

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	1
		ILLINOIS	CONTRACT NO. 64T05	

D-92-048-25

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION

IL 64

MINOR ARTERIAL

TRAFFIC DATA

IL 64

AADT - 625 (2021)

POSTED SPEED LIMIT = 55 MPH

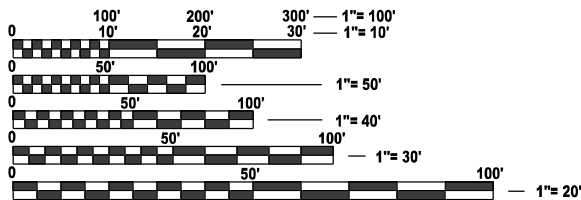
DESIGN SPEED = 55 MPH

BROOKVILLE TOWNSHIP

PROPOSED
HIGHWAY PLANS

FAP ROUTE 17 (IL 64)
SECTION (101BR-2)BDR
PROJECT BR-GV7V(804)
BRIDGE REHABILITATION
OGLE COUNTY

C-92-029-24



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 MANAGER: DERRICK LOPEZ (815-284-5398)
E-MAIL: DERRICK.LOPEZ@ILLINOIS.GOV

CONTRACT NO. 64T05

BEGIN IMPROVEMENT
IL 64
STA. 14+48.00



LOCATION MAP
SCALE = N.T.S.

GROSS LENGTH = 782 FT. = 0.15 MILE
NET LENGTH = 782 FT. = 0.15 MILE



BY: *Stephanie Carson* DATE: 06/20/2025
HDR ENGINEERING, INC.
DWGS. 1-16
LICENSE EXPIRES NOV. 30, 2025



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 6, 2025
Misha Thompson
REGIONAL ENGINEER
October 3, 2025
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT
October 3, 2025
John J. 5
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

HDR
HDR Engineering, Inc.
DESIGN FIRM REGISTRATION NUMBER 184.001070
9450 W. Bryn Mawr Ave., Suite 400
Rosemont, IL 60018
773-380-7900

INDEX OF SHEETS

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1	COVER SHEET
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17 TO 28	STRUCTURAL PLANS - IL-64 (SN 071-0082)
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HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF ROAD- OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF ROAD- OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF ROAD-MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022 AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2025; THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARD.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS. ALIGNMENT AND STATION SHOWN ON THE PLANS ARE FOR INFORMATION ONLY. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO VARIATIONS FOUND IN THE FIELD. ANY ADJUSTMENTS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED BY THE ENGINEER.

IDOT DISTRICT 2 OPERATIONS TRAFFIC CONTROL SUPERVISOR SHALL BE CONTACTED AT 815-284-5474 FOR CONTROLLER PROGRAMMING AND TIMING APPROVAL PRIOR TO ACTIVATING THE TEMPORARY BRIDGE TRAFFIC SIGNALS. ADDITIONALLY, THE SUPERVISOR SHALL BE NOTIFIED A MINIMUM OF 5 WORKING DAYS PRIOR TO PLACING PERMANENT PAVEMENT MARKING.

THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.

TO HELP AVOID EXCESS DROP OFFS AT THE EDGE OF PAVEMENT, AGGREGATE SHOULDER MATERIAL OF THE TYPE SPECIFIED IN THE PLANS SHALL BE PLACED PRIOR TO ANY BITUMINOUS MATERIAL. THE AGGREGATE MATERIAL SHALL BE PLACED FLUSH WITH THE EXISTING PAVEMENT OR AT THE ELEVATION OF ANY PROPOSED MILLING. AT NO TIME SHALL THE AGGREGATE SHOULDER MATERIAL BE HIGHER THAN THE EXISTING EDGE OF PAVEMENT. THIS WORK SHALL BE PAID FOR BY THE TON FOR AGGREGATE SHOULDERS OF TYPE SPECIFIED.

THE CONTRACTOR SHALL SUBMIT A SEQUENCE OF CONSTRUCTION OPERATION TO THE RESIDENT ENGINEER FOR APPROVAL BEFORE THIS PROJECT IS STARTED.

THE EXCAVATED MATERIALS FROM EARTH EXCAVATION WIDENING, GRADING AND SHAPING DITCHES, AND EXCAVATING AND GRADING SHOULDERS SHALL BE USED TO BUILD UP THE SHOULDER THROUGHOUT THE JOB TO CONFORM WITH THE TYPICAL SECTIONS AND SHOULDER WIDENING FOR TERMINALS AS SHOWN ON THE PLANS.

THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (TANGENT) OR STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE I SPECIAL (FLARED).

DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:

- ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
- ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
- THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
- CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT (815) 284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

RELOCATE TEMPORARY IMPACT ATTENUATORS SHALL INCLUDE STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE DEVICE IS NOT NEEDED FOR A TIME, AS SHOWN ON THE STAGING PLANS. THIS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

WHEN RELOCATE TEMPORARY CONCRETE BARRIER IS SPECIFIED, THE WALL SHALL BE REMOVED, STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE WALL IS NOT NEEDED FOR A TIME AS SHOWN ON THE STAGING PLANS, RELOCATED AND REINSTATED AT THE NEW LOCATION. THE REINSTALLATION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR A NEW INSTALLATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

NO STREAM PERMITS HAVE BEEN PROCURED FOR THIS PROJECT. NON ARE REQUIRED FROM THE REGULATORY AGENCIES IF THERE IS NO DEBRIS FALLING OR BEING PLACED INTO THE STREAM. ANY TEMPORARY FILL IN THE STREAM OR THE COMPROMISING OF THE DIKE (IF APPLICABLE) WILL NOT BE ALLOWED. IF THE CONTRACTOR CHOOSES TO USE ALTERNATE/MODIFIED CONSTRUCTION METHOD(S), THEY WILL BE RESPONSIBLE FOR OBTAINING THE PROPER PERMITS. NO RELIEF OR COMPENSATION WILL BE GIVEN FOR ANY DELAYS, WORKING DAYS CHARGED OR CALENDAR DAYS EXPIRED DUE TO THE LOSS OF TIME OR DELAY DURING THE RE-SUBMITTAL PROCESS TO PROCURE THE NECESSARY PERMIT(S) DUE TO THE CONTRACTOR CHOOSING ALTERNATE/MODIFIED CONSTRUCTION METHOD(S). NO CONSTRUCTION ACTIVITIES SHALL TAKE PLACE WITHOUT THE PROPER PERMITS BEING SECURED.

THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1".

