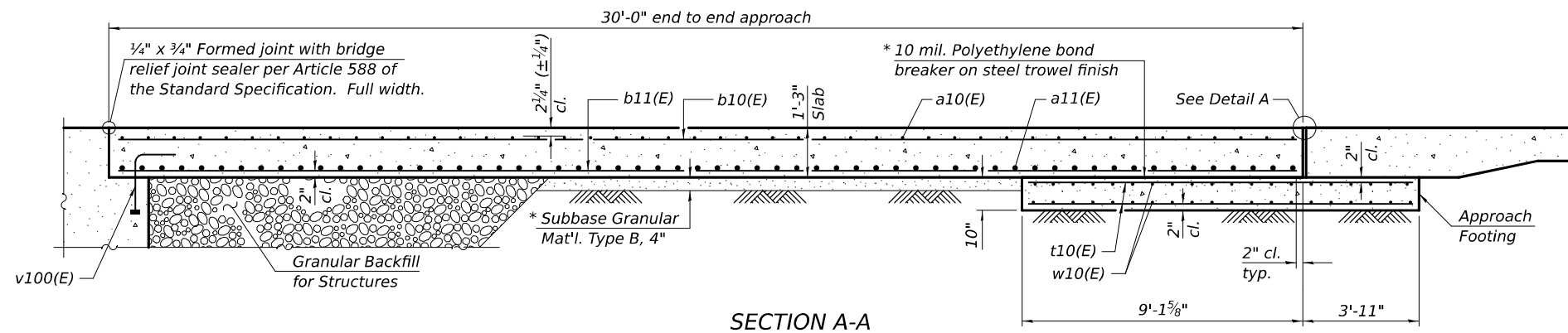
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	22
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

MODEL: 74653-017
 FILE NAME: I:\projects\p0150081\CADDData\Bridg015-0081-base.sheets

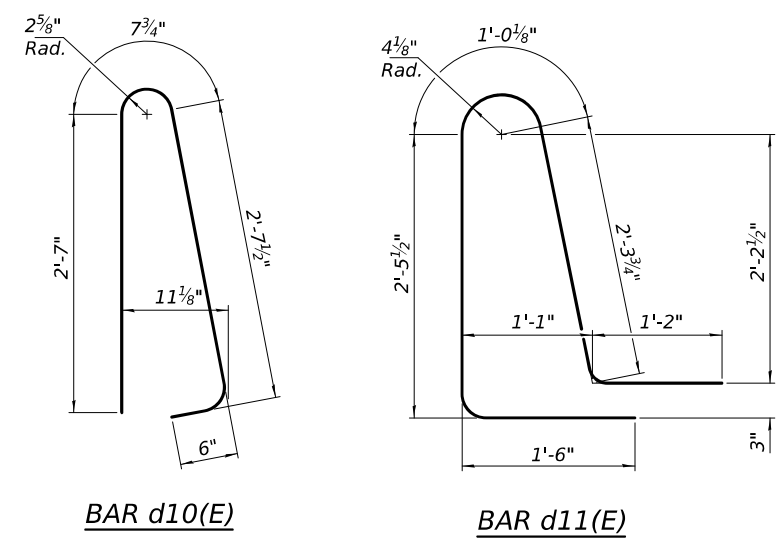


INSIDE ELEVATION OF PARAPET AND CURB

Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 26.

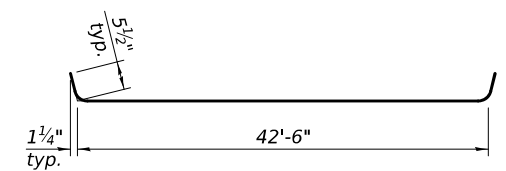


SECTION A-A

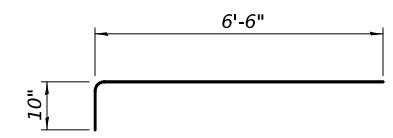


BAR d10(E)

BAR d11(E)



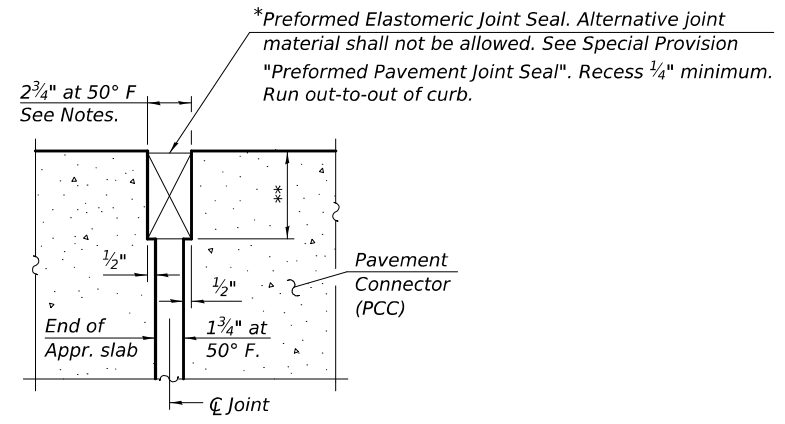
BAR a10(E)



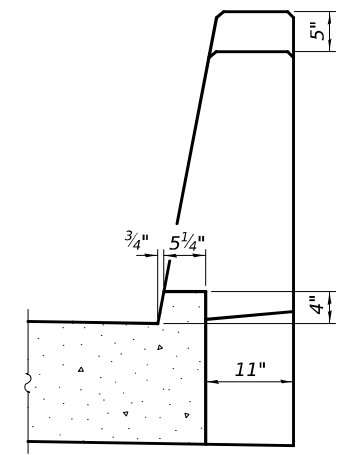
BAR a12(E)

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	70	#5	43'-5"	—
a11(E)	94	#8	42'-8"	—
a12(E)	72	#5	7'-4"	—
b10(E)	100	#5	29'-8"	—
b11(E)	158	#9	29'-8"	—
b12(E)	8	#5	15'-8"	—
b13(E)	8	#5	14'-1"	—
b14(E)	2	#4	14'-5"	—
b15(E)	2	#4	14'-10"	—
d10(E)	92	#5	6'-5"	—
d11(E)	92	#5	8'-6"	—
e10(E)	40	#4	14'-8"	—
t10(E)	136	#4	12'-8"	—
w10(E)	80	#5	42'-8"	—
Concrete Superstructure			Cu. Yd.	7.8
Concrete Superstructure (Approach Slab)			Cu. Yd.	95.6
Concrete Structures			Cu. Yd.	26.6
Reinforcement Bars, Epoxy Coated			Pound	40,280



**DETAIL A
(at Rt. L's)**



VIEW B-B

* Cost included with Concrete Superstructure (Approach Slab).
 ** Per manufacturer recommendations

MODEL: 74653-013
 FILE NAME: I:\projects\015-0081\ICADD\Drawings\Bridges and Structures\CBM\Project\015-0081\ICADD\Drawings\Bridges and Structures\015-0081-base.sheets

DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffin</i>	DATE - JANUARY 28, 2026
CHECKED - ANDREW M. DIORIO	PASSED - <i>Justin W. Mann</i>	REVISER -
DRAWN - GLENN W. STOVER		REVISER -
CHECKED - T.L.A. / A.M.D. / R.P.N.		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 015-0081**

(Sheet 2 of 2)

SHEET 13 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	23
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

INTERIOR BEAM MOMENT TABLE				
		0.4 Sp. 1 or 0.6 Sp. 3	Pier 1 or 2	0.5 Sp. 2
I_s	(in ⁴)	7,450	7,450	7,450
$I_c(n)$	(in ⁴)	20,933	20,933	20,933
$I_c(3n)$	(in ⁴)	15,698	15,698	15,698
$I_c(cr)$	(in ⁴)	-	10,180	-
S_s	(in ³)	448	448	448
$S_c(n)$	(in ³)	667	667	667
$S_c(3n)$	(in ³)	608	608	608
$S_c(cr)$	(in ³)	-	514	-
S_x	(in ³)	642	-	624
DC1	(k/ft)	0.926	0.926	0.926
M _{DC1}	(k)	146.1	396.7	253.7
DC2	(k/ft)	0.210	0.210	0.210
M _{DC2}	(k)	33.2	90.1	57.6
DW	(k/ft)	0.363	0.363	0.363
M _{DW}	(k)	57.3	155.7	99.6
LLDF		0.579	0.558	0.536
M _{ℓ + IM}	(k)	527.6	564.1	591.4
f _t (Strength I)	(ksi)	0	0	0
M _u + 1/2 f _t S _x	(k)	1,233.4	-	1,573.5
Φ _f M _n	(k)	3,480	-	3,382
f _s DC1	(ksi)	3.91	10.63	6.80
f _s DC2	(ksi)	0.66	1.78	1.14
f _s DW	(ksi)	1.13	3.07	1.97
f _s (ℓ+IM)	(ksi)	9.49	10.15	10.64
f _t (Service II)	(ksi)	0	0	0
f _s + 1/2 (Service II)	(ksi)	18.05	28.69	23.75
Service II Resistance	(ksi)	47.50	47.50	47.50
f _s + 1/3 (Strength I)	(ksi)	-	44.43	-
Φ _f F _n	(ksi)	-	50.00	-
V _f	(k)	30.3	29.0	21.8

BEAM REACTION TABLE		
	Abut.	Pier
LLDF	0.761	0.761
OCF	1.197	-
R _{DC1}	(k) 16.7	66.5
R _{DC2}	(k) 3.8	15.1
R _{DW}	(k) 6.5	26.1
R _ℓ	(k) 65.7	89.8
R _{im}	(k) 17.1	17.5
R _{Total} (Strength I) (Impact)	(k) 180.3	328.9
R _{Total} (Strength I) (No Impact)	(k) 150.4	298.3



- I_s, S_s : Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).
- $I_c(n), S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.⁴ and in.³).
- $I_c(3n), S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.⁴ and in.³).
- $I_c(cr), S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).
- S_x : Section modulus about the major axis of a section to the controlling flange, tension or compression, taken as yield moment with respect to the controlling flange over the yield strength of the controlling flange (in.³).
- DC1: Un-factored non-composite dead load (kips/ft.).
- M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- LLDF: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.
- M_{ℓ + IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- M_u: Strength I load combination of factored design moments (kip-ft.).
1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_{ℓ + IM}
- f_t: Factored calculated flange lateral bending stress as calculated using Article 6.10.1.6 and as further simplified by IDOT provisions (ksi).
- Φ_f M_n: Factored nominal flexural resistance of the section determined as specified in Article 6.10.7.1 or A6 as applicable (kip-ft.).

- f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
M_{DC1} / S_s
- f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
M_{DC2} / S_c (3n) or M_{DC2} / S_c (cr) as applicable.
- f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
M_{DW} / S_c (3n) or M_{DW} / S_c (cr) as applicable.
- f_s (ℓ + IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
M_{ℓ + IM} / S_c (n) or M_{ℓ + IM} / S_c (cr) as applicable.
- f_s + f_t / 2 (Service II): Sum of stresses as computed below (ksi).
f_s DC1 + f_s DC2 + f_s DW + 1.3 f_s (ℓ + IM) + f_t / 2
- Service II Resistance: Composite (0.95R_tF_{yI}) or noncomposite (0.80R_tF_{yI}) stress capacity according to Article 6.10.4.2 (ksi).
- f_s + f_t / 3 (Strength I): Sum of stresses as computed below on non-compact sections (ksi).
1.25 (f_s DC1 + f_s DC2) + 1.5 f_s DW + 1.75 f_s (ℓ + IM) + f_t / 3
- Φ_f F_n: Factored nominal flexural resistance of the section as specified in Article 6.10.7.2 or 6.10.8 as applicable (ksi).
- V_f: Maximum factored shear range in span computed according to Article 6.10.10.
- OCF: Obtuse Correction Factor according to Article 4.6.2.2.3c or as further simplified by IDOT provisions.
- R_{DC1}: Un-factored reaction due to non-composite dead load (kip).
- R_{DC2}: Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).
- R_{DW}: Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).
- R_ℓ: Un-factored live load reaction (kip).
- R_{im}: Un-factored dynamic load allowance (impact) (kip).
- R_{Total} (Strength I) (Impact): Strength I load combination of factored design reactions (kip).
1.25 (R_{DC1} + R_{DC2}) + 1.5R_{DW} + 1.75 (R_ℓ + R_{im})
- R_{Total} (Strength I) (No Impact): Strength I load combination of factored design reactions, not including dynamic load allowance (Impact) (kip).
1.25 (R_{DC1} + R_{DC2}) + 1.5R_{DW} + 1.75 (R_ℓ)

Note:
M_ℓ and R_ℓ include the effects of centrifugal force and superelevation.

MODEL: 74653-016
FILE NAME: I:\projects\p0150081\CADD\Drawings\Bridges and Structures\CBM Project\0150081\CADD\Drawings\Bridges and Structures\CBM Project\0150081-01\Interior Design.dgn
1/28/2026 4:03:31 PM

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

EXAMINED	 ENGINEER OF BRIDGE DESIGN
PASSED	 ENGINEER OF BRIDGES AND STRUCTURES

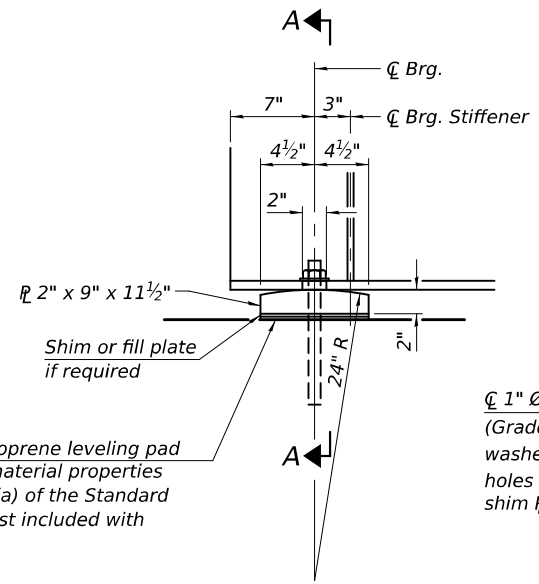
DATE	JANUARY 28, 2026
REVISED -	---
REVISED -	---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

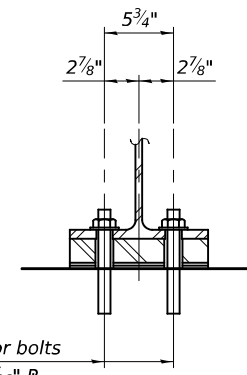
STRUCTURAL STEEL DETAILS
STRUCTURE NO. 015-0081

SHEET 16 OF 26 SHEETS

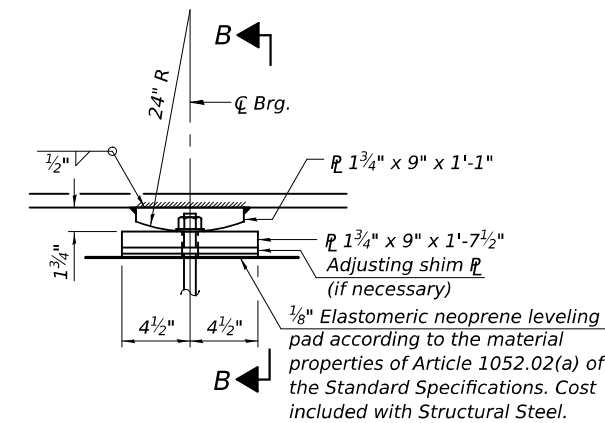
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	26
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



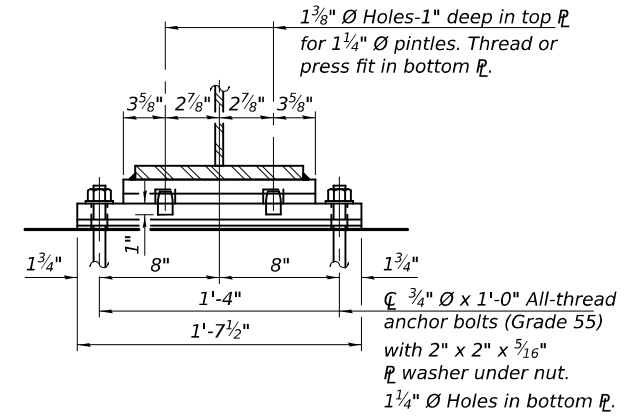
ELEVATION AT ABUTMENT



SECTION A-A



ELEVATION AT PIER



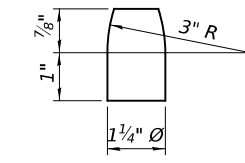
SECTION B-B

1" \varnothing x 1'-0" All-thread anchor bolts (Grade 55) with 2 1/4" x 2 1/4" x 5/16" \varnothing washers under nuts. 1 3/8" x 2" slotted holes in flange. 1 1/2" \varnothing Holes in bearing \varnothing , shim \varnothing , and leveling pad.

1/8" Elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

FIXED BEARING
(10 required)

FIXED BEARING
(10 required)



PINTLE

Notes:
Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
The structural steel plates and pintles of the Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50.
Two 3/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
All bearing plates, anchor bolts, shim plates, fill plates, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 3/4"	Each	20
Anchor Bolts, 1"	Each	20

FILL PLATE THICKNESS TABLE

Location	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5
S. Abut	-	-	-	-	-
Pier 1	-	-	-	-	-
Pier 2	-	-	5/8"	-	-
N. Abut	-	5/8"	1 1/8"	-	-

MODEL: 74653-017
FILE NAME: I:\projects\p0150081\CADD\Drawings\Bridges and Structures\CBM Project\0150081\CADD\Drawings\Bridges and Structures\0150081-Original Details.dgn

DESIGNED - TIFFANY L. ADAMS
CHECKED - ANDREW M. DIORIO
DRAWN - GLENN W. STOVER
CHECKED - T.L.A. / A.M.D. / R.P.N.

