F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129*	1
	ILLINOIS	CONTRACT NO. 66K71		

D-93-066-24 * 129 + 2 = 131 TOTAL SHEETS
P-93-014-20

06-13-2025 LETTING ITEM 056

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAI ROUTE 80 (I–80)
SECTION (06–2HB–1)BR

IL 40 OVER I–80
BRIDGE REPLACEMENT
BUREAU COUNTY

C–93–104–24

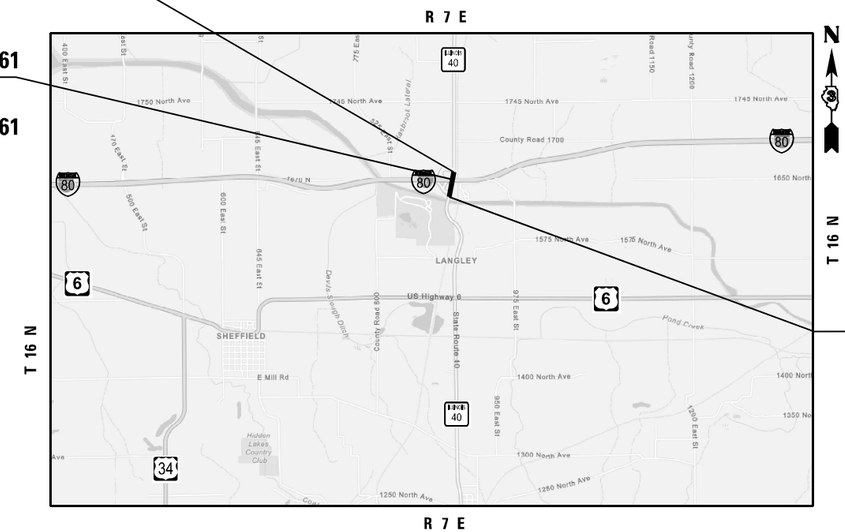
FOR INDEX OF SHEETS, SEE SHEET NO. 2

BRUCE P. SCHOPP
062-043293
LICENSED PROFESSIONAL ENGINEER
OF
ILLINOIS

03/12/2025
BRUCE SCHOPP, P.E. Date
License Expires 11/30/2025
APPLIES TO SHEETS 01 THRU 44
AND 83 THRU 129.

BEGIN IMPROVEMENT
STA 1426 + 50.00

PROJECT LOCATION
EXISTING SN 006–0089
℄ STRUCTURE STA 1432 + 62.61
PROPOSED SN 006–0192
℄ STRUCTURE STA 1432 + 62.61
IL 40 OVER I–80
284'–0" BK. TO BK. ABUTS



END IMPROVEMENT
STA 1443 + 50.00

LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 1700.00 FT. = 0.32 MILE
NET LENGTH = 1700.00 FT. = 0.32 MILE

100′ 200′ 300′ — 1″ = 100′
0 10′ 20′ 30′ — 1″ = 10′
0 50′ 100′ — 1″ = 50′
0 50′ 100′ — 1″ = 40′
0 50′ 100′ — 1″ = 30′
0 50′ 100′ — 1″ = 20′

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

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

PROJECT ENGINEER: DAVE ALEXANDER, PE
UNIT CHIEF: DARCY MITCHELL
DISTRICT 3 NO. (815) 434–6131
CONTRACT NO. 66K71

OATES ASSOCIATES

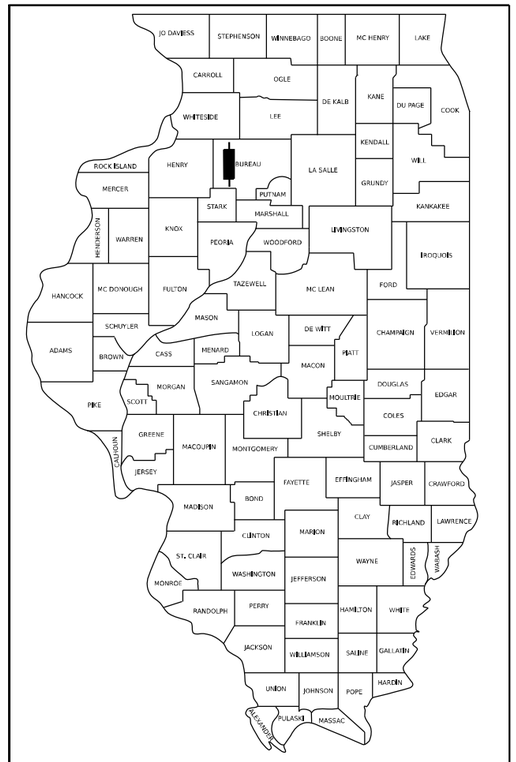
Collinsville
100 Lanter Court, Suite 1
Collinsville, IL 62234
618.345.2200

Belleville
1 South Church, Suite 200
Belleville IL 62220
618.416.4688

St. Louis
720 Olive, Suite 700
St. Louis, MO 63101
314.588.8381

St. Charles
820 South Main, Suite 309
St. Charles, MO 63301
636.493.6277

www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



LOCATION OF SECTION INDICATED THUS: –

TRAFFIC DATA

IL 40
ROADWAY CLASSIFICATION = MINOR ARTERIAL
CURRENT ADT = 3,172 (2025); 3782 (2045)
P.V. = 88.1% S.U. = 4.9% M.U. = 7.0%

I–80
ROADWAY CLASSIFICATION = INTERSTATE
CURRENT ADT = 20,776 (2025); 24,696 (2045)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 31, 20 25
Tricia Thompson MS
REGIONAL ENGINEER

May 9, 20 25
ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 20 25
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. 5/12/25 REV. 4/7/25

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES AND HIGHWAY STANDARDS
3-14	SUMMARY OF QUANTITIES
15-17	TYPICAL SECTIONS
18-19	SCHEDULE OF QUANTITIES
20	ALIGNMENT SHEET
21	REMOVAL PLAN SHEET
22-24	PLAN AND PROFILE SHEETS
25-41	TRAFFIC CONTROL PLAN
42	PAVEMENT MARKING AND SIGNAGE SHEET
43	EROSION CONTROL SHEET
44	INTERSECTION DETAILS
45-51B	LIGHTING PLANS
52-82	BRIDGE PLANS
83-91	CONSTRUCTION DETAILS
92-129	CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	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
353001-05	PCC BASE COURSE WITH HMA BINDER & SURFACE COURSES
406001-06	ENTRANCE RAMP TERMINAL
406101-05	EXIT RAMP TERMINAL
420001-10	PAVEMENT JOINTS
420101-07	24' JOINTED PCC PAVEMENT
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
482001-02	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
515001-04	NAME PLATE FOR BRIDGES
542011-02	CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" - 72" DIAMETER
630001-13	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC-HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
643001-03	SAND MODULE IMPACT ATTENUATORS
665001-02	WOVEN WIRE FENCE
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701456-05	PARTIAL RAMP CLOSURE FREEWAY EXPRESSWAY
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
821101-03	LUMINAIRE WIRING IN POLE
830001-03	LIGHT POLE ALUMINUM MAST ARM
830026-01	TEMPORARY ROADWAY LIGHTING
836001-05	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES

GENERAL NOTES

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE EXIT AND ENTRANCE RAMPS FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
BINDER (HAND METHOD)	0.0005	TONS / SQ YD
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

AMEREN ILLINOIS	FRONTIER COMMUNICATIONS
MEDIACOM	CORNBELT ELECTRIC
AT&T DISTRIBUTION	STATE OF ILLINOIS - ROADWAY LIGHTING

NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
BUREAU OF BRIDGES & STRUCTURES (BB&S)

COMMITMENTS

TREE REMOVAL ACTIVITIES WILL BE LIMITED TO THE PERIOD BETWEEN OCTOBER 1ST AND MARCH 31ST. TREES AND STUMPS WITH A DIAMETER GREATER THAN SIX INCHES SHALL BE PAID FOR AS A TREE REMOVAL (6-15 UNITS DIAMETER). ALL OTHER BRUSHES, SHRUBS, OR VEGETATION SUMPS WITH A DIAMETER LESS THAN SIX INCHES SHALL BE CONSIDERED CLEARING.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES OF CONSTRUCTION:

INSPECTORS:

MIXTURES TABLE

LOCATION(S):	IL ROUTE 40	F.A.I 80 (RAMPS)	IL ROUTE 40	IL ROUTE 40	IL ROUTE 40	IL ROUTE 40	IL ROUTE 40
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE	POLY SMA SURFACE COURSE	HOT-MIX ASPHALT BINDER COURSE	HOT-MIX ASPHALT BINDER COURSE	HMA SHOULDER, TOP LIFT, 2"	HMA SHOULDER, BOTTOM LIFT, 6"	HMA STABILIZATION, 6"
PG:	PG 64-22	PG 76-28	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndes=70	4.0% @ Ndes=80	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
MIXTURE COMPOSITION:	IL-9.5	IL-12.5	IL-9.5FG	IL-19.0	IL-9.5	IL-19.0	IL-19.0
FRICTION AGG:	MIXTURE "D"	MIXTURE "E"			MIXTURE "C"		
MIXTURE WEIGHT:	112.0 LB/SQ YD/IN	112.0 LB/SQ YD/IN	112.0 LB/SQ YD/IN	112.0 LB/SQ YD/IN	112.0 LB/SQ YD/IN	112.0 LB/SQ YD/IN	112.0 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DENSITY TEST METHOD	CORES/ NUCLEAR	CORES/ NUCLEAR	CORES/ NUCLEAR	CORES/ NUCLEAR	CORES/ NUCLEAR	CORES/ NUCLEAR	CORES/ NUCLEAR
MATERIAL TRANSFER DEVICE (REQUIRED?)	NO	NO	NO	NO	NO	NO	NO

CONSTRUCTION CODE
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE 0010 SN 006-0192
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,025	1,025
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	399	399
20200100	EARTH EXCAVATION	CU YD	2910	2,910
20400800	FURNISHED EXCAVATION	CU YD	16,890	16,890
20800150	TRENCH BACKFILL	CU YD	80	80
25000210	SEEDING, CLASS 2A	ACRE	4.75	4.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	429	429
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	429	429
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	429	429
25100115	MULCH, METHOD 2	ACRE	4.75	4.75
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	23,440	23,440
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	491	491
28000305	TEMPORARY DITCH CHECKS	FOOT	245	245
28000400	PERIMETER EROSION BARRIER	FOOT	3,134	3,134

* SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 100% STATE BRIDGE 0010 SN 006-0192
28100107	STONE RIPRAP, CLASS A4	SQ YD	4	4
28200200	FILTER FABRIC	SQ YD	4	4
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	2,512	2,512
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	9	9
31200100	STABILIZED SUBBASE 4"	SQ YD	2,512	2,512
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,166	1,166
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	5,652	5,652
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,370	4,370
40600370	LONGITUDINAL JOINT SEALANT	FOOT	525	525
40600990	TEMPORARY RAMP	SQ YD	165	165
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	70	70
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	872	872
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	725	725
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	305	305

* SPECIALTY ITEMS

CONSTRUCTION CODE
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE 0010 SN 006-0192
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	181	181
40605034	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E", N80	TON	115	115
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	105	105
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	278	278
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	2,123	2,123
42001300	PROTECTIVE COAT	SQ YD	2,123	2,123
44000100	PAVEMENT REMOVAL	SQ YD	2,413	2,413
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2,418	2,418
44004250	PAVED SHOULDER REMOVAL	SQ YD	4,688	4,688
48101200	AGGREGATE SHOULDERS, TYPE B	TON	95	95
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	23	23
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	369	369
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2,350	2,350
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1

* SPECIALTY ITEMS

MODEL: SOQ-2 [Sheet]
FILE NAME: H:\P222138 - D3 V-VWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71 - sht-SOQ.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	5
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

REV. 4/7/25

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 100% STATE BRIDGE 0010 SN 006-0192
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2
50157300	PROTECTIVE SHIELD	SQ YD	803	803
50200100	STRUCTURE EXCAVATION	CU YD	681	681
50300225	CONCRETE STRUCTURES	CU YD	310	310
50300255	CONCRETE SUPERSTRUCTURE	CU YD	646.6	646.6
50300260	BRIDGE DECK GROOVING	SQ YD	2,648	2,648
50300300	PROTECTIVE COAT	SQ YD	2,930	2,930
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1
50500505	STUD SHEAR CONNECTORS	EACH	7,155	7,155
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	222,600	222,600
50800515	BAR SPLICERS	EACH	1,193	1,193
51100100	SLOPE WALL 4 INCH	SQ YD	1,005	1,005
51200963	FURNISHING METAL SHELL PILES 16" X 0.375"	FOOT	1,901	1,901
51202305	DRIVING PILES	FOOT	1,901	1,901

* SPECIALTY ITEMS

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE NHPP BRIDGE 0010 SN 006-0192
	51203200	TEST PILE METAL SHELLS	EACH	2	2
	51204650	PILE SHOES	EACH	18	18
	51500100	NAME PLATES	EACH	1	1
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	131	131
	52100520	ANCHOR BOLTS, 1"	EACH	36	36
	52100540	ANCHOR BOLTS, 1 1/2"	EACH	18	18
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	3,486	3,486
	54263336	CONCRETE END SECTION, STANDARD 542011, 36", 1:3	EACH	2	2
	542A8221	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	FOOT	108	108
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	372	372
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	130	130
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	219	219
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	200	200
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4

* SPECIALTY ITEMS

MODEL: SOQ-4 [Sheet]
FILE NAME: H:\P\22138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-SOQ.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/12/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 5 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	7
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 100% STATE — BRIDGE 0010 SN 006-0192
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
	63200310	GUARDRAIL REMOVAL	FOOT	592	592
	63500105	DELINEATORS	EACH	4	4
	64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	3,200	3,200
	64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2
	64301090	ATTENUATOR BASE	SQ YD	48	48
*	64401100	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	700	700
*	64401300	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	2	2
*	66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	407	407
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	16	16

* SPECIALTY ITEMS

MODEL: SOQ-5 [Sheet]
FILE NAME: H:\P222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D36K71-sht-SOQ.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/12/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 6 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	8
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

REV. 5/12/25 REV. 4/8/25

CONSTRUCTION CODE
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE 0010 SN 006-0192
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18
67100100	MOBILIZATION	L SUM	1	1
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	2	2
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2	2
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	2
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	140	140
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	60	60
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	560	560
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	750	750
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	379	379

* SPECIALTY ITEMS

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 100% STATE BRIDGE 0010 SN 006-0192
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	3375	3,375
	70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	624	624
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1475	1,475
	70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	750	750
	70500615	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2	2
	70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	6	6
	70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	6	6
*	72000100	SIGN PANEL - TYPE 1	SQ FT	92	92
*	72000300	SIGN PANEL - TYPE 3	SQ FT	101	101
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	19	19
*	72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	81	81
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
	72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	1760	1,760
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	48	48

* SPECIALTY ITEMS

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 100% STATE BRIDGE 0010 SN 006-0192
	73000100	WOOD SIGN SUPPORT	FOOT	127	127
	73400100	CONCRETE FOUNDATIONS	CU YD	4	4
	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	2	2
*	73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	2	2
*	78004600	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LETTERS AND SYMBOLS	SQ FT	32	32
*	78004720	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 24"	FOOT	27	27
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	14776	14,776
*	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	240	240
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1232	1,232
*	78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	32	32
*	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	7388	7,388
*	78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	120	120
*	78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	410	410
*	78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	27	27

* SPECIALTY ITEMS

MODEL: SOQ-8 [Sheet]
FILE NAME: H:\P222138 - D3 V-VWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-SOQ.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/12/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 9 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	11
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

REV. 4/7/25

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 100% STATE; BRIDGE 0010 SN 006-0192
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	44	44
*	78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	16	16
*	78200021	HIGH TENSION CABLE MEDIAN BARRIER REFLECTORS	EACH	9	9
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	44	44
*	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	358	358
*	81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	383	383
*	81603030	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	9910	9910
*	81603038	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	2959	2959
*	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	58	58
*	83009600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM	EACH	44	44
*	83009601	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM-TWIN	EACH	7	7
*	83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	51	51
*	83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	204	204
	84200605	REMOVAL OF LIGHTING TOWER, NO SALVAGE	EACH	4	4
	84200804	REMOVAL OF POLE FOUNDATION	EACH	4	4

* SPECIALTY ITEMS

MODEL: SOQ-9 [Sheet]
FILE NAME: H:\P22138 - D3 V-VIWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-SOQ.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 10 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	12
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

REV. 5/12/25 REV. 5/7/25 REV. 4/7/25

	CONSTRUCTION CODE
	100% STATE

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE 0010 SN 006-0192
	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	403	403
*	X2300004	SPLICING HIGH TENSION CABLE (GIBRALTAR)	EACH	2	2
	X2810844	REMOVE EXISTING RIPRAP	SQ YD	20	20
	X4062952	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	252	252
	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	431	431
	X5040100	PRECAST BRIDGE APPROACH SLAB	SQ FT	3956	3956
	X5080530	BAR TERMINATORS	EACH	848	848
	X6050176	PLUG EXISTING CULVERTS	EACH	1	1
	X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	8	8
	X6350206	LINEAR DELINEATOR PANELS, 6 INCH	EACH	8	8
	X6430130	REMOVE IMPACT ATTENUATORS, STATE OWNED	EACH	2	2
	X6431110	REMOVE ATTENUATOR BASE	EACH	2	2
*	X6440112	REMOVE AND REINSTALL HIGH TENSION CABLE MEDIAN BARRIER	FOOT	700	700
*	X6440116	REMOVE HIGH TENSION CABLE MEDIAN BARRIER TERMINAL	EACH	2	2

* SPECIALTY ITEMS

MODEL: SOQ 10 [Sheet
FILE NAME: H:\P22213\8 - D3 V-VWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D368K71-sht-SOQ.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 11 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	13
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

REV. 5/12/25 REV. 4/7/25

CONSTRUCTION CODE
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE 0010 SN 006-0192
X6650208	WOVEN WIRE FENCE REMOVAL AND REPLACEMENT	FOOT	203	203
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	84	84
X7200202	ALTERNATE ROUTE SIGNING	L SUM	1	1
X7240300	SIGN REMOVAL	EACH	19	19
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0062456	TEMPORARY PAVEMENT	SQ YD	1166	1166
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	2,000	2,000

* SPECIALTY ITEMS Ø 0042

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

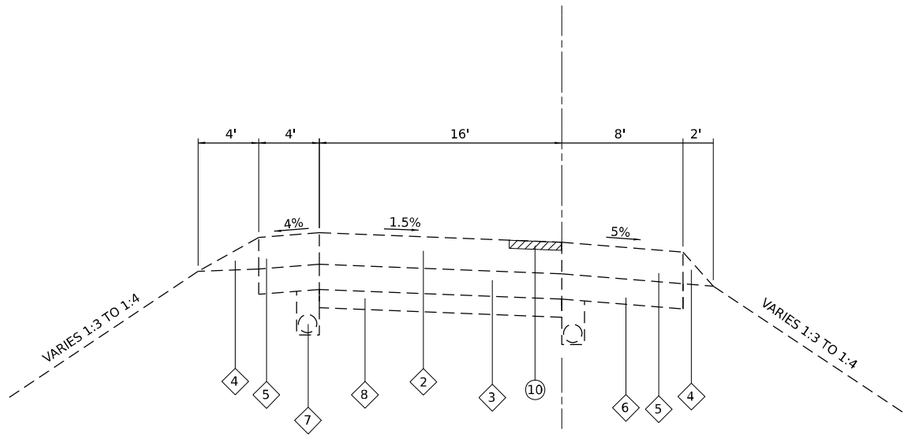
SCALE: | SHEET 12 OF 12 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	14
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

REV. 4/18/25 REV. 4/7/25

MODEL: SOQ- SHEET 11 [Sheet]
FILE NAME: H:\P222138 - D3 V-VWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-SOQ.dgn

℄ I-80 RAMPS

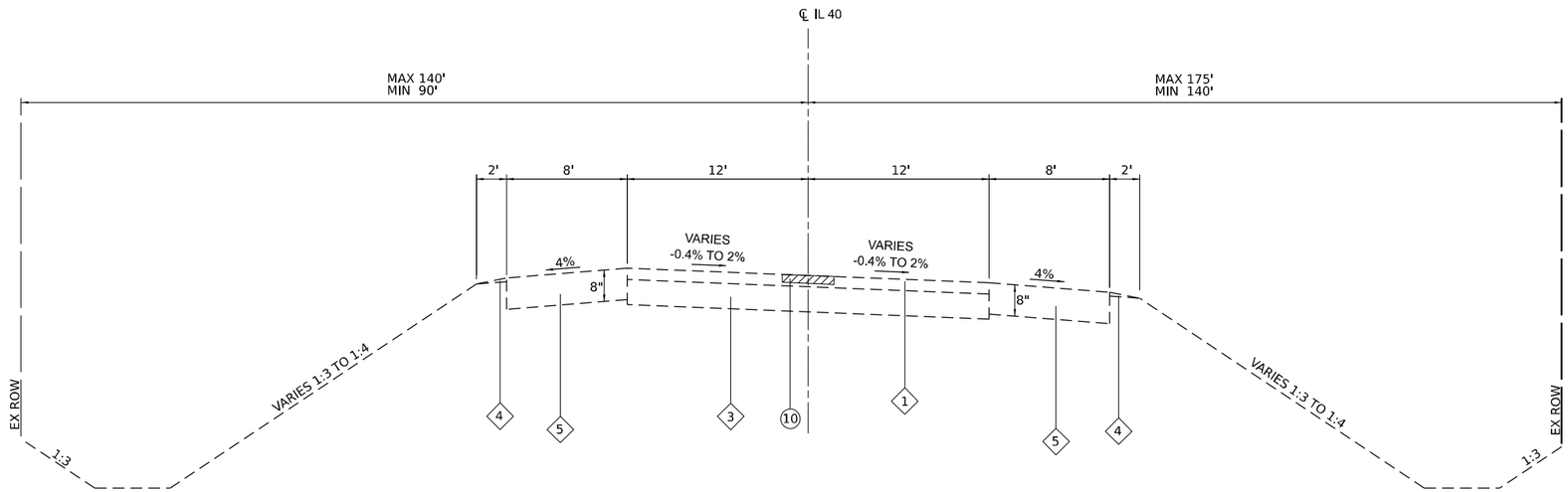


EXISTING TYPICAL SECTION
I–80 RAMPS

TYPICAL SECTIONS LEGEND

1. EXISTING HMA SURFACE 3"
2. EXISTING HMA SURFACE 9"
3. EXISTING PCC PAVEMENT, 10"
4. EXISTING AGGREGATE SHOULDER WEDGE
5. EXISTING HMA SHOULDER
6. EXISTING STABILIZED SHOULDER
7. EXISTING UNDERDRAIN 6"
8. EXISTING SUBBASE GRANULAR MATERIAL 6"
9. PROPOSED LONGITUDINAL JOINT SEALANT (LJS)
10. PROPOSED HMA SURFACE REMOVAL, 2"
11. PROPOSED HMA SURFACE COURSE, IL 9.5, MIX "D", N70, 2"
12. PROPOSED HMA BINDER COURSE, IL 9.5FG, N70, 1.25" MINIMUM AND VARIES
13. PROPOSED BITUMINOUS MATERIALS (TACK COAT)
14. PROPOSED PCC PAVEMENT 9" (JOINTED)
15. PROPOSED STABILIZED SUBBASE 4"
16. PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"
17. PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C
18. PROPOSED HMA SHOULDERS 8" (SEE MIX TABLE)
19. PROPOSED AGGREGATE SHOULDERS, TYPE B
20. PROPOSED HMA STABILIZATION 6" AT SPBGR
21. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
22. PROPOSED POLY SMA SURFACE COURSE, IL-12.5, MIX "E", N80, 2"
23. PROPOSED HMA SHOULDERS 6" (SEE MIX TABLE AND STAGING TYPICALS)

℄ IL 40



EXISTING TYPICAL SECTION
IL ROUTE 40

STA 1426+50.00 TO STA 1431+23.76
BRIDGE OMMISSION STA 1431+23.76 TO STA 1433+93.80
STA 1433+93.80 TO STA 1440+73.18
RAMP C AND D INTERSECTION OMMISSION STA 1440+73.18 TO STA 1442+84.67
STA 1442+84.67 TO STA 1443+50.00

MODEL: EXISTING TYPICAL SECTIONS-1 [Sheet]
FILE NAME: H:\P\222138 - D3 V-V\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D36K71-sht-typicals.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

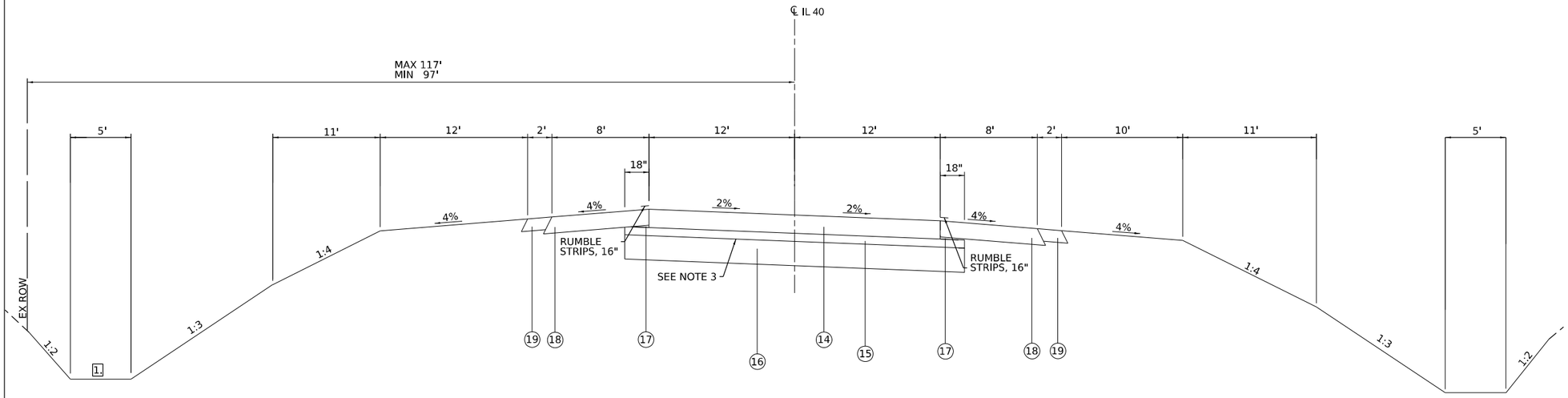
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

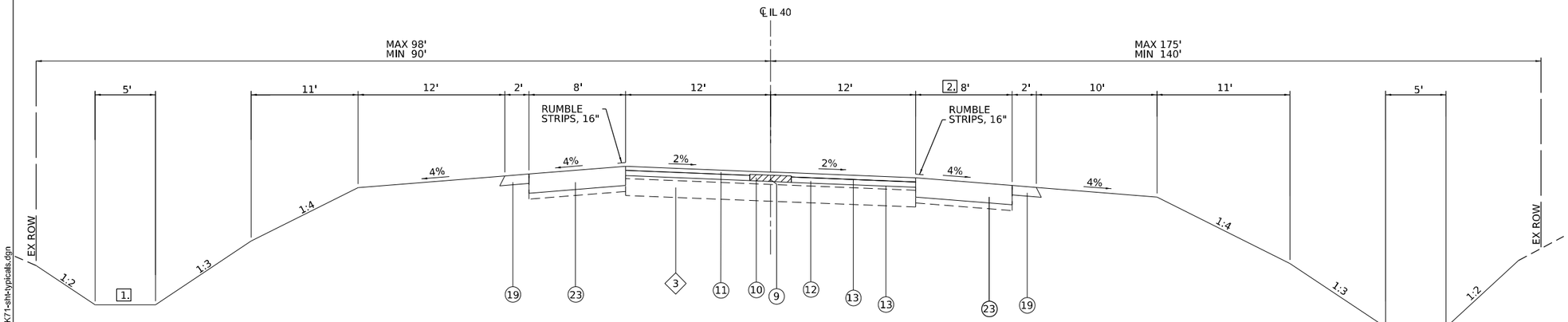
SCALE: NTS | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	15
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION
IL ROUTE 40

STA 1427+50.00 TO STA 1428+93.00
STA 1436+27.50 TO STA 1439+25.00



PROPOSED TYPICAL SECTION
IL ROUTE 40

STA 1426+50.00 TO STA 1427+50.00
STA 1439+25.00 TO STA 1440+60.00

STRUCTURAL DESIGN TRAFFIC: YEAR: 2035

PV = 2,797 SU = 156 MU = 222

ROAD/STREET CLASSIFICATION: CLASS: I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 88.1% S = 4.9% M = 7.0%

TRAFFIC FACTOR: ACTUAL = 1.60

MIN = 5.02

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

STRUCTURAL SUPPORT RATING:

SSR = POOR

TYPICAL SECTIONS LEGEND

1. EXISTING HMA SURFACE 3"
2. EXISTING HMA SURFACE 9"
3. EXISTING PCC PAVEMENT, 10"
4. EXISTING AGGREGATE SHOULDER WEDGE
5. EXISTING HMA SHOULDER
6. EXISTING STABILIZED SHOULDER
7. EXISTING UNDERDRAIN 6"
8. EXISTING SUBBASE GRANULAR MATERIAL 6"
9. PROPOSED LONGITUDINAL JOINT SEALANT (LJS)
10. PROPOSED HMA SURFACE REMOVAL, 2"
11. PROPOSED HMA SURFACE COURSE, IL 9.5, MIX "D", N70, 2"
12. PROPOSED HMA BINDER COURSE, IL 9.5FG, N70, 1.25" MINIMUM AND VARIES
13. PROPOSED BITUMINOUS MATERIALS (TACK COAT)
14. PROPOSED PCC PAVEMENT 9" (JOINTED)
15. PROPOSED STABILIZED SUBBASE 4"
16. PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"
17. PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C
18. PROPOSED HMA SHOULDERS 8" (SEE MIX TABLE)
19. PROPOSED AGGREGATE SHOULDERS, TYPE B
20. PROPOSED HMA STABILIZATION 6" AT SPBGR
21. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
22. PROPOSED POLY SMA SURFACE COURSE, IL-12.5, MIX "E", N80, 2"
23. PROPOSED HMA SHOULDERS 6" (SEE MIX TABLE AND STAGING TYPICALS)

NOTES:

1. NO DITCH FROM STA 1426+50 TO STA 1430+98.70 LT

2. PROPOSED HMA SHOULDER TRANSITIONS FROM 8' TO 19' AT
STA 1428+93.00 TO STA 1430+01.50 LT
STA 1428+99.10 TO STA 1430+09.10 RT
PROPOSED HMA SHOULDER TRANSITIONS FROM 19' TO 8' AT
STA 1435+07.20 TO STA 1436+17.20 LT
STA 1435+17.30 TO STA 1436+27.50 RT
PROPOSED HMA STABILIZATION TRANSITIONS FROM 2' TO 3' AT
STA 1428+93.00 TO STA 1430+01.50 LT
STA 1428+99.10 TO STA 1430+09.10 RT
PROPOSED HMA STABILIZATION TRANSITIONS FROM 3' TO 2' AT
STA 1435+07.20 TO STA 1436+17.20 LT
STA 1435+17.30 TO STA 1436+27.50 RT

3. PRIME COAT SHALL BE USED IF PROPOSED STABILIZED BASE IS HMA.

* LONGITUDINAL JOINT SEALANT IS PLACED UNDERNEATH THE SURFACE COURSE LIFTS.

MODEL: PR TYPICAL SECTIONS SHEET 1
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-typicals.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

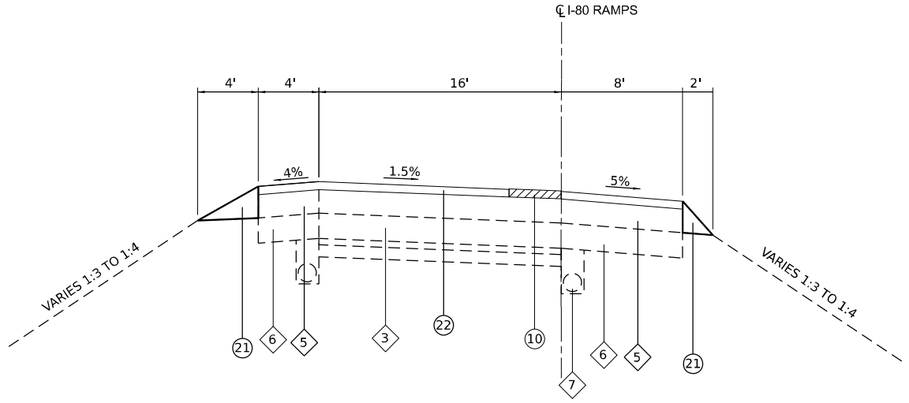
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

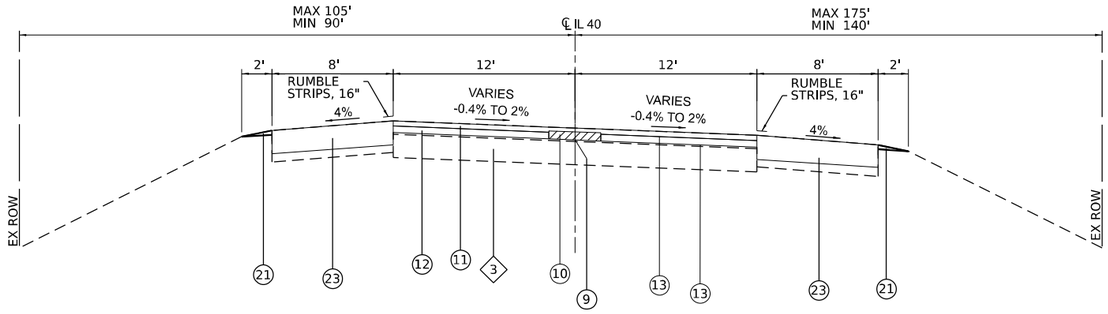
PROPOSED
TYPICAL SECTIONS

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	16
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

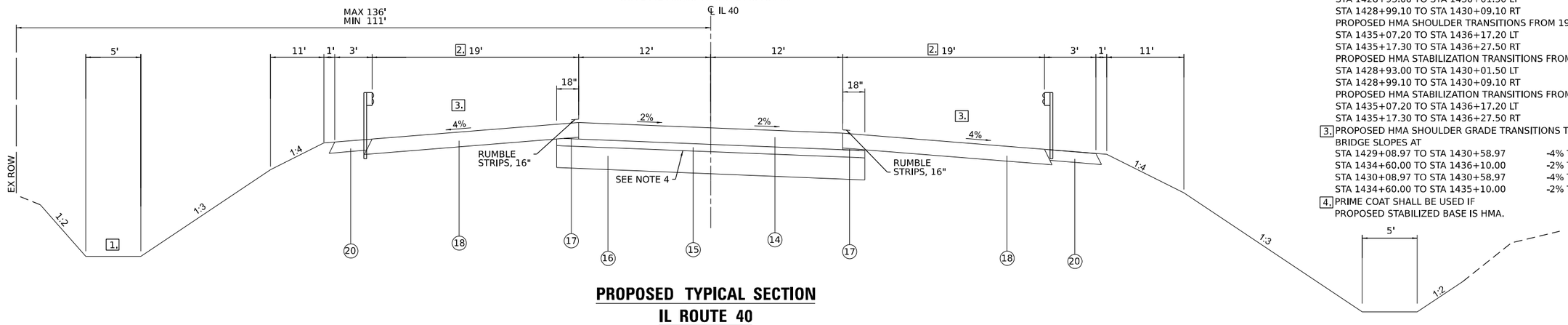


PROPOSED TYPICAL SECTION
I–80 RAMPS



PROPOSED TYPICAL SECTION
IL ROUTE 40

STA 1440+60.00 TO STA 1440+70.47
STA 1440+70.47 TO STA 1442+85.93 (RAMP OMISSION)
STA 1442+85.93 TO STA 1443+50.00



PROPOSED TYPICAL SECTION
IL ROUTE 40

STA 1428+93.00 TO STA 1430+68.97
PROPOSED PCC PAVEMENT CONNECTOR STA 1430+68.97 TO STA 1430+87.86
PROPOSED BRIDGE OMMISSION STA 1430+87.86 TO STA 1434+29.86
PROPOSED PCC PAVEMENT CONNECTOR STA 1434+29.86 TO STA 1434+50.00
STA 1434+50.00 TO STA 1436+27.50

TYPICAL SECTIONS LEGEND

1. EXISTING HMA SURFACE 3"
2. EXISTING HMA SURFACE 9"
3. EXISTING PCC PAVEMENT, 10"
4. EXISTING AGGREGATE SHOULDER WEDGE
5. EXISTING HMA SHOULDER
6. EXISTING STABILIZED SHOULDER
7. EXISTING UNDERDRAIN 6"
8. EXISTING SUBBASE GRANULAR MATERIAL 6"
9. PROPOSED LONGITUDINAL JOINT SEALANT (LJS)
10. PROPOSED HMA SURFACE REMOVAL, 2"
11. PROPOSED HMA SURFACE COURSE, IL 9.5, MIX "D", N70, 2"
12. PROPOSED HMA BINDER COURSE, IL 9.5FG, N70, 1.25" MINIMUM AND VARIES
13. PROPOSED BITUMINOUS MATERIALS (TACK COAT)
14. PROPOSED PCC PAVEMENT 9" (JOINTED)
15. PROPOSED STABILIZED SUBBASE 4"
16. PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"
17. PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C
18. PROPOSED HMA SHOULDERS 8" (SEE MIX TABLE)
19. PROPOSED AGGREGATE SHOULDERS, TYPE B
20. PROPOSED HMA STABILIZATION 6" AT SPBGR
21. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
22. PROPOSED POLY SMA SURFACE COURSE, IL-12.5, MIX "E", N80, 2"
23. PROPOSED HMA SHOULDERS 6" (SEE MIX TABLE AND STAGING TYPICALS)

NOTES:

1. NO DITCH FROM STA 1426+50 TO STA 1430+98.70 LT
2. PROPOSED HMA SHOULDER TRANSITIONS FROM 8' TO 19' AT
   STA 1428+93.00 TO STA 1430+01.50 LT
   STA 1428+99.10 TO STA 1430+09.10 RT
   PROPOSED HMA SHOULDER TRANSITIONS FROM 19' TO 8' AT
   STA 1435+07.20 TO STA 1436+17.20 LT
   STA 1435+17.30 TO STA 1436+27.50 RT
   PROPOSED HMA STABILIZATION TRANSITIONS FROM 2' TO 3' AT
   STA 1428+93.00 TO STA 1430+01.50 LT
   STA 1428+99.10 TO STA 1430+09.10 RT
   PROPOSED HMA STABILIZATION TRANSITIONS FROM 3' TO 2' AT
   STA 1435+07.20 TO STA 1436+17.20 LT
   STA 1435+17.30 TO STA 1436+27.50 RT
3. PROPOSED HMA SHOULDER GRADE TRANSITIONS TO MATCH BRIDGE SLOPES AT

STA 1429+08.97 TO STA 1430+58.97	-4% TO +2% LT
STA 1434+60.00 TO STA 1436+10.00	-2% TO +4% LT
STA 1430+08.97 TO STA 1430+58.97	-4% TO -2% RT
STA 1434+60.00 TO STA 1435+10.00	-2% TO -4% RT

4. PRIME COAT SHALL BE USED IF PROPOSED STABILIZED BASE IS HMA.

* LONGITUDINAL JOINT SEALANT IS PLACED UNDERNEATH THE SURFACE COURSE LIFTS.

MODEL: PR TYPICAL SECTIONS SHEET 2
FILE NAME: H:\P222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-typicals.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: NTS | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	17
		CONTRACT NO. 66K71		
		ILLINOIS	FED. AID PROJECT	

EARTHWORK SCHEDULE

STATION	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	FURNISHED EXCAVATION (CU YD)
1425+50	1426+50	25	15	365	-350	350
1426+50	1428+50	153	114	3,368	-3,254	3,254
1428+50	1431+00	290	218	7,959	-7,741	7,741
1434+50	1436+50	1,410	1,058	3,867	-2,810	2,810
1436+50	1438+50	728	546	2,276	-1,730	1,730
1440+50	1443+50	304	228	1,231	-1,003	1,003
TOTAL		2,910	2,180	19,070	-16,890	16,890

EARTHWORK NOTES:

1. ESTIMATED SHRINKAGE FACTOR = 25%.
2. APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.
3. APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.

SIGN SCHEDULE

STATION	OFFSET	TYPE	DESCRIPTION	SIZE (IN X IN)	SIGN PANEL T1 (SQ FT)	SIGN PANEL T3 (SQ FT)	REM SIGN PAN ASSY TA (EACH)	REM SIGN PAN T3 (SQ FT)	STR STL SIGN SUP BA (POUND)	TELES STL SIGN SUPPORT (FOOT)	WOOD SIGN SUPPORT (FOOT)	CONC FOUNDATION (CU YD)	RM GRND MNT S SUP (EACH)	REM CONC FDN-GR MT (EACH)	SIGN REMOVAL (EACH)
IL 40															
1425+44	LT							81					2	2	
1425+60	LT	W16X45	DIAGRAMATIC			101			1760			4			
1428+13	RT	R2-1	SPEED LIMIT	30 X 36	7.50		1				15				1
1429+95	LT	R2-1	SPEED LIMIT	30 X 36	7.50		1				15				1
1430+63	RT	M3-2	EAST	24 X 12	2.00		1								1
	RT	M1-1	I-80	24 X 24	4.00		1				17				1
	RT	M5-1	RIGHT ARROW	21 X 15	2.25		1								1
1434+52	LT	M3-4	WEST	24 X 12	2.00		1								1
	LT	M1-1	I-80	24 X 24	4.00		1				17				1
	LT	M5-1	LEFT ARROW	21 X 15	2.25		1								1
1440+97	LT	M3-2	EAST	24 X 12	2.00		1								1
	LT	M1-1	I-80	24 X 24	4.00		1				17				1
	LT	M6-1	LEFT ARROW	21 X 15	2.25		1								1
1442+87	LT	M3-3	SOUTH	24 X 12	2.00		1				15				1
	LT	M1-1100	IL 40	24 X 24	4.00		1								1
RAMP D ALIGNMENT															
14+12	LT	R4-7	KEEP RIGHT	24 X 30	7.50		1				15				1
14+19	LT	R5-1	DO NOT ENTER	36 X 36	9.00		1			16					1
14+20	RT	R5-1	DO NOT ENTER	36 X 36	9.00		1			16					1
14+65	RT	R5-1	DO NOT ENTER	36 X 36	9.00		1			16					1
14+90	LT	R6-1	ONE WAY	36 X 12	3.00		1				16				1
	LT	R1-1	STOP SIGN	30 X 30	9.00		1								1
TOTAL					92	101	19	81	1,760	48	127	4	2	2	19

PAVEMENT MARKING SCHEDULE

STATION	STATION	LOCATION	OFFSET	SHORT TERM PAVT MKING (FOOT)	SHRT TRM PAVT MK REM (SQ FT)	PREF PL PM TD STD LETTERS & SYMBOLS (SQ FT)	PREF PL PM TD STD L24 (FOOT)	MOD URETH PM LINE 4 (FOOT)	MOD URETH PM LINE 8 (FOOT)	MOD URETH PM LINE 12 (FOOT)	GRV RCSD PM LTR & SYM (SQ FT)	GRV RCSD PVT MRKG 5 (FOOT)	GRV RCSD PVT MRKG 9 (FOOT)	GRV RCSD PVT MRKG 13 (FOOT)	GRV RCSD PVT MRKG 25 (FOOT)	RAISED REFL PAVT MKR (EACH)	RAISED REF PVT MK REM (EACH)
1426+50	1443+50	IL 40	CL	341	171			6,800				3,400				44	44
1426+50	1430+88	IL 40	LT/RT	90	46			1,752				876					
1430+88	1434+30	IL 40	LT/RT	70	36			1,368				684					
1434+30	1443+50	IL 40	LT/RT	158	80			3,264				1,632					
1441+82	1442+21	IL 40	RT	8	4	32	27				32				27		
00+12	01+00	RAMP C	LT/RT	24	12			1,198				599					
14+17	15+03	RAMP D	LT/RT	21	11			394	240	820		197	120	410			
ISLAND				38	19					412							
TOTAL				750	379	32	27	14,776	240	1,232	32	7,388	120	410	27	44	44

PAVEMENT SCHEDULE

STATION	STATION	OFFSET	SUB GRAN MAT A 12 (SQ YD)	SUB GRAN MAT TY C (CU YD)	STAB SUBBASE 4 (SQ YD)	BIT MATLS PRIME CT (POUND)	BIT MATLS TACK CT (POUND)	LONG JOINT SEALANT (FOOT)	TEMPORARY RAMP (SQ YD)	HMA BC IL-9.5FG N70 (TON)	HMA BC IL-19.0 N50 (TON)	HMA BC IL-19.0 N70 (TON)	HMA SC IL-9.5 C N50 (TON)	HMA SC IL-9.5 D N70 (TON)	P SC SMA 12.5 E N80 (TON)
1426+50	1427+50	LT/RT					403	100	36	7	40	42	20	36	
1427+50	1430+69	LT/RT	966	5	966	2,174	1,071		44		287	239	100	0	
1430+69	1439+25	LT/RT	1,546	4	1,546	3,478	1,471				375	315	125	0	
1439+25	1443+50	LT/RT					1,425	425	36	63	170	129	60	145	
00+92	01+00	RAMP C							25						64
14+16	14+24	RAMP D							25						51
TOTAL			2,512	9	2,512	5,652	4,370	525	165	70	872	725	305	181	115

PAVEMENT SCHEDULE CONTINUED

STATION	STATION	OFFSET	INCIDENTAL HMA (TON)	PVT CON PCC BR APP SL (SQ YD)	PCC PVT 9 JOINTED (SQ YD)	PROTECTIVE COAT (SQ YD)	PAVEMENT REM (SQ YD)	HMA SURF REM 2" (SQ YD)	PAVED SHLD REMOV (SQ YD)	AGGREGATE SHLDS B (TON)	AGG WEDGE SHLD TYPE B (TON)	HMA SHOULDER 6" (SQ YD)	HMA SHOULDER 8" (SQ YD)	SHOULDER RUM STRIP 16 (FOOT)	HMA STAB 6 AT STBGR (SQ YD)
1426+50	1427+50	LT/RT	18					287	191	14		177	427	200	
1427+50	1430+69	LT/RT	18		851	851	851		1,605	20			427	638	104
1430+69	1439+25	LT/RT	19	278	1,272	1,272	1,562		2,116	61			1,117	1,712	148
1439+25	1443+50	LT/RT	18					2,131	776		18	192	378	650	
00+92	01+00	RAMP C	16								5				
14+16	14+24	RAMP D	16												
TOTAL			105	278	2,123	2,123	2,413	2,418	4,688	95	23	369	2,350	3,200	252

SEEDING SCHEDULE

STATION	STATION	OFFSET	SEEDING CL 2A (ACRE)	NITROGEN FERT NUTR (POUND)	PHOSPHOROUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)	MULCH METHOD 2 (ACRE)
1426+50	1431+57	LT	1.00	90	90	90	1.00
1426+50	1431+77	RT	1.00	90	90	90	1.00
1434+01	1440+70	LT	1.25	113	113	113	1.25
1433+68	1441+17	RT	1.25	113	113	113	1.25
474+39	475+96	LT/RT	0.25	23	23	23	0.25
TOTAL			4.75	429	429	429	4.75

ATTENUATOR SCHEDULE

STATION	OFFSET	IMP ATTEN NRD TL3 (EACH)	ATTENUATOR BASE (SQ YD)	REM IMP ATTEN SO (EACH)	REM ATTEN BASE (EACH)
1432+58	LT	1	24	1	1
1432+67	RT	1	24	1	1
TOTAL		2	48	2	2

EROSION CONTROL SCHEDULE

STATION	STATION	OFFSET	HD EROS CONTR BLANKET (SQ YD)	TEMP EROS CONTR SEED (POUND)	TEMP DITCH CHECKS (FOOT)	PERIMETER EROS BAR (FOOT)
1426+50	1431+57	LT	4,651	90		631
1426+50	1431+77	RT	5,568	113	60	685
1434+01	1440+70	LT	6,184	135	77	839
1433+68	1441+17	RT	6,249	135	108	887
474+39	475+96	LT/RT	788	18		92
TOTAL			23,440	491	245	3,134

TREE REMOVAL SCHEDULE

STATION	STATION	OFFSET	TREE REMOV 6-15 (UNITS)	TREE REMOV OVER 15 (UNITS)
1428+71	1431+11	LT	156	35
1429+72	1431+00	RT	62	
1433+94	1435+51	RT	167	104
1434+09	1437+17	LT	246	70
1435+69	1439+40	RT	197	154
1437+26	1440+37	LT	197	36
TOTAL			1,025	399

STAGING SCHEDULE

STATION	STATION	OFFSET	AGG BASE CSE B 4 (SQ YD)	TEMP SOIL RETEN SYSTM (SQ FT)	TEMP RUMBLE STRIPS (EACH)	TEMP CONC BARRIER (FOOT)	HT CBL MEDIAN BARRIER (FOOT)	HT CBL MED BAR TERM (EACH)	PIN TEMP CONC BARRIER (EACH)	REL TEMP CONC BARRIER (FOOT)	IMP ATTN TEMP NRD TL3 (EACH)	IMP ATTN REL NRD TL3 (EACH)	HT CBL MED BAR REF (EACH)	TEMP SPBGR TY A (FOOT)	TEMP TBT TY 1 (EACH)	ALT ROUTE SIGNING (L SUM)	SPLC HIGH TC (GILBRALTAR) (EACH)	REM HT CBL MEDIAN BAR (FOOT)	REM HTC MED BAR TERM (EACH)	TEMP INFO SIGNING (SQ FT)	TEMP PAVEMENT (SQ YD)
1425+35	1428+32	LT	425		30						1	1									425
1425+45	1441+30	LT/RT				1,600			624	1,475	1	1									
1426+21	1430+72	RT	168											237.50	1						168
1426+50																				21	
1429+00	1435+50	LT/RT		2,982																	
1432+58		LT																			
1432+67		RT																			
1434+38	1439+50	RT												512.50	1						
1438+89	1439+25	LT/RT		504																	
1441+50	1441+83	RT	573																		573
1442+03																					
1443+50					30															21	
471+00	476+82	RT				875					2	2								21	
474+68	479+00	LT				900	700	2			2	2	9			1	2	700	2	21	
TOTAL			**1,166**	**3,486**	**60**	**3,375**	**700**	**2**	**624**	**1,475**	**6**	**6**	**9**	**750**	**2**	**1**	**2**	**700**	**2**	**84**	**1,166**

GUARDRAIL SCHEDULE

STATION	STATION	OFFSET	SPBGR TY A 6FT POSTS (FOOT)	TRAF BAR TERM T6 (EACH)	TR BAR TRM T1 SPL TAN (EACH)	GUARDRAIL REMOV (FOOT)	DELINEATORS (EACH)	TERMINAL MARKER-DA (EACH)	GRDRAIL REF TYPE B (EACH)	LINEAR DELIN PANELS 4 (EACH)	LINEAR DELIN PANELS 6 (EACH)
474+82		RT	100			100					
475+05		LT	100			100					
1425+45	1440+76	LT/RT									
1430+12	1431+23	LT				101			4	2	
1430+19	1431+27	RT				104			4	2	
1430+99	1434+10	LT		2	2		2	2			4
1431+07	1434+20	RT		2	2		2	2			4
1433+92	1434+97	LT				96			4	2	
1433+96	1435+07	RT				91			4	2	
TOTAL			**200**	**4**	**4**	**592**	**4**	**4**	**16**	**8**	**8**

PERMANENT SURVEY MARKER SCHEDULE

MONUMENT NUMBER	DESCRIPTION	APPROXIMATE LOCATION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
080015	TIES ONLY FOR E QTR CORNER OF SECTION 9, T16N, R7E, 4TH PM	E SIDE OF ILL RTE 40	N/A	N/A	TO BE DETERMINED	2

ONLY THE ORIGINAL SCOPE OF THIS JOB HAS BEEN SEARCHED FOR MONUMENTS. R.E. MUST INFORM PLATS AND PLANS TO SEARCH FOR ADDITIONAL MONUMENTS PRIOR TO CONSTRUCTION IF ADDENDUMS HAVE BEEN ADDED TO THIS JOB.

UNKNOWN MONUMENTS MAY EXIST. IF AN UNLISTED MONUMENT IS FOUND, R.E. IS REQUIRED TO PROTECT THE MONUMENT FROM DAMAGE UNTIL A PLATS AND PLANS LAND SURVEYOR CAN DOCUMENT THE MONUMENT. PLATS AND PLANS WILL RESET SUCH MONUMENTS IN KIND FOLLOWING CONSTRUCTION.

R.E. WILL INFORM PLATS AND PLANS WHEN WHEN CONSTRUCTION IS COMPLETE FOR THE PURPOSE OF RESETTING 080015 SECTION CORNER TIES, IF DESTROYED.

RESPONSIBILITY:

1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)

2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

EXIST. CURVE EXCL_IL40_3
PI STA. = 1432+59.98
Δ = 16° 27' 57" (RT)
D = 0° 42' 00"
R = 8,185.55'
T = 1,184.36'
L = 2,352.39'
E = 85.24'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 1420+75.62
P.T. STA. = 1444+28.01

0 100 200 300
SCALE IN FEET

POT Sta 1415+00.00
PC Sta 1420+75.62
PI Sta 1432+59.98
1415+00
1420+00
1425+00
1430+00
1435+00
1440+00
1445+00
℄ IL ROUTE 40

PT Sta 1444+28.01
EQUATION:
Sta 1444+28.03 BK =
Sta 1444+31.66 AH

DESCRIPTION	NORTHING	EASTING
IL 40		
POT STA 1415+00.00	1,721,317.84	2,428,714.23
PC STA 1420+75.62	1,720,742.23	2,428,717.43
PI STA 1432+59.98	1,719,557.88	2,428,724.01
PT STA 1444+28.01	1,718,420.25	2,428,394.62
POT STA 1447+17.56	1,718,145.61	2,428,315.10
PC STA 1448+89.80	1,717,980.16	2,428,267.20
PI STA 1456+16.30	1,717,282.33	2,428,065.15
PT STA 1461+84.24	1,716,802.91	2,428,611.02
PC STA 1465+19.70	1,716,581.55	2,428,863.07

EXIST. CURVE EXCL_IL40_8
PI STA. = 1456+16.30
Δ = 64° 51' 21" (LT)
D = 5° 00' 37"
R = 1,143.55'
T = 726.50'
L = 1,294.44'
E = 211.26'
e = ____
T.R. = ____
S.E. RUN = ____
P.C. STA. = 1448+89.80
P.T. STA. = 1461+84.24

POT Sta 1465+19.70
PT Sta 1461+84.24
PC Sta 1448+89.80
POT Sta 1447+17.56
1465+00
1460+00
1455+00
1450+00
1445+00

CUT "X" TOP CURB
AT ISLAND AT TOP
OF I-80 W.B. RAMP
8.55'

1426
℄ IL 40
N

CP 3 – STA 1426+07.02, 22.45' RT

1432
℄ IL 40
CUT "X"
19.36'
15.62'
19.63'
CUT "X" TOP
HUB GUARD
N

POC ℄ S.N. 006–0089
STA 1432+62.61

CUT "X"
CENTER
GR BOLT
℄ IL 40
38.80'
1435+00
6.56'
NBC WOOD
GR POST (TYP.)
3.03'
MAG NAIL IN
BIT. SHOULDER
N

CP 2 – STA 1434+92.60, 18.82' LT

1438
℄ IL 40
NBC WOOD
SIGN POST
4.00'
67.92'
5/8" REBAR W/CAP
IN SHOULDER
7.44'
MAG NAIL
IN SHOULDER
N

POBT STA 1438+18.07, 22.77' LT

PI Sta 1456+16.30

1444
℄ IL 40
NBC WOOD
GR POST
24.31'
MAG
NAIL
27.99'
74.57'
NBC WOOD
SIGN POST
NBC WOOD
GR POST
N

PT STA EQ. 1444+28.04(BK) = 1444+31.66(AH)

NBC WOOD
SIGN POST
℄ IL 40
66.69'
MAG NAIL IN
BIT. SHOULDER
4.84'
8.92'
NBC WOOD
GR POST (TYP.)
N

CP 1 – STA 1444+95.46, 19.63' LT

1447
℄ IL 40
CUT "X"
20.74'
16.22'
20.54'
CUT "X" FACE OF
PARAPET (TYP.)
N

POT STA 1447+17.56
℄ S.N. 006–0090

MAG NAIL
℄ IL 40
1449
23.59'
16.22'
20.54'
CUT "X" CENTER
GR BOLT (TYP.)
N

PC STA 1448+89.90

MODEL: Alignment sheet [Sheet]
FILE NAME: H:\P22138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D368K71-sht-ATB.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

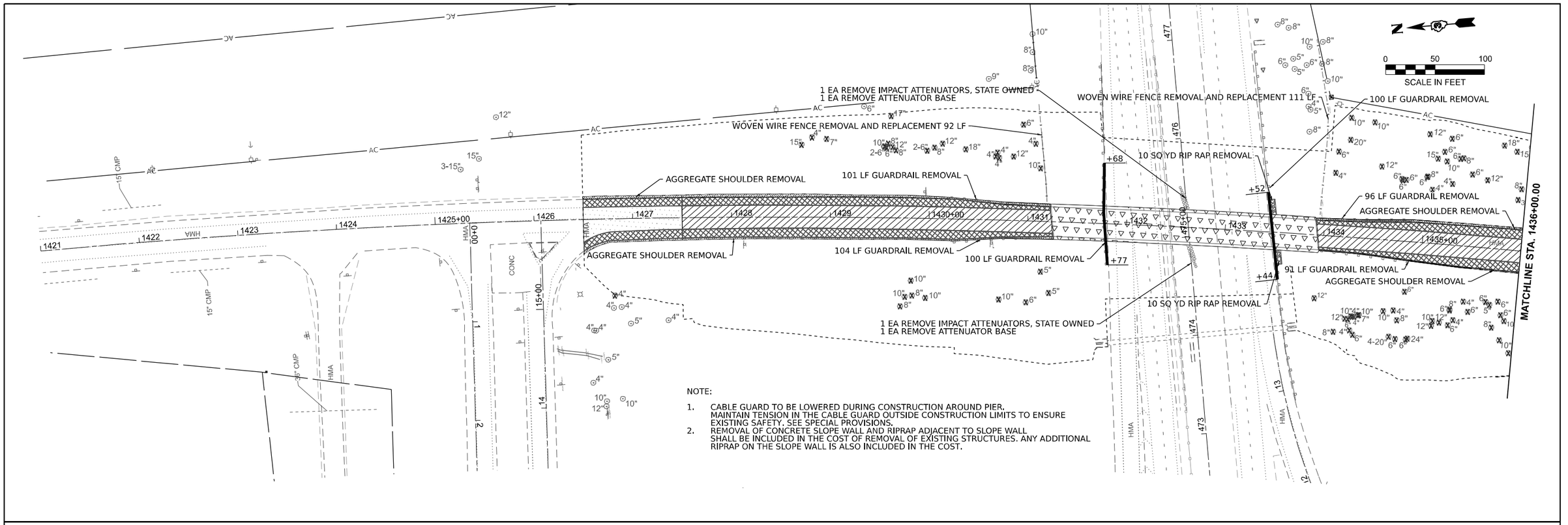
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT SHEET

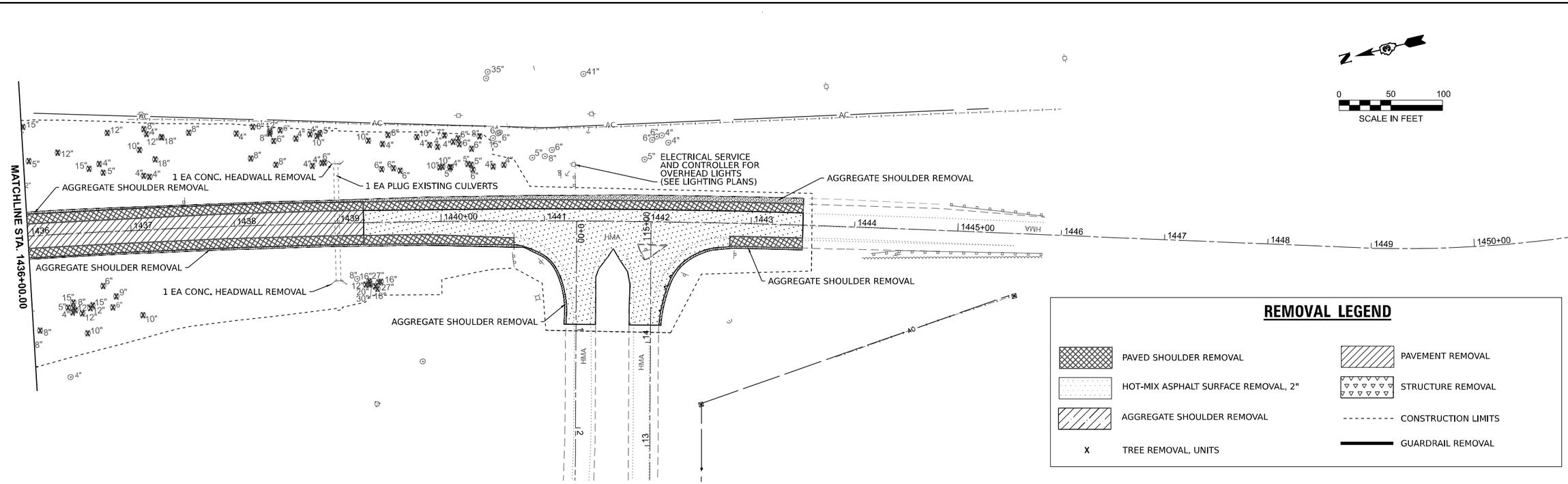
SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	20
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



NOTE:

1. CABLE GUARD TO BE LOWERED DURING CONSTRUCTION AROUND PIER. MAINTAIN TENSION IN THE CABLE GUARD OUTSIDE CONSTRUCTION LIMITS TO ENSURE EXISTING SAFETY. SEE SPECIAL PROVISIONS.
2. REMOVAL OF CONCRETE SLOPE WALL AND RIPRAP ADJACENT TO SLOPE WALL SHALL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES. ANY ADDITIONAL RIPRAP ON THE SLOPE WALL IS ALSO INCLUDED IN THE COST.



REMOVAL LEGEND

- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- AGGREGATE SHOULDER REMOVAL
- X TREE REMOVAL, UNITS
- PAVEMENT REMOVAL
- STRUCTURE REMOVAL
- CONSTRUCTION LIMITS
- GUARDRAIL REMOVAL

MODEL: Ex-IL40 - REMOVALS [Sheet]
FILE NAME: H:\P222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-removals 1.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

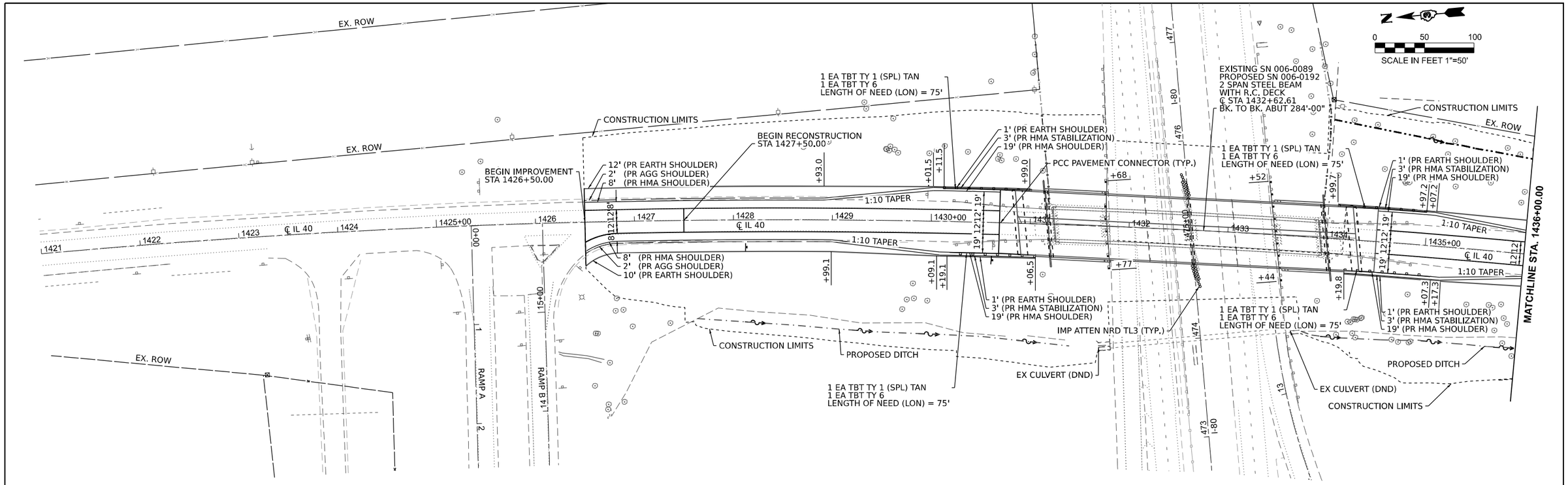
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/12/2025	DATE -	REVISED -

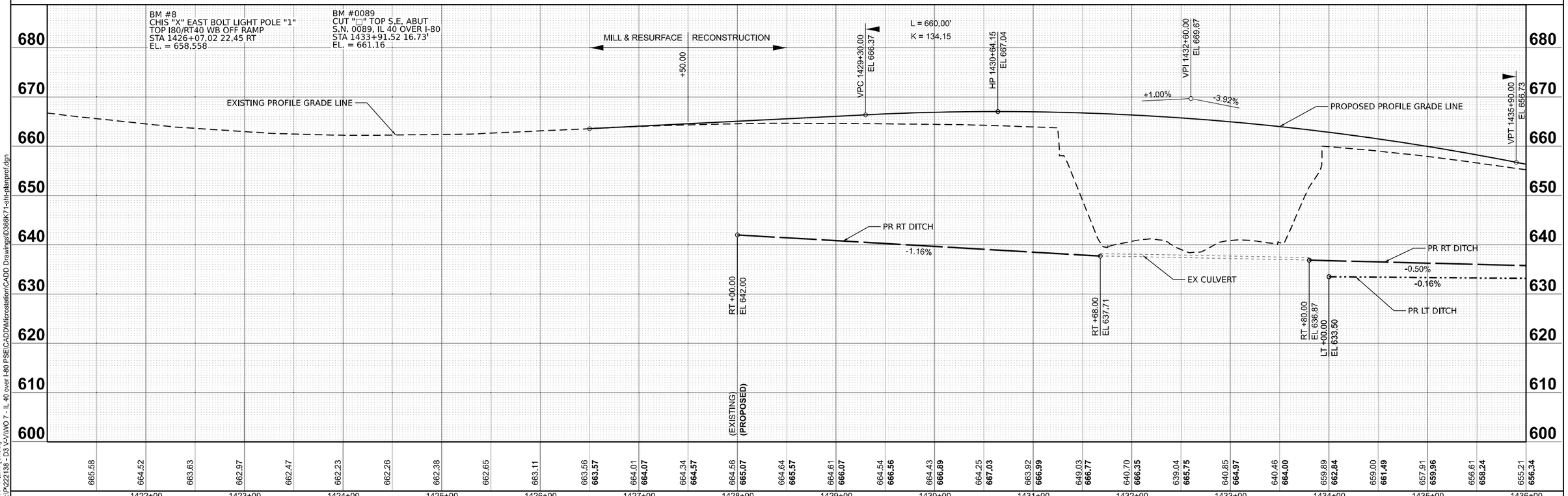
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN SHEET

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 1421+00.00 | TO STA. 1451+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	21
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		





MODEL: Ex-IL40 - Plan1 [Sheet]
FILE NAME: H:\P222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-planprof.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

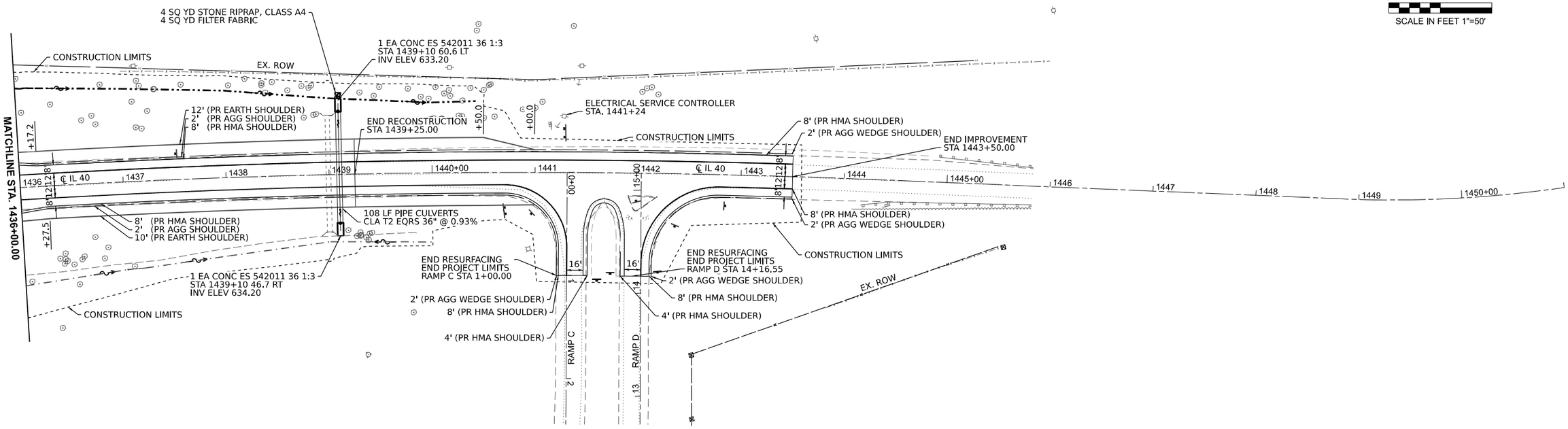
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

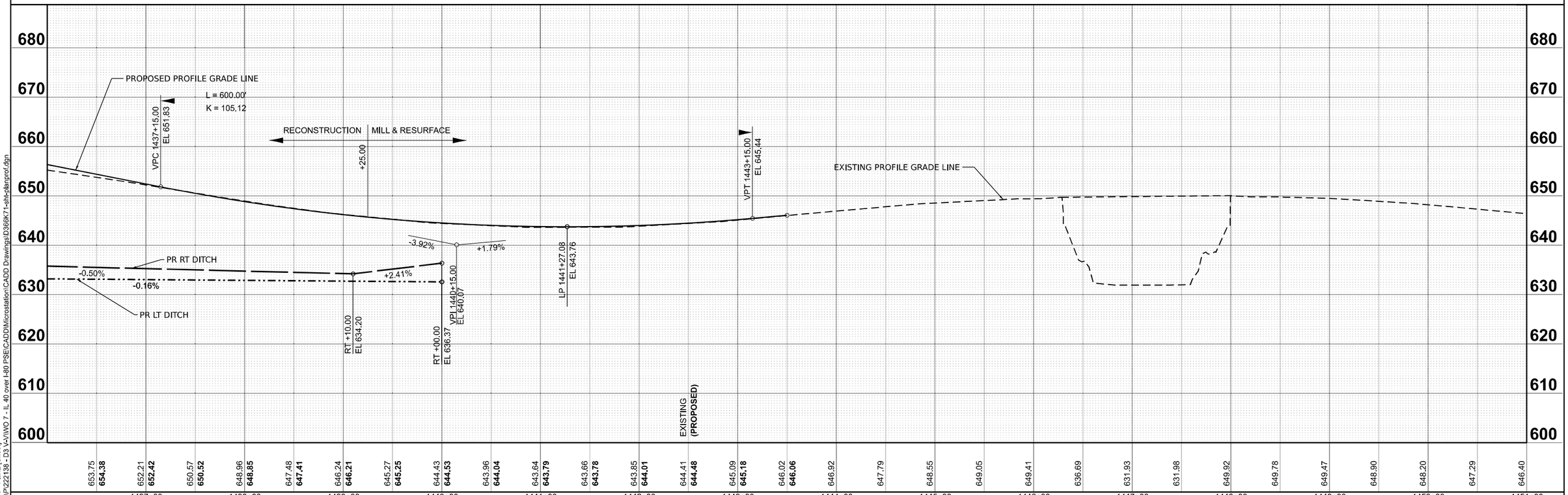
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE SHEETS

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. 1421+00.00 | TO STA. 1436+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	22
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			





MODEL: Ex-IL40 - Plan2 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-planprof.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

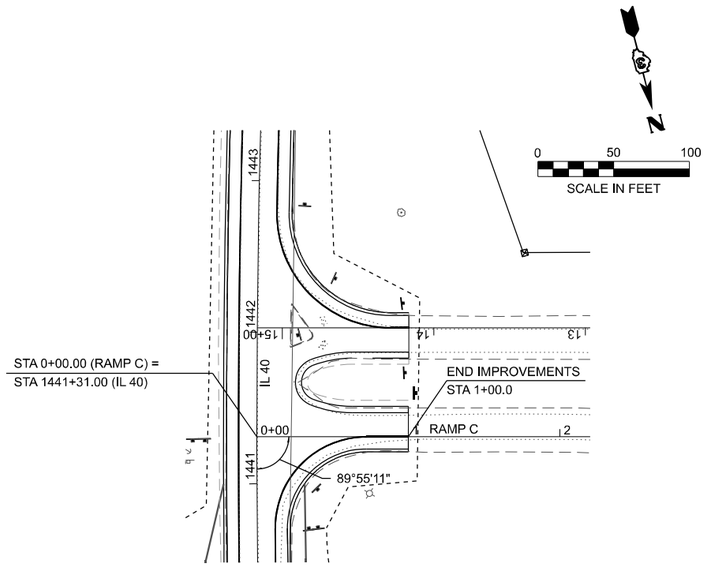
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

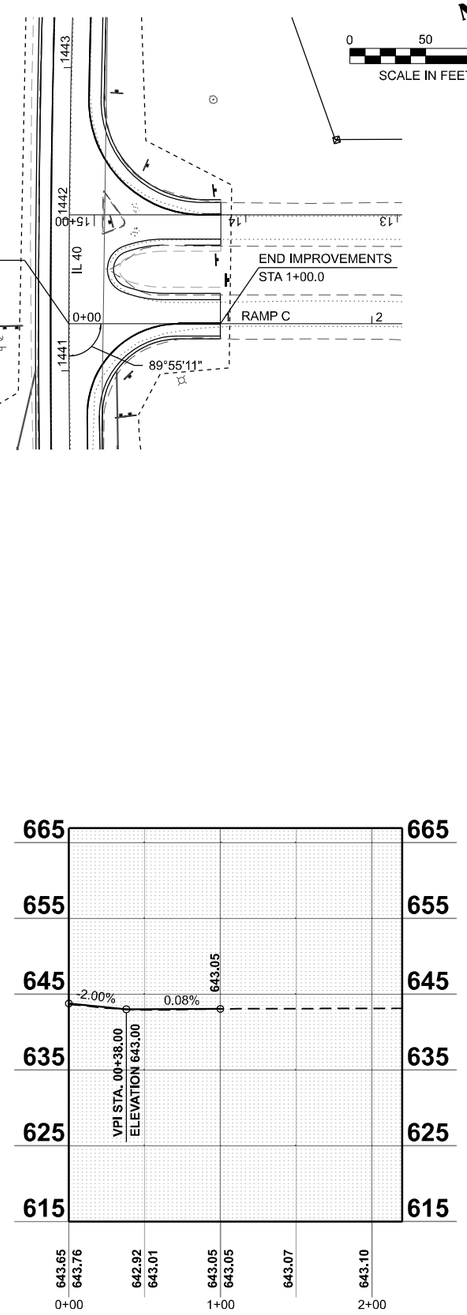
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

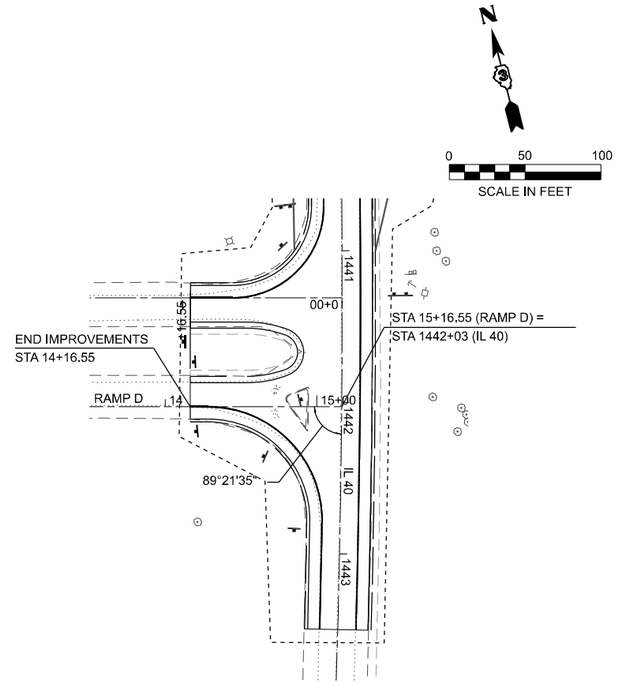
PLAN AND PROFILE SHEETS

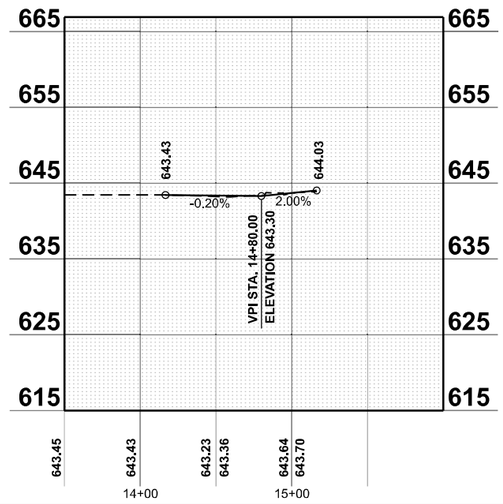
SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. 1436+00.00 | TO STA. 1451+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	23
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			









MODEL: EX RAMP C - Plan 2 [Sheet]
FILE NAME: H:\P222138 - D3 VJ\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-planprof.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

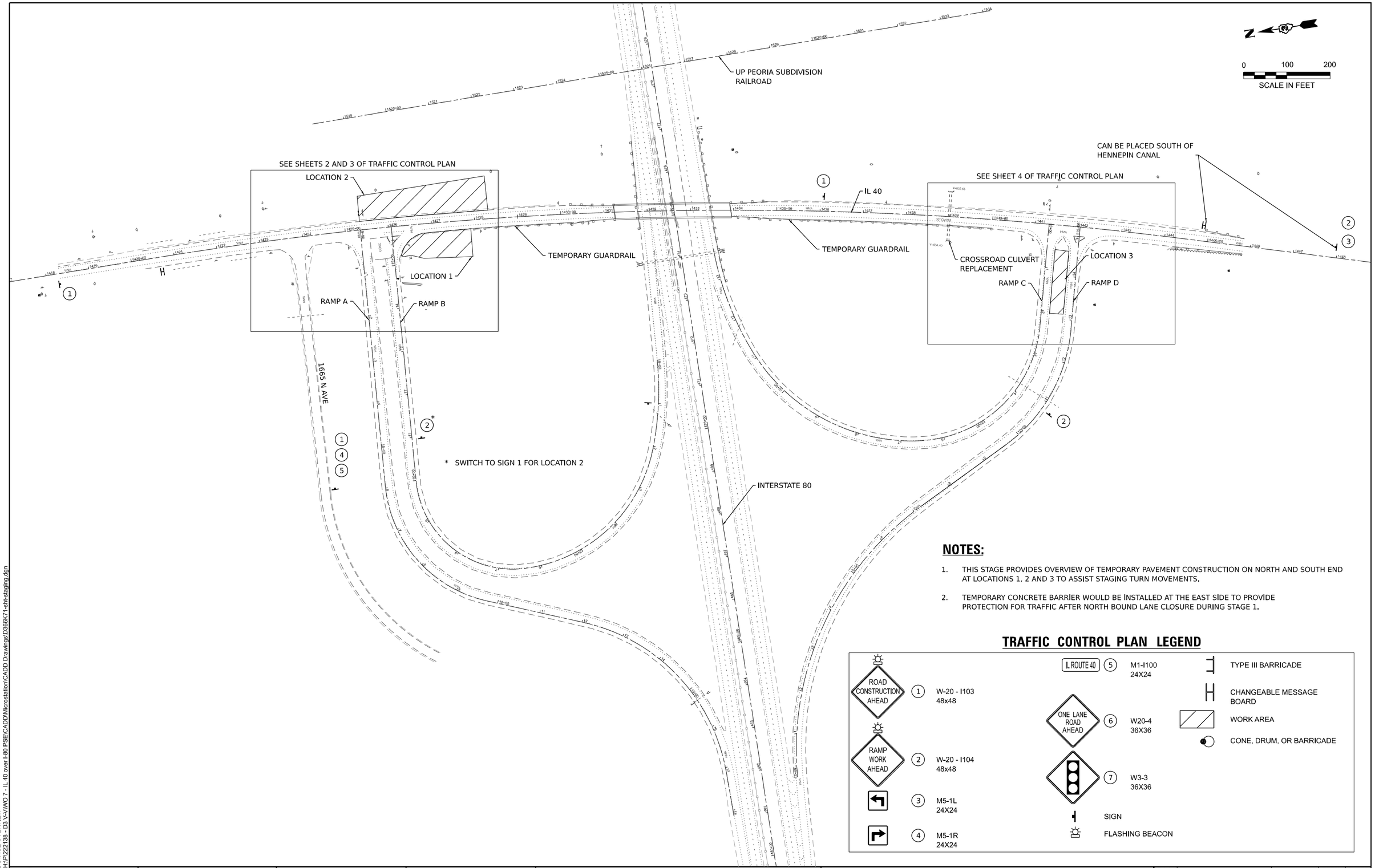
USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 RAMPS
PLAN AND PROFILE SHEETS

SCALE:1"=50' | SHEET 3 OF 3 SHEETS | STA. 0+00.00 | TO STA. 15+16.55

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	24
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. THIS STAGE PROVIDES OVERVIEW OF TEMPORARY PAVEMENT CONSTRUCTION ON NORTH AND SOUTH END AT LOCATIONS 1, 2 AND 3 TO ASSIST STAGING TURN MOVEMENTS.
2. TEMPORARY CONCRETE BARRIER WOULD BE INSTALLED AT THE EAST SIDE TO PROVIDE PROTECTION FOR TRAFFIC AFTER NORTH BOUND LANE CLOSURE DURING STAGE 1.