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

HMA MIXTURE REQUIREMENTS

LOCATION AND MIXTURE USE(S):	HMA CONC SURFACE CSE
PG:	PG 58-28
DESIGN AIR VOIDS:	4.0 @ N50
MIXTURE COMPOSITION:	IL 9.5
FRICTION AGGREGATE:	N/A
MIXTURE WEIGHT:	112 LB/SY/IN
QUALITY MANAGMENT PROGRAM:	QC/QA
SUBLOT SIZE:	N/A
MATERIAL TRANSFER DEVICE:	N/A

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) - APPLICATION RATES *	
SURFACE TYPE	RESIDUAL RATE
MILLED (HMA OR PCC)	0.05 LB/SQ FT
EXISTING PAVEMENT	0.05 LB/SQ FT
FOG COAT (BETWEEN LIFTS)	0.05 LB/SQ FT

* POLYMER TACK SHALL BE SS-1HP, CSS-1HP, OR NTEA LISTED MATERIAL

COMMITMENTS:

NONE

MODEL: Index
FILE NAME: c:\pwworking\central\01\05114159\0264105-Shi-Index.dgn



HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

USER NAME = MANDRUSHKO	DESIGNED - RA	REVISED -
	DRAWN - RA	REVISED -
	CHECKED - NSA	REVISED -
PLOT DATE = 6/20/2025	DATE = 6/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 64
INDEX OF SHEETS, GENERAL NOTES, AND HIGHWAY STANDARDS

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

F A P RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	2
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

MODEL - Summary of Quantities
FILE NAME: c:\pwworking\central\0145114159\0264105-Sht-SOO.dgn

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	FUNDING 80% FED/ 20% STATE	
				CONSTRUCTION CODE	
				ROADWAY 0059	BRIDGE 0059
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	1	1	
28100109	STONE RIPRAP, CLASS A5	SQ YD	265		265
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	37	37	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	75	75	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	247	247	
40600372	LONGITUDINAL JOINT SEALANT, HALF-WIDTH	FOOT	180	180	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	370	370	
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	64	64	
44004250	PAVED SHOULDER REMOVAL	SQ YD	6	6	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	40	40	
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	37	37	
50102400	CONCRETE REMOVAL	CU YD	2.6		2.6
50300225	CONCRETE STRUCTURES	CU YD	2.4		2.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	0.2		0.2
50300260	BRIDGE DECK GROOVING	SQ YD	430		430
50300300	PROTECTIVE COAT	SQ YD	467		467
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	220		220
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	412.5	412.5
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
*	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	4	4
	63200310	GUARDRAIL REMOVAL	FOOT	713	713
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2
	67100100	MOBILIZATION	L SUM	1	1
	70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	2
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
	70106700	TEMPORARY RUMBLE STRIPS	EACH	3	3
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	833	833
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	2355	2355
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	24	24

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	FUNDING 80% FED/ 20% STATE	
				CONSTRUCTION CODE	
				ROADWAY 0059	BRIDGE 0059
70400100	TEMPORARY CONCRETE BARRIER	FOOT	500	500	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	500	500	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1469	1469
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	290	290
*	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1469	1469
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	587	587
	X6350110	DELINEATORS (SPECIAL)	EACH	4	4
*	X7820007	GUARDRAIL REFLECTORS, TYPE C (SPECIAL)	EACH	9	9
*	X7820008	BARRIER WALL REFLECTORS (SPECIAL)	EACH	2	2
	Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	3	3
	Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	4	4
	Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	468	468
	Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	468	468
	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	3	3
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
	Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	69	69

★ DENOTES SPECIALTY ITEM



HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

USER NAME = MANDRUSHKO	DESIGNED - RA	REVISED -
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	CHECKED - NSA	REVISED -
PLOT DATE = 6/20/2025	DATE - 6/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 64
SUMMARY OF QUANTITIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	3
		CONTRACT NO. 64T05		
		ILLINOIS FED. AID PROJECT		

MODEL - Schedule of Quantities
FILE NAME: c:\pwworking\central\01\45114159\0264105-SHA-Schedule.dgn

20200600	EXCAVATING AND GRADING EXISTING SHOULDER				
STA	STA	OFFSET	SQFT	SQYD	UNIT
19+49.5	20+49.8	RT	283.1	31.5	1
TOTAL					1

30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"				
STA	STA	OFFSET	SQ FT	SQ YD	SQ YD
19+49.50	20+49.76	RT	331.9	36.9	36.9
TOTAL					37

40600275	BITUMINOUS MATERIALS (PRIME COAT)				
STA	STA	AREA (SF)	AGG SURFACE RATE (LB/SF)	#APPL	POUND
19+49.5	20+49.8	300.8	0.25	1	75.2
TOTAL					75

40600290	BITUMINOUS MATERIALS (TACK COAT)				
STA	STA	AREA (SF)	MILLED SURFACE RATE (LB/SF)	#APPL	POUND
15+60.7	18+05.5	2,390	0.05	1	120.0
18+74.5	21+11.5	2,538	0.05	1	126.9
TOTAL					247

40600372	LONGITUDINAL JOINT SEALANT, HALF-WIDTH			
STA	STA	OFFSET	LENGTH	TOTAL
STAGE 1				
17+30.50	17+75.50	LT	45.0	45.0
19+04.50	19+49.50	LT	45.0	45.0
STAGE 2				
17+30.50	17+75.50	LT	45.0	45.0
19+04.50	19+49.50	LT	45.0	45.0
TOTAL				180

40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT				
STA	STA	OFFSET	SQFT	SQYD	SQ YD
17+30.5	17+75.5	LT/RT	1,665	185	185
19+04.5	19+49.5	LT/RT	1,665	185	185
TOTAL					370

40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50						
STA	STA	AREA (SF)	OFFSET	AREA (SY)	THICK (IN.)	RATE	TON
15+60.7	18+05.5	602.0	RT	66.9	2.5	112	9.4
16+61.9	18+05.5	346.9	LT	38.5	2.5	112	5.4
17+30.5	17+75.5	1,440.0	RT/LT	160.0	1.5	112	13.4
19+04.5	19+49.5	1,440.0	RT/LT	160.0	1.5	112	13.4
18+74.5	19+49.5	187.5	RT	20.8	2.5	112	2.9
19+49.5	20+49.8	331.9	RT	36.9	2.5	112	5.2
18+74.5	21+11.3	578.9	LT	64.3	2.5	112	9.0
CONTINGENCY							5.0
TOTAL							64

44004250	PAVED SHOULDER REMOVAL				
STA	STA	OFFSET	SQFT	SQYD	SQ YD
19+49.50	19+75.25	RT	48.76	5.42	5.42
TOTAL					6

48102100	AGGREGATE WEDGE SHOULDER, TYPE B							
STA	STA	OFFSET	SQ FT	SQ YD	THICKNESS	CU YD	CONVERSION	TON
15+23.10	18+05.50	RT	511	57	0.67	38	0.2	8
16+18.96	18+05.50	LT	393	44	0.67	29	0.2	6
18+74.50	21+44.35	LT	512	57	0.67	38	0.2	8
18+74.50	19+80.99	RT	349	39	0.67	26	0.2	5
CONTINGENCY								13
TOTAL								40

48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"				
STA	STA	OFSSET	SQ FT	SQ YD	SQ YD
19+49.50	20+49.76	RT	331.9	36.9	36.87
TOTAL					37

63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS		
STA	STA	OFFSET	FOOT
15+91.20	17+67.96	RT	175
16+92.98	17+67.96	LT	75
19+12.02	20+74.52	LT	162.5
TOTAL			412.5

63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	
STA	OFFSET	EACH
18+05.50	LT	1
18+05.50	RT	1
18+74.50	LT	1
18+74.50	RT	1
TOTAL		4

63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	
STA	OFFSET	EACH
15+55.60	RT	1
16+55.64	LT	1
19+49.34	RT	1
21+11.84	LT	1
TOTAL		4

63200310	GUARDRAIL REMOVAL		
STA	STA	OFFSET	FOOT
15+56.51	18+05.50	RT	249.7
16+57.51	18+05.50	LT	148.6
18+74.50	19+44.06	RT	70.1
18+74.50	21+17.29	LT	243.5
TOTAL			713

70106700	TEMPORARY RUMBLE STRIPS	
EACH		
STAGE 1 & STAGE 2		3
TOTAL		3

MODEL: Schedule of Quantities 2
FILE NAME: c:\pwworking\central\145114159\264105-SHA-Schedule.dgn