EXAMINED
Mark Stoffer
ENGINEER OF BRIDGE DESIGN
PASSED
Glenn W. Stover
ENGINEER OF BRIDGES AND STRUCTURES

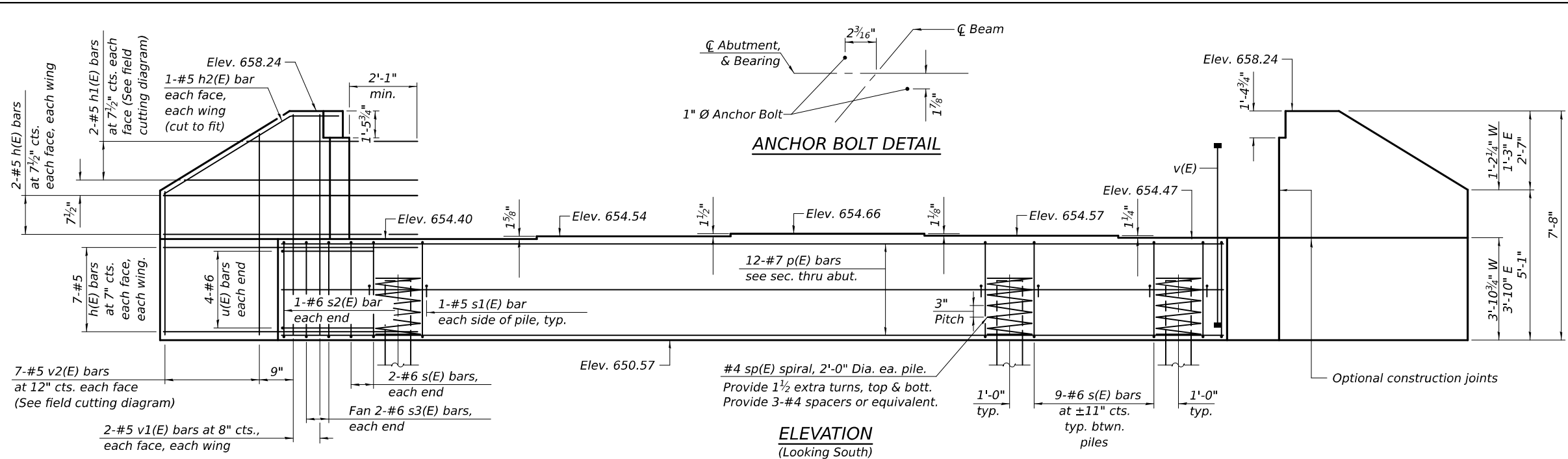
DATE JANUARY 28, 2026
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 015-0081

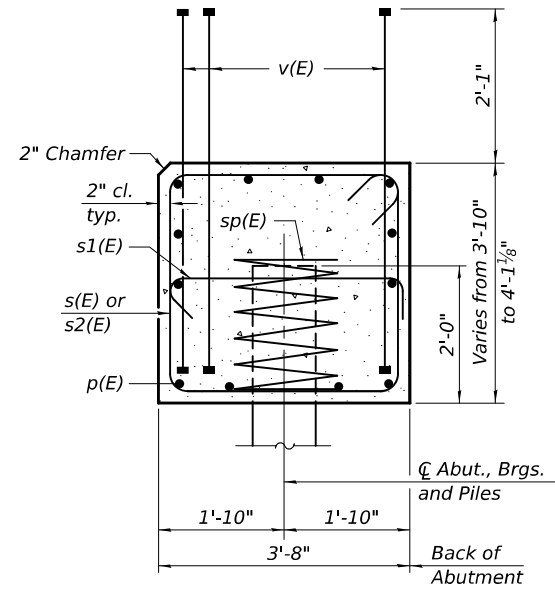
SHEET 17 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	27
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



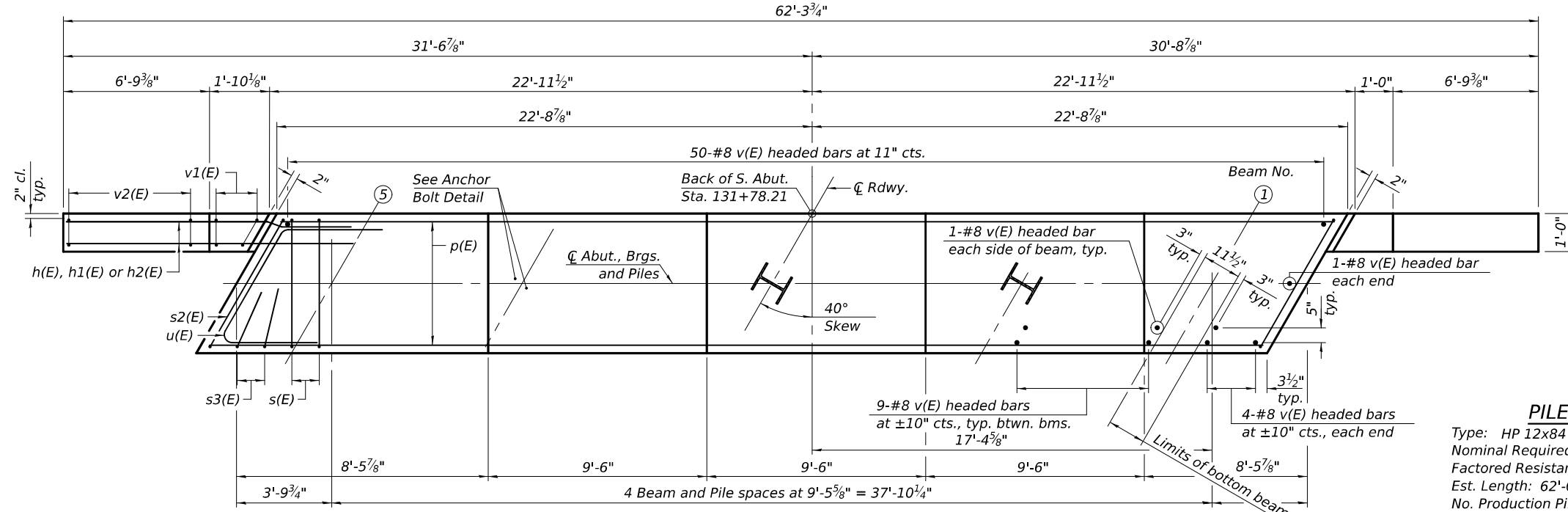
ANCHOR BOLT DETAIL

ELEVATION
(Looking South)



SEC. THRU ABUT.

Dimensions at right angles to abutment.



PLAN

PILE DATA

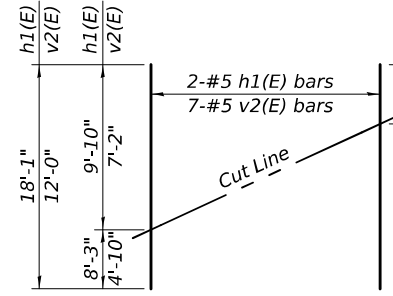
Type: HP 12x84
 Nominal Required Bearing: 664 kips
 Factored Resistance Available: 365 kips
 Est. Length: 62'-0"
 No. Production Piles: 4
 No. Test Piles: 1

SOUTH ABUTMENT
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	36	#5	10'-8"	—
h1(E)	4	#5	18'-1"	—
h2(E)	4	#5	8'-6"	—
p(E)	12	#7	45'-1"	—
s(E)	40	#6	15'-0"	□
s1(E)	10	#5	4'-4"	□
s2(E)	2	#6	17'-0"	□
s3(E)	4	#6	8'-2"	□
sp(E)	5	#4	2'-0"	WWW
u(E)	8	#6	10'-8"	—
v(E)	106	#8	5'-7"	—
v1(E)	8	#5	7'-4"	—
v2(E)	14	#5	12'-0"	—

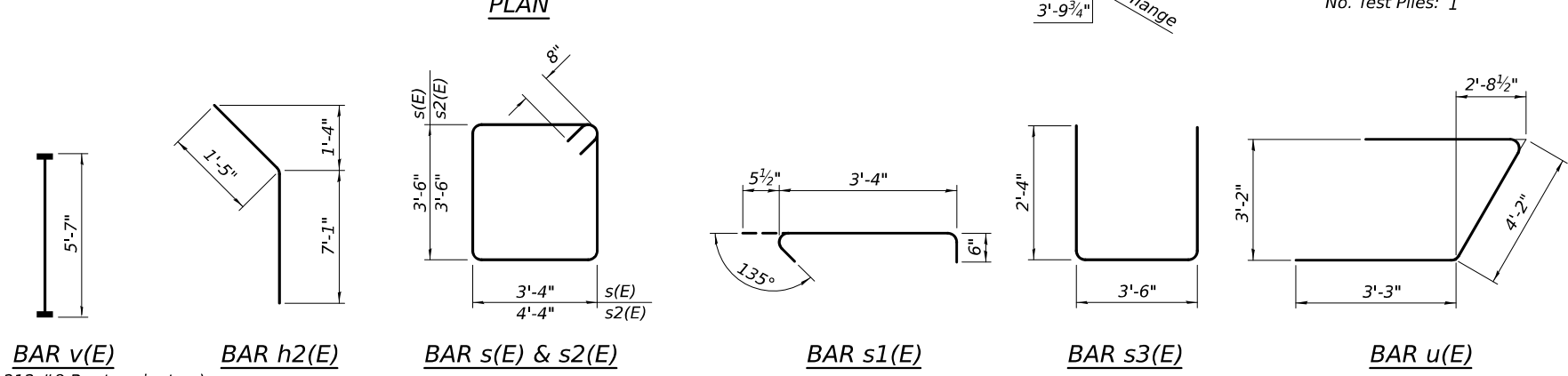
Structure Excavation	Cu. Yd.	113
Concrete Structures	Cu. Yd.	28.5
Reinforcement Bars, Epoxy Coated	Pound	4,830
Furnishing Steel Piles HP 12x84	Foot	248
Driving Piles	Foot	248
Test Pile Steel HP 12x84	Each	1

* Length is height of spiral.



FIELD CUTTING DIAGRAM

Order h1(E) and v2(E) bars full length. Cut as shown and use remainder of bars in opposite wing.



Notes:

Pour steps monolithically with cap.
 For details of piles, see sheet 23 of 26.
 Bar terminators, paid for separately.
 See Total Bill of Material.
 Space reinforcement in cap to miss anchor bolts.

MODEL: 74653-010
 FILE NAME: P:\Bids\p15\015\0081\CAD\Drawings\Bridges and Structures\CBM Project\0150081\CADD\Drawings\Bridges and Structures\Original Design.dgn
 1/28/2026 4:03:31 PM

AI-SBS-R 4-4-2025

DESIGNED	-	TIFFANY L. ADAMS
CHECKED	-	ANDREW M. DIORIO
DRAWN	-	GLENN W. STOVER
CHECKED	-	T.L.A. / A.M.D. / R.P.N.

EXAMINED		DATE	JANUARY 28, 2026
PASSED		REVISOR	
		REVISION	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

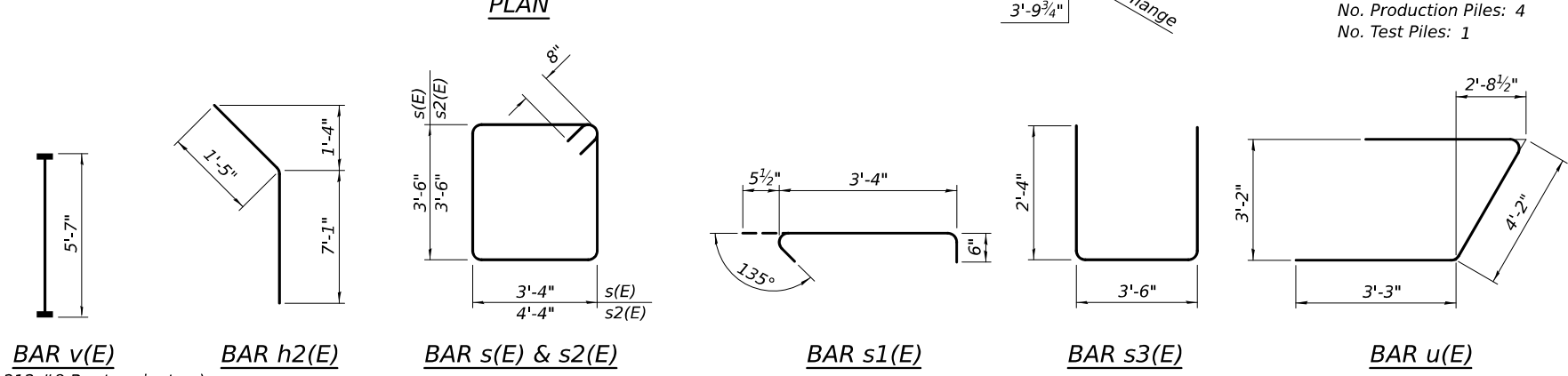
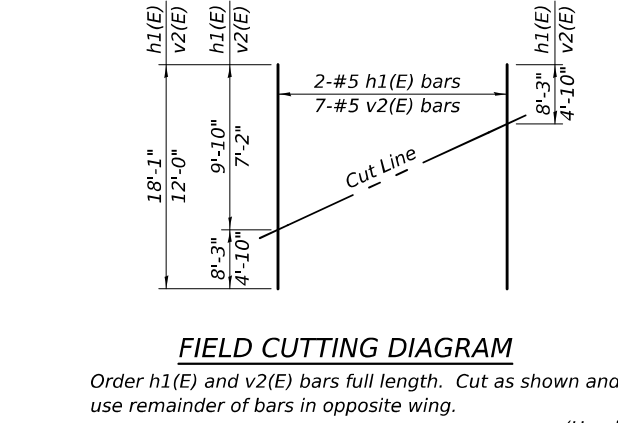
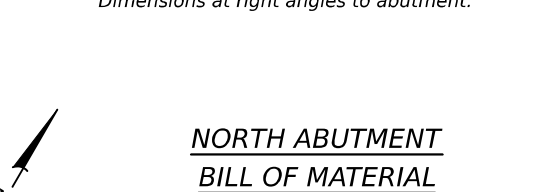
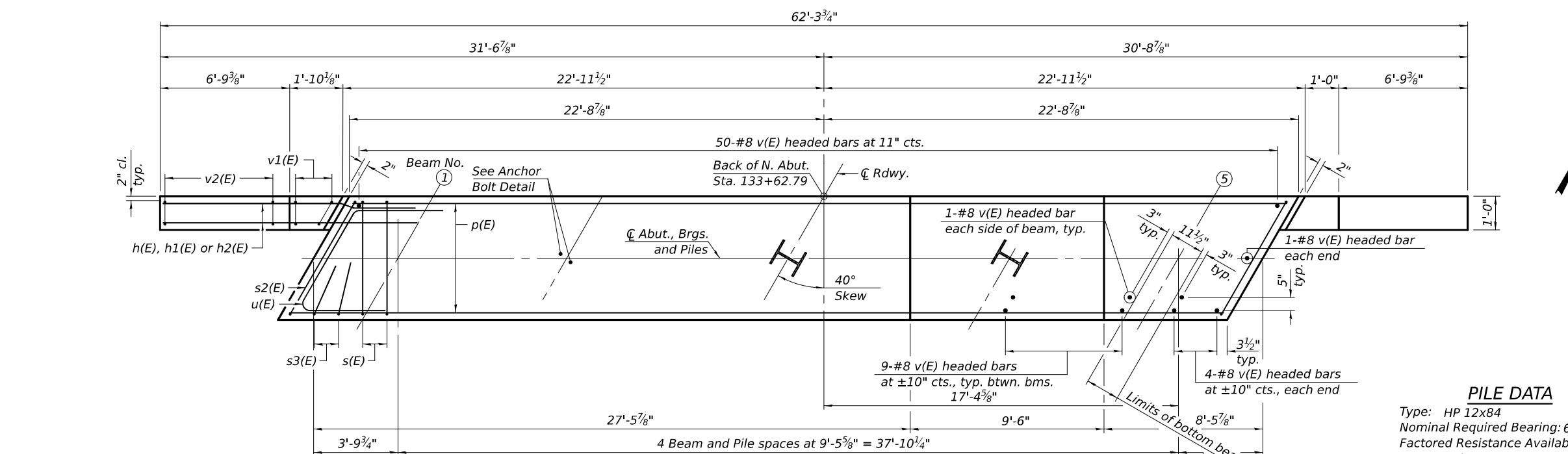
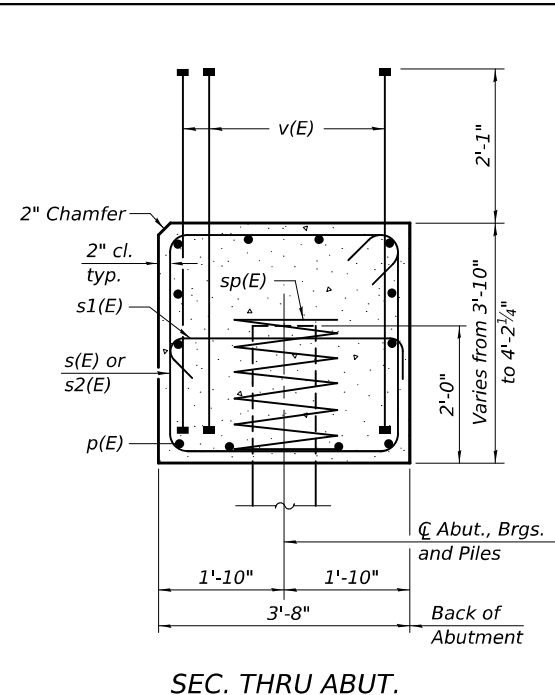
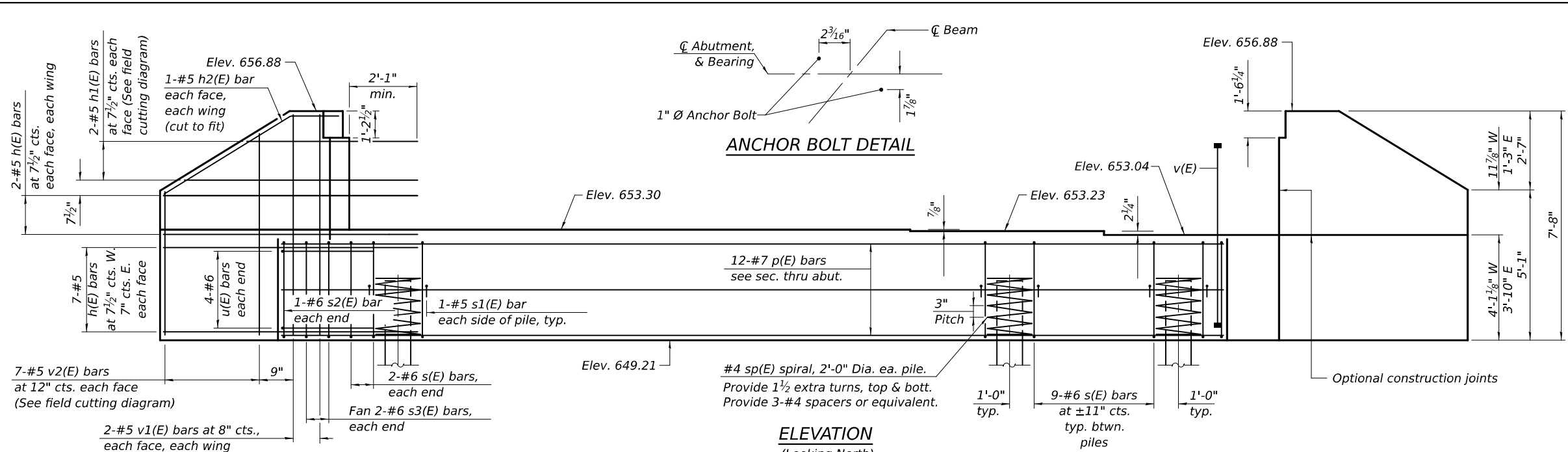
SOUTH ABUTMENT
STRUCTURE NO. 015-0081