TRAFFIC CONTROL PLAN LEGEND

ROAD CONSTRUCTION AHEAD	1	W-20 - I103 48x48
RAMP WORK AHEAD	2	W-20 - I104 48x48
	3	M5-1L 24X24
	4	M5-1R 24X24
IL ROUTE 40	5	M1-I100 24X24
ONE LANE ROAD AHEAD	6	W20-4 36X36
	7	W3-3 36X36
		SIGN
		FLASHING BEACON
		TYPE III BARRICADE
		CHANGEABLE MESSAGE BOARD
		WORK AREA
		CONE, DRUM, OR BARRICADE

MODEL: PRE-STAGE OVERVIEW
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRE-STAGE OVERVIEW
TRAFFIC CONTROL PLAN

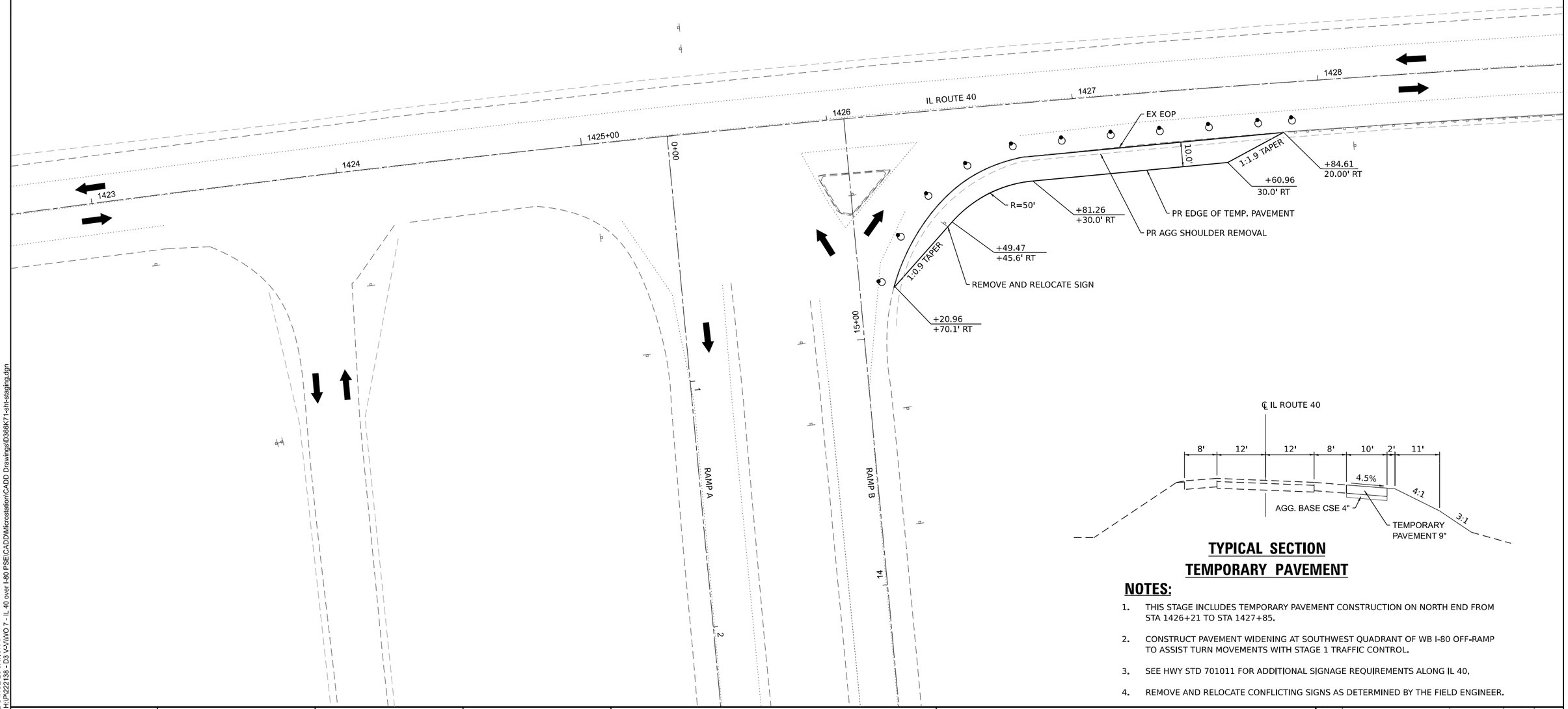
SCALE: | SHEET 1 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	25
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

0 20 40
SCALE IN FEET

TRAFFIC CONTROL PLAN LEGEND

	WORK AREA		TYPE III BARRICADES
	CONE, DRUM, OR BARRICADE		DIRECTION OF TRAFFIC (INFORMATION ONLY)
	TEMPORARY SIGN		



TYPICAL SECTION
TEMPORARY PAVEMENT

NOTES:

1. THIS STAGE INCLUDES TEMPORARY PAVEMENT CONSTRUCTION ON NORTH END FROM STA 1426+21 TO STA 1427+85.
2. CONSTRUCT PAVEMENT WIDENING AT SOUTHWEST QUADRANT OF WB I-80 OFF-RAMP TO ASSIST TURN MOVEMENTS WITH STAGE 1 TRAFFIC CONTROL.
3. SEE HWY STD 701011 FOR ADDITIONAL SIGNAGE REQUIREMENTS ALONG IL 40.
4. REMOVE AND RELOCATE CONFLICTING SIGNS AS DETERMINED BY THE FIELD ENGINEER.

MODEL: PRE-STAGE LOCATION 1
FILE NAME: H:\P222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D36K71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

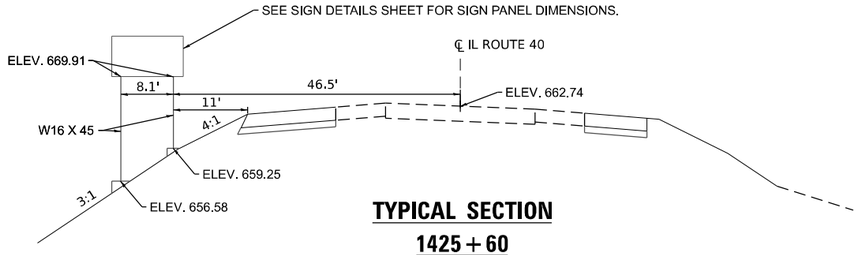
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRE-STAGE LOCATION 1
TRAFFIC CONTROL PLAN

SCALE: | SHEET 2 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	26
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



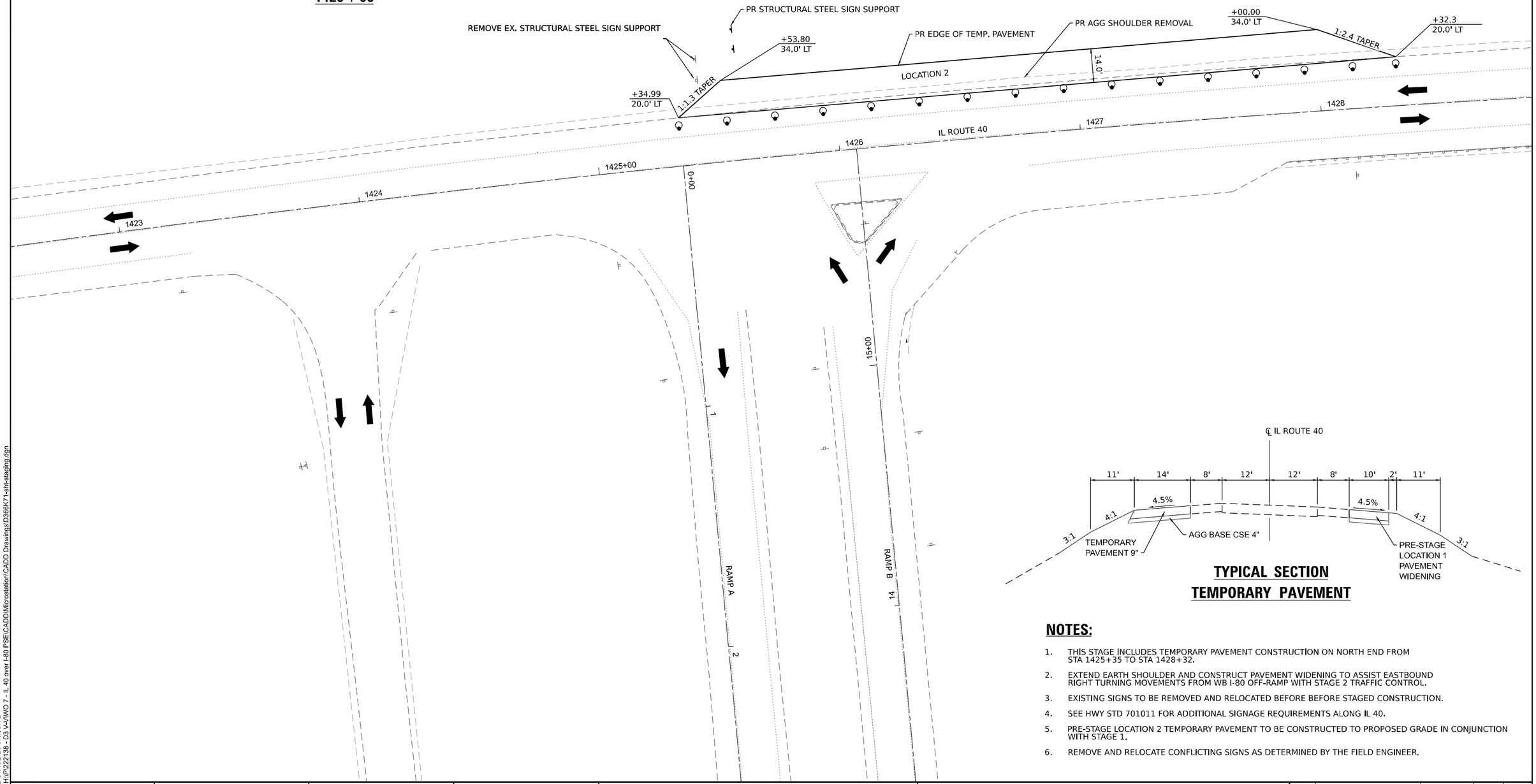
TYPICAL SECTION
1425 + 60

TRAFFIC CONTROL PLAN LEGEND

	WORK AREA		TYPE III BARRICADES
	CONE, DRUM, OR BARRICADE		DIRECTION OF TRAFFIC (INFORMATION ONLY)
	TEMPORARY SIGN		

N

0 20 40
SCALE IN FEET



TYPICAL SECTION
TEMPORARY PAVEMENT

NOTES:

1. THIS STAGE INCLUDES TEMPORARY PAVEMENT CONSTRUCTION ON NORTH END FROM STA 1425+35 TO STA 1428+32.
2. EXTEND EARTH SHOULDER AND CONSTRUCT PAVEMENT WIDENING TO ASSIST EASTBOUND RIGHT TURNING MOVEMENTS FROM WB I-80 OFF-RAMP WITH STAGE 2 TRAFFIC CONTROL.
3. EXISTING SIGNS TO BE REMOVED AND RELOCATED BEFORE BEFORE STAGED CONSTRUCTION.
4. SEE HWY STD 701011 FOR ADDITIONAL SIGNAGE REQUIREMENTS ALONG IL 40.
5. PRE-STAGE LOCATION 2 TEMPORARY PAVEMENT TO BE CONSTRUCTED TO PROPOSED GRADE IN CONJUNCTION WITH STAGE 1.
6. REMOVE AND RELOCATE CONFLICTING SIGNS AS DETERMINED BY THE FIELD ENGINEER.

MODEL: PRE-STAGE LOCATION 2
FILE NAME: H:\P222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

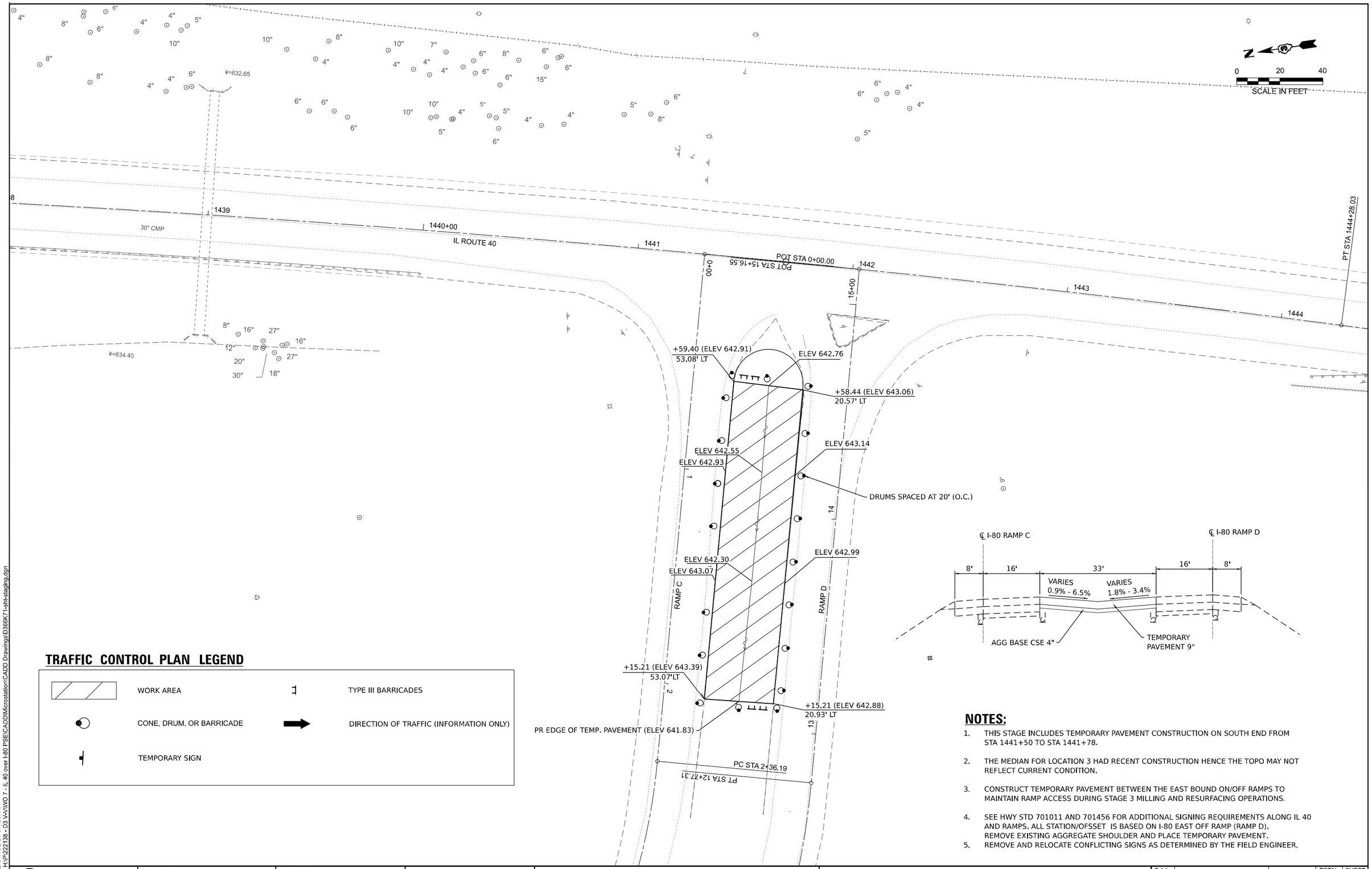
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRE-STAGE LOCATION 2
TRAFFIC CONTROL PLAN

SCALE: | SHEET 3 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	27
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL PLAN LEGEND

	WORK AREA		TYPE III BARRICADES
	CONE, DRUM, OR BARRICADE		DIRECTION OF TRAFFIC (INFORMATION ONLY)
	TEMPORARY SIGN		

NOTES:

1. THIS STAGE INCLUDES TEMPORARY PAVEMENT CONSTRUCTION ON SOUTH END FROM STA 1441+50 TO STA 1441+78.
2. THE MEDIAN FOR LOCATION 3 HAD RECENT CONSTRUCTION HENCE THE TOPO MAY NOT REFLECT CURRENT CONDITION.
3. CONSTRUCT TEMPORARY PAVEMENT BETWEEN THE EAST BOUND ON/OFF RAMPS TO MAINTAIN RAMP ACCESS DURING STAGE 3 MILLING AND RESURFACING OPERATIONS.
4. SEE HWY STD 701011 AND 701456 FOR ADDITIONAL SIGNING REQUIREMENTS ALONG IL 40 AND RAMPS. ALL STATION/OFFSET IS BASED ON I-80 EAST OFF RAMP (RAMP D). REMOVE EXISTING AGGREGATE SHOULDER AND PLACE TEMPORARY PAVEMENT.
5. REMOVE AND RELOCATE CONFLICTING SIGNS AS DETERMINED BY THE FIELD ENGINEER.

MODEL: PRE-STAGE LOCATION 3
FILE NAME: H:\P222138 - D3 VA\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

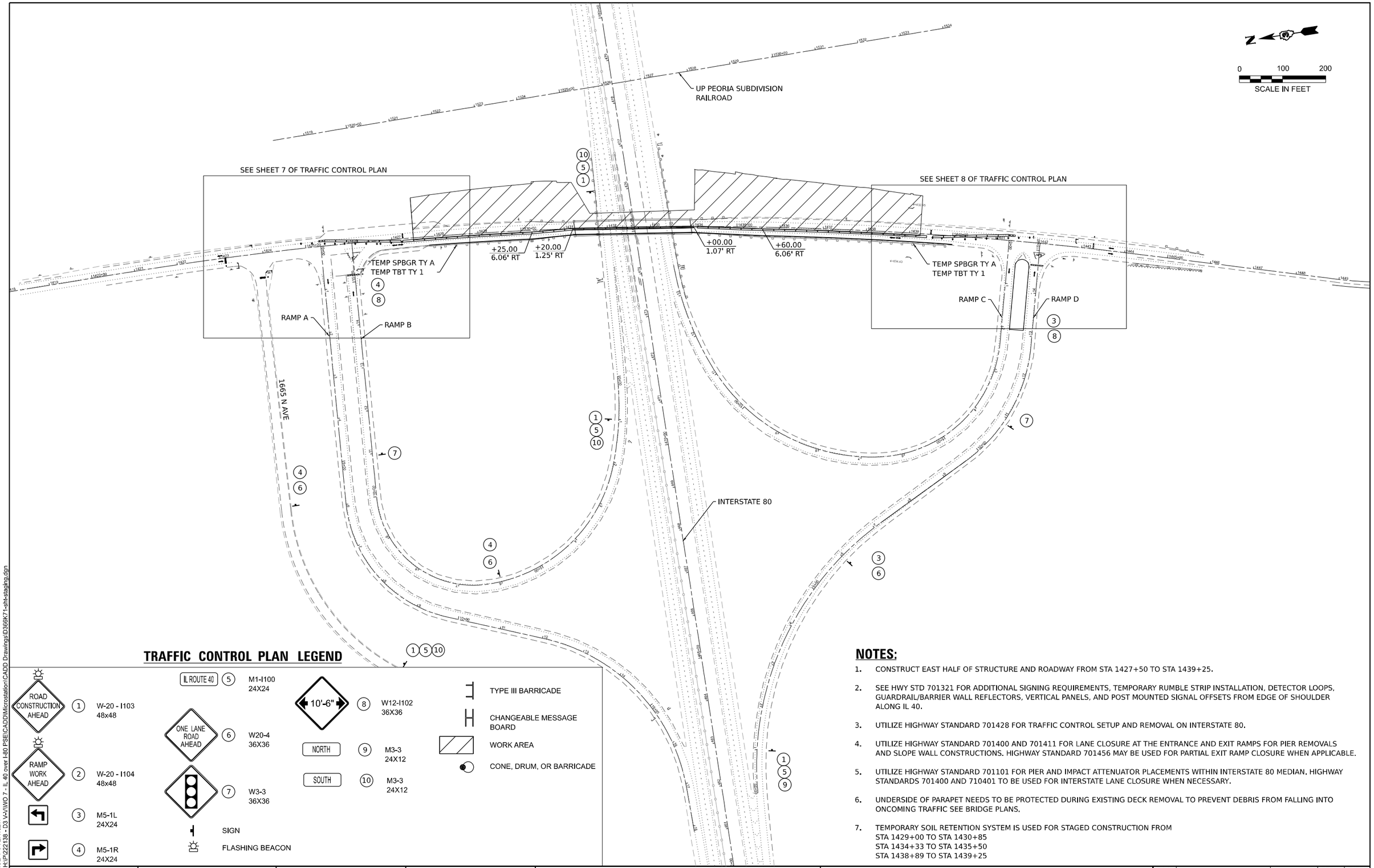
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRE-STAGE LOCATION 3
TRAFFIC CONTROL PLAN

SCALE: | SHEET 4 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	28
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



TRAFFIC CONTROL PLAN LEGEND

ROAD CONSTRUCTION AHEAD	1	W-20 - I103 48x48	IL ROUTE 40	5	M1-I100 24X24
RAMP WORK AHEAD	2	W-20 - I104 48x48	ONE LANE ROAD AHEAD	6	W20-4 36X36
	3	M5-1L 24X24		7	W3-3 36X36
	4	M5-1R 24X24	10'-6"	8	W12-I102 36X36
			NORTH	9	M3-3 24X12
			SOUTH	10	M3-3 24X12

TYPE III BARRICADE
CHANGEABLE MESSAGE BOARD
WORK AREA
CONE, DRUM, OR BARRICADE
SIGN
FLASHING BEACON

NOTES:

1. CONSTRUCT EAST HALF OF STRUCTURE AND ROADWAY FROM STA 1427+50 TO STA 1439+25.
2. SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS, TEMPORARY RUMBLE STRIP INSTALLATION, DETECTOR LOOPS, GUARDRAIL/BARRIER WALL REFLECTORS, VERTICAL PANELS, AND POST MOUNTED SIGNAL OFFSETS FROM EDGE OF SHOULDER ALONG IL 40.
3. UTILIZE HIGHWAY STANDARD 701428 FOR TRAFFIC CONTROL SETUP AND REMOVAL ON INTERSTATE 80.
4. UTILIZE HIGHWAY STANDARD 701400 AND 701411 FOR LANE CLOSURE AT THE ENTRANCE AND EXIT RAMPS FOR PIER REMOVALS AND SLOPE WALL CONSTRUCTIONS. HIGHWAY STANDARD 701456 MAY BE USED FOR PARTIAL EXIT RAMP CLOSURE WHEN APPLICABLE.
5. UTILIZE HIGHWAY STANDARD 701101 FOR PIER AND IMPACT ATTENUATOR PLACEMENTS WITHIN INTERSTATE 80 MEDIAN. HIGHWAY STANDARDS 701400 AND 710401 TO BE USED FOR INTERSTATE LANE CLOSURE WHEN NECESSARY.
6. UNDERSIDE OF PARAPET NEEDS TO BE PROTECTED DURING EXISTING DECK REMOVAL TO PREVENT DEBRIS FROM FALLING INTO ONCOMING TRAFFIC SEE BRIDGE PLANS.
7. TEMPORARY SOIL RETENTION SYSTEM IS USED FOR STAGED CONSTRUCTION FROM
   STA 1429+00 TO STA 1430+85
   STA 1434+33 TO STA 1435+50
   STA 1438+89 TO STA 1439+25

MODEL: STAGE 1 OVERVIEW
FILE NAME: H:\P222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D36EK71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

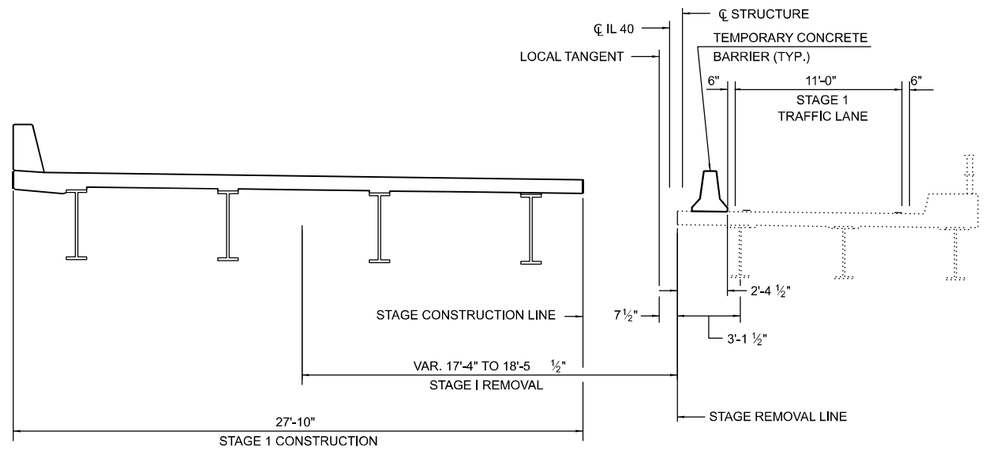
USER NAME = kevin.botterbush	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/11/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 OVERVIEW
TRAFFIC CONTROL PLAN

SCALE: | SHEET 5 OF 17 SHEETS | STA. | TO STA.

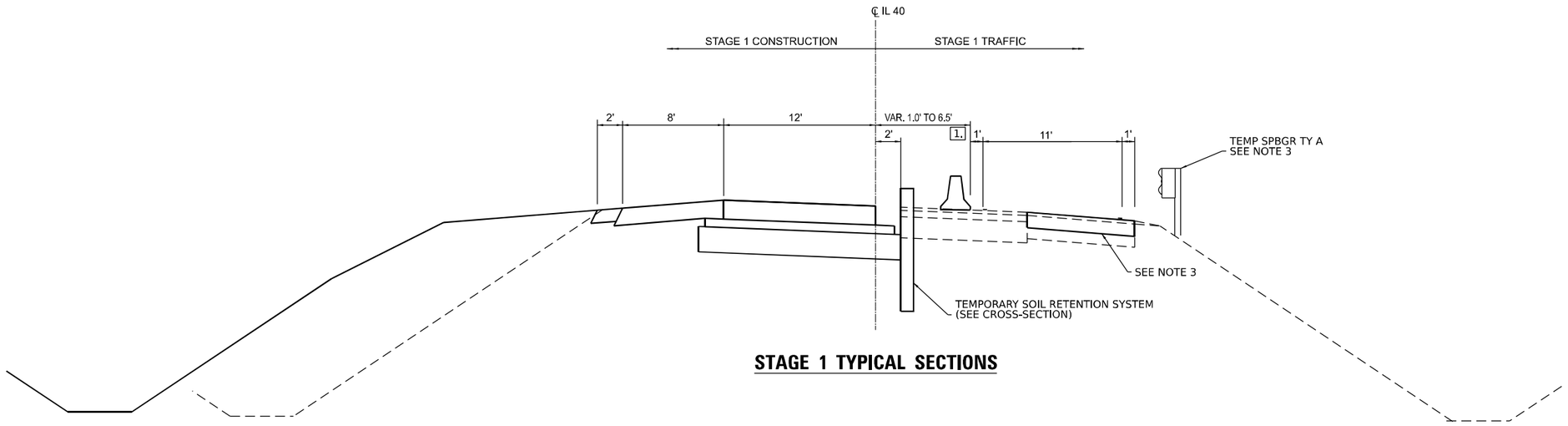
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	29
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STAGE 1 TYPICAL SECTION

NOTES:

1. SEE TRAFFIC CONTROL PLAN SHEET FOR TEMPORARY CONCRETE BARRIER LOCATION AND RATE OF TAPER.
2. TEMPORARY CONCRETE BARRIER TRANSITIONS TO ALIGN WITH THE BRIDGE STAGING FROM
   STA 1430+25 TO STA 1431+20
   STA 1434+00 TO STA 1435+60
3. COMPLETE FOLLOWING TASKS PRIOR TO STAGE 1 TRAFFIC SHIFTING TO SHOULDER:
   REMOVE EXISTING GUARDRAIL (END SECTIONS)
   RT STA 1430+22 TO STA 1430+72
   RT STA 1434+38 TO STA 1434+88
   INSTALL TEMPORARY SPBGR TY A (CONNECT TO EXISTING GUARDRAIL) AND TEMPORARY TBT TY 1
   RT STA 1427+85 TO 1430+72
   RT STA 1434+38 TO STA 1440+00
   SHOULDER TO BE MILLED 6" AND RESURFACED TO CARRY STAGE 1 TRAFFIC.
   MIX COMPOSITION FOR RESURFACING IS
   PR 2" HMA SC IL-9.5 D N70
   PR 4" HMA BC IL-19.0 N 70
   ONCE STAGE 1 BRIDGE IS CONSTRUCTED AND TRAFFIC IS SWITCHED TO STAGE 2, REMOVE TEMPORARY GUARD RAIL END SECTIONS (COST INCLUDED WITH RESPECTIVE PAY ITEM), REMOVE REMAINING EXISTING GUARDRAIL AND INSTALL PROPOSED GUARDRAIL AS SHOWN IN PLANS, MILL AND RESURFACE ENTIRETY OF SHOULDER. SEE MIX TABLE FOR HMA MATERIALS IN SHOULDER.
4. TEMPORARY SOIL RETENTION SYSTEM IS USED FOR STAGED CONTSRUCTION FROM
   STA 1429+00 TO STA 1430+85
   STA 1434+33 TO STA 1435+50
   STA 1438+89 TO STA 1439+25



STAGE 1 TYPICAL SECTIONS

MODEL: STAGE 1 TYPICAL SECTIONS
FILE NAME: H:\P222138 - D3 VJ\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-typicals.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

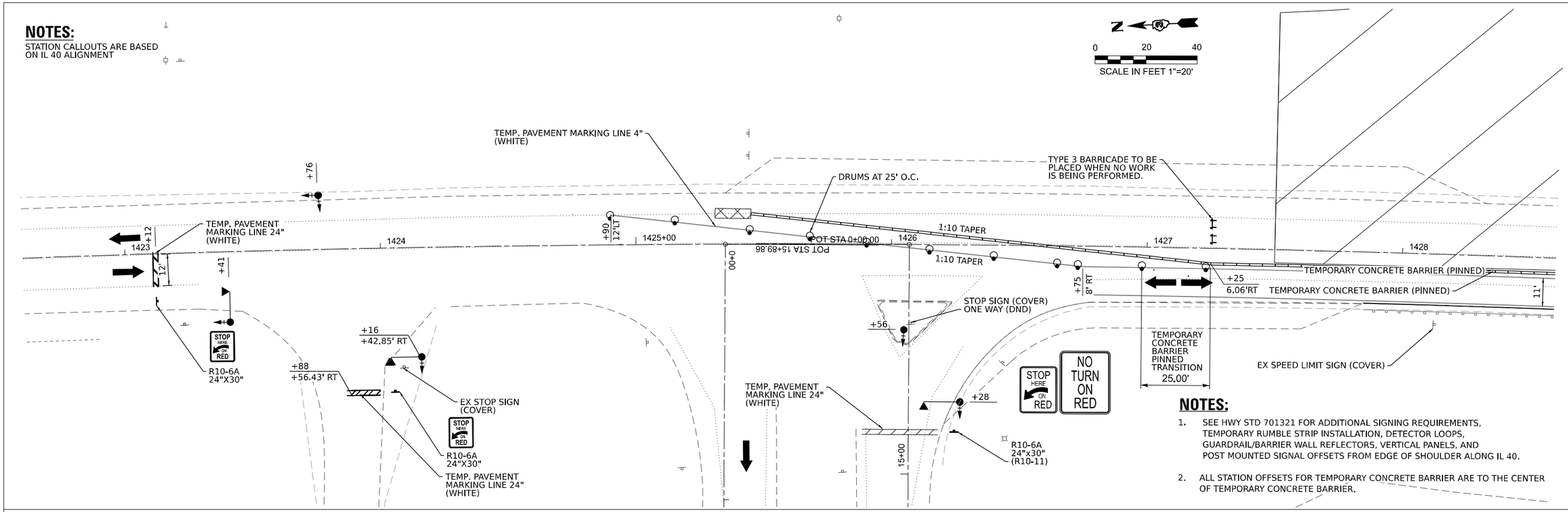
STAGE 1 TYPICAL SECTIONS
TRAFFIC CONTROL PLAN

SCALE: | SHEET 6 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	30
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

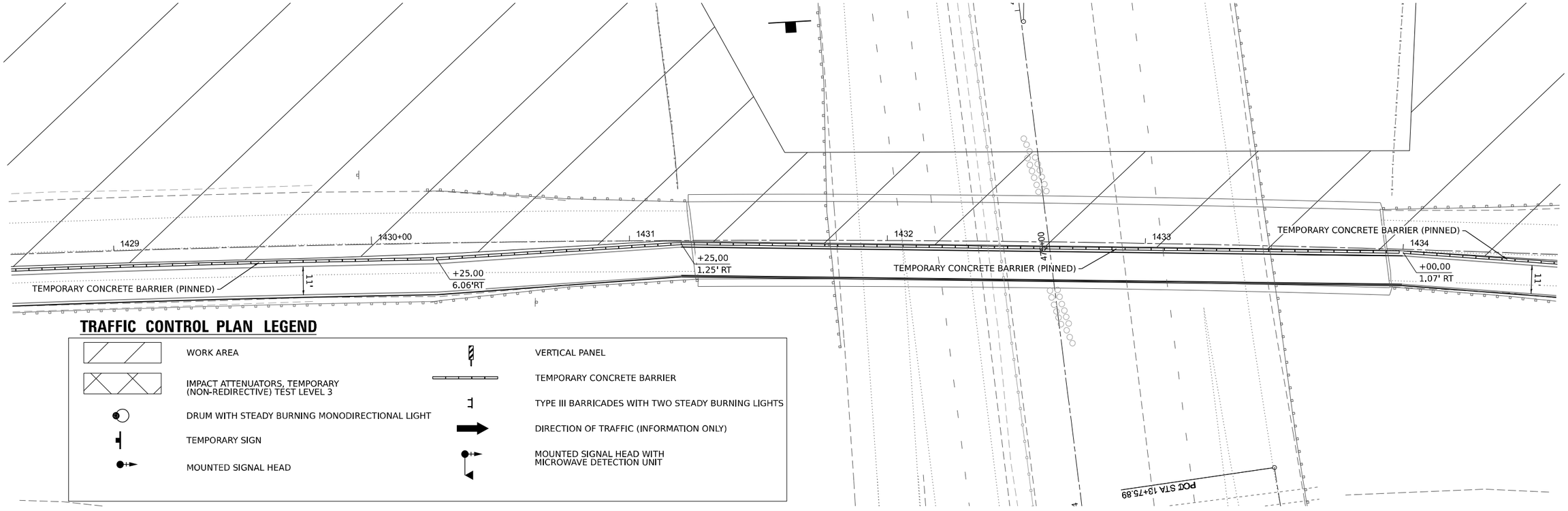
NOTES:

STATION CALLOUTS ARE BASED ON IL 40 ALIGNMENT



NOTES:

1. SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS, TEMPORARY RUMBLE STRIP INSTALLATION, DETECTOR LOOPS, GUARDRAIL/BARRIER WALL REFLECTORS, VERTICAL PANELS, AND POST MOUNTED SIGNAL OFFSETS FROM EDGE OF SHOULDER ALONG IL 40.
2. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE CENTER OF TEMPORARY CONCRETE BARRIER.



TRAFFIC CONTROL PLAN LEGEND

WORK AREA	VERTICAL PANEL
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	TEMPORARY CONCRETE BARRIER
DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT	TYPE III BARRICADES WITH TWO STEADY BURNING LIGHTS
TEMPORARY SIGN	DIRECTION OF TRAFFIC (INFORMATION ONLY)
MOUNTED SIGNAL HEAD	MOUNTED SIGNAL HEAD WITH MICROWAVE DETECTION UNIT

MODEL: STAGE 1 RAMPS A AND B
FILE NAME: H:\P\222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

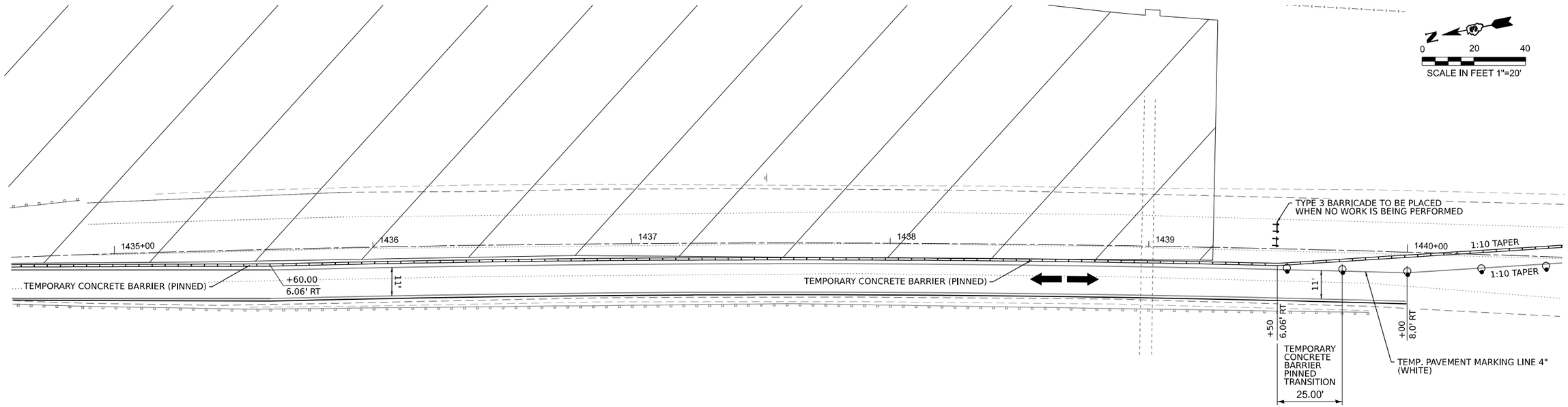
USER NAME = kevin.botterbush	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/11/2025	DATE -	REVISED -	

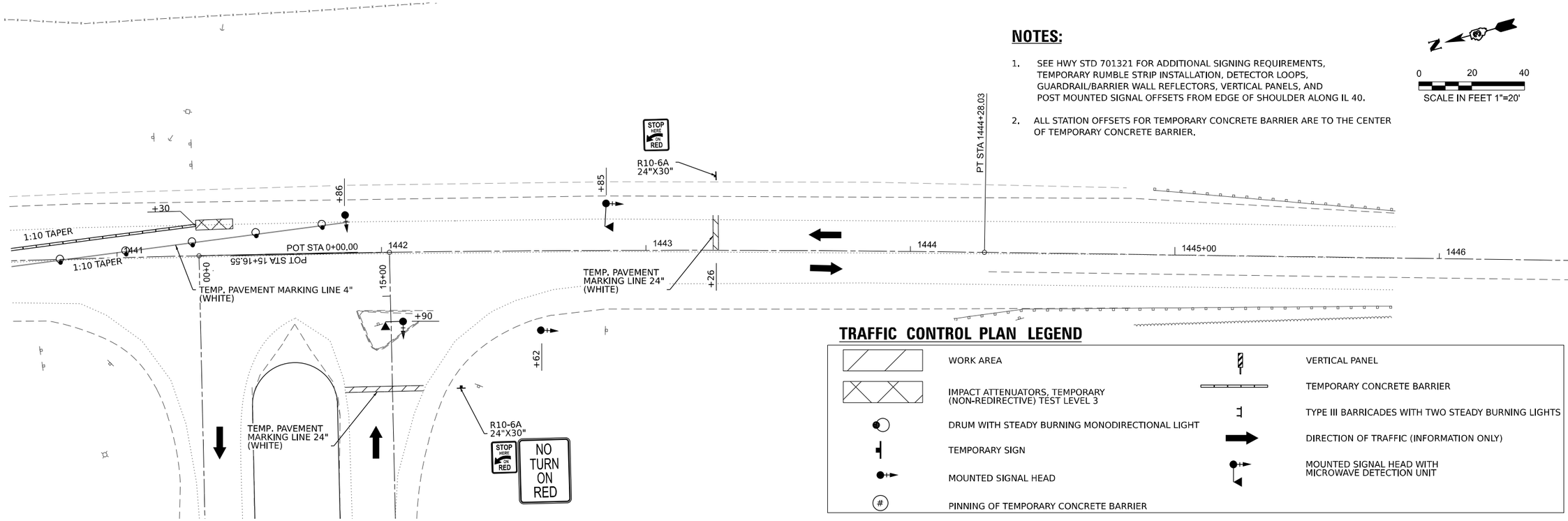
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 RAMPS A AND B
TRAFFIC CONTROL PLAN

SCALE: 1" = 20' | SHEET 7 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	31
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		





NOTES:

1. SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS, TEMPORARY RUMBLE STRIP INSTALLATION, DETECTOR LOOPS, GUARDRAIL/BARRIER WALL REFLECTORS, VERTICAL PANELS, AND POST MOUNTED SIGNAL OFFSETS FROM EDGE OF SHOULDER ALONG IL 40.
2. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE CENTER OF TEMPORARY CONCRETE BARRIER.

TRAFFIC CONTROL PLAN LEGEND

WORK AREA	VERTICAL PANEL
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	TEMPORARY CONCRETE BARRIER
DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT	TYPE III BARRICADES WITH TWO STEADY BURNING LIGHTS
TEMPORARY SIGN	DIRECTION OF TRAFFIC (INFORMATION ONLY)
MOUNTED SIGNAL HEAD	MOUNTED SIGNAL HEAD WITH MICROWAVE DETECTION UNIT
PINNING OF TEMPORARY CONCRETE BARRIER	

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

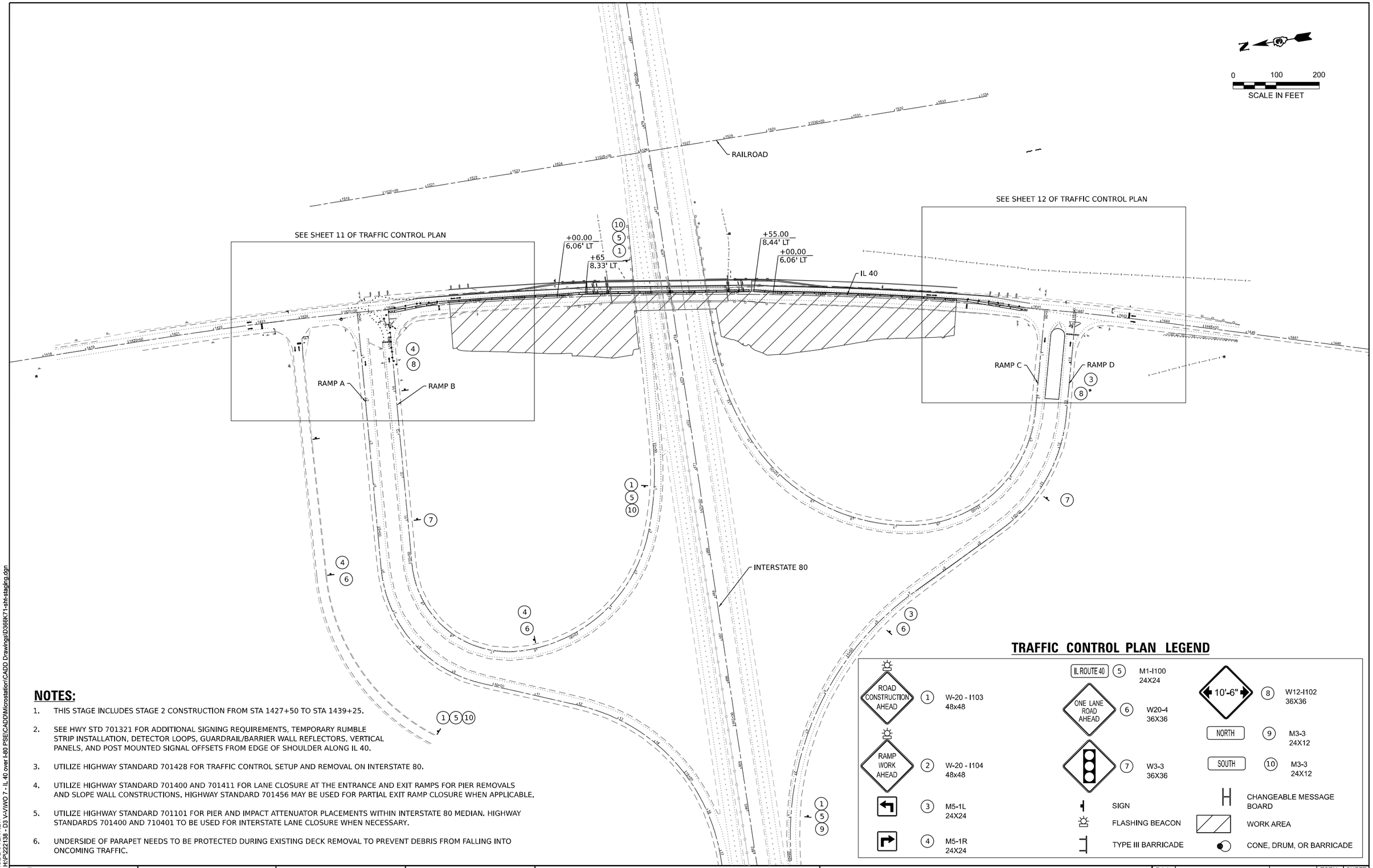
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 RAMPS C AND D
TRAFFIC CONTROL PLAN

SCALE: | SHEET 8 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	32
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

MODEL: STAGE 1 RAMPS C AND D
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-staging.dgn



NOTES:

1. THIS STAGE INCLUDES STAGE 2 CONSTRUCTION FROM STA 1427+50 TO STA 1439+25.
2. SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS, TEMPORARY RUMBLE STRIP INSTALLATION, DETECTOR LOOPS, GUARDRAIL/BARRIER WALL REFLECTORS, VERTICAL PANELS, AND POST MOUNTED SIGNAL OFFSETS FROM EDGE OF SHOULDER ALONG IL 40.
3. UTILIZE HIGHWAY STANDARD 701428 FOR TRAFFIC CONTROL SETUP AND REMOVAL ON INTERSTATE 80.
4. UTILIZE HIGHWAY STANDARD 701400 AND 701411 FOR LANE CLOSURE AT THE ENTRANCE AND EXIT RAMPS FOR PIER REMOVALS AND SLOPE WALL CONSTRUCTIONS. HIGHWAY STANDARD 701456 MAY BE USED FOR PARTIAL EXIT RAMP CLOSURE WHEN APPLICABLE.
5. UTILIZE HIGHWAY STANDARD 701101 FOR PIER AND IMPACT ATTENUATOR PLACEMENTS WITHIN INTERSTATE 80 MEDIAN. HIGHWAY STANDARDS 701400 AND 710401 TO BE USED FOR INTERSTATE LANE CLOSURE WHEN NECESSARY.
6. UNDERSIDE OF PARAPET NEEDS TO BE PROTECTED DURING EXISTING DECK REMOVAL TO PREVENT DEBRIS FROM FALLING INTO ONCOMING TRAFFIC.

TRAFFIC CONTROL PLAN LEGEND

ROAD CONSTRUCTION AHEAD	1	W-20 - I103 48x48	IL ROUTE 40	5	M1-I100 24X24
ONE LANE ROAD AHEAD	6	W20-4 36X36	10'-6"	8	W12-I102 36X36
RAMP WORK AHEAD	2	W-20 - I104 48x48	NORTH	9	M3-3 24X12
	7	W3-3 36X36	SOUTH	10	M3-3 24X12
	3	M5-1L 24X24	SIGN		CHANGEABLE MESSAGE BOARD
	4	M5-1R 24X24	FLASHING BEACON		WORK AREA
			TYPE III BARRICADE		CONE, DRUM, OR BARRICADE

MODEL: STAGE 2 OVERVIEW
FILE NAME: H:\P222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/10/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

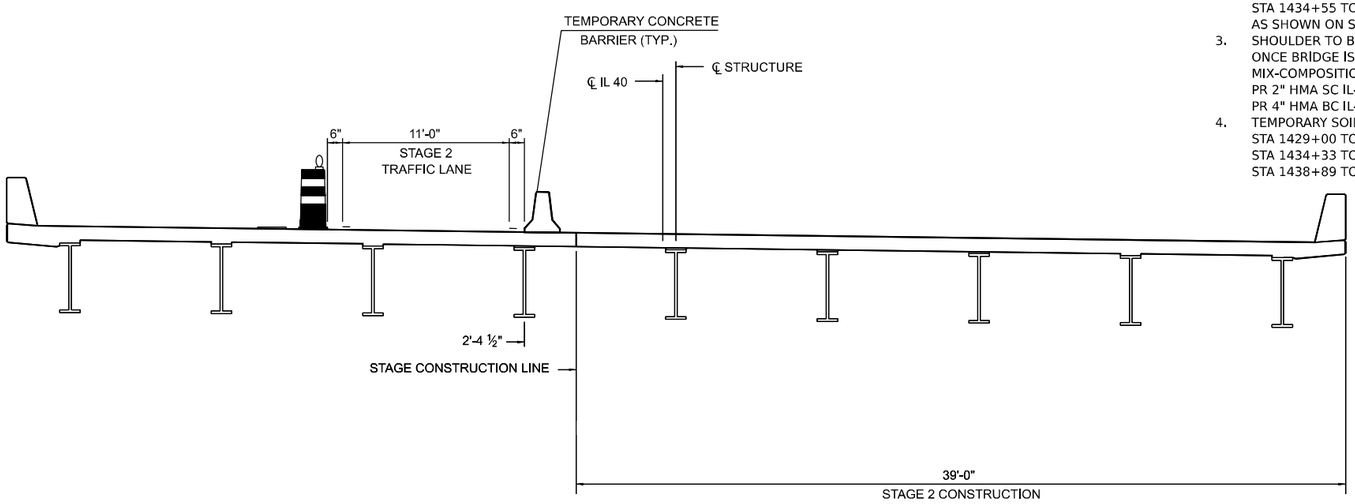
STAGE 2 OVERVIEW
TRAFFIC CONTROL PLAN

SCALE: NTS | SHEET 9 OF 17 SHEETS | STA. | TO STA.

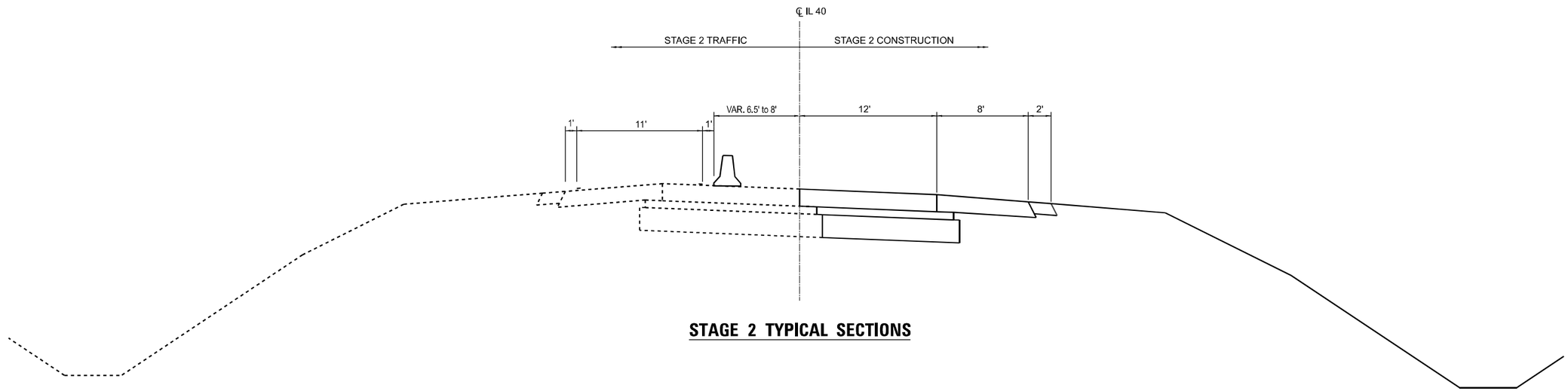
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	33
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1. SEE TRAFFIC CONTROL PLAN SHEET FOR TEMPORARY CONCRETE BARRIER LOCATION AND RATE OF TAPER.
2. TEMPORARY CONCRETE BARRIER TRANSITIONS TO ALIGN WITH THE BRIDGE STAGING FROM
   STA 1430+00 TO STA 1430+65 AND
   STA 1434+55 TO STA 1435+00
   AS SHOWN ON STAGE 2 OVERVIEW SHEET.
3. SHOULDER TO BE MILLED 6" AND RESURFACED BEFORE STAGE TRAFFIC SHIFTS TO SHOULDER. ONCE BRIDGE IS CONSTRUCTED MILL AND RESURFACE ENTIRETY OF SHOULDER.
   MIX-COMPOSITION FOR RESURFACING IS
   PR 2" HMA SC IL-9.5 D N70
   PR 4" HMA BC IL-19.0 N 70
4. TEMPORARY SOIL RETENTION SYSTEM IS USED FOR STAGED CONTSRUCTION FROM
   STA 1429+00 TO STA 1430+85
   STA 1434+33 TO STA 1435+50
   STA 1438+89 TO STA 1439+25



STAGE 2 TYPICAL SECTION



STAGE 2 TYPICAL SECTIONS

MODEL: STAGE 2 TYPICAL SECTIONS [Sheet]
FILE NAME: H:\P222138 - D3 VAV\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-typicals.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 TYPICAL SECTIONS
TRAFFIC CONTROL PLAN

SCALE: | SHEET 10 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	34
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL PLAN LEGEND

WORK AREA	VERTICAL PANEL	#	PINNING OF TEMPORARY CONCRETE BARRIER
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	TEMPORARY CONCRETE BARRIER		MOUNTED SIGNAL HEAD
DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT	TYPE III BARRICADES WITH TWO STEADY BURNING LIGHTS		TEMPORARY SIGN
	DIRECTION OF TRAFFIC (INFORMATION ONLY)		MOUNTED SIGNAL HEAD WITH MICROWAVE DETECTION UNIT

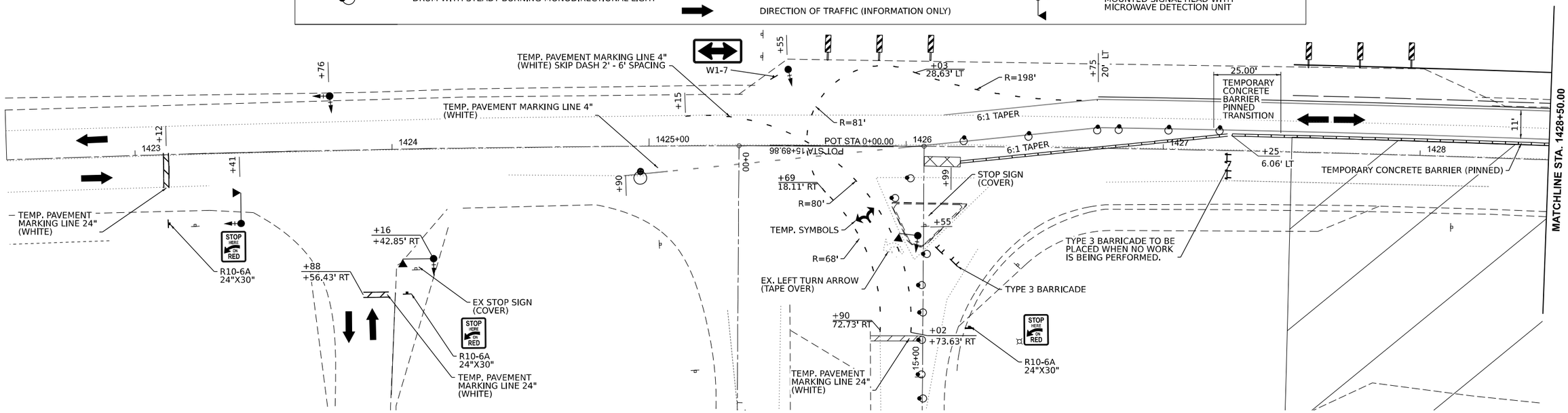
N

0 20 40

SCALE IN FEET 1"=20'

NOTES:

STATION CALLOUTS ARE BASED ON IL 40 ALIGNMENT



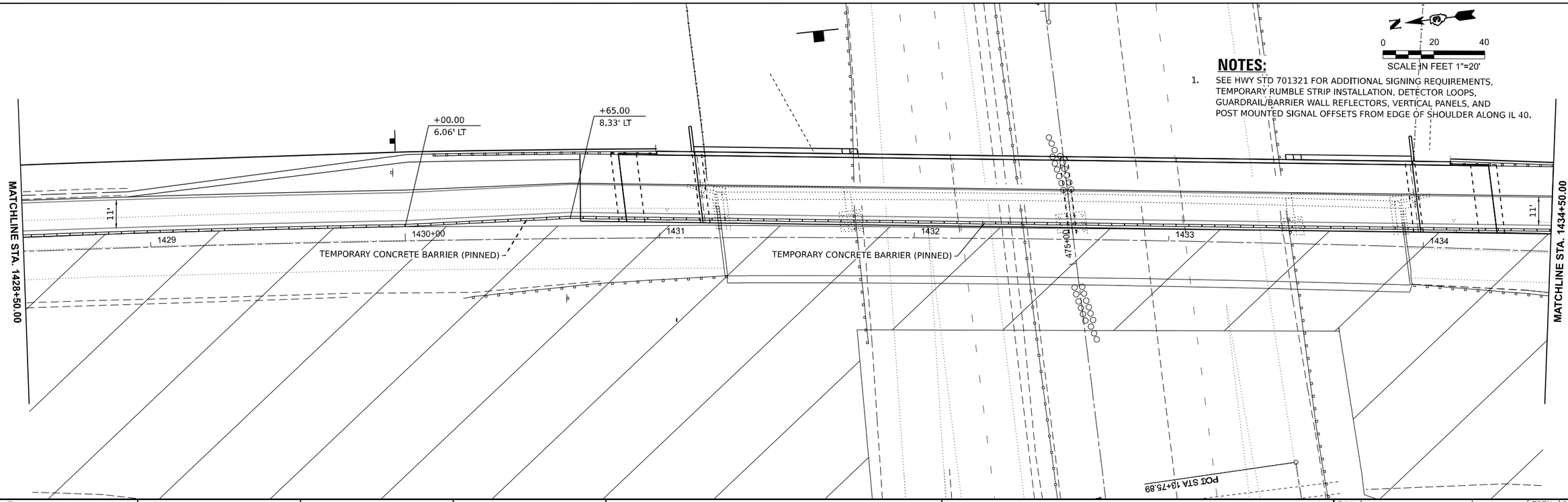
N

0 20 40

SCALE IN FEET 1"=20'

NOTES:

1. SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS, TEMPORARY RUMBLE STRIP INSTALLATION, DETECTOR LOOPS, GUARDRAIL/BARRIER WALL REFLECTORS, VERTICAL PANELS, AND POST MOUNTED SIGNAL OFFSETS FROM EDGE OF SHOULDER ALONG IL 40.



MODEL: Ex-IL42 - STAGE 2 DBL NEW [Sheet]
FILE NAME: H:\P222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

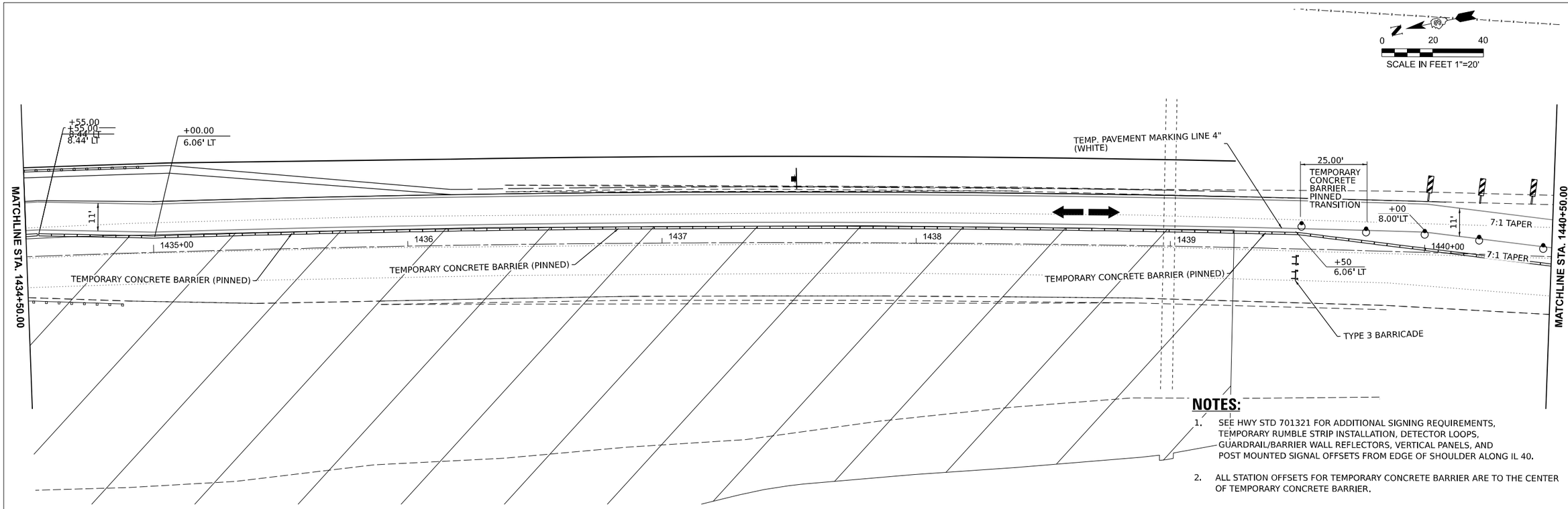
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 RAMPS A AND B
TRAFFIC CONTROL PLAN

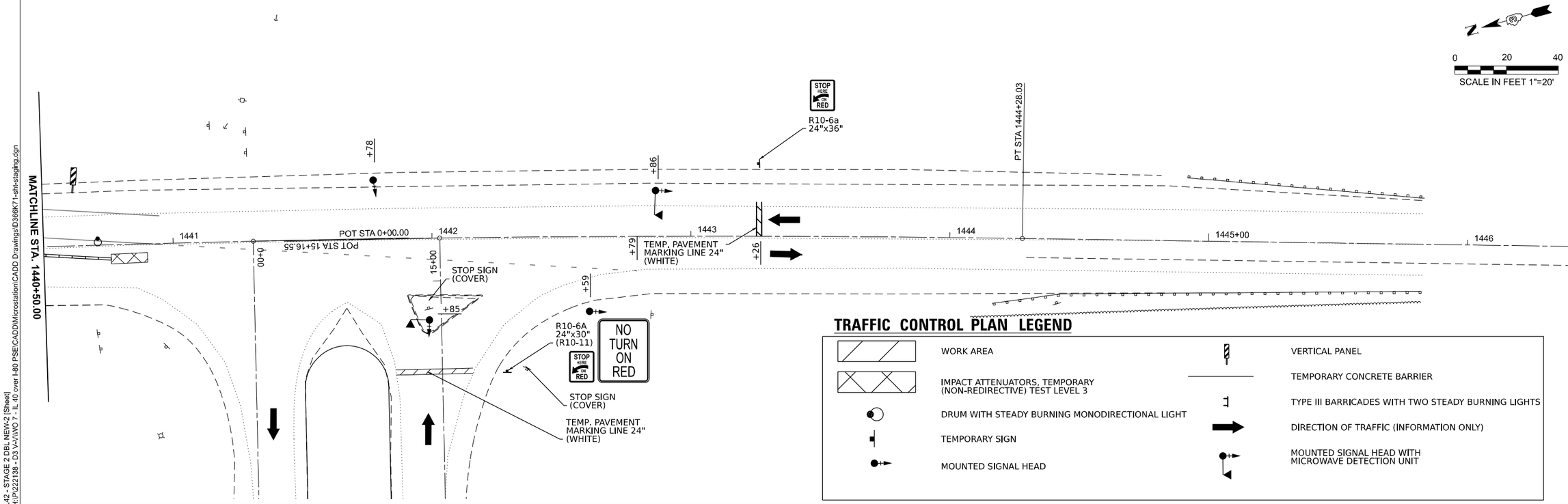
SCALE: 1" = 20' | SHEET 11 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	35
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE HWY STD 701321 FOR ADDITIONAL SIGNING REQUIREMENTS, TEMPORARY RUMBLE STRIP INSTALLATION, DETECTOR LOOPS, GUARDRAIL/BARRIER WALL REFLECTORS, VERTICAL PANELS, AND POST MOUNTED SIGNAL OFFSETS FROM EDGE OF SHOULDER ALONG IL 40.
2. ALL STATION OFFSETS FOR TEMPORARY CONCRETE BARRIER ARE TO THE CENTER OF TEMPORARY CONCRETE BARRIER.



TRAFFIC CONTROL PLAN LEGEND

WORK AREA	VERTICAL PANEL
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	TEMPORARY CONCRETE BARRIER
DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT	TYPE III BARRICADES WITH TWO STEADY BURNING LIGHTS
TEMPORARY SIGN	DIRECTION OF TRAFFIC (INFORMATION ONLY)
MOUNTED SIGNAL HEAD	MOUNTED SIGNAL HEAD WITH MICROWAVE DETECTION UNIT

MODEL: Ex-IL42 - STAGE 2 DBL NEW-2 [Sheet]
FILE NAME: H:\P\222138 - D3 V-V\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

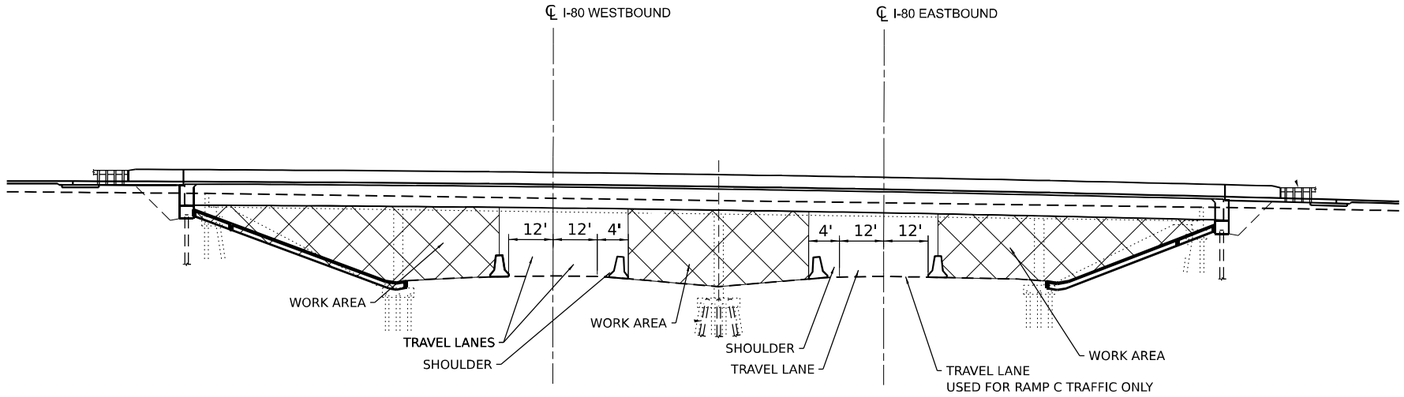
USER NAME = kevin.botterbush	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/11/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2 RAMPS A AND B
TRAFFIC CONTROL PLAN

SCALE: 1" = 20' | SHEET 12 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	36
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL TYPICAL SECTION

I–80 LOOKING EAST

MODEL: Untitled [Sheet]
FILE NAME: H:\P222138 - D3 V-A\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366k71-I-80 Typical Sections.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

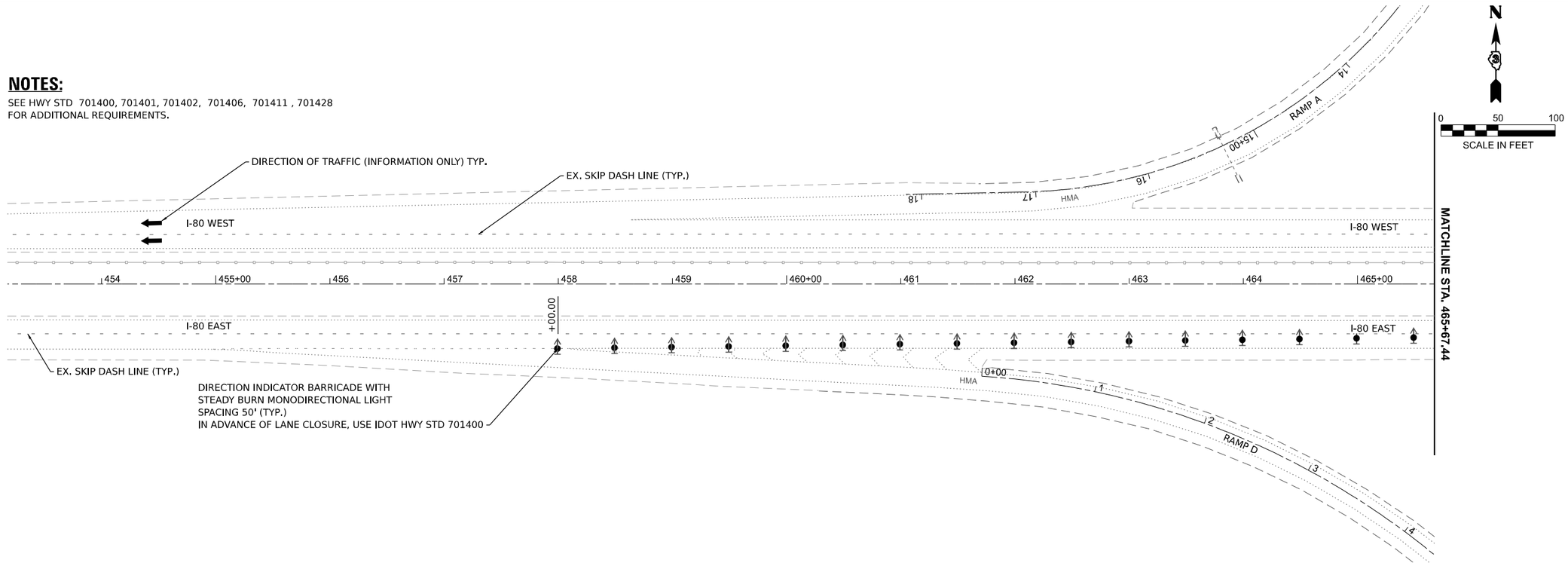
I-80 STAGE 1 AND STAGE 2
TRAFFIC CONTROL PLAN

SCALE: | SHEET 13 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	37
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

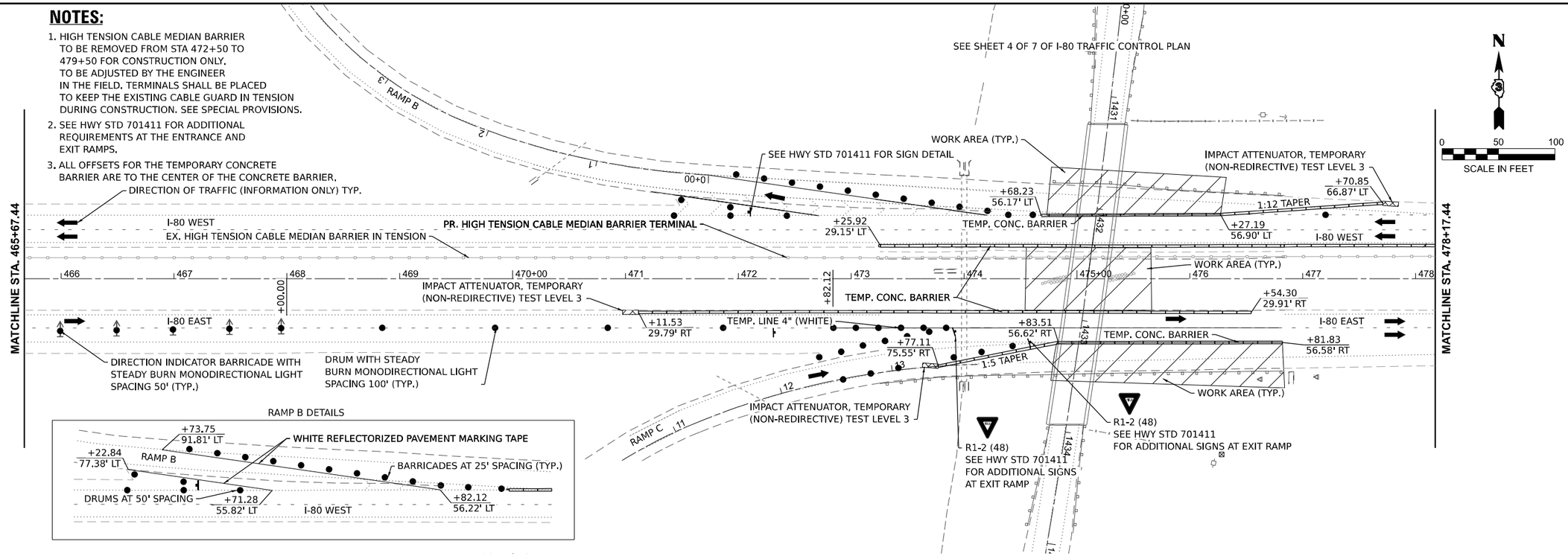
NOTES:

SEE HWY STD 701400, 701401, 701402, 701406, 701411 , 701428
FOR ADDITIONAL REQUIREMENTS.