70300150	SHORT TERM PAVEMENT MARKING REMOVAL					
STA	STA	OFFSET	LENGTH	FACTOR	WIDTH (FT)	SQ FT
STAGE 1						
14+95.50	22+28.57	LT/RT	735	1	0.33	244.9
16+19.50	20+60.50	RT	441	1	0.33	147.1
STAGE 2						
14+48.35	21+84.50	LT/RT	738	1	0.33	245.9
16+19.50	20+60.50	RT	442	1	0.33	147.3
14+35.50	14+35.50	RT	12	1	2.00	24.0
22+44.50	22+44.50	LT	12	1	2.00	24.0
TOTAL						833

70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE				
STA	STA	OFFSET	LENGTH	TYPE	FOOT
STAGE 1					
14+95.50	22+28.57	LT/RT	735	SOLID WHITE	735
16+19.50	20+60.50	RT	441	SOLID WHITE	441
STAGE 2					
14+48.35	21+84.50	LT/RT	738	SOLID WHITE	738
16+19.50	20+60.50	RT	442	SOLID WHITE	442
TOTAL					2,355

70307210	TEMPORARY PAVEMENT MARKING - LINE 24". TYPE IV TAPE				
STA	STA	OFFSET	LENGTH	TYPE	FOOT
STAGE 1					
14+35.50	14+35.50	RT	12	STOP BAR	12
22+44.50	22+44.50	LT	12	STOP BAR	12
TOTAL					24

70400100	TEMPORARY CONCRETE BARRIER			
STA	STA	OFFSET	LENGTH	FOOT
STAGE 1				
16+28.26	21+27.47	LT/RT	500	500
TOTAL				500

70400200	RELOCATE TEMPORARY CONCRETE BARRIER			
STA	STA	OFFSET	LENGTH	FOOT
STAGE 2				
15+50.00	20+49.15	LT/RT	500.0	500
TOTAL				500

70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	
STA	OFFSET	EACH
STAGE 1		
16+28.26	LT	1
21+27.47	LT	1
TOTAL		2

70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	
STA	OFFSET	EACH
STAGE 2		
15+50.00	RT	1
20+49.15	RT	1
TOTAL		2

72501000	TERMINAL MARKER - DIRECT APPLIED	
STA	LT/RT	EACH
15+55.60	RT	1
16+55.64	LT	1
19+49.34	LT	1
21+11.84	RT	1
TOTAL		4

78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"					
STA	STA	OFFSET	LENGTH	FACTOR	TYPE	FOOT
14+48.00	17+75.50	LT	327.5	1	SOLID WHITE	328
19+04.50	22+30.00	LT	325.5	1	SOLID WHITE	326
14+48.00	17+75.50	RT	327.5	1	SOLID WHITE	328
19+04.50	22+30.00	RT	325.5	1	SOLID WHITE	326
14+48.00	17+75.50	LT/RT	327.5	0.25	SKIP-DASH	82
19+04.50	22+30.00	LT/RT	325.5	0.25	SKIP-DASH	81
TOTAL						1,469

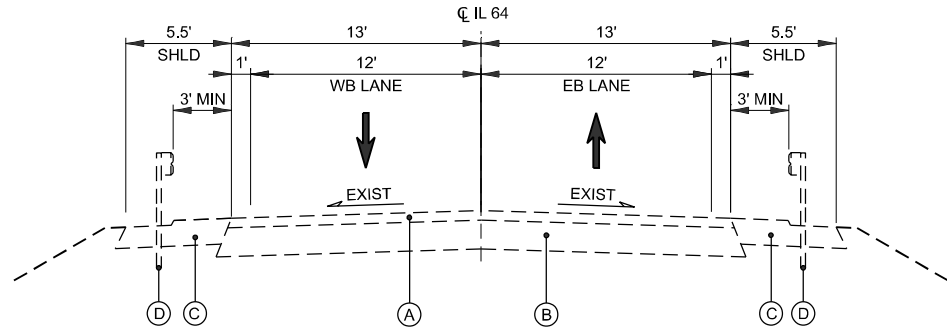
78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"					
STA	STA	OFFSET	LENGTH	FACTOR	TYPE	FOOT
17+75.50	19+04.50	LT	129	1	SOLID WHITE	129
17+75.50	19+04.50	RT	129	1	SOLID WHITE	129
17+75.50	19+04.50	LT/RT	129	0.25	SKIP-DASH	32
TOTAL						290

78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING					
STA	STA	OFFSET	LENGTH	FACTOR	WIDTH (FT)	SQ FT
14+48.00	22+30.00	LT	782	1	0.33	261
14+48.00	22+30.00	RT	782	1	0.33	261
14+48.00	22+30.00	LT/RT	782	0.25	0.33	65
TOTAL						587

X6350110	DELINEATORS (SPECIAL)	
TYPE 1 (SPECIAL) TERMINAL END	OFFSET	EACH
15+55.60	RT	1
16+55.64	LT	1
19+49.34	RT	1
21+11.84	LT	1
TOTAL		4

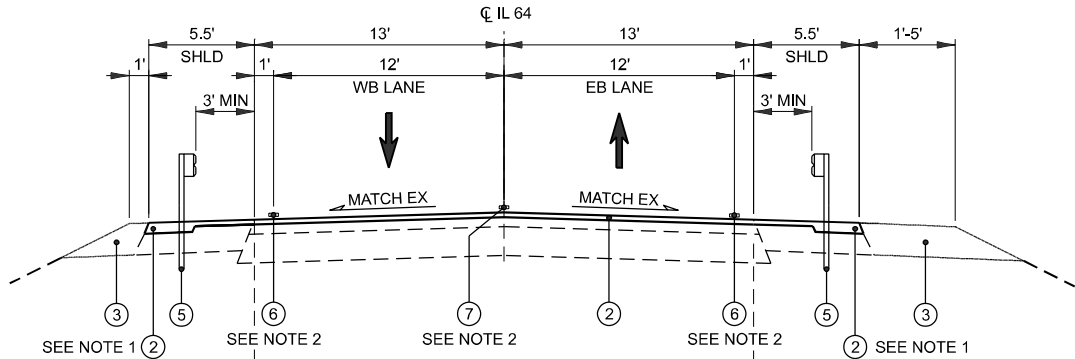
X7820007	GUARDRAIL REFLECTORS, TYPE C (SPECIAL)					
STA	STA	OFFSET	LENGTH	NUMBER	SPACING	EACH
15+55.60	18+05.46	RT	250	1	80	3
16+55.64	18+05.46	LT	150	1	80	2
18+74.50	19+49.34	RT	75	1	80	1
18+74.50	21+11.84	LT	237.5	1	80	3
TOTAL						9

X7820008	BARRIER WALL REFLECTORS (SPECIAL)					
STA	STA	LT/RT	LENGTH	NUMBER	SPACING	EACH
BRIDGE PARAPET						
18+05.50	18+74.50	LT/RT	138	2	80	2
TOTAL						2



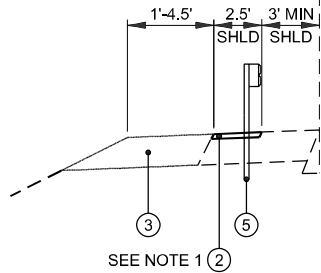
EXISTING TYPICAL SECTION

STA. 17+30.50 TO STA. 17+75.50
BRIDGE AND APPROACH SLAB OMISSION STA. 17+75.50 TO STA. 19+04.50
STA. 19+04.50 TO STA. 19+49.50