SHEET 18 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	28

CONTRACT NO. 74653
ILLINOIS FED. AID PROJECT

MODEL: 74653-010
 FILE NAME: I:\projects\2025\015-0081\CAD\Drawings\Bridges\0150081-Original\Drawings.dgn
 1/28/2026 4:03:32 PM



PILE DATA
 Type: HP 12x84
 Nominal Required Bearing: 664 kips
 Factored Resistance Available: 365 kips
 Est. Length: 48'-0"
 No. Production Piles: 4
 No. Test Piles: 1

Notes:
 Pour steps monolithically with cap.
 For details of piles, see sheet 23 of 26.
 Bar terminators, paid for separately.
 See Total Bill of Material.
 Space reinforcement in cap to miss anchor bolts.

AI-SBS-R 4-4-2025

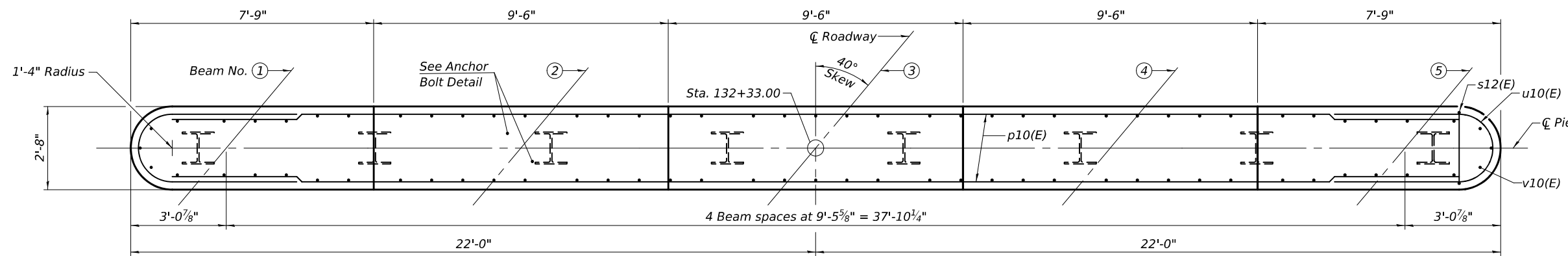
DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Miller</i>	DATE - JANUARY 28, 2026
CHECKED - ANDREW M. DIORIO	ENGINEER OF BRIDGE DESIGN	
DRAWN - GLENN W. STOVER	PASSED - <i>Glenn W. Stover</i>	REVISED -
CHECKED - T.L.A. / A.M.D. / R.P.N.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

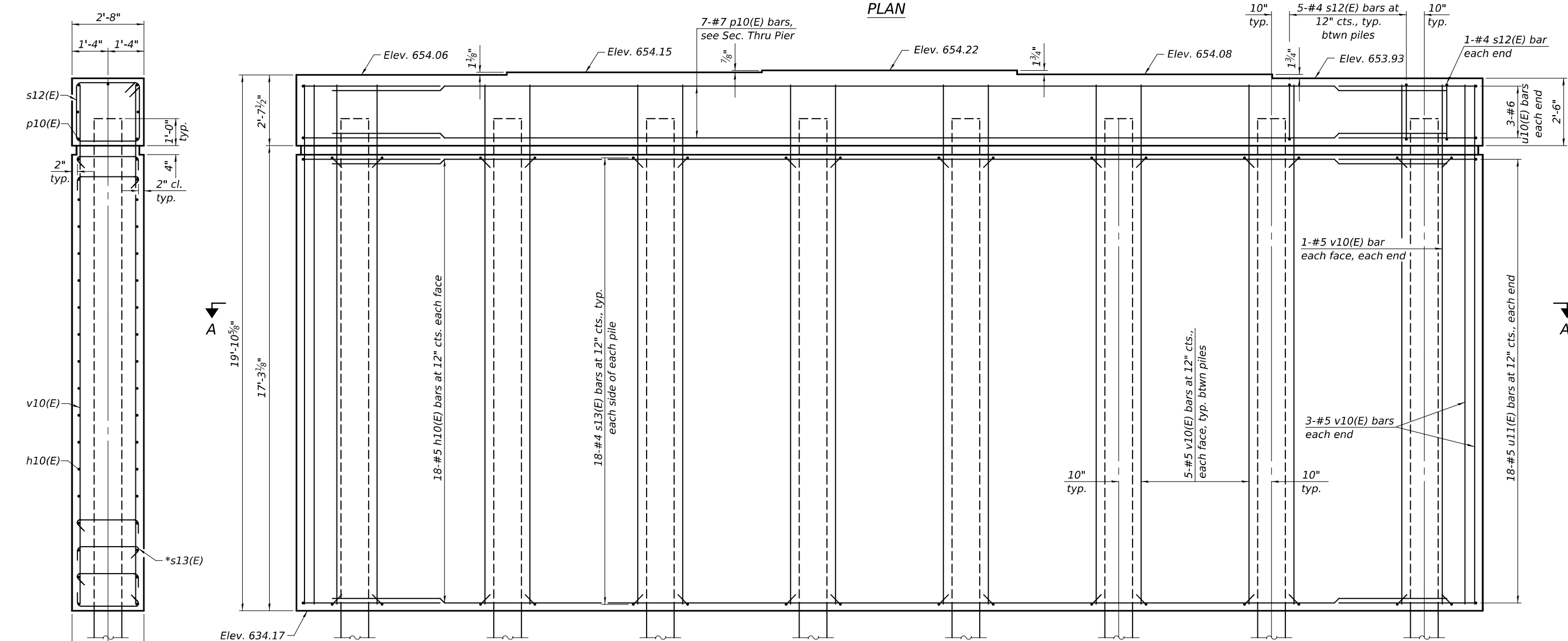
NORTH ABUTMENT
 STRUCTURE NO. 015-0081

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	29
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

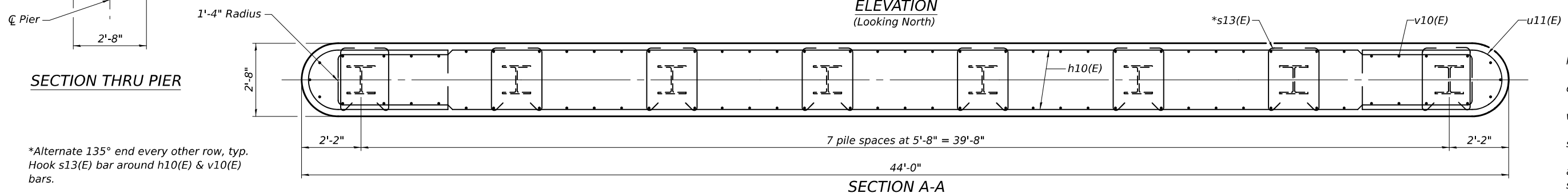
SHEET 19 OF 26 SHEETS



PLAN



ELEVATION
(Looking North)



SECTION A-A

SECTION THRU PIER

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
For details of piles, see sheet 23 of 26.
For additional pier details and Bill of Material, see sheet 22 of 26.

*Alternate 135° end every other row, typ.
Hook s13(E) bar around h10(E) & v10(E) bars.

MODEL: 74653-020
FILE NAME: p:\p\p\p\benley.com\PWIDOT\Documents\Bureau of Bridges and Structures\OBM Projects\0150081\CADData\Bridges\0150081-Original Design.dgn
1/28/2026 4:03:32 PM

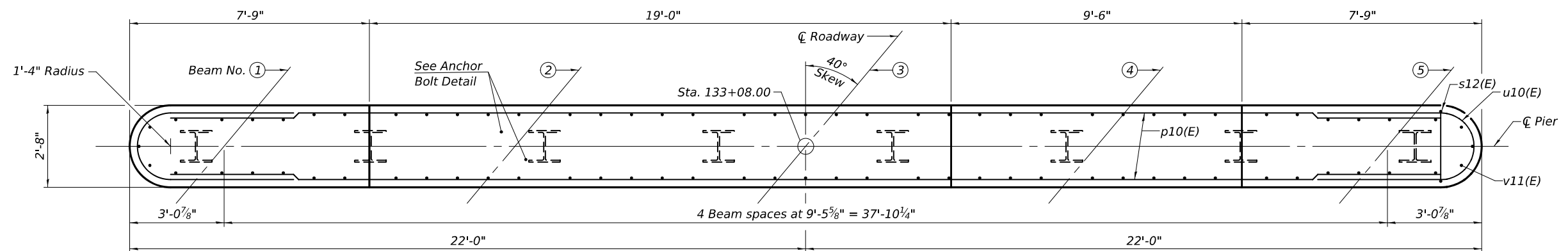
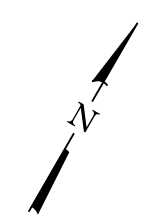
DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Stoffer</i> ENGINEER OF BRIDGE DESIGN	DATE - JANUARY 28, 2026
CHECKED - ANDREW M. DIORIO	PASSED - <i>Glenn W. Stover</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - GLENN W. STOVER		REVISED -
CHECKED - T.L.A. / A.M.D. / R.P.N.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

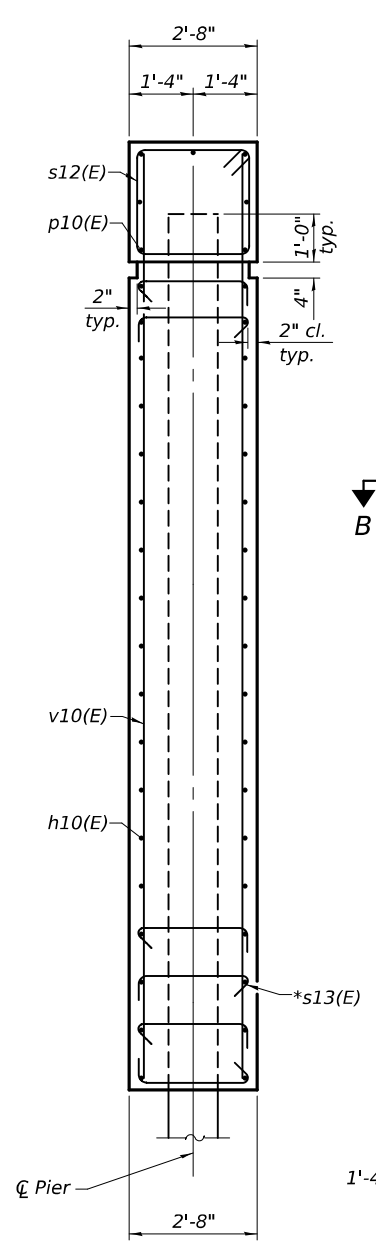
PIER 1
STRUCTURE NO. 015-0081

SHEET 20 OF 26 SHEETS

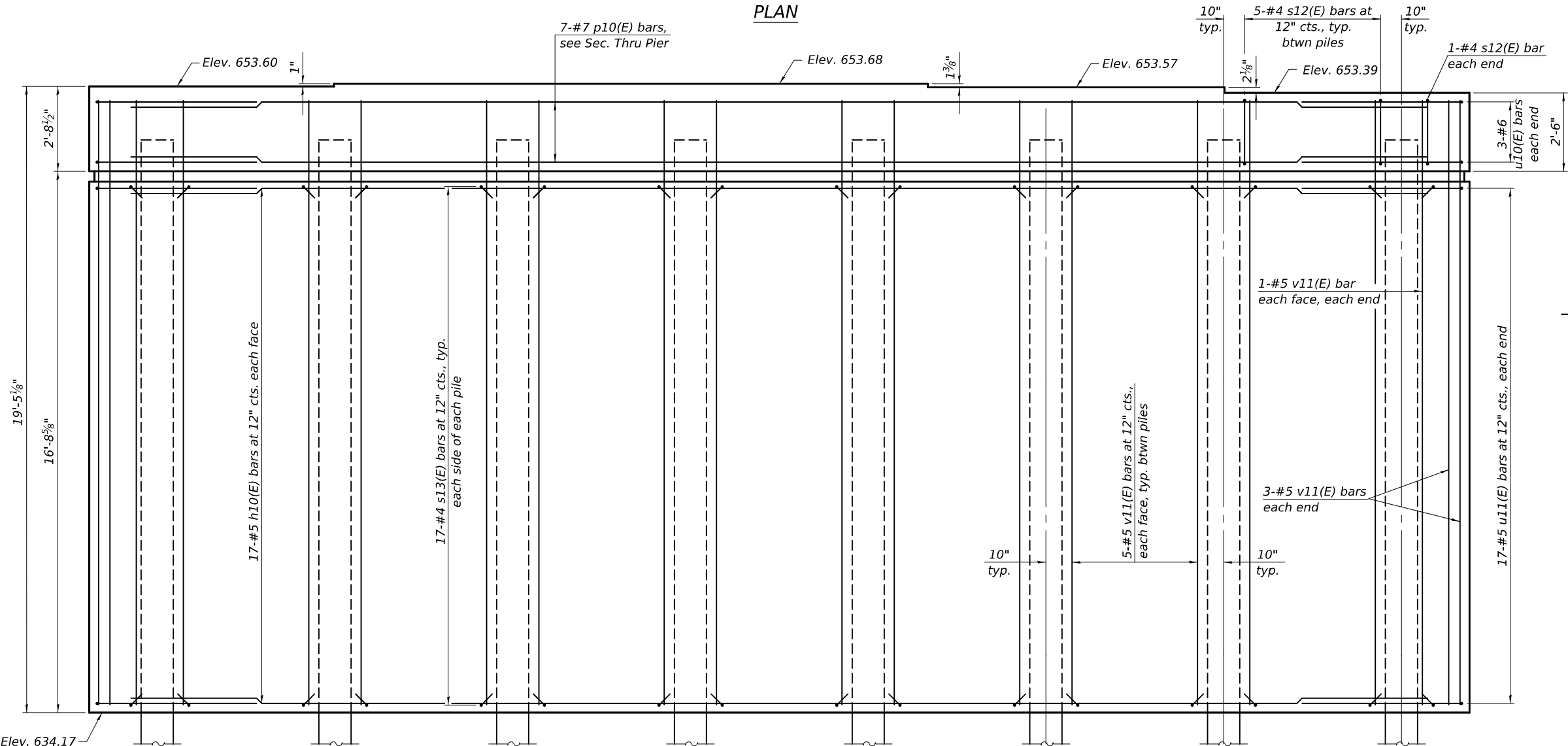
F.A.S. RTE. 674	SECTION (32Q-MFT)BR	COUNTY COLES	TOTAL SHEETS 46	SHEET NO. 30
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



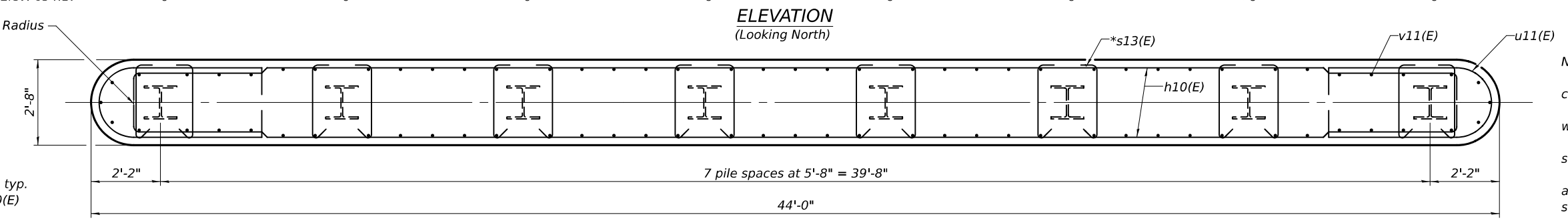
PLAN



SECTION THRU PIER



ELEVATION
(Looking North)



SECTION B-B

Notes:
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.
 For details of piles, see sheet 23 of 26.
 For additional pier details and Bill of Material, see sheet 22 of 26.