NOTES:

1. HIGH TENSION CABLE MEDIAN BARRIER TO BE REMOVED FROM STA 472+50 TO 479+50 FOR CONSTRUCTION ONLY. TO BE ADJUSTED BY THE ENGINEER IN THE FIELD. TERMINALS SHALL BE PLACED TO KEEP THE EXISTING CABLE GUARD IN TENSION DURING CONSTRUCTION. SEE SPECIAL PROVISIONS.
2. SEE HWY STD 701411 FOR ADDITIONAL REQUIREMENTS AT THE ENTRANCE AND EXIT RAMPS.
3. ALL OFFSETS FOR THE TEMPORARY CONCRETE BARRIER ARE TO THE CENTER OF THE CONCRETE BARRIER.



RAMP B DETAILS

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/12/2025	DATE -	REVISED -

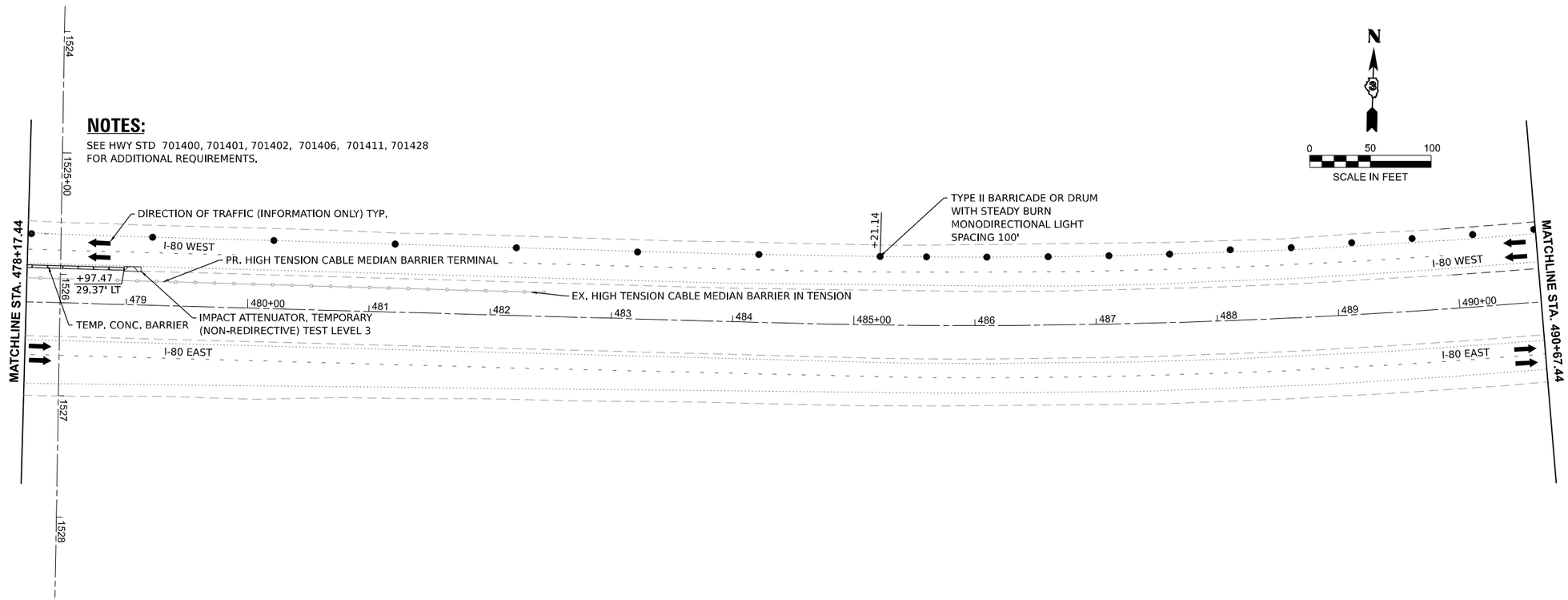
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 STAGE 1 AND STAGE 2
TRAFFIC CONTROL PLAN

SCALE: | SHEET 14 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	38
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

MODEL: ExUS80 - Plan 1 [Sheet]
FILE NAME: H:\P222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-I-80-Staging.dgn



MODEL: ExUS80 - Plan 3 [Sheet]
FILE NAME: H:\P222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-I-80-Staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

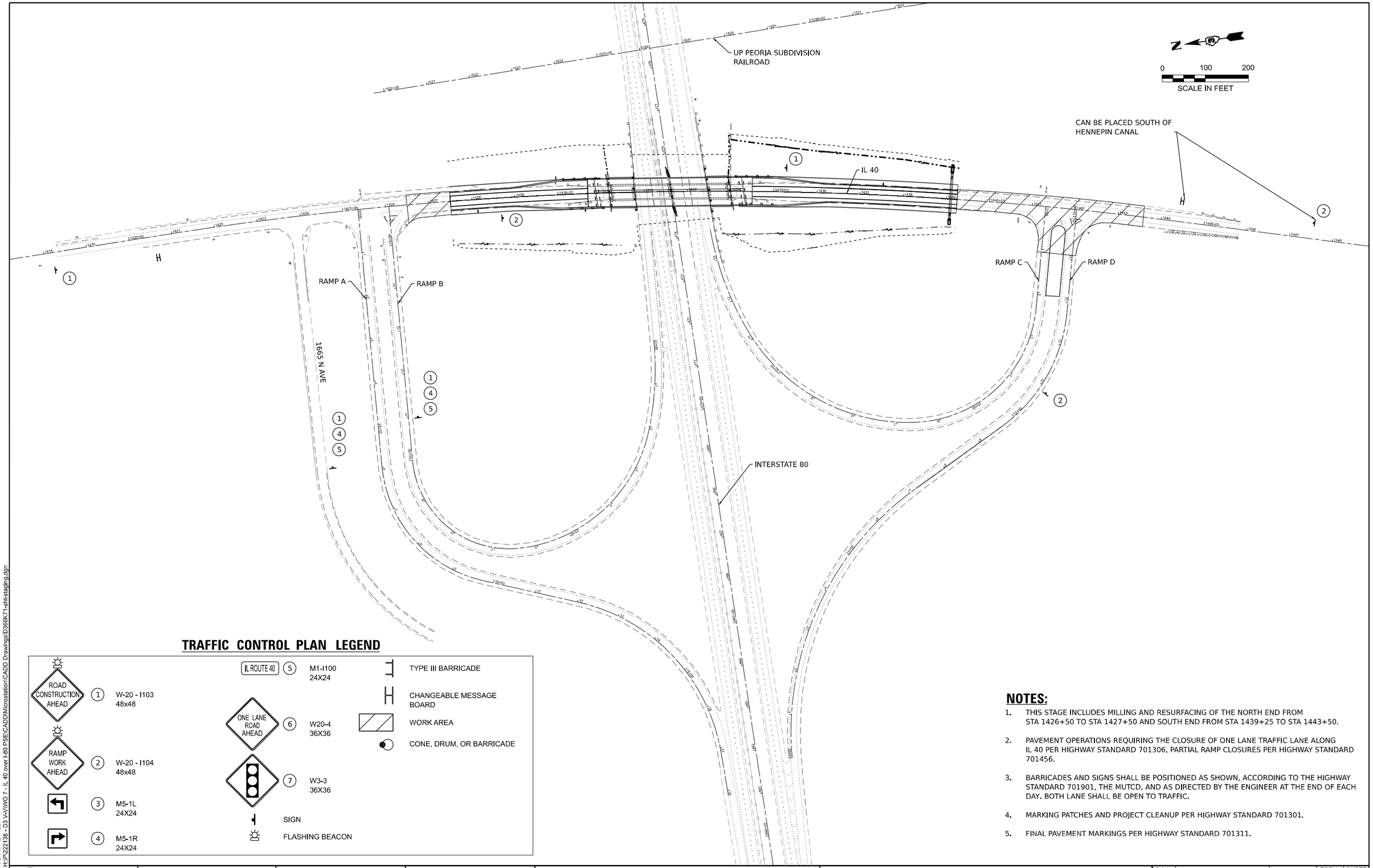
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 STAGE 1 AND STAGE 2
TRAFFIC CONTROL PLAN

SCALE: | SHEET 15 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	39
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL PLAN LEGEND

ROAD CONSTRUCTION AHEAD	1	W-20 - I103 48x48
RAMP WORK AHEAD	2	W-20 - I104 48x48
	3	M5-1L 24X24
	4	M5-1R 24X24
IL ROUTE 40	5	M1-I100 24X24
ONE LANE ROAD AHEAD	6	W20-4 36X36
	7	W3-3 36X36
		SIGN
		FLASHING BEACON
		TYPE III BARRICADE
		CHANGEABLE MESSAGE BOARD
		WORK AREA
		CONE, DRUM, OR BARRICADE

NOTES:

1. THIS STAGE INCLUDES MILLING AND RESURFACING OF THE NORTH END FROM STA 1426+50 TO STA 1427+50 AND SOUTH END FROM STA 1439+25 TO STA 1443+50.
2. PAVEMENT OPERATIONS REQUIRING THE CLOSURE OF ONE LANE TRAFFIC LANE ALONG IL 40 PER HIGHWAY STANDARD 701306. PARTIAL RAMP CLOSURES PER HIGHWAY STANDARD 701456.
3. BARRICADES AND SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO THE HIGHWAY STANDARD 701901, THE MUTCD, AND AS DIRECTED BY THE ENGINEER AT THE END OF EACH DAY. BOTH LANE SHALL BE OPEN TO TRAFFIC.
4. MARKING PATCHES AND PROJECT CLEANUP PER HIGHWAY STANDARD 701301.
5. FINAL PAVEMENT MARKINGS PER HIGHWAY STANDARD 701311.

MODEL: STAGE 3 OVERVIEW
FILE NAME: H:\P022138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-staging.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/10/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

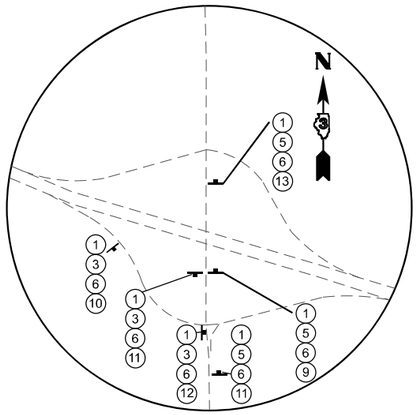
STAGE 3 RESURFACING TIE–INS
TRAFFIC CONTROL PLAN

SCALE: NTS | SHEET 16 OF 17 SHEETS | STA. | TO STA.

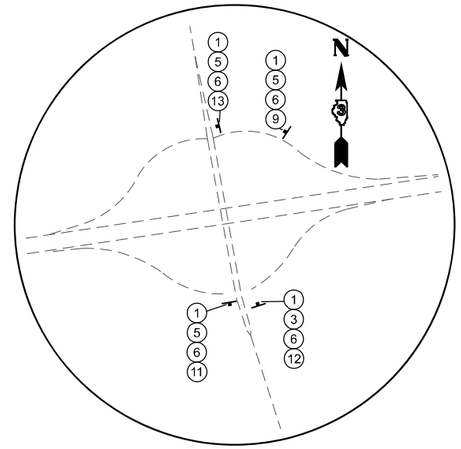
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	40
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL PLAN LEGEND

		SIGN NAME	SIZE STATE HWY	SIZE INTERSTATE
ALT	1	M4-8	24X12	30X15
NORTH	2	M3-1	24X12	30X15
EAST	3	M3-2	24X12	30X15
SOUTH	4	M3-3	24X12	30X15
WEST	5	M3-4	24X12	30X15
80	6	M1-1	24X24	36X36
	7	M5-2	N/A	30X21
	8	M6-2	N/A	30X21
	9	M5-1L	21X15	N/A
	10	M5-1R	21X15	N/A
	11	M6-3	21X15	30X21
	12	M6-1R	21X15	30X21
	13	M6-1L	21X15	30X21



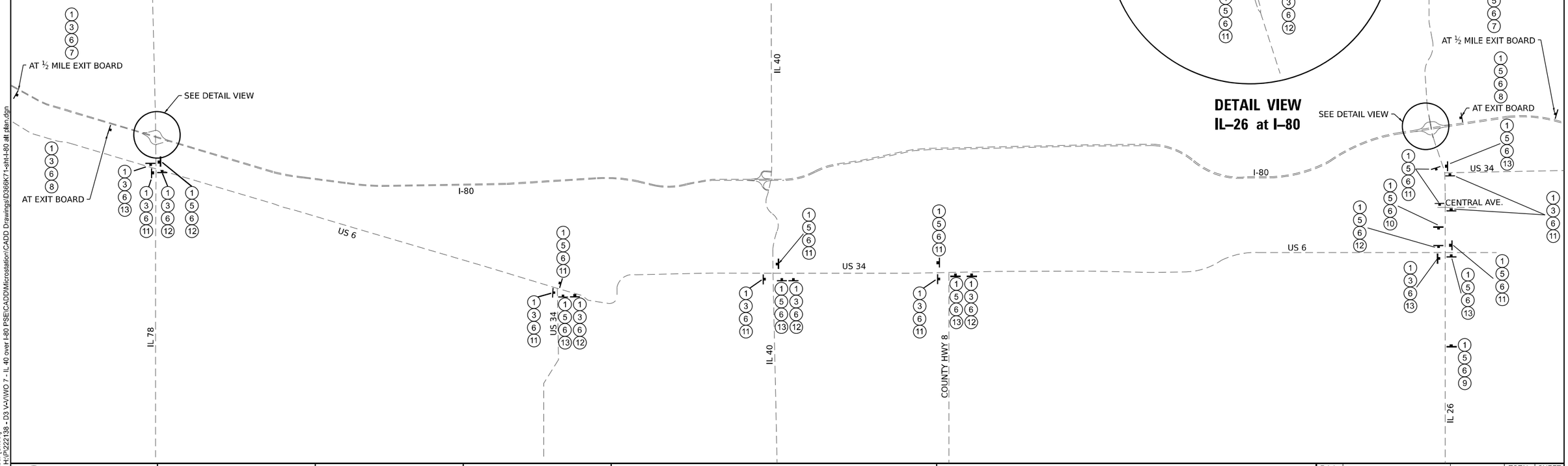
DETAIL VIEW
IL–78 at I–80



DETAIL VIEW
IL–26 at I–80

NOTES:

1. SIGNS MAY BE FIXED TO EXISTING POSTS WHEN PRACTICAL, ELSE SIGNS SHALL BE POST MOUNTED TO WOOD OR TELESCOPING SIGN SUPPORTS.
2. MAINTAIN ACCESS TO RAMP C DURING 15 MIN. CLOSURES.



MODEL: Detour [Sheet]
FILE NAME: H:\P22138 - D3 VARIOUS 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-I-80 alt plan.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

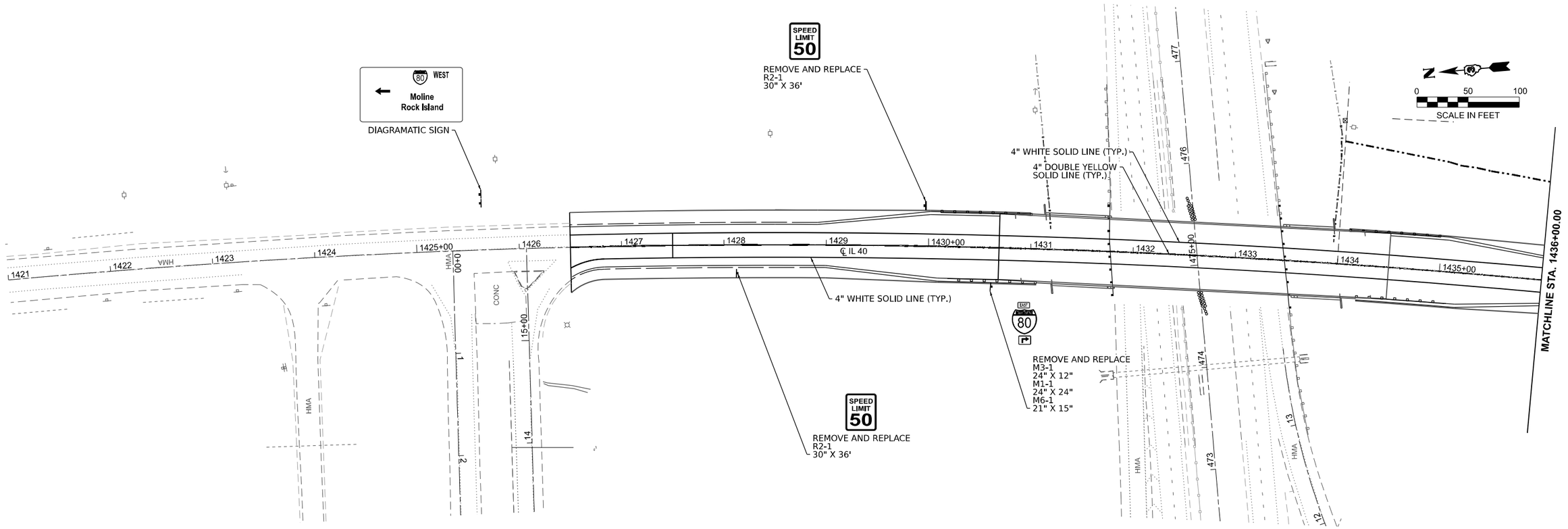
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -

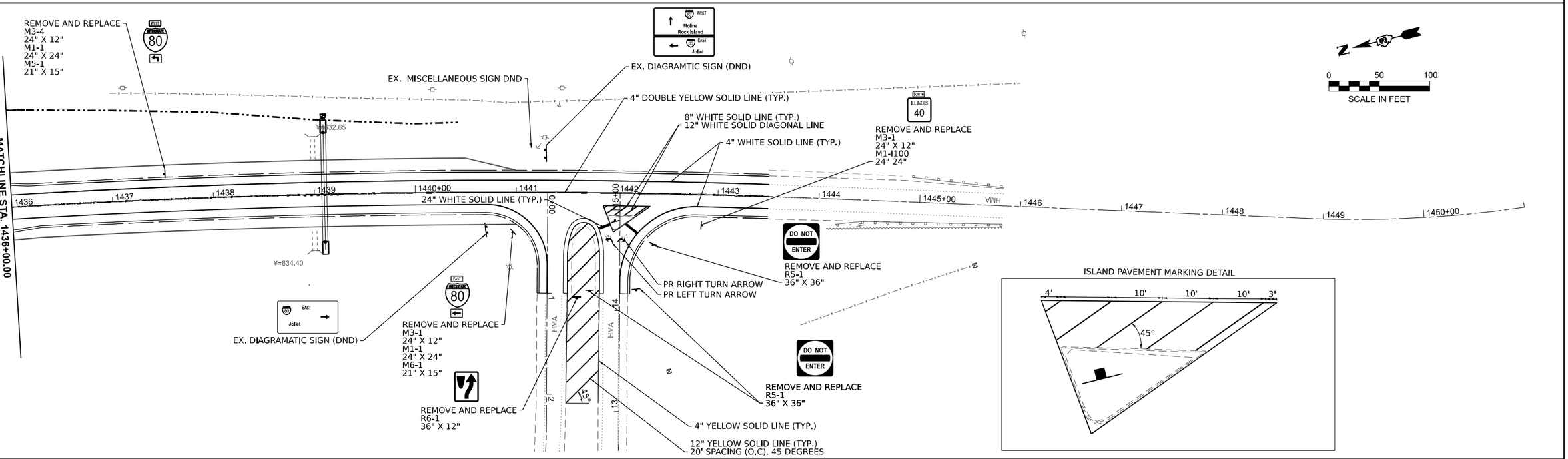
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 ALTERNATE ROUTE FOR 15 MIN CLOSURE
TRAFFIC CONTROL PLAN

SCALE: | SHEET 17 OF 17 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	41
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		





MODEL: Ex-IL40 - PMK and EROS [Sheet]
FILE NAME: H:\P\222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-pmk.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

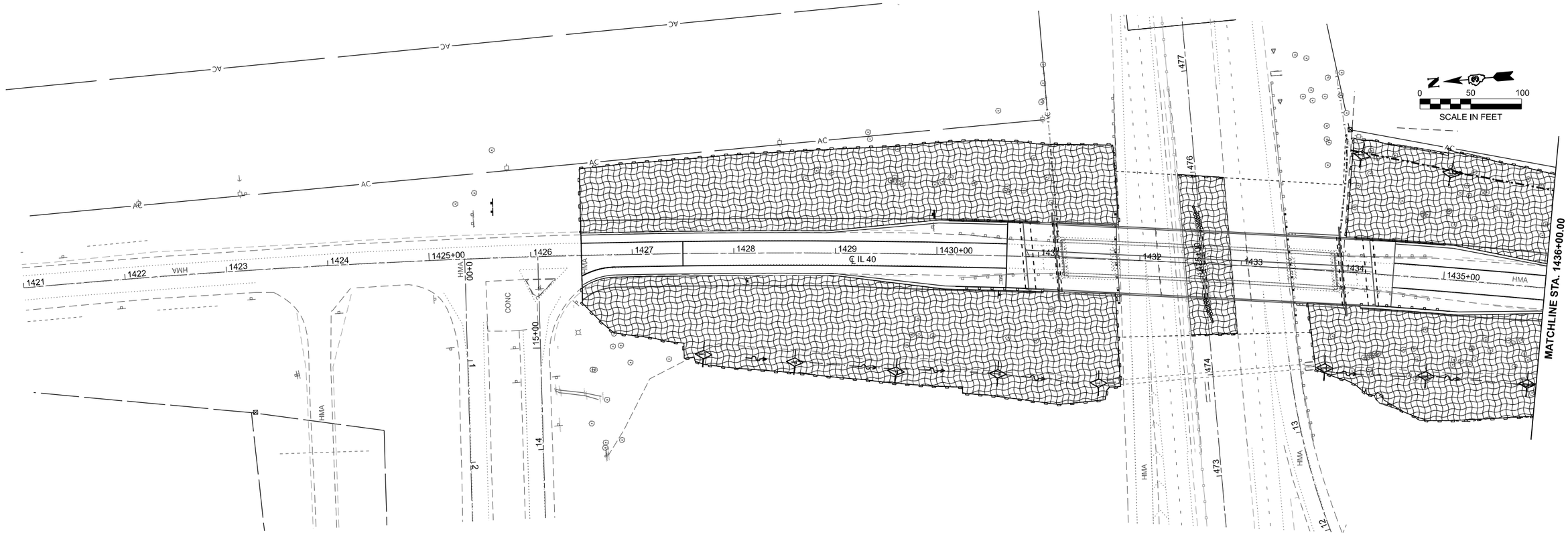
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/10/2025	DATE -	REVISED -

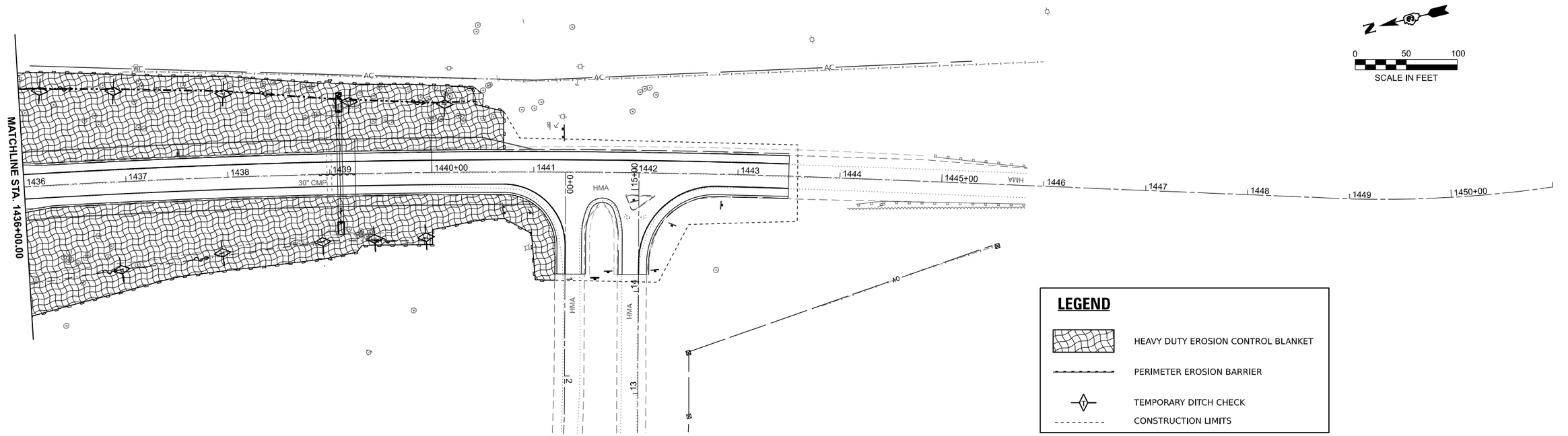
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE SHEET

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 1421+00.00 | TO STA. 1451+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	42
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			





MODEL: Ex-IL40 - PMK and EROS [Sheet]
FILE NAME: H:\P222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-eros.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

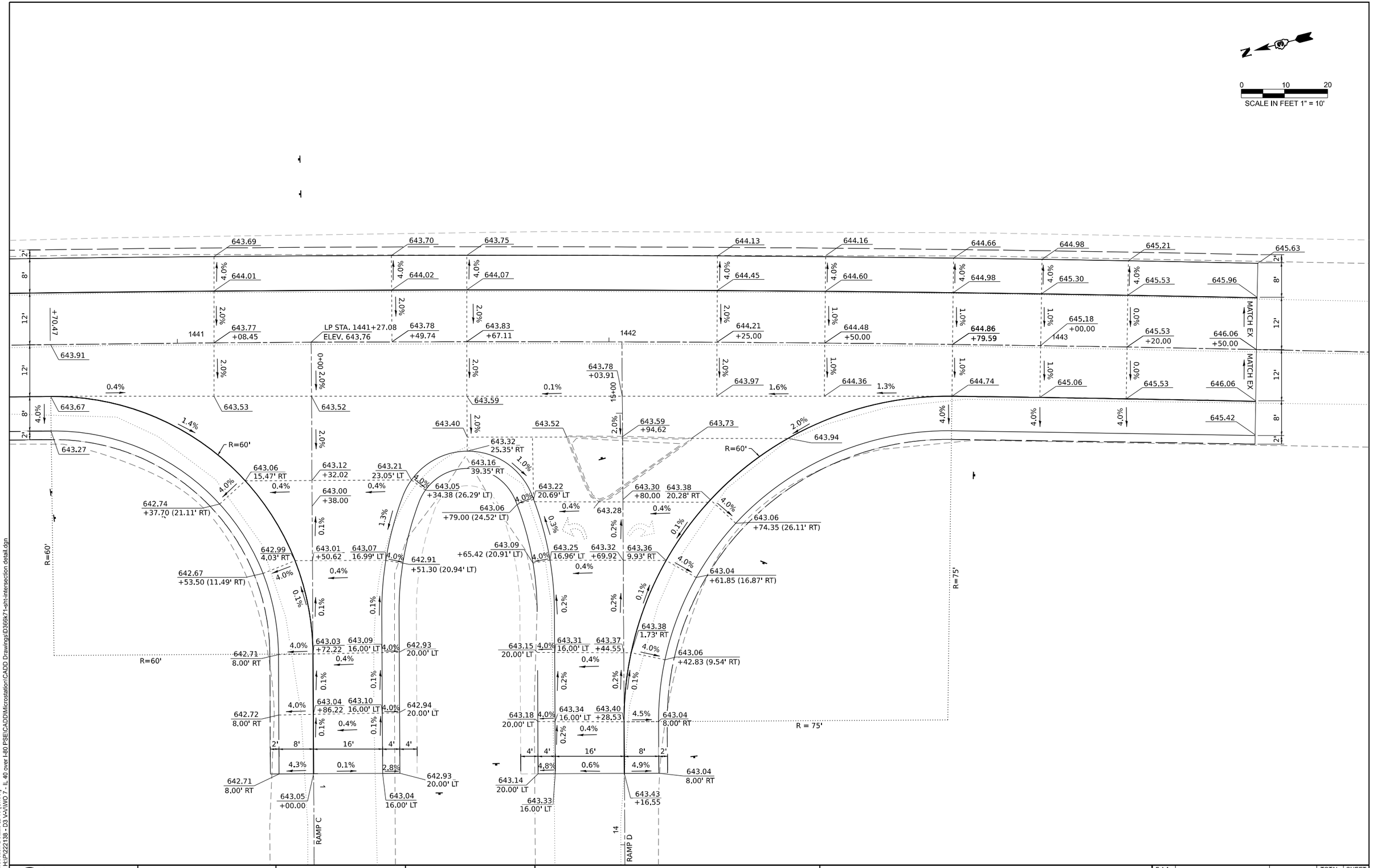
EROSION CONTROL SHEET

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 1421+00.00 | TO STA. 1451+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	43

CONTRACT NO. 66K71

ILLINOIS | FED. AID PROJECT



MODEL: Intersection Details IL 40 [Sheet]
FILE NAME: H:\P222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366k71-sht-intersection detail.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	44
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

LIGHTING LEGEND

OR — PROPOSED LIGHT POLE (OUTPUT DESIGNATION G), ALUMINUM LIGHT POLE, 45 FT. M.H.,15 FT. MAST ARM.

EXISTING HIGH MAST POLE

EXISTING LIGHTING CONTROLLER

EXISTING UNIT DUCT

EXISTING CONDUIT

PROPOSED UNIT DUCT

PROPOSED CONDUIT

CIRCUIT IDENTIFICATION
POLE'S NUMBER
D 9
E 10

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
COMED	COMMONWEALTH EDISON COMPANY
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EX.	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LP	LIGHT POLE
LTFM	LIQUID TIGHT FLEXIBLE METALLIC
LPS	LOW PRESSURE SODIUM
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
XFMR	TRANSFORMER
TYP	TYPICAL
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUCT, GALVANIZED STEEL
V	VOLTS
W	WATTS
WP	WOOD POLE

CABLE/CONDUIT LEGEND

(A) UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE.

(B) UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE.

(C) 2-UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE.

(D) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.

(E) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.

(F) EXISTING UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.

BILL OF MATERIALS

ITEM NAME	UNITS	QUANTITY
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	383
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	358
UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	9,910
UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	2,959
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	58
LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM	EACH	44
LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. MAST ARM-TWIN	EACH	7
LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8 5/8" X 6	EACH	51
BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	204
REMOVAL OF LIGHTING TOWER, NO SALVAGE	EACH	4
REMOVAL OF POLE FOUNDATION	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	403

GENERAL NOTES

1. ALL LUMINAIRES SHALL BE ORIENTED WITH OPTICS PERPENDICULAR TO THE ROADWAY.
2. ALL WORK SHALL CONFORM TO THE LATEST IDOT DISTRICT THREE STANDARDS, THE NATIONAL ELECTRICAL CODE, AND THE NATIONAL ELECTRICAL SAFETY CODE.
3. ALL MEASUREMENTS ARE APPROXIMATE, THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING INSTALLATION AND DATA PRIOR TO BIDDING.
5. EXISTING HIGH MAST TOWERS LIGHTING SHALL REMAIN OPERATIONAL UNTIL THE NEW LIGHTS ARE INSTALLED AND OPERATIONAL. THE HIGH MAST TOWERS AND LIGHTING SHALL BE REMOVED AFTER THE NEW LIGHTS ARE IN OPERATION.

LICENSED PROFESSIONAL ENGINEER — FRANKLIN P. EPPERT 062-024057 — STATE OF ILLINOIS

ABNA INGINEERING, INC.
FRANK P. EPPERT, P.E.
#062-024057

EXPIRATION: 11/30/2025

DATE: 04/28/2025

SIGNATURE AND SEAL
APPLY TO SHEETS: 45 - 50

MODEL: Gennote
FILE NAME: J:\2024\603310\CaddDesign\D366K71-gennotes.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
www.abnacorp.com

USER NAME = lkongelo	DESIGNED - FPE	REVISED -	
	DRAWN - LNK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 4/25/2025	DATE - 03/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
GENERALE NOTES, HIGHWAY STANDARDS, AND BILL OF MATERIALS

SCALE: | SHEET 1 OF 8 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	45
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

LIGHTING SCHEDULE

ROADWAY	REFERENCE ALIGNMENT	STATION	OFFSET	LOCATION/ LIGHT POLE	82110007 LUM LED RDWY G	83009600 LT P A 45MH 15MA	83009601 LT P A 45MH 15MA-TW	83600356 LP F M 15BC 8 5/8X6	83800650 BKWY DEV COU SS SCRN
		FT	FT		EACH	EACH	EACH	EACH	EACH
I-80	ExUS80	455+24.32	81.27 LT	F14	1	1		1	4
I-80	ExUS80	457+54.27	87.10 LT	F13	1	1		1	4
I-80	ExUS80	459+84.2	92.06 LT	F12	1	1		1	4
I-80	ExUS80	462+14.18	94.78 LT	F11	1	1		1	4
RAMP A	EX RAMP A	14+78.52	14.70 RT	F10	1	1		1	4
RAMP A	EX RAMP A	12+53.14	15.55 RT	F9	1	1		1	4
RAMP A	EX RAMP A	10+36.26	14.21 RT	F8	1	1		1	4
RAMP A	EX RAMP A	7+96.27	38.20 LT	E15&E16	2		1	1	4
RAMP A	EX RAMP A	5+35.75	36.18 LT	E13&E14	2		1	1	4
RAMP A	EX RAMP A	3+06.33	36.30 LT	E11&E12	2		1	1	4
RAMP A	EX RAMP A	0+76.33	36.03 LT	E9&E10	2		1	1	4
RAMP B	EX RAMP B	7+00.78	16.17 RT	F7	1	1		1	4
RAMP B	EX RAMP B	4+68.89	14.80 RT	F6	1	1		1	4
RAMP B	EX RAMP B	2+39.81	15.80 RT	F5	1	1		1	4
I-80	ExUS80	464+45.33	72.24 LT	F4	1	1		1	4
I-80	ExUS80	467+25.33	74.40 LT	F3	1	1		1	4
I-80	ExUS80	470+05.21	71.91 LT	F2	1	1		1	4
I-80	ExUS80	470+06.48	71.83 RT	D18	1	1		1	4
I-80	ExUS80	467+26.54	72.25 RT	D19	1	1		1	4
I-80	ExUS80	464+46.48	72.50 RT	D20	1	1		1	4
I-80	ExUS80	455+29.3	74.32 RT	D27	1	1		1	4
I-80	ExUS80	457+59.00	85.96 RT	D26	1	1		1	4
I-80	ExUS80	459+88.72	97.47 RT	D25	1	1		1	4
I-80	ExUS80	462+18.18	113.17 RT	D24	1	1		1	4
RAMP D	EX RAMP D	2+75.74	24.92 RT	D23	1	1		1	4
RAMP D	EX RAMP D	4+99.08	21.34 RT	D22	1	1		1	4
RAMP D	EX RAMP D	7+21.09	17.52 RT	D21	1	1		1	4
RAMP D	EX RAMP D	9+44.21	38.33 LT	D14&D15	2		1	1	4
RAMP D	EX RAMP D	12+04.21	38.67 LT	D12&D13	2		1	1	4
RAMP D	EX RAMP D	14+42.15	36.80 LT	D10&D11	2		1	1	4
I-80	ExUS80	471+57.97	108.27 LT	F1	1	1		1	4
I-80	ExUS80	473+71.61	96.02 LT	E1	1	1		1	4
RAMP C	EX RAMP C	11+19.86	14.75 RT	D9	1	1		1	4
RAMP C	EX RAMP C	13+40.63	15.88 RT	D8	1	1		1	4
RAMP C	EX RAMP C	6+69.38	14.98 RT	D16	1	1		1	4
RAMP C	EX RAMP C	8+94.69	15.02 RT	D17	1	1		1	4
IL 40	Ex-IL 40	1440+40.96	27.99 RT	D5	1	1		1	4
IL 40	Ex-IL 40	1442+49.74	28.00 LT	D28	1	1		1	4
IL 40	Ex-IL 40	1438+90.88	28.00 LT	D1	1	1		1	4
IL 40	Ex-IL 40	1437+39.92	27.99 RT	D6	1	1		1	4
IL 40	Ex-IL 40	1435+91.95	30.63 LT	D2	1	1		1	4
IL 40	Ex-IL 40	1434+39.08	39.97 RT	D7	1	1		1	4
IL 40	Ex-IL 40	1434+30.78	39.98 LT	D3	1	1		1	4
I-80	ExUS80	476+07.76	86.81 RT	D4	1	1		1	4
I-80	ExUS80	476+01.26	83.35 LT	E8	1	1		1	4
IL 40	Ex-IL 40	1430+80.07	40.02 RT	E2	1	1		1	4
IL 40	Ex-IL 40	1430+80.05	40.00 LT	E7	1	1		1	4
IL 40	Ex-IL 40	1429+36.95	32.73 LT	E6	1	1		1	4
IL 40	Ex-IL 40	1427+89.02	27.99 RT	E3	1	1		1	4
IL 40	Ex-IL 40	1426+48.05	27.00 LT	E5	1	1		1	4
IL 40	Ex-IL 40	1424+58.48	27.41 LT	E4	1	1		1	4
TOTAL					58	44	7	51	204

LIGHTING SCHEDULE

ROADWAY	REFERENCE ALIGNMENT	FROM STA	TO STA	FROM	TO	81603030 UD 2 #4 #6G XLPUSE 1	81603038 UD 2 #2 #6G XLPUSE 1.5P	81028750 UNDRGRD C CNC 2	81028790 UNDRGRD C CNC 4
		FT	FT			FOOT	FOOT	FOOT	FOOT
I-80	ExUS80	455+24.32	457+54.25	F14	F13	230.00			
I-80	ExUS80	457+54.25	459+84.20	F13	F12	230.00			
I-80	ExUS80	459+84.20	462+14.18	F12	F11	230.00			
I-80	ExUS80	455+29.30	457+59.00	D27	D26	230.00			
I-80	ExUS80	457+59.00	459+88.72	D26	D25	230.00			
I-80	ExUS80	459+88.72	462+18.18	D25	D24	230.00			
I-80	ExUS80	470+05.21	467+25.33	F2	F3	280.00			
I-80	ExUS80	467+25.35	464+46.48	F3	F4	280.00			
I-80	ExUS80	464+46.48	467+26.48	D20	D19	280.00			
I-80	ExUS80	467+26.48	470+06.48	D19	D18	280.00			
I-80	ExUS80	470+06.48	471+68.27	D18	D9	179.00		37.28	
I-80	ExUS80	472+53.92	472+53.92	-100.00	112.40				212.41
RAMP B	EX RAMP B	15+13.21	12+83.21	E9&E10	E11&E12	230.00			
RAMP B	EX RAMP B	12+83.21	10+53.80	E11&E12	E13&E14	230.00			
RAMP B	EX RAMP B	10+53.80	8+43.19	E13&E14	E15&E16	235.02			
RAMP B	EX RAMP B	6+68.84	7+00.78	F8	F7	122.73		74.15	
RAMP B	EX RAMP B	7+00.78	4+68.89	F7	F6	217.92			
RAMP B	EX RAMP B	4+68.89	2+39.81	F6	F5	217.14			
RAMP B	EX RAMP B	2+39.81	0+18.05	F5	F1	215.87			
RAMP B	EX RAMP B	0+18.05	1+57.72	F1	F2	158.00		42.28	
RAMP A	EX RAMP A	10+36.26	12+53.14	F8	F9	214.99			
RAMP A	EX RAMP A	12+53.14	14+78.52	F9	F10	216.16			
RAMP A	EX RAMP A	14+78.52	17+03.50	F10	F11	216.11			
RAMP D	EX RAMP D	0+51.36	2+75.74	D24	D23	215.44			
RAMP D	EX RAMP D	2+75.74	4+99.08	D23	D22	215.36			
RAMP D	EX RAMP D	4+99.08	7+21.09	D22	D21	215.66			
RAMP D	EX RAMP D	7+21.09	9+41.71	D21	D14&D15	267.52			
RAMP C	EX RAMP C	0+74.71	2+97.88	D10&D11	D12&D13		230.53		
RAMP C	EX RAMP C	2+97.88	5+06.79	D12&D13	D14&D15		237.67		
RAMP C	EX RAMP C	5+06.79	6+69.38	D14&D15	D16	197.61			
RAMP C	EX RAMP C	6+69.38	8+94.69	D16	D17	216.84			
RAMP C	EX RAMP C	8+94.69	11+19.86	D17	D9	217.00			
RAMP C	EX RAMP C	11+19.86	13+40.63	D9	D8	216.00			
IL 40	Ex-IL 40	1441+05.82	1431+84.90	EXT LGT CONTR	E1		1113.41		
IL 40	Ex-IL 40	1441+05.82	1432+00.00	EXT LGT CONTR	F1		1094.96		
IL 40	Ex-IL 40	1440+92.33	1440+92.33	-27.66	30.06				59.63
IL 40	Ex-IL 40	1440+40.96	1437+40.11	D5	D6	300.00			
IL 40	Ex-IL 40	1437+40.11	1434+38.85	D6	D7	300.47			
IL 40	Ex-IL 40	1434+38.85	1433+74.74	D7	D8	101.53			
IL 40	Ex-IL 40	1441+05.82	1442+49.74	EXT LGT CONTR	D28		150.14		
IL 40	Ex-IL 40	1441+66.52	1442+49.74	D10&D11	D28		131.95		110.79
IL 40	Ex-IL 40	1442+49.74	1438+91.02	D28	D1	350.12			
IL 40	Ex-IL 40	1438+91.02	1435+91.95	D1	D2	297.50			
IL 40	Ex-IL 40	1435+91.95	1434+30.86	D2	D3	161.97			
IL 40	Ex-IL 40	1434+30.86	1433+34.24	D3	D4	120.38			
IL 40	Ex-IL 40	1431+84.90	1430+80.05	E1	E2	150.65			
IL 40	Ex-IL 40	1430+80.05	1427+89.02	E2	E3	290.06			
IL 40	Ex-IL 40	1427+89.02	1425+70.70	E3	E9&E10	228.00		68.65	
IL 40	Ex-IL 40	1425+70.70	1424+58.66	E9&E10	E4	152.73		135.39	
IL 40	Ex-IL 40	1426+48.05	1424+58.66	E5	E4	190.00			
IL 40	Ex-IL 40	1429+36.95	1426+48.05	E6	E5	290.00			
IL 40	Ex-IL 40	1431+68.43	1430+80.02	E8	E7	98.04			
IL 40	Ex-IL 40	1430+80.02	1429+36.95	E7	E6	143.85			
TOTAL						9910	2959	358	383

LIGHTING REMOVAL SCHEDULE

ROADWAY	REFERENCE ALIGNMENT	STATION	OFFSET	LOCATION /LIGHT POLE	84200605 REM LT TWR NO SAL	84200804 REM POLE FDN	89502300 REM ELCBL FR CON
			FT		EACH	EACH	FOOT
I-80	I-80	460+53	123.0	-	1	1	
IL 40	IL 40	1440+93	74.28	-	1	1	
I-80	I-80	473+09	140.4	-	1	1	
RAMP B	RAMP B	15+14	37.7	-	1	1	
TOTAL					4	4	403

MODEL: Schedule Lighting
FILE NAME: J:\2024\6933\0\Cadd\Design\D366K71-schedule lighting.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com

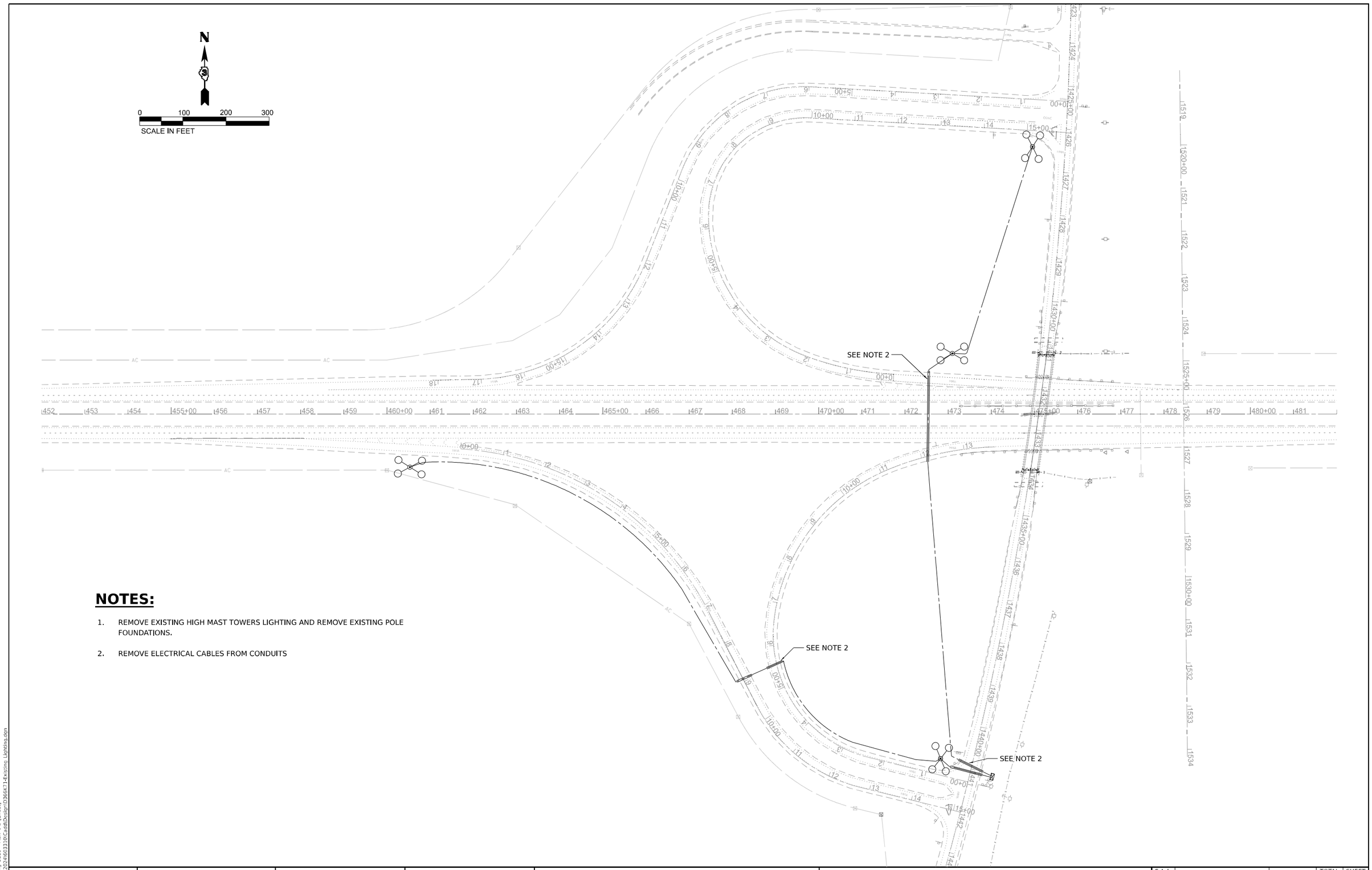
USER NAME = lkongelo	DESIGNED - FPE	REVISED -	
	DRAWN - LNK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 4/25/2025	DATE - 03/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
SCHEDULE OF QUANTITIES

SCALE: | SHEET 2 OF 8 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	46
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. REMOVE EXISTING HIGH MAST TOWERS LIGHTING AND REMOVE EXISTING POLE FOUNDATIONS.

2. REMOVE ELECTRICAL CABLES FROM CONDUITS

MODEL: Existing US80 - Plan 1-2 [Sheet]
FILE NAME: J:\2024\60331\0\Cadd\Design\D366K71-Existing Lighting.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-681-4788
www.abnacorp.com

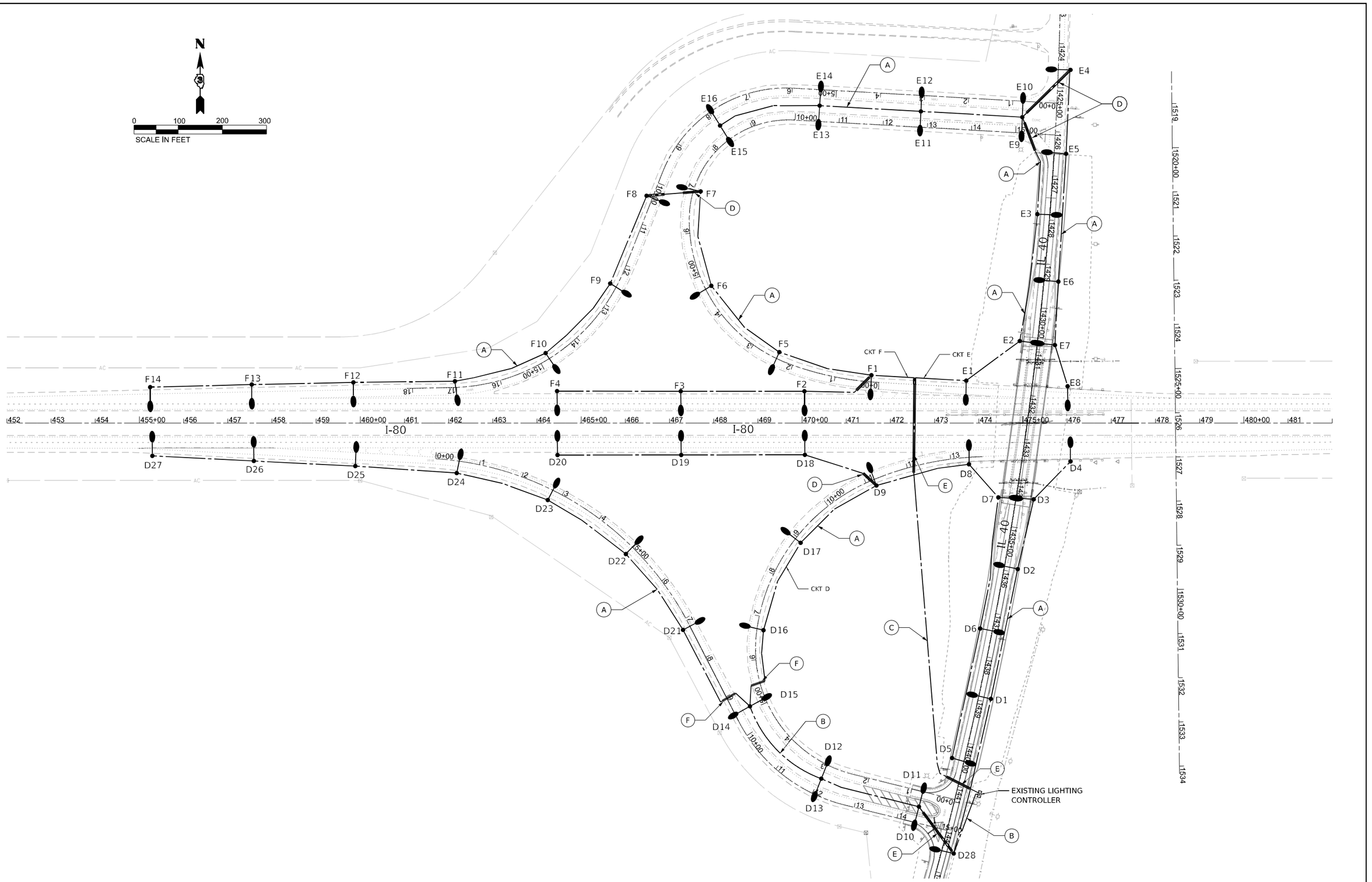
USER NAME = lkongolo	DESIGNED - FPE	REVISED -	
	DRAWN - LNK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 4/25/2025	DATE - 03/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
EXISTING LIGHTING REMOVAL PLAN

SCALE: 1"=100' | SHEET 3 OF 8 SHEETS | STA. 452+00.00 | TO STA. 482+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	47
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



MODEL: EX0580 - Plan 1 [Sheet]
FILE NAME: J:\2024\69331\Cadd\Design\D366K71-Proposed Lighting.dgn

ABNA
DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-681-4788
www.abnacorp.com

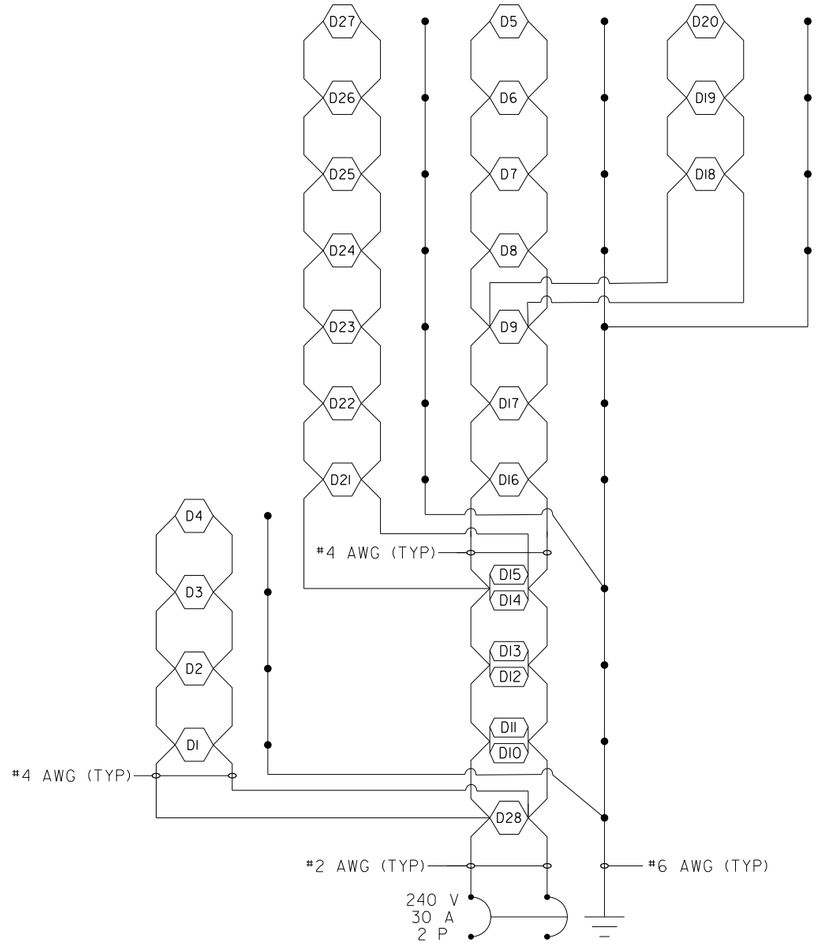
USER NAME = lkongelo	DESIGNED - FPE	REVISED -	
	DRAWN - LNK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 4/25/2025	DATE - 03/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

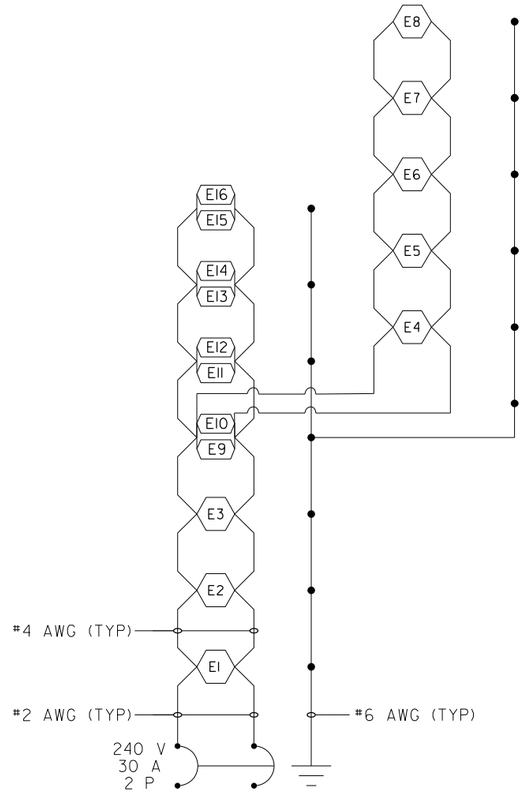
LIGHTING PLANS
PROPOSED LIGHTING PLAN

SCALE: 1"=100' | SHEET 4 OF 8 SHEETS | STA. 452+00.00 | TO STA. 482+00.00

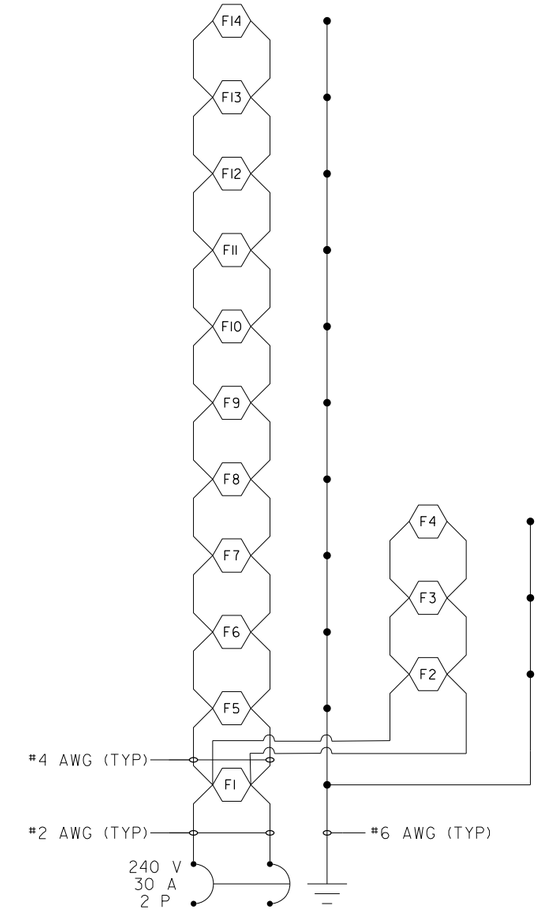
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	48
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



CIRCUIT D



CIRCUIT E



CIRCUIT F

EXISTING LIGHTING CONTROLLER ON IL 40 PROPOSED WIRING DIAGRAM

MODEL: ExISt0 - Plan 1 (Sheet)
FILE NAME: J:\2024\603310\Cadd\Design\0366K71-One Line Diagram.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-681-4788
www.abnacorp.com

USER NAME = lkongelo	DESIGNED - FPE	REVISED -	
	DRAWN - LNK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 4/25/2025	DATE - 03/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
SINGLE LINE DIAGRAM

SCALE: | SHEET 5 OF 8 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	49
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation

Luminaire Performance Table

Project

Date	Contract Number	Section Number	County
04/22/25	66K71	(06-2HB-1)BR	Bureau

Marked Route Number	Municipality
IL 40 over I-80	Unincorporated

Roadway

Lane Width (see note 4)	Number and Direction of lanes	Median Width	Surface Classification	Q-Zero Value
12'	2 lanes each direction	56'	R3	0.07

Structure

Mounting Height	Arm Length	Set-Back (see note 1)	Number of Luminaries
45'	15'	15'	N/A

Luminaire

Description	Transverse Distribution	Lateral Distribution
Luminaire, LED,Output Designation G	Type III	Medium

Total Light Loss Factor (LLF)	B-U-G Rating	Shields	Dimming Protocol
0.7	B2-U0-G3	N/A	0-10V

Layout

Spacing	Configuration
280'	Opposite

Performance (see notes 5 and 6)

Average Illuminance, E_{AVE} (fc)	Uniformity Ratio, E_{AVE}/E_{MIN}
0.6	3:1

Average Luminance, L_{AVE} (cd/m^2)	Uniformity Ratio, L_{AVE}/L_{MIN}	Uniformity Ratio, L_{MAX}/L_{MIN}	Veiling Luminance Ratio, L_V/L_{AVE}
0.4	3.5:1	6.0:1	0.3:1

Light Tresspass (see notes 5 and 7)

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E_H	Max. Vertical Illuminance at ROW, E_V
N/A	N/A	N/A

Notes

1. Set-Back is from Edge of Pavement (white line).
2. Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to the roadway.
3. Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.
4. Lane width is the width of each **individual** lane, not to be confused with total roadway width.
5. Compliance with performance criteria shall be held to one significant digit.
6. Photometric calculations for roadways shall be performed with a total light loss factor of 0.7
7. Light trespass calculations shall be performed with a total light loss factor of 1.0 and with horizontal calculations performed at grade and vertical calculations performed with calculation points located three feet above grade.
8. Luminaire performance table is intended to define the luminaire and does not necessarily match any specific roadway geometry, mounting height, setback, or arm length.

Printed 04/22/25

BDE 5630 (Rev. 06/06/24)

MODEL: Existing Lighting Plan Details
FILE NAME: J:\2024\60331\Cadd\Design\D366K71-Luminaire Performance Table.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-681-4788
www.abnacorp.com

USER NAME = lkongolo	DESIGNED - FPE	REVISED -
	DRAWN - LNK	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -
PLOT DATE = 4/25/2025	DATE - 03/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

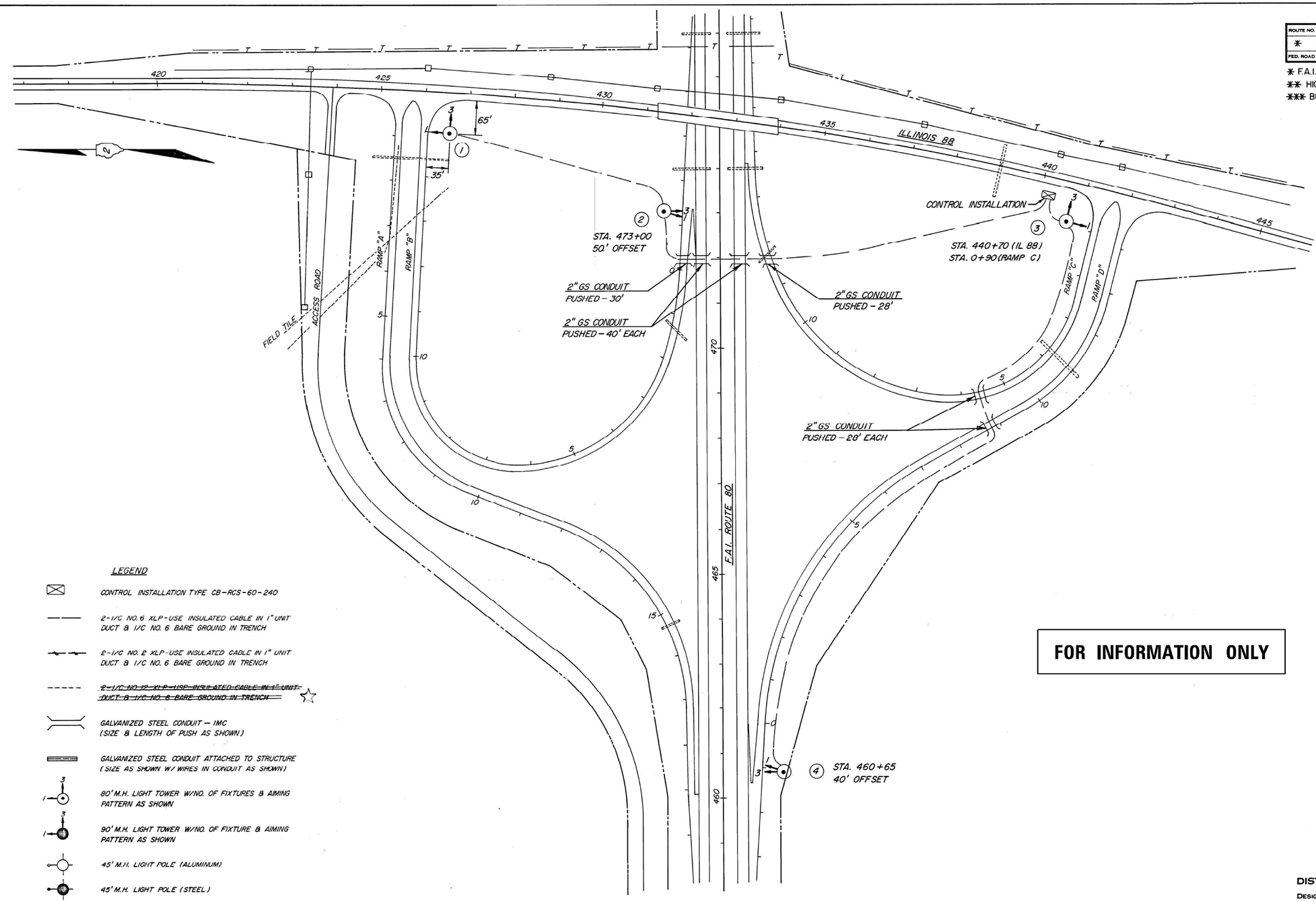
LIGHTING PLANS
LUMINAIRE PERFORMANCE TABLE

SCALE: | SHEET 6 OF 8 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	50
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	25	9
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* F.A.I. 74, 80 & 180
** HIGHWAY LIGHTING 1990-1
*** BUREAU, HENRY & LA SALLE CO.'S



LEGEND

- CONTROL INSTALLATION TYPE CB-RCS-60-240
- 2-1/C NO. 6 XLP-USE INSULATED CABLE IN 1" UNIT DUCT & 1/C NO. 6 BARE GROUND IN TRENCH
- 2-1/C NO. 2 XLP-USE INSULATED CABLE IN 1" UNIT DUCT & 1/C NO. 6 BARE GROUND IN TRENCH
- ~~2-1/C NO. 12 XLP-USE INSULATED CABLE IN 1" UNIT DUCT & 1/C NO. 6 BARE GROUND IN TRENCH~~ ☆
- GALVANIZED STEEL CONDUIT – IMC (SIZE & LENGTH OF PUSH AS SHOWN)
- GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE (SIZE AS SHOWN W/ WIRES IN CONDUIT AS SHOWN)
- 80' M.H. LIGHT TOWER W/NO. OF FIXTURES & AIMING PATTERN AS SHOWN
- 90' M.H. LIGHT TOWER W/NO. OF FIXTURE & AIMING PATTERN AS SHOWN
- 45' M.H. LIGHT POLE (ALUMINUM)
- 45' M.H. LIGHT POLE (STEEL)

FOR INFORMATION ONLY

DISTRICT NO. 2 DIXON
DESIGNED J. NORVELL
DRAWN L.D. HILL
CHECKED
DATE
SCALE 1"=100'

☆ REVISED

MODEL: Existing Lighting Plan Details
FILE NAME: J:\2024\60310\Cadd\Design\D366K7-Existing Lighting Plan Details.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
www.abnacorp.com

USER NAME = chenley	DESIGNED - FPE	REVISED -	
	DRAWN - LNK	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED - TP	REVISED -	
PLOT DATE = 5/6/2025	DATE - 03/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

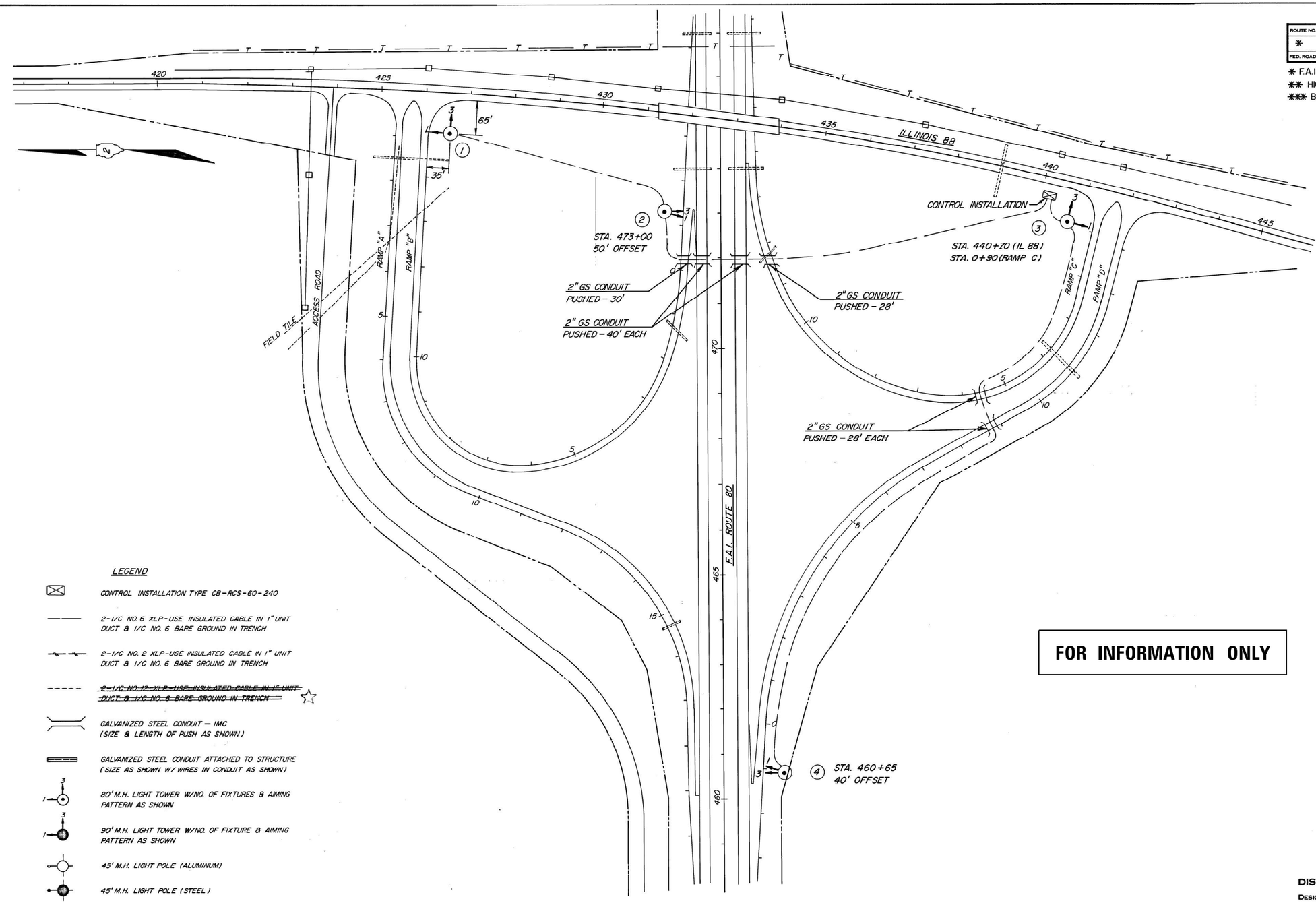
LIGHTING PLANS
EXISTING LIGHTING DETAILS

SCALE: | SHEET 7 OF 8 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	51A
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	25	9
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* F.A.I. 74, 80 & 180
** HIGHWAY LIGHTING 1990-1
*** BUREAU, HENRY & LA SALLE CO.'S



LEGEND

- CONTROL INSTALLATION TYPE CB-RCS-60-240
- 2-1/C NO. 6 XLP-USE INSULATED CABLE IN 1" UNIT DUCT & 1/C NO. 6 BARE GROUND IN TRENCH
- 2-1/C NO. 2 XLP-USE INSULATED CABLE IN 1" UNIT DUCT & 1/C NO. 6 BARE GROUND IN TRENCH
- ~~2-1/C NO. 12 XLP-USE INSULATED CABLE IN 1" UNIT DUCT & 1/C NO. 6 BARE GROUND IN TRENCH~~ ☆
- GALVANIZED STEEL CONDUIT — IMC (SIZE & LENGTH OF PUSH AS SHOWN)
- GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE (SIZE AS SHOWN W/ WIRES IN CONDUIT AS SHOWN)
- 80' M.H. LIGHT TOWER W/NO. OF FIXTURES & AIMING PATTERN AS SHOWN
- 90' M.H. LIGHT TOWER W/NO. OF FIXTURE & AIMING PATTERN AS SHOWN
- 45' M.H. LIGHT POLE (ALUMINUM)
- 45' M.H. LIGHT POLE (STEEL)

FOR INFORMATION ONLY

DISTRICT NO. 2 DIXON
DESIGNED J. NORVELL
DRAWN L.D. HILL
CHECKED
DATE
SCALE 1"=100'

☆ REVISED

MODEL: Existing Lighting Plan Details
FILE NAME: J:\2024\03310\Cadd\Design\D366K71-Existing Lighting Plan Details.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive
Suite 210
Burr Ridge, IL 60527
Ph. 773-881-4788
www.abnacorp.com

USER NAME = lkongelo	DESIGNED - FPE	REVISED -	
	DRAWN - LNK	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -	
PLOT DATE = 4/25/2025	DATE - 03/07/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
EXISTING LIGHTING DETAILS

SCALE: | SHEET 7 OF 8 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	51A
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

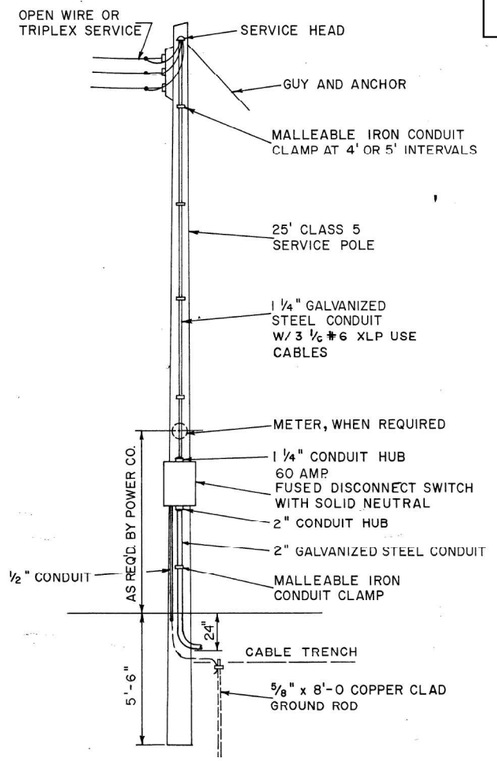
ROUTE	SECTION	COUNTY	TOT. SHTS	SHEET #
*	**	***	25	16

SHEET #

SHEETS

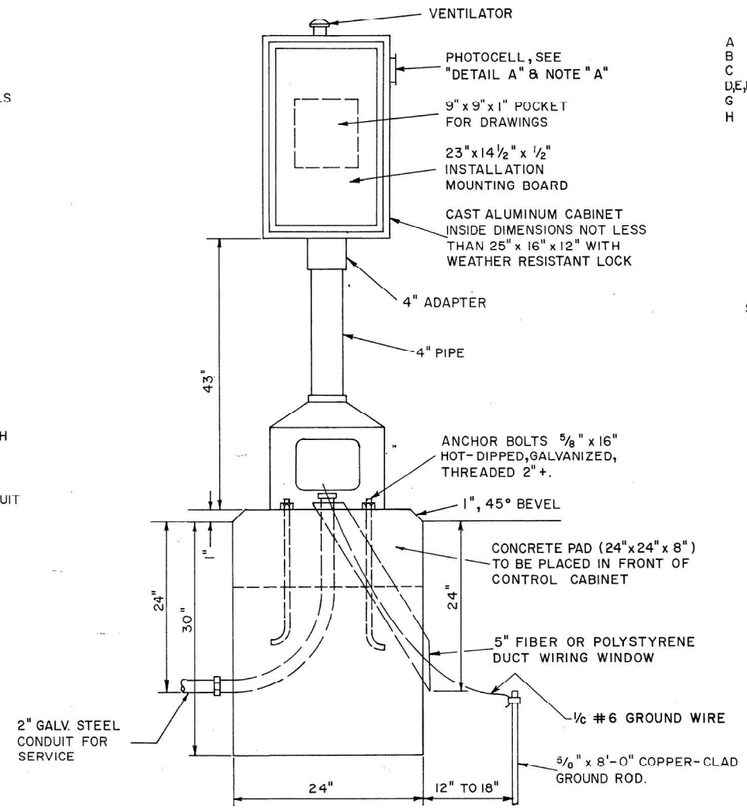
* FAI 74, 80 & 180
** HIGHWAY LIGHTING 1990-1
*** BUREAU, HENRY & LA SALLE COUNTIES

FOR INFORMATION ONLY

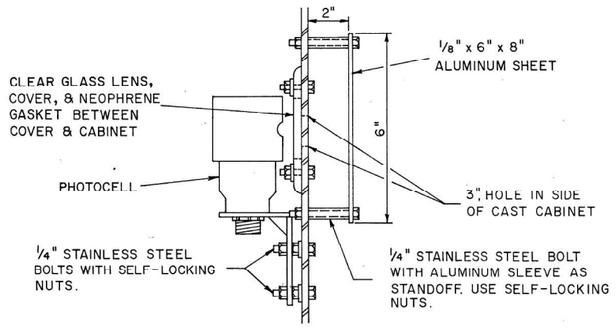


SERVICE POLE (BY CONTRACTOR)

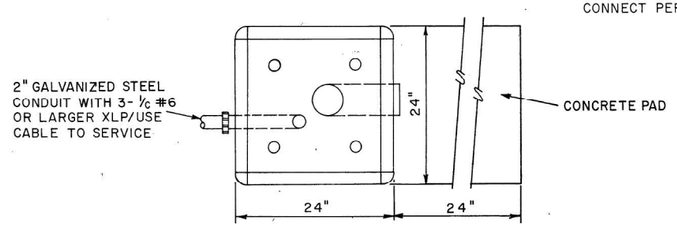
LOCATE ADJACENT TO R.O.W. LINE



CONTROL INSTALLATION

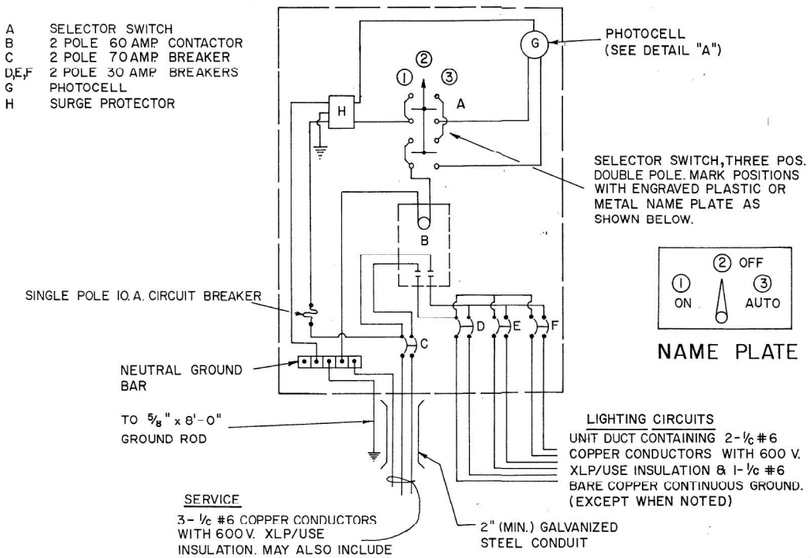


DETAIL "A"



TOP OF FOUNDATION

A SELECTOR SWITCH
B 2 POLE 60 AMP CONTACTOR
C 2 POLE 70 AMP BREAKER
D,E,F 2 POLE 30 AMP BREAKERS
G PHOTOCELL
H SURGE PROTECTOR



NAME PLATE

WIRING DIAGRAM

NOTE:
WIRING SHALL BE PANEL BOARD FASHION.
ALL BENDS SHALL BE RIGHT ANGLES. ALL RUNS SHALL BE VERTICAL OR PARALLEL TO PANEL BOARD.
WIRES SHALL BE GROUPED OR LACED.