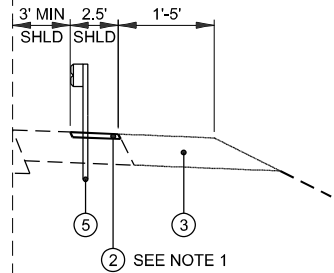
PROPOSED TYPICAL SECTION

(PAVEMENT TRANSITION)
STA. 17+30.50 TO STA. 17+75.50
BRIDGE AND APPROACH SLAB OMISSION STA. 17+75.50 TO STA. 19+04.50
STA. 19+04.50 TO STA. 19+49.50



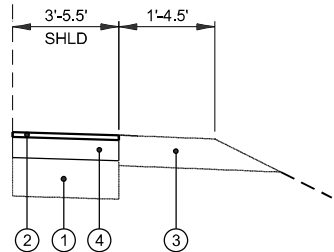
LEFT SHOULDER

STA. 16+18.96 TO STA. 17+30.50
STA. 19+49.50 TO STA. 21+44.35



RIGHT SHOULDER

STA. 15+23.10 TO STA. 17+30.50



RIGHT SHOULDER

STA. 19+49.50 TO STA. 20+49.75

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT
- (B) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT
- (C) EXISTING HOT-MIX ASPHALT SHOULDER
- (D) EXISTING GUARDRAIL

PROPOSED LEGEND

- (1) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 1.5"
- (3) AGGREGATE WEDGE SHOULDER, TYPE B
- (4) HOT-MIX ASPHALT SHOULDERS, 6.5"
- (5) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (6) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
OR
MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (7) THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH YELLOW)
OR
MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SKIP-DASH YELLOW)

NOTES

- PROPOSED HMA SURFACE COURSE THICKNESS IS SUBJECT TO VARIATIONS FOUND IN THE FIELD.
- USE THERMOPLASTIC PAVEMENT MARKING ON HMA SURFACE AND MODIFIED URETHANE PAVEMENT MARKING ON CONCRETE SURFACE.

MODEL: Typical
FILE NAME: c:\paworking\central\01\45114159\0264105-SH-Typical.dgn



HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

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	CHECKED - NSA	REVISED -
PLOT DATE = 6/16/2025	DATE - 6/20/25	REVISED -

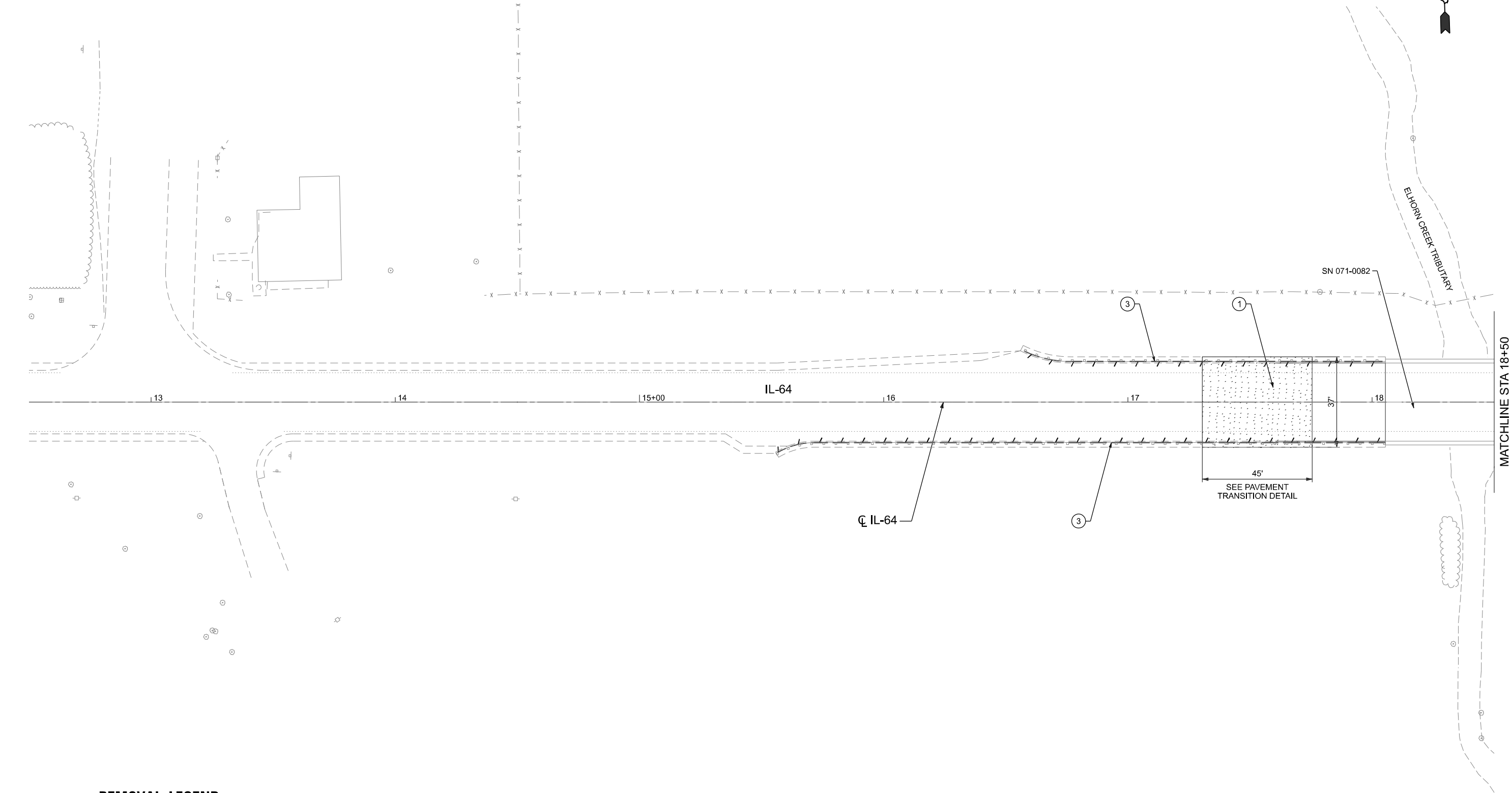
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 64
EXISTING AND PROPOSED TYPICAL SECTIONS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	6
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

MODEL: Removal_1
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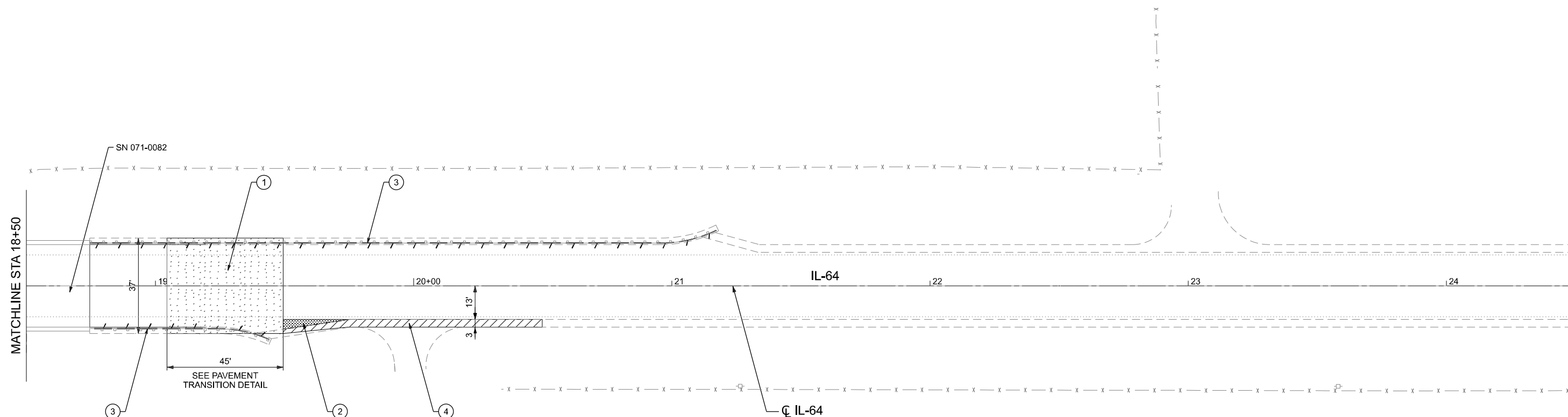