*Alternate 135° end every other row, typ.
 Hook s13(E) bar around h10(E) & v10(E) bars.

MODEL: 74653_01
 FILE NAME: I:\projects\2025\0150081\CAD\Drawings\Bridges and Structures\CBM\Project\0150081\CADD\Drawings\Bridges and Structures\Original\Drawings.dgn
 1/28/2026 4:03:32 PM

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

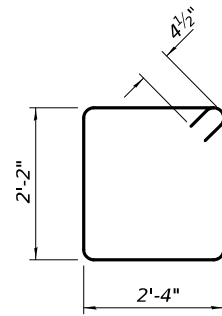
EXAMINED	<i>Mark Stoffer</i> ENGINEER OF BRIDGE DESIGN	DATE	JANUARY 28, 2026
PASSED	<i>Glenn W. Stover</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	---
		REVISED -	---

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

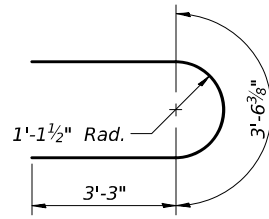
PIER 2
 STRUCTURE NO. 015-0081

SHEET 21 OF 26 SHEETS

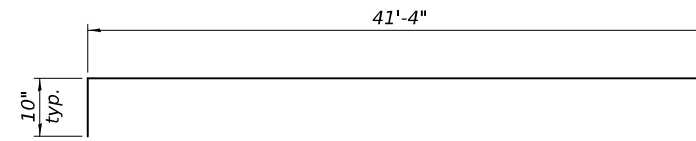
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	31
CONTRACT NO. 74653				
ILLINOIS / FED. AID PROJECT				



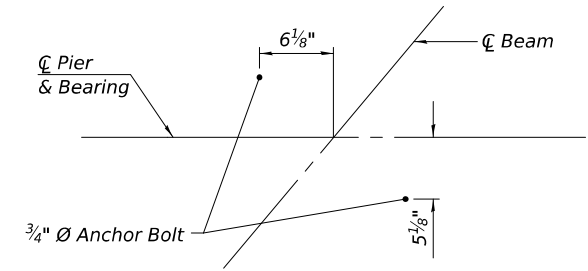
BAR s12(E)



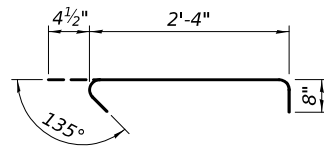
BAR u10(E)



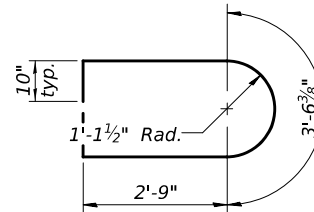
BAR h10(E)



ANCHOR BOLT DETAIL



BAR s13(E)



BAR u11(E)

PIER 1
PILE DATA

Type: HP 12x84
Nominal Required Bearing: 664 kips
Factored Resistance Available: 365 kips
Est. Length: 62'-0"
No. Production Piles: 7
No. Test Piles: 1

PIER 2
PILE DATA

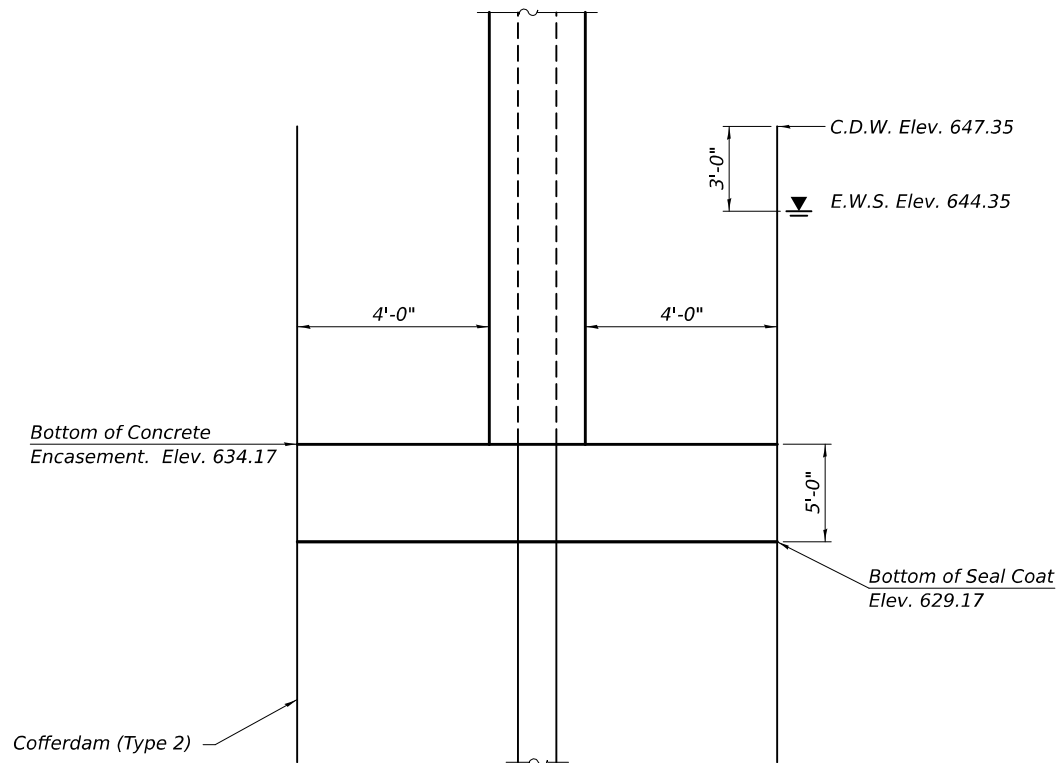
Type: HP 12x84
Nominal Required Bearing: 664 kips
Factored Resistance Available: 365 kips
Est. Length: 56'-0"
No. Production Piles: 7
No. Test Piles: 1

PIER 1
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	36	#5	43'-0"	—
p10(E)	7	#7	41'-4"	—
s12(E)	37	#4	9'-9"	□
s13(E)	288	#4	3'-5"	┌
u10(E)	6	#6	10'-1"	U
u11(E)	36	#5	10'-9"	U
v10(E)	80	#5	19'-5"	—
Cofferdam Excavation		Cu. Yd.	299	
Cofferdam (Type 2) Location 1		Each	1	
Concrete Structures		Cu. Yd.	85.5	
Seal Coat Concrete		Cu. Yd.	102.7	
Reinforcement Bars, Epoxy Coated		Pound	5,220	
Furnishing Steel Piles HP 12x84		Foot	434	
Driving Piles		Foot	434	
Test Pile HP 12x84		Each	1	

PIER 2
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	34	#5	43'-0"	—
p10(E)	7	#7	41'-4"	—
s12(E)	37	#4	9'-9"	□
s13(E)	272	#4	3'-5"	┌
u10(E)	6	#6	10'-1"	U
u11(E)	34	#5	10'-9"	U
v11(E)	80	#5	18'-10"	—
Cofferdam Excavation		Cu. Yd.	308	
Cofferdam (Type 2) Location 2		Each	1	
Concrete Structures		Cu. Yd.	83.4	
Seal Coat Concrete		Cu. Yd.	102.7	
Reinforcement Bars, Epoxy Coated		Pound	5,020	
Furnishing Steel Piles HP 12x84		Foot	392	
Driving Piles		Foot	392	
Test Pile HP 12x84		Each	1	



COFFERDAM DETAIL

MODEL: 74653.dgn FILE NAME: I:\projects\p15081\CADDData\Bridges\015081-Original Details.dgn

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

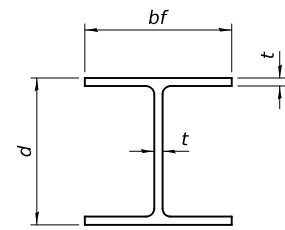
EXAMINED	<i>Mark Stuffer</i>	DATE	JANUARY 28, 2026
PASSED	<i>Glenn W. Stover</i>	REVISED -	---
	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DETAILS
STRUCTURE NO. 015-0081

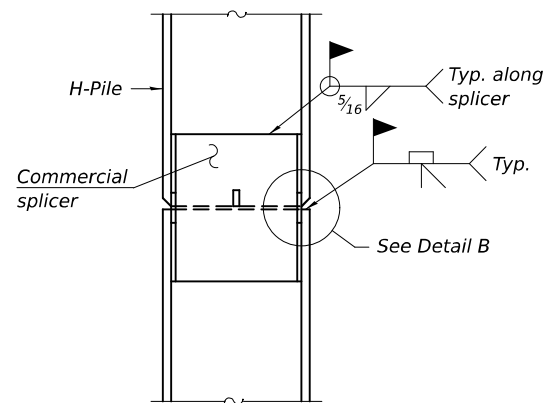
SHEET 22 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	32
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

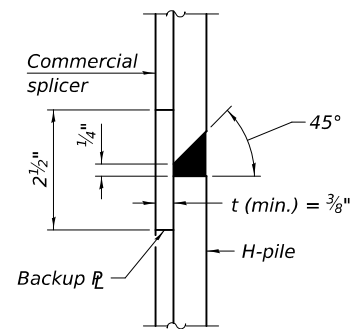


STEEL PILE TABLE

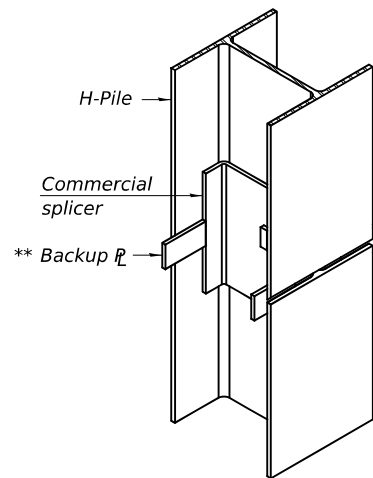
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 18x181	18	18	1	36"
x157	17 ³ / ₄ "	17 ⁷ / ₈ "	7 ⁷ / ₈ "	36"
x135	17 ¹ / ₂ "	17 ³ / ₄ "	3 ³ / ₄ "	36"
HP 16x183	16 ¹ / ₂ "	16 ¹ / ₂ "	1 ¹ / ₈ "	36"
x162	16 ¹ / ₄ "	16 ¹ / ₈ "	1"	36"
x141	16	16	7 ⁷ / ₈ "	36"
x121	15 ³ / ₄ "	15 ⁷ / ₈ "	3 ³ / ₄ "	36"
HP 14x117	14 ¹ / ₄ "	14 ⁷ / ₈ "	1 ³ / ₁₆ "	30"
x102	14"	14 ³ / ₄ "	1 ¹ / ₁₆ "	30"
x89	13 ⁷ / ₈ "	14 ³ / ₄ "	5 ⁵ / ₈ "	30"
x73	13 ⁵ / ₈ "	14 ⁵ / ₈ "	1 ¹ / ₂ "	30"
HP 12x84	12 ¹ / ₄ "	12 ¹ / ₄ "	1 ¹ / ₁₆ "	24"
x74	12 ¹ / ₈ "	12 ¹ / ₄ "	5 ⁵ / ₈ "	24"
x63	12"	12 ¹ / ₈ "	1 ¹ / ₂ "	24"
x53	11 ³ / ₄ "	12"	7 ⁷ / ₁₆ "	24"
HP 10x57	10"	10 ¹ / ₄ "	9 ⁹ / ₁₆ "	24"
x42	9 ³ / ₄ "	10 ¹ / ₈ "	7 ⁷ / ₁₆ "	24"
HP 8x36	8"	8 ¹ / ₈ "	7 ⁷ / ₁₆ "	18"



ELEVATION

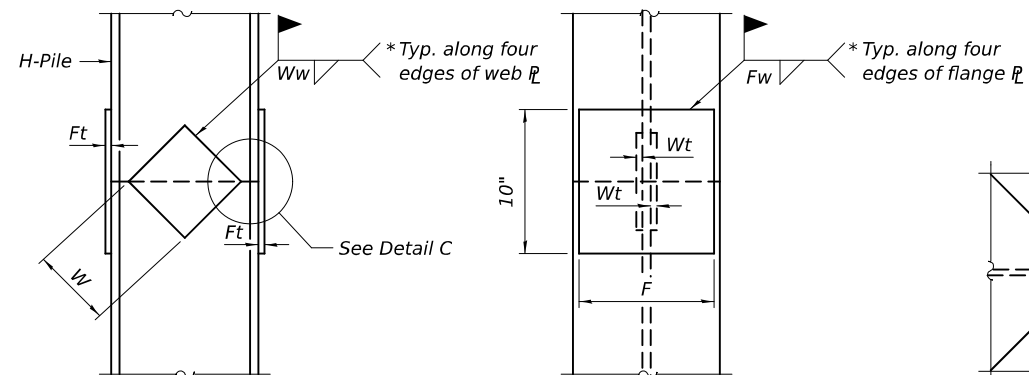


DETAIL B



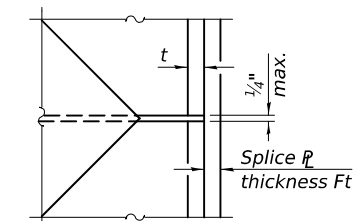
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



ELEVATION

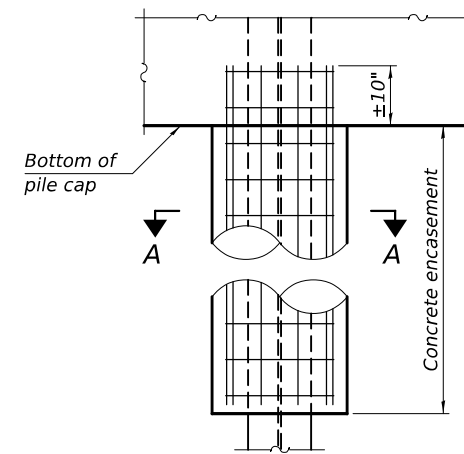
END VIEW



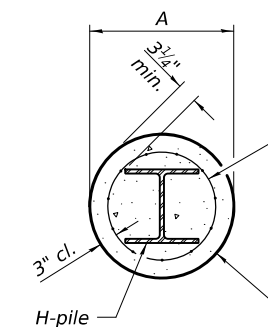
DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 18x181	15 ¹ / ₂ "	1 ¹ / ₂ "	1"	9 ¹ / ₂ "	7 ⁷ / ₈ "	3 ³ / ₄ "
x157	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	7 ⁷ / ₈ "	3 ³ / ₄ "
x135	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	7 ⁷ / ₈ "	3 ³ / ₄ "
HP 16x183	13 ³ / ₄ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	7 ⁷ / ₈ "	3 ³ / ₄ "
x162	13 ¹ / ₂ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	3 ³ / ₄ "	5 ⁵ / ₈ "
x141	13 ¹ / ₂ "	1 ¹ / ₄ "	7 ⁷ / ₈ "	8 ¹ / ₄ "	3 ³ / ₄ "	5 ⁵ / ₈ "
x121	13 ¹ / ₂ "	1 ¹ / ₄ "	7 ⁷ / ₈ "	8 ¹ / ₄ "	3 ³ / ₄ "	5 ⁵ / ₈ "
HP 14x117	12 ¹ / ₂ "	1 ¹ / ₄ "	7 ⁷ / ₈ "	7 ³ / ₄ "	5 ⁵ / ₈ "	1 ¹ / ₂ "
x102	12 ¹ / ₂ "	1"	3 ³ / ₄ "	7 ³ / ₄ "	5 ⁵ / ₈ "	1 ¹ / ₂ "
x89	12 ¹ / ₂ "	7 ⁷ / ₈ "	1 ¹ / ₁₆ "	7 ³ / ₄ "	5 ⁵ / ₈ "	1 ¹ / ₂ "
x73	12 ¹ / ₂ "	3 ³ / ₄ "	9 ⁹ / ₁₆ "	7 ³ / ₄ "	5 ⁵ / ₈ "	1 ¹ / ₂ "
HP 12x84	10"	1"	1 ¹ / ₁₆ "	6 ¹ / ₂ "	5 ⁵ / ₈ "	1 ¹ / ₂ "
x74	10"	7 ⁷ / ₈ "	1 ¹ / ₁₆ "	6 ¹ / ₂ "	5 ⁵ / ₈ "	1 ¹ / ₂ "
x63	10"	3 ³ / ₄ "	1 ¹ / ₂ "	6 ¹ / ₂ "	1 ¹ / ₂ "	3 ³ / ₈ "
x53	10"	3 ³ / ₄ "	1 ¹ / ₂ "	6 ¹ / ₂ "	1 ¹ / ₂ "	3 ³ / ₈ "
HP 10x57	8"	7 ⁷ / ₈ "	9 ⁹ / ₁₆ "	5 ¹ / ₄ "	1 ¹ / ₂ "	3 ³ / ₈ "
x42	8"	3 ³ / ₄ "	9 ⁹ / ₁₆ "	5 ¹ / ₄ "	1 ¹ / ₂ "	3 ³ / ₈ "
HP 8x36	6 ³ / ₄ "	5 ⁵ / ₈ "	7 ⁷ / ₁₆ "	4"	1 ¹ / ₂ "	3 ³ / ₈ "

WELDED PLATE FIELD SPLICE



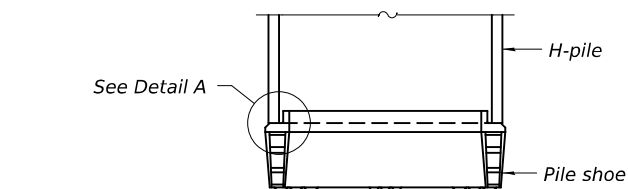
ELEVATION



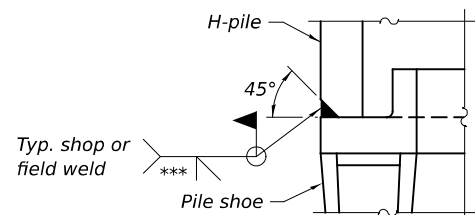
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT (when specified)

Welded wire fabric 6 x 6- W4.0 x W4.0 weighing 58#/100 sq. ft. Bend as required to fit into wall. Reinforcement for encasements at abutments is included with Concrete Encasement according to Article 503.13 of the Standard Specifications. Forms for encasement may be omitted when soil conditions permit.