NOTE "A"
WHERE UNMETERED SERVICE IS PROVIDED BY THE POWER COMPANY, THE PHOTOCELL, RECEPT, & WINDOW COVER MAY BE OMITTED. THE CONTRACTOR SHALL FURNISH AND INSTALL 2- 1/c #12 AND AERIAL WIRE IF REQUIRED FROM THE CONTROL INSTALLATION TO THE POWER COMPANY'S PHOTOCELL CONTROL AND CONNECT PER WIRING DIAGRAM.

NOTE "B"
THE UNDERGROUND SERVICE SHALL BE 150' MAXIMUM. TOTAL AERIAL & UNDERGOUND SERVICE BETWEEN THE CONTROL INSTALLATION AND PRIMARY TRANSFORMER SHALL BE 250'.

■ 240 V. SERVICE
□ 480 V. SERVICE

DRAWN FEB. 15, 1983 BY J. L. PUTNAM	
J.L.P	6-22-83
REV. BY J.L.P	6-8-84
REV. BY J.L.P	10-23-85
REV. BY J.L.P	10-6-86
REV. BY J.L.P	2-4-87
Rev.	2-5-88

CONTROL INSTALLATION

TYPE CB-RCS-60

MODEL: Existing Lighting Controller Details
FILE NAME: J:\2024\603310\Cadd\Design\D366K71-Existing Lighting Controller Details.dgn

ABNA DESIGN FIRM REG. 184.002117
745 McClintock Drive Suite 210 Burr Ridge, IL 60527 Ph. 773-881-4788 www.abnacorp.com

USER NAME = lkongelo	DESIGNED - FPE	REVISED -
	DRAWN - LNK	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED - TP	REVISED -
PLOT DATE = 4/25/2025	DATE - 03/07/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
EXISTING LIGHTING CONTROLLER DETAILS

SCALE: | SHEET 8 OF 8 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	51B
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

B.M.: Chis. "X" in Pole
Sta. 1426+45.26, 75.31' RT
Elev. 658.56

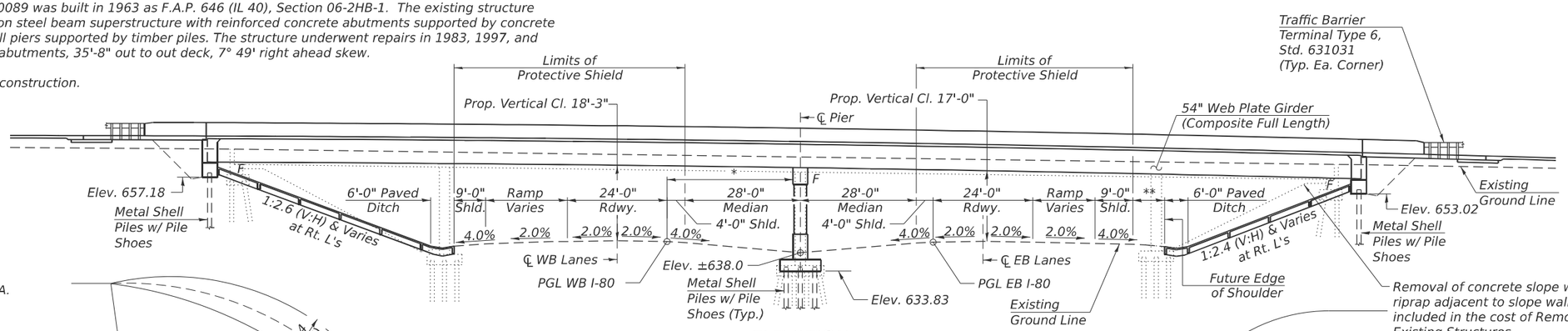
Chis. "□" in SE Corner of Bridge
Sta. 1433+91.52, 16.72' LT
Elev. 661.16

Bolt in Pole Foundation
Sta. 1440+94.66, 74.51' RT
Elev. 639.78

Existing Structure: Structure No. 006-0089 was built in 1963 as F.A.P. 646 (IL 40), Section 06-2HB-1. The existing structure is a 4 span, reinforced concrete deck on steel beam superstructure with reinforced concrete abutments supported by concrete piles and reinforced concrete solid wall piers supported by timber piles. The structure underwent repairs in 1983, 1997, and 2020. The bridge is 270'-3" bk. to bk. abutments, 35'-8" out to out deck, 7° 49' right ahead skew.

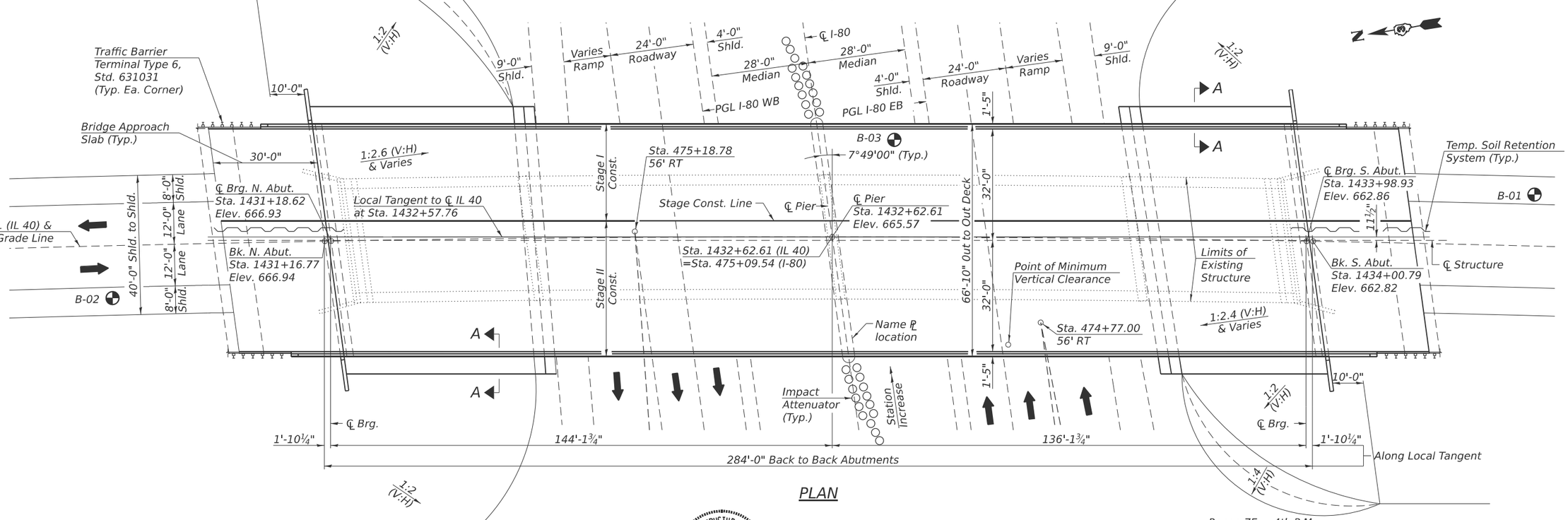
Traffic to be maintained using staged construction.

Salvage: None



Note:
See Sheet 2 of 31 for Section A-A.

ELEVATION
(Looking East)



PLAN

DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES
(FIELD UNITS)
f'c = 3,500 p.s.i. (Substructure)
f'c = 4,000 p.s.i. (Superstructure)
fy = 60,000 p.s.i. (Reinforcement)
fy = 50,000 p.s.i. (Structural Steel)
(AASHTO M270 Grade 50)

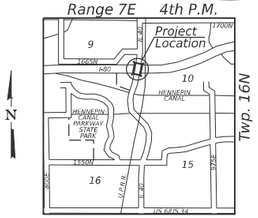
LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.095g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.151g
Soil Site Class = D

LICENSED STRUCTURAL ENGINEER
CHAOHUI LI
081-008769
SPRINGFIELD
STATE OF ILLINOIS

Chaohui Li 02/11/2025
Chaohui Li — Date
Licensed Structural Engineer
State of Illinois No. 081-008769
Expires 11/30/2026

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
IL 40 OVER I-80
FAI RTE. 80 - SEC. (06-2HB-1)ES
BUREAU COUNTY
STATION 1432+62.61
STRUCTURE NO. 006-0192

LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	USER NAME = Mike Haley	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - SJH	REVISED -	
		CHECKED - CZ	REVISED -	
	PLOT DATE = 3/7/2025	DATE - 12/01/2024	REVISED -	

SHEET 1 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	52
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\structs\N 006-0192\Final Design\CADD\ORD\CADD_Sheets\0060192-66K71-001-GPE.dgn

GENERAL NOTES

1. Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas. Bolts 7/8 in. diameter, holes 15/16 in. diameter, unless otherwise noted.

2. Calculated weight of Structural Steel = 960,140 lbs (AASHTO M270, Grade 50)
   44,190 lbs (AASHTO M270, Grade 36)

3. No field welding is permitted except as specified in the contract documents.

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

5. If the Contractor elects to use cantilever forming brackets on the exterior girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior girder at each of these additional bracket locations.

6. 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.

7. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.

8. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8.

9. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

PROP. CURVE IL 40

PI Sta. = 1432+59.98
Δ = 16° 27' 57" (RT)
D = 0° 42' 00"
R = 8,185.55'
T = 1,184.36'
L = 2,352.39'
E = 85.24'
e = 2.0%
P.C. Sta. = 1420+75.62
P.T. Sta. = 1444+28.01

STA. 1432+62.61
BUILT BY
STATE OF ILLINOIS
F.A.I. RT. 80 SEC. (06-2HB-1)ES
LOADING HL-93
STR. NO. 006-0192

NAME PLATE

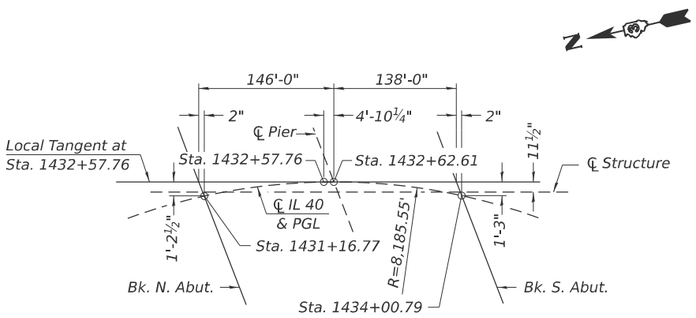
See Std. 515001

INDEX OF SHEETS

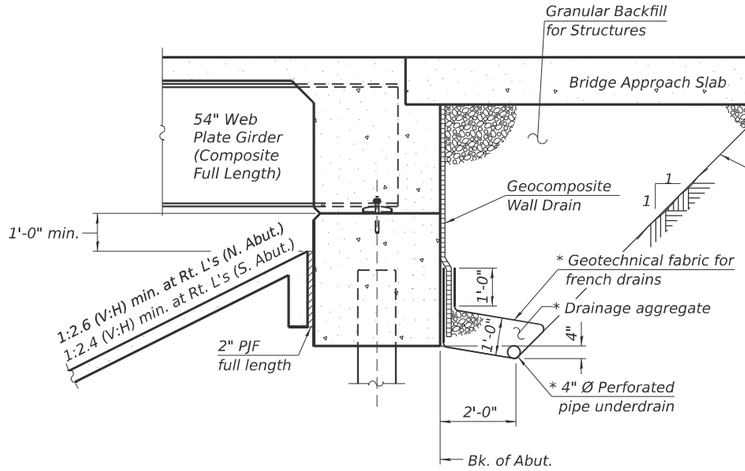
1. General Plan and Elevation
2. General Data
3. Footing Layout
4-5. Stage Construction Details
6. Temporary Concrete Barrier
7-10. Top of Slab Elevations
11-12. Top of Approach Slab Elevations
13. Superstructure
14. Superstructure Details
15. Diaphragm Details
16-18. Bridge Approach Slab Details
19. Preformed Joint Strip Seal
20. Framing Plan
21. Steel Details
22. Bearing Details
23. North Abutment
24. South Abutment
25-26. Pier
27. Metal Shell Pile Details
28. Concrete Parapet Slipforming Option
29. Bar Splicer Assembly and Mechanical Splicer Details
30-31. Soil Boring Data

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	1	-	1
Protective Shield	Sq. Yd.	803	-	803
Structure Excavation	Cu. Yd.	-	681	681
Concrete Structures	Cu. Yd.	-	310.0	310.0
Concrete Superstructure	Cu. Yd.	646.6	-	646.6
Bridge Deck Grooving	Sq. Yd.	2,648	-	2,648
Protective Coat	Sq. Yd.	2,930	-	2,930
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	7,155	-	7,155
Reinforcement Bars, Epoxy Coated	Pound	161,130	61,470	222,600
Bar Splicers	Each	999	194	1,193
Slope Wall 4 Inch	Sq. Yd	-	1,005	1,005
Furnishing Metal Shell Piles 16" x 0.375"	Foot	-	1,901	1,901
Driving Piles	Foot	-	1,901	1,901
Test Pile Metal Shells	Each	-	2	2
Pile Shoes	Each	-	48	48
Name Plates	Each	-	1	1
Preformed Joint Strip Seal	Foot	-	131	131
Anchor Bolts, 1''	Each	-	36	36
Anchor Bolts, 1 1/2''	Each	-	18	18
Temporary Soil Retention System	Sq. Ft.	-	264	264
Granular Backfill for Structures	Cu. Yd.	-	372	372
Geocomposite Wall Drain	Sq. Yd.	-	130	130
Pipe Underdrains for Structures 4"	Foot	-	219	219
Concrete Wearing Surface, 5"	Sq. Yd.	431	-	431
Precast Bridge Approach Slab	Sq. Ft.	3,956	-	3,956
Bar Terminators	Each	248	600	848



OFFSET SKETCH

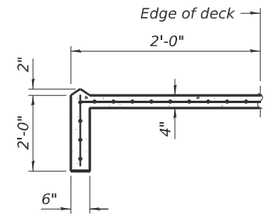


SECTION THRU INTEGRAL ABUTMENT

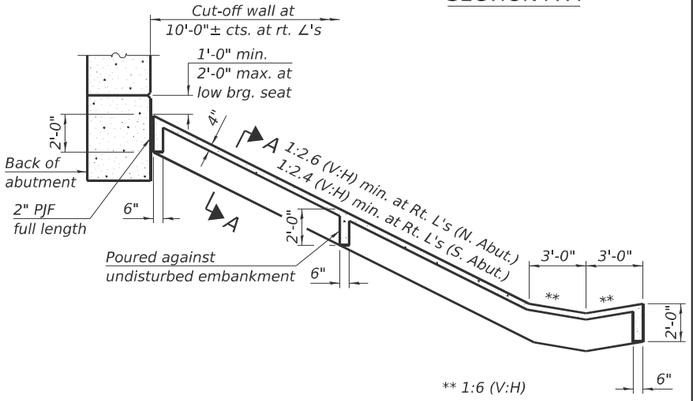
(Horiz. dim. at Rt. ∠'s)

*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).

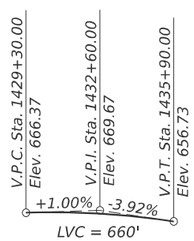


SECTION A-A



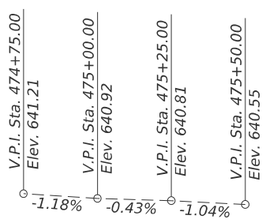
SECTION THRU CONCRETE SLOPEWALL

Note:
Slope wall shall be reinforced with welded wire fabric, 6 in. x 6 in. – W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.. Cost included with Slope Wall 4 Inch.



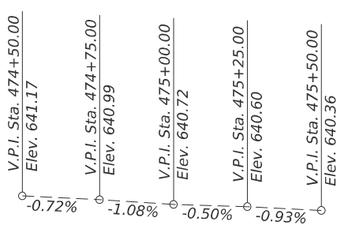
PROFILE GRADE

(Along ℄ IL 40)



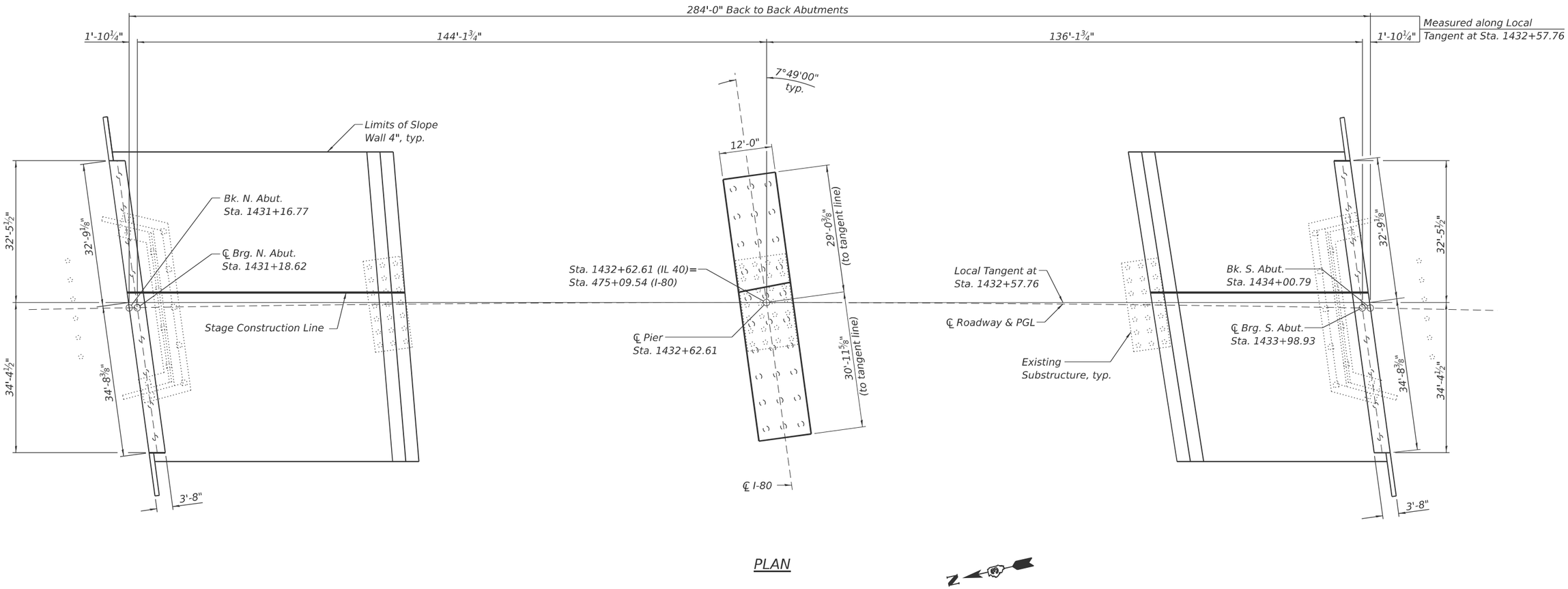
PROFILE GRADE

(Along ℄ WB I-80)



PROFILE GRADE

(Along ℄ EB I-80)

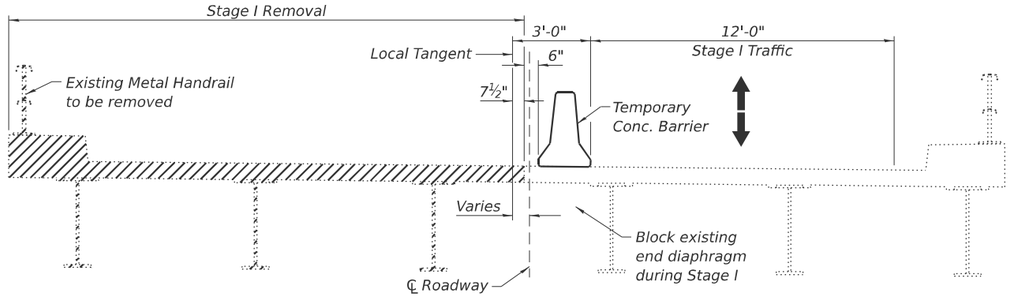


PLAN

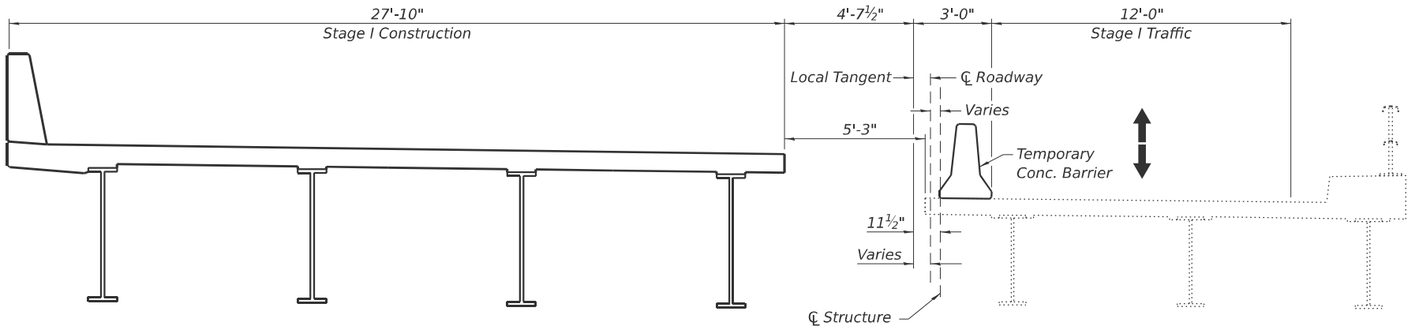
MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\(ORD)\CADD_Sheets\006192-66K71-003-FigLayout.dgn

LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FOOTING LAYOUT STRUCTURE NO. 006-0192
		DRAWN - SJH	REVISED -		
		CHECKED - CZ	REVISED -		
	PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -		SHEET 3 OF 31 SHEETS

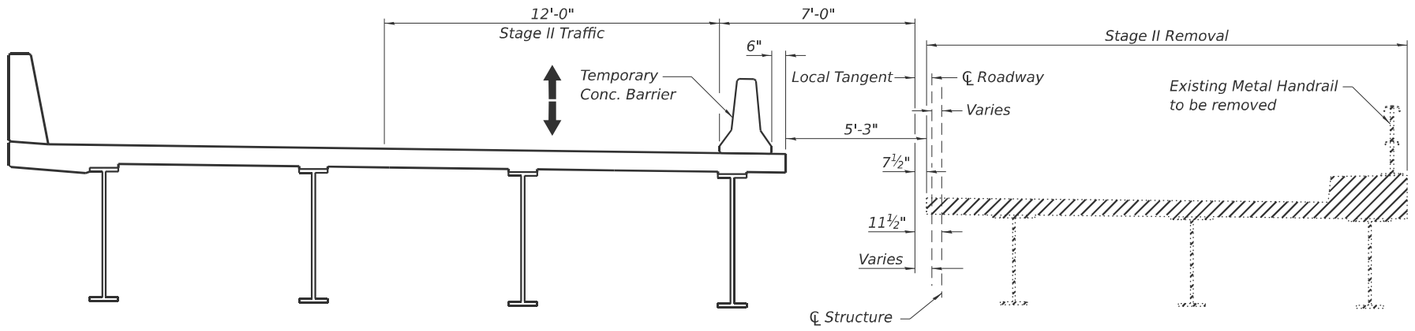
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	54
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



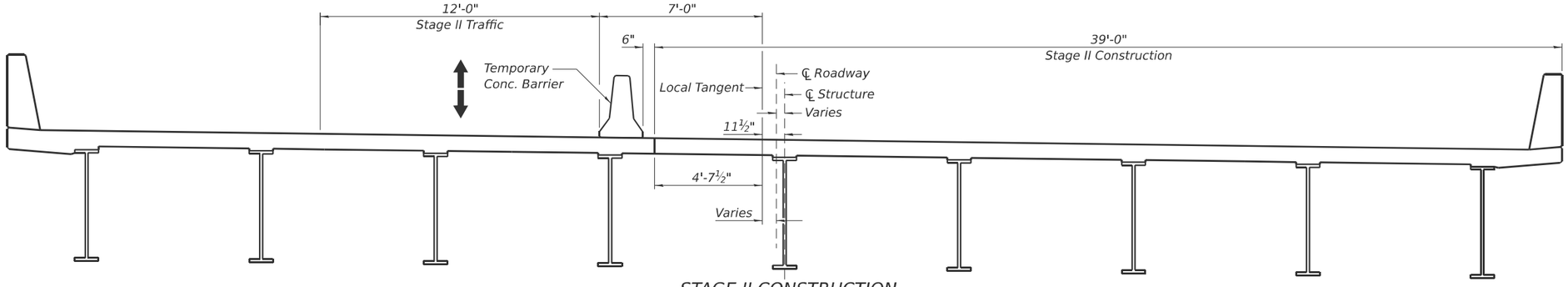
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION

Notes:

Hatching represents Removal of Existing Structures.

All sections are looking south.

See sheet 6 of 31 for Temporary Concrete Barrier Details. See roadway plans for quantity of Temporary Concrete Barrier.

Cost of removing existing bridge railing included with Removal of Existing Structures.

Stage Removal limits apply to both superstructure and substructure elements.

MODEL: Br_SheetConsultant
FILE NAME: E:\2232-7\Struct\SN 006-0192\Final Design\CADD\ORD\CADD_Sheets\006192-66K71-004-StagingDtls1.dgn

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

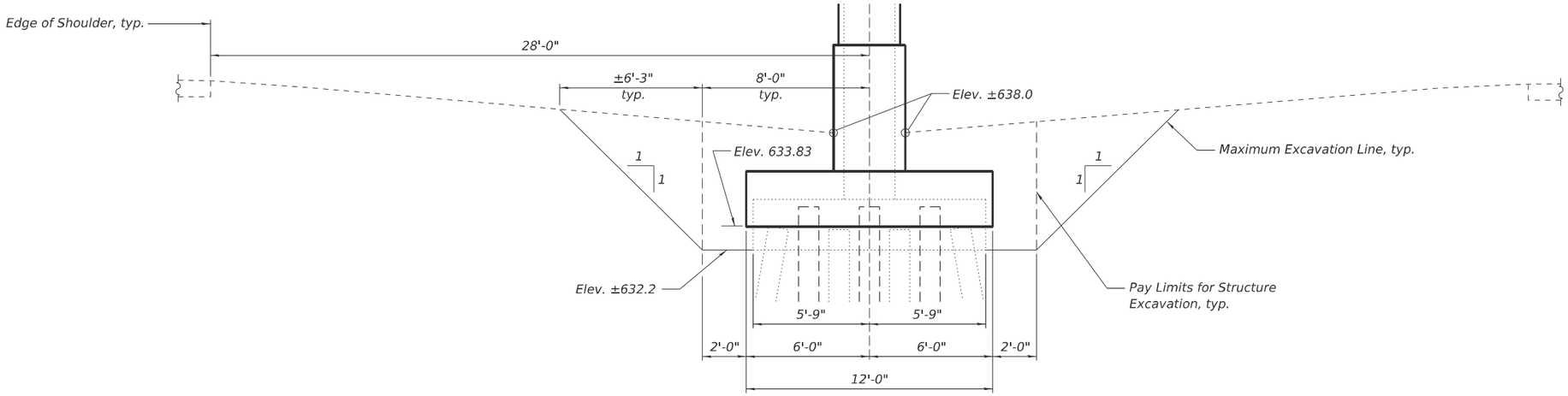
USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 006-0192

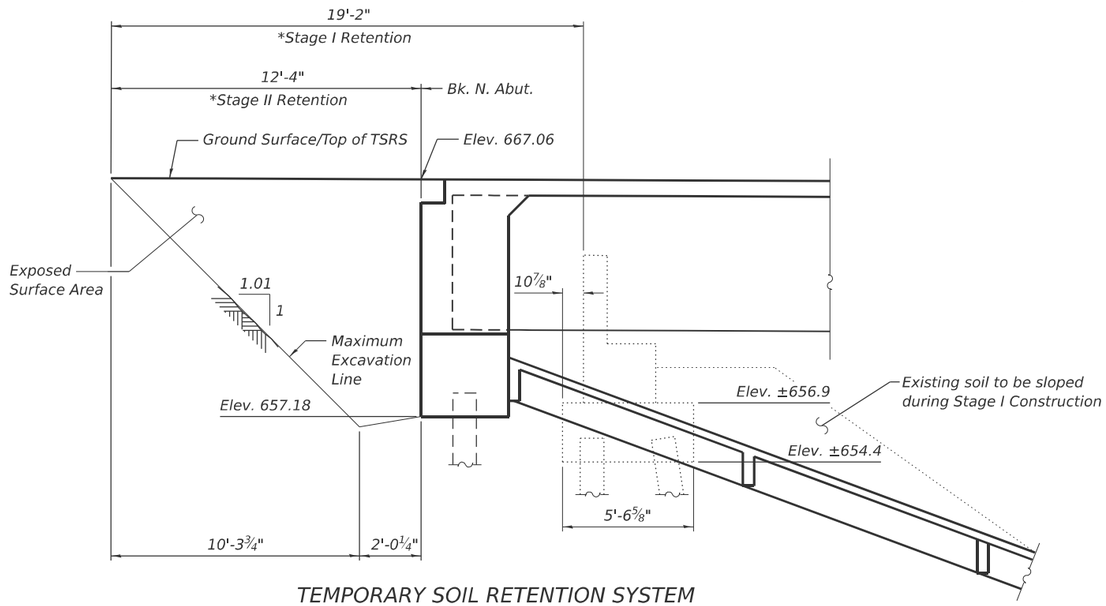
SHEET 4 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	55
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



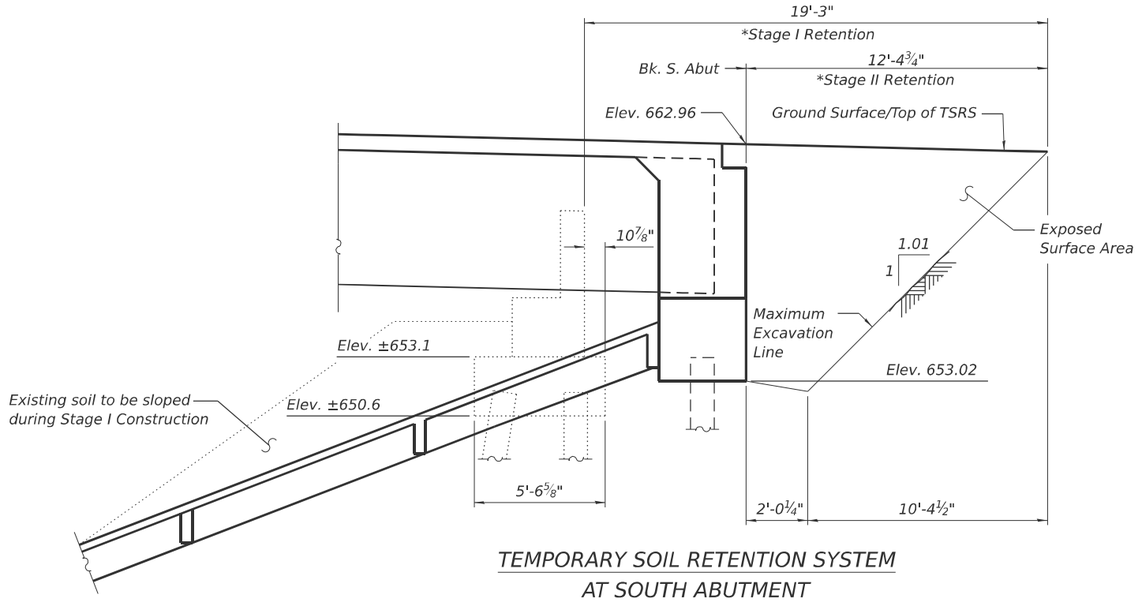
PIER SECTION

(Horizontal dimensions at right angles)



TEMPORARY SOIL RETENTION SYSTEM AT NORTH ABUTMENT

(Looking East)
(Dimensions are measured along Stage Construction Line)



TEMPORARY SOIL RETENTION SYSTEM AT SOUTH ABUTMENT

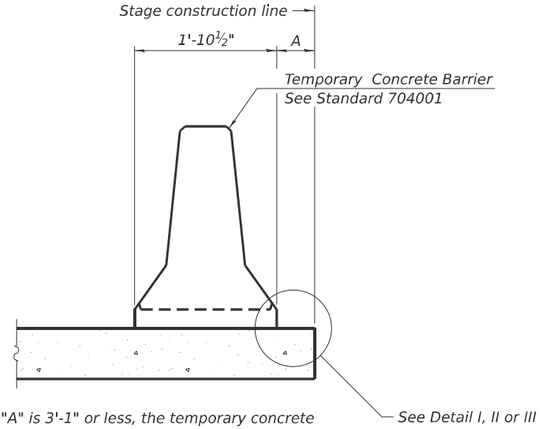
(Looking East)
(Dimensions are measured along Stage Construction Line)

* *A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.*

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\ORD\CADD_Sheets\006192-66K71-005-StagingDtls2.dgn

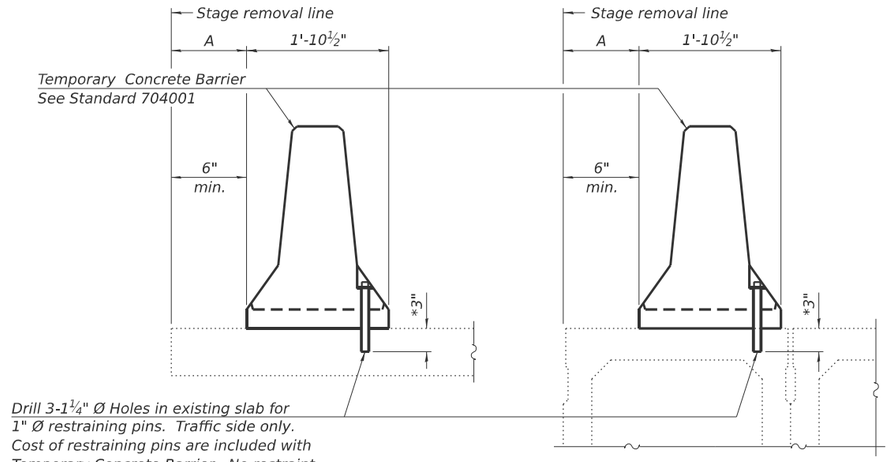
LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	USER NAME = Mike Haley	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS STRUCTURE NO. 006-0192
		DRAWN - SJH	REVISED -		
		CHECKED - CZ	REVISED -		
	PLOT DATE = 4/21/2025	DATE - 12/01/2024	REVISED -		SHEET 5 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	56
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

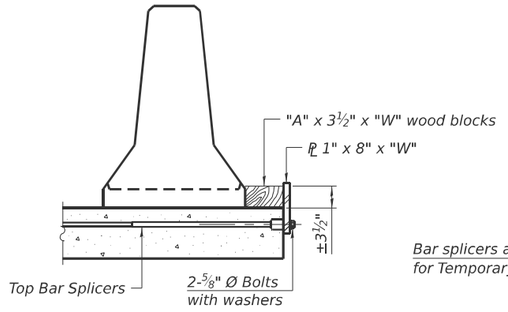


When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

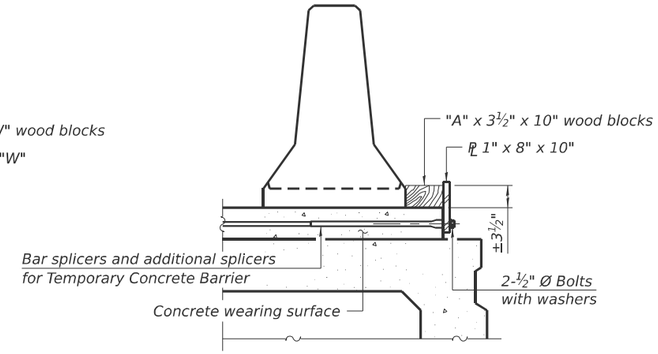
NEW SLAB OR NEW DECK BEAM



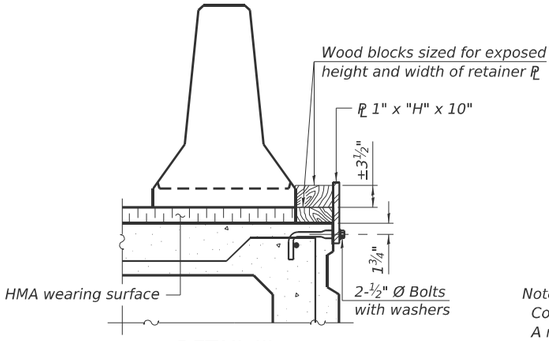
SECTIONS THRU SLAB OR DECK BEAM



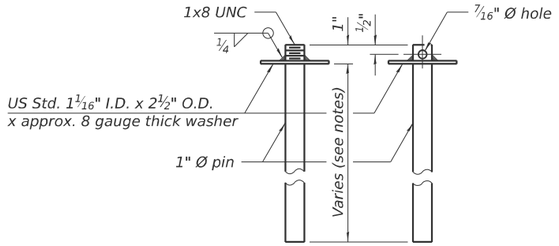
DETAIL I



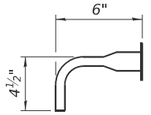
DETAIL II



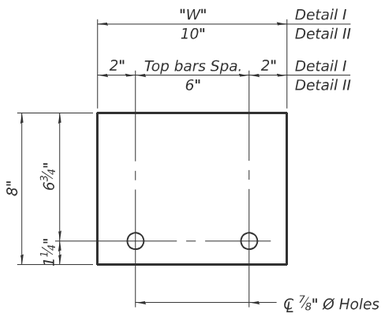
DETAIL III



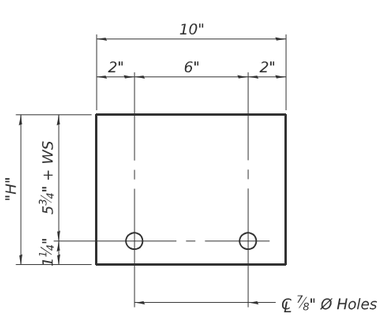
RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER ℄ 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER ℄ 1" x "H" x 10"
(Detail III)

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

Notes:
Cost of retainer assembly is included with Temporary Concrete Barrier.
A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.
The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
When the 'A' dimension is less than 1½", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

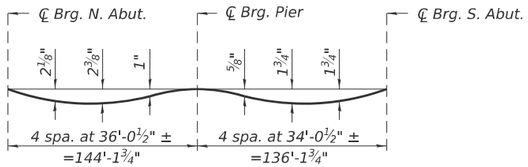
Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

R-27

5-15-2023

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\ORD\CADD_Sheets\006192-66K71-006-TempConcBarrier.dgn

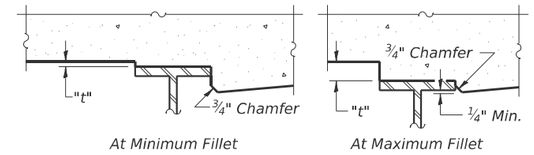


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

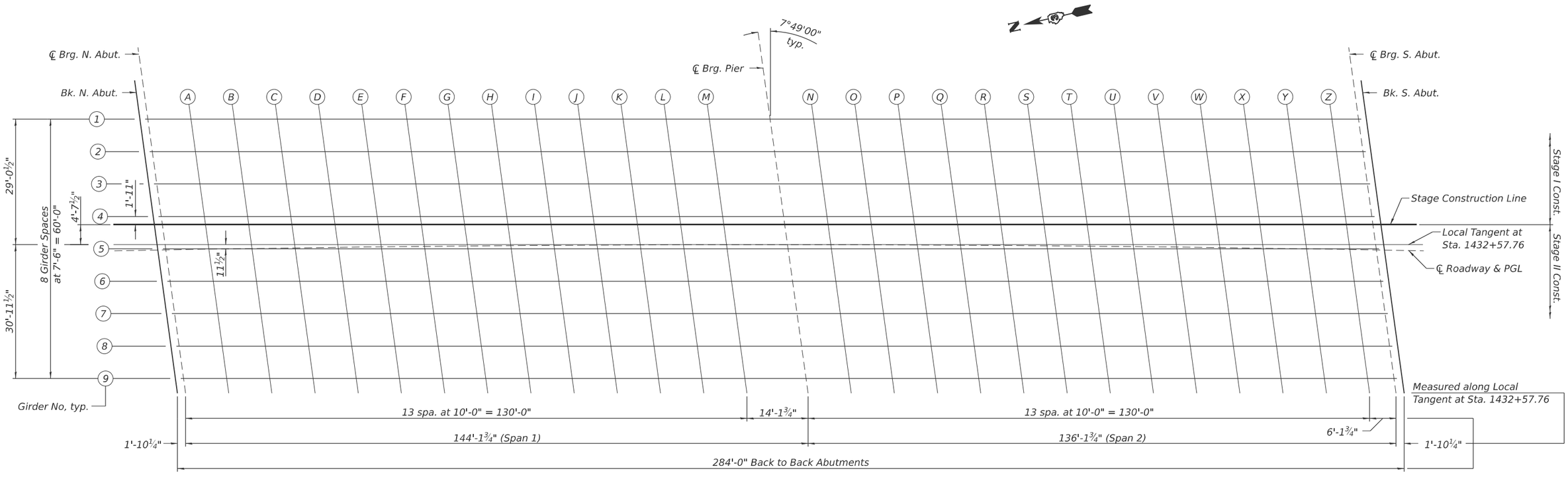
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 8 thru 10 of 31.



At Minimum Fillet At Maximum Fillet

To determine "t": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 8 thru 10 of 31, minus slab thickness, equals the fillet heights "t" above top flange of girders.

FILLET HEIGHTS



PLAN

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\0060192-66K71-007-TOS1.dgn

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 006-0192
SHEET 7 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	58
		CONTRACT NO. 66K71		
		ILLINOIS	FED. AID PROJECT	

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+13.15	-30.32	667.56	667.56
℄ Brg. N. Abut	1431+14.99	-30.29	667.55	667.55
A	1431+24.96	-30.12	667.51	667.56
B	1431+34.92	-29.97	667.45	667.56
C	1431+44.88	-29.82	667.39	667.54
D	1431+54.84	-29.69	667.33	667.51
E	1431+64.81	-29.57	667.25	667.45
F	1431+74.77	-29.46	667.17	667.38
G	1431+84.73	-29.37	667.09	667.28
H	1431+94.70	-29.29	666.99	667.17
I	1432+04.66	-29.21	666.89	667.04
J	1432+14.63	-29.16	666.78	666.89
K	1432+24.59	-29.11	666.66	666.74
L	1432+34.56	-29.08	666.54	666.59
M	1432+44.52	-29.05	666.41	666.43
℄ Brg. Pier	1432+58.62	-29.04	666.21	666.21
N	1432+68.58	-29.05	666.06	666.07
O	1432+78.55	-29.07	665.91	665.93
P	1432+88.51	-29.1	665.75	665.79
Q	1432+98.48	-29.14	665.58	665.65
R	1433+08.44	-29.2	665.40	665.50
S	1433+18.41	-29.27	665.22	665.34
T	1433+28.37	-29.35	665.03	665.17
U	1433+38.33	-29.44	664.83	664.99
V	1433+48.30	-29.54	664.62	664.78
W	1433+58.26	-29.66	664.41	664.55
X	1433+68.22	-29.79	664.19	664.30
Y	1433+78.19	-29.93	663.96	664.04
Z	1433+88.15	-30.08	663.73	663.76
℄ Brg. S. Abut.	1433+94.28	-30.18	663.58	663.58
Bk. S. Abut.	1433+96.12	-30.22	663.54	663.54

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+14.05	-22.81	667.40	667.40
℄ Brg. N. Abut	1431+15.89	-22.77	667.40	667.40
A	1431+25.86	-22.61	667.35	667.41
B	1431+35.83	-22.45	667.30	667.41
C	1431+45.80	-22.31	667.24	667.39
D	1431+55.78	-22.18	667.17	667.36
E	1431+65.75	-22.06	667.10	667.30
F	1431+75.72	-21.95	667.02	667.23
G	1431+85.69	-21.86	666.93	667.13
H	1431+95.67	-21.78	666.83	667.01
I	1432+05.64	-21.71	666.73	666.88
J	1432+15.61	-21.65	666.62	666.74
K	1432+25.59	-21.61	666.50	666.58
L	1432+35.56	-21.57	666.38	666.42
M	1432+45.54	-21.55	666.25	666.27
℄ Brg. Pier	1432+59.65	-21.54	666.05	666.05
N	1432+69.62	-21.55	665.90	665.90
O	1432+79.59	-21.57	665.74	665.76
P	1432+89.57	-21.6	665.58	665.62
Q	1432+99.54	-21.65	665.41	665.48
R	1433+09.52	-21.71	665.23	665.34
S	1433+19.49	-21.78	665.05	665.18
T	1433+29.46	-21.86	664.85	665.01
U	1433+39.43	-21.95	664.66	664.82
V	1433+49.41	-22.06	664.45	664.61
W	1433+59.38	-22.17	664.24	664.38
X	1433+69.35	-22.3	664.01	664.13
Y	1433+79.32	-22.45	663.79	663.87
Z	1433+89.29	-22.6	663.55	663.58
℄ Brg. S. Abut.	1433+95.43	-22.7	663.40	663.40
Bk. S. Abut.	1433+97.27	-22.73	663.36	663.36

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+14.94	-15.29	667.25	667.25
℄ Brg. N. Abut	1431+16.79	-15.26	667.24	667.24
A	1431+26.77	-15.09	667.20	667.26
B	1431+36.75	-14.94	667.14	667.25
C	1431+46.73	-14.8	667.08	667.24
D	1431+56.71	-14.67	667.01	667.20
E	1431+66.69	-14.55	666.94	667.15
F	1431+76.67	-14.44	666.86	667.07
G	1431+86.66	-14.35	666.77	666.97
H	1431+96.64	-14.27	666.67	666.85
I	1432+06.62	-14.2	666.57	666.72
J	1432+16.60	-14.15	666.46	666.57
K	1432+26.59	-14.1	666.34	666.42
L	1432+36.57	-14.07	666.21	666.26
M	1432+46.55	-14.05	666.08	666.10
℄ Brg. Pier	1432+60.68	-14.04	665.88	665.88
N	1432+70.66	-14.05	665.73	665.74
O	1432+80.64	-14.07	665.58	665.60
P	1432+90.63	-14.11	665.41	665.46
Q	1433+00.61	-14.15	665.24	665.31
R	1433+10.59	-14.21	665.06	665.17
S	1433+20.57	-14.28	664.88	665.01
T	1433+30.55	-14.37	664.68	664.84
U	1433+40.54	-14.46	664.48	664.65
V	1433+50.52	-14.57	664.28	664.44
W	1433+60.50	-14.69	664.06	664.21
X	1433+70.48	-14.82	663.84	663.96
Y	1433+80.46	-14.96	663.61	663.69
Z	1433+90.44	-15.12	663.37	663.41
℄ Brg. S. Abut.	1433+96.58	-15.22	663.23	663.23
Bk. S. Abut.	1433+98.43	-15.25	663.18	663.18

Note:
Stations and offsets are measured along ℄ roadway.

MODEL: BI_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\(ORD)\CADD_Sheets\0060192-66K71-009-TOS2.dgn

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 006-0192
SHEET 8 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	59
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+15.84	-7.77	667.10	667.10
℄ Brg. N. Abut	1431+17.69	-7.74	667.09	667.09
A	1431+27.68	-7.58	667.04	667.10
B	1431+37.67	-7.42	666.99	667.10
C	1431+47.66	-7.28	666.93	667.08
D	1431+57.65	-7.15	666.86	667.05
E	1431+67.64	-7.04	666.78	666.99
F	1431+77.63	-6.93	666.70	666.91
G	1431+87.62	-6.84	666.61	666.81
H	1431+97.61	-6.76	666.51	666.69
I	1432+07.60	-6.7	666.41	666.56
J	1432+17.59	-6.64	666.30	666.41
K	1432+27.59	-6.6	666.18	666.26
L	1432+37.58	-6.57	666.05	666.10
M	1432+47.57	-6.55	665.92	665.94
℄ Brg. Pier	1432+61.71	-6.54	665.72	665.72
N	1432+71.70	-6.55	665.57	665.57
O	1432+81.69	-6.58	665.41	665.43
P	1432+91.68	-6.61	665.24	665.29
Q	1433+01.68	-6.66	665.07	665.15
R	1433+11.67	-6.72	664.89	665.00
S	1433+21.66	-6.79	664.70	664.84
T	1433+31.65	-6.88	664.51	664.67
U	1433+41.64	-6.97	664.31	664.47
V	1433+51.63	-7.08	664.10	664.26
W	1433+61.62	-7.2	663.89	664.03
X	1433+71.61	-7.33	663.66	663.78
Y	1433+81.60	-7.48	663.43	663.51
Z	1433+91.59	-7.64	663.20	663.23
℄ Brg. S. Abut.	1433+97.74	-7.74	663.05	663.05
Bk. S. Abut.	1433+99.58	-7.77	663.00	663.00

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+16.07	-5.85	667.06	667.06
℄ Brg. N. Abut	1431+17.92	-5.82	667.05	667.05
A	1431+27.91	-5.66	667.00	667.06
B	1431+37.90	-5.5	666.95	667.06
C	1431+47.89	-5.36	666.89	667.04
D	1431+57.89	-5.24	666.82	667.01
E	1431+67.88	-5.12	666.74	666.95
F	1431+77.87	-5.02	666.66	666.87
G	1431+87.86	-4.92	666.57	666.77
H	1431+97.86	-4.84	666.47	666.65
I	1432+07.85	-4.78	666.37	666.52
J	1432+17.85	-4.72	666.26	666.37
K	1432+27.84	-4.68	666.14	666.22
L	1432+37.84	-4.65	666.01	666.06
M	1432+47.83	-4.63	665.88	665.90
℄ Brg. Pier	1432+61.97	-4.63	665.68	665.67
N	1432+71.97	-4.64	665.52	665.53
O	1432+81.96	-4.66	665.37	665.39
P	1432+91.65	-4.7	665.20	665.25
Q	1433+01.95	-4.74	665.03	665.10
R	1433+11.94	-4.8	664.85	664.95
S	1433+21.94	-4.88	664.66	664.79
T	1433+31.93	-4.96	664.47	664.62
U	1433+41.92	-5.06	664.27	664.43
V	1433+51.92	-5.17	664.06	664.22
W	1433+61.91	-5.29	663.84	663.99
X	1433+71.90	-5.42	663.62	663.74
Y	1433+81.89	-5.57	663.39	663.47
Z	1433+91.89	-5.73	663.15	663.18
℄ Brg. S. Abut.	1433+98.03	-5.83	663.00	663.00
Bk. S. Abut.	1433+99.88	-5.86	662.96	662.96

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+16.74	-0.26	666.94	666.94
℄ Brg. N. Abut	1431+18.59	-0.23	666.93	666.93
A	1431+28.59	-0.06	666.89	666.95
B	1431+38.59	0.09	666.83	666.94
C	1431+48.59	0.23	666.77	666.93
D	1431+58.58	0.36	666.70	666.89
E	1431+68.58	0.47	666.62	666.83
F	1431+78.58	0.58	666.54	666.75
G	1431+88.59	0.67	666.45	666.65
H	1431+98.59	0.74	666.35	666.53
I	1432+08.59	0.81	666.25	666.40
J	1432+18.59	0.87	666.13	666.25
K	1432+28.59	0.91	666.01	666.10
L	1432+38.59	0.94	665.89	665.94
M	1432+48.59	0.95	665.75	665.77
℄ Brg. Pier	1432+62.74	0.96	665.55	665.55
N	1432+72.74	0.95	665.40	665.40
O	1432+82.74	0.92	665.24	665.26
P	1432+92.74	0.88	665.08	665.12
Q	1433+02.75	0.84	664.90	664.98
R	1433+12.75	0.77	664.72	664.83
S	1433+22.75	0.70	664.53	664.67
T	1433+32.75	0.62	664.34	664.49
U	1433+42.75	0.52	664.14	664.30
V	1433+52.75	0.41	663.93	664.09
W	1433+62.75	0.29	663.71	663.86
X	1433+72.75	0.15	663.49	663.61
Y	1433+82.75	0.00	663.26	663.34
Z	1433+92.74	-0.16	663.02	663.05
℄ Brg. S. Abut.	1433+98.89	-0.26	662.87	662.87
Bk. S. Abut.	1434+00.74	-0.29	662.82	662.82

℄ ROADWAY & PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+16.77	0.00	666.94	666.94
℄ Brg. N. Abut	1431+18.62	0.00	666.93	666.93
A	1431+28.59	0.00	666.89	666.94
B	1431+38.58	0.00	666.83	666.95
C	1431+48.56	0.00	666.78	666.93
D	1431+58.54	0.00	666.71	666.90
E	1431+68.53	0.00	666.63	666.84
F	1431+78.51	0.00	666.55	666.77
G	1431+88.50	0.00	666.46	666.67
H	1431+98.49	0.00	666.37	666.55
I	1432+08.48	0.00	666.26	666.42
J	1432+18.47	0.00	666.15	666.27
K	1432+28.47	0.00	666.03	666.12
L	1432+38.46	0.00	665.91	665.96
M	1432+48.46	0.00	665.77	665.79
℄ Brg. Pier	1432+62.61	0.00	665.57	665.57
N	1432+72.61	0.00	665.42	665.43
O	1432+82.61	0.00	665.26	665.28
P	1432+92.62	0.00	665.10	665.14
Q	1433+02.63	0.00	664.92	664.99
R	1433+12.64	0.00	664.74	664.84
S	1433+22.65	0.00	664.55	664.68
T	1433+32.66	0.00	664.35	664.51
U	1433+42.67	0.00	664.15	664.31
V	1433+52.69	0.00	663.94	664.10
W	1433+62.70	0.00	663.72	663.87
X	1433+72.72	0.00	663.49	663.61
Y	1433+82.75	0.00	663.26	663.34
Z	1433+92.77	0.00	663.02	663.05
℄ Brg. S. Abut.	1433+98.93	0.00	662.86	662.86
Bk. S. Abut.	1434+00.79	0.00	662.82	662.82

Note:
Stations and offsets are measured along ℄ roadway.

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\006192-66K71-009-TOS3.dgn

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 006-0192
SHEET 9 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	60
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+17.64	7.26	666.79	666.79
℄ Brg. N. Abut	1431+19.49	7.29	666.78	666.78
A	1431+29.50	7.45	666.73	666.79
B	1431+39.51	7.61	666.68	666.79
C	1431+49.52	7.74	666.61	666.77
D	1431+59.52	7.87	666.54	666.73
E	1431+69.53	7.98	666.47	666.67
F	1431+79.54	8.09	666.38	666.60
G	1431+89.55	8.17	666.29	666.49
H	1431+99.56	8.25	666.19	666.37
I	1432+09.57	8.32	666.09	666.24
J	1432+19.58	8.37	665.97	666.09
K	1432+29.59	8.41	665.85	665.93
L	1432+39.60	8.44	665.72	665.77
M	1432+49.61	8.45	665.59	665.61
℄ Brg. Pier	1432+63.78	8.46	665.39	665.39
N	1432+73.79	8.44	665.23	665.24
O	1432+83.80	8.42	665.07	665.09
P	1432+93.81	8.38	664.91	664.95
Q	1433+03.82	8.33	664.73	664.81
R	1433+13.83	8.27	664.55	664.66
S	1433+23.84	8.19	664.36	664.50
T	1433+33.85	8.11	664.17	664.32
U	1433+43.86	8.01	663.96	664.13
V	1433+53.87	7.90	663.75	663.92
W	1433+63.87	7.77	663.54	663.68
X	1433+73.88	7.64	663.31	663.43
Y	1433+83.89	7.49	663.08	663.16
Z	1433+93.90	7.33	662.84	662.87
℄ Brg. S. Abut.	1434+00.05	7.22	662.69	662.69
Bk. S. Abut.	1434+01.90	7.19	662.64	662.64

GIRDER 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+18.54	14.78	666.63	666.63
℄ Brg. N. Abut	1431+20.40	14.81	666.63	666.63
A	1431+30.41	14.97	666.58	666.64
B	1431+40.43	15.12	666.52	666.63
C	1431+50.45	15.26	666.46	666.61
D	1431+60.47	15.38	666.39	666.58
E	1431+70.48	15.49	666.31	666.52
F	1431+80.50	15.59	666.22	666.44
G	1431+90.52	15.68	666.13	666.34
H	1432+00.54	15.76	666.03	666.21
I	1432+10.56	15.82	665.93	666.08
J	1432+20.58	15.87	665.81	665.93
K	1432+30.60	15.91	665.69	665.77
L	1432+40.62	15.94	665.56	665.61
M	1432+50.64	15.96	665.43	665.45
℄ Brg. Pier	1432+64.81	15.96	665.22	665.22
N	1432+74.83	15.94	665.07	665.07
O	1432+84.85	15.91	664.91	664.93
P	1432+94.87	15.87	664.74	664.78
Q	1433+04.89	15.82	664.56	664.64
R	1433+14.91	15.76	664.38	664.49
S	1433+24.93	15.68	664.19	664.33
T	1433+34.95	15.60	664.00	664.15
U	1433+44.97	15.50	663.79	663.96
V	1433+54.99	15.38	663.58	663.74
W	1433+65.00	15.26	663.36	663.51
X	1433+75.02	15.12	663.14	663.26
Y	1433+85.04	14.97	662.90	662.98
Z	1433+95.05	14.81	662.66	662.69
℄ Brg. S. Abut.	1434+01.21	14.70	662.51	662.51
Bk. S. Abut.	1434+03.07	14.67	662.47	662.47

GIRDER 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+19.45	22.29	666.48	666.48
℄ Brg. N. Abut	1431+21.30	22.32	666.47	666.47
A	1431+31.33	22.49	666.42	666.48
B	1431+41.35	22.63	666.37	666.48
C	1431+51.38	22.77	666.30	666.46
D	1431+61.41	22.89	666.23	666.42
E	1431+71.44	23.00	666.15	666.36
F	1431+81.46	23.10	666.07	666.28
G	1431+91.49	23.19	665.97	666.18
H	1432+01.52	23.27	665.87	666.05
I	1432+11.55	23.33	665.76	665.92
J	1432+21.58	23.38	665.65	665.77
K	1432+31.61	23.42	665.53	665.61
L	1432+41.63	23.44	665.40	665.45
M	1432+51.66	23.46	665.26	665.28
℄ Brg. Pier	1432+65.85	23.45	665.06	665.06
N	1432+75.88	23.44	664.90	664.91
O	1432+85.91	23.41	664.74	664.76
P	1432+95.94	23.37	664.57	664.62
Q	1433+05.97	23.32	664.40	664.47
R	1433+16.00	23.25	664.21	664.32
S	1433+26.02	23.18	664.02	664.15
T	1433+36.05	23.09	663.82	663.98
U	1433+46.08	22.98	663.62	663.78
V	1433+56.11	22.87	663.41	663.57
W	1433+66.13	22.74	663.19	663.33
X	1433+76.16	22.60	662.96	663.08
Y	1433+86.19	22.45	662.73	662.81
Z	1433+96.21	22.29	662.49	662.52
℄ Brg. S. Abut.	1434+02.38	22.18	662.33	662.33
Bk. S. Abut.	1434+04.23	22.15	662.29	662.29

GIRDER 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	1431+20.35	29.81	666.33	666.33
℄ Brg. N. Abut	1431+22.21	29.84	666.32	666.32
A	1431+32.25	30.00	666.27	666.32
B	1431+42.28	30.15	666.21	666.32
C	1431+52.32	30.28	666.15	666.30
D	1431+62.35	30.40	666.07	666.26
E	1431+72.39	30.52	665.99	666.19
F	1431+82.43	30.61	665.91	666.11
G	1431+92.46	30.70	665.81	666.01
H	1432+02.50	30.77	665.71	665.89
I	1432+12.54	30.83	665.60	665.75
J	1432+22.58	30.88	665.49	665.60
K	1432+32.62	30.92	665.36	665.44
L	1432+42.65	30.94	665.23	665.28
M	1432+52.69	30.96	665.10	665.12
℄ Brg. Pier	1432+66.89	30.95	664.89	664.89
N	1432+76.93	30.94	664.73	664.74
O	1432+86.97	30.91	664.57	664.59
P	1432+97.01	30.87	664.40	664.45
Q	1433+07.05	30.81	664.23	664.30
R	1433+17.08	30.74	664.04	664.14
S	1433+27.12	30.67	663.85	663.98
T	1433+37.16	30.58	663.65	663.80
U	1433+47.19	30.47	663.45	663.60
V	1433+57.23	30.36	663.23	663.39
W	1433+67.27	30.23	663.01	663.15
X	1433+77.30	30.09	662.78	662.90
Y	1433+87.34	29.94	662.55	662.62
Z	1433+97.37	29.77	662.31	662.34
℄ Brg. S. Abut.	1434+03.55	29.67	662.15	662.15
Bk. S. Abut.	1434+05.40	29.63	662.11	662.11

Note:
Stations and offsets are measured along ℄ roadway.

MODEL: BI_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\006192-66K71-010-TOS4.dgn

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 006-0192
SHEET 10 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	61
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

EAST EDGE OF SHOULDER

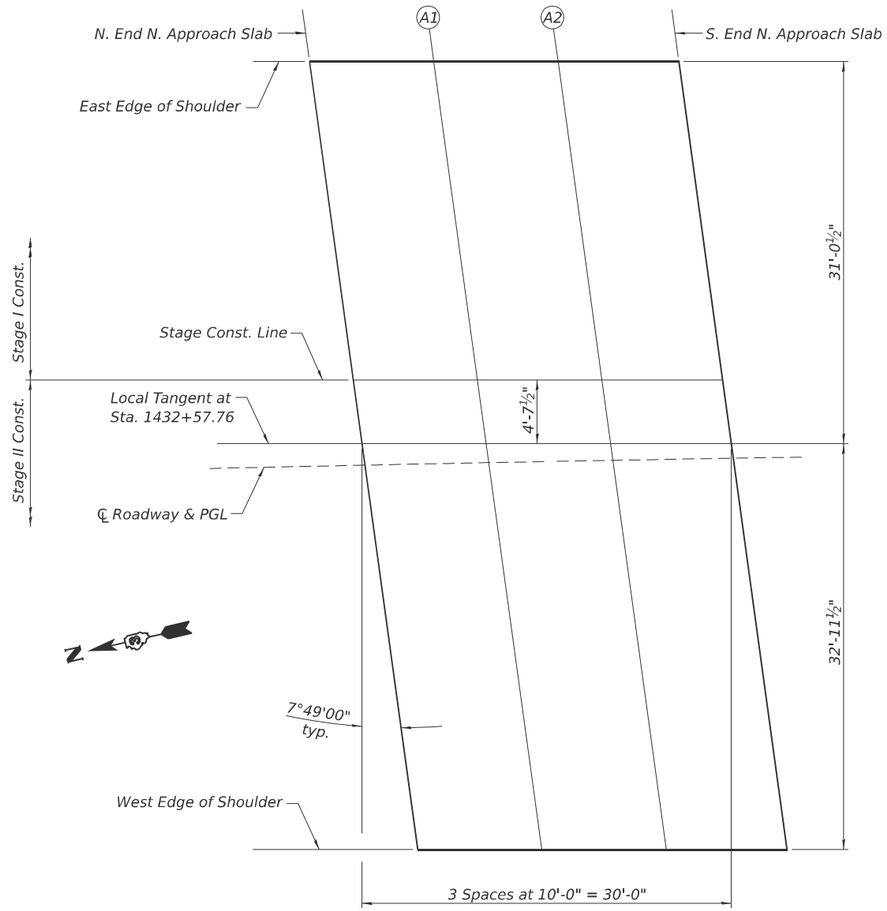
Location	Station	Offset	Theoretical Grade Elevations
N. End N. Approach Slab	1430+84.04	-32.89	667.68
A1	1430+94.00	-32.69	667.66
A2	1431+03.96	-32.49	667.63
S. End N. Approach Slab	1431+13.92	-32.31	667.59

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Approach Slab	1430+87.11	-6.41	667.15
A1	1430+97.10	-6.20	667.12
A2	1431+07.09	-6.01	667.09
S. End N. Approach Slab	1431+17.08	-5.84	667.05

℄ ROADWAY & PGL

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Approach Slab	1430+87.85	0.00	667.02
A1	1430+97.82	0.00	667.00
A2	1431+07.80	0.00	666.97
S. End N. Approach Slab	1431+17.78	0.00	666.93



NORTH APRROACH PLAN

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Approach Slab	1430+91.50	31.28	666.39
A1	1431+01.53	31.47	666.36
A2	1431+11.57	31.66	666.32
S. End N. Approach Slab	1431+21.61	31.83	666.28

Note:
Stations and offsets are measured along ℄ roadway.

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\0060192-66K71-011-TOAS1.dgn

LIN ENGINEERING,LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS
STRUCTURE NO. 006-0192
SHEET 11 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	62
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

EAST EDGE OF SHOULDER

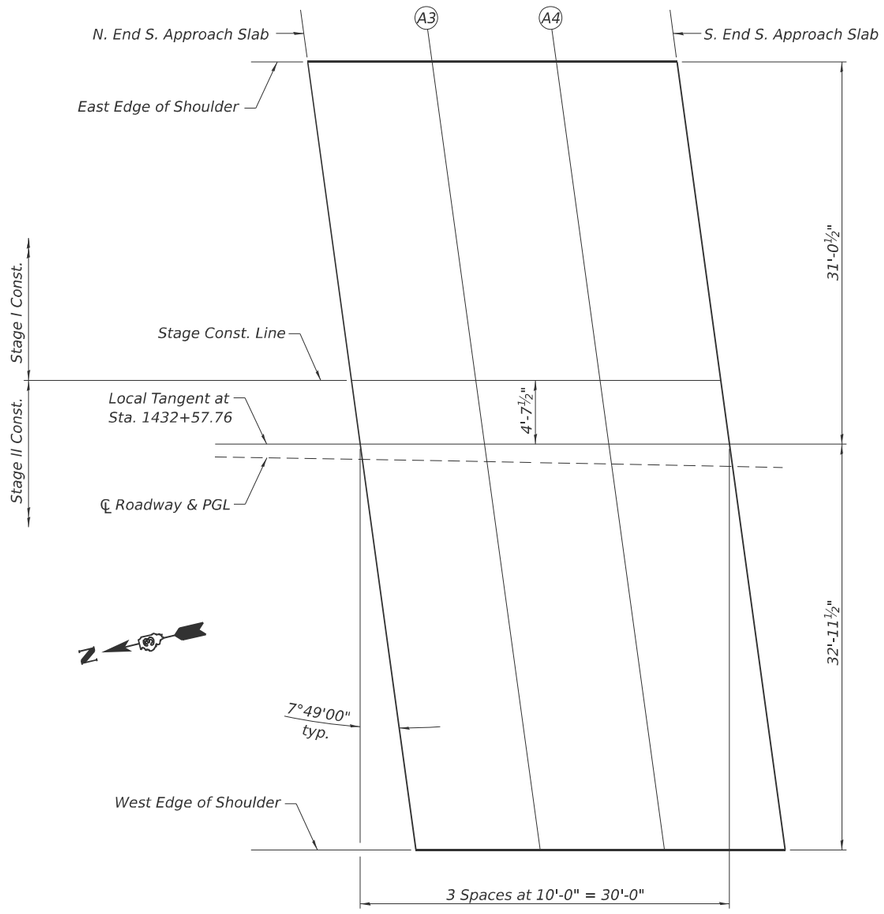
Location	Station	Offset	Theoretical Grade Elevations
N. End S. Approach Slab	1433+94.81	-32.19	663.61
A3	1434+04.77	-32.37	663.36
A4	1434+14.72	-32.55	663.11
S. End S. Approach Slab	1434+24.68	-32.75	662.85

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Approach Slab	1433+98.87	-5.84	662.98
A3	1434+08.86	-6.02	662.73
A4	1434+18.85	-6.21	662.48
S. End S. Approach Slab	1434+28.84	-6.41	662.21

℄ ROADWAY & PGL

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Approach Slab	1433+99.78	0.00	662.84
A3	1434+09.80	0.00	662.59
A4	1434+19.83	0.00	662.33
S. End S. Approach Slab	1434+29.86	0.00	662.06



SOUTH APPROACH PLAN

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Approach Slab	1434+04.70	31.65	662.09
A3	1434+14.74	31.46	661.83
A4	1434+24.77	31.26	661.57
S. End S. Approach Slab	1434+34.81	31.05	661.30

Note:
Stations and offsets are measured along ℄ roadway.