REMOVAL LEGEND

- ① HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- ② PAVED SHOULDER REMOVAL
- ③ EXISTING GUARDRAIL REMOVAL
- ④ EXCAVATING AND GRADING EXISTING SHOULDER

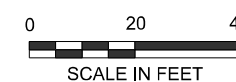


 <div>HDR HDR ENGINEERING, INC. 9450 W. BRYN MAWR AVE. ROSEMONT, IL 60018</div>	USER NAME = MANDRUSHKO	DESIGNED - RA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 64 REMOVAL PLAN			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RA	REVISED -					17	(101BR-2)BDR	OGLE	37	7
		CHECKED - NSA	REVISED -		CONTRACT NO. 64T05							
	PLOT DATE = 6/16/2025	DATE - 6/20/2025	REVISED -		SCALE: 1"=20'	SHEET 1	OF 2 SHEETS	STA. 12+50.00	TO STA. 18+50.00	ILLINOIS FED. AID PROJECT		



REMOVAL LEGEND

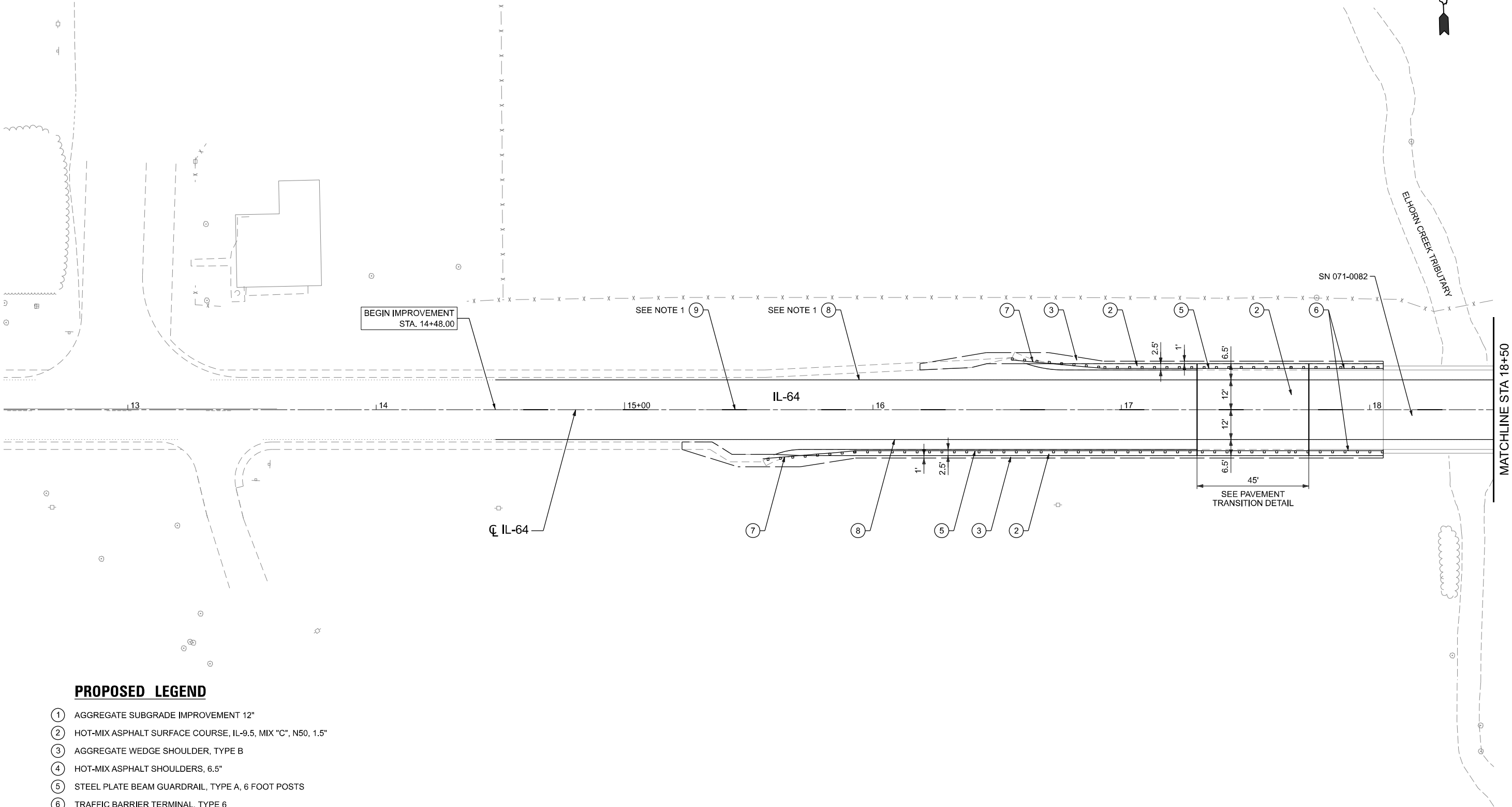
- ① HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- ② PAVED SHOULDER REMOVAL
- ③ EXISTING GUARDRAIL REMOVAL
- ④ EXCAVATING AND GRADING EXISTING SHOULDER



 HDR ENGINEERING, INC. 9450 W. BRYN MAWR AVE. ROSEMONT, IL 60018	USER NAME = MANDRUSHKO	DESIGNED - RA	REVISED -	<div style="text-align: center;"> STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION </div>	<div style="text-align: center;"> IL 64 REMOVAL PLAN </div>					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RA	REVISED -							17	(101BR-2)BDR	OGLE	37	8
		CHECKED - NSA	REVISED -		SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 18+50.00 TO STA. 24+50.00					CONTRACT NO. 64T05				
	PLOT DATE = 6/16/2025	DATE - 6/20/2025	REVISED -							ILLINOIS FED. AID PROJECT				

NOTES

1. USE THERMOPLASTIC PAVEMENT MARKING ON HMA SURFACE AND
MODIFIED URETHANE PAVEMENT MARKING ON CONCRETE SURFACE.



PROPOSED LEGEND

- 1 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 2 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 1.5"
- 3 AGGREGATE WEDGE SHOULDER, TYPE B
- 4 HOT-MIX ASPHALT SHOULDERS, 6.5"
- 5 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- 6 TRAFFIC BARRIER TERMINAL, TYPE 6
- 7 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
OR
MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- 9 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH YELLOW)
OR
MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SKIP-DASH YELLOW)