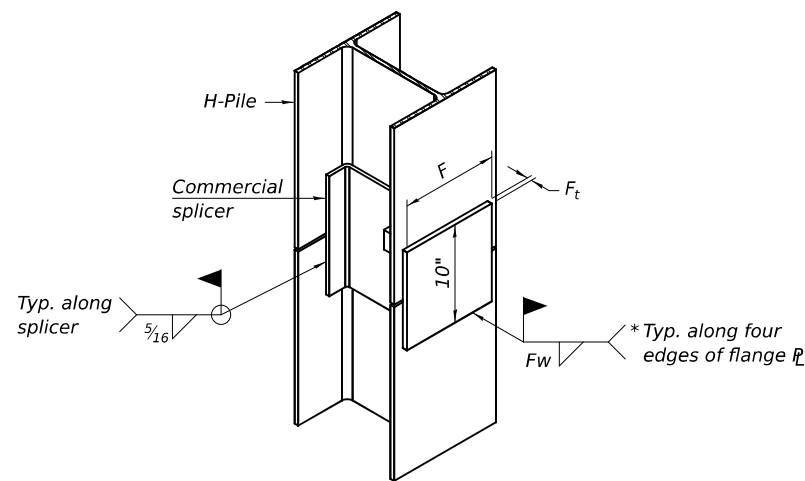
ELEVATION



DETAIL A

SHOE ATTACHMENT

Note: The steel H-piles shall be according to AASHTO M270 Grade 50.



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup flange's that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

MODEL: 74653.dwg FILE NAME: I:\Projects\2026\DOT\Office\Bureau of Bridges and Structures\CBM\Project\0150081\CADD\Bridges\Bridges\0150081-Original Design.dwg

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	ANDREW M. DIORIO
DRAWN -	GLENN W. STOVER
CHECKED -	T.L.A. / A.M.D. / R.P.N.

EXAMINED	<i>Mark Stoffer</i>	DATE	JANUARY 28, 2026
PASSED	<i>Glenn W. Stover</i>	REVISED -	---
	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	---

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS STRUCTURE NO. 015-0081

SHEET 23 OF 26 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	33
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 3

Date 7/25/22

ROUTE FAS 674 (CH 31) DESCRIPTION CH 31 over Little Wabash River LOGGED BY E. Sandschafer

SECTION (32Q-MFT)BR LOCATION Southwest 1/4 of Northeast 1/4, SEC. 17, TWP. 7E, RNG. 11N, 3rd PM, Latitude N 39.397017, Longitude W 88.443693

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER/Auto ETR = 91.8% @ 57.4 bpm

STRUCT. NO. 015-0034 (Existing)
Station 132+70.5

BORING NO. 1 South Abutment
Station 131+63
Offset 6.0 ft RT
Ground Surface Elev. 658.21 ft

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	SOIL	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
657.11				1-3/8" Oil and Chip over 12" of Concrete	6	0.4	17	
				Grey, CLAY	9	BS		
636.21				Very stiff, moist, grey, CLAY LOAM Till	3			
634.91				Medium dense, wet, grey, coarse grained, SAND	12	2.5	9	
					15	B		
				Very stiff, moist	12	NT	10	
				Stiff, with sand	17	NT	22	
					35	NT		
628.71				Hard, moist, grey, CLAY LOAM Till	5			
					16	8.9	10	
					16	BS		
623.71				Very dense, moist, grey, fine grained, SAND	7			
					35	NT	20	
				Gravelly	33	NT		
641.21				Stiff, moist, grey, SANDY CLAY	1	1.3	17	
					2			
638.21					2			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer, NR-No Recovery, NT-Not Tested.

BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 3

Date 7/25/22

ROUTE FAS 674 (CH 31) DESCRIPTION CH 31 over Little Wabash River LOGGED BY E. Sandschafer

SECTION (32Q-MFT)BR LOCATION Southwest 1/4 of Northeast 1/4, SEC. 17, TWP. 7E, RNG. 11N, 3rd PM, Latitude N 39.397017, Longitude W 88.443693

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER/Auto ETR = 91.8% @ 57.4 bpm

STRUCT. NO. 015-0034 (Existing)
Station 132+70.5

BORING NO. 1 South Abutment
Station 131+63
Offset 6.0 ft RT
Ground Surface Elev. 658.21 ft

DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)	SOIL	DEPTH (ft)	BLOWS (/6")	UCS (tsf)	MOIST (%)
				Hard, moist, grey, CLAY LOAM Till	31	7.8	9	
					41	BS		
613.71				Medium, moist, grey, SILT	2			
					13	3.0	16	
					15	S		
608.71				Hard, moist, brown, SILTY CLAY Till	7			
					8	5.2	15	
					12	B		
				Hard, grey	23	NT	17	
					30/5'	NT		
					30/4-1/4'	NT		
598.21					45			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer, NR-No Recovery, NT-Not Tested.

BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

ROCK CORE LOG

Page 3 of 3

Date 7/25/22

ROUTE FAS 674 (CH 31) DESCRIPTION CH 31 over Little Wabash River LOGGED BY E. Sandschafer

SECTION (32Q-MFT)BR LOCATION Southwest 1/4 of Northeast 1/4, SEC. 17, TWP. 7E, RNG. 11N, 3rd PM, Latitude N 39.397017, Longitude W 88.443693

COUNTY Coles CORING METHOD Rolary, surf set diamond bit

STRUCT. NO. 015-0034 (Existing)
Station 132+70.5

BORING NO. 1 South Abutment
Station 131+63
Offset 6.0 ft RT
Ground Surface Elev. 658.21 ft

DEPTH (ft)	CORING METHOD	RECOVERY (%)	Q.D. (%)	TIME (min/ft)	CORE TYPE	STRENGTH (tsf)	MOISTURE (%)
597.21	C1	61	53	1.1	Grey, SHALE		
62.5'							72.7
592.21	C2	100	83	3.2	Grey, SHALE		
69.4'							46.1
587.21							

Benchmak: BM 507 - Cut Square on Northeast Corner of Headwall of Bridge over Little Wabash River, SN 015-0034, Sta. 133+00, 15 Feet RT. Elevation = 657.835 Feet. End of Boring

Color pictures of the cores Available on request. Cores will be stored for examination until Construction Complete. The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938) BBS, form 138 (Rev. 8-99)

MODEL: 74653.dwg FILE NAME: I:\Bids\paw\2022\DOT\Documents\Bridges and Structures\BMS\Project\0150081\CADD\Bids\Bridging\0150081-Original Design.dwg

DESIGNED - TIFFANY L. ADAMS
CHECKED - ANDREW M. DIORIO
DRAWN - GLENN W. STOVER
CHECKED - T.L.A. / A.M.D. / R.P.N.

EXAMINED *Mark Stuffer*
ENGINEER OF BRIDGE DESIGN
PASSED *Quate W. Mann*
ENGINEER OF BRIDGES AND STRUCTURES

DATE JANUARY 28, 2026
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 015-0081

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	35
CONTRACT NO. 74653				

SHEET 25 OF 26 SHEETS

ILLINOIS FED. AID PROJECT



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 8/12/22

ROUTE FAS 674 (CH 31) DESCRIPTION CH 31 over Little Wabash River LOGGED BY E. Sandschafer

SECTION (32Q-MFT)BR LOCATION Southwest 1/4 of Northeast 1/4, SEC. 17, TWP. 7E, RNG. 11N, 3rd PM, Latitude N 39.397546, Longitude W 88.443742

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4 bpm

015-0034 (Existing)
STRUCT. NO. 015-0081 (Proposed)
Station 132+70.5

BORING NO. 2 North Abutment
Station 133+66
Offset 8.0 ft LT
Ground Surface Elev. 656.98 ft

DEPTH (ft)	BULGE (ft)	UCS (tsf)	M O I S T (%)	DESCRIPTION	DEPTH (ft)	BULGE (ft)	UCS (tsf)	M O I S T (%)
1	1.3	16		Stiff, moist, grey, SANDY CLAY	1	1.3	16	
2	B				2			
3	1.8	22		Medium dense, wet, grey, fine grain, SAND	3	1.8	22	
4	B			15.9% passing #200 Sieve	4	NT	23	
5					5			
6	1.8	20		Dense	6	1.8	20	
	B			37.8% passing #200 Sieve		B		
2				Dense, moist, grey, fine grain, SANDY LOAM	2			
3	1.4	18			3	1.4	18	
4	B				4	B		
1				Very stiff, moist, grey, CLAY	1			
4	2.3	17			4	2.3	17	
5	B				5	B		
1	1.0	23		Stiff, moist, brown, CLAY LOAM	1	1.0	23	
1	B				1	B		
1				Soft, moist, grey, SANDY LOAM	1			
1	0.3	16			1	0.3	16	
2	S				2	S		
1				Hard, moist, grey, CLAY LOAM Till	1			
1	0.3	18			1	0.3	18	
1	S				1	S		
1					1			

SOIL BORING 015-0081 (OLD 0034) SOIL ROCK 2022.GPJ IL DOT.GDT 8/26/25

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer, NR-No Recovery, NT-Not Tested.

BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 8/12/22

ROUTE FAS 674 (CH 31) DESCRIPTION CH 31 over Little Wabash River LOGGED BY E. Sandschafer

SECTION (32Q-MFT)BR LOCATION Southwest 1/4 of Northeast 1/4, SEC. 17, TWP. 7E, RNG. 11N, 3rd PM, Latitude N 39.397546, Longitude W 88.443742

COUNTY Coles DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4 bpm

015-0034 (Existing)
STRUCT. NO. 015-0081 (Proposed)
Station 132+70.5

BORING NO. 2 North Abutment
Station 133+66
Offset 8.0 ft LT
Ground Surface Elev. 656.98 ft

DEPTH (ft)	BULGE (ft)	UCS (tsf)	M O I S T (%)	DESCRIPTION	DEPTH (ft)	BULGE (ft)	UCS (tsf)	M O I S T (%)
7	6.6	13		Hard, moist, brown, CLAY Till	7	6.6	13	
10	B				10	B		
8					8			
31	NT	10		Hard, moist, grey, SHALE	31	NT	10	
49	NT				49	NT		
15					15			
50/4-1/2"	NT	8			50/4-1/2"	NT	8	
50/1-1/2"	NT				50/1-1/2"	NT		
6				Benchmark: BM 507 - Cut Square on Northeast Corner of Headwall of Bridge over Little Wabash River, SN 015-0034, Sta. 133+00, 15 Feet RT. Elevation = 657.835 Feet.	6			
				End of Boring				

SOIL BORING 015-0081 (OLD 0034) SOIL ROCK 2022.GPJ IL DOT.GDT 8/26/25

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer, NR-No Recovery, NT-Not Tested.

BBS, form 137 (Rev. 8-99)

MODEL: 74653.dgn FILE NAME: I:\projects\cbm\p150081\CADD\Drawings\Bridges\0150081-Original\Drawings.dgn

DESIGNED - TIFFANY L. ADAMS
CHECKED - ANDREW M. DIORIO
DRAWN - GLENN W. STOVER
CHECKED - T.L.A. / A.M.D. / R.P.N.

EXAMINED *Mark Miller*
ENGINEER OF BRIDGE DESIGN
PASSED *Quate W. Mann*
ENGINEER OF BRIDGES AND STRUCTURES

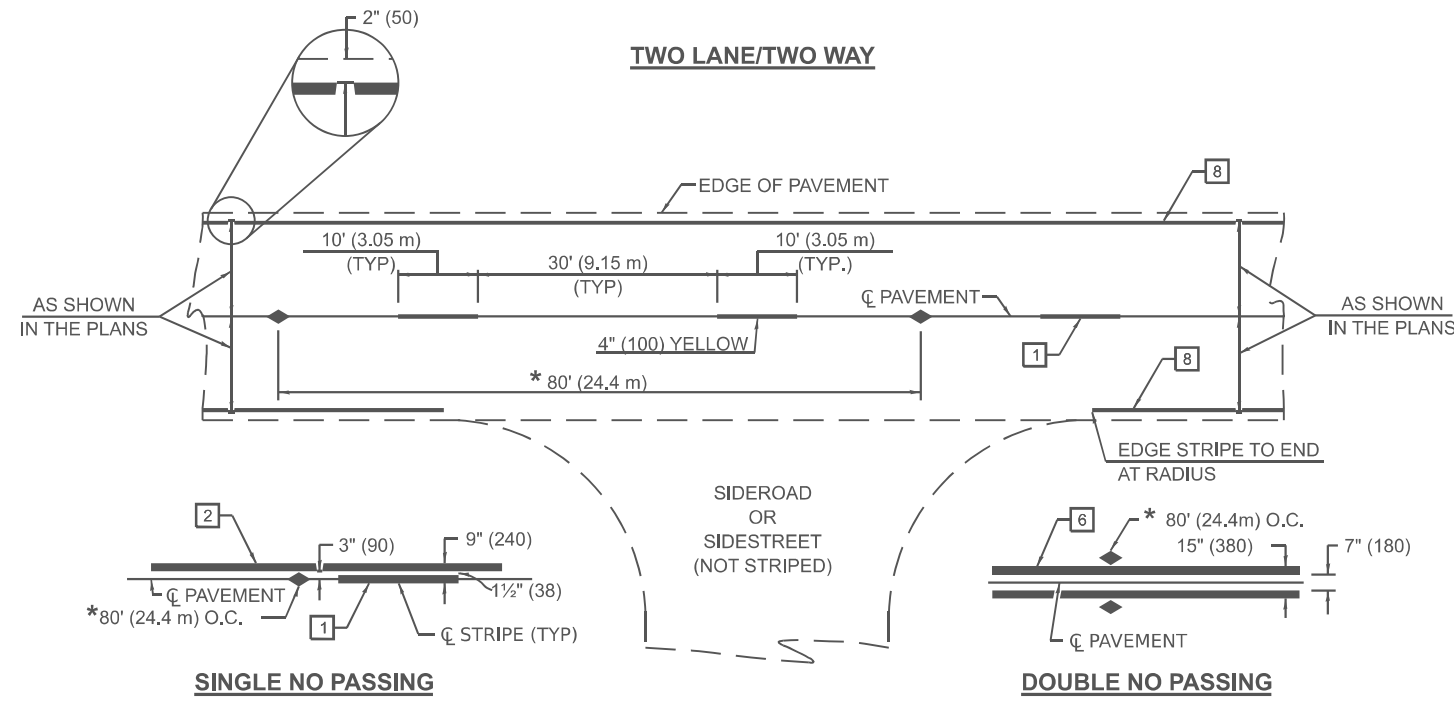
DATE JANUARY 28, 2026
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 015-0081

SHEET 26 OF 26 SHEETS

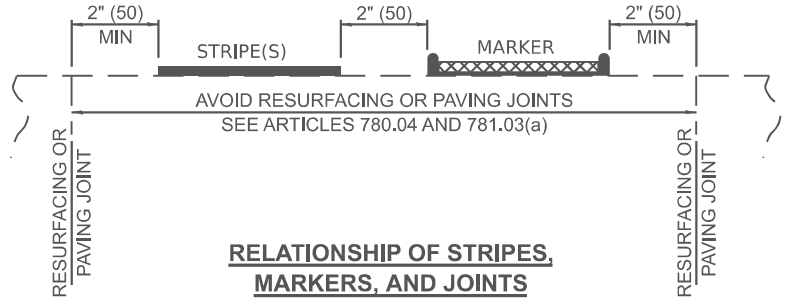
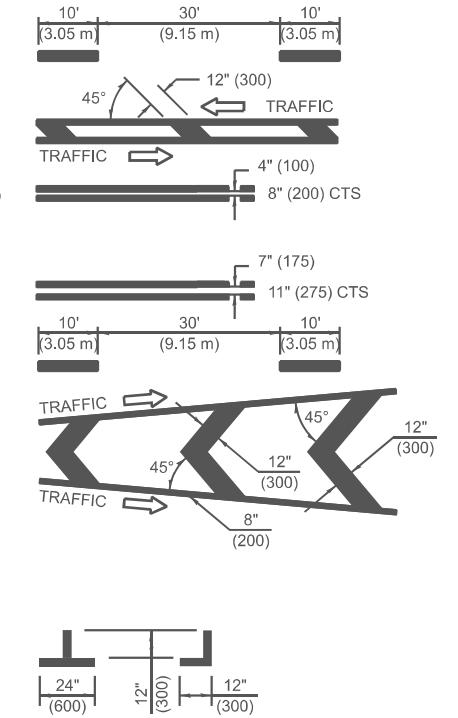
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	36
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 MPH (70 km/h) OR LESS.