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\structISN 006-0192\Final Design\CADD\ORD\CADD_Sheets\006192-66K71-012-TOAS2.dgn

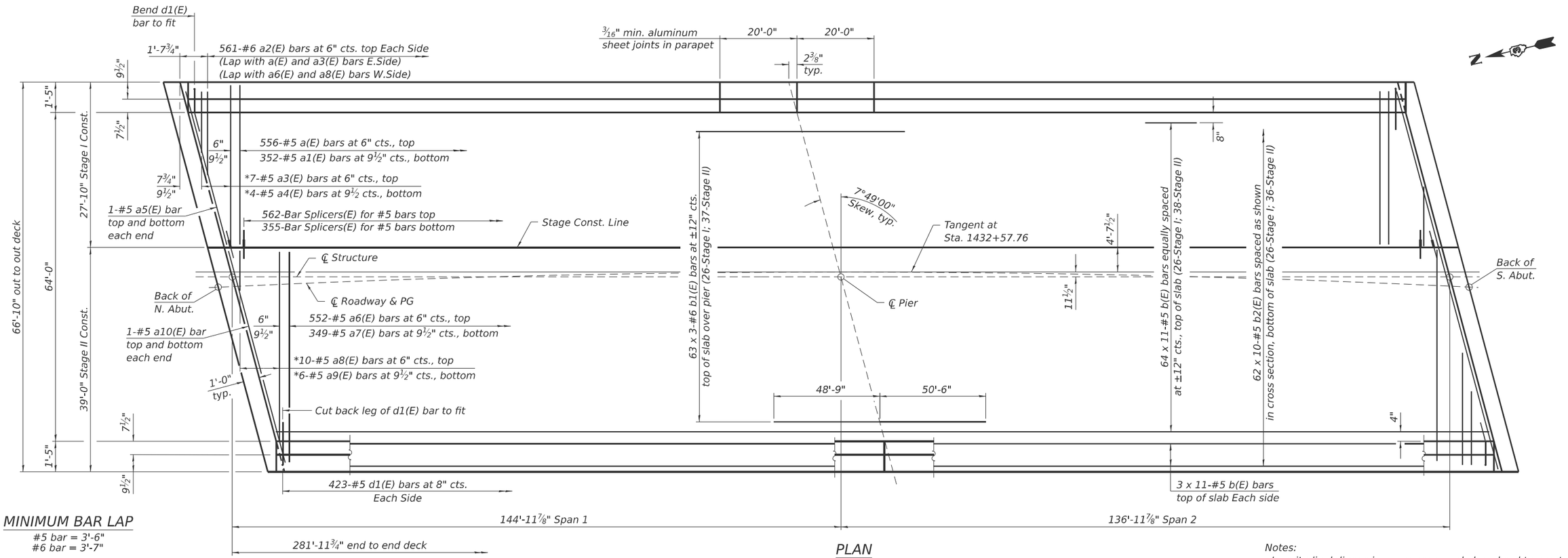
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS
STRUCTURE NO. 006-0192
SHEET 12 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	63
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



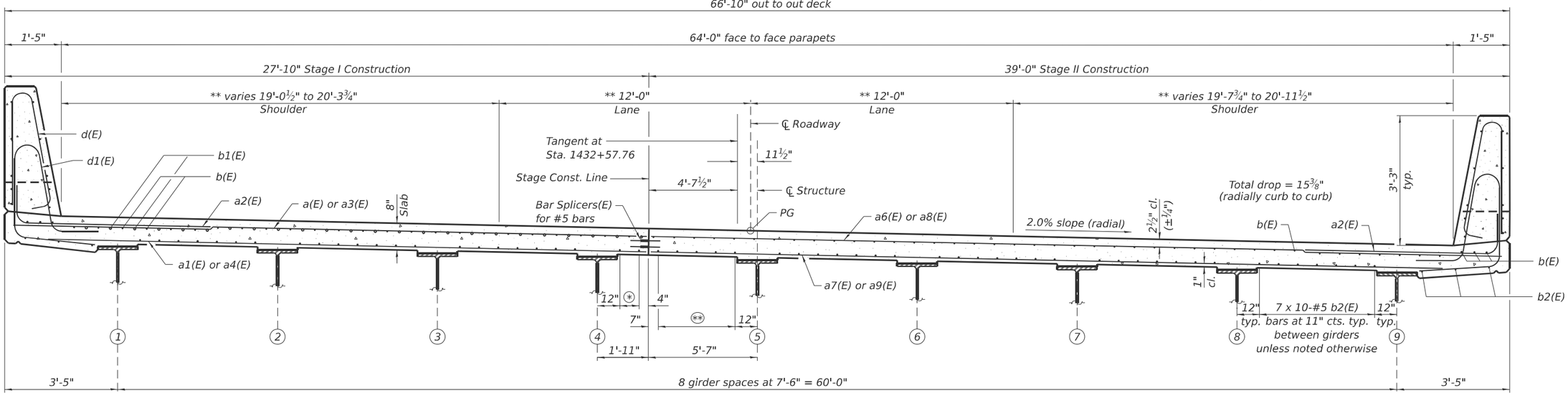
PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"
#6 bar = 3'-7"

* See Field Cutting Diagram on sheet 14 of 31.

Notes:
Longitudinal dimensions are measured along local tangent.
Transverse dimensions are measured perpendicular to local tangent unless noted otherwise.



Notes:
See sheet 14 of 31 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

CROSS SECTION

(Looking South)
(Shear studs not shown for clarity)

NEAR MIDSPAN

(*) 2x10-#5 b2(E) bars at 7" cts.
(**) 5x10-#5 b2(E) bars at 12" cts.

** Measured radial to ℄ roadway.

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\ORD\CADD_Sheets\006192-66K71-013-Super.dgn

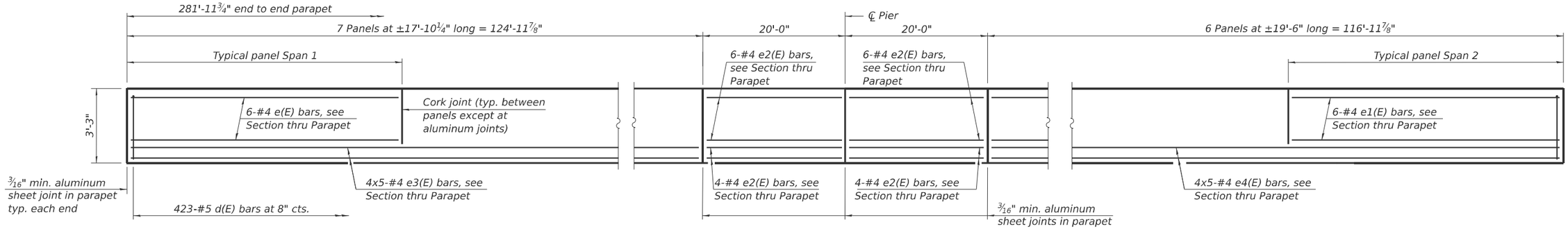
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

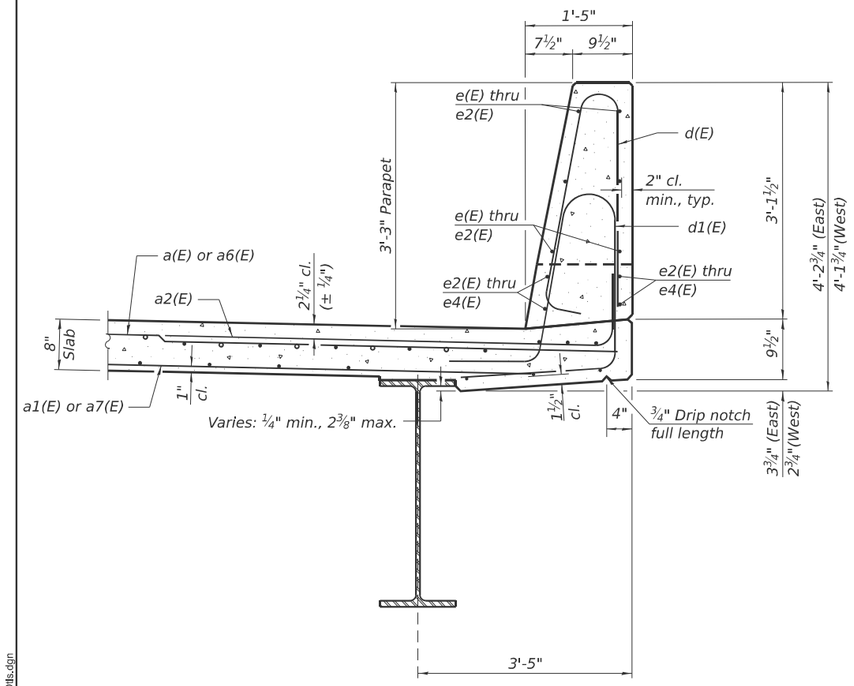
SUPERSTRUCTURE
STRUCTURE NO. 006-0192
SHEET 13 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	64
		CONTRACT NO. 66K71		
		ILLINOIS	FED. AID PROJECT	

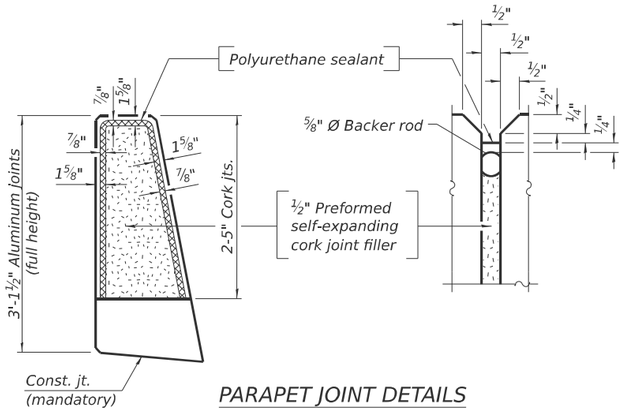


INSIDE ELEVATION OF PARAPET

(East parapet shown; West parapet mirror image)



SECTION THRU PARAPET



PARAPET JOINT DETAILS

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.

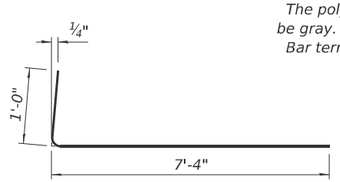
MINIMUM BAR LAP

#4 bar = 2'-5"

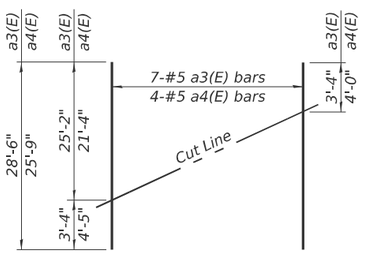
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	556	#5	27'-6"	
a1(E)	352	#5	27'-2"	
a2(E)	1,122	#6	8'-4"	
a3(E)	7	#5	28'-6"	
a4(E)	4	#5	25'-9"	
a5(E)	4	#5	27'-9"	
a6(E)	552	#5	38'-8"	
a7(E)	349	#5	38'-4"	
a8(E)	10	#5	43'-4"	
a9(E)	6	#5	42'-8"	
a10(E)	4	#5	39'-0"	
b(E)	770	#5	28'-10"	
b1(E)	189	#6	35'-6"	
b2(E)	620	#5	31'-4"	
d(E)	846	#5	6'-5"	
d1(E)	846	#5	8'-6"	
e(E)	84	#4	17'-7"	
e1(E)	72	#4	19'-2"	
e2(E)	40	#4	19'-8"	
e3(E)	40	#4	26'-11"	
e4(E)	40	#4	25'-4"	
m10(E)	10	#6	27'-9"	
m11(E)	56	#6	7'-3"	
m12(E)	16	#6	3'-1"	
m13(E)	8	#6	1'-7"	
m14(E)	8	#6	5'-3"	
m15(E)	10	#6	39'-0"	
s10(E)	124	#5	8'-10"	
s11(E)	124	#5	13'-8"	
Reinforcement Bars, Epoxy Coated		Pound	152,670	
Concrete Superstructure		Cu. Yd.	638.8	

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

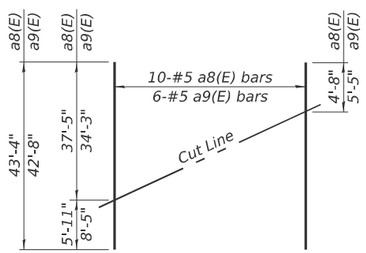


BAR a2(E)



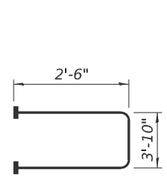
FIELD CUTTING DIAGRAM

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



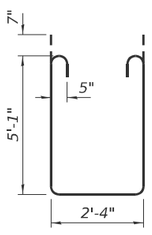
FIELD CUTTING DIAGRAM

Order a8(E) and a9(E) bars full length. Cut as shown and use remainder of bars in opposite end of deck.

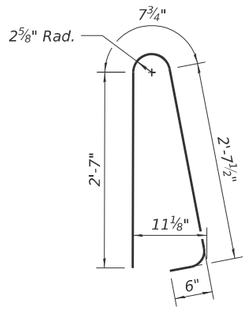


BAR s10(E)

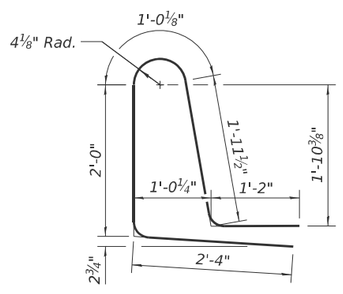
(Headed. 248-#5 Bar terminators)



BAR s11(E)



BAR d(E)



BAR d1(E)

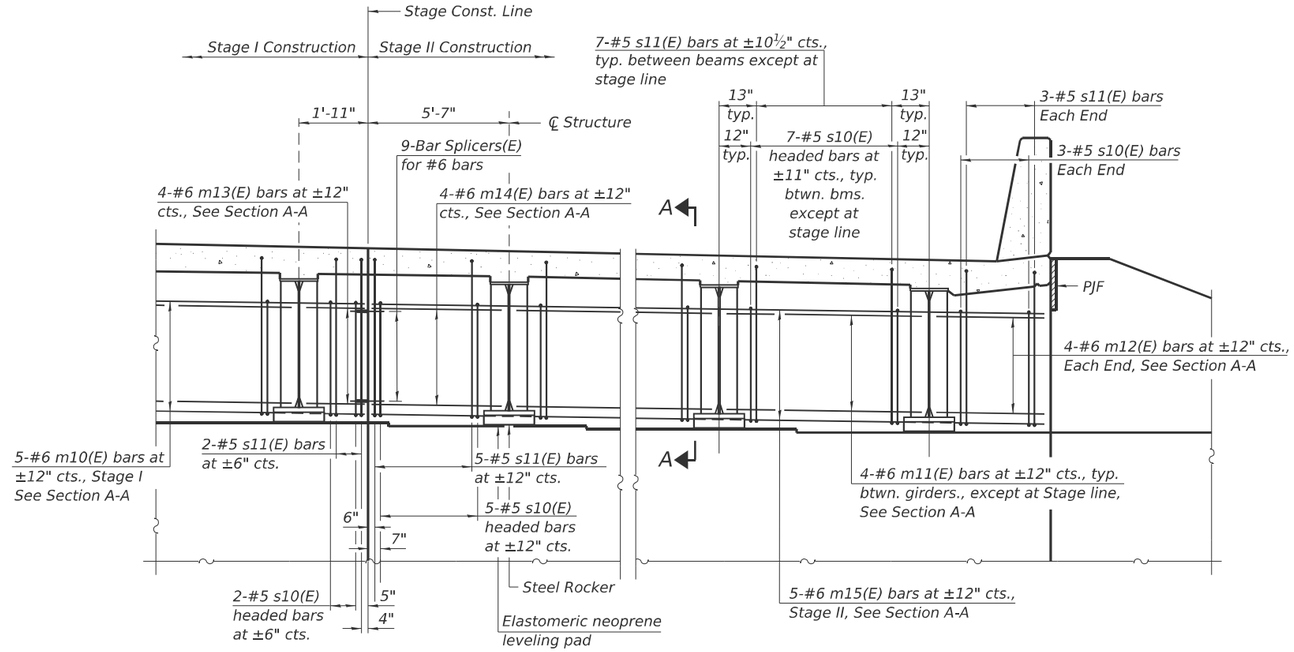
MODEL: BI_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\006192-66K71-014-SuperDtls.dgn

LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	USER NAME = Lin10-PC	DESIGNED - CL	REVISED -
		DRAWN - SJH	REVISED -
		CHECKED - CZ	REVISED -
	PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

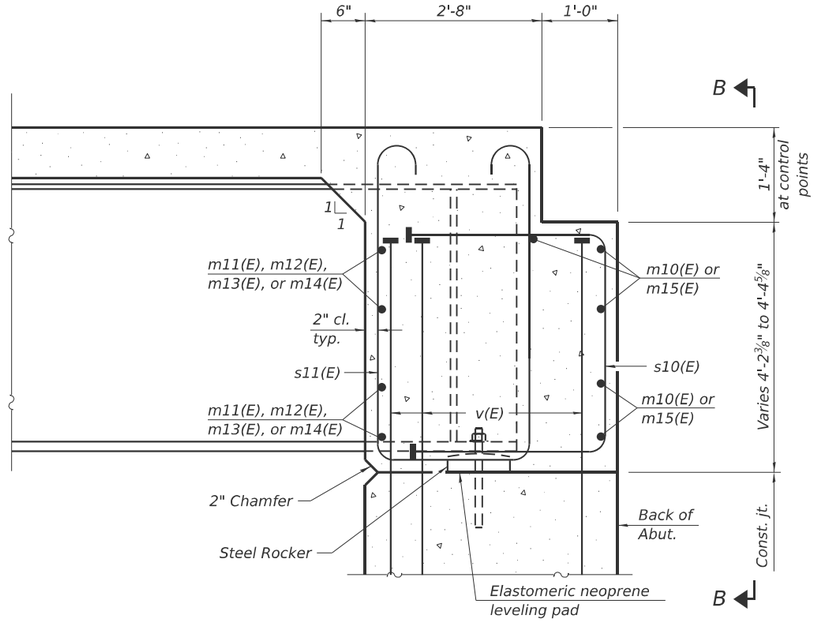
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 006-0192
SHEET 14 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	65
		CONTRACT NO. 66K71		
		ILLINOIS FED. AID PROJECT		



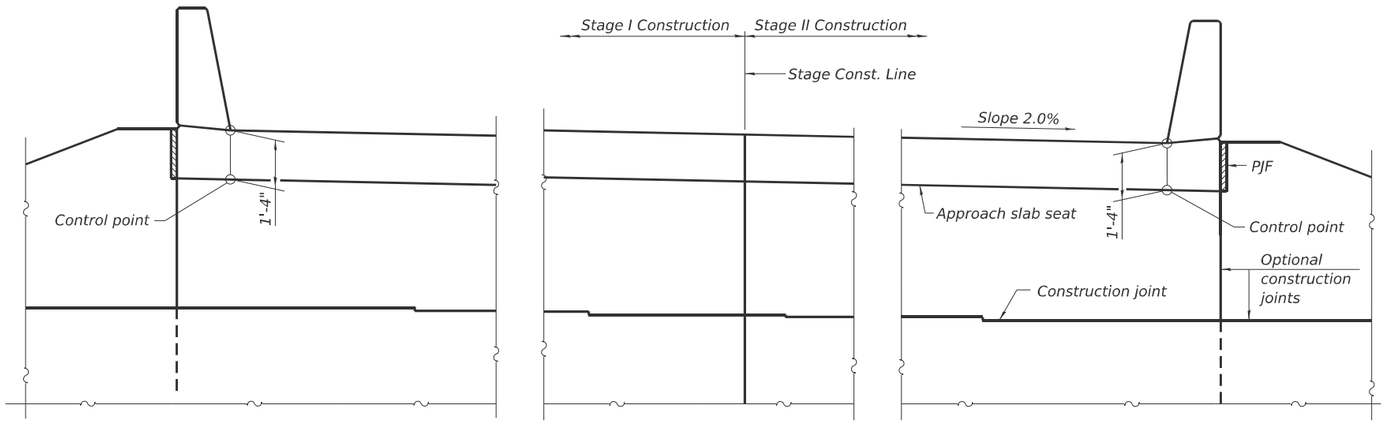
DIAPHRAGM AT ABUTMENT

(Looking South)



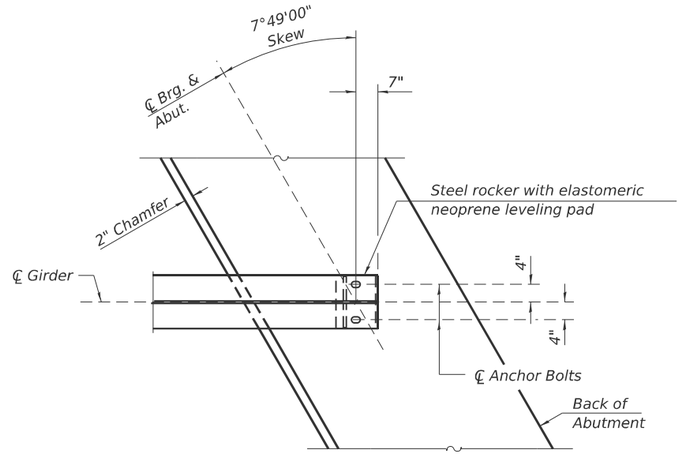
SECTION A-A

(at Rt. ∠'s)



VIEW B-B

(Looking South at North Abutment; South Abutment Similar)



PLAN AT ABUTMENT

(Showing bottom flange of girder)

Notes:

See sheet 14 of 31 for superstructure details and Bill of Material.
See sheet 16 of 31 for PJF details.
The s10(E) and s11(E) bars shall be placed parallel to the girders. Spacing for these bars shall be at right angles to the girders.
The approach slab seat shall have a constant slope determined from the control points shown.

MODEL: BI_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\(ORD)\CADD_Sheets\006192-66K71-015-DiaphragmDtls.dgn

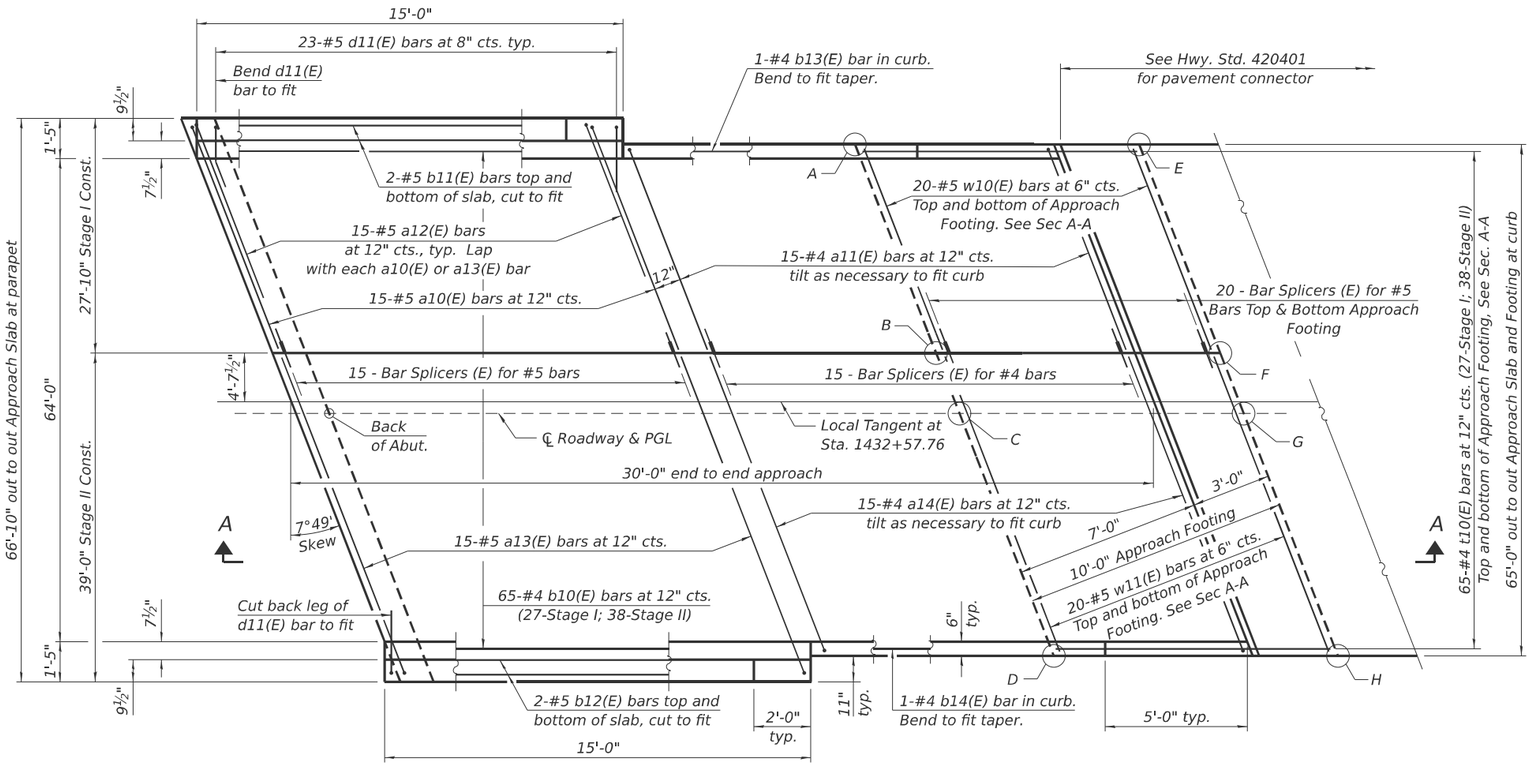
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

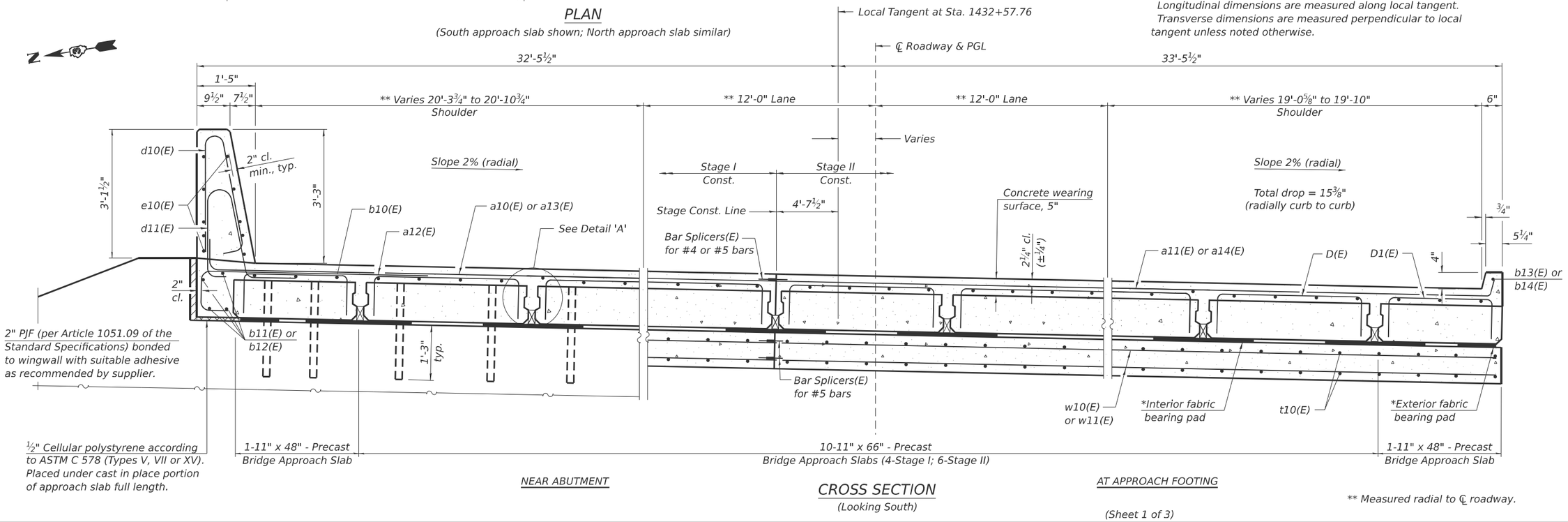
DIAPHRAGM DETAILS
STRUCTURE NO. 006-0192
SHEET 15 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	66
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



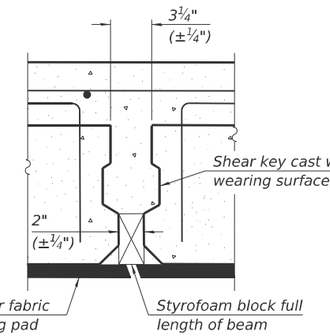
PLAN

(South approach slab shown; North approach slab similar)



CROSS SECTION

(Looking South)



DETAIL 'A'

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

North Approach			South Approach		
Point / Location	Top	Bottom	Point / Location	Top	Bottom
A - 1430+91.02 / 33.25' LT	666.35	665.51	A - 1434+17.57 / 33.11' LT	661.71	660.88
B - 1430+94.16 / 6.26' LT	665.80	664.97	B - 1434+21.79 / 6.27' LT	661.07	660.23
C - 1430+94.90 / ℄	665.67	664.84	C - 1434+22.77 / ℄	660.91	660.08
D - 1430+98.65 / 31.92' RT	665.02	664.19	D - 1434+27.80 / 31.70' RT	660.14	659.31
E - 1430+80.97 / 33.46' LT	666.37	665.53	E - 1434+27.62 / 33.31' LT	661.45	660.62
F - 1430+84.08 / 6.47' LT	665.82	664.99	F - 1434+31.87 / 6.48' LT	660.80	659.96
G - 1430+84.83 / ℄	665.69	664.86	G - 1434+32.90 / ℄	660.64	659.81
H - 1430+88.52 / 31.72' RT	665.05	664.22	H - 1434+37.93 / 31.48' RT	659.87	659.04

* Fabric bearing pads at the expansion end shall be recessed ¼" into the approach footing and bonded. Adjusting shims, when required, shall be bonded to the top of the fabric bearing pads.

Notes:
Longitudinal dimensions are measured along local tangent.
Transverse dimensions are measured perpendicular to local tangent unless noted otherwise.

** Measured radial to ℄ roadway.

(Sheet 1 of 3)

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\ORD\CADD_Sheets\006192-66K71-016-ApprSlabDtls1.dgn

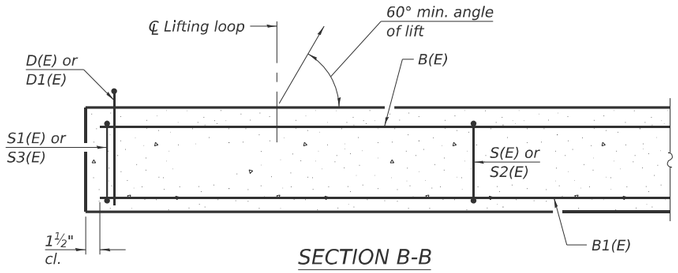
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

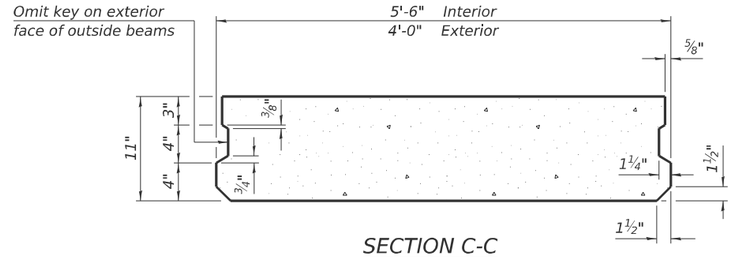
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 006-0192
SHEET 16 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	67
		CONTRACT NO. 66K71		
		ILLINOIS	FED. AID PROJECT	



SECTION B-B



SECTION C-C
(Showing dimensions)

Notes:

The precast bridge approach slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast Bridge Approach Slab.

Cast-in-place substitution of Precast Bridge Approach Slab is not allowed.

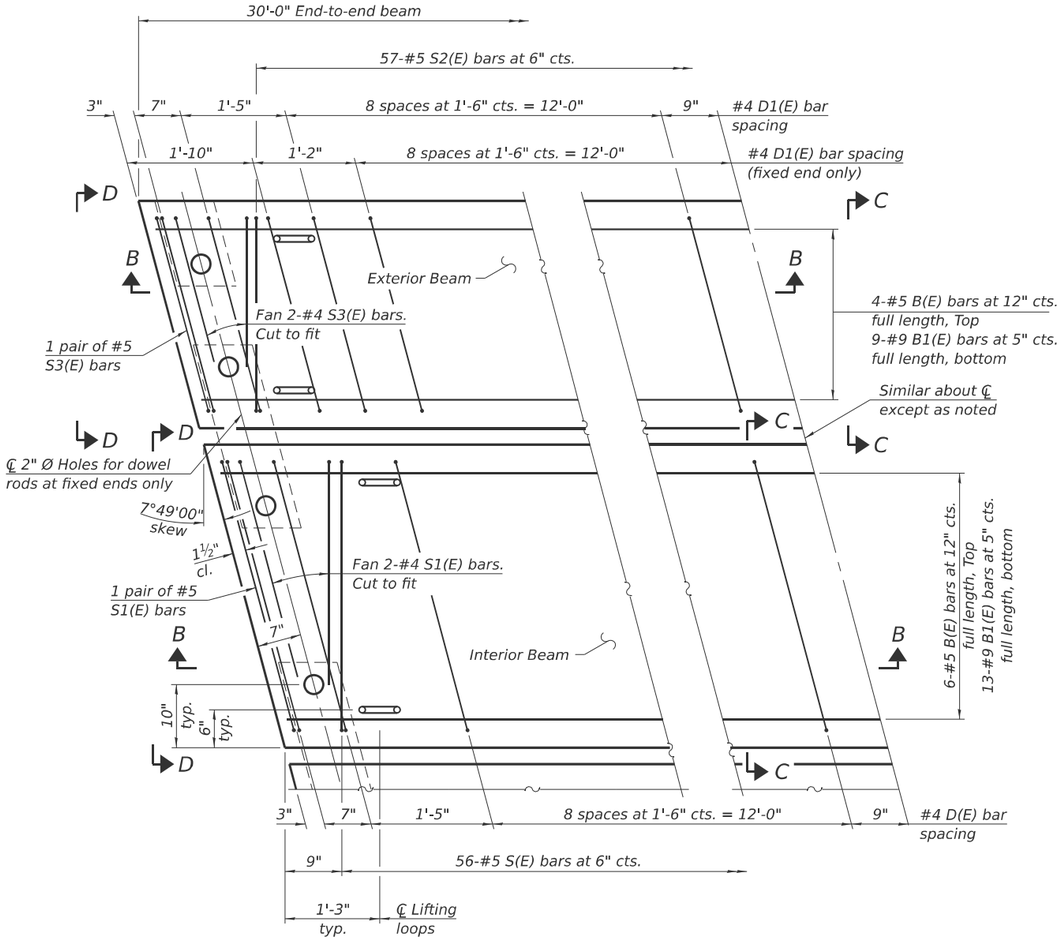
The top surface of precast bridge approach slabs shall be finished similar to precast prestressed deck beams with concrete wearing surface as specified in the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products."

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. Cost included with Precast Bridge Approach Slab.

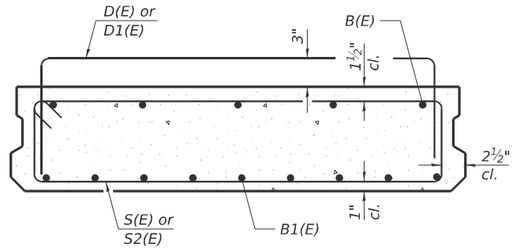
A minimum 2½" Ø lifting pins shall be used to engage the lifting loops during handling.

Compressive strength of precast concrete, f 'c shall be 6,000 psi.

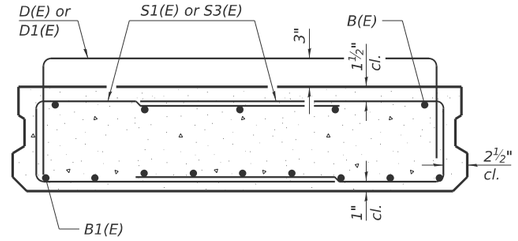
Compressive strength of precast concrete during initial lifting, f 'ci shall be 5,000 psi.



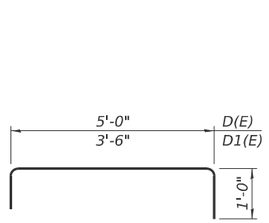
PLAN VIEW
(showing precast bridge approach beams)
(Spacing of D(E) and D1(E) bars may be adjusted up to 3" to miss the dowel rod holes and the lifting loops at the beam ends)



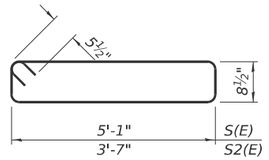
SECTION C-C
(Showing reinforcement)



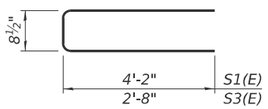
VIEW D-D
(Showing reinforcement)



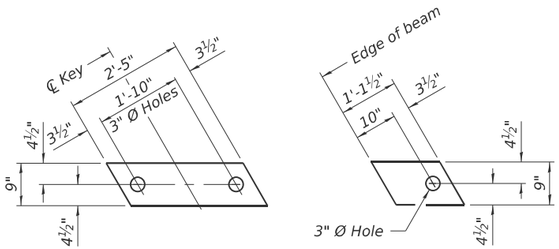
BARS D(E) & D1(E)



BARS S(E) & S2(E)



BARS S1(E) & S3(E)



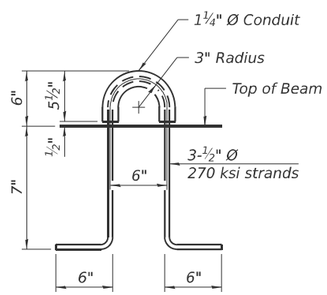
INTERIOR EXTERIOR

FABRIC BEARING PAD

Notes:

Bearing pads at fixed end shall be ½" thick and bearing pads at expansion end shall be ¾" thick.

Omit holes for fabric bearing pads at approach slab footing end of beams.



LIFTING LOOP DETAIL
(An alternate lifting loop with a proof load of 25,000 lbs. and utilized according to the manufacturer's recommendations may be used)

BAR LIST
EACH INTERIOR BEAM
(For information only)

Bar	No.	Size	Length	Shape
B(E)	6	#5	29'-8"	—
B1(E)	13	#9	29'-8"	—
D(E)	22	#4	7'-0"	⌐¬
S(E)	56	#5	12'-6"	⌐¬
S1(E)	4	#5	9'-1"	⌐¬

BAR LIST
EACH EXTERIOR BEAM
(For information only)

Bar	No.	Size	Length	Shape
B(E)	4	#5	29'-8"	—
B1(E)	9	#9	29'-8"	—
D1(E)	32	#4	5'-6"	⌐¬
S2(E)	57	#5	9'-6"	⌐¬
S3(E)	4	#5	6'-1"	⌐¬

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\ORD\CADD_Sheets\006192-66K71-017-AbprSlabDtls2.dgn

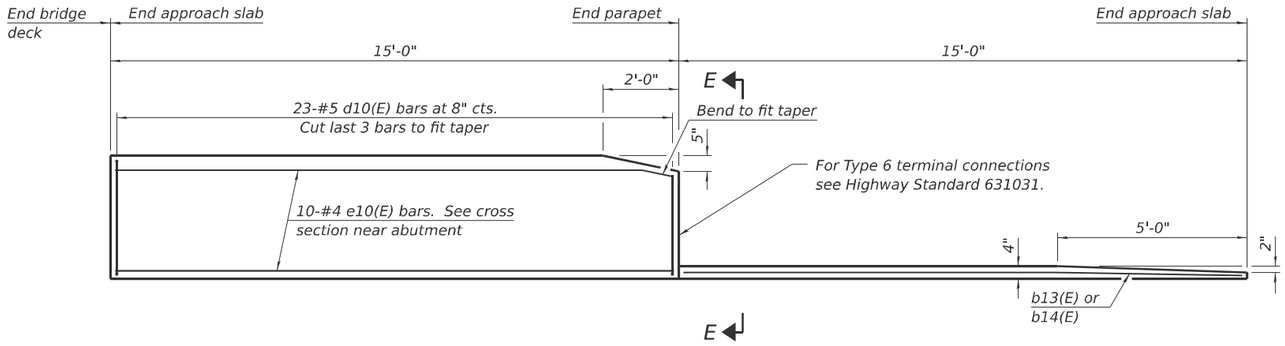
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC | DESIGNED - CL | REVISED -
DRAWN - SJH | REVISED -
CHECKED - CZ | REVISED -
PLOT DATE = 2/11/2025 | DATE - 12/01/2024 | REVISED -

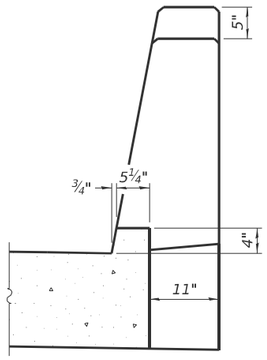
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 006-0192
SHEET 17 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	68
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



INSIDE ELEVATION OF PARAPET AND CURB



VIEW E-E

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.

After precast bridge approach slabs have been erected, holes shall be drilled into abutment and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of precast slab and cured according to Article 1020.13(a)(3) or 1020.13(a)(5) of the Standard Specifications for a minimum of 24 hours before casting the shear keys and wearing surface.

Any concrete poured monolithically with the wearing surface, such as curbs, shall not be paid for separately, but will be included in the cost of Concrete Wearing Surface, 5".

The strip seal shall extend 6" beyond the edge of the approach slab on each end.

Parapet concrete shall be paid for as Concrete Superstructure.

Approach footing concrete shall be paid for as Concrete Structures.

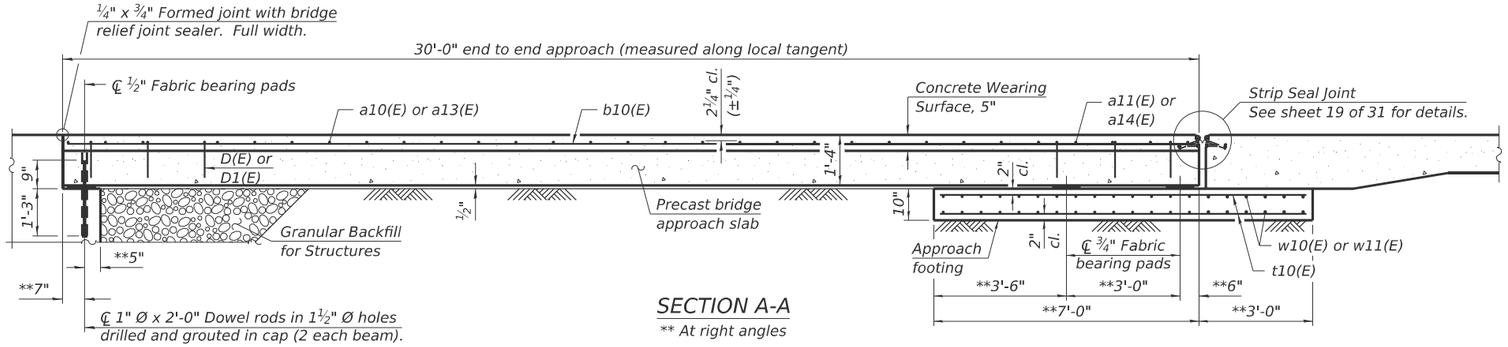
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 31.

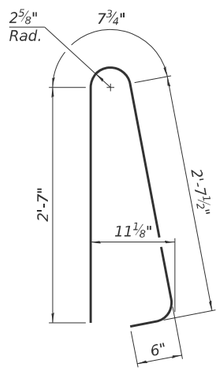
Cost of cellular polystyrene is included with Concrete Superstructure.

See sheet 29 of 31 for Bar Splicer details.

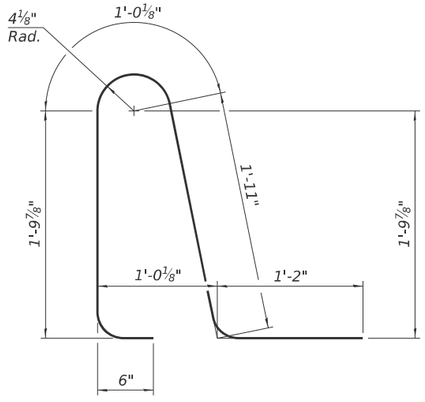


SECTION A-A

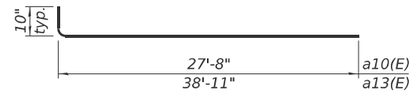
** At right angles



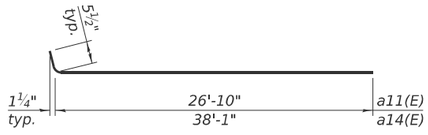
BAR d10(E)



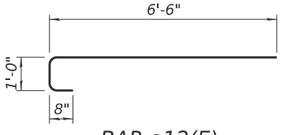
BAR d11(E)



BARS a10(E) & a13(E)



BARS a11(E) & a14(E)



BAR a12(E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	30	#5	28'-6"	
a11(E)	30	#4	27'-4"	
a12(E)	60	#5	8'-2"	
a13(E)	30	#5	39'-9"	
a14(E)	30	#4	38'-7"	
b10(E)	130	#4	29'-8"	
b11(E)	8	#5	14'-9"	
b12(E)	8	#5	14'-6"	
b13(E)	2	#4	14'-8"	
b14(E)	2	#4	14'-9"	
d10(E)	92	#5	6'-5"	
d11(E)	92	#5	6'-5"	
e10(E)	40	#4	14'-8"	
t10(E)	260	#4	9'-10"	
w10(E)	80	#5	26'-10"	
w11(E)	80	#5	38'-2"	
Concrete Superstructure			Cu. Yd.	7.8
Concrete Structures			Cu. Yd.	40.6
Reinforcement Bars, Epoxy Coated			Pound	15,600
Precast Bridge Approach Slab			Sq. Ft.	3,956
Concrete Wearing Surface, 5"			Sq. Yd.	431

(Sheet 3 of 3)

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\0060192-66K71-019-ApprSlabDtls3.dgn

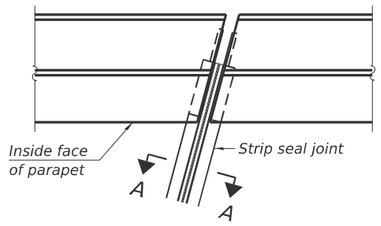
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

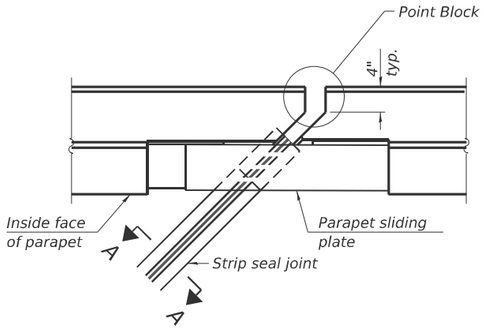
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 006-0192
SHEET 18 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	69
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

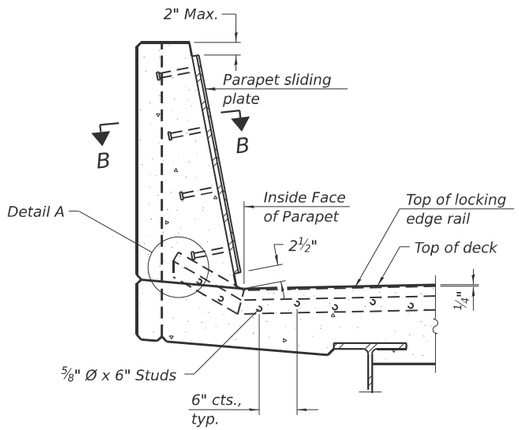


FOR SKEWS ≤ 30°



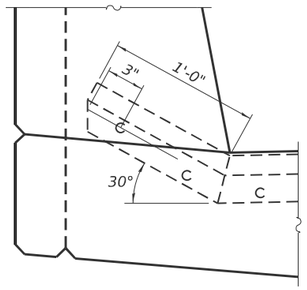
FOR SKEWS > 30°

PLAN AT PARAPET

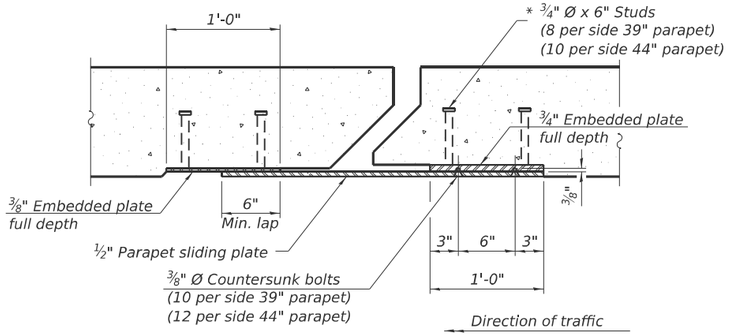


SECTION AT PARAPET

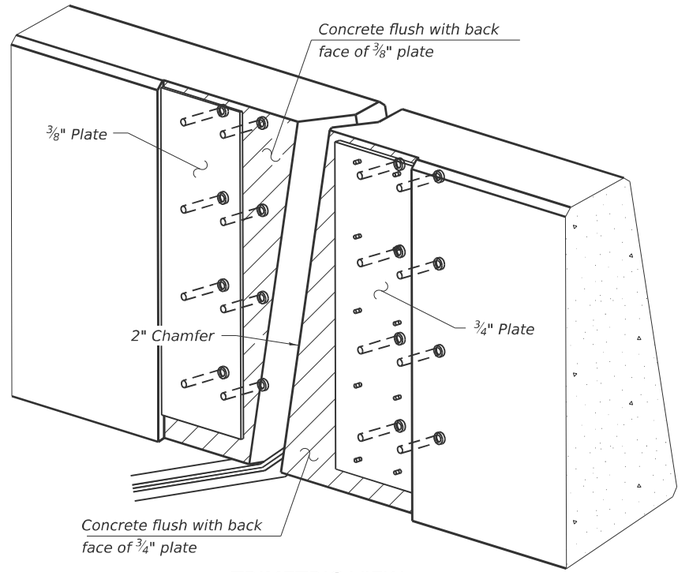
(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



DETAIL A

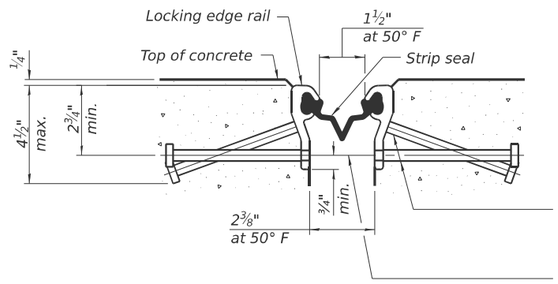


SECTION B-B

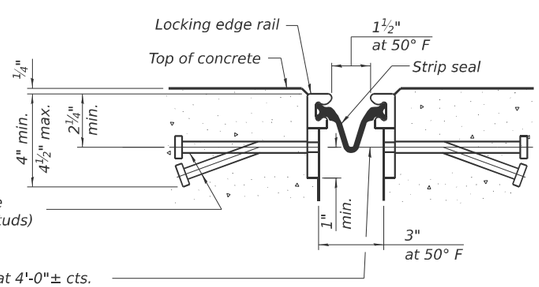


TRIMETRIC VIEW

(Showing embedded plates only)



SHOWING ROLLED RAIL JOINT



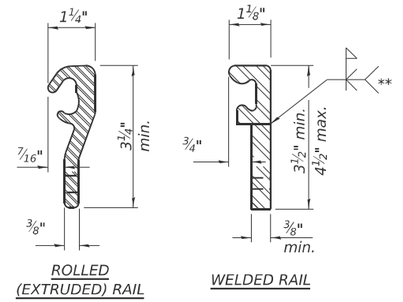
SHOWING WELDED RAIL JOINT

* ⅝" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

⅜" Ø threaded rods in 7/16" Ø holes at 4'-0"± cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

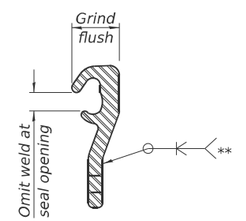


ROLLED (EXTRUDED) RAIL

WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be c" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

39" constant slope barrier shown, 44" constant slope barrier similar as noted.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	131

EJ-SS

5-15-2023

MODEL: BI_Sheet
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\(ORD)\CADD_Sheets\0060192-66K71-019-JointStripSeal.dgn

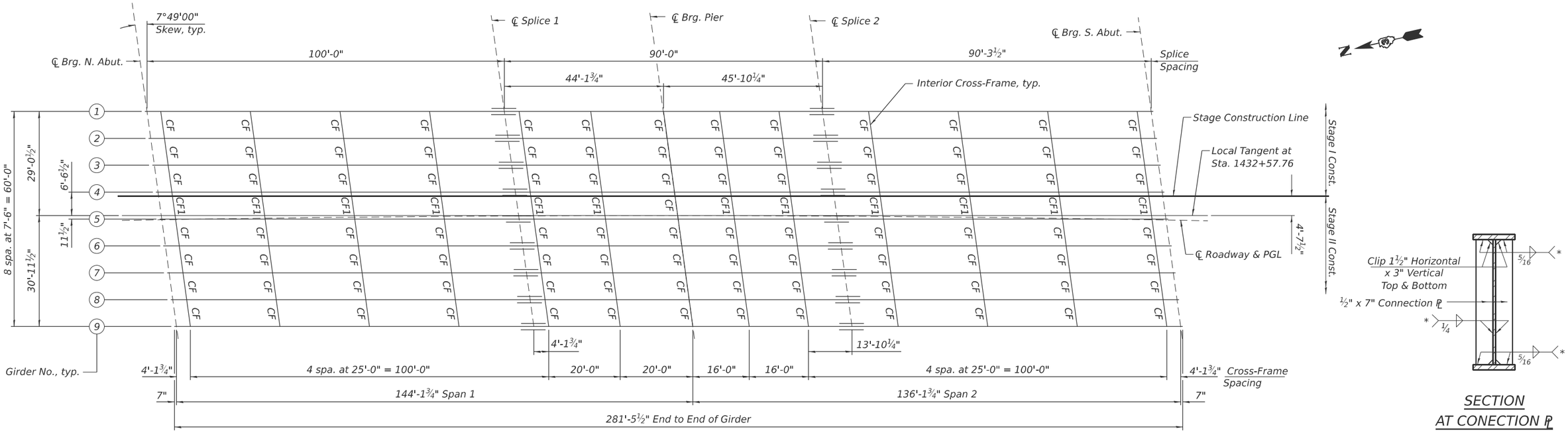
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	CHECKED - SJH	REVISED -	
	DRAWN - CZ	REVISED -	
PLOT DATE = 2/11/2025	CHECKED - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 006-0192
SHEET 19 OF 31 SHEETS

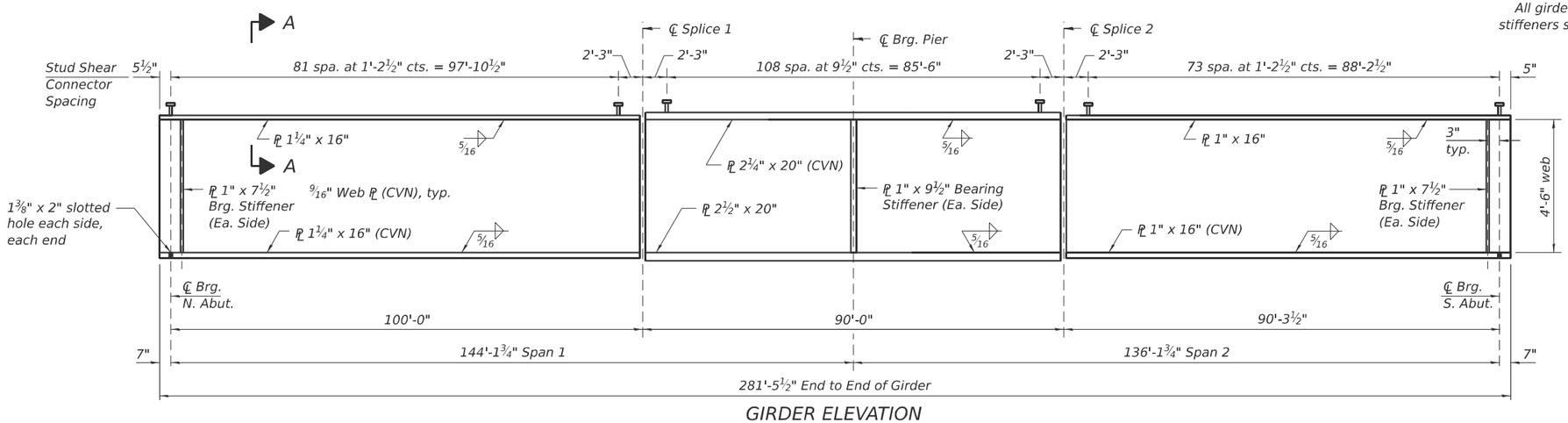
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	70
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



FRAMING PLAN

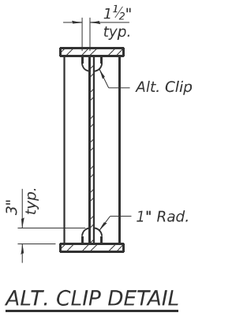
SECTION AT CONECTION ℄

Note:
All girder flanges, webs, and bearing stiffeners shall be AASHTO M270 Grade 50.

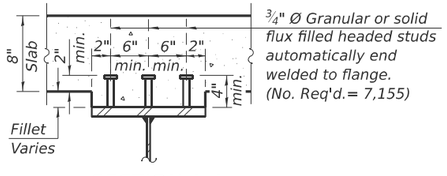


GIRDER ELEVATION

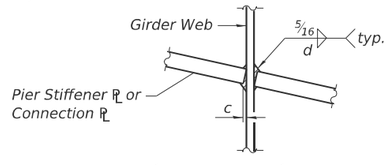
Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirements, Zone 2.



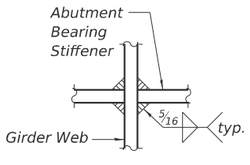
ALT. CLIP DETAIL



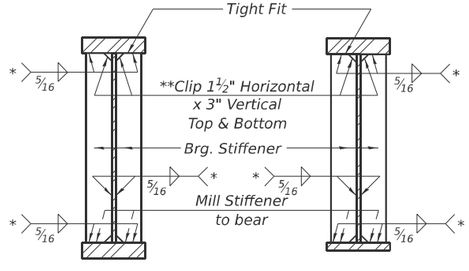
SECTION A-A



c = ⅛" (Pier Stiff. ℄); 1/16" (Conn. ℄)
d = 7/16" (Pier Stiff. ℄); ⅜" (Conn. ℄)



WEB WELD DETAIL



SECTION AT PIER

SECTION AT ABUTMENT

* Terminate ¼" (±⅛") from the end of plate intersects.
** Clip may be rounded for ease of shop painting.

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\(ORD)\CADD_Sheets\0060192-66K71-020-FramingPlan.dgn

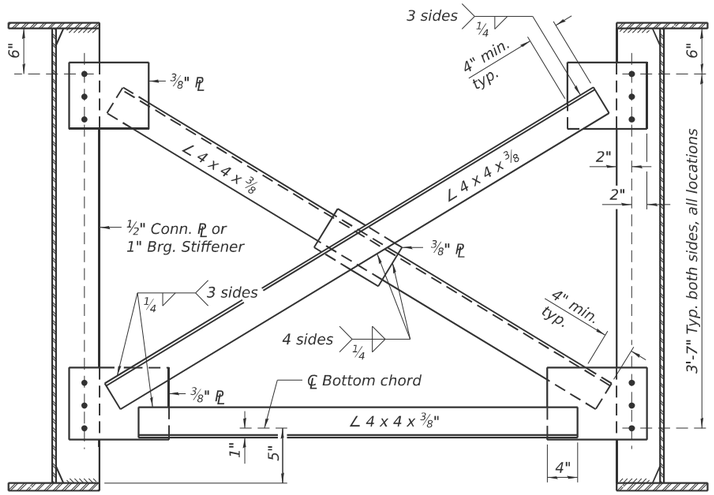
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Mike Haley	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 4/21/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

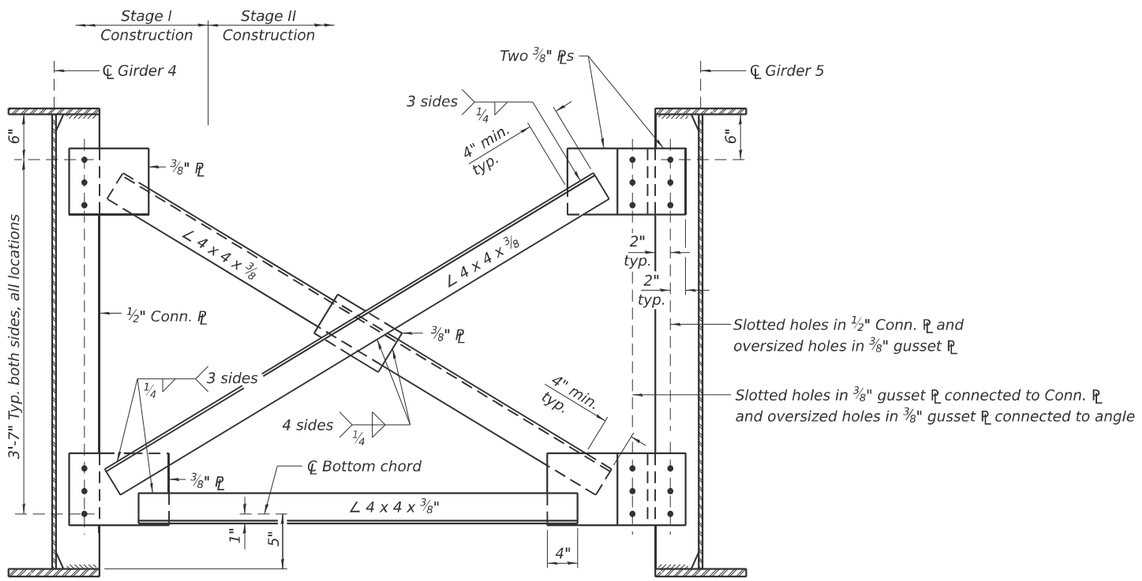
FRAMING PLAN
STRUCTURE NO. 006-0192
SHEET 20 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	71
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



INTERIOR CROSS-FRAME CF

(92 required)



INTERIOR CROSS-FRAME CF1

(12 required)

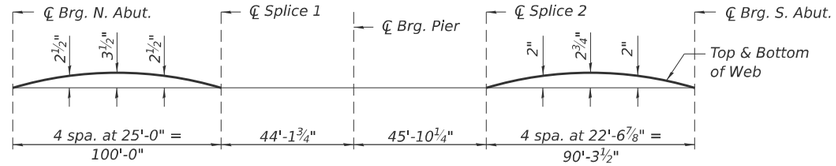
Notes:

Detail 15/16" Ø holes for all 3/4" Ø bolts at cross frames CF.

Two hardened washers required for each set of oversized holes and 5/16" plate washers over slotted holes.

See Sheet 20 of 31 for connection plate orientation, weld details and clip details.

For cross-frames CF1, 3/4" Ø bolts, 13/16" x 1 7/8" vertical slotted holes in the Girder 5 connection plate and the 3/8" gusset plate. Slots shall be positioned such that the bolts start at one end with no concrete load and finish near the opposite end after the deck pour. Bolts in slotted holes shall be finger tightened and then fully tightened after the second stage deck pour.

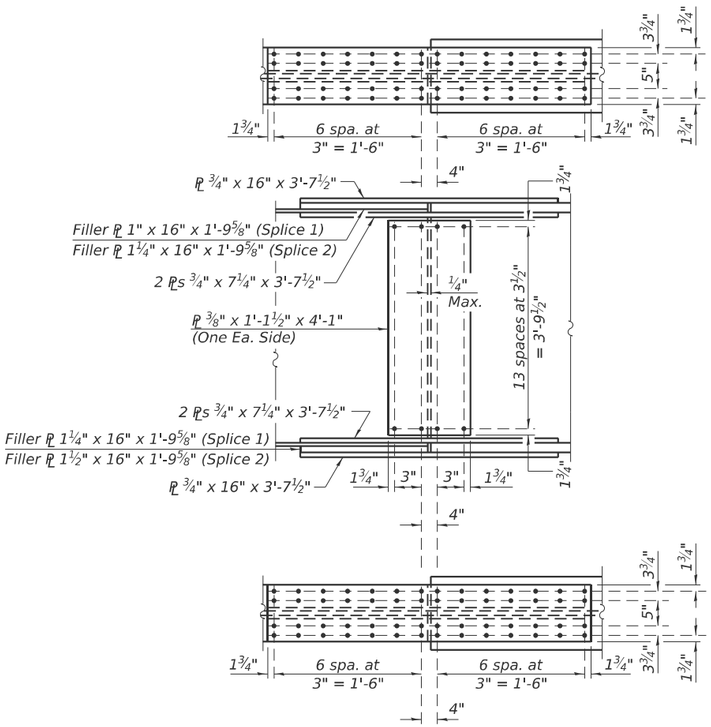


CAMBER DIAGRAM

TOP OF WEB ELEVATIONS

(For Fabrication Only)

Location	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5	Girder 6	Girder 7	Girder 8	Girder 9
℄ Brg. N. Abut.	666.69	666.54	666.39	666.23	666.08	665.93	665.77	665.62	665.46
℄ Splice 1	665.92	665.76	665.60	665.44	665.28	665.12	664.96	664.80	664.63
℄ Brg. Pier	665.27	665.11	664.94	664.78	664.61	664.45	664.28	664.12	663.95
℄ Splice 2	664.60	664.43	664.26	664.09	663.92	663.75	663.58	663.41	663.24
℄ Brg. S. Abut.	662.70	662.53	662.35	662.17	661.99	661.82	661.64	661.46	661.28



FIELD SPLICE DETAIL

(18 required)

Notes:

All cross frames shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames at supports may be temporarily disconnected to install bearing anchor rods.

All flange and web splice plates, except filler plates, shall be AASHTO M270 Grade 50 (CVN).

Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirement, Zone 2.

INTERIOR GIRDER MOMENT TABLE				
		0.4 Sp. 1	Pier	0.6 Sp. 2
I_s	(in^4)	37912	82753	31584
I_c (n)	(in^4)	81220	-	71294
I_c (3n)	(in^4)	61451	-	53858
I_c (cr)	(in^4)	-	84404	-
S_s	(in^3)	1342	2720	1128
S_c (n)	(in^3)	1724	-	1497
S_c (3n)	(in^3)	1594	-	1378
S_c (cr)	(in^3)	-	2810	-
S_x	(in^3)	1596	2997	1387
DC1	(k/')	1.028	1.225	1.000
M_{DC1}	('k)	1314	3454	988
DC2	(k/')	0.175	0.175	0.175
M_{DC2}	('k)	226	526	179
DW	(k/')	0.375	0.375	0.375
M_{DW}	('k)	459	1070	363
LLDF		0.565	0.568	0.571
$M_{℄+IM}$	('k)	2035	2581	1871
f_f (Strength I)	(ksi)	0.00	0.00	0.00
$M_u + \frac{1}{3} f_f S_x$	('k)	6175	11096	5277
$\Phi_f M_n$	('k)	8546	13301	8704
f_s DC1	(ksi)	11.75	15.24	10.51
f_s DC2	(ksi)	1.70	2.25	1.56
f_s DW	(ksi)	3.46	4.57	3.16
f_s (℄+IM)	(ksi)	14.16	11.02	15.00
f_f (Service II)	(ksi)	0.00	0.00	0.00
$f_s + \frac{f_f}{2}$ (Service II)	(ksi)	35.32	36.38	34.73
Service II Resistance	(ksi)	47.50	47.50	47.50
$f_s + \frac{f_f}{3}$ (Strength I)	(ksi)	-	-	-
$\Phi_f F_n$	(ksi)	-	-	-
V_f	(k)	34.3	33.3	34.4

GIRDER REACTION TABLE							
		N. Abut.		Pier		S. Abut.	
		Interior	Exterior	Interior	Exterior	Interior	Exterior
LLDF		0.779	0.720	0.779	0.720	0.779	0.720
OCF		1.03	1.03	1.03	1.03	1.03	1.03
R_{DC1}	(k)	51.8	49.7	204.8	197.3	44.8	43.0
R_{DC2}	(k)	9.0	9.0	32.0	32.0	8.0	8.0
R_{DW}	(k)	18.2	18.2	65.1	65.1	16.4	16.3
$R_{℄}$	(k)	81.7	75.5	174.50	160.9	79.9	73.8
R_{Im}	(k)	16.9	15.6	30.5	28.1	16.8	15.6
R_{Total} (Strength I)(Impact)	(k)	275.8	260.1	752.4	715.1	259.8	244.8
R_{Total} (Strength I)(No Impact)	(k)	246.2	232.8	699.1	665.9	230.4	217.5

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 excludlng 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.

$M_{℄+IM}$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u : Strength I load combination of factored design moments (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{℄+IM}$

f_f : Factored calculated flange lateral bending stress as calculated using Article 6.10.1.6 and as further simplified by IDOT provisions (ksi).

$\Phi_f M_n$: 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 (℄+ 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).
$M_{℄+IM} / S_c$ (n) or $M_{℄+IM} / S_c$ (cr) as applicable.

$f_s + f_f / 2$ (Service II): Sum of stresses as computed below (ksi).
f_s DC1 + f_s DC2 + f_s DW + 1.3 f_s (℄+ IM) + f_f /2

Service II Resistance: Composite ($0.95R_hF_{yf}$) or noncomposite ($0.80R_hF_{yf}$) stress capacity according to Article 6.10.4.2 (ksi).

$f_s + f_f / 3$ (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 (℄+ IM) + f_f /3

$\Phi_f F_n$: 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).

$R_{℄}$: Un-factored live load reaction (kip).

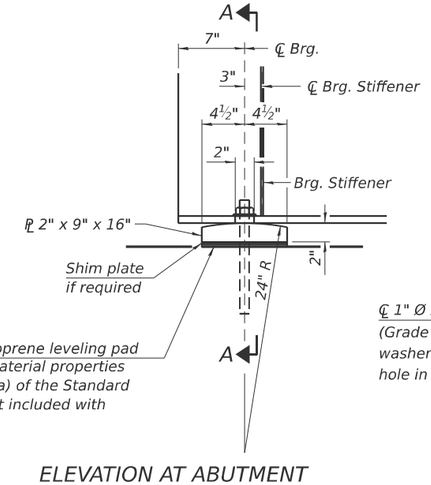
R_{IM} : Un-factored dynamic load allowance (impact) (kip).

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 ($R_{℄} + R_{IM}$)

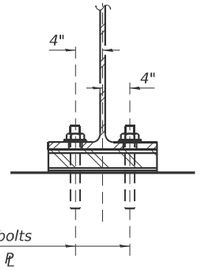
R_{Total} (Strength I)(No Impact): Strength I load combination of factored design reactions, not including dynamic load allowance (Impact) (kip).
1.25 ($R_{DC1} + R_{DC2}$) + 1.5R_{DW} + 1.75 ($R_{℄}$)

Notes:
M_{LL} and R_{LL} include the effects of centrifugal force and superelevation.
Girder Moment and Reaction tables include an 18 foot wide 6" raised median to account for the future design condition.

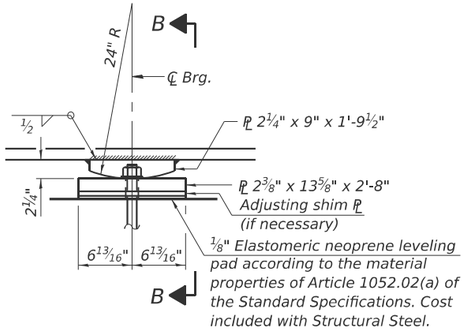
Notes:
The structural steel plates and pintles of the bearings shall conform to the requirements of AASHTO M270 Grade 50.
Two ⅛ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.



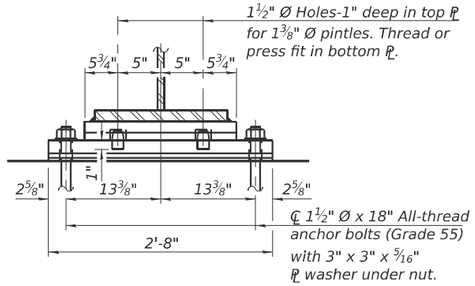
ELEVATION AT ABUTMENT



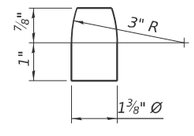
SECTION A-A



ELEVATION AT PIER



SECTION B-B



PINTLE

FIXED ABUTMENT BEARING
(18 required)

FIXED PIER BEARING
(9 required)

BILL OF MATERIAL

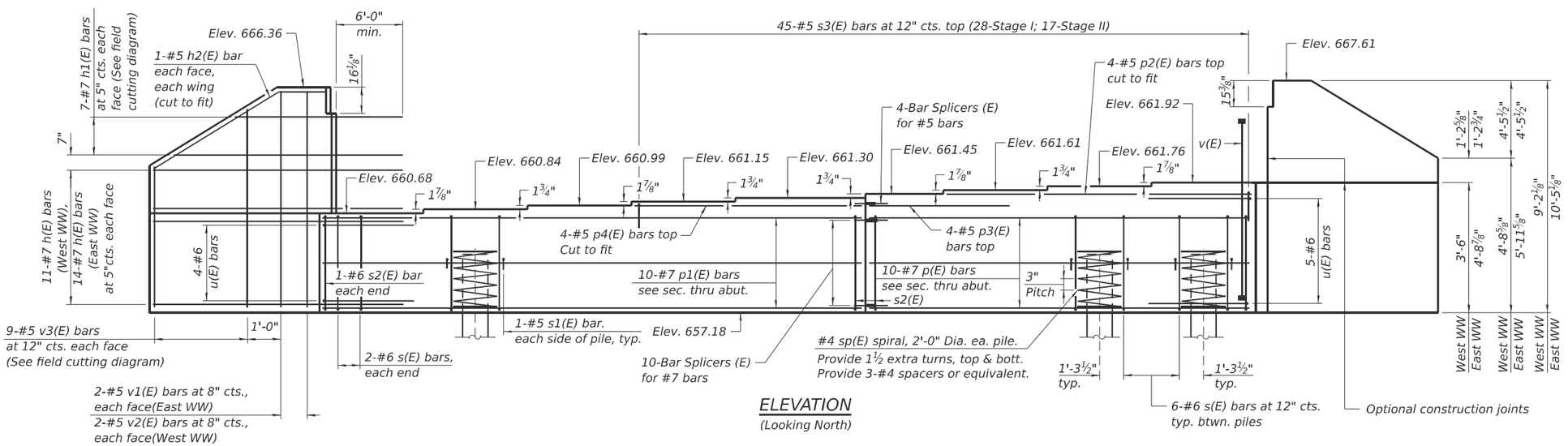
Item	Unit	Total
Anchor Bolts, 1"	Each	36
Anchor Bolts, 1½"	Each	18

MODEL: Bf_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\(ORD)\CADD_Sheets\006192-66K71-022-BearingDtls.dgn

LIN ENGINEERING,LTD.
Consulting Engineers
Springfield, Illinois

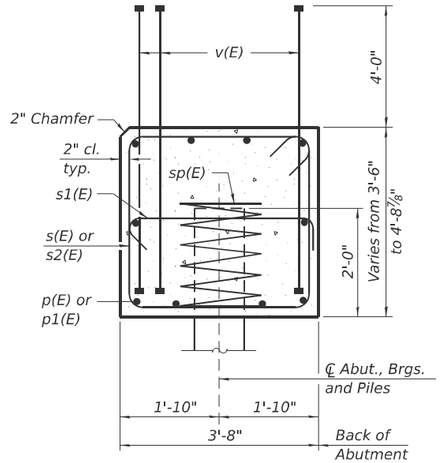
USER NAME = Mike Haley	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BEARING DETAILS STRUCTURE NO. 006-0192
	DRAWN - SJH	REVISED -		
	CHECKED - CZ	REVISED -		
PLOT DATE = 3/7/2025	DATE - 12/01/2024	REVISED -		SHEET 22 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	73
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



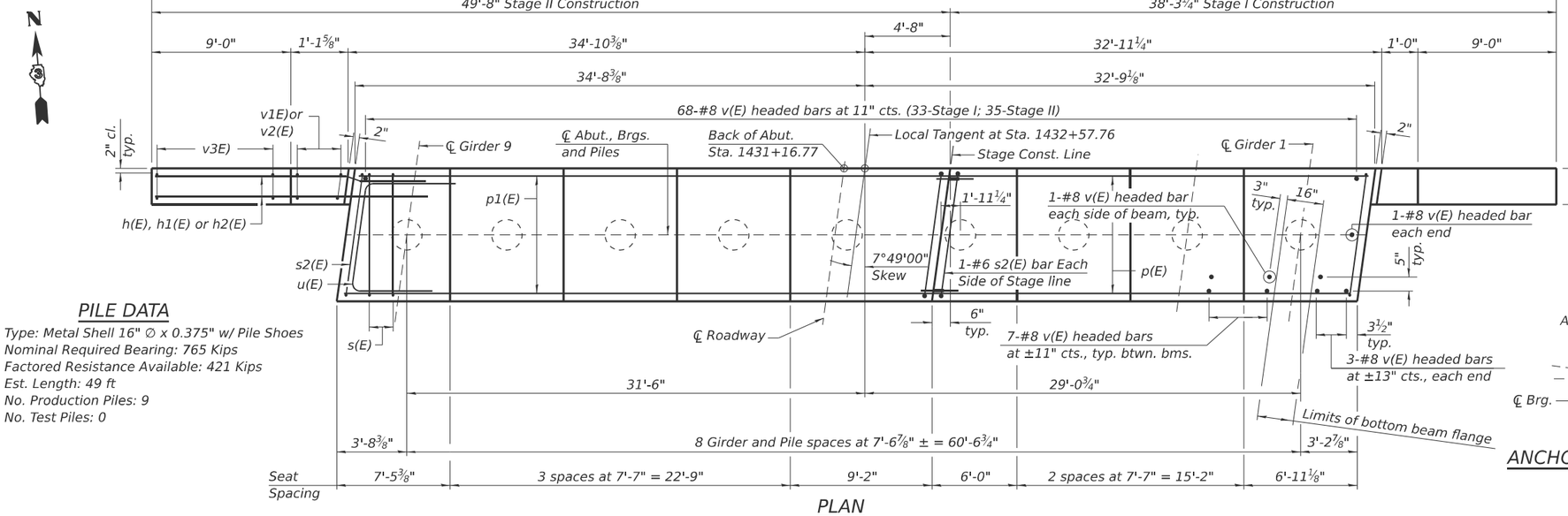
ELEVATION

(Looking North)



SEC. THRU ABUT.