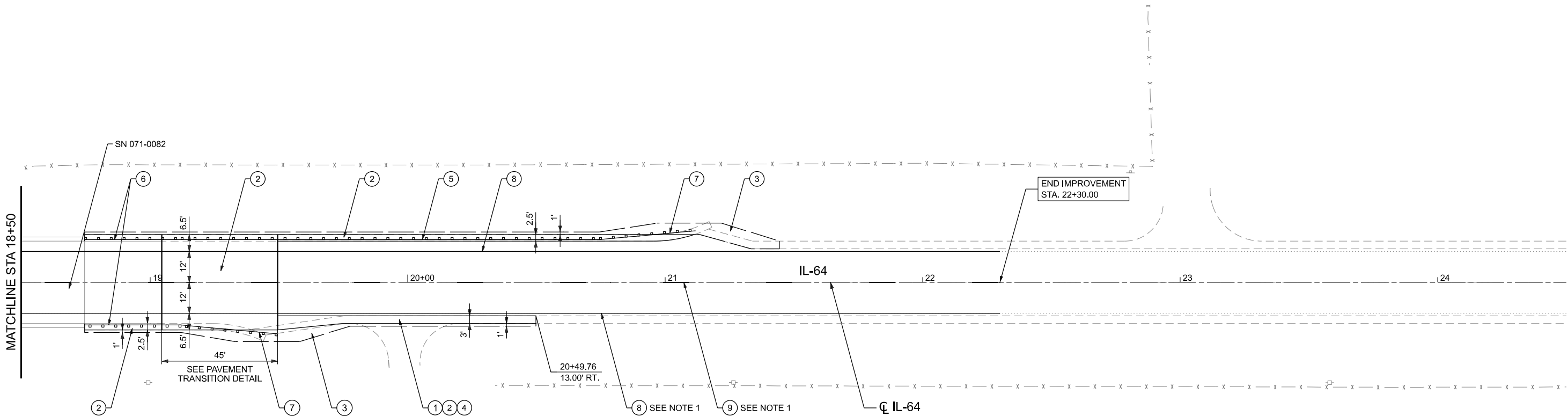


MODEL: Proposed_1
FILE NAME: c:\pwworking\central\0145114159\0264105-SHA-Proposed.dgn

<div><div><div></div></div><div><div>HDR</div><div>HDR ENGINEERING, INC. 9450 W. BRYN MAWR AVE. ROSEMONT, IL 60018</div></div></div>	USER NAME = MANDRUSHKO		DESIGNED - RA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 64 PROPOSED ROADWAY PLAN			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - RA	REVISED -					17	(101BR-2)BDR	OGLE	37	9
			CHECKED - NSA	REVISED -					CONTRACT NO. 64T05				
	PLOT DATE = 6/16/2025		DATE - 6/20/2025	REVISED -		SCALE: 1"=20'	SHEET 1	OF 2 SHEETS	STA. 12+50.00	TO STA. 18+50.00	ILLINOIS FED. AID PROJECT		

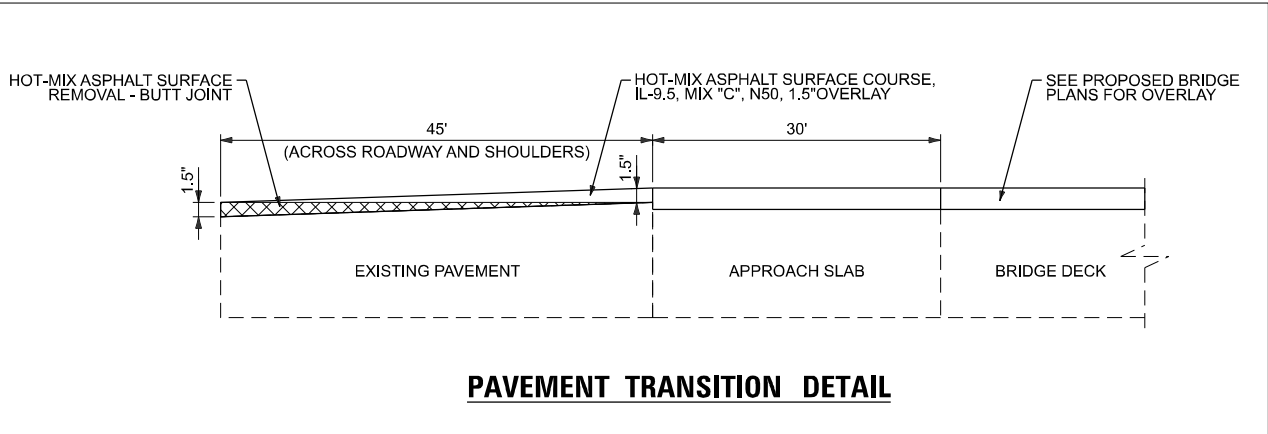
NOTES

1. USE THERMOPLASTIC PAVEMENT MARKING ON HMA SURFACE AND
MODIFIED URETHANE PAVEMENT MARKING ON CONCRETE SURFACE.



PROPOSED LEGEND

- ① AGGREGATE SUBGRADE IMPROVEMENT 12"
② HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 1.5"
③ AGGREGATE WEDGE SHOULDER, TYPE B
④ HOT-MIX ASPHALT SHOULDERS, 6.5"
⑤ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
⑥ TRAFFIC BARRIER TERMINAL, TYPE 6
⑦ TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
OR
MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SOLID WHITE)
⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SKIP-DASH YELLOW)
OR
MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (SKIP-DASH YELLOW)



PAVEMENT TRANSITION DETAIL



MODEL: Proposed_2
FILE NAME: c:\pwworking\central\0145114159\264105-SHA-Proposed.dgn



HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

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	CHECKED - NSA	REVISED -
PLOT DATE = 6/16/2025	DATE - 6/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 64
PROPOSED ROADWAY PLAN

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 18+50.00 TO STA. 24+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	10
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. ALL STAGING DETAILS SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321 AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH LOCATION.
2. ALL WORK WITHOUT TEMPORARY TRAFFIC SIGNALS IN PLACE SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701201 AND 701326.
3. EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF THE OPEN LANE FROM STOP BAR TO STOP BAR. PAVEMENT MARKINGS THAT BE IN CONFLICT WITH STAGED TRAFFIC MARKINGS SHALL BE REMOVED USING PAVEMENT MARKING REMOVAL - WATER BLASTING (78300202). THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION STANDARDS 701321 AND PAY ITEM 78300202.
4. ADDITIONAL SIGNAGE SHOWN ON THE TRAFFIC CONTROL SHEETS WHICH ARE NOT PART OF HIGHWAY STANDARD 701321 SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION STANDARD 701321.
5. STAGE 1 DECK SCARIFICATION SHALL TAKE PLACE PRIOR TO DECK REMOVALS REQUIRED FOR DECK SLAB REPAIRS (FULL DEPTH). A STEEL ROAD PLATE SHALL BE PROVIDED OVER THE OPEN DECK REMOVAL LOCATED AT THE CENTERLINE OF IL 64. THE PROVIDED STEEL PLATES MUST BE SUFFICIENT TO SPAN THE DECK REMOVAL OPENING WITH A MINIMUM OVERLAP OF 12 INCHES BEYOND THE REMOVAL. THE CONTRACTOR SHALL SECURE THE STEEL ROAD PLATES WITHOUT DAMAGING THE EXISTING BRIDGE DECK. COST OF STEEL ROAD PLATE IS INCLUDED WITH DECK SLAB REPAIR (FULL DEPTH).

SUGGESTED IL-64 TRAFFIC CONTROL NOTES

PRE-STAGE CONSTRUCTION

1. CONSTRUCT PROPOSED EASTBOUND HMA SHOULDER FROM STA. 19+49.50 TO STA. 20+49.76

TRAFFIC

1. CLOSE EASTBOUND LANE AS REQUIRED USING HIGHWAY STANDARD 701326.

STAGE 1

CONSTRUCTION

1. MILL WESTBOUND BRIDGE DECK, APPROACH SLAB, PAVEMENT, AND PERFORM BRIDGE REPAIRS. OVERLAY WESTBOUND BRIDGE, CONSTRUCT PAVEMENT TRANSITION AND SHOULDER, INSTALL GUARDRAIL, AND STRUCTURE REPAIRS.