PAVEMENT MARKERS LEGEND

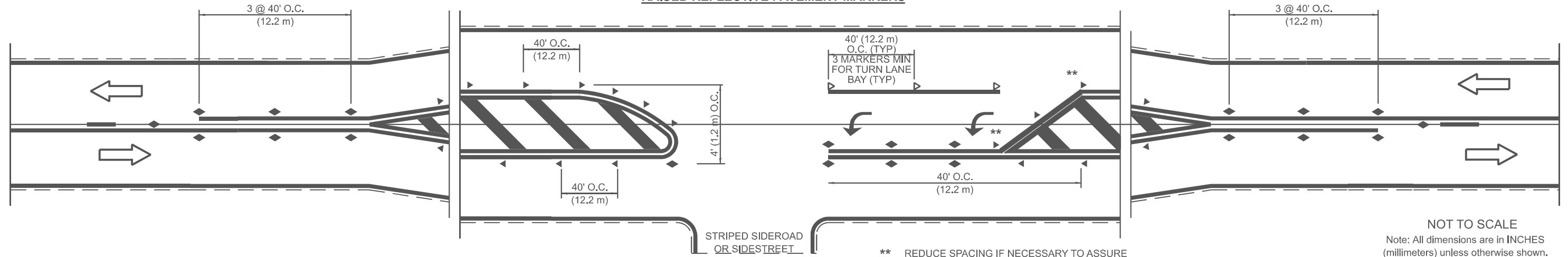
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID (WHITE)
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING (WHITE)



TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RAISED REFLECTIVE PAVEMENT MARKERS



NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: Unlitled-6 (Sheet)
FILE NAME: c:\pwworking\blerman\bl1045435\0774653-sh-stripping.dgn

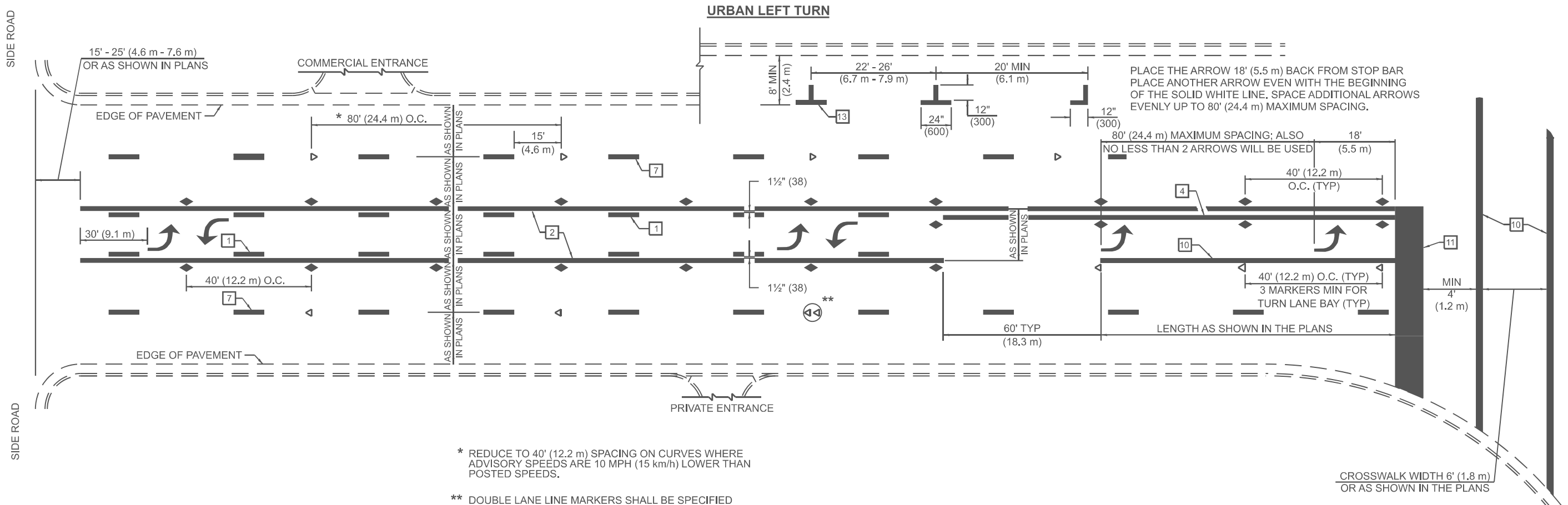
USER NAME = Brian.Bierman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/10/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

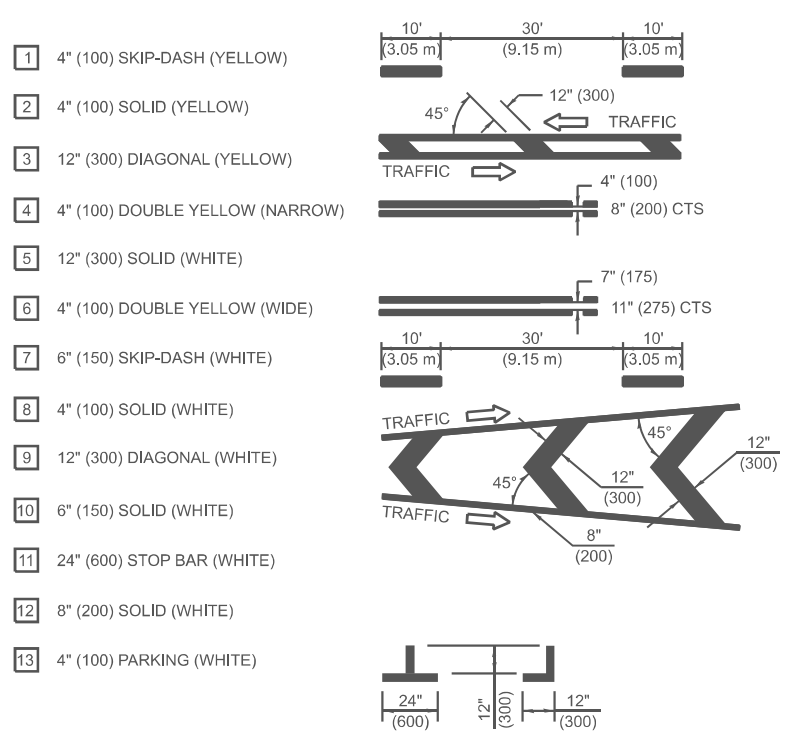
DISTRICT 7 DETAIL NO. 78000001				
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	37
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



* REDUCE TO 40' (12.2 m) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

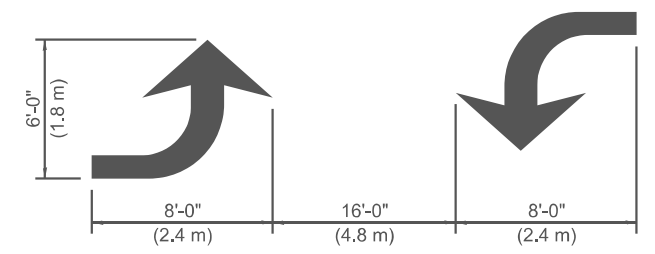
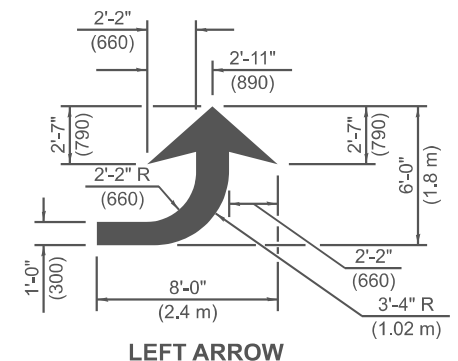
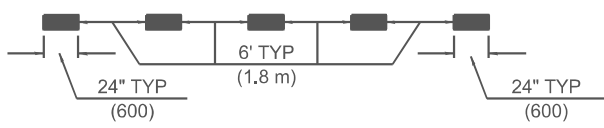
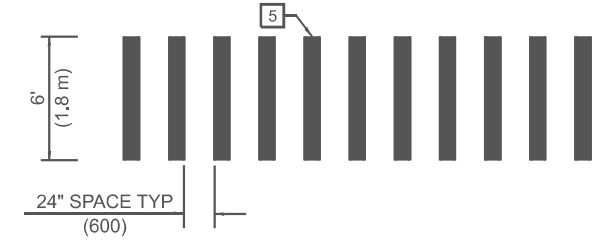
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND



GENERAL NOTES

- TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE USE A MINIMUM OF TWO PAIRS PER BLOCK.
- THE SOLID YELLOW PAVEMENT MARKING [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- THE SKIP-DASH PAVEMENT MARKING [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
- USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE SECTION 780 FOR SYMBOLS TABLE)
- LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.
- ALL WHITE SKIP-DASH LINES SHALL BE 6" IN WIDTH.



TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL: Unlited-7 (Sheet) FILE NAME: c:\pwworking\blbman\blb1045435\0774653-sh-stripping.dgn

USER NAME = Brian.Bierman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/10/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

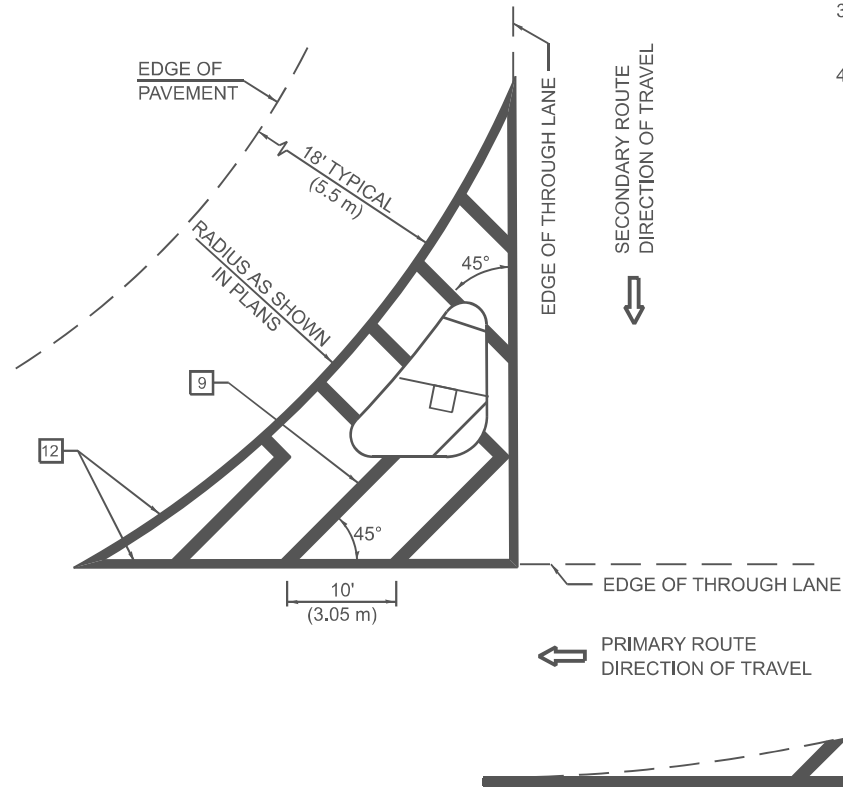
**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)**

DISTRICT 7 DETAIL NO. 78000001				
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	38
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

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

ISLANDS

OPTION 1

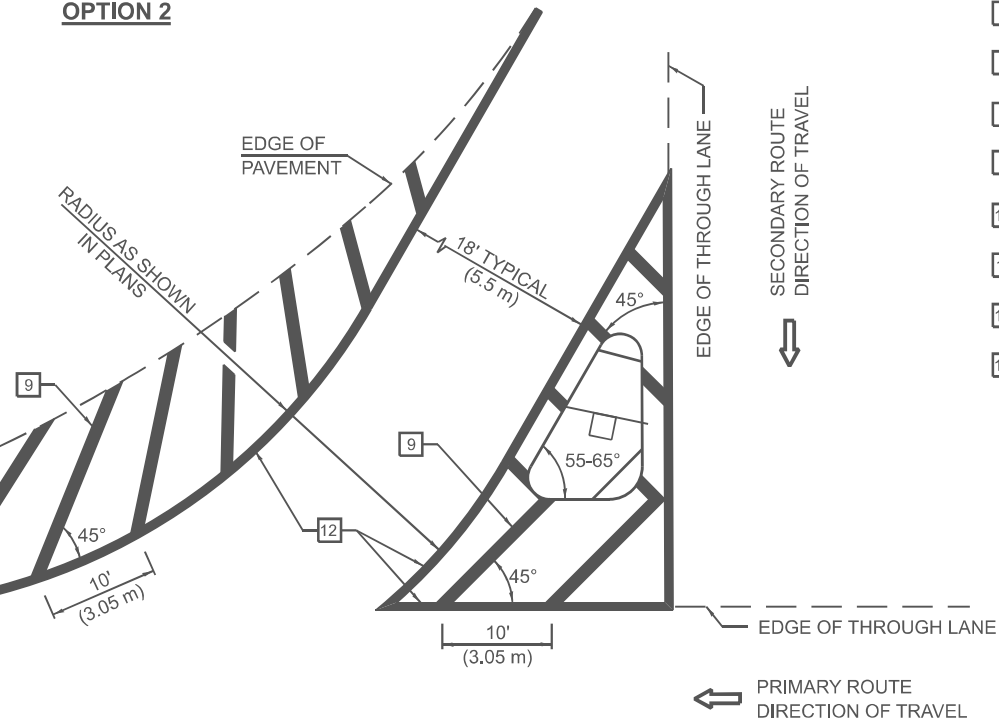


GENERAL NOTES

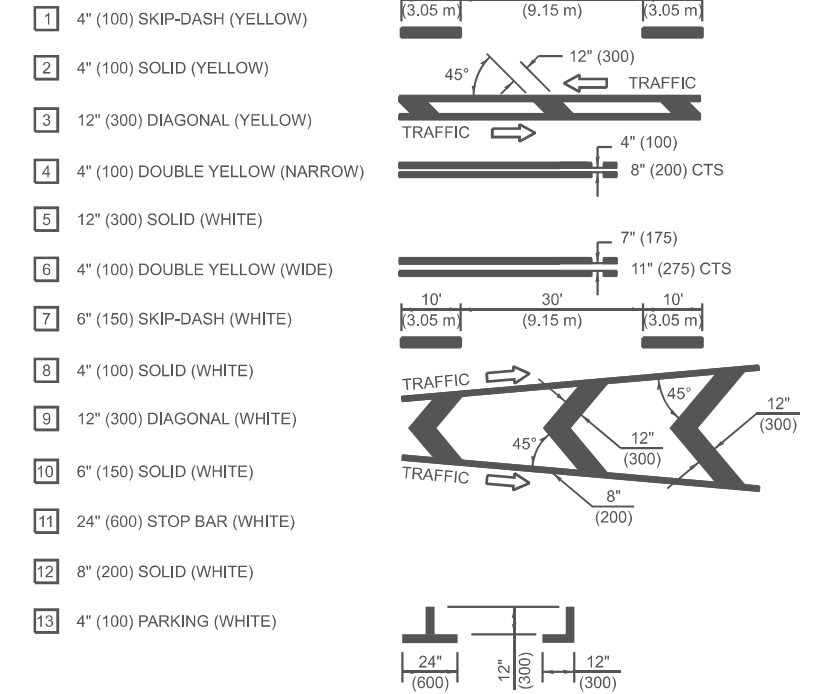
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2].
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

<30 MPH (<50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
>45 MPH (>75 km/h)	30' (9.0 m)
6. THE USE OF ISLAND STRIPING OPTION 1 OR OPTION 2 SHALL BE AS SHOWN ON THE PLANS.