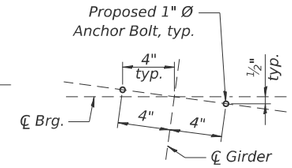
Dimensions at right angles to abutment.



PLAN

PILE DATA

Type: Metal Shell 16" ∅ x 0.375" w/ Pile Shoes
Nominal Required Bearing: 765 Kips
Factored Resistance Available: 421 Kips
Est. Length: 49 ft
No. Production Piles: 9
No. Test Piles: 0

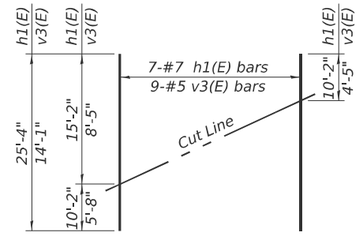


ANCHOR BOLT LOCATION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	50	#7	16'-2"	
h1(E)	14	#7	25'-4"	
h2(E)	4	#5	10'-11"	
p(E)	10	#7	27'-9"	
p1(E)	10	#7	39'-0	
p2(E)	4	#5	22'-3"	
p3(E)	4	#5	9'-0"	
p4(E)	4	#5	17'-0"	
s(E)	52	#6	14'-4"	
s1(E)	18	#5	4'-4"	
s2(E)	4	#6	15'-5"	
s3(E)	45	#5	8'-2"	
* sp(E)	9	#4	2'-0"	
u(E)	9	#6	11'-11"	
v(E)	150	#8	7'-2"	
v1(E)	4	#5	10'-1"	
v2(E)	4	#5	8'-10"	
v3(E)	18	#5	14'-1"	
Structure Excavation		Cu. Yd.	285	
Concrete Structures		Cu. Yd.	43.6	
Reinforcement Bars, Epoxy Coated		Pound	9,060	
Furnishing Metal Shell Piles 16" x 0.375"		Foot	441	
Driving Piles		Foot	441	
Pile Shoes		Each	9	

* Length is height of spiral

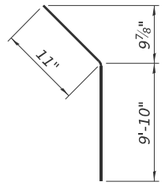


FIELD CUTTING DIAGRAM

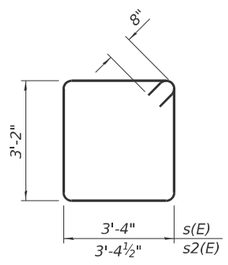
Order h1(E) and v3(E) full length. Cut as shown and use remainder of bars in opposite wing.

BAR v(E)

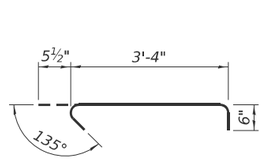
(Headed. 300-#8 Bar terminators)



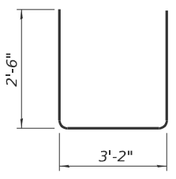
BAR h2(E)



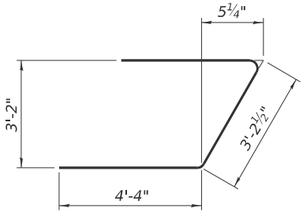
BARS s(E) & s2(E)



BAR s1(E)



BAR s3(E)



BAR u(E)

Notes:
Pour steps monolithically with cap.
For details of piles see sheet 27 of 31.
Bar terminators, paid for separately. See Total Bill of Material.
Piles shall be driven through 24" diameter precored holes extending to elevation 646.9 according to Article 512.09(c) of the Standard Specifications except that the void space outside the pile shall be filled with bentonite according to the manufacturer's recommendations to achieve a Qu of 1.5 tsf. Cost included in driving piles.
Space reinforcement in cap to miss anchor bolts.
For details of Bar Splicers, see sheet 29 of 31.
For drainage details, see sheet 2 of 31.

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\006192-46K71-023-NorthAbut.dgn

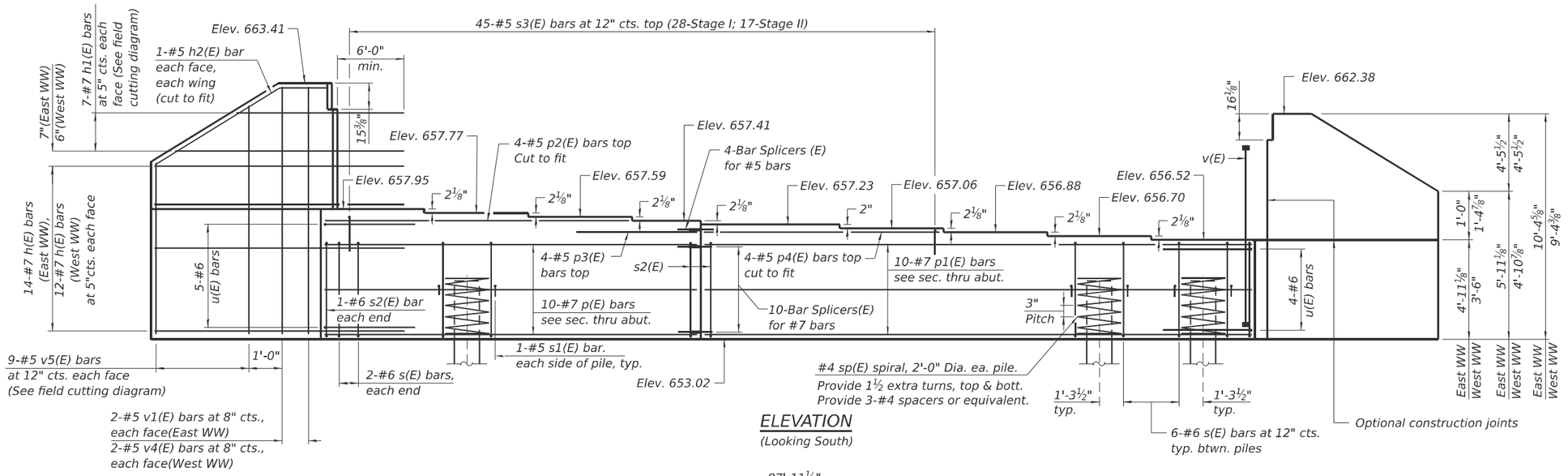
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

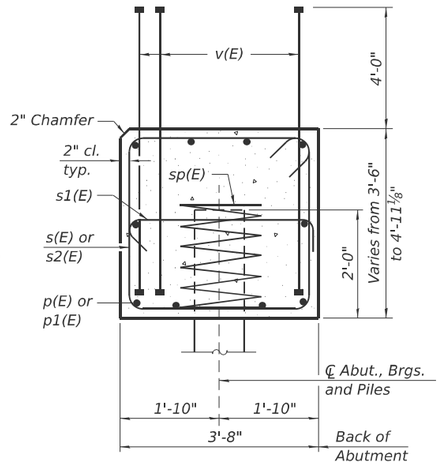
NORTH ABUTMENT
STRUCTURE NO. 006-0192
SHEET 23 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	74
		CONTRACT NO. 66K71		
		ILLINOIS FED. AID PROJECT		



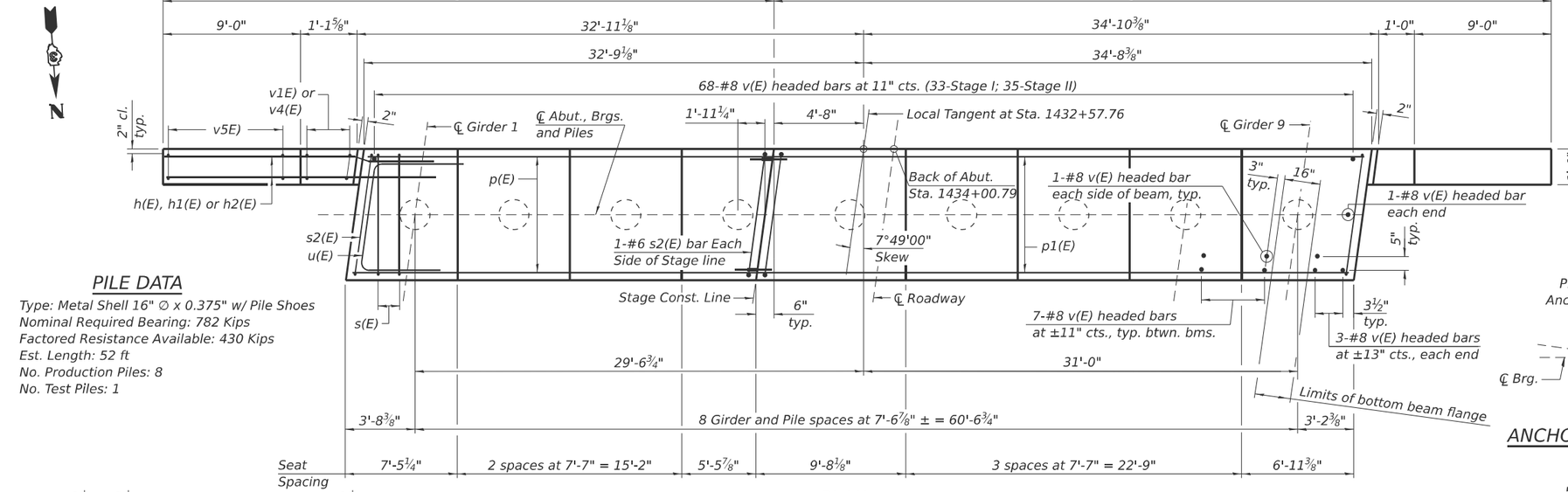
ELEVATION

(Looking South)



SEC. THRU ABUT.

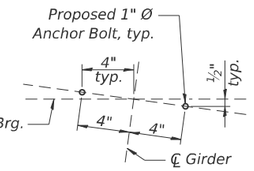
Dimensions at right angles to abutment.



PLAN

PILE DATA

Type: Metal Shell 16" ∅ x 0.375" w/ Pile Shoes
Nominal Required Bearing: 782 Kips
Factored Resistance Available: 430 Kips
Est. Length: 52 ft
No. Production Piles: 8
No. Test Piles: 1

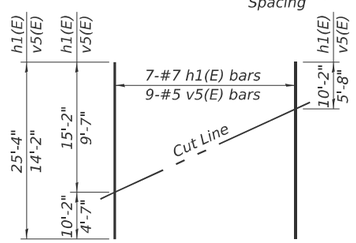


ANCHOR BOLT LOCATION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	52	#7	16'-2"	
h1(E)	14	#7	25'-4"	
h2(E)	4	#5	10'-11"	
p(E)	10	#7	27'-9"	
p1(E)	10	#7	39'-0	
p2(E)	4	#5	22'-3"	
p3(E)	4	#5	9'-0"	
p4(E)	4	#5	17'-0"	
s(E)	52	#6	14'-4"	
s1(E)	18	#5	4'-4"	
s2(E)	4	#6	15'-5"	
s3(E)	45	#5	8'-2"	
* sp(E)	9	#4	2'-0"	
u(E)	9	#6	11'-11"	
v(E)	150	#8	7'-2"	
v1(E)	4	#5	10'-1"	
v4(E)	4	#5	9'-1"	
v5(E)	18	#5	14'-2"	
Structure Excavation		Cu. Yd.	285	
Concrete Structures		Cu. Yd.	44.6	
Reinforcement Bars, Epoxy Coated		Pound	9,130	
Furnishing Metal Shell Piles 16" x 0.375"		Foot	416	
Driving Piles		Foot	416	
Test Pile Metal Shells		Each	1	
Pile Shoes		Each	9	

* Length is height of spiral

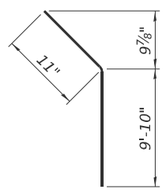


FIELD CUTTING DIAGRAM

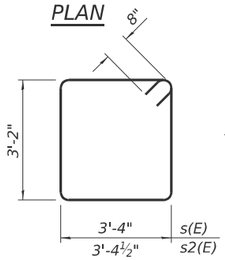
Order h1(E) and v5(E) full length. Cut as shown and use remainder of bars in opposite wing.

BAR v(E)

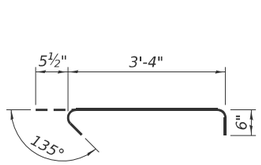
(Headed. 300-#8 Bar terminators)



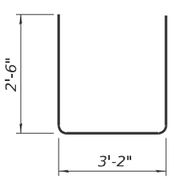
BAR h2(E)



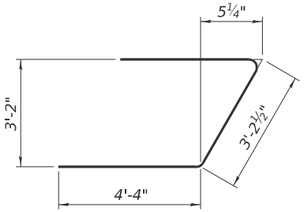
BARS s(E) & s2(E)



BAR s1(E)



BAR s3(E)



BAR u(E)

Notes:
Pour steps monolithically with cap.
For details of piles see sheet 27 of 31.
Bar terminators, paid for separately. See Total Bill of Material.
Piles shall be driven through 24" diameter precored holes extending to elevation 642.8 according to Article 512.09(c) of the Standard Specifications except that the void space outside the pile shall be filled with bentonite according to the manufacturer's recommendations to achieve a Qu of 1.5 tsf. Cost included in driving piles.
Space reinforcement in cap to miss anchor bolts.
For details of Bar Splicers, see sheet 29 of 31.
For drainage details, see sheet 2 of 31.

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\ORD\CADD_Sheets\0060192-66K71-024-SouthAbut.dgn

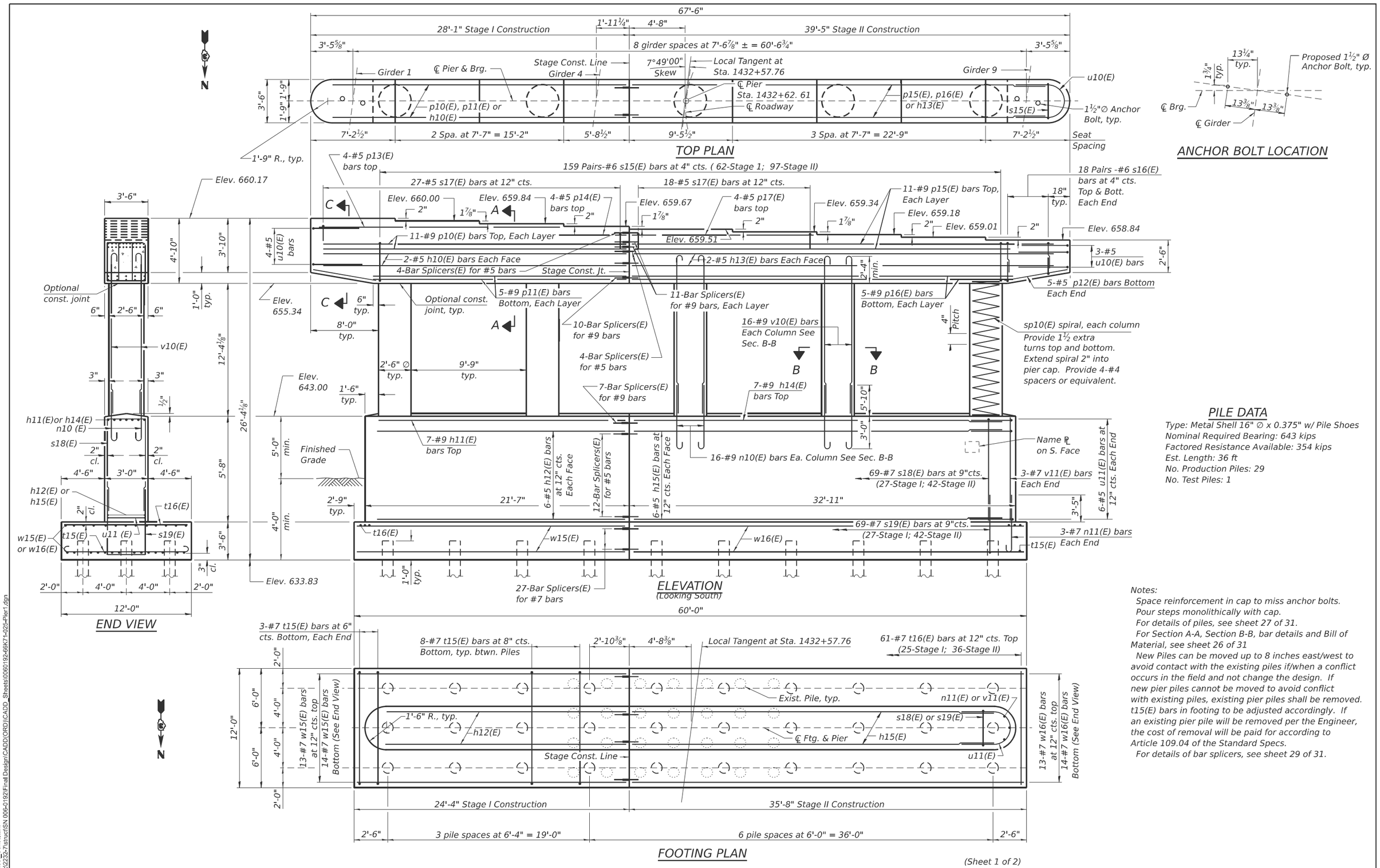
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT
STRUCTURE NO. 006-0192
SHEET 24 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	75
		CONTRACT NO. 66K71		
		ILLINOIS	FED. AID PROJECT	



PILE DATA

Type: Metal Shell 16" ∅ x 0.375" w/ Pile Shoes
Nominal Required Bearing: 643 kips
Factored Resistance Available: 354 kips
Est. Length: 36 ft
No. Production Piles: 29
No. Test Piles: 1

Notes:

Space reinforcement in cap to miss anchor bolts.

Pour steps monolithically with cap.

For details of piles, see sheet 27 of 31.

For Section A-A, Section B-B, bar details and Bill of Material, see sheet 26 of 31

New Piles can be moved up to 8 inches east/west to avoid contact with the existing piles if/when a conflict occurs in the field and not change the design. If new pier piles cannot be moved to avoid conflict with existing piles, existing pier piles shall be removed. t15(E) bars in footing to be adjusted accordingly. If an existing pier pile will be removed per the Engineer, the cost of removal will be paid for according to Article 109.04 of the Standard Specs.

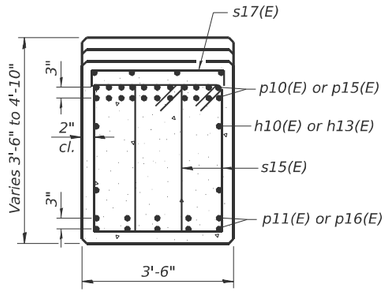
For details of bar splicers, see sheet 29 of 31.

(Sheet 1 of 2)

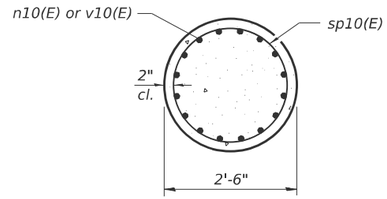
MODEL: Bl_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\ORD)\CADD_Sheets\0060192-66K71-023-Pier1.dgn

LIN ENGINEERING,LTD. Consulting Engineers Springfield, Illinois	USER NAME = Mike Haley	DESIGNED - CL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER STRUCTURE NO. 006-0192
		DRAWN - SJH	REVISED -		
		CHECKED - CZ	REVISED -		
	PLOT DATE = 3/7/2025	DATE - 12/01/2024	REVISED -		SHEET 25 OF 31 SHEETS

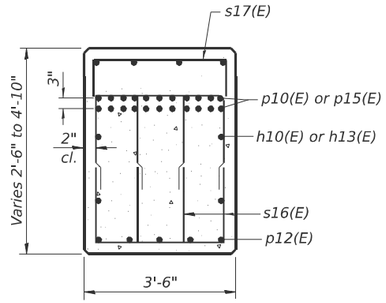
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	76
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



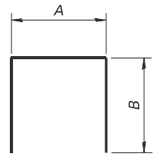
SEC. A-A



SEC. B-B



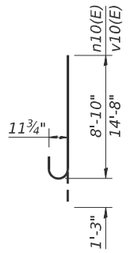
SEC. C-C



BARS s16(E), s17(E), s18(E) & s19(E)

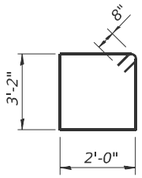
A & B DIMENSIONS

Bar	A	B
s16(E)	2'-0"	2'-4"
s17(E)	3'-2"	2'-6"
s18(E)	2'-8"	5'-4"
s19(E)	2'-8"	6'-8"

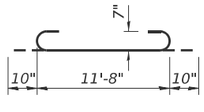


BARS n10(E) & v10(E)

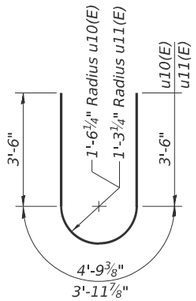
BAR n11(E)



BAR s15(E)



BAR t15(E)



BARS u10(E) & u11(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h10(E)	4	#5	26'-2"	
h11(E)	7	#9	19'-11"	
h12(E)	12	#5	19'-11"	
h13(E)	4	#5	37'-6"	
h14(E)	7	#9	31'-3"	
h15(E)	12	#5	31'-3"	
n10(E)	80	#9	10'-1"	
n11(E)	6	#7	7'-5"	
p10(E)	22	#9	26'-2"	
p11(E)	10	#9	20'-5"	
p12(E)	10	#5	7'-4"	
p13(E)	4	#5	20'-7"	
p14(E)	4	#5	8'-0"	
p15(E)	22	#9	37'-6"	
p16(E)	10	#9	30'-0"	
p17(E)	4	#5	17'-0"	
s15(E)	318	#6	11'-8"	
s16(E)	144	#6	6'-8"	
s17(E)	45	#5	8'-2"	
s18(E)	69	#7	13'-4"	
s19(E)	69	#7	16'-0"	
* sp10(E)	5	#5	12'-7"	
t15(E)	78	#7	13'-4"	
t16(E)	61	#7	11'-8"	
u10(E)	7	#5	11'-10"	
u11(E)	12	#5	11'-0"	
v10(E)	80	#9	15'-11"	
v11(E)	6	#7	5'-4"	
w15(E)	27	#7	24'-0"	
w16(E)	27	#7	35'-8"	
Structure Excavation		Cu. Yd.	111	
Concrete Structures		Cu. Yd.	181.2	
Reinforcement Bars, Epoxy Coated		Pound	36,140	
Furnishing Metal Shell Piles 16" x 0.375"		Foot	1,044	
Driving Piles		Foot	1,044	
Test Pile Metal Shells		Each	1	
Pile Shoes		Each	30	

* Length is height of spiral.

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\Struct\SN 006-0192\Final Design\CADD\(ORD)\CADD_Sheets\0060192-66K71-026-Pier2.dgn

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Mike Haley
PLOT DATE = 3/7/2025

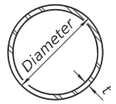
DESIGNED - CL
DRAWN - SJH
CHECKED - CZ
DATE - 12/01/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

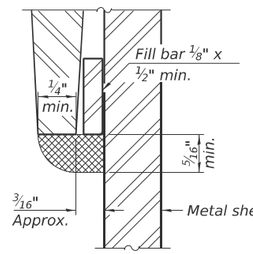
PIER
STRUCTURE NO. 006-0192
SHEET 26 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	77
		CONTRACT NO. 66K71		
		ILLINOIS	FED. AID PROJECT	

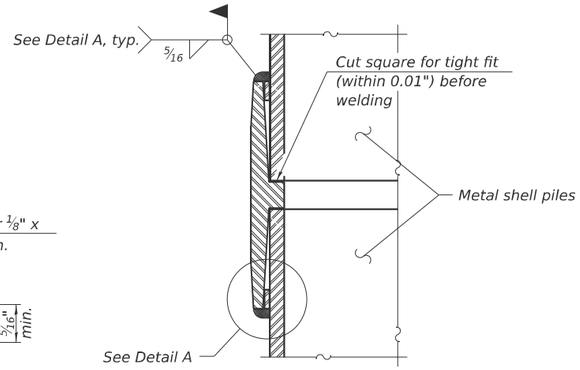


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd.³/ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470

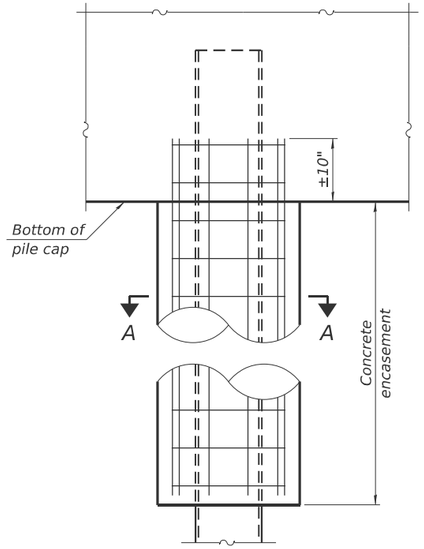


DETAIL A

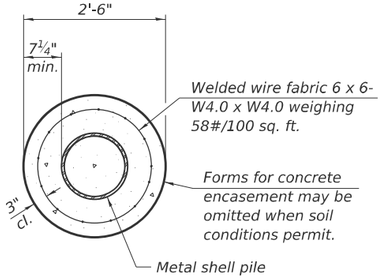


WELDED COMMERCIAL SPLICE

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



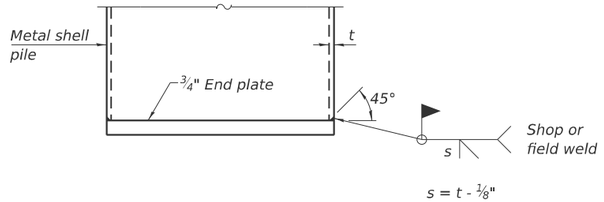
ELEVATION



SECTION A-A

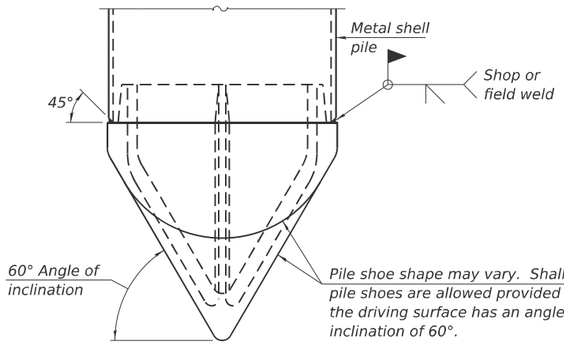
INDIVIDUAL PILE CONCRETE ENCASEMENT

(When specified)



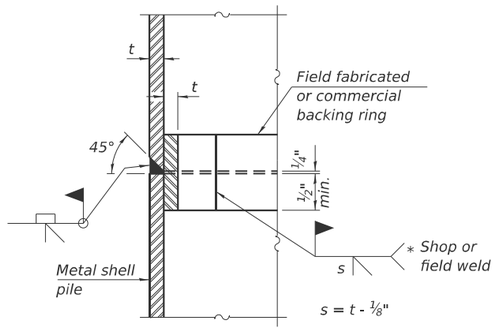
$s = t - \frac{1}{8}"$

END PLATE ATTACHMENT



PILE SHOE ATTACHMENT

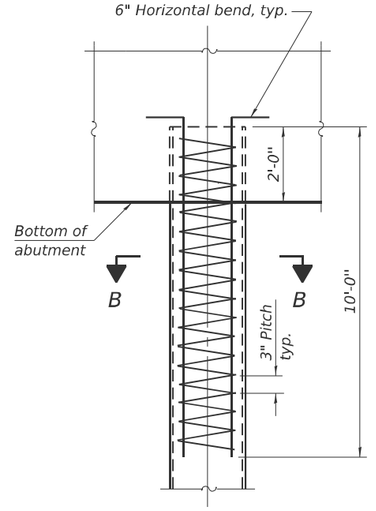
(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).



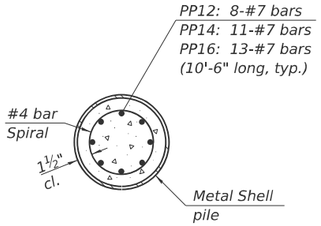
$s = t - \frac{1}{8}"$

COMPLETE PENETRATION WELD SPLICE

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



ELEVATION



SECTION B-B

REINFORCEMENT AT ABUTMENTS

(Omit when concrete encasement is specified)

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

F-MS 5-15-2023

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\006192-66K71-027-MSPileDtls.dgn

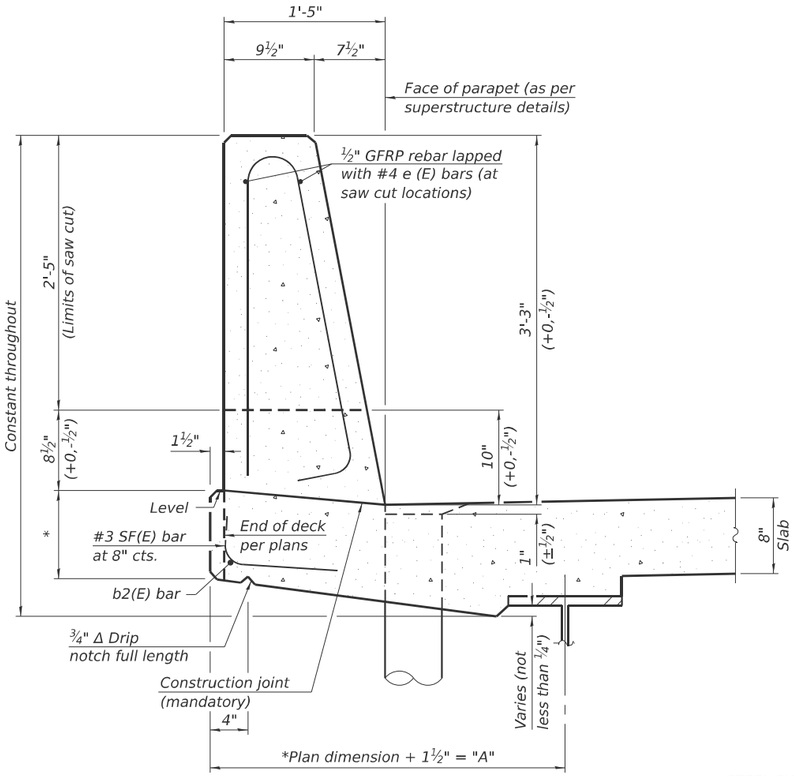
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

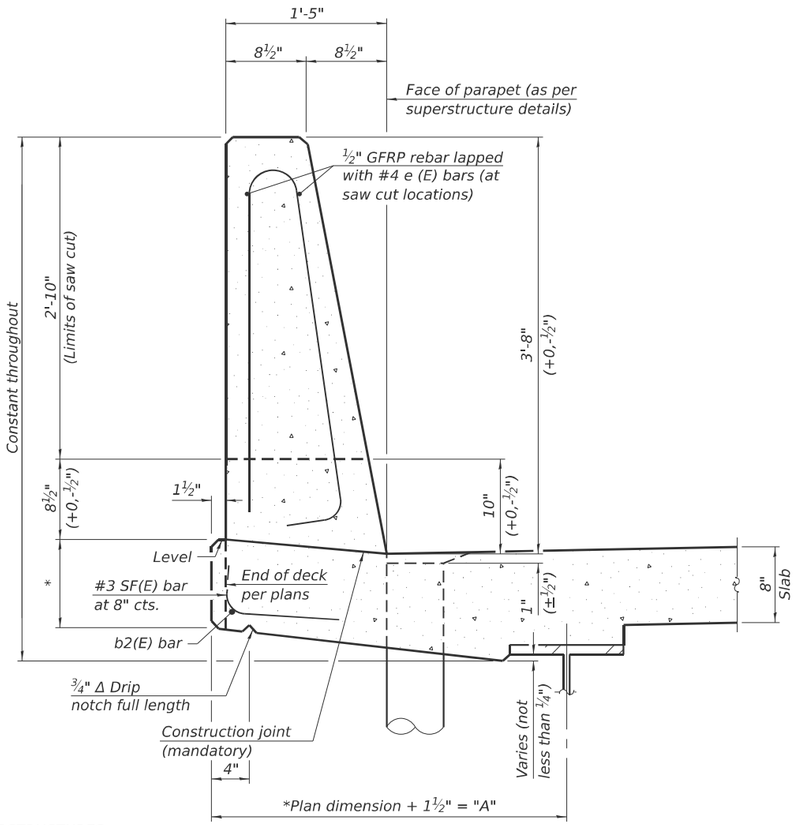
METAL SHELL PILE DETAILS
STRUCTURE NO. 006-0192
SHEET 27 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	78
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



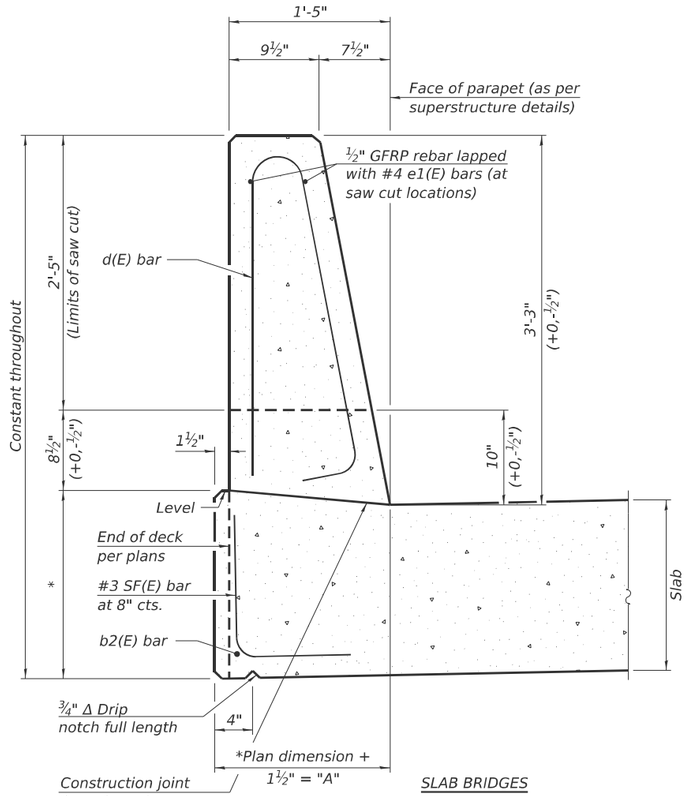
39" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)



44" CONSTANT-SLOPE PARAPET SECTION

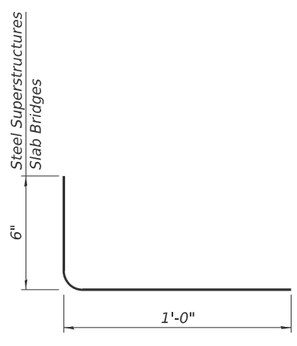
(Showing dimensions, d(E), and ½" Ø GFRP rebar)



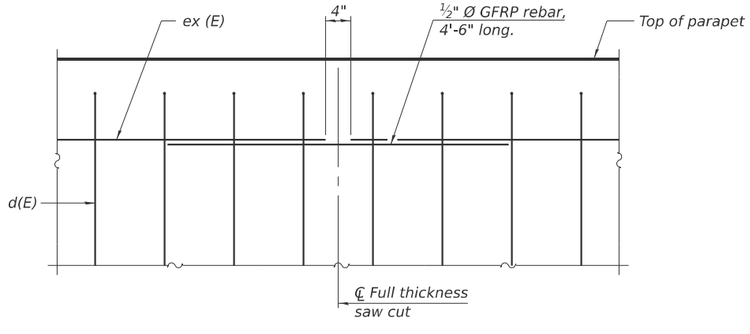
39" CONSTANT-SLOPE PARAPET SECTION

(Showing dimensions, d(E), and ½" Ø GFRP rebar)

*See Superstructure Details.



SF(E) BAR



DETAIL - GFRP REBAR STIFFENING ELEVATION

(Place as shown in parapet section at each parapet joint location.)

Notes:

All dimensions shall remain the same as shown on superstructure details, except dimension "A" which is to be revised as shown.
Additional concrete needed to revise dimension "A" (39" and 44" parapets):
Steel Superstructures: 0.00348 cu. yds./ft.
Slab Bridge Superstructures: cu. yds./ft.
Place full depth aluminum sheets as shown on superstructure details.
Replace all cork joint filler locations with a full thickness saw cut.
Steel and slab superstructures shown. Other superstructure types similar.

STEEL SUPERSTRUCTURES

SLAB BRIDGES

SFP 39-44 10/27/2023

MODEL: Bf_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\(ORD)\CADD_Sheets\0060192-66K71-028-SlipForm.dgn

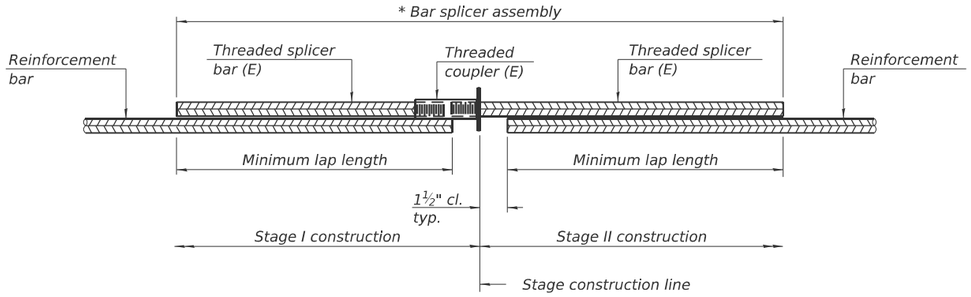
LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 006-0192
SHEET 28 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	79
		CONTRACT NO. 66K71		
		ILLINOIS	FED. AID PROJECT	



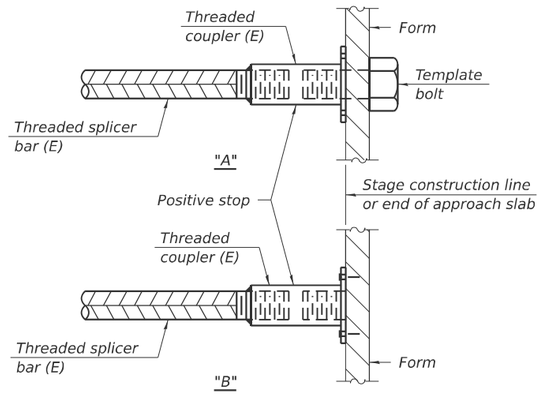
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

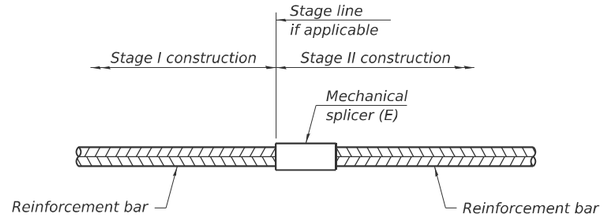
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Deck Slab	#5	921	3'-0"
Diaphragm	#6	18	3'-7"
Approach Slab	#4	30	2'-5"
Approach Slab	#5	30	3'-0"
Approach Footing	#5	80	3'-0"
Abutments	#5	8	3'-2"
Abutments	#7	20	4'-5"
Pier Cap	#5	8	3'-4"
Pier Cap	#9	32	9'-2"
Pier Wall	#5	12	3'-4"
Pier Wall	#9	7	9'-2"
Pier Footing	#7	27	4'-5"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

5-15-2023

MODEL: Br_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\006192-66K71-029-BarSplicerDtls.dgn

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 2/11/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 006-0192
SHEET 29 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	80
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 2/15/22

ROUTE FAI 80 (I-80) DESCRIPTION IL 40 over I-80, 3.5 Miles North of Buda LOGGED BY Larry Myers

SECTION (06-2HB-1)ES LOCATION SE 1/4, SEC. 9, TWP. 16N, RNG. 7E, 4th PM, Latitude 41.38654, Longitude -89.68548

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 006-0089 (Exist.)
Station 475+09.54

BORING NO. 1 (SE Quad.)
Station 474+94
Offset 197.0 ft Rt.
Ground Surface Elev. 658.83 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 631.8 ft ▼
Upon Completion 633.8 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bituminous Shoulder, Brown Silty Clay Loam and Sand and Gravel Fill			
656.33			
Hard to Very Stiff Brown and Gray Silty Clay Loam Fill and Sand and Gravel Fill, Gray Sandy Loam Fill	4		
	5 6	4.0 P	9
-5	4		
	5 6	4.0 P	10
	5		
	8 10	4.5 P	11
-10	3		
	5 13	4.2 S	11
	4		
	7 7	4.1 S	11
-15	2		
	5 8	3.2 B	14
	9		
	11 8	4.0 S	5
630.33 -20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff to Hard Light Brown Silty Clay Loam Till *(continued)*	3		
	4 5	3.8 S	13
636.83			
Very Stiff Purplish Gray Silty Clay Loam Till	2		
	3 4	3.1 B	14
▽ -25			
	1		
	3 5	3.2 B	13
▼ Silt/Sand Layers at 27 Feet	7		
	9 11		23
-30	4		
	5 7	3.6 B	13
	3		
	4 6	3.6 B	13
-35 Silt/Sand Layers at 35 Feet	3		
	5 9	3.8 B	14
	3		
	5 9	3.9 B	14
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

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 2/15/22

ROUTE FAI 80 (I-80) DESCRIPTION IL 40 over I-80, 3.5 Miles North of Buda LOGGED BY Larry Myers

SECTION (06-2HB-1)ES LOCATION SE 1/4, SEC. 9, TWP. 16N, RNG. 7E, 4th PM, Latitude 41.38654, Longitude -89.68548

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 006-0089 (Exist.)
Station 475+09.54

BORING NO. 1 (SE Quad.)
Station 474+94
Offset 197.0 ft Rt.
Ground Surface Elev. 658.83 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 631.8 ft ▼
Upon Completion 633.8 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Purplish Gray Silty Clay Loam Till *(continued)*	3		
	5 7	3.8 B	12
616.83			
Hard Purplish Gray Silty Clay Loam Till with Some Silt/Fine Sand Layers	4		
	7 10	4.3 S	13
-45	5		
	8 11	4.6 S	13
	6		
	7 9	4.4 S	13
-50	4		
	5 6	4.0 S	13
	4		
	5 9	4.1 S	24
-55	3		
602.33	6 11	4.4 S	12
Dense Gray Fine Sand with Minor Fine Gravel	7		
	12 22		22
-60			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	3		
Dense Gray Fine Sand with Minor Fine Gravel *(continued)*	8		
597.33	15 20		21
End of Boring			
-65			
-70			
-75			
-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 3/8/22

ROUTE FAI 80 (I-80) DESCRIPTION IL 40 over I-80, 3.5 Miles North of Buda LOGGED BY Larry Myers

SECTION (06-2HB-1)ES LOCATION SE 1/4, SEC. 9, TWP. 16N, RNG. 7E, 4th PM, Latitude 41.38762, Longitude -89.68537

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 006-0089 (Exist.)
Station 475+09.54

BORING NO. 2 (NW Quad.)
Station 475+20
Offset 199.0 ft Lt.
Ground Surface Elev. 664.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 635.0 ft ▼
Upon Completion 635.0 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bituminous Shoulder, Brown Silty Clay Loam Fill, Sand and Gravel fill			
661.50			
Very Stiff to Hard Brown and Gray Silty Clay Loam Fill with Some Sand and Gravel Layers	3		
	3 6	3.5 P	11
-5	7		
	8 9	>4.5 P	13
	6		
	7 8	4.4 S	11
-10	2		
	3 5	4.0 B	16
	4		
	5 6	3.8 B	14
-15	11		
	5 6	4.2 B	17
	5		
	7 7	4.0 S	15
644.00 -20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Black Silty Clay Topsoil	4		
	5 6	3.9 S	29
642.00			
Very Stiff Bluish Gray Silty Clay with Organics	2		
	2 4	2.5 B	26
639.50			
Stiff Gray and Brown Silty Clay	1		
	2 3	1.5 B	29
637.00			
Stiff Gray Silty Loam, Sand, Silt Interbedded	2		
▽ 634.50	3 4	1.5 B	18
-30 Stiff to Hard Purplish Gray Silty Clay Loam Till with Some Silt and Sand Layers	2		
	3 4	1.5 B	13
	1		
	3 4	1.8 B	14
-35	2		
	5 6	3.9 B	14
	4		
	6 8	4.3 B	13
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Note:
Borings are shown with reference to I-80 alignment.
IL Route 40 information is as follows:
Boring 1: IL Rte. 40 Sta. 1434+59.6; Offset 13.9' Lt.
Boring 2: IL Rte. 40 Sta. 1430+63.7; Offset 14.4' Rt.
Boring 3: IL Rte. 40 Sta. 1432+80.0; Offset 27.1' Lt.

MODEL: BI_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD\ORD\ICADD_Sheets\006192-66K71-030-SoilBoring1.dgn

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

USER NAME = Mike Haley	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/7/2025	DATE - 12/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING DATA
STRUCTURE NO. 006-0192
SHEET 30 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	81
		CONTRACT NO. 66K71		
		ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 3/8/22

ROUTE FAI 80 (I-80) **DESCRIPTION** IL 40 over I-80, 3.5 Miles North of Buda **LOGGED BY** Larry Myers

SECTION (06-2HB-1)ES **LOCATION** SE 1/4, **SEC.** 9, **TWP.** 16N, **RNG.** 7E, 4th **PM**, **Latitude** 41.38762, **Longitude** -89.68537

COUNTY Bureau **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** CME Automatic

STRUCT. NO. 006-0089 (Exist.)
Station 475+09.54

BORING NO. 2 (NW Quad.)
Station 475+20
Offset 199.0 ft Lt.
Ground Surface Elev. 664.00 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 635.0 ft ▼
Upon Completion 635.0 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to Hard Purplish Gray Silty Clay Loam Till with Some Silt and Sand Layers *(continued)*	4		
	5 11	4.5 B	11
	5		
	7 9	4.5 B	13
-45	5		
	6 7	4.3 B	14
	5		
	6 8	4.4 B	14
-50	5		
	7 8	4.5 B	13
	6		
610.00	8 9	4.7 B	9
Dense Gray Fine to Coarse Sand	12		
	18 22		9
607.00			
Dense Gray Fine to Coarse Sand	9		
	16 20		17
-60			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dense Gray Fine to Coarse Sand *(continued)*	10		
	14 22		16
602.50			
End of Boring			
-65			
-70			
-75			
-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 3/9/22

ROUTE FAI 80 (I-80) **DESCRIPTION** IL 40 over I-80, 3.5 Miles North of Buda **LOGGED BY** Larry Myers

SECTION (06-2HB-1)ES **LOCATION** SE 1/4, **SEC.** 9, **TWP.** 16N, **RNG.** 7E, 4th **PM**, **Latitude** 41.38702, **Longitude** -89.68532

COUNTY Bureau **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** CME Automatic

STRUCT. NO. 006-0089 (Exist.)
Station 475+09.54

BORING NO. 3 (Median)
Station 475+34
Offset 21.0 ft Rt.
Ground Surface Elev. 639.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 611.7 ft ▼
Upon Completion 625.7 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Black Silty Clay Loam Fill, Sand and Gravel Fill, Brown Silty Clay Loam Till Fill			
637.20	5		
Very Stiff Brown Silty Clay Loam Till Fill	5 5	3.5 B	14
635.20			
-5 Hard to Very Stiff Purple/Gray Silty Clay Loam Till with Silt Layers/Seams	3		
	6 6	4.1 S	11
	5		
	5 6	4.2 S	14
-10	2		
	3 4	3.5 B	13
	4		
	5 6	4.2 S	12
-15 ▽	3		
	5 8	4.3 S	12
	5		
	8 9	4.9 S	13
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard to Very Stiff Purple/Gray Silty Clay Loam Till with Silt Layers/Seams *(continued)*	5		
	7 9	5.3 S	11
	5		
	8 9	5.3 S	11
-25	9		
	16 18	7.2 S	10
▼	5		
	7 9	4.8 B	12
-30	5		
	6 9	5.0 S	11
	5		
	10 15	7.1 S	9
604.70 -35	5		
Medium to Dense Gray Fine Sand to Medium Gravel - Interbedded with Minor Silt Beds	6 11		13
	10		
	12 18		21
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

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 3/9/22

ROUTE FAI 80 (I-80) **DESCRIPTION** IL 40 over I-80, 3.5 Miles North of Buda **LOGGED BY** Larry Myers

SECTION (06-2HB-1)ES **LOCATION** SE 1/4, **SEC.** 9, **TWP.** 16N, **RNG.** 7E, 4th **PM**, **Latitude** 41.38702, **Longitude** -89.68532

COUNTY Bureau **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** CME Automatic

STRUCT. NO. 006-0089 (Exist.)
Station 475+09.54

BORING NO. 3 (Median)
Station 475+34
Offset 21.0 ft Rt.
Ground Surface Elev. 639.70 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 611.7 ft ▼
Upon Completion 625.7 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium to Dense Gray Fine Sand to Medium Gravel - Interbedded with Minor Silt Beds *(continued)*	9		
	11 15		20
	9		
	10 18		24
-45	10		
	12 16		19
	12		
	16 21		14
-50	11		
	18 24		13
588.20			
End of Boring			
-55			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Note:
Borings are shown with reference to I-80 alignment.
IL Route 40 information is as follows:
Boring 1: IL Rte. 40 Sta. 1434+59.6; Offset 13.9' Lt.
Boring 2: IL Rte. 40 Sta. 1430+63.7; Offset 14.4' Rt.
Boring 3: IL Rte. 40 Sta. 1432+80.0; Offset 27.1' Lt.

LIN ENGINEERING, LTD.
Consulting Engineers
Springfield, Illinois

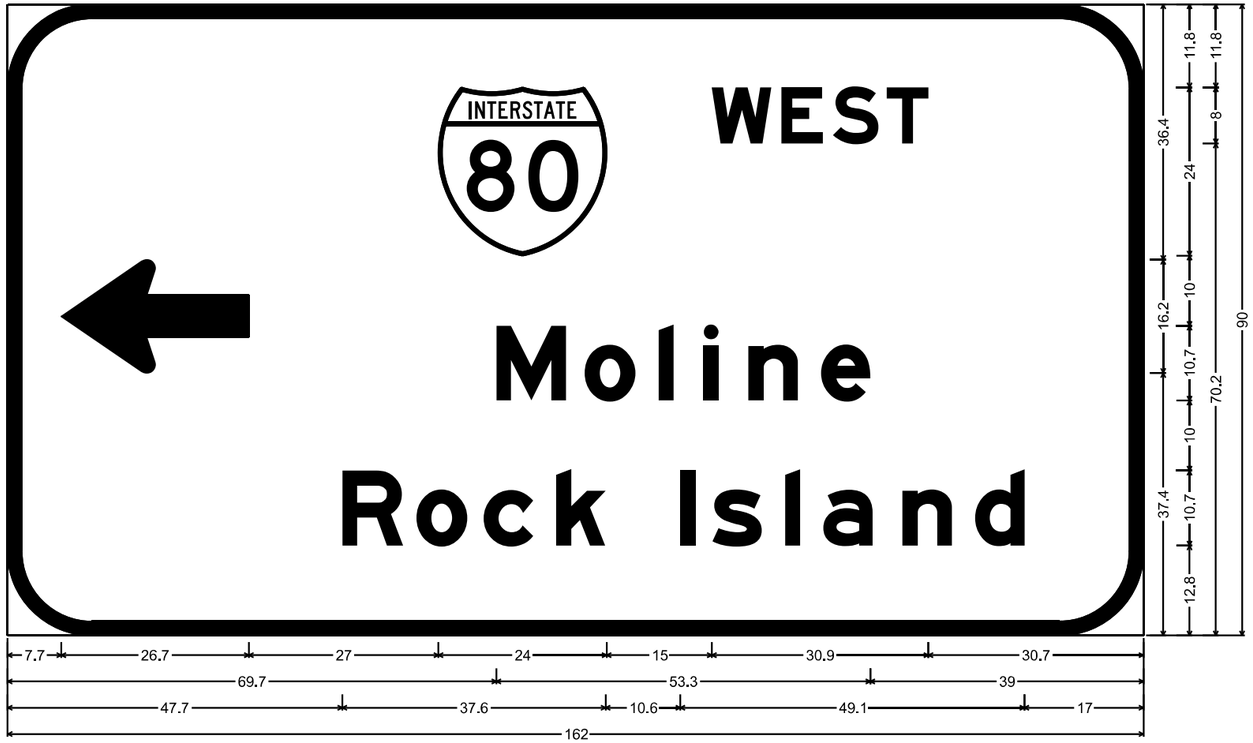
USER NAME = Mike Haley	DESIGNED - CL	REVISED -	
	DRAWN - SJH	REVISED -	
	CHECKED - CZ	REVISED -	
PLOT DATE = 3/7/2025	DATE - 12/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING DATA
STRUCTURE NO. 006-0192
SHEET 31 OF 31 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)ES	BUREAU	129	82
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

MODEL: BI_Sheet_Consultant
FILE NAME: E:\2232-7\struct\SN 006-0192\Final Design\CADD(ORD)\CADD_Sheets\0060192-66K71-031-SoilBoring2.dgn



12.0" Radius, 2.0" Border, White on Green;
Standard Arrow Custom 26.8" X 16.1" 180°; "WEST", E Mod 2K; "Moline", E Mod 2K; "Rock Island", E Mod 2K;
Table of letter and object lefts

7.7	61.4	W 100.4	E 110.4	S 117.7	T 125.4
M 69.7	o 82.3	l 92.9	i 99.3	n 105.7	e 116.0
R 47.7	o 58.3	c 67.9	k 78.2	l 95.9	s 100.5	l 110.9	a 116.3	n 127.6	d 138.0

STA. 1425+60

MODEL: Untitled-1 [Sheet]
FILE NAME: H:\P222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-Sign Detail.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

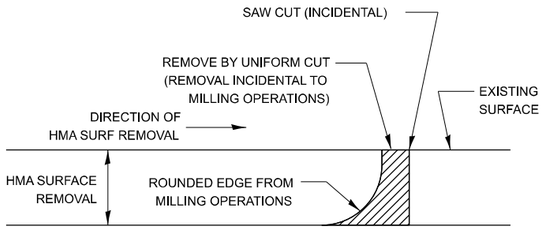
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN DETAILS
CONSTRUCTION DETAILS

SCALE: | SHEET 1 OF 9 SHEETS | STA. | TO STA.

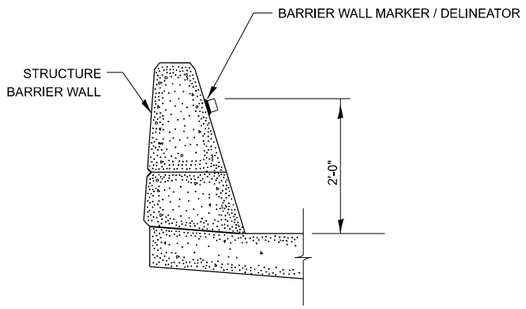
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	83
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



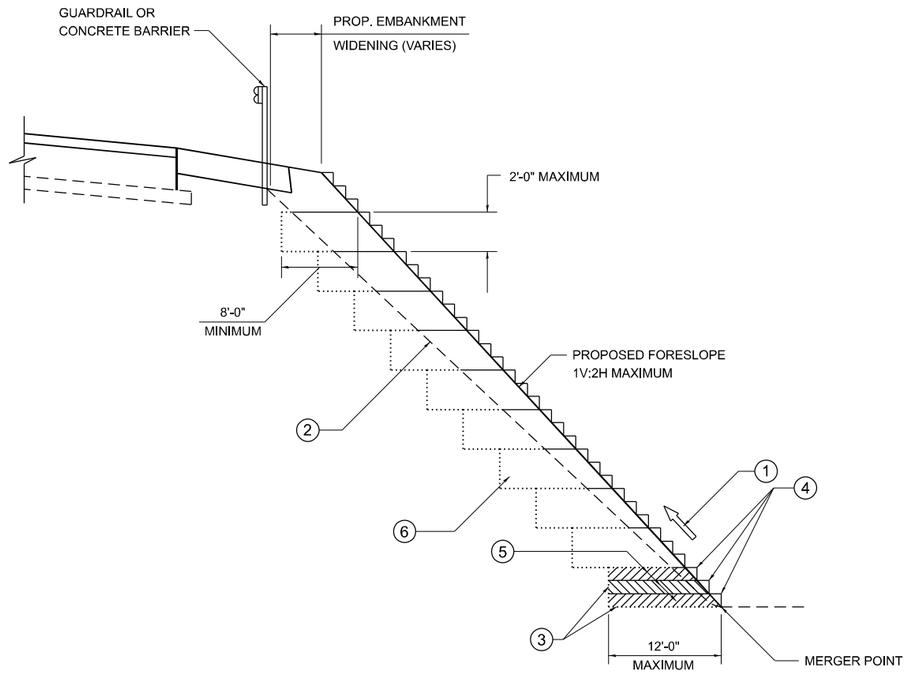
NOTE:

WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA BUTT JOINT SAW CUTS



BARRIER WALL MARKER



TYPICAL BENCHING DETAIL FOR EMBANKMENT

NOTES:

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 1V:4H AND THE HEIGHT IS GREATER THAN 5'.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MODEL: Construction Details-1 [Sheet]
FILE NAME: H:\P222138 - D3 VJ\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D36K71-sht-details.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

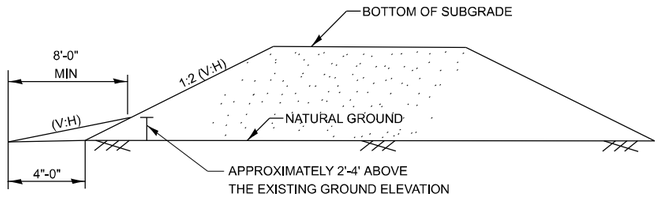
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: | SHEET 2 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	84
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



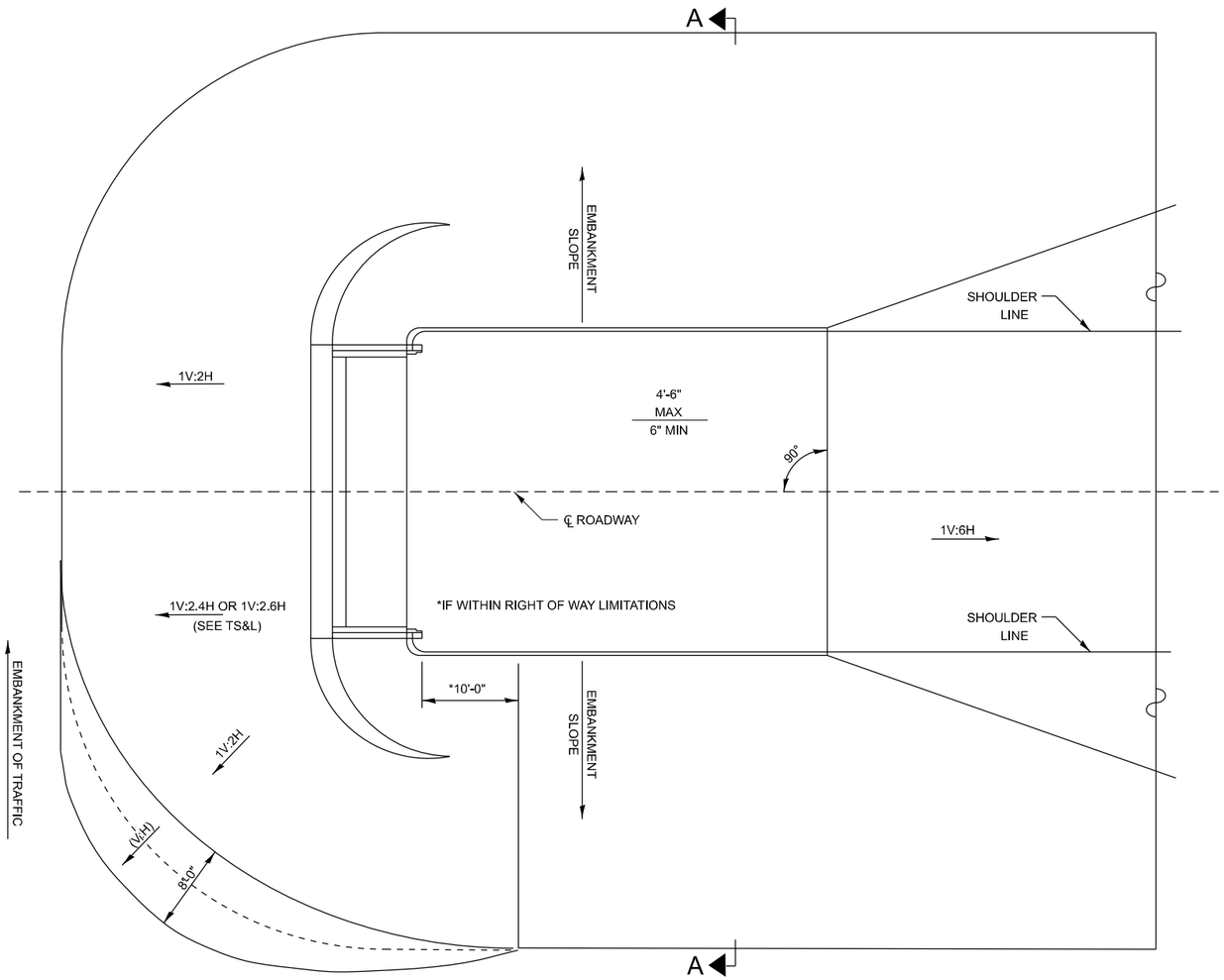
SECTION A-A

NOTES:

- APPLIES TO STRAIGHT OR SKEWED SINGLE STRUCTURES.
- UNDER RESTRICTIVE CONDITIONS, A 1:4 CAN BE USED FOR ANY FACILITY TYPE. SEE FIGURES 3.14.1-1 AND 3.14.1-2 OF THE BRIDGE MANUAL.
- PER BDE 38-4.C, THE RECOMMENDED TRANSVERSE SLOPES ARE AS FOLLOWES.

TYPE OF FACILITY	DESIRABLE (V:H)	ACCEPTABLE (V:H)
FREEWAYS	1:10	1:6
RURAL NON-FREEWAYS*	1:10	1:6
URBAN NON-FREEWAYS*	1:6	1:4
URBAN NON-FREEWAYS**	1:6	1:4

* DESIGN SPEED (V) GREATER THAN OR EQUAL TO 50 MPH.
** DESIGN SPEED (V) LESS THAN OR EQUAL TO 45 MPH.



EMBANKMENT CONE DETAIL

MODEL: Construction Details-2 [Sheet]
FILE NAME: H:\P222138 - D3 VA\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-details.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: | SHEET 3 OF 9 SHEETS | STA. | TO STA.

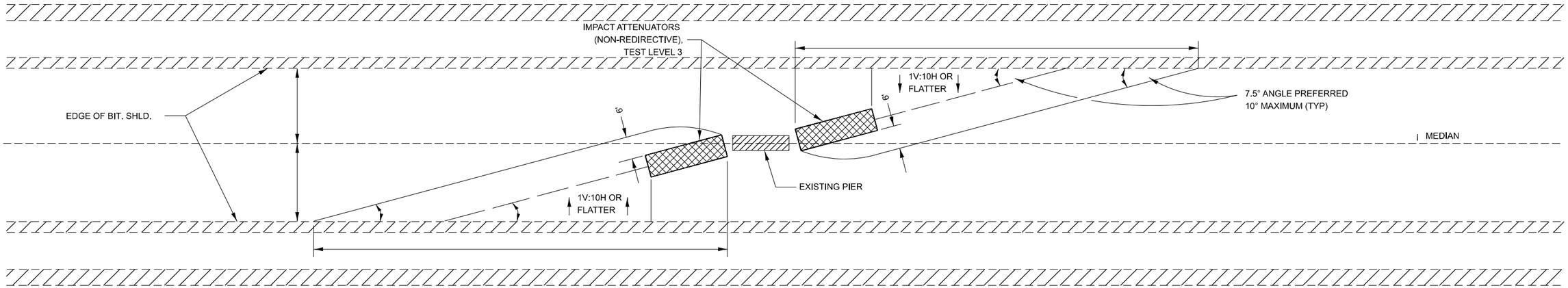
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	85
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

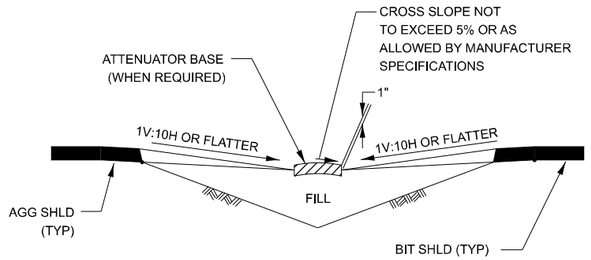
1. THE 10:1 SLOPE CONTROLS NOSE OF ATTENUATOR BASE ELEVATION.

2. ATTENUATOR BASE GRADE PARALLELS EDGE OF PAVEMENT GRADE.

3. SLOPE ADJACENT TO ATTENUATOR BASE SHALL BE 10:1 OR FLATTER.



IMPACT ATTENUATOR LAYOUT AND GRADING PLAN



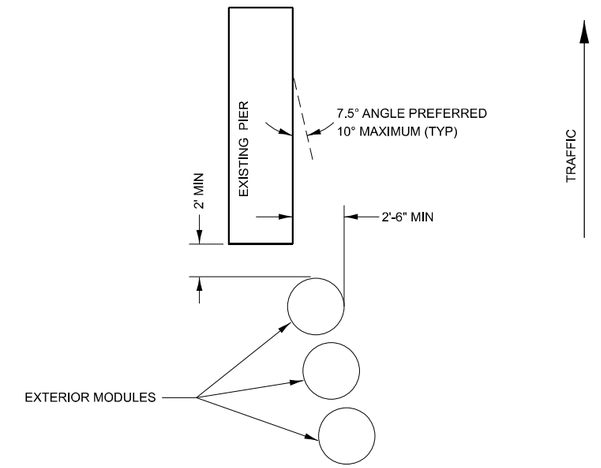
SECTION A - A

NOTE:

ATTENUATOR BASE SHALL BE PER MANUFACTURER SPECIFICATIONS EXCEPT SAND MODULE SYSTEMS SHALL HAVE THE FOLLOWING ADDITIONAL REQUIREMENTS:

1. ATTENUATOR BASE SHALL PROVIDE A 1' BUFFER ALONG THE SIDES AND FRONT OF THE ARRAY.

2. SAND MODULE SYSTEMS SHALL BE PLACED ON A HMA OR CONCRETE BASE.



TYPICAL EXTERIOR MODULE LAYOUT

MODEL: Construction Details-4 [Sheet]
FILE NAME: H:\P\222138 - D3 VJ\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-details.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

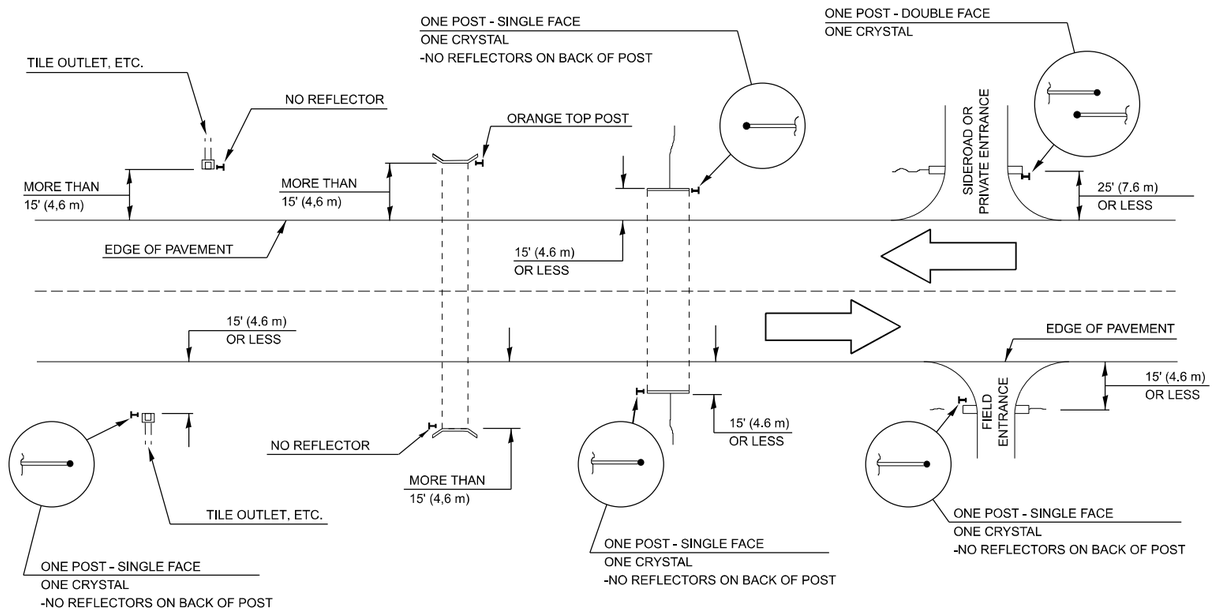
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: | SHEET 4 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	86
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

IDENTIFICATION OF ROADSIDE HAZARDS FOR TWO-LANE ROADWAYS



BILL OF MATERIALS

DELINEATOR TYPE	SINGLE FACE	DOUBLE FACE	NO REFLECTOR	TOTAL DELINEATORS
SINGLE CRYSTAL			N/A	
NO REFLECTOR			TOTAL	

NOTE:

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE THERE IS NO GUARDRAIL, OR OTHER PERMANENT BARRIER, ON THE SAME SIDE OF THE ROAD AS THE HAZZARD.

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE DELINEATORS ARE NOT IN PLACE ALONG THE EDGE OF SHOULDER.

EACH POST SHALL BE CONSIDERED AS ONE DELINEATOR FOR PAYMENT, REGUARDLESS OF THE NUMBER OF DELINEATORS ATTACHED TO IT.

FOR ONE-WAY AND INTERSTATE ROADWAYS THE APPLICATION SHALL BE SIMILAR WITH DELINEATORS PLACED ON THE TRAFFIC APPROACH SIDE OF HAZARDS AND OBJECTS, ONLY SINGLE FACE DELINEATORS WILL BE REQUIRED ON ONE-WAY ROADWAYS, CRYSTAL ON THE RIGHT SIDE AND AMBER ON THE LEFT SIDE.

FOR OTHER DELINEATOR APPLICATIONS, REFER TO HIGHWAY STANDARD 635001.

MODEL: Construction Details-5 [Sheet]
FILE NAME: H:\P222138 - D3 VJV\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-details.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

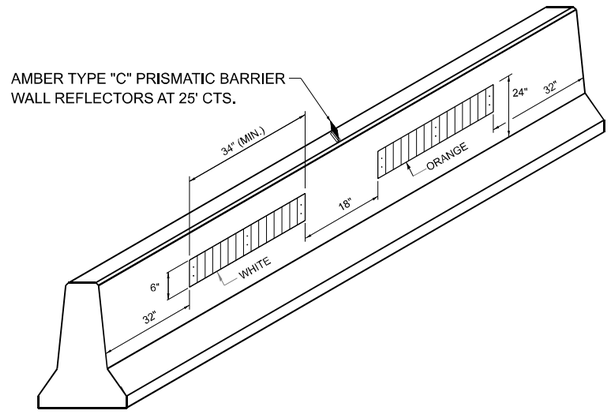
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

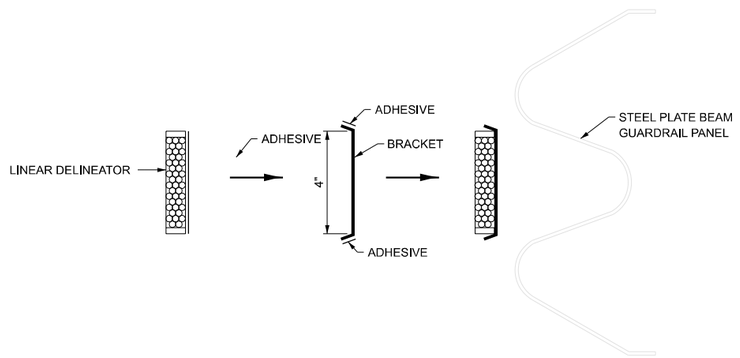
CONSTRUCTION DETAILS

SCALE: | SHEET 5 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	87
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



LINEAR DELINEATOR PANELS FOR TEMPORARY CONCRETE BARRIER



4" BRACKET

LINEAR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL

LINEATOR DELINEATOR SHALL BE APLLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS

MODEL: Construction Details-6 [Sheet]
FILE NAME: H:\P\222138 - D3 VARIOUS 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-details.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

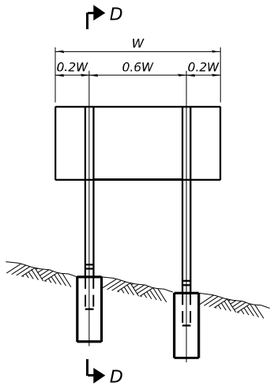
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

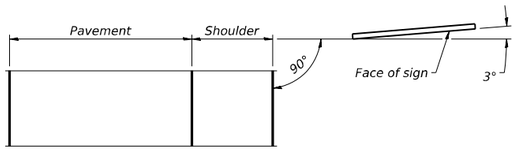
SMART WORK ZONE DETAIL
CONSTRUCTION DETAILS

SCALE: | SHEET 6 OF 9 SHEETS | STA. | TO STA.

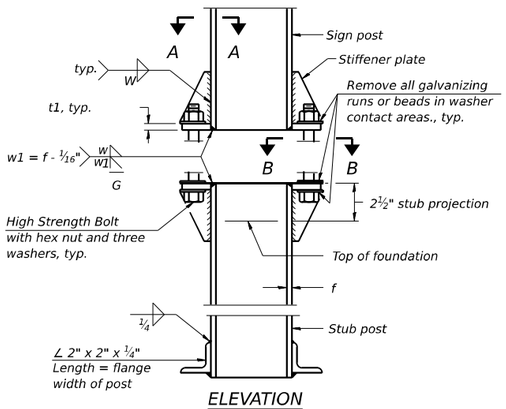
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	88
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



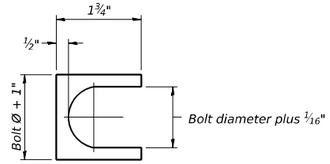
ELEVATION



LOCATION SKETCH

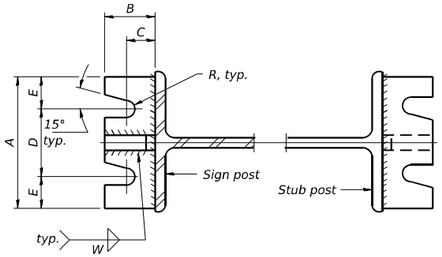


ELEVATION
SIGN POST & STUB POST

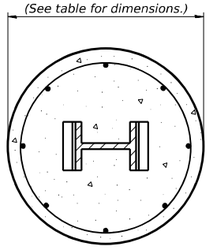


SHIM DETAIL

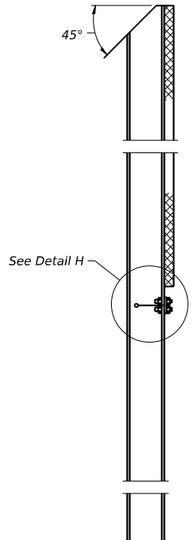
Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

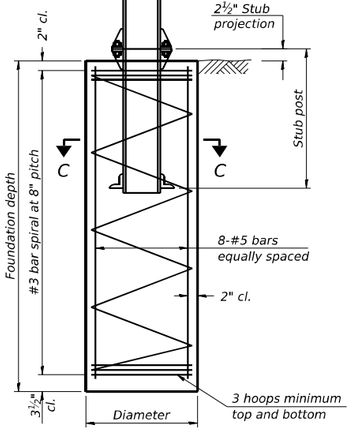


SECTION A-A SECTION B-B

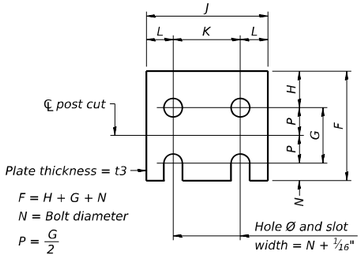


SECTION C-C



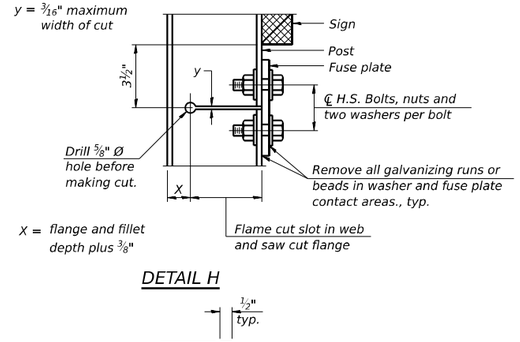


SECTION D-D

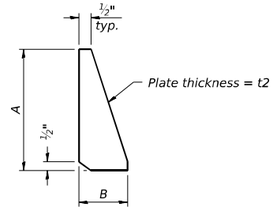


FUSE PLATE DETAIL
(Install with notches down.)