TRAFFIC

1. CLOSE WESTBOUND LANE TRANSITIONING WESTBOUND AND EASTBOUND TRAFFIC INTO THE EASTBOUND LANE AND SHOULDER USING HIGHWAY STANDARD 701321 AND AS DETAILED IN THE MAINTENANCE OF TRAFFIC STAGE I TYPICAL SECTION AND PLANS.

STAGE 2

CONSTRUCTION

1. MILL EASTBOUND BRIDGE DECK, APPROACH SLAB, PAVEMENT, AND PERFORM BRIDGE REPAIRS. OVERLAY EASTBOUND BRIDGE, CONSTRUCT PAVEMENT TRANSITION AND SHOULDER, INSTALL GUARDRAIL, AND STRUCTURE REPAIRS.

TRAFFIC

1. CLOSE EASTBOUND LANE TRANSITIONING WESTBOUND AND EASTBOUND TRAFFIC INTO THE WESTBOUND LANE AND SHOULDER USING HIGHWAY STANDARD 701321 AND AS DETAILED IN THE MAINTENANCE OF TRAFFIC STAGE II TYPICAL SECTION AND PLANS.

POST STAGE CONSTRUCTION

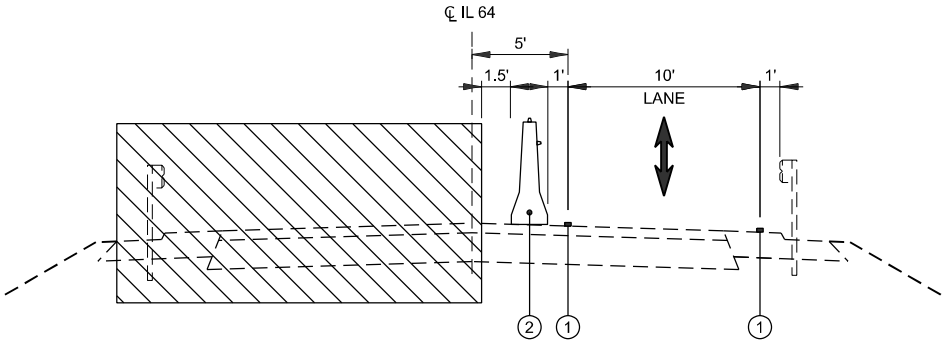
1. REMOVE TEMPORARY PAVEMENT MARKINGS, TEMPORARY SIGNALS, AND TEMPORARY CONCRETE BARRIER. CONDUCT WORKSITE CLEANUP, PLACE FINAL PAVEMENT MARKINGS, AND PROTECTIVE COAT.

TRAFFIC

1. UTILIZE STANDARD 701301 AND 701311 FOR SHORT TERM LANE CLOSURES.

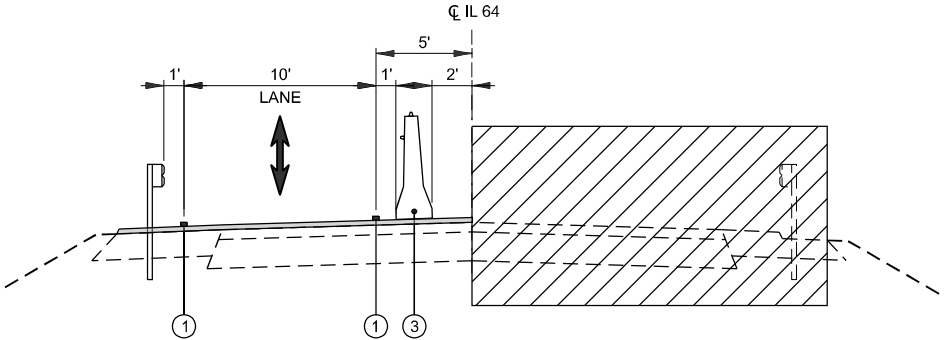
MOT SYMBOL LEGEND

- WORK AREA
- COMPLETED PAVEMENT
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER



MOT TYPICAL SECTION STAGE 1

STA. 16+55.50 TO STA. 20+24.50



MOT TYPICAL SECTION STAGE 2

STA. 16+55.50 TO STA. 20+24.50

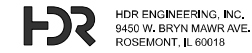
MOT PROPOSED LEGEND

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)
- ② TEMPORARY CONCRETE BARRIER
- ③ RELOCATE TEMPORARY CONCRETE BARRIER

MODEL: MOT Typical.dgn
FILE NAME: c:\pwworking\central\0145114159\0264105-SH-MOT02.dgn

<div><div>HDR</div><div>HDR ENGINEERING, INC. 9450 W. BRYN MAWR AVE. ROSEMONT, IL 60018</div></div>	USER NAME = MANDRUSHKO	DESIGNED - RA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 64 MOT TYPICAL SECTIONS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RA	REVISED -					17	(101BR-2)BDR	OGLE	37	12
		CHECKED - NSA	REVISED -					CONTRACT NO. 64T05				
	PLOT DATE = 6/16/2025	DATE - 6/20/2025	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:			SHEET 2	OF 6	SHEETS	STA.	TO STA.	

MODEL: MOT Stage 1.1
FILE NAME: c:\pwworking\central\0145114159\0264105-SH-MOT03.dgn



USER NAME = MANDRUSHKO	DESIGNED - RA	REVISED -
	DRAWN - RA	REVISED -
	CHECKED - NSA	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 64 MOT STAGE 1			
SCALE: 1"=20'	SHEET 3	OF 6 SHEETS	STA. 12+50.00 TO STA. 18+50.00