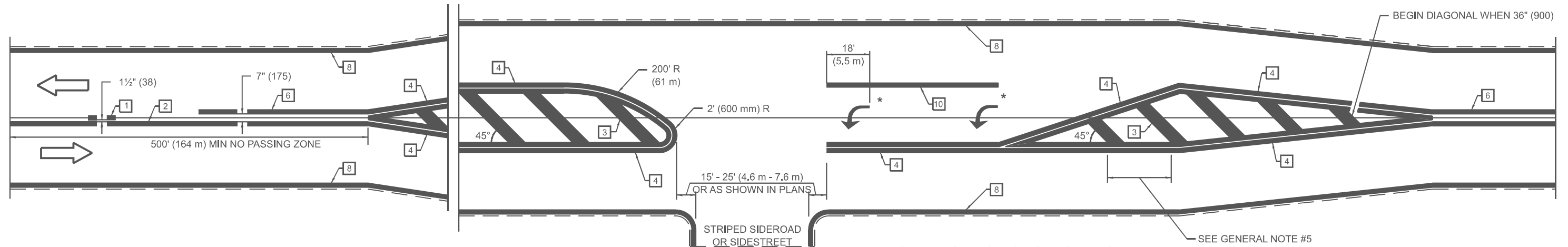
OPTION 2



PAVEMENT MARKING LEGEND



RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18' (5.5 m) BACK FROM END OF THE SOLID WHITE LINE. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

USER NAME = Brian.Bierman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/10/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)**

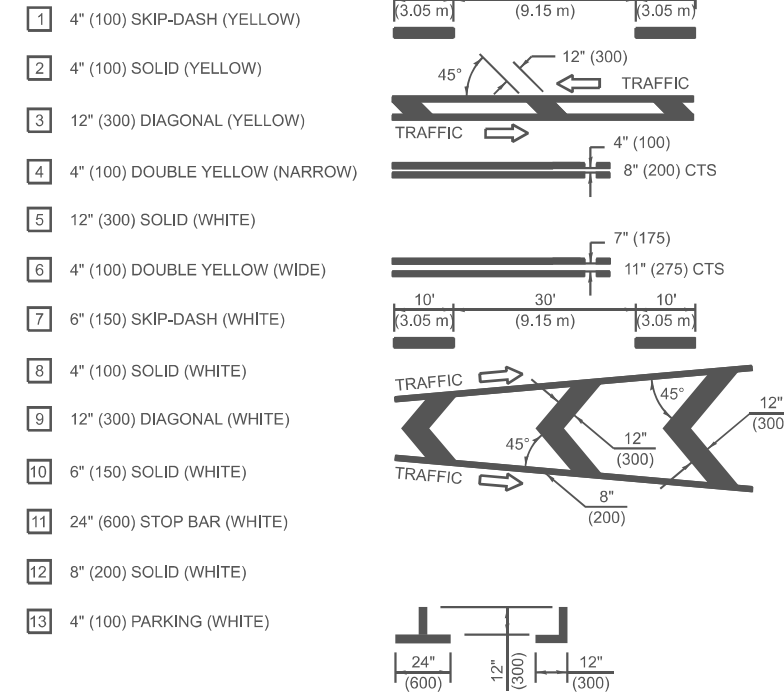
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	39
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

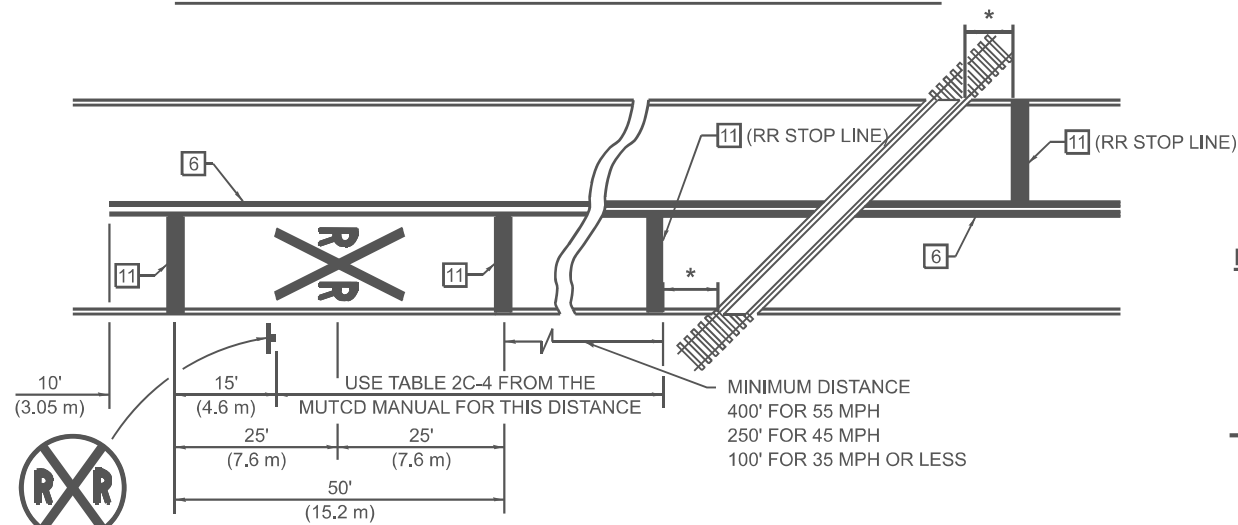
MODEL: Unlitled-8 (Sheet)
FILE NAME: c:\pwworking\blbierman\1045435\0774653-shr-striping.dgn

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

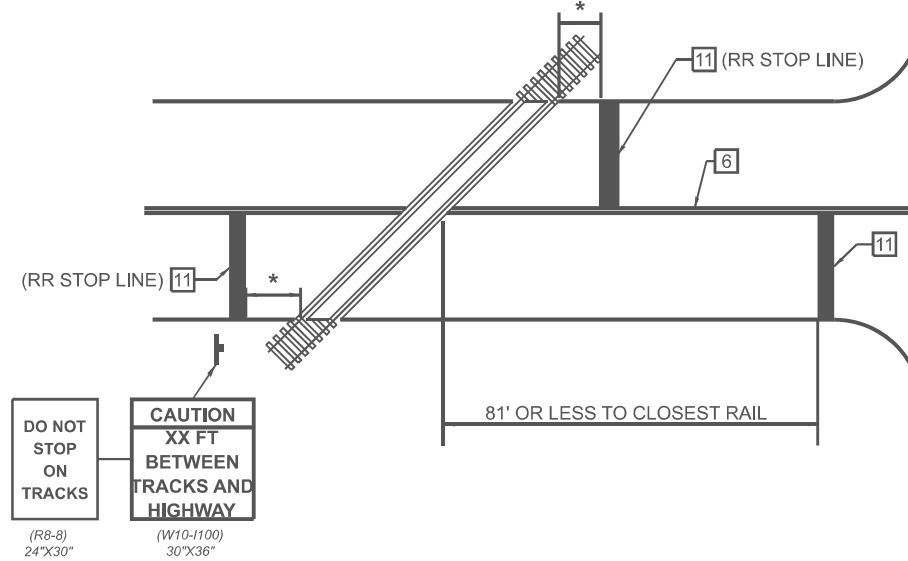
PAVEMENT MARKING LEGEND



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



RAILROAD CROSSING WITH NON-SIGNALIZED INTERSECTION

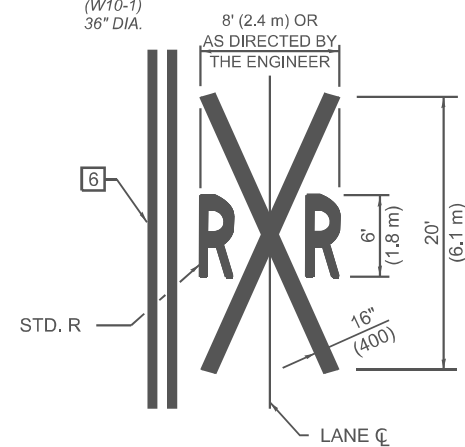


NOTES

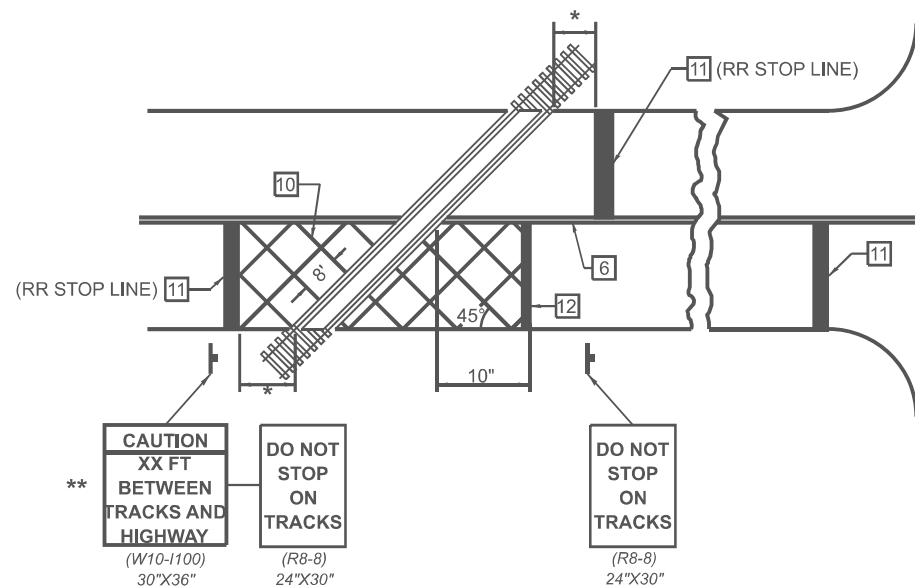
THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

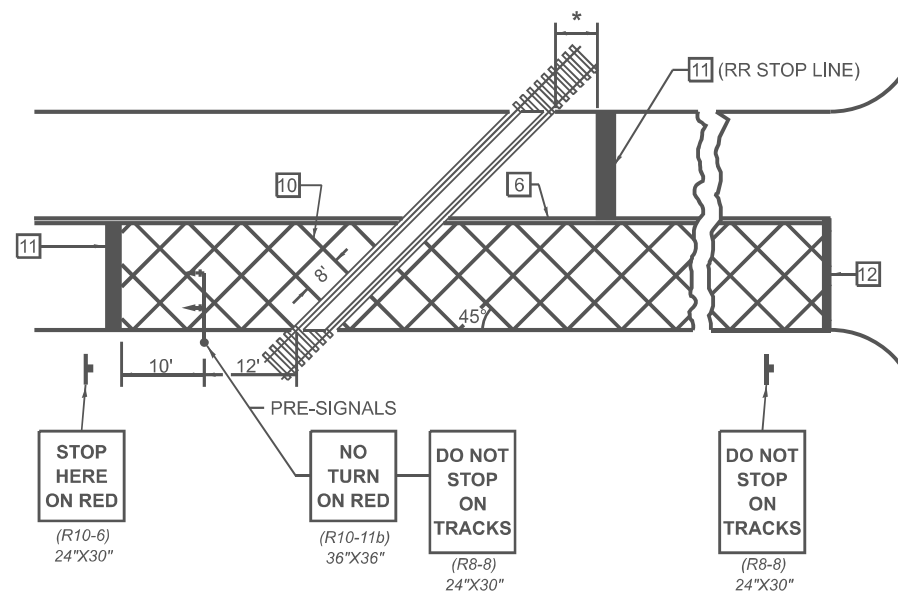
WHEN THE PAVEMENT MARKING SYMBOLS IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



RAILROAD CROSSING WITH INTERCONNECT ONLY

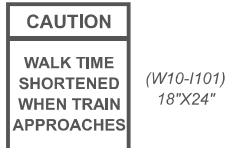


RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE PRE-SIGNALS ARE USED.
- WHEN PEDESTRIAN SIGNALS ARE PRESENT WITH INTERCONNECTED SIGNALS, WARNING SIGN W10-1101 (18"x24") SHALL BE PLACED NEAR EACH PEDESTRIAN SIGNAL HEAD. COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL NOT BE UTILIZED ALONG WITH INTERCONNECTED SIGNALS.
- PLEASE REFER TO THE IDOT BUREAU OF OPERATION MEMO OPS T-06 DATED DECEMBER 1, 2020 FOR ADDITIONAL INFORMATION.



- * 15' FROM NEAR RAIL OR 8' FROM AND PARALLEL TO GATE IF PRESENT
- ** WARNING SIGN W10-1100 SHALL BE USED AS AN INTERIM MEASURE AT INTERCONNECTED SIGNAL LOCATIONS WHERE PRE-SIGNALS ARE TO BE INSTALLED IN THE FUTURE. THIS SIGN SHALL BE REMOVED WHEN THE PRE-SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS ARE EXTENDED TO THE INTERSECTION.

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

USER NAME = Brian.Bierman	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/10/2025	DATE -	REVISED -

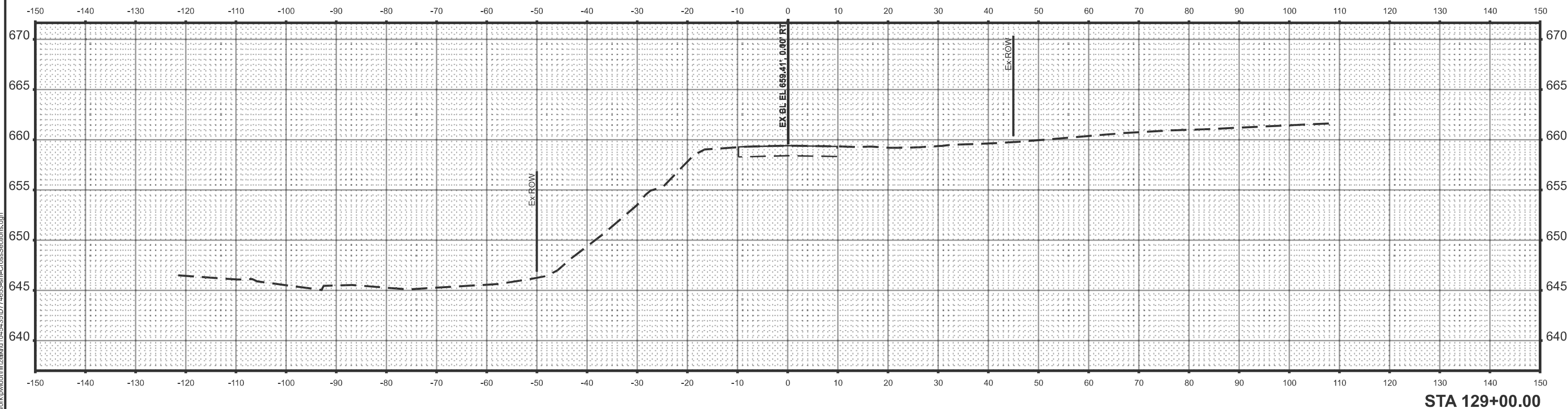
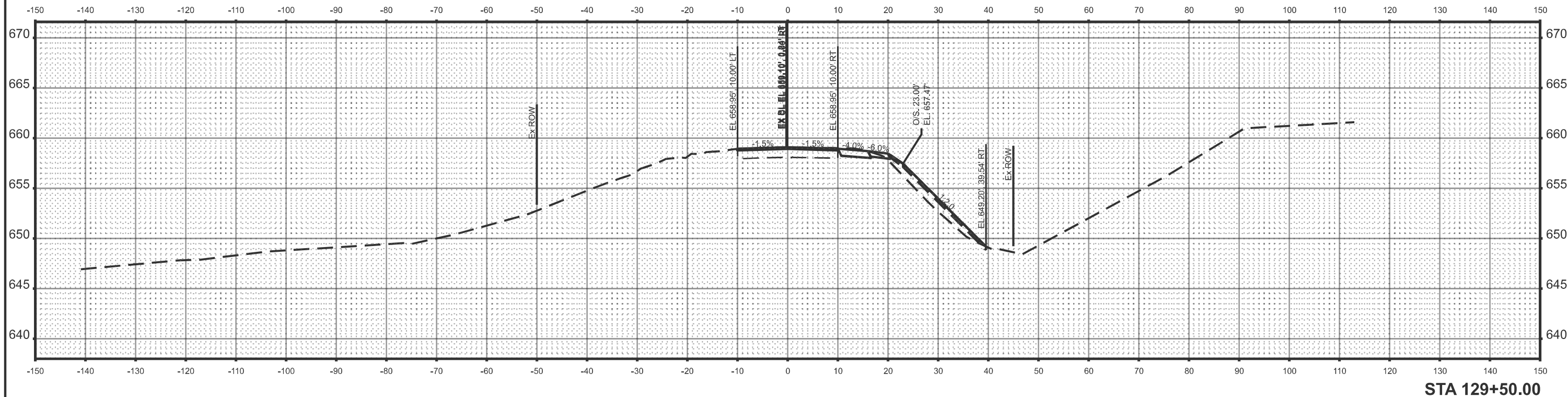
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	40
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

MODEL: Unlited-9 (Sheet)
FILE NAME: c:\pwworking\dotcom\manj\1045435\0774653-shr-striping.dgn



MODEL: CH31 - 129+00.00-1 (Sheet)
 FILE NAME: c:\pw\work\road\hrtzel\1045450774653-sh-CrossSections.dgn