FUSE PLATE DATA		
N = Bolt Diameter	G	H
½"	2"	1⅛"
⅝"	2¼"	1¼"
¾"	2½"	1⅜"
⅞"	2¾"	1½"
1"	3"	1⅝"
1⅛"	3¼"	1¾"
1¼"	3½"	1⅞"



DETAIL H



STIFFENER PLATE DETAIL
Diameter

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS

MODEL: Construction Details-7 [Sheet]
FILE NAME: H:\P222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-details.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

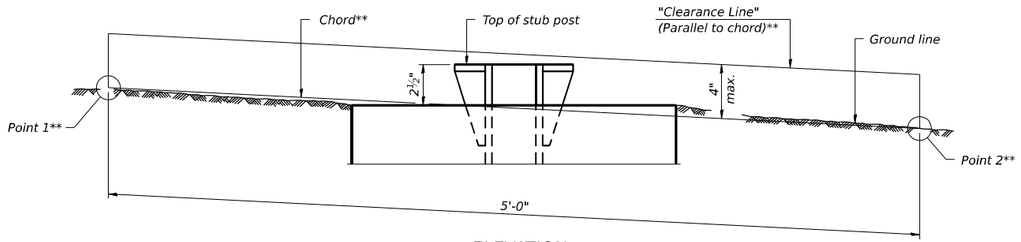
SCALE: | SHEET 7 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	89
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

POST	CONCRETE FOUNDATION TABLE								POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA			
	Foundation			Reinforcement				Stub Post														
	Diameter	*Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length	lbs. (2)	Length	Bolt Size	A	B	C	D	E	t1	t2	R	W	J	K	L	t3
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-3"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	4"	2¼"	⅞"	¼"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	⅝" x 3¼"	6"	2¼"	1¼"	3½"	1¼"	¾"	½"	11/32"	¼"	6"	3½"	1¼"	⅜"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8½"	79'-0"	78	2'-6"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¼"	2¾"	1¼"	⅜"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2½"	105'-0"	92	3'-0"	¾" x 3¾"	6"	2½"	1⅜"	3¼"	1⅜"	1"	½"	13/32"	5/16"	5¾"	2¾"	1½"	½"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2½"	112'-0"	98	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	5¾"	2¾"	1½"	⅝"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2½"	119'-0"	107	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6½"	3½"	1½"	⅝"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8½"	145'-0"	113	3'-0"	⅞" x 4"	7"	2¾"	1½"	4"	1½"	1"	¾"	15/32"	⅜"	6¾"	3½"	1⅝"	½"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8½"	153'-0"	122	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	6¾"	3½"	1⅝"	½"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8½"	162'-0"	130	3'-6"	1" x 4½"	7½"	3"	1¾"	4"	1¾"	1¼"	¾"	17/32"	⅜"	7"	3½"	1¾"	½"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																			
	Sign Height																			
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	½" x 1½"	½" x 1½"	½" x 1½"	½" x 1½"	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——	——
W6x15	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	——	——	——	——	——	——	——	——	——	——	——	——
W8x18	½" x 1¾"	½" x 1¾"	½" x 1¾"	½" x 1¾"	⅝" x 2"	⅝" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	¾" x 2"	——	——	——	——	——	——	——	——	——	——	——
W10x22	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	——	——	——	——	——	——	——	——	——	——
W10x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	——	——	——	——	——	——	——
W12x26	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	——	——	——	——	——	——
W14x30	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2"	⅝" x 2"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	¾" x 2¼"	——	——	——	——
W14x38	½" x 2"	½" x 2"	½" x 2"	½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"
W16x45	——	½" x 2"	½" x 2"	½" x 2"	½" x 2"	1½" x 2"	½" x 2"	⅝" x 2¼"	⅝" x 2¼"	⅝" x 2¼"	¾" x 2½"	¾" x 2½"	⅞" x 2½"	⅞" x 2½"	⅞" x 2½"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"	1" x 2¾"



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

(1) Quantity includes all concrete necessary for one foundation.

(2) Includes reinforcement bars and spiral hooping for one foundation.

BREAK-AWAY WIDE FLANGE STEEL SIGN POST TABLES

MODEL: Construction Details-8 [Sheet]
FILE NAME: H:\P222138 - D3 VJV\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-details.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

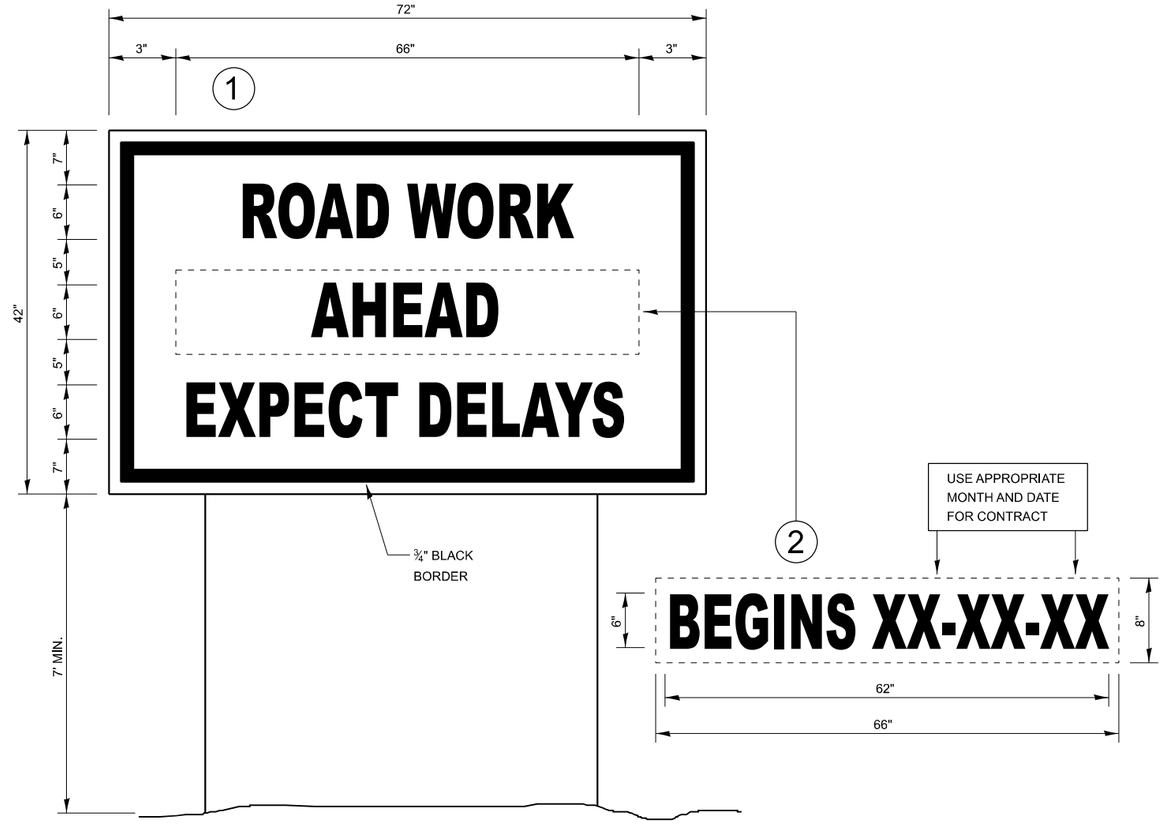
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: | SHEET 8 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	90
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



TEMPORARY INFORMATION SIGNING

NOTES:

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

720-8

MODEL: Untitled-3 [Sheet]
FILE NAME: H:\P2221138 - D3 V-A\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-details.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

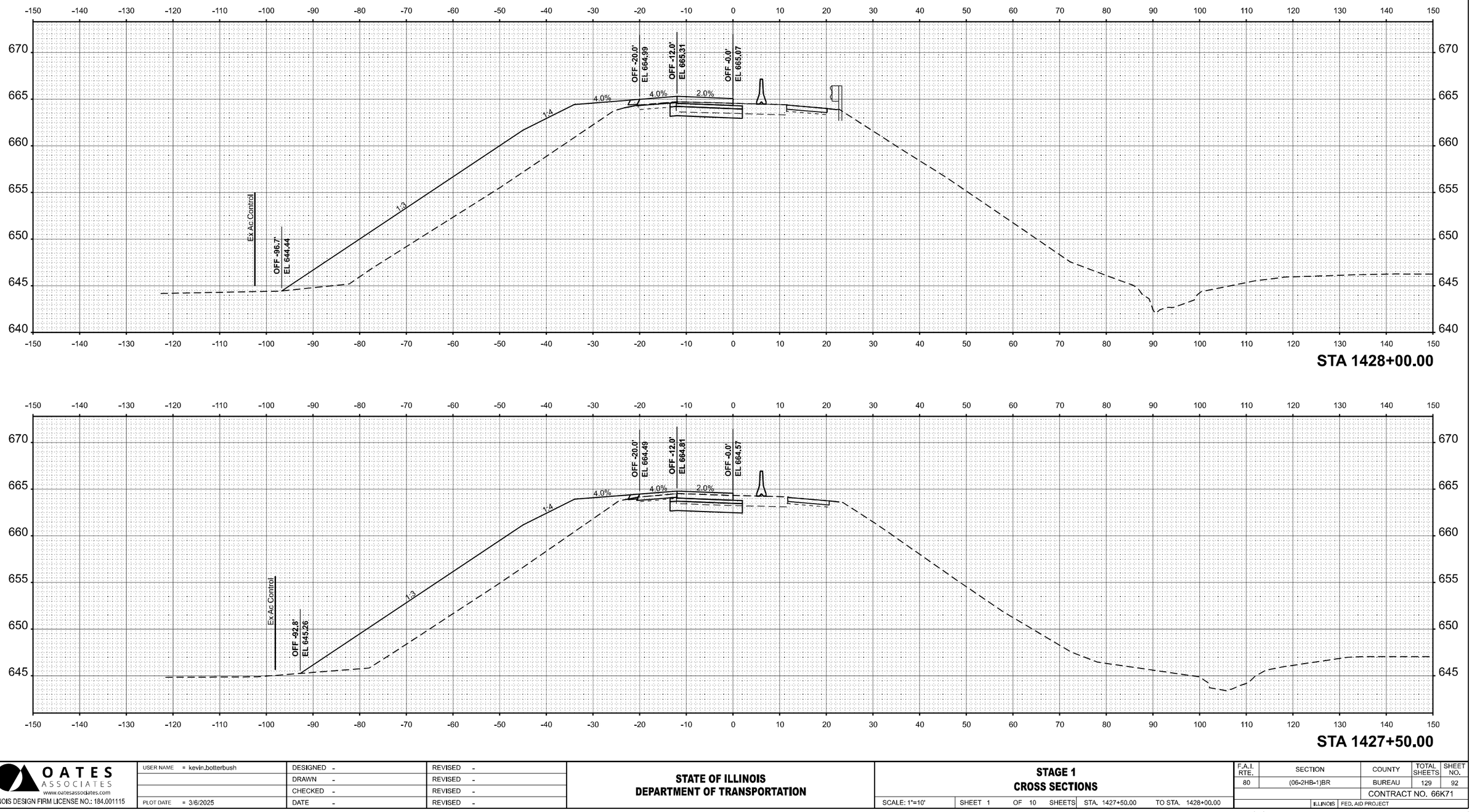
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: | SHEET 9 OF 9 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	91
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



STA 1428+00.00

STA 1427+50.00

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

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

MODEL: Ex-I-40 - 1427+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 1.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

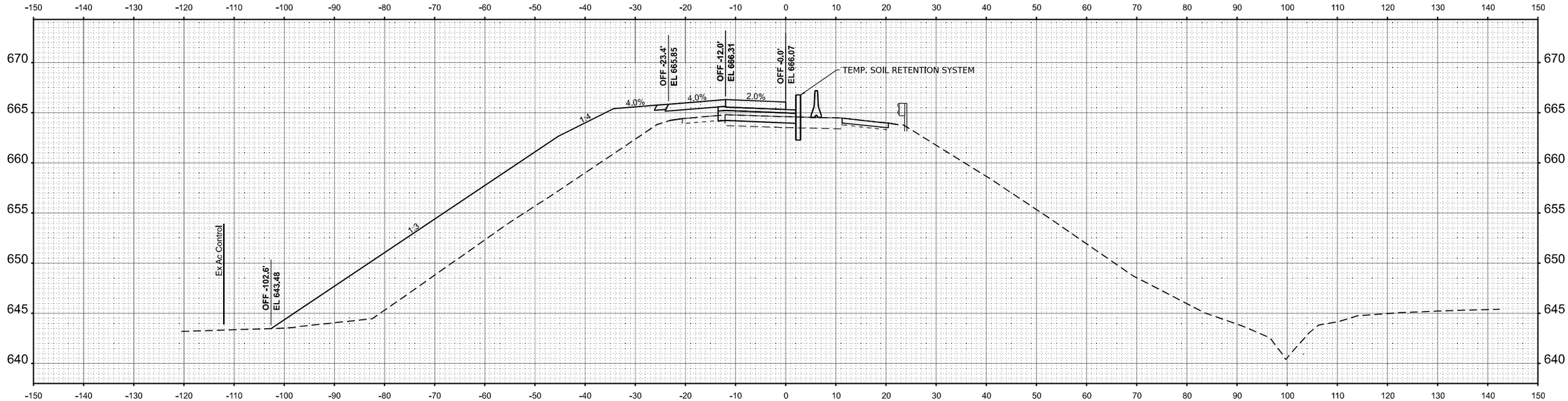
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

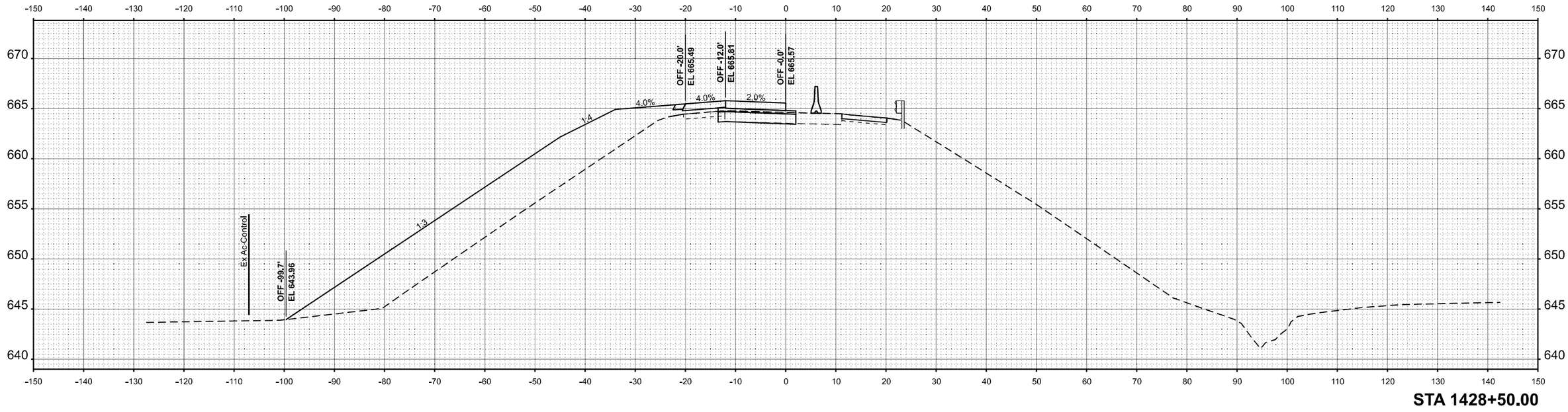
STAGE 1
CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 10 SHEETS | STA. 1427+50.00 | TO STA. 1428+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	92
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1429+00.00



STA 1428+50.00

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

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

MODEL: Ex-IL-40 - 1428+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 1.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

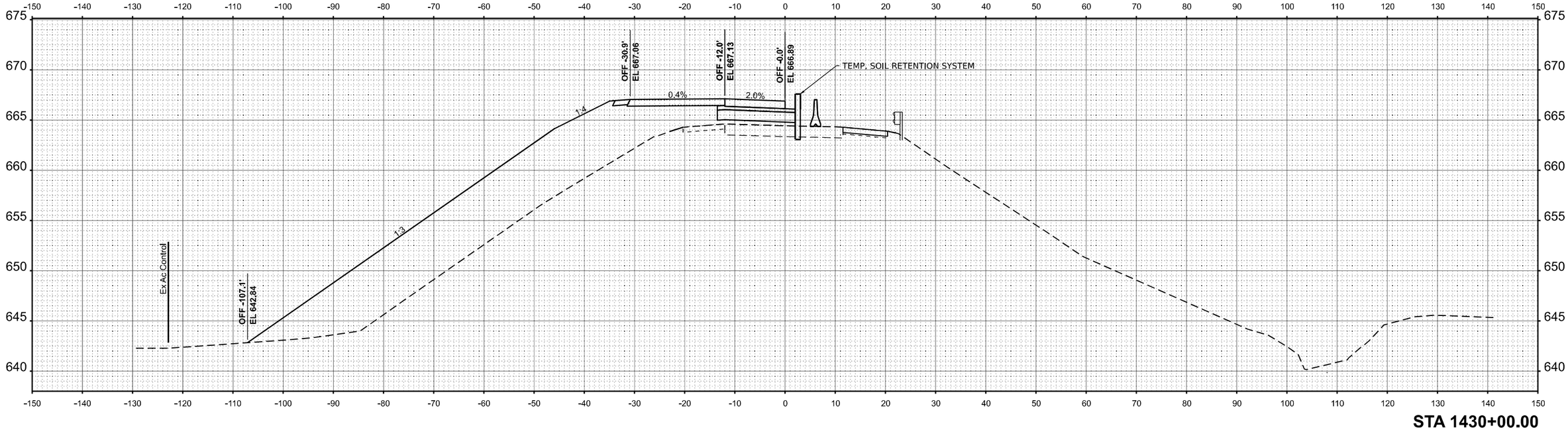
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

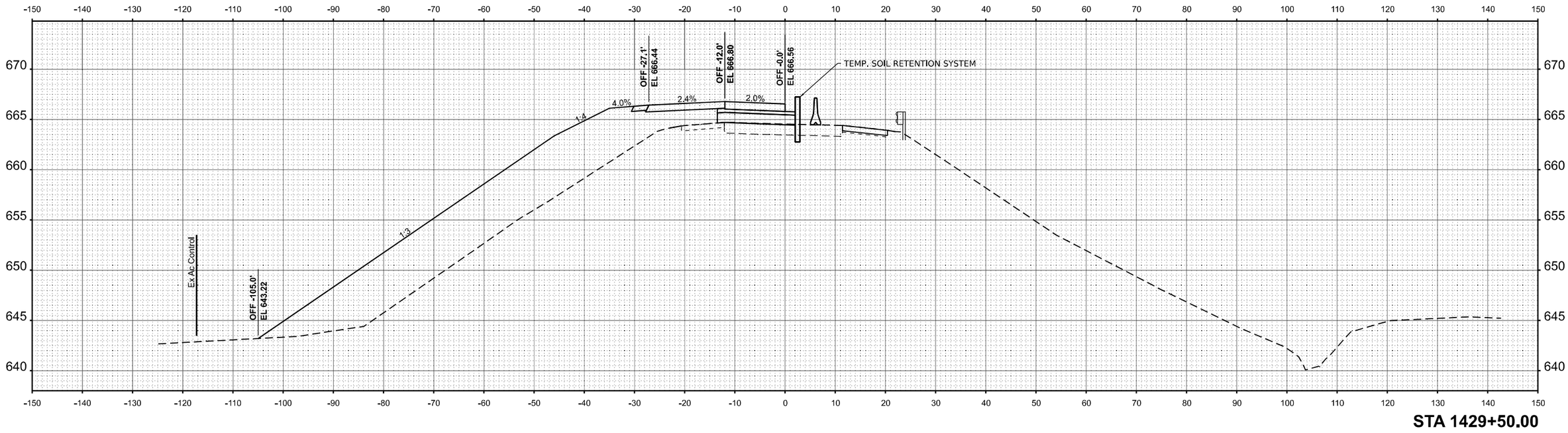
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1
CROSS SECTIONS

SCALE: 1"=10' | SHEET 2 OF 10 SHEETS | STA. 1428+50.00 | TO STA. 1429+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	93
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		





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

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

MODEL: Ex-IL40 - 1429+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-A\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 1 .dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

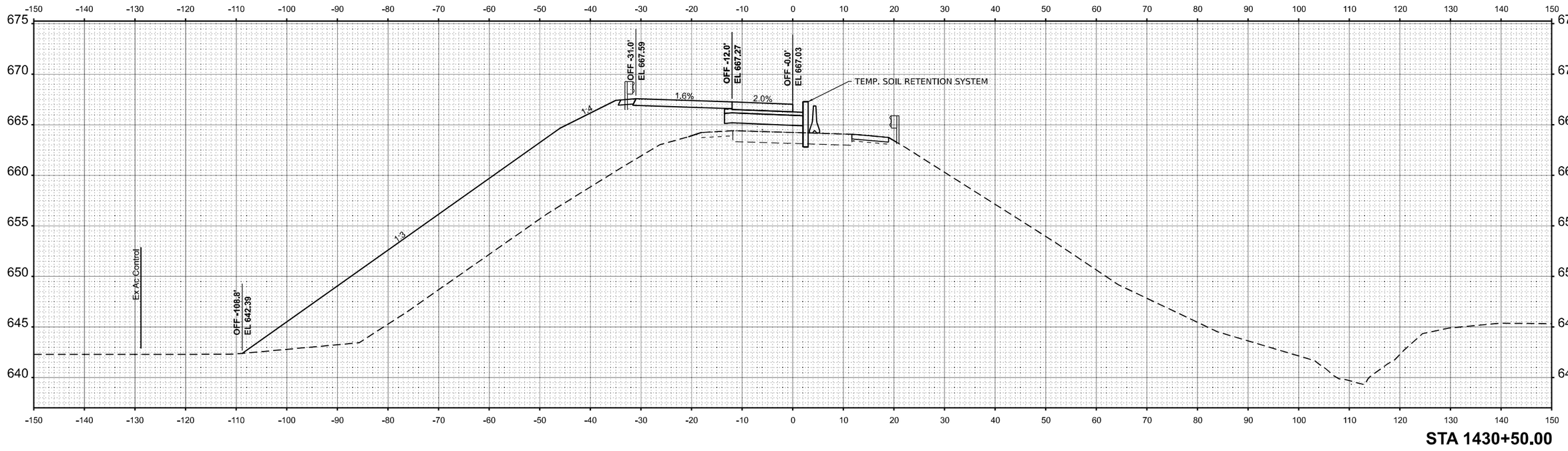
STAGE 1
CROSS SECTIONS

SCALE: 1"=10' | SHEET 3 OF 10 SHEETS | STA. 1429+50.00 | TO STA. 1430+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	94
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

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

BRIDGE OMISSION
STA 1430+87.85 TO STA 1434+29.86



STA 1430+50.00

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

MODEL: Ex-IL-40 - 1430+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 1 .dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

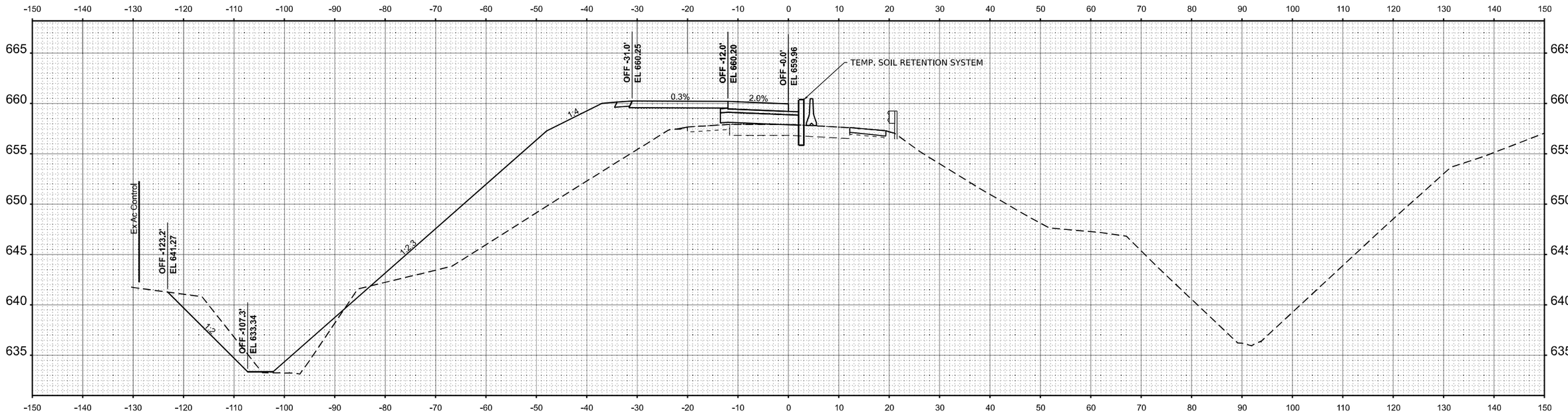
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

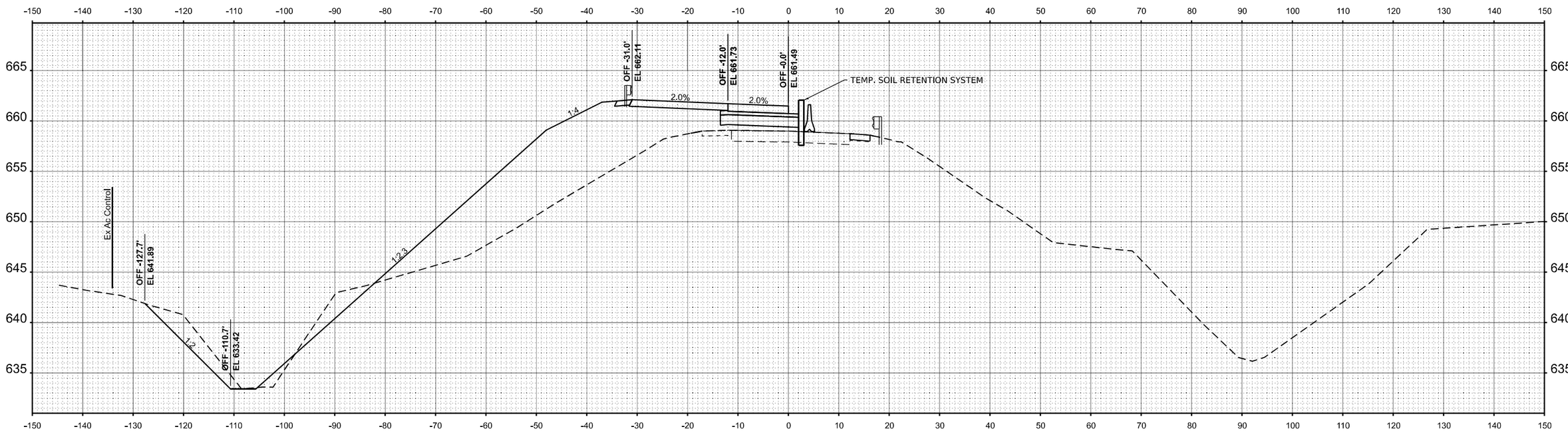
STAGE 1
CROSS SECTIONS

SCALE: 1"=10' | SHEET 4 OF 10 SHEETS | STA. 1430+50.00 | TO STA. 1430+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	95
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1435+00.00



STA 1434+50.00

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

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

MODEL: Ex-IL-40 - 1434+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-A\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 1 .dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

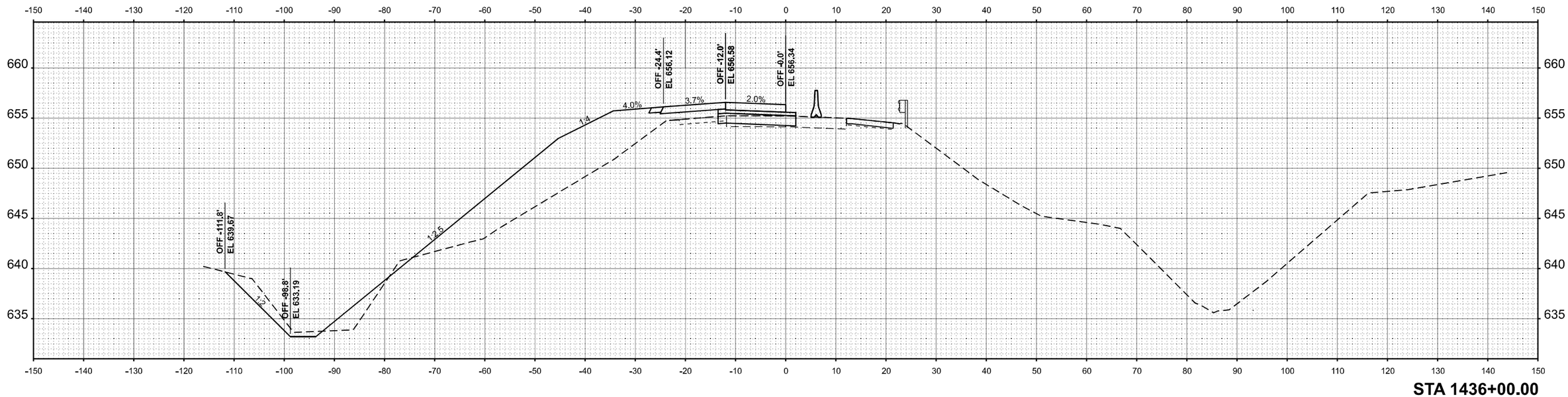
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

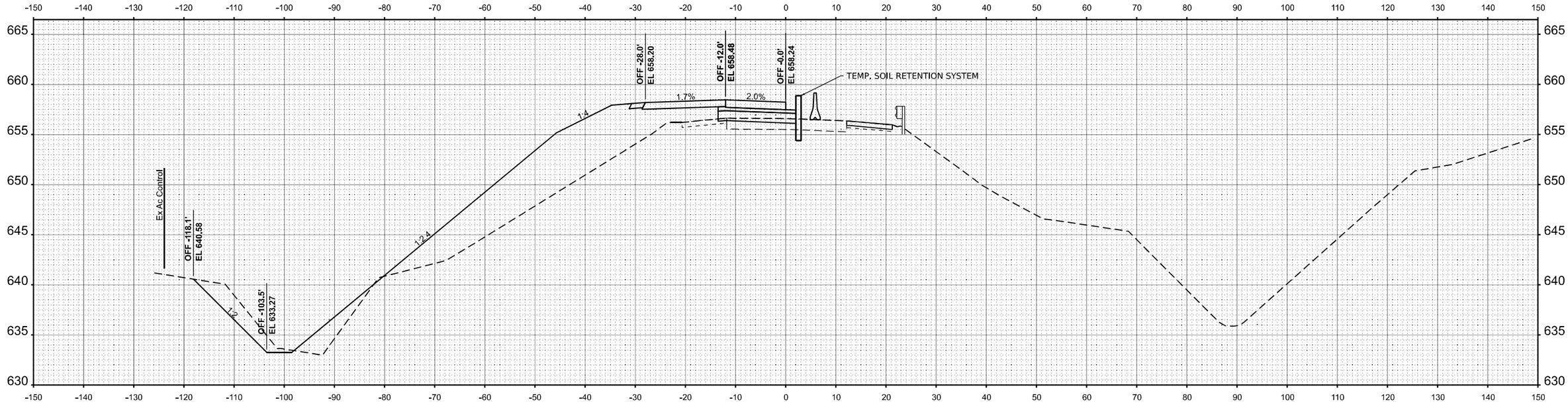
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1
CROSS SECTIONS

SCALE: 1"=10' | SHEET 5 OF 10 SHEETS | STA. 1434+50.00 | TO STA. 1435+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	96
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		





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

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

BY	DATE

MODEL: Ex-IL40 - 1435+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-xx-sec stage 1.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

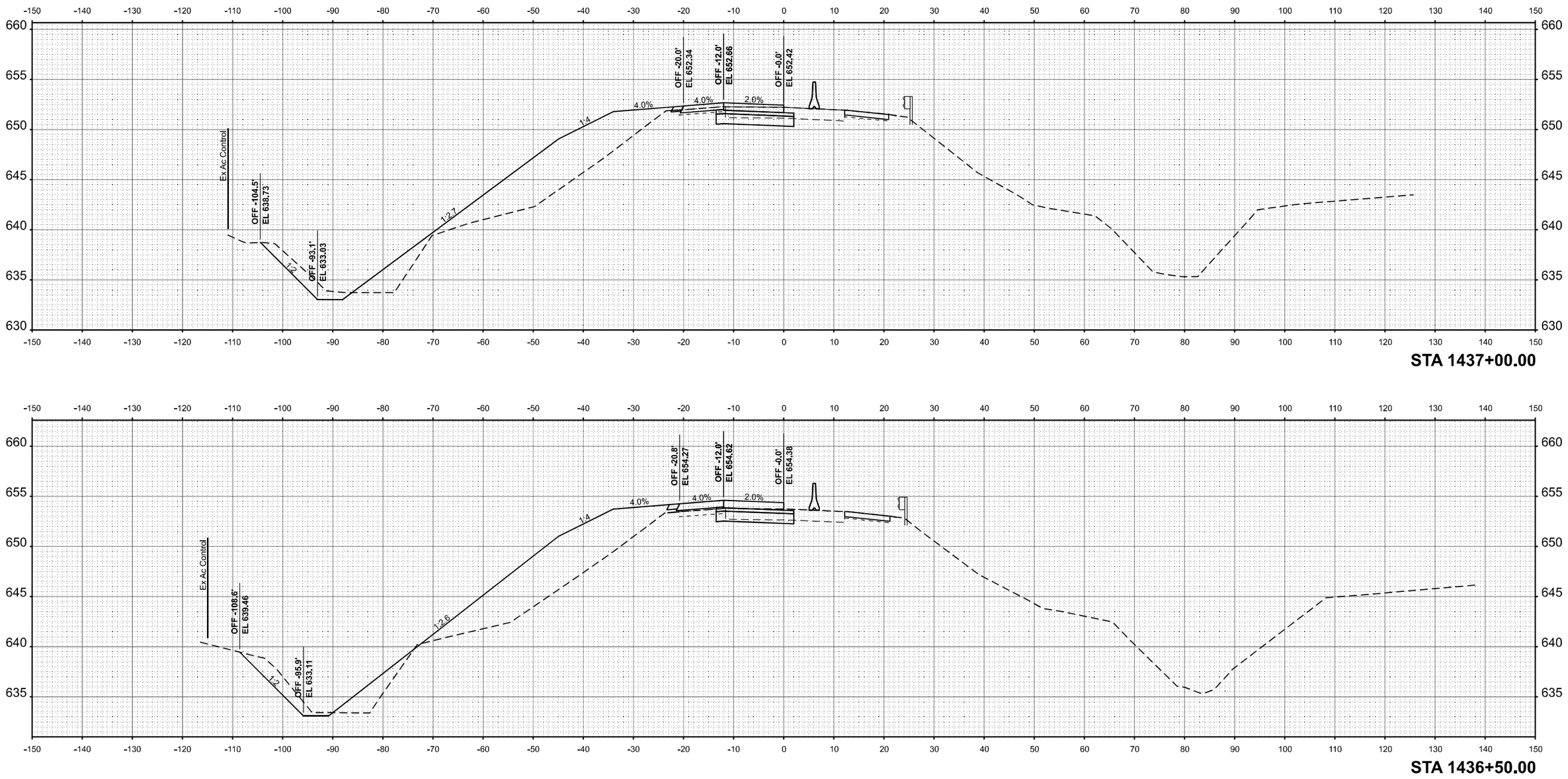
USER NAME = kevin.botterbush	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/6/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1
CROSS SECTIONS

SCALE: 1"=10' | SHEET 6 OF 10 SHEETS | STA. 1435+50.00 | TO STA. 1436+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	97
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY | NOTE BOOK | NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY | NOTE BOOK | NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

MODEL: Ex-IL40 - 1436+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 1.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

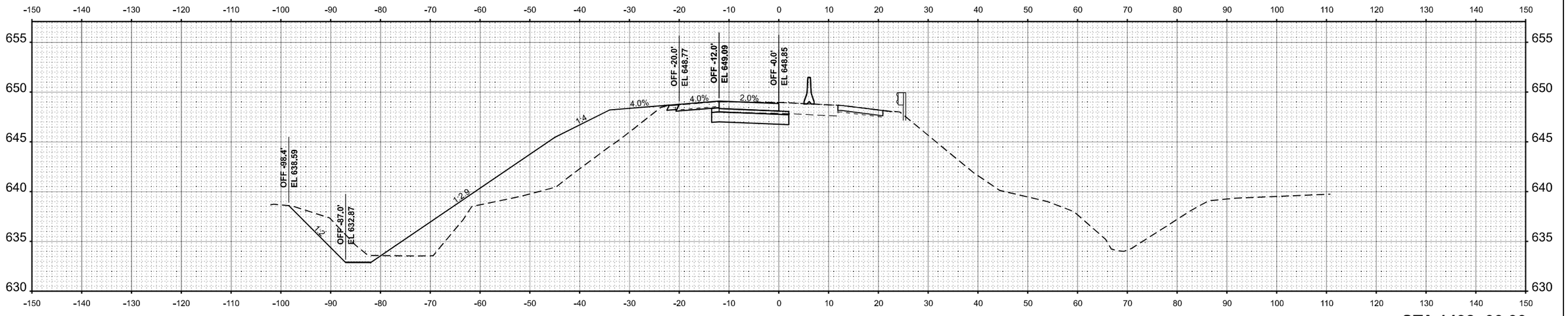
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

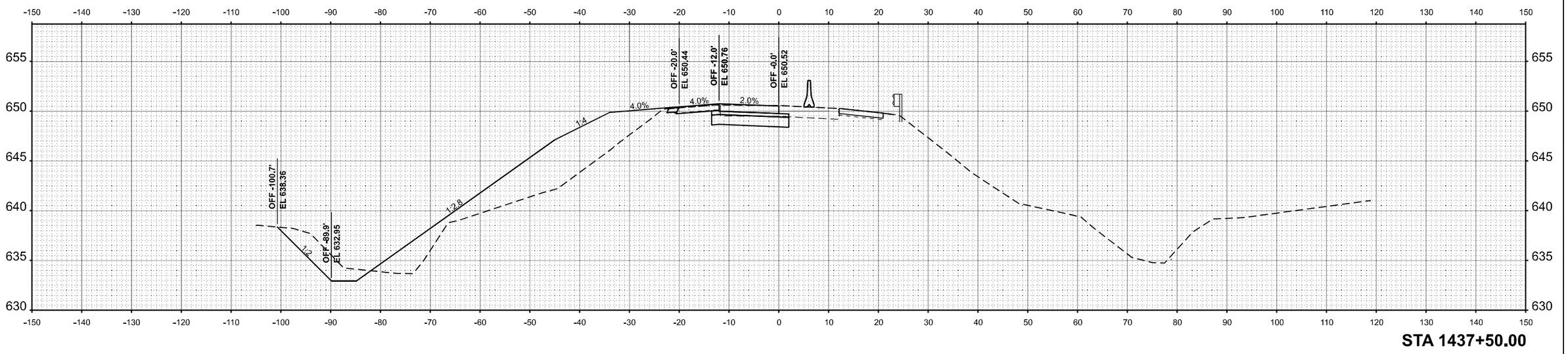
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1
CROSS SECTIONS

SCALE: 1"=10' | SHEET 7 OF 10 SHEETS | STA. 1436+50.00 | TO STA. 1437+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	98
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		





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

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

MODEL: Ex-IL40 - 1437+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 1.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

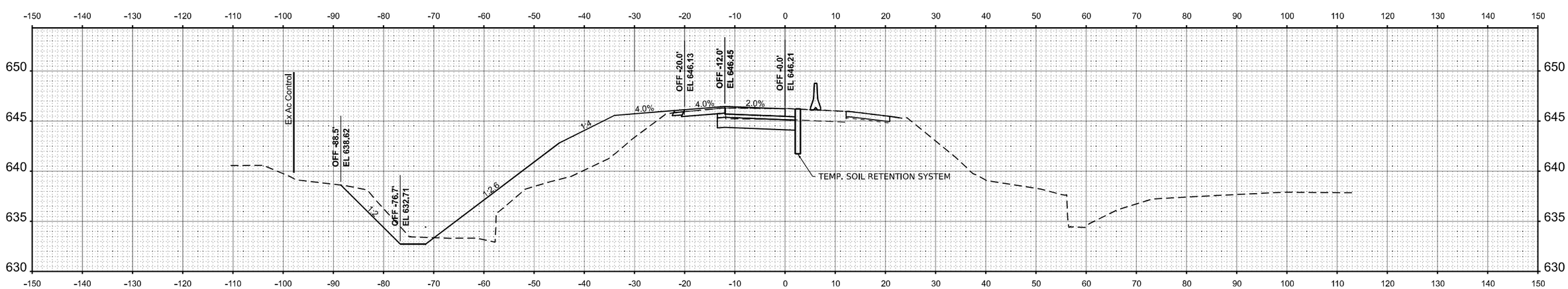
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1
CROSS SECTIONS

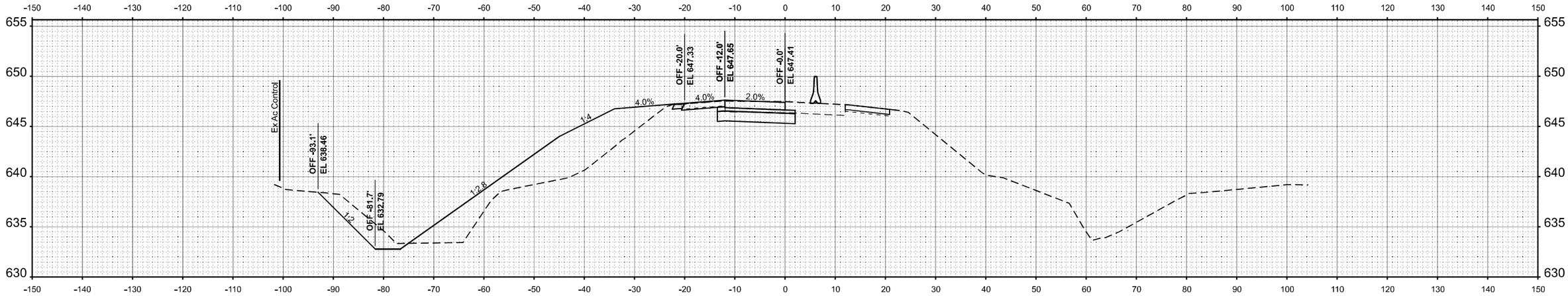
SCALE: 1"=10' | SHEET 8 OF 10 SHEETS | STA. 1437+50.00 | TO STA. 1438+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	99
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

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



STA 1439+00.00



STA 1438+50.00

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

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

MODEL: Ex-IL40 - 1438+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VV\W0 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D368K71-sht-x-sec stage 1.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

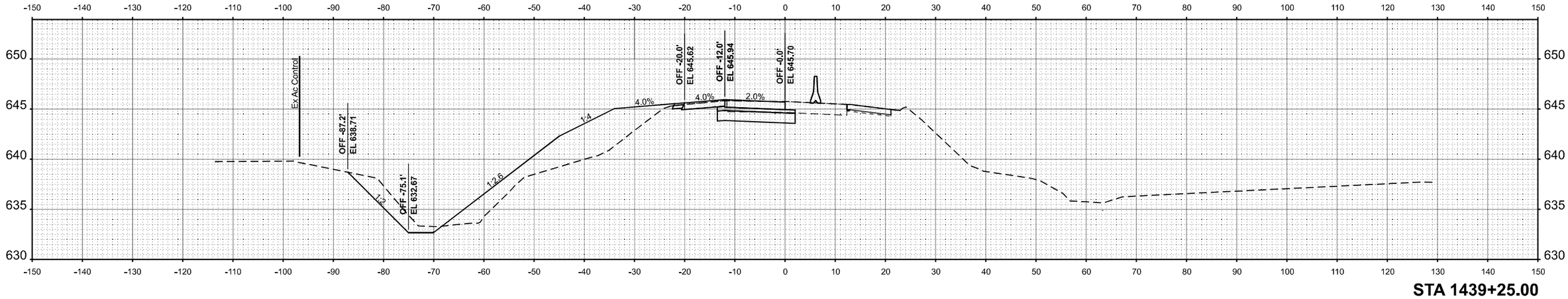
USER NAME = kevin.botterbush	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/6/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

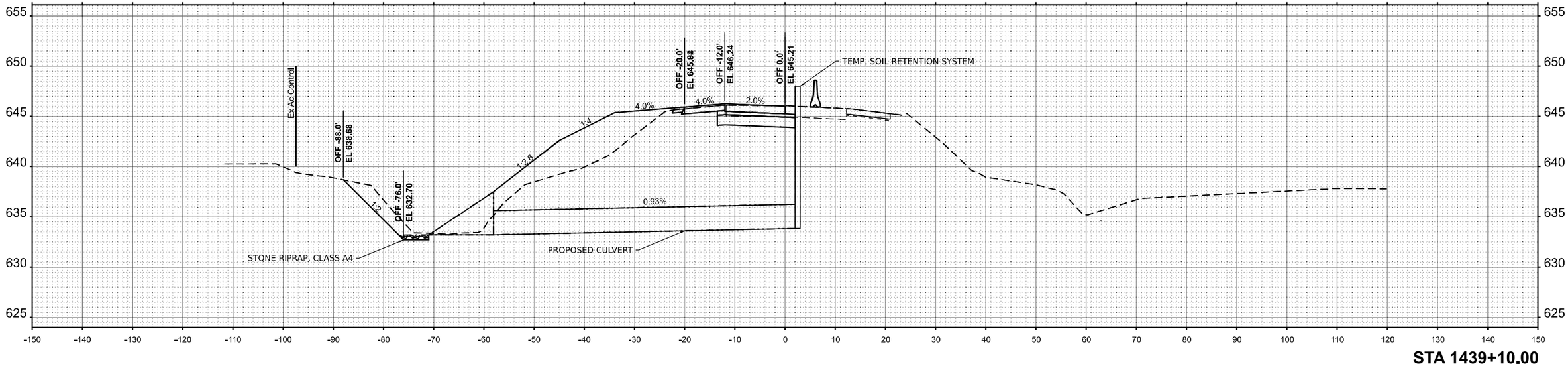
STAGE 1
CROSS SECTIONS

SCALE: 1"=10' | SHEET 9 OF 10 SHEETS | STA. 1438+50.00 | TO STA. 1439+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	100
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



STA 1439+25.00



STA 1439+10.00

FINAL SURVEY	NOTE BOOK	NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY	DATE

MODEL: Ex-IL40 - 1439+25.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-slH-x-sec stage 1.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

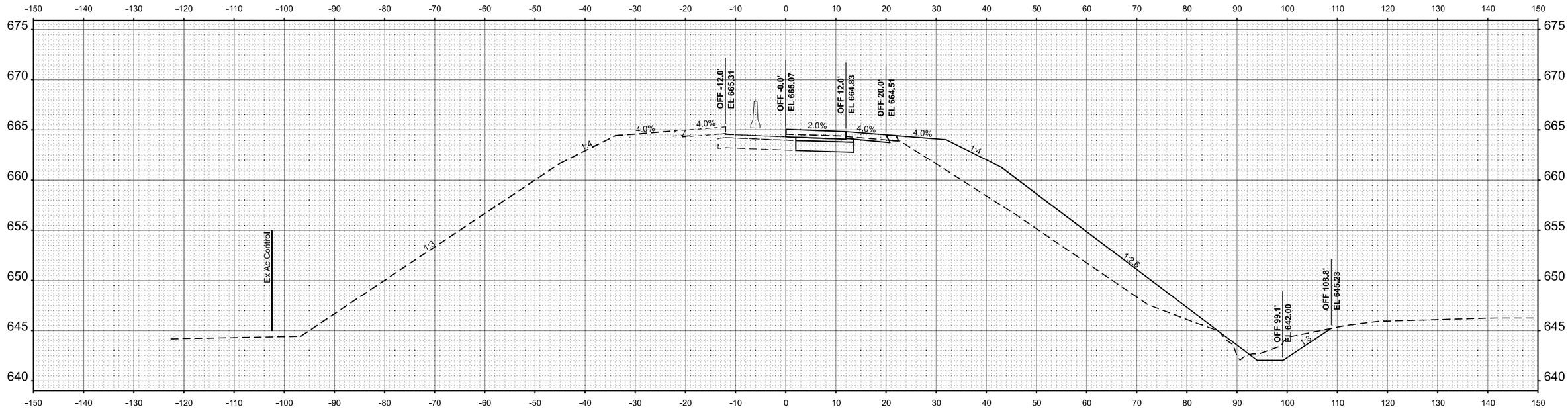
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

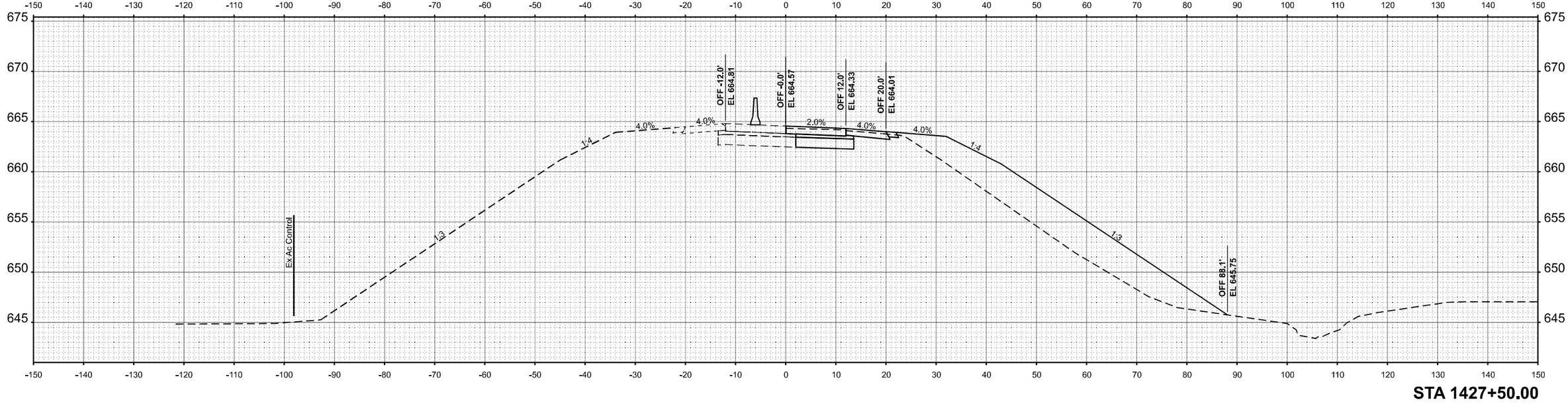
STAGE 1
CROSS SECTIONS

SCALE: 1"=10' | SHEET 10 OF 10 SHEETS | STA. 1439+25.00 | TO STA. 1439+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	101
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1428+00.00



STA 1427+50.00

OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = kevin.botterbush	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2
CROSS SECTIONS

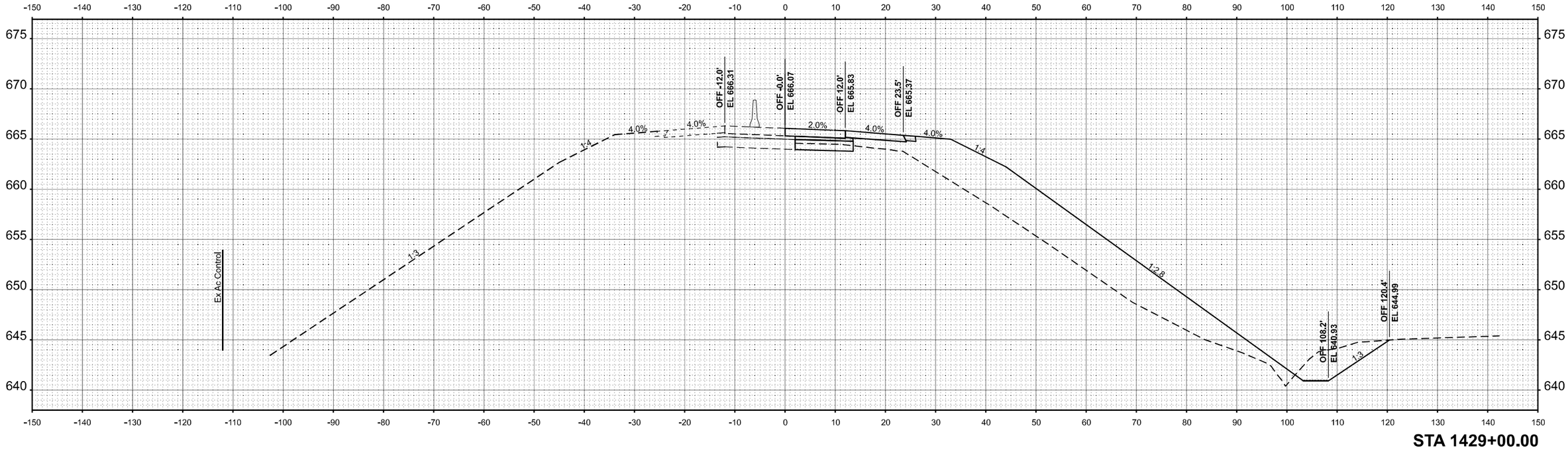
SCALE: 1"=10' | SHEET 1 OF 11 SHEETS | STA. 1427+50.00 | TO STA. 1428+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	102
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

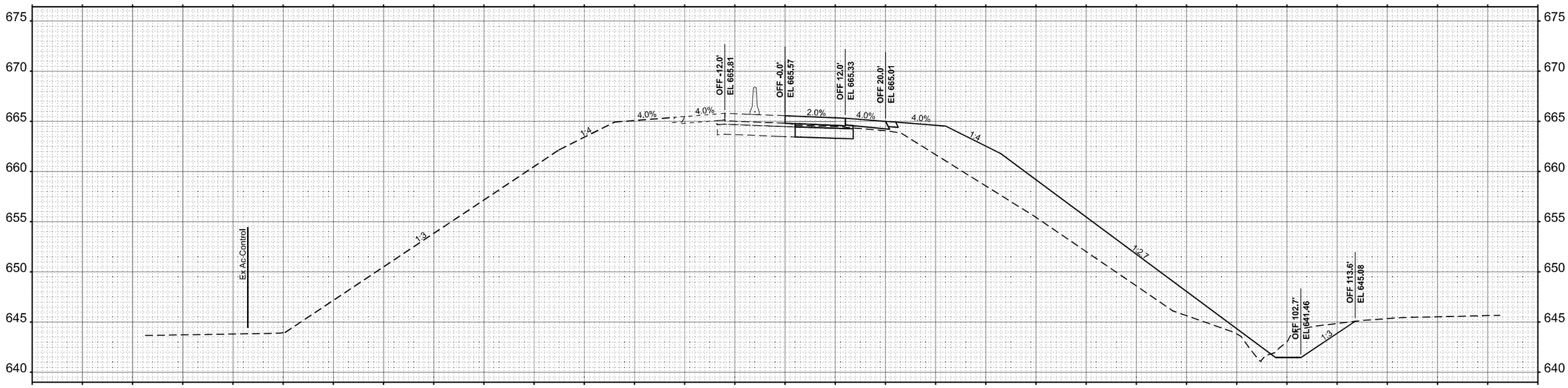
FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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

MODEL: Ex-IL40 - 1427+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-slht-v-sec stage 2.dgn



STA 1429+00.00



STA 1428+50.00

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

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

MODEL: Ex-IL-40 - 1428+50.00 [Sheet]
FILE NAME: H:\P222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

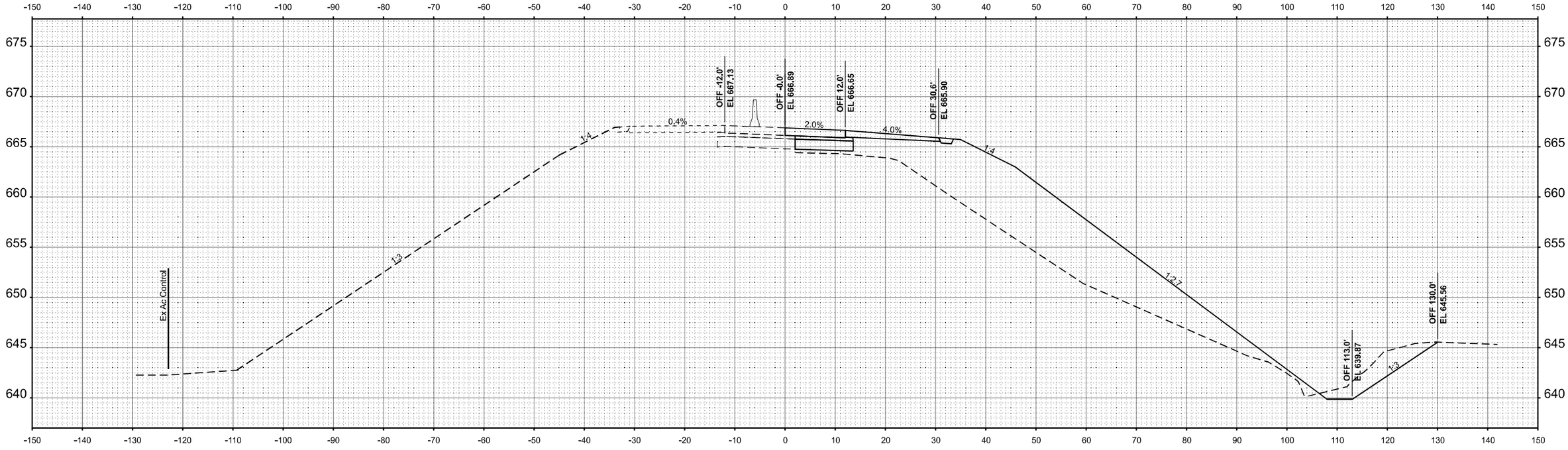
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

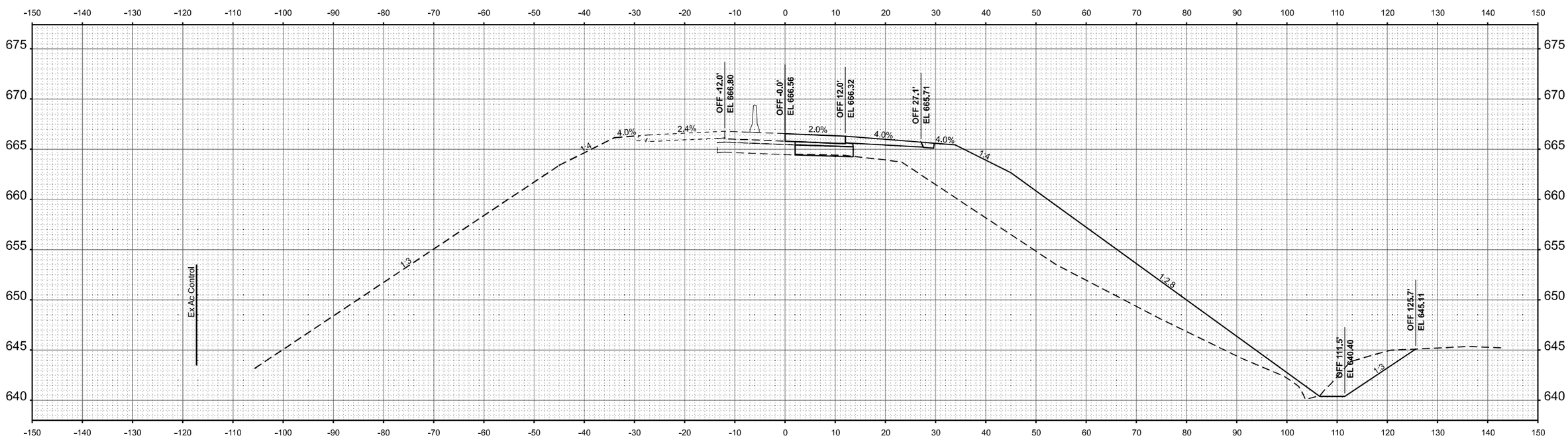
STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 2 OF 11 SHEETS | STA. 1428+50.00 TO STA. 1429+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	103
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1430+00.00



STA 1429+50.00

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

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

MODEL: Ex-IL-40 - 1429+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

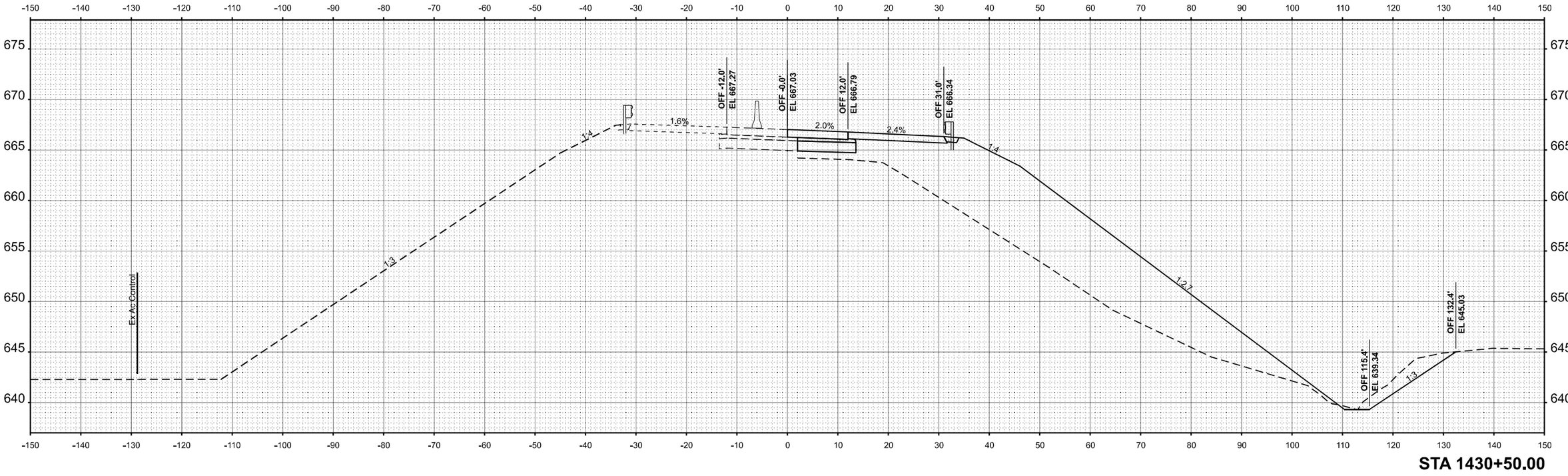
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 3 OF 11 SHEETS | STA. 1429+50.00 | TO STA. 1430+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	104
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

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



STA 1430+50.00

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

MODEL: Ex-IL40 - 1430+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

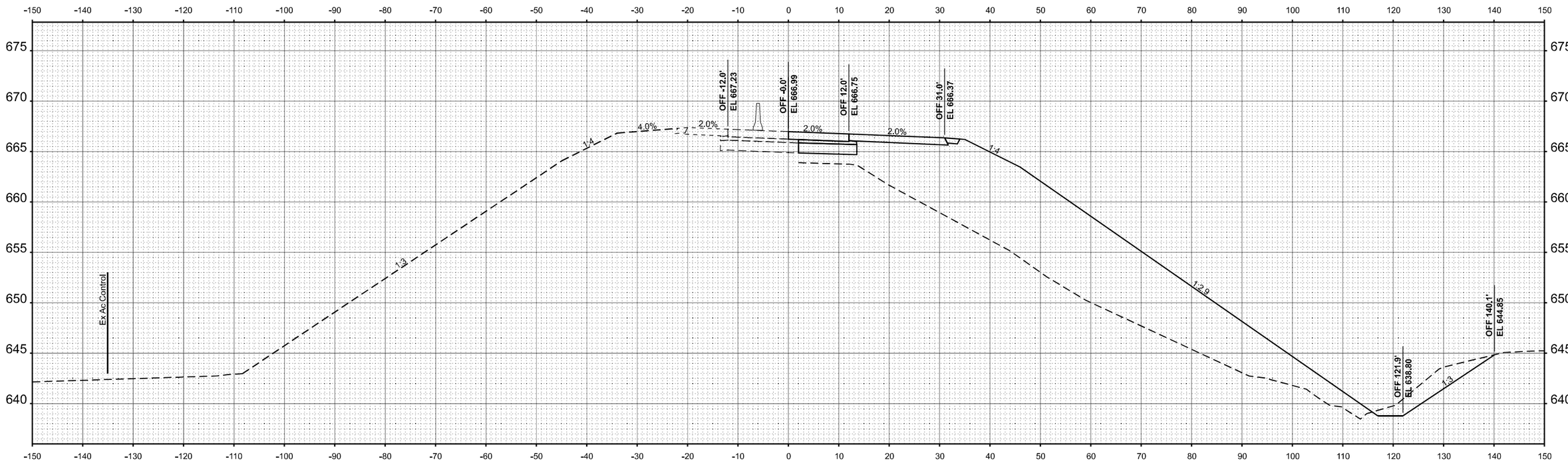
STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 4 OF 11 SHEETS | STA. 1430+50.00 | TO STA. 1430+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	105
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

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

BRIDGE OMISSION
STA 1430+87.85 TO STA 1434+29.86



STA 1431+00.00

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

MODEL: Ex-IL-40 - 1431+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

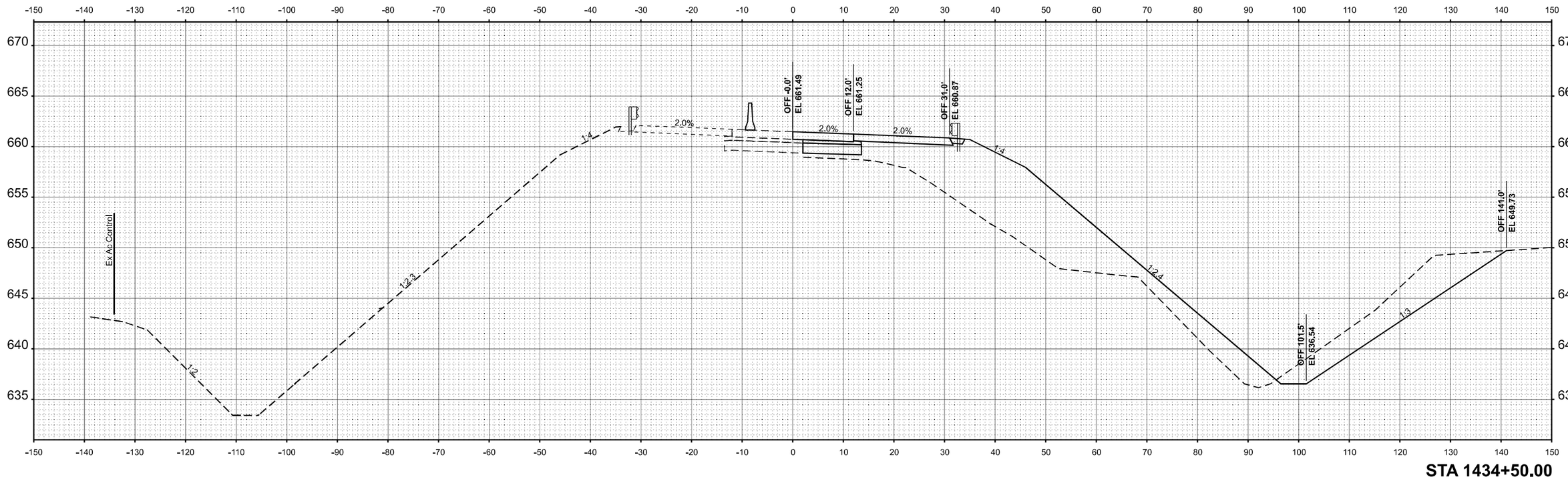
STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 5 OF 11 SHEETS | STA. 1431+00.00 | TO STA. 1431+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	106
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

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

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



STA 1434+50.00

MODEL: Ex-IL40 - 1434+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

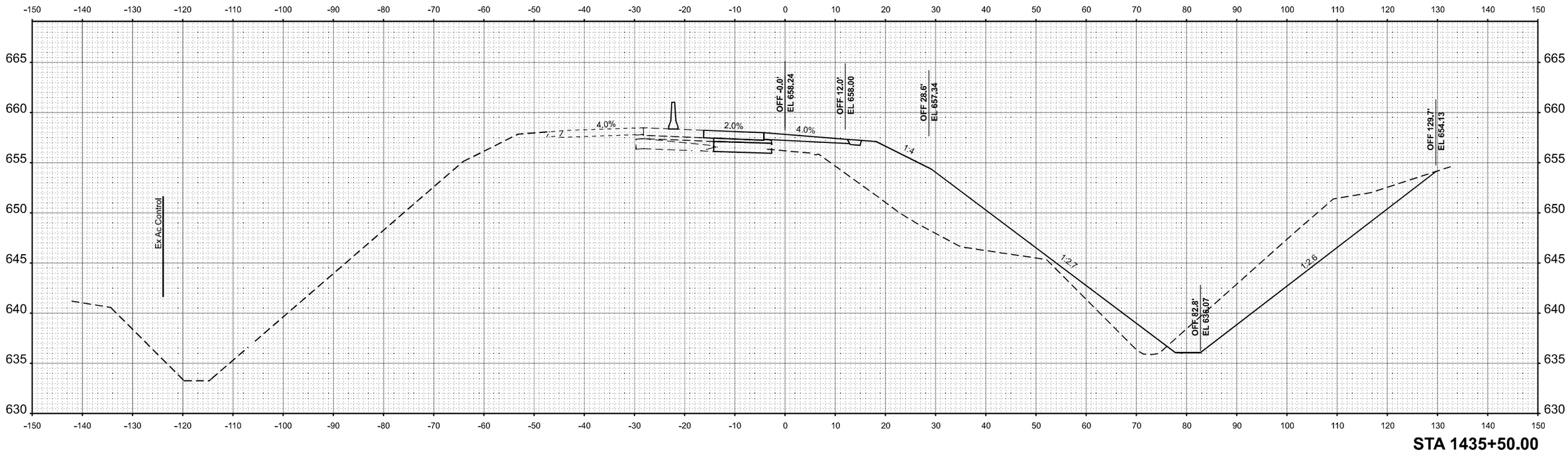
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

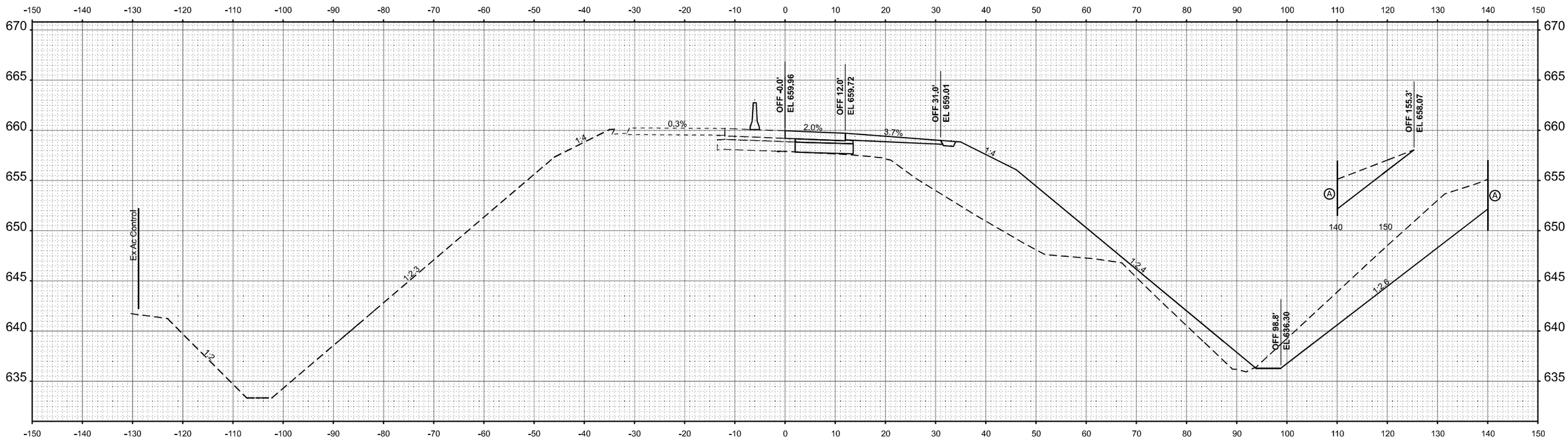
STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 6 OF 11 SHEETS | STA. 1434+50.00 | TO STA. 1434+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	107
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1435+50.00



STA 1435+00.00

FINAL SURVEY | ORIGINAL SURVEY

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

MODEL: Ex-IL-40 - 1435+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

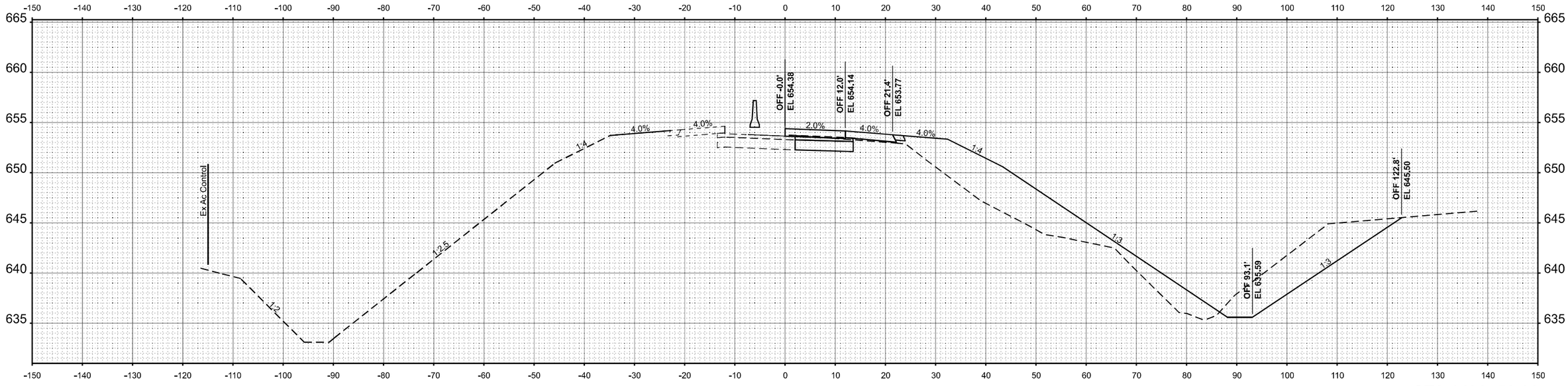
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