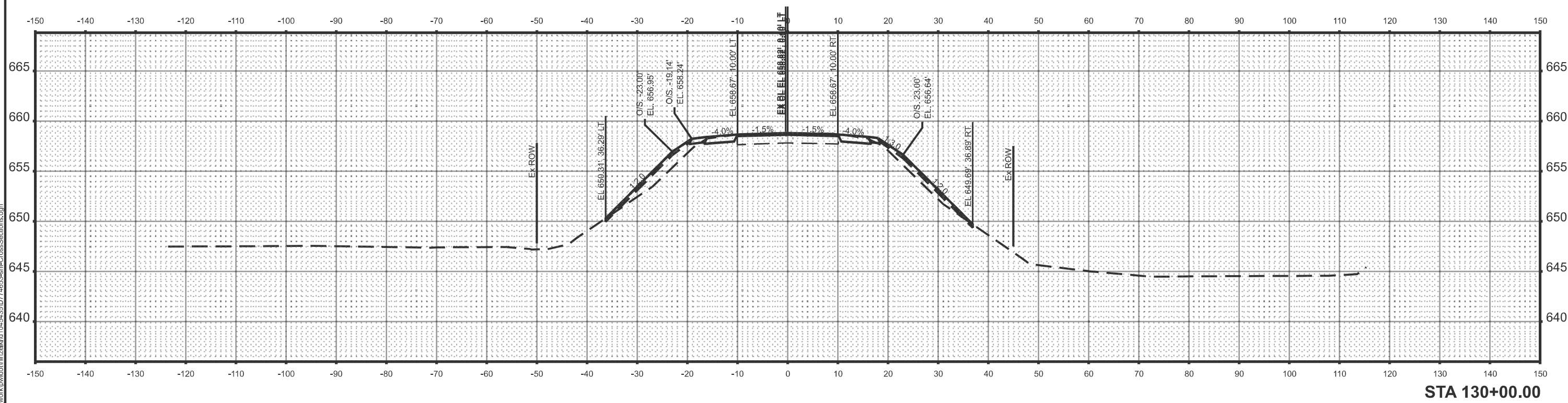
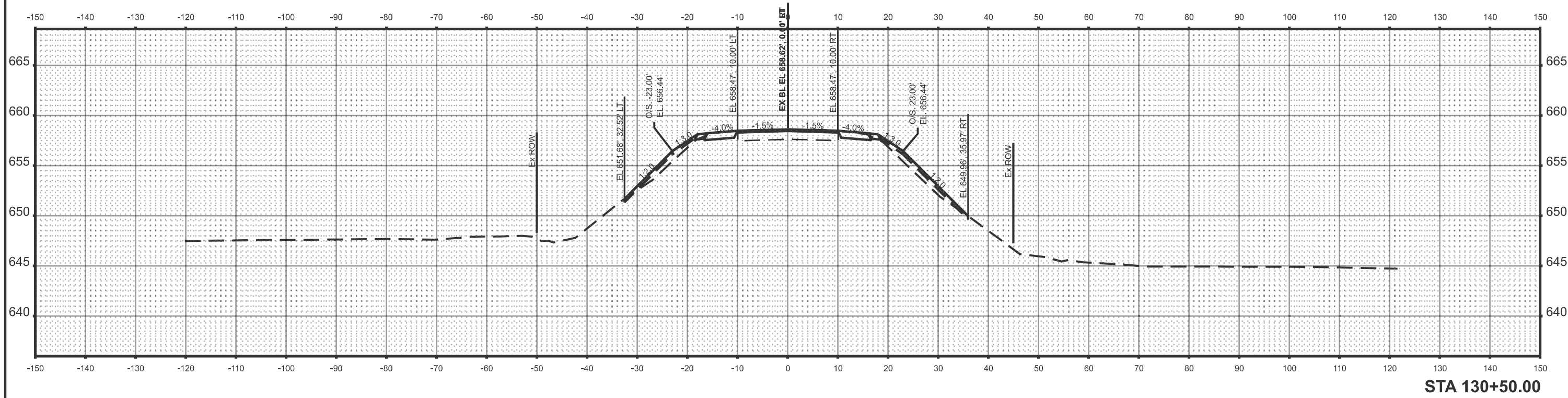
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS-SECTIONS

SCALE: 1"=10' SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	41
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



MODEL: CH31 - 130+00.00-1 (Sheet)
 FILE NAME: c:\pw\work\road\hrtz\hrtz\1045435\074653-sh-CrossSections.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

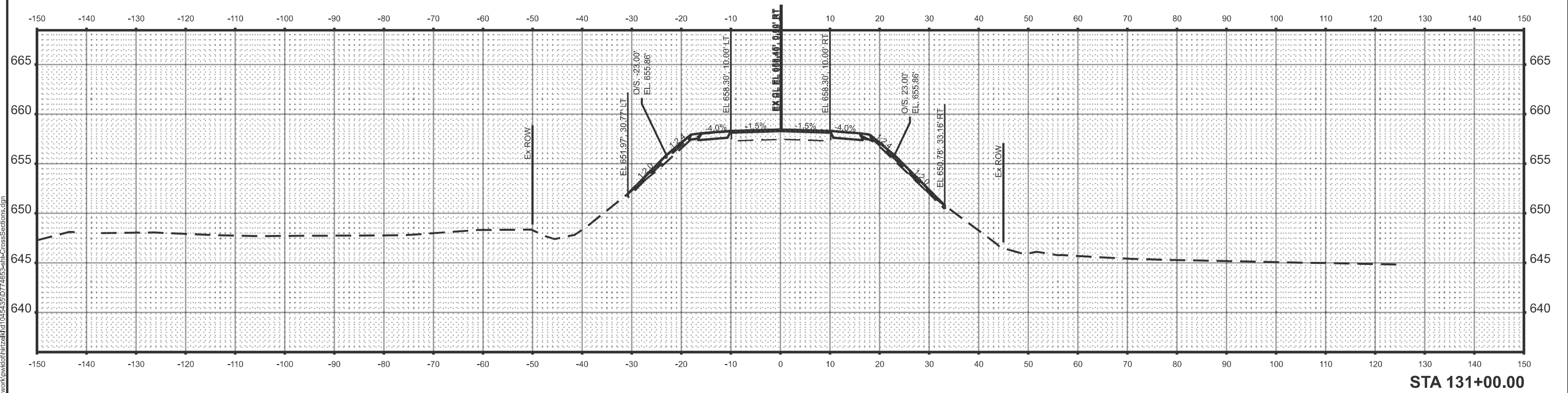
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

SCALE: 1"=10' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	42
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

MODEL: CH131 - 131+00.00-1 [Sheet]
 FILE NAME: c:\pwworking\hartzel\1045450774653-sh-CrossSections.dgn



STA 131+00.00

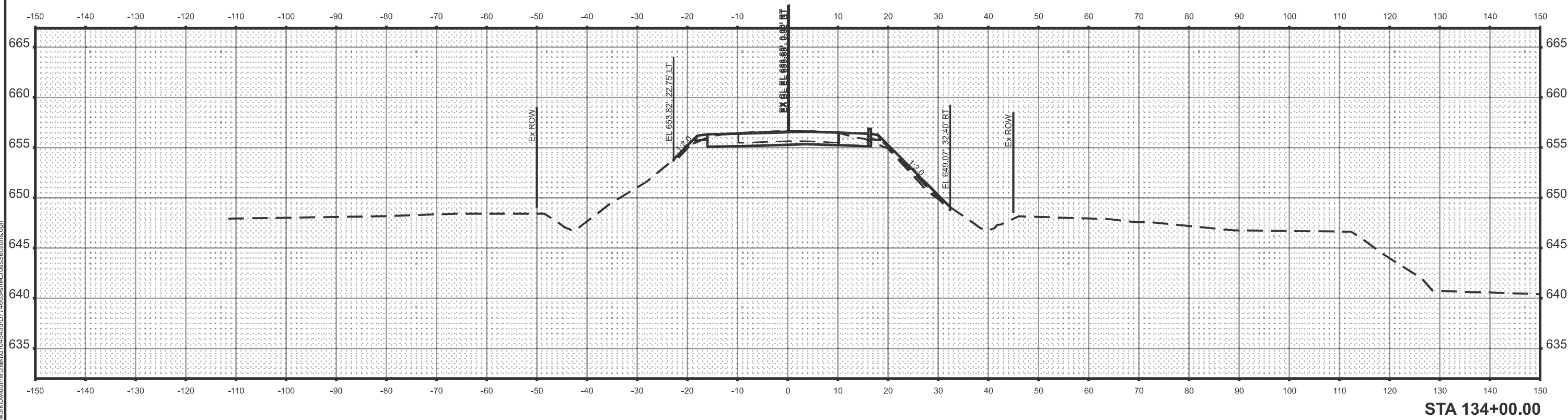
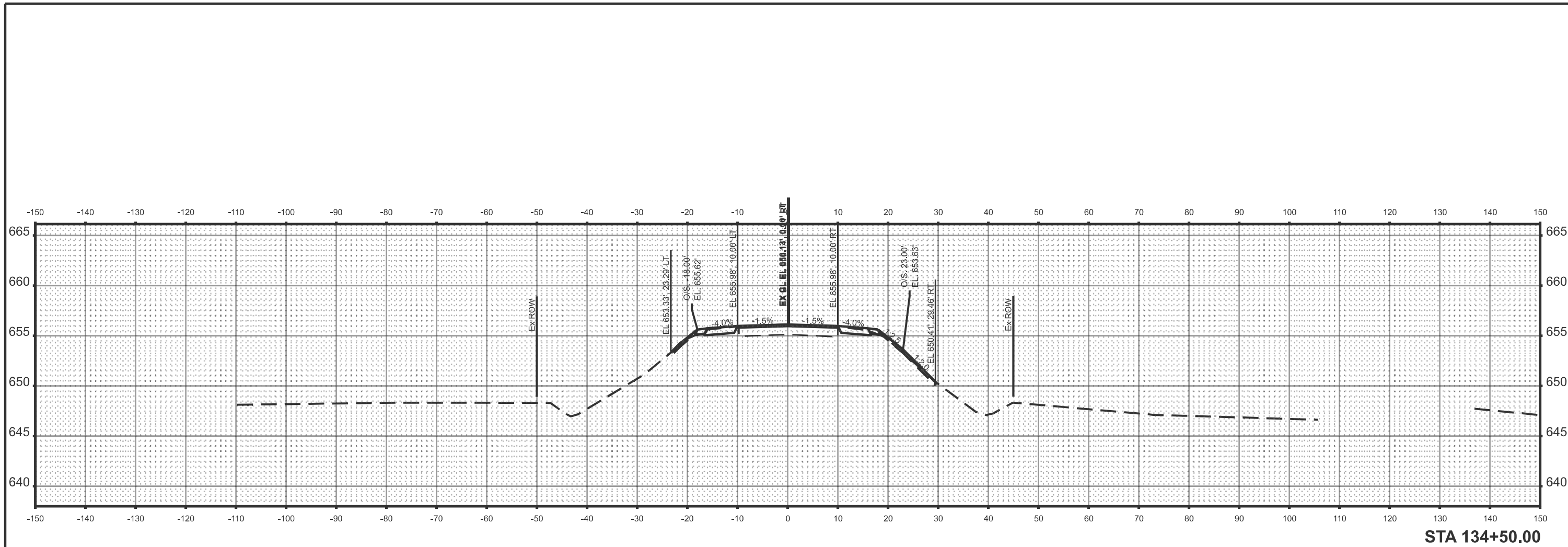
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS-SECTIONS

SCALE: 1"=10' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	43
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



MODEL: CH31 - 134+00.00-1 (Sheet)
 FILE NAME: c:\pw\work\road\hrtzel\10454507\4653-sh-CrossSections.dgn

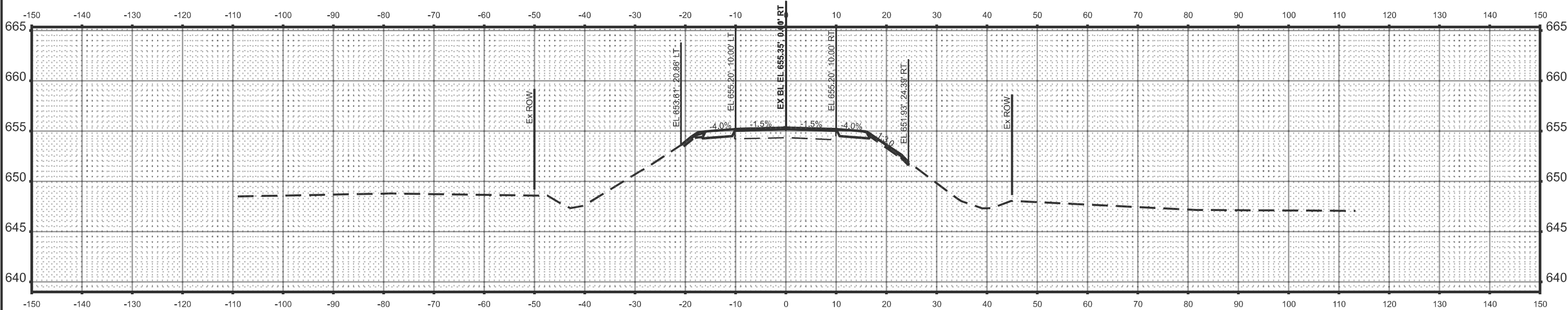
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

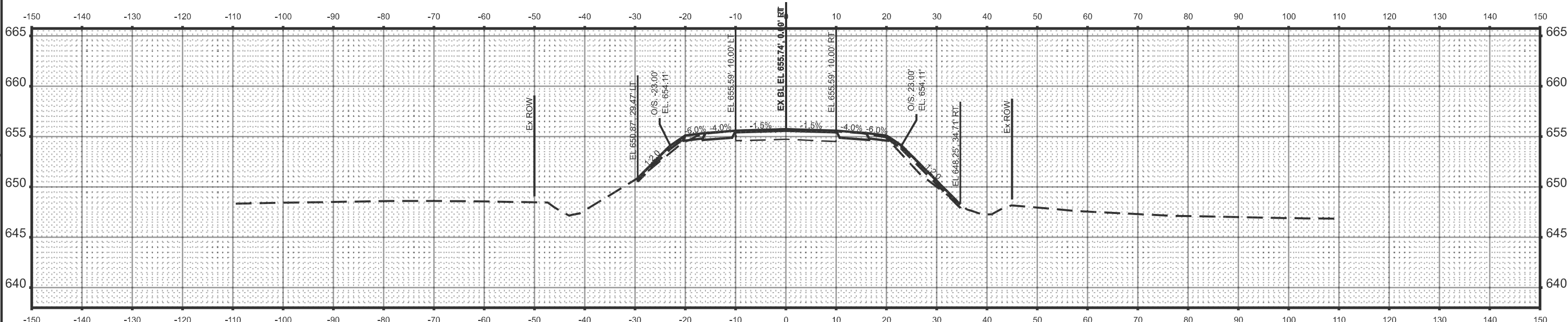
CROSS-SECTIONS

SCALE: 1"=10' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	44
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				



STA 135+50.00



STA 135+00.00

MODEL: CH31 - 135+00.00-1 [Sheet]
 FILE NAME: c:\p\work\road\hrtzel\1045435\0774653-sh-CrossSections.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

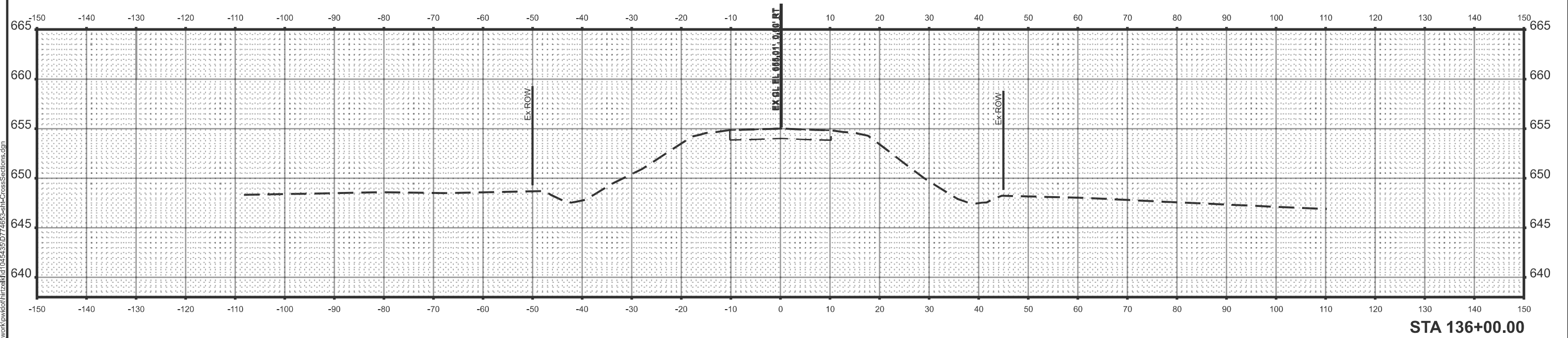
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

SCALE: 1"=10' SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	45
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				

MODEL: CH131 - 136+00.00 - 1 (Sheet)
 FILE NAME: c:\pwworking\hrtzel\10454550774653-sh-CrossSections.dgn



STA 136+00.00

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

SCALE: 1"=10' SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
674	(32Q-MFT)BR	COLES	46	46
CONTRACT NO. 74653				
ILLINOIS FED. AID PROJECT				