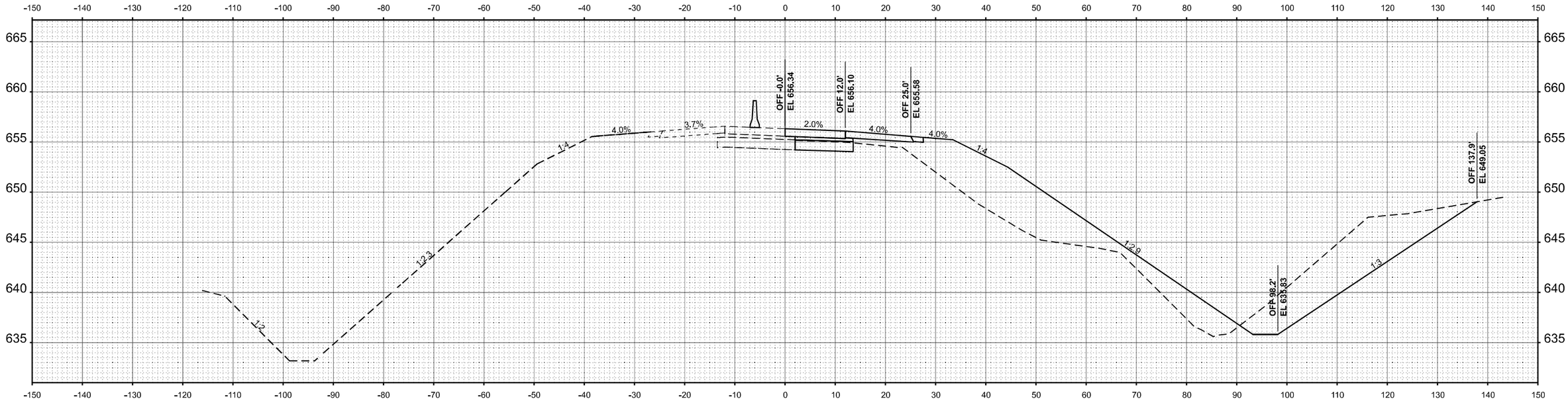
STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 7 OF 11 SHEETS | STA. 1435+00.00 | TO STA. 1435+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	108
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1436+50.00



STA 1436+00.00

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

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

BY	DATE

MODEL: Ex-IL40 - 1436+00.00 [Sheet]
FILE NAME: H:\P222138 - D3 V-V\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

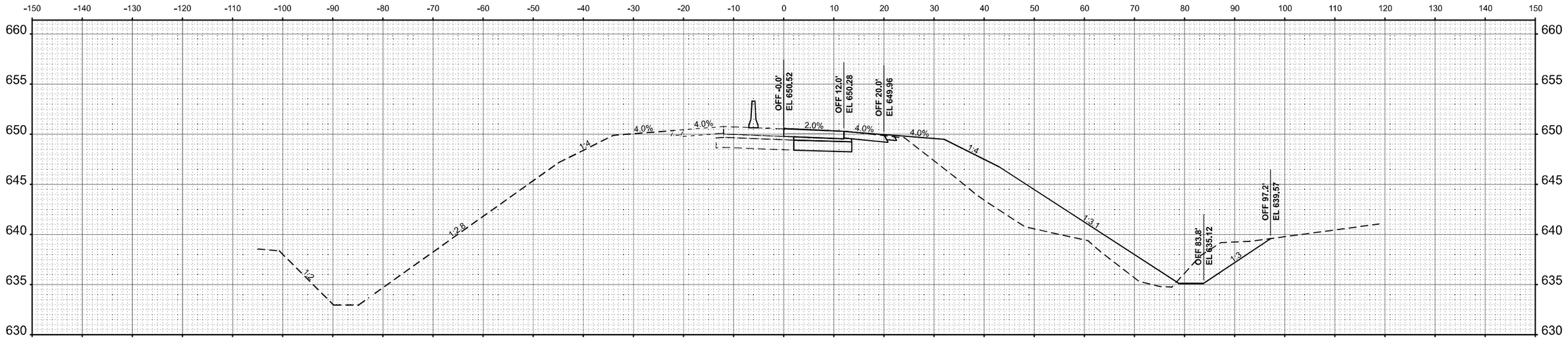
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

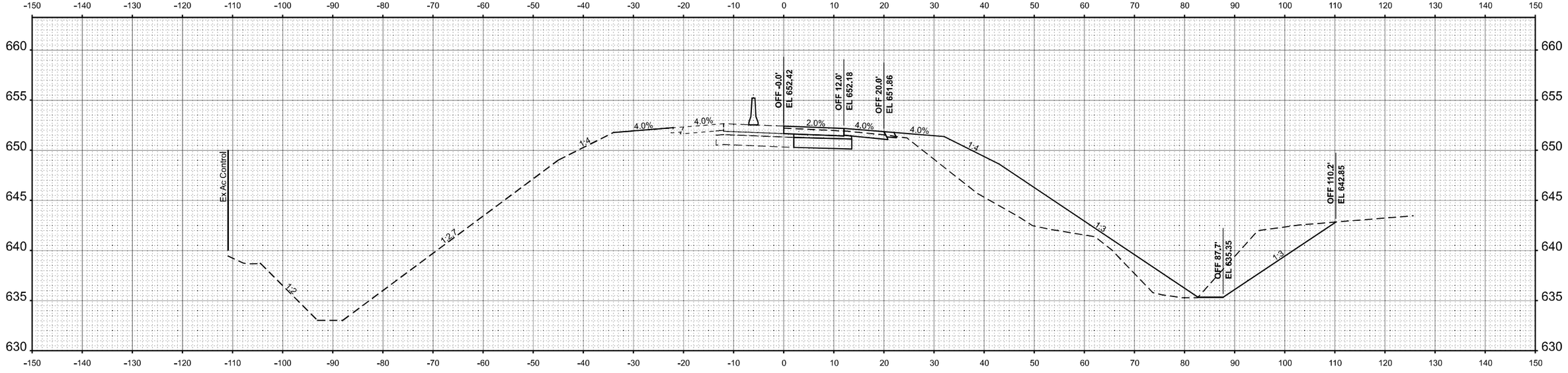
STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 8 OF 11 SHEETS | STA. 1436+00.00 | TO STA. 1436+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	109
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1437+50.00



STA 1437+00.00

FINAL SURVEY	NOTE BOOK	NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY

DATE

ORIGINAL SURVEY	NOTE BOOK	NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY

DATE

MODEL: Ex-IL40 - 1437+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VV\W0 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D368K71-sht-xsec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

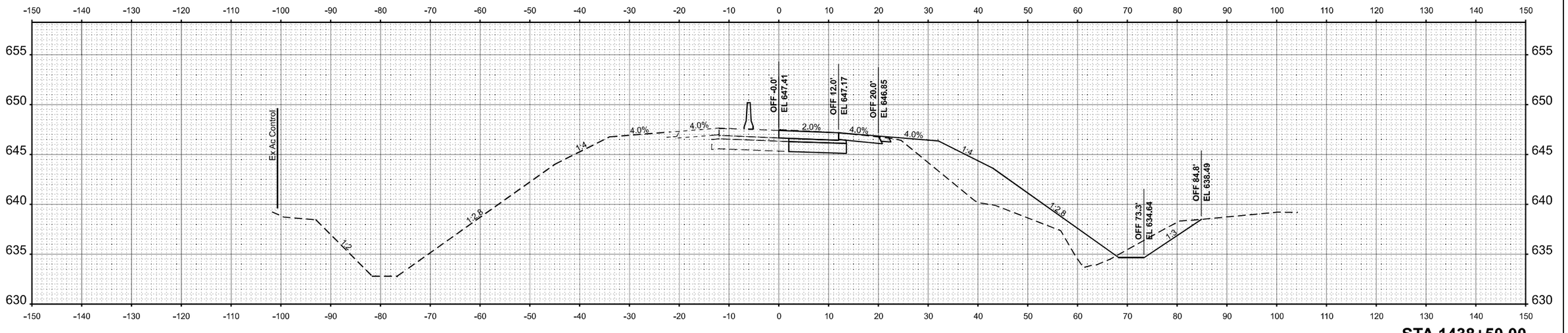
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

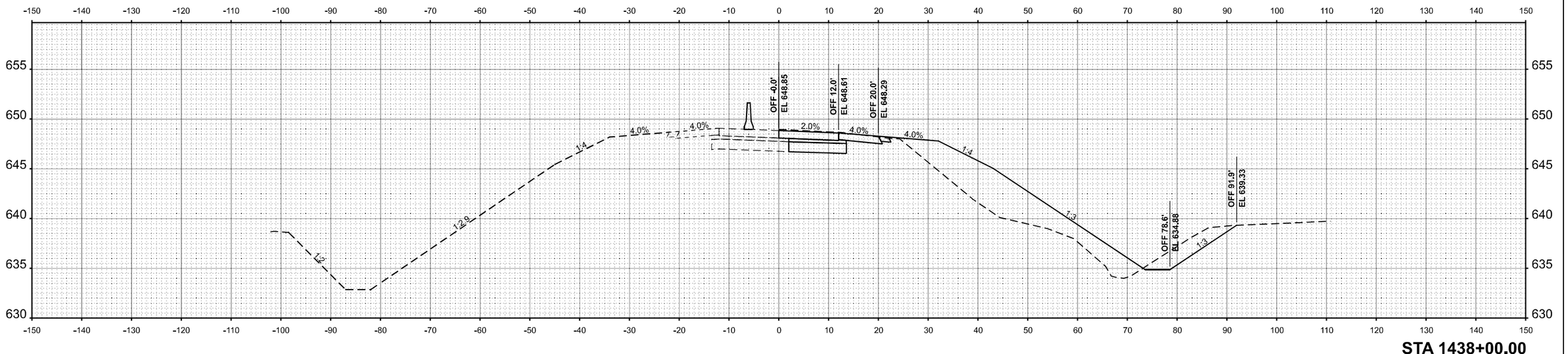
STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 9 OF 11 SHEETS | STA. 1437+00.00 | TO STA. 1437+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	110
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1438+50.00



STA 1438+00.00

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

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

MODEL: Ex-IL40 - 1438+00.00 [Sheet]
FILE NAME: H:\P222138 - D3 V-V\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

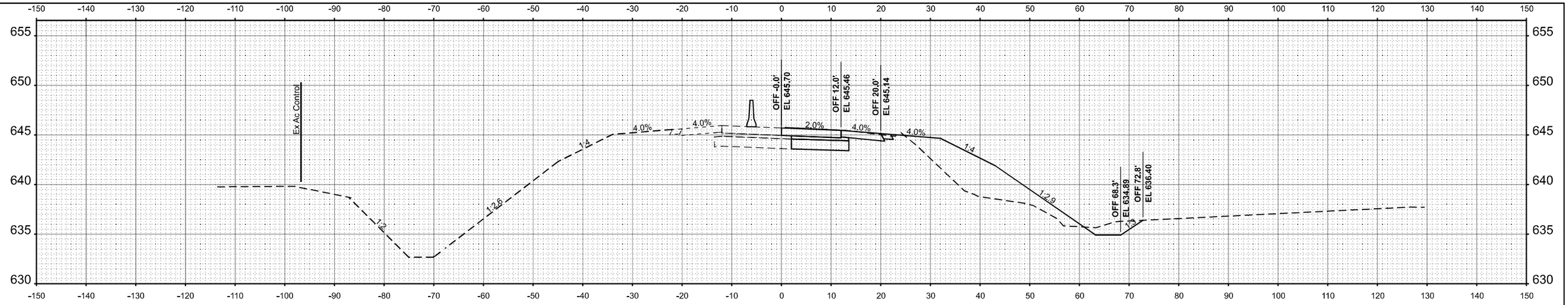
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

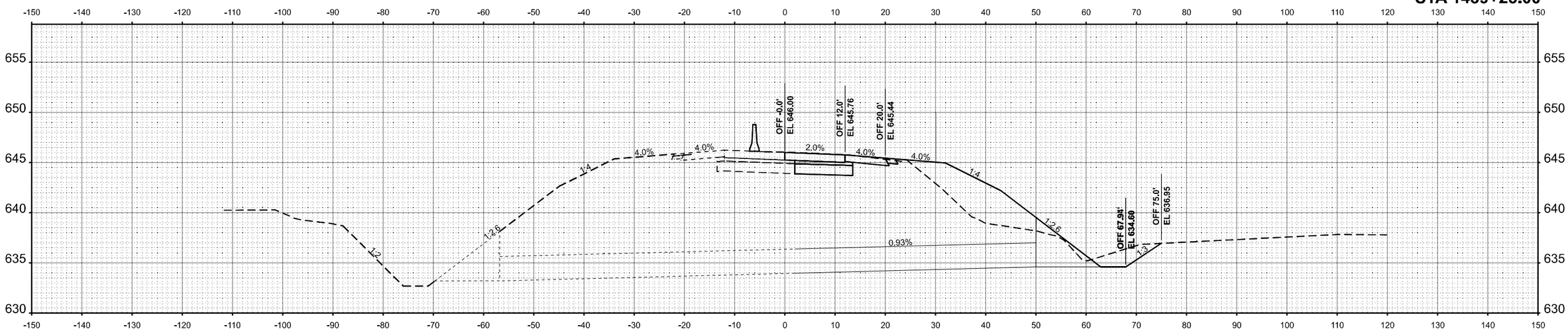
STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 10 OF 11 SHEETS | STA. 1438+00.00 | TO STA. 1438+50.00

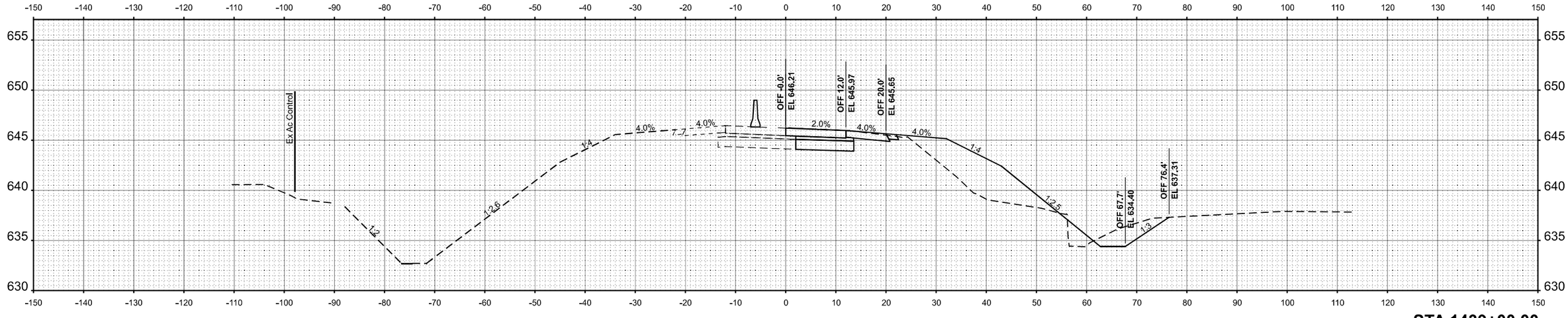
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	111
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1439+25.00



STA 1439+10.00



STA 1439+00.00

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

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

MODEL: Ex-IL40 - 1439+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec stage 2.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

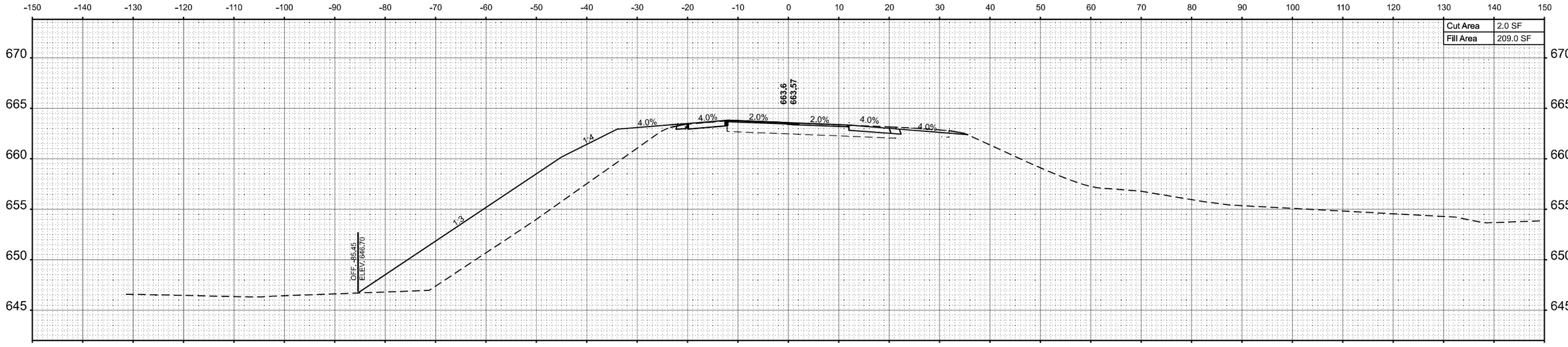
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

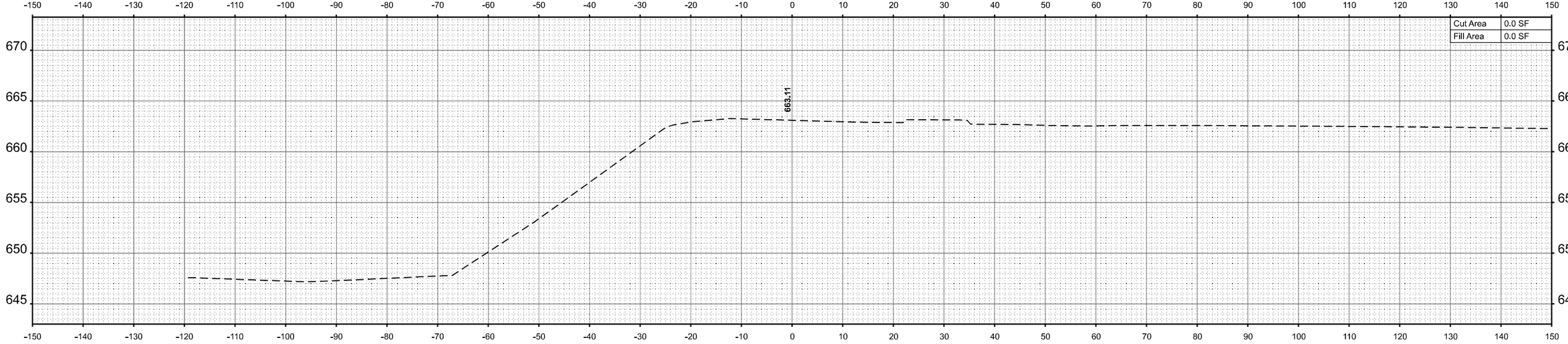
STAGE 2
CROSS SECTIONS

SCALE: 1"=10' | SHEET 11 OF 11 SHEETS | STA. 1439+00.00 | TO STA. 1439+25.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	112
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1426+50.00



STA 1426+00.00

FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

MODEL: Ex-IL40 - 1426+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-shtx-xsec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

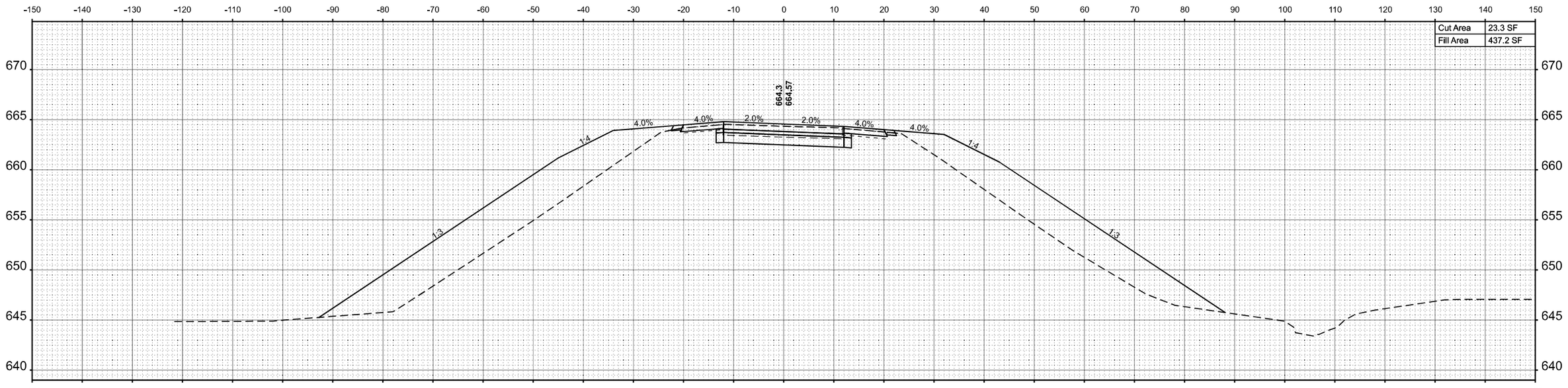
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

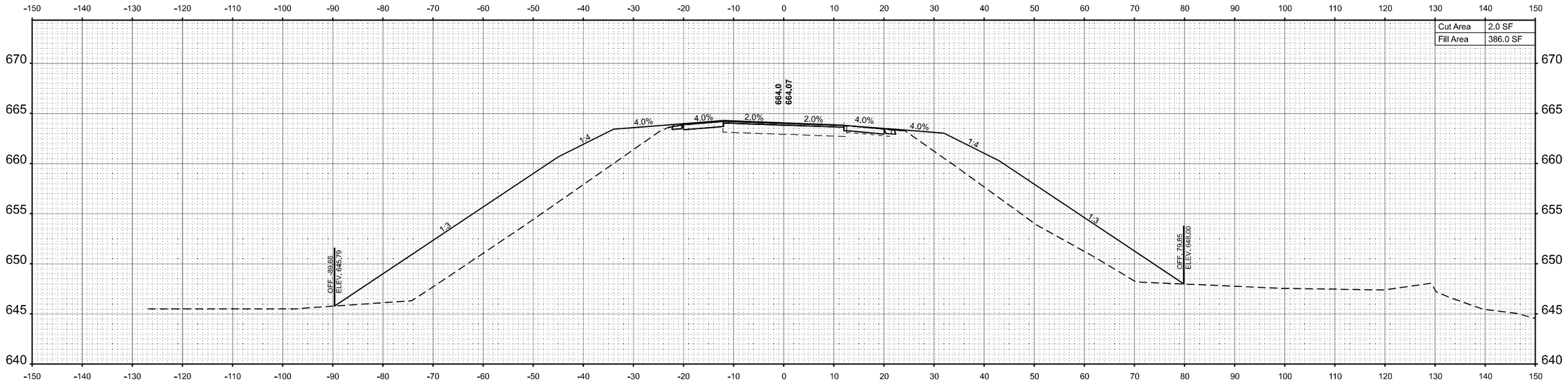
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 1 OF 17 SHEETS | STA. 1426+00.00 | TO STA. 1426+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	113
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1427+50.00



STA 1427+00.00

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

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

MODEL: Ex-IL40 - 1427+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-slH-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

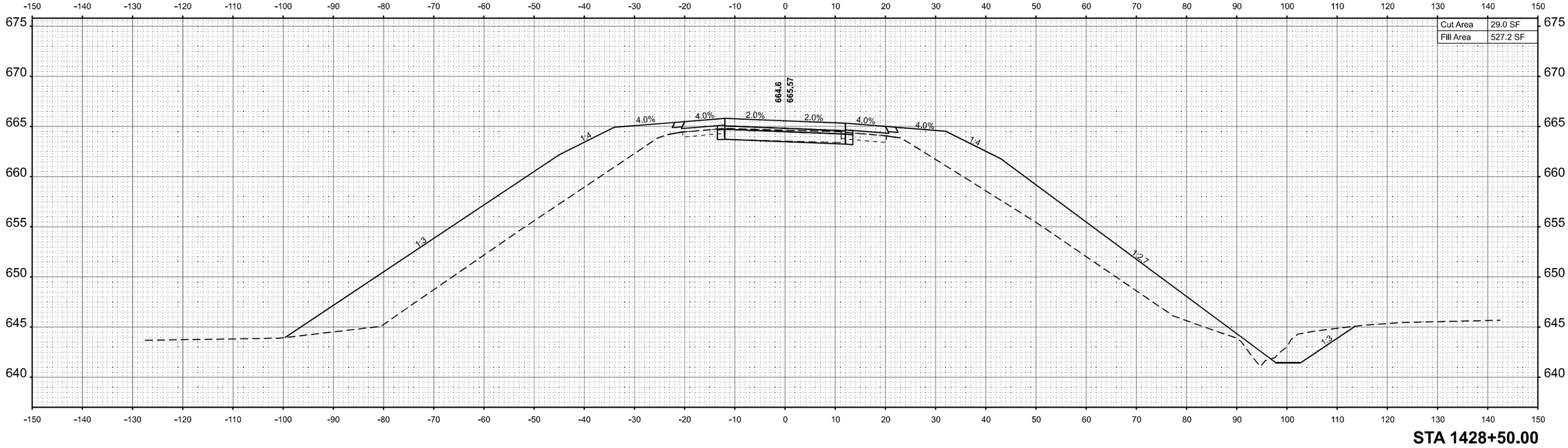
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

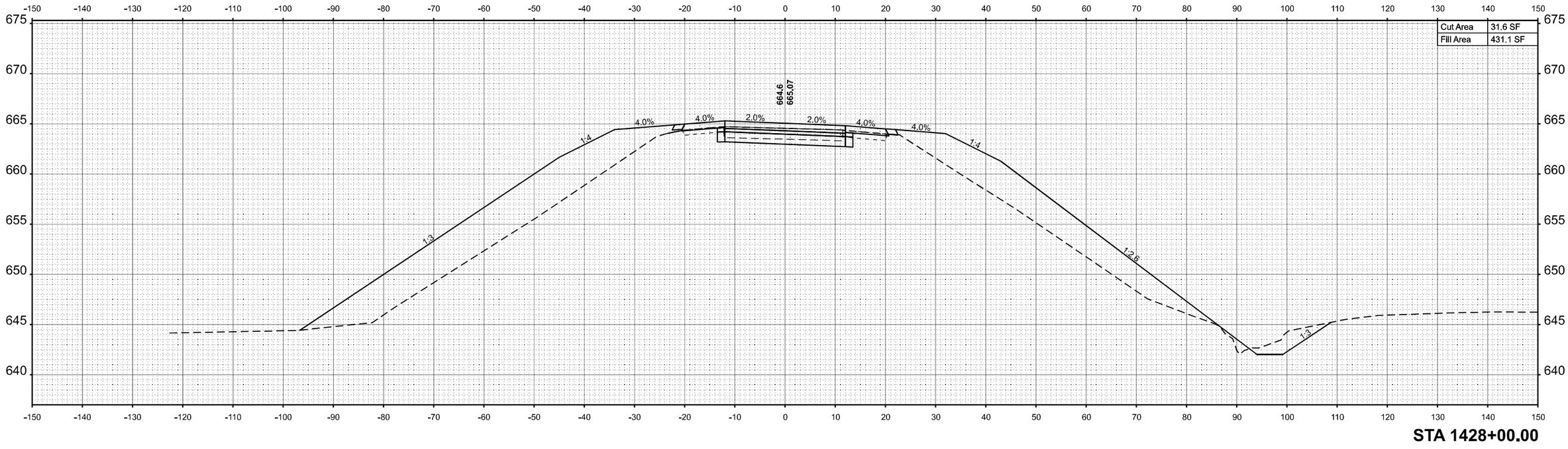
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 2 OF 17 SHEETS | STA. 1427+00.00 | TO STA. 1427+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	114
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



STA 1428+50.00



STA 1428+00.00

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

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

MODEL: Ex-IL 40 - 1428+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/11/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

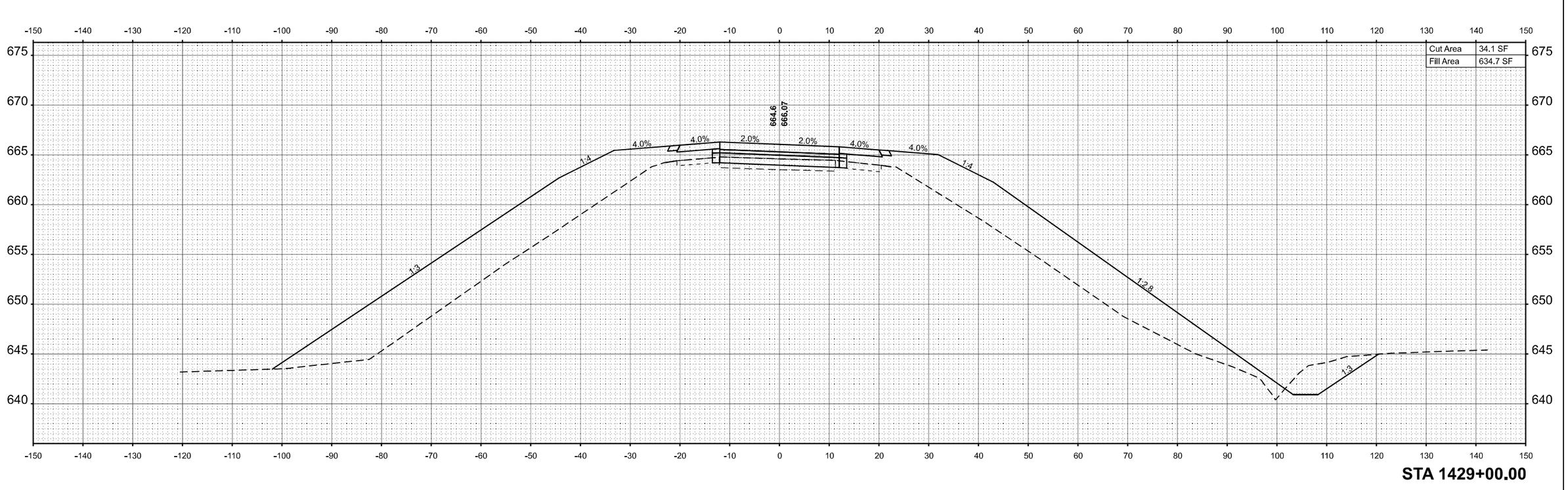
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 3 OF 17 SHEETS | STA. 1428+00.00 | TO STA. 1428+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	115
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

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

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



STA 1429+00.00

MODEL: Ex-IL40 - 1429+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

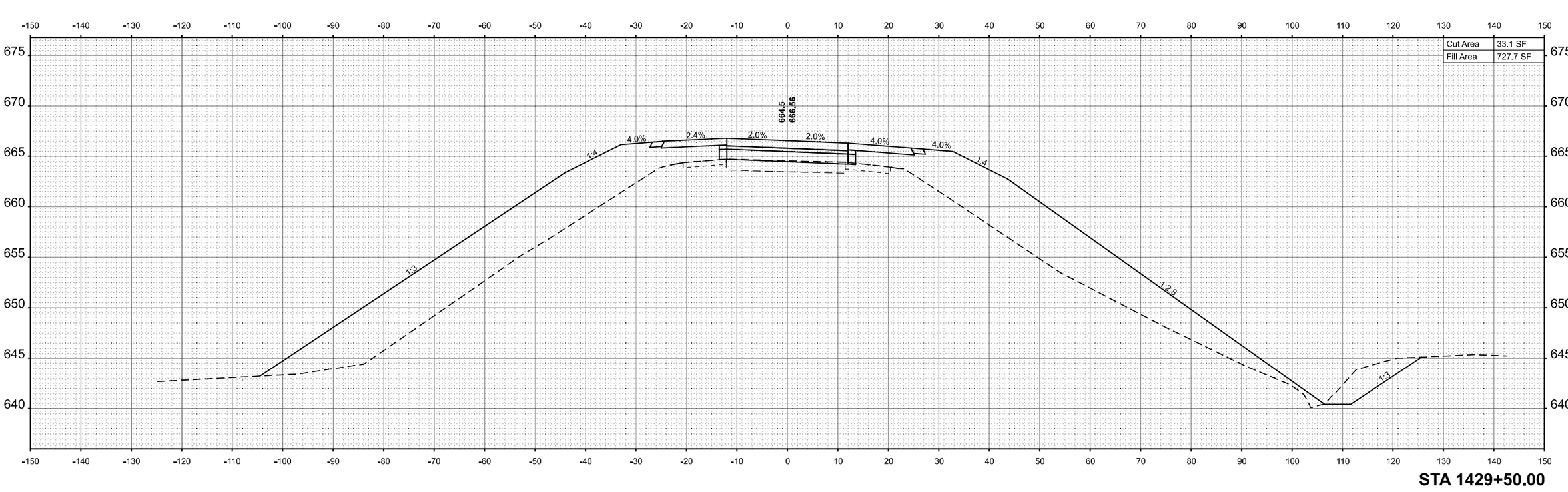
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 4 OF 17 SHEETS | STA. 1429+00.00 | TO STA. 1429+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	116
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

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



STA 1429+50.00

MODEL: Ex-IL40 - 1429+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

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

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

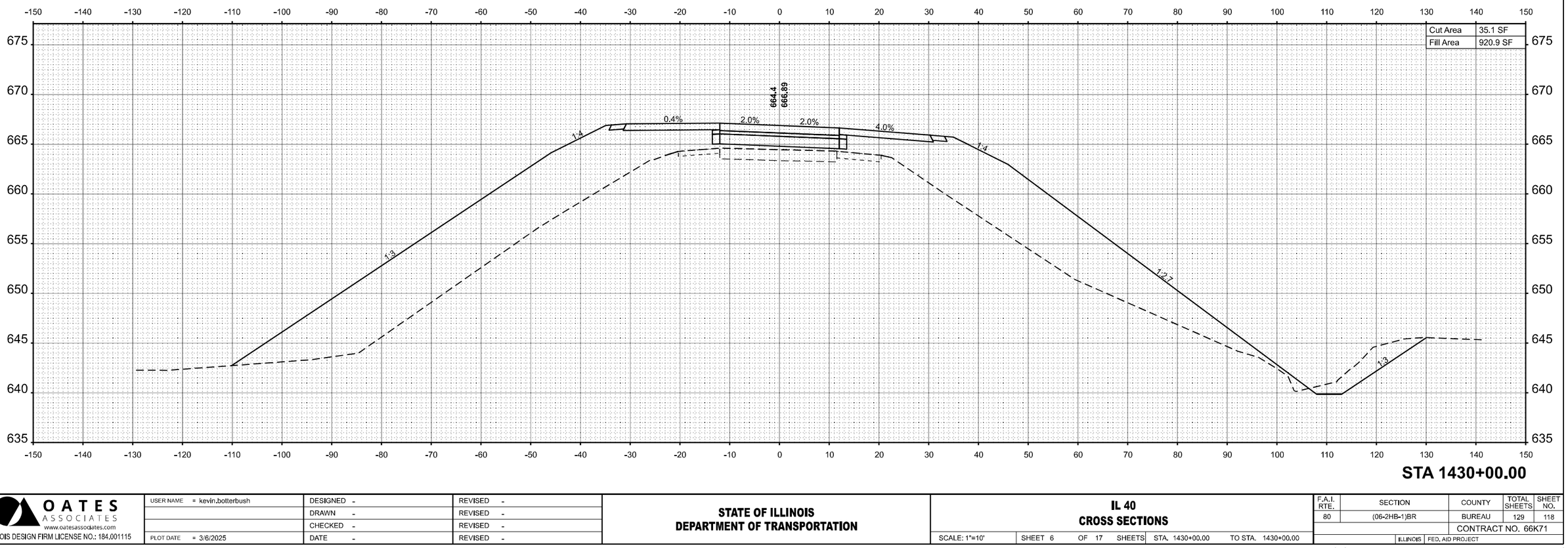
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 5 OF 17 SHEETS | STA. 1429+50.00 | TO STA. 1429+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	117
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

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



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

MODEL: Ex-IL40 - 1430+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

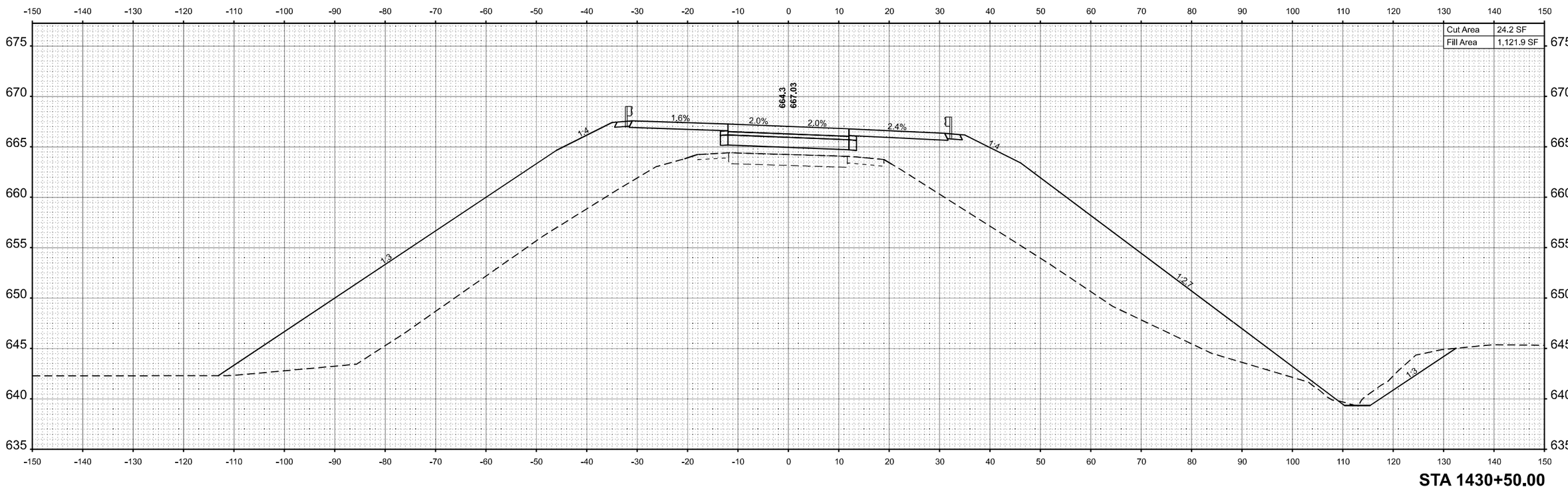
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 6 OF 17 SHEETS | STA. 1430+00.00 | TO STA. 1430+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	118
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

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

BRIDGE OMISSION
STA 1430+87.85 TO STA 1434+29.86



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

MODEL: Ex-IL40 - 1430+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VAV\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-slht-vses IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/6/2025	DATE -	REVISED -	

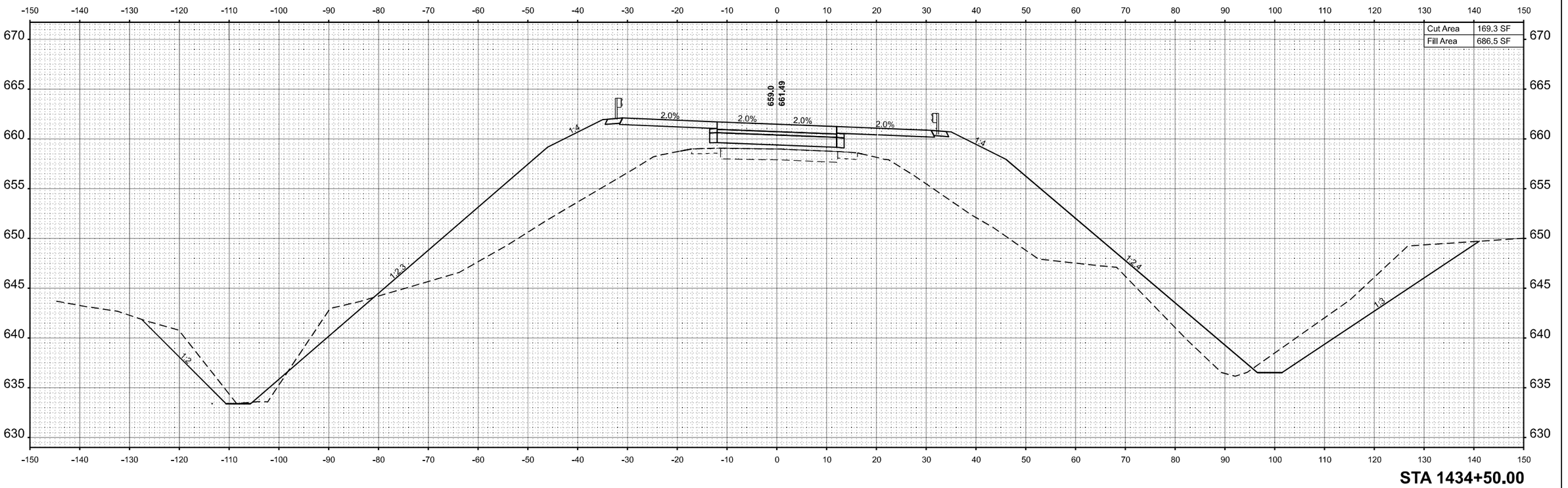
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 7 OF 17 SHEETS | STA. 1430+50.00 | TO STA. 1430+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	119
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NO'TE BOOK	SURVEYED		
NO.____	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STA 1434+50.00

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

MODEL: Ex-IL40 - 1434+50.00 [Sheet]
FILE NAME: H:\P222138 - D3 V-A\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

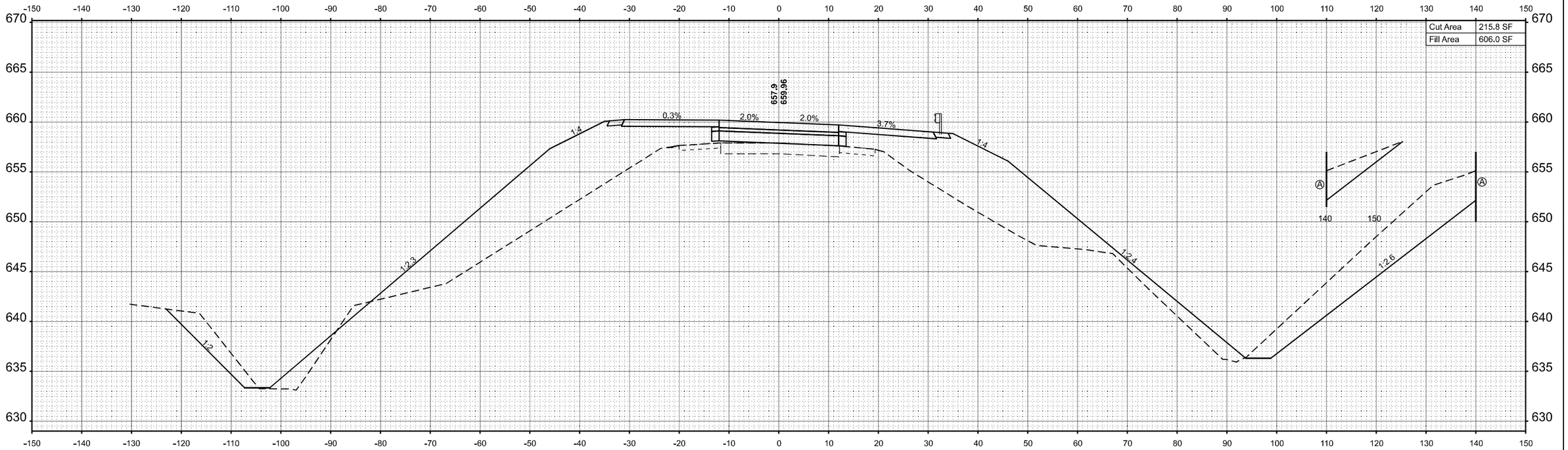
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 8 OF 17 SHEETS | STA. 1434+50.00 | TO STA. 1434+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	120
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

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



STA 1435+00.00

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

MODEL: ExIL40 - 1435+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-V\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

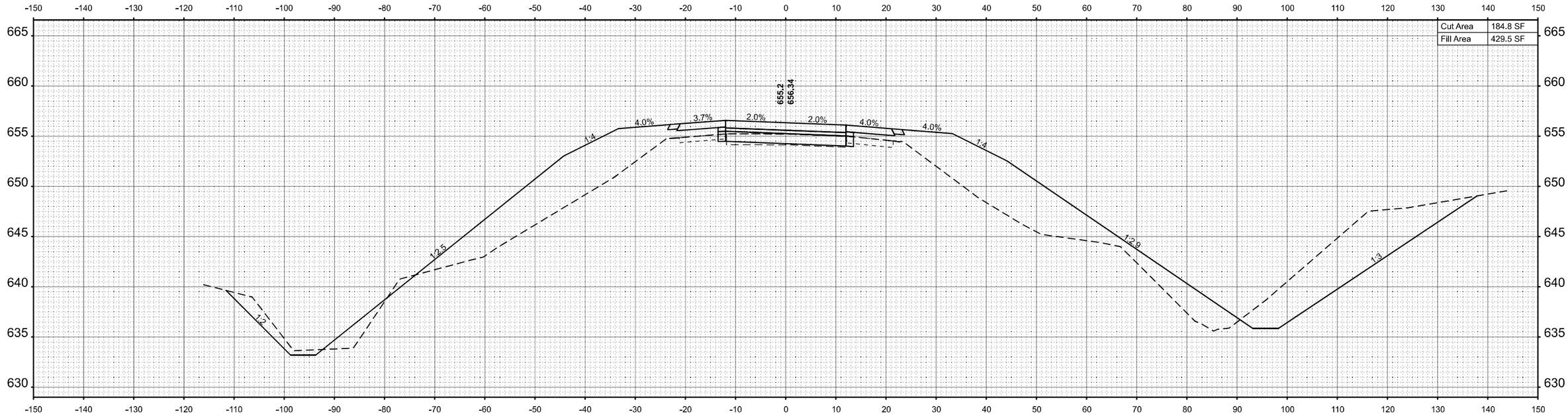
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

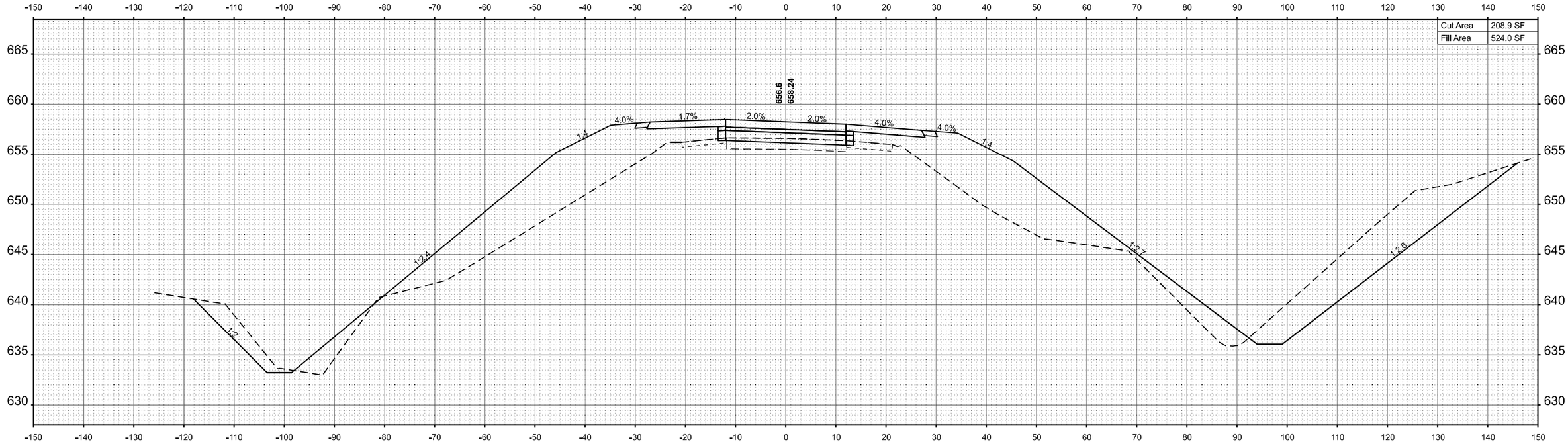
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 9 OF 17 SHEETS | STA. 1435+00.00 | TO STA. 1435+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	121
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1436+00.00



STA 1435+50.00

FINAL SURVEY | ORIGINAL SURVEY

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

MODEL: Ex-IL 40 - 1435+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D368K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

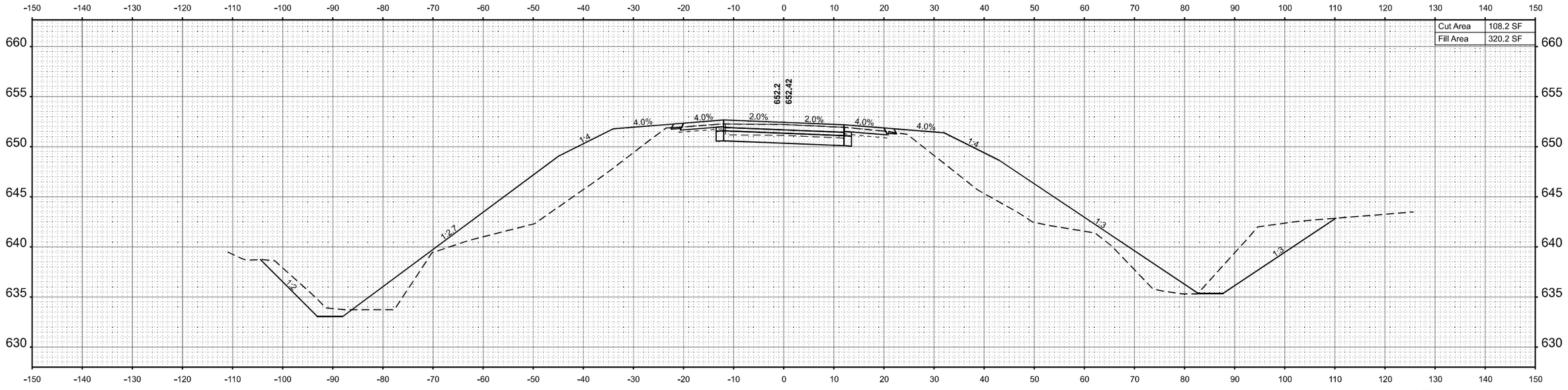
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

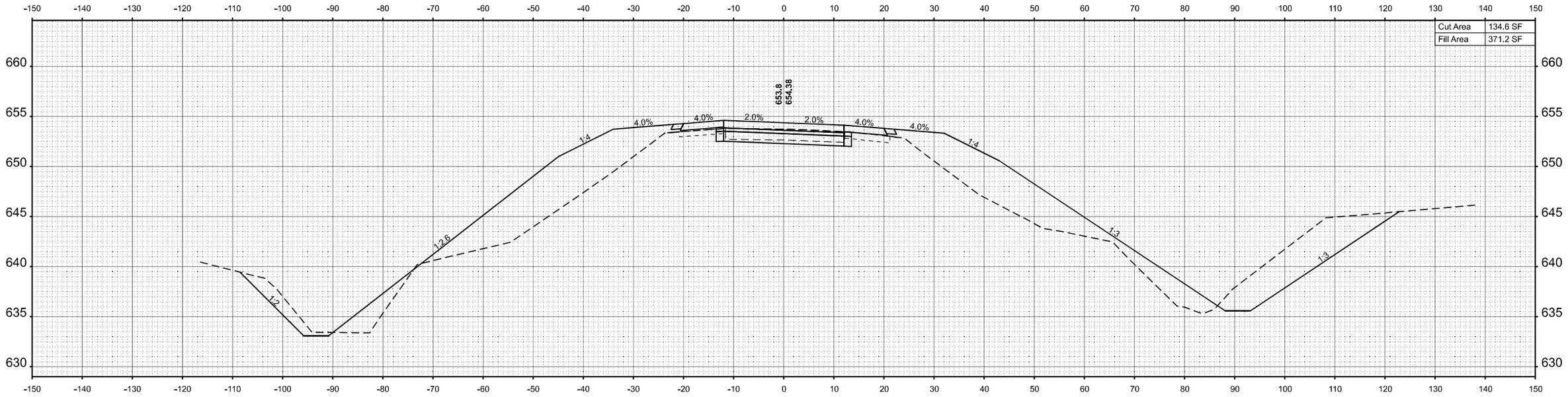
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 10 OF 17 SHEETS | STA. 1435+50.00 | TO STA. 1436+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	122
		CONTRACT NO. 66K71		
	ILLINOIS FED. AID PROJECT			



STA 1437+00.00



STA 1436+50.00

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

BY | DATE

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

BY | DATE

MODEL: Ex-IL40 - 1436+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

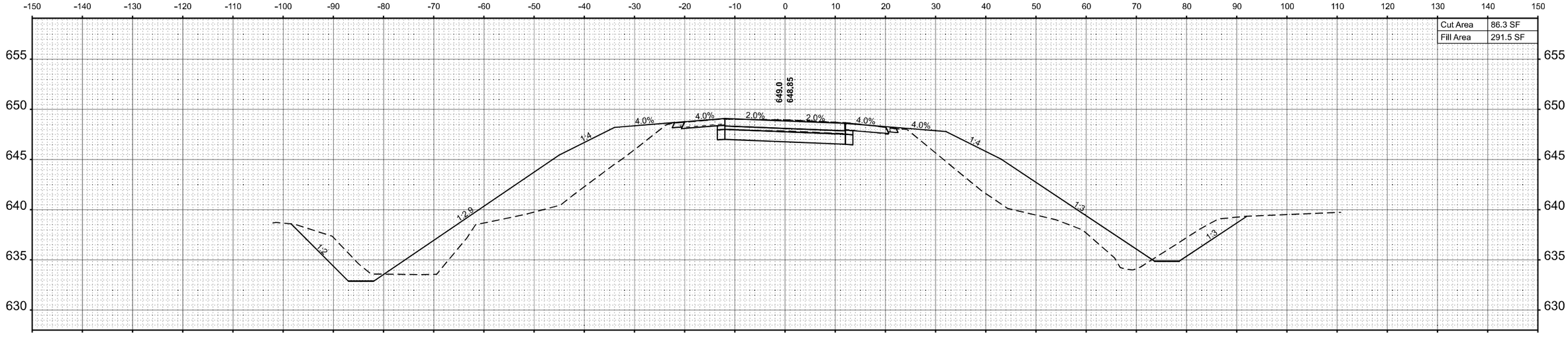
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

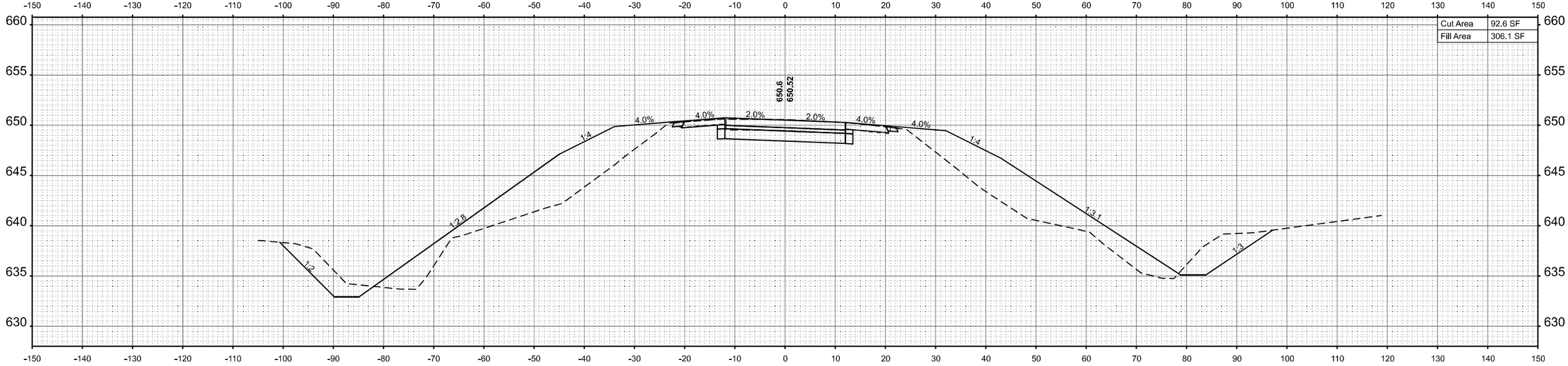
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 11 OF 17 SHEETS | STA. 1436+50.00 | TO STA. 1437+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	123
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1438+00.00



STA 1437+50.00

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

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

MODEL: Ex-IL40 - 1437+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-V\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

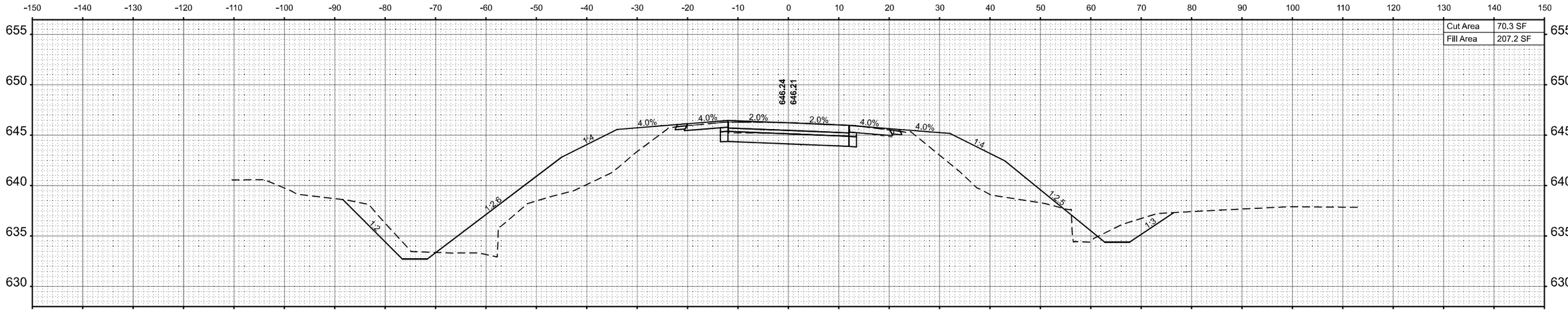
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

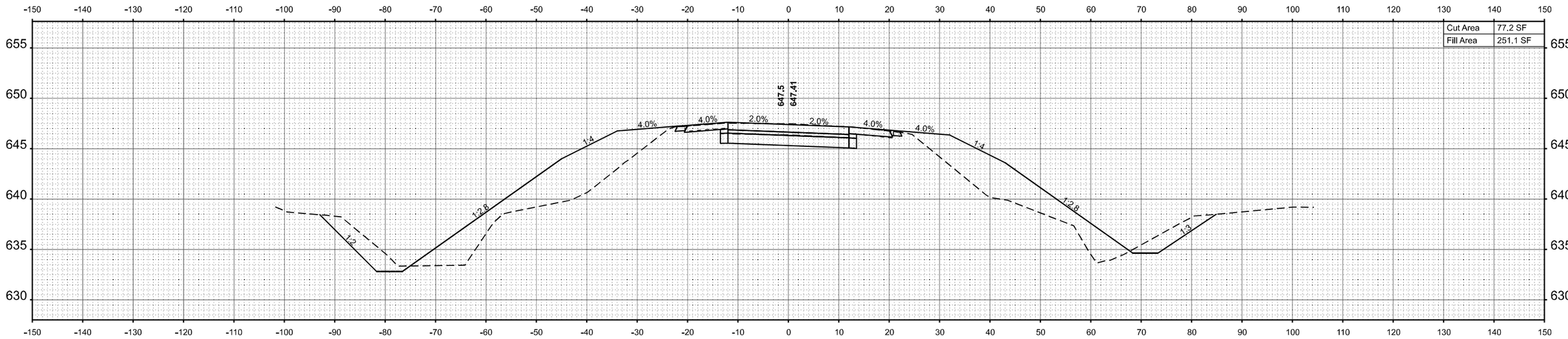
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 12 OF 17 SHEETS | STA. 1437+50.00 | TO STA. 1438+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	124
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1439+00.00



STA 1438+50.00

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

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

MODEL: Ex-IL40 - 1438+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-V\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

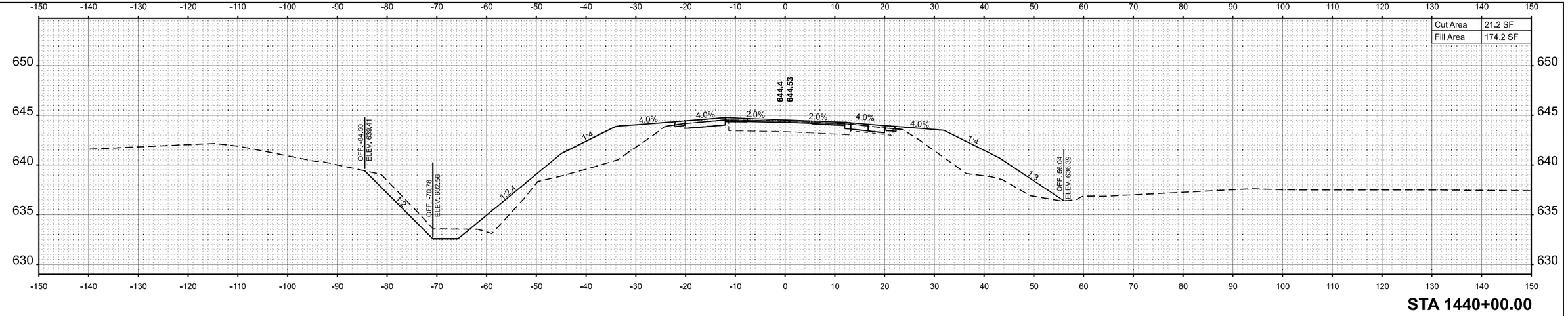
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

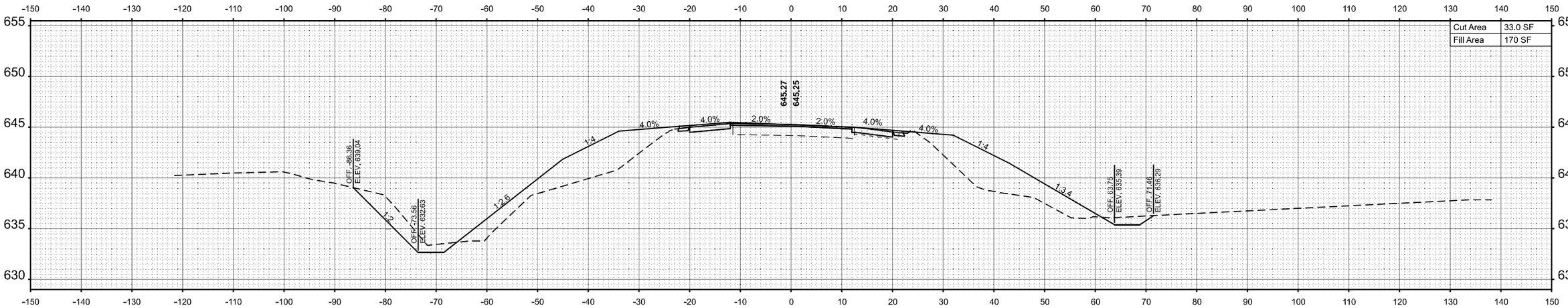
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 13 OF 17 SHEETS | STA. 1438+50.00 | TO STA. 1439+00.00

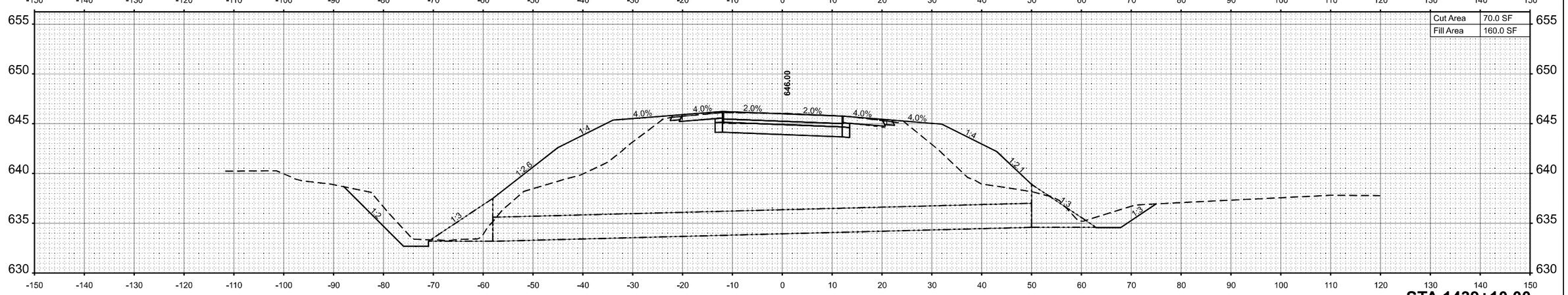
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	125
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1440+00.00



STA 1439+50.00



STA 1439+10.00

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

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

MODEL: Ex-IL40 - 1439+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-V\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D368K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

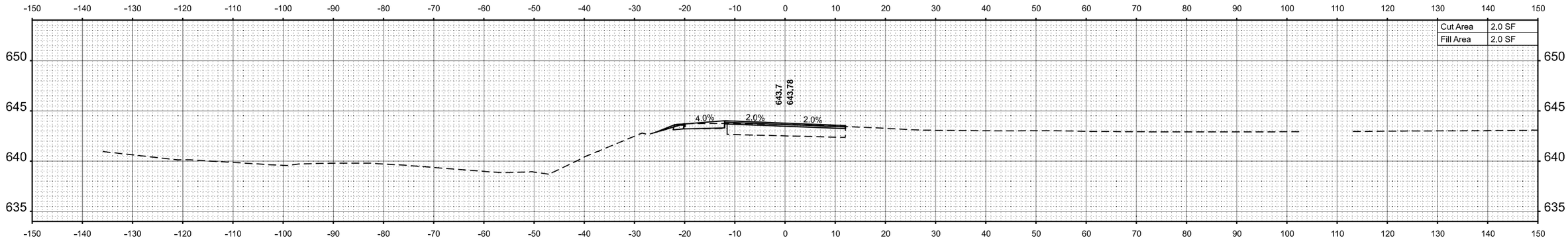
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

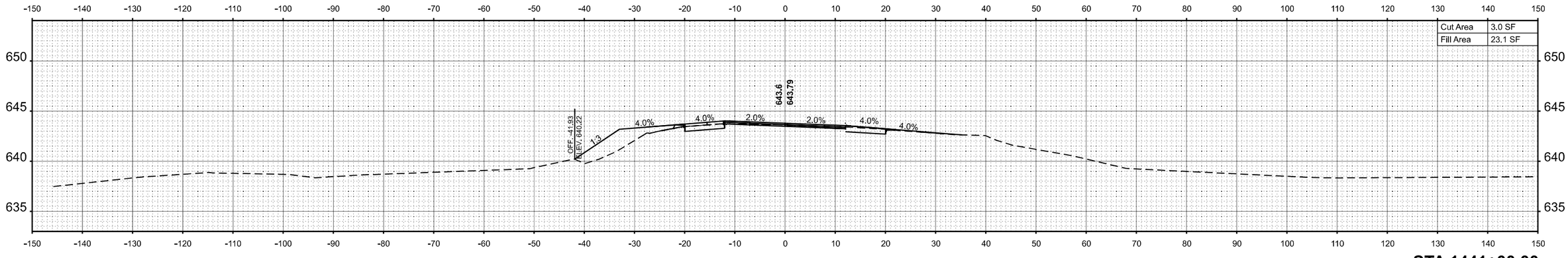
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 14 OF 17 SHEETS | STA. 1439+50.00 | TO STA. 1440+00.00

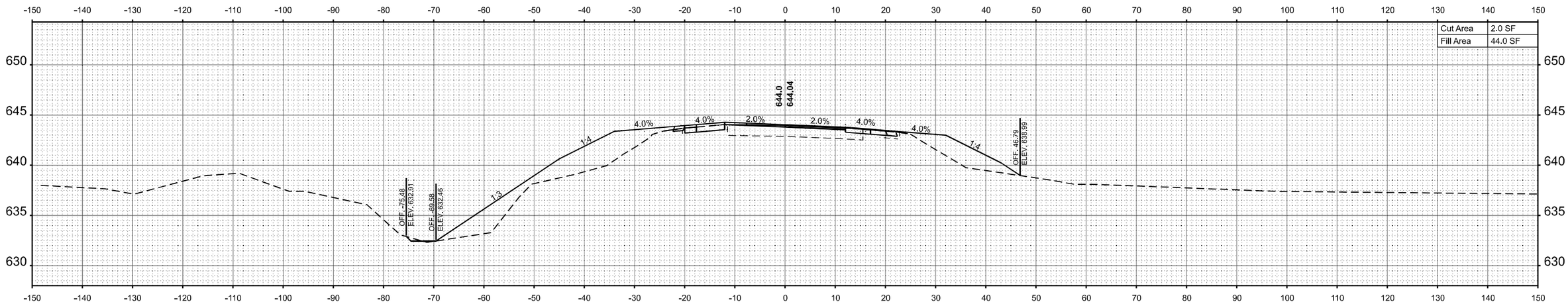
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	126
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1441+50.00



STA 1441+00.00



STA 1440+50.00

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

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

MODEL: Ex-IL40 - 1440+50.00 [Sheet]
FILE NAME: H:\P222138 - D3 VA\IWO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

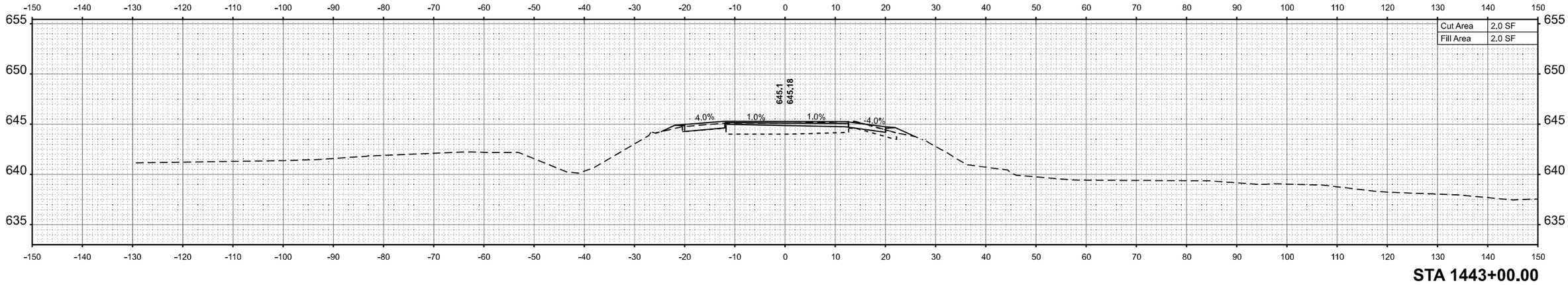
USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

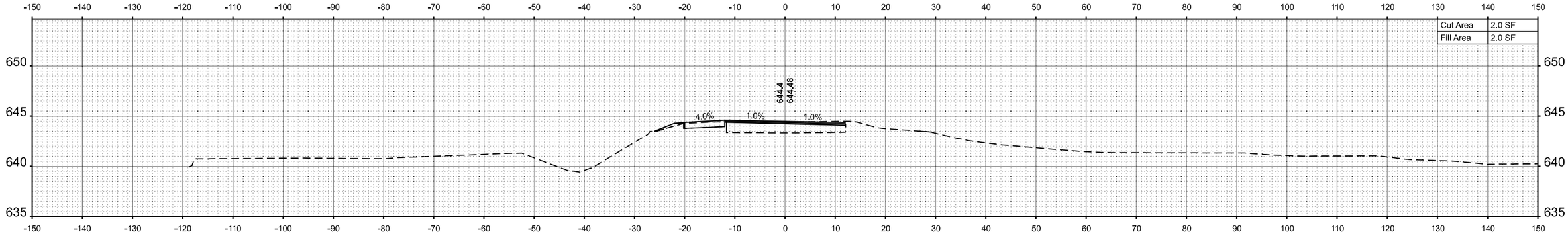
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 15 OF 17 SHEETS | STA. 1440+50.00 | TO STA. 1441+50.00

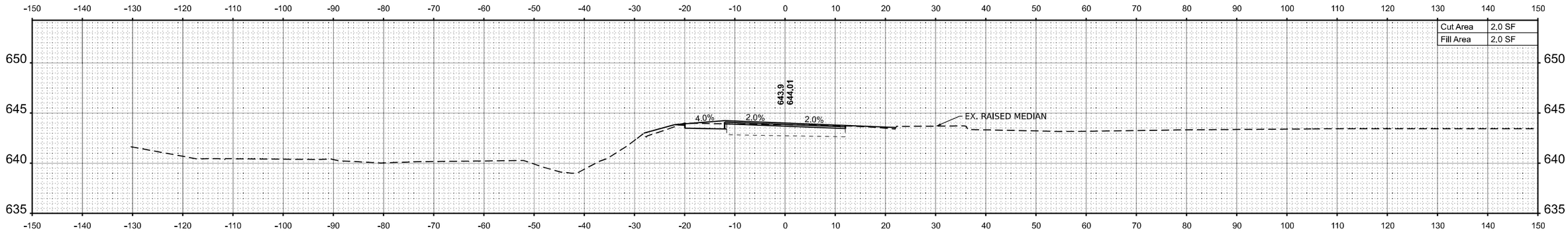
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	127
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		



STA 1443+00.00



STA 1442+50.00



STA 1442+00.00

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

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

MODEL: Ex-IL40 - 1442+00.00 [Sheet]
FILE NAME: H:\P\222138 - D3 VA\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K71-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

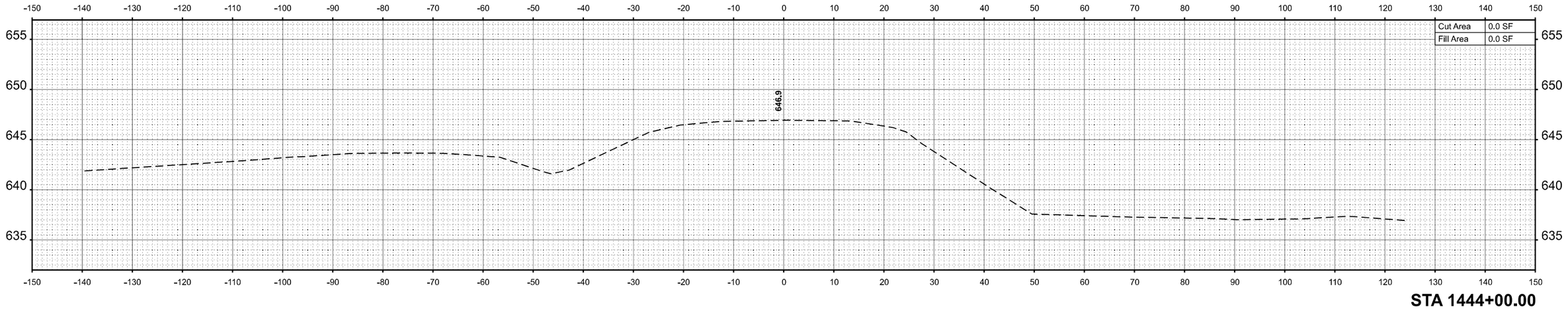
IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 16 OF 17 SHEETS | STA. 1442+00.00 | TO STA. 1443+00.00

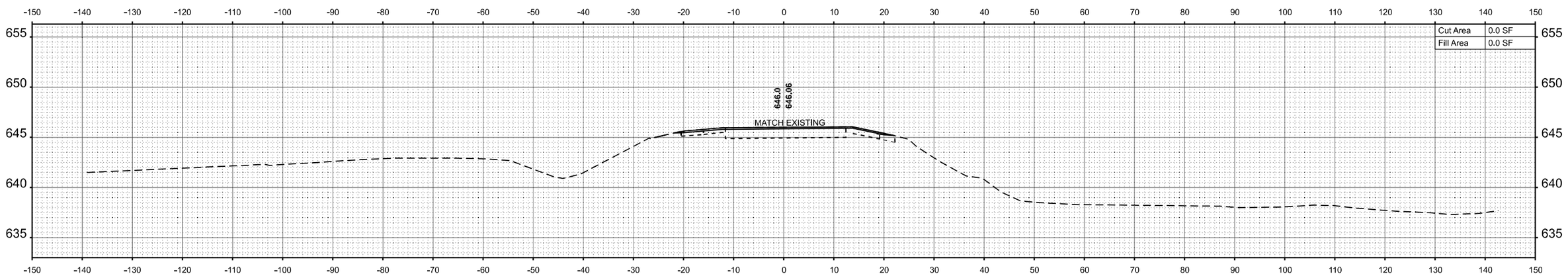
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	128
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



STA 1444+00.00



STA 1443+50.00

ORIGINAL SURVEY	NOTE BOOK	NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

MODEL: Ex-IL40 - 1443+50.00 [Sheet]
FILE NAME: H:\P\222138 - D3 V-A\WO 7 - IL 40 over I-80 PSE\CADD\Microstation\CADD Drawings\D366K7 1-sht-x-sec IL 40.dgn

OATES ASSOCIATES
www.oatesassociates.com
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 40
CROSS SECTIONS

SCALE: 1"=10' | SHEET 17 OF 17 SHEETS | STA. 1443+50.00 | TO STA. 1444+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2HB-1)BR	BUREAU	129	129
		CONTRACT NO. 66K71		
	ILLINOIS	FED. AID PROJECT		