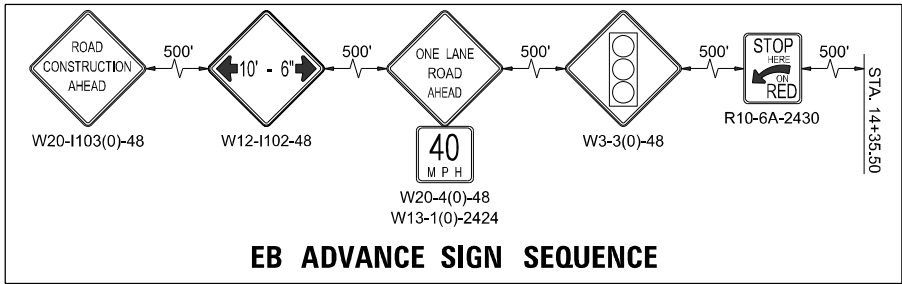
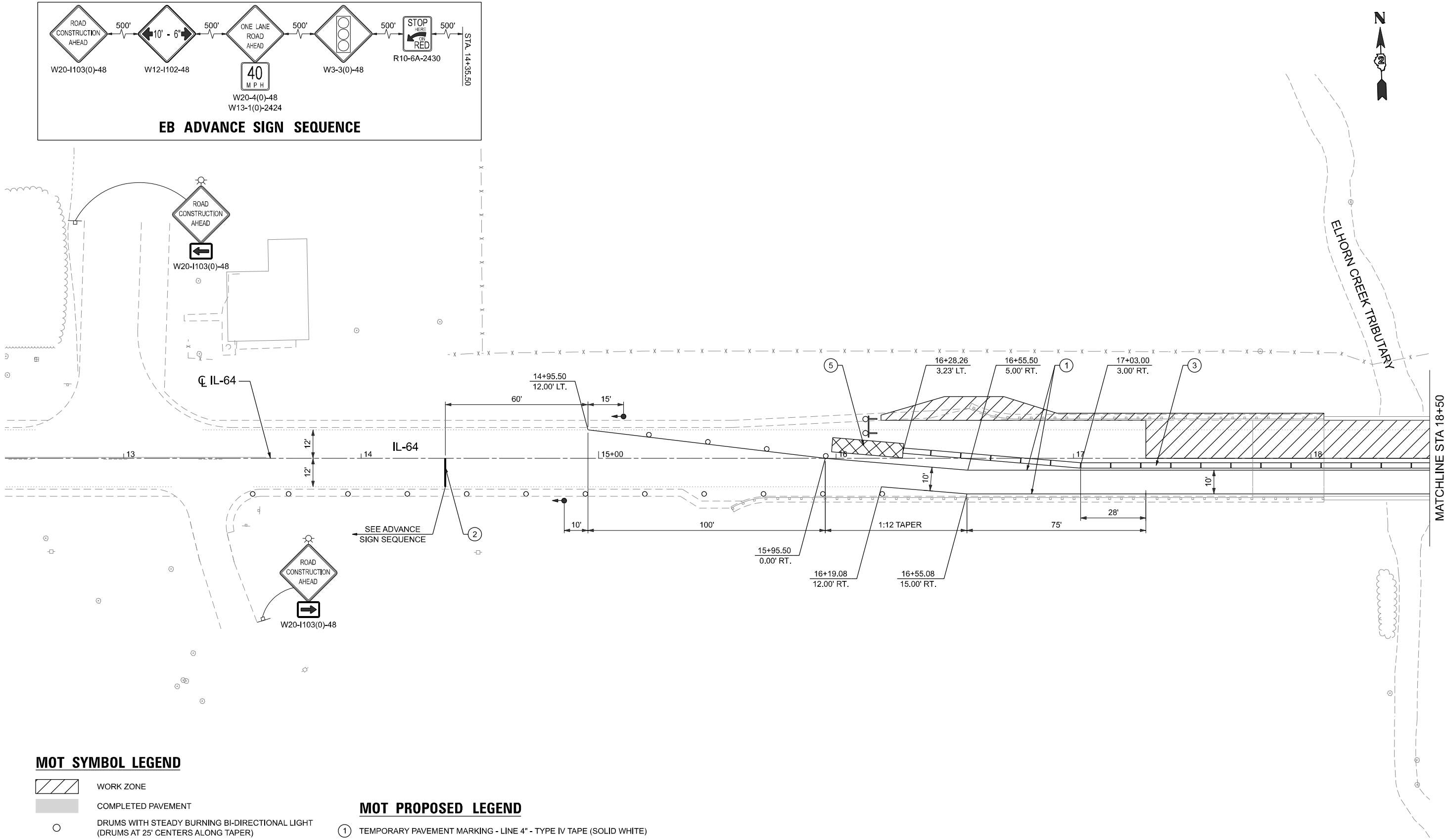
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	13
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

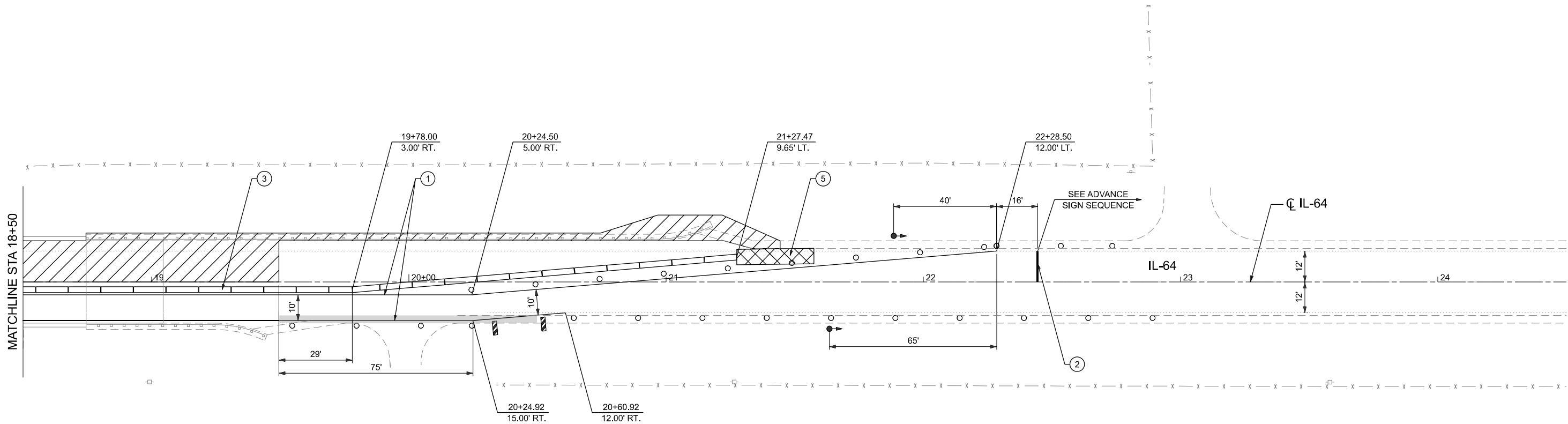
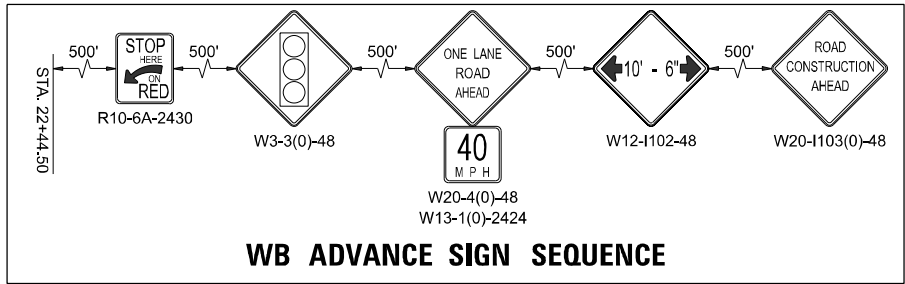
MOT SYMBOL LEGEND

	WORK ZONE
	COMPLETED PAVEMENT
	DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHT (DRUMS AT 25' CENTERS ALONG TAPER)
	TEMPORARY CONCRETE BARRIER
	TEMPORARY TRAFFIC ATTENUATOR
	TYPE III BARRICADE
	TEMPORARY TRAFFIC SIGNAL
	VERTICAL PANELS

MOT PROPOSED LEGEND

- TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE (SOLID WHITE)
- TEMPORARY CONCRETE BARRIER
- RELOCATE TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3
- IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3





MOT SYMBOL LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHT (DRUMS AT 25' CENTERS ALONG TAPER)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY TRAFFIC ATTENUATOR
- TYPE III BARRICADE
- TEMPORARY TRAFFIC SIGNAL
- VERTICAL PANELS

MOT PROPOSED LEGEND

- ① TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)
- ② TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE (SOLID WHITE)
- ③ TEMPORARY CONCRETE BARRIER
- ④ RELOCATE TEMPORARY CONCRETE BARRIER
- ⑤ IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3
- ⑥ IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3



MODEL: MOT Stage 1, 2
FILE NAME: c:\pwworking\central\0145114159\0264105-SH-MOT03.dgn



HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

USER NAME = MANDRUSHKO	DESIGNED - RA	REVISED -
	DRAWN - RA	REVISED -
	CHECKED - NSA	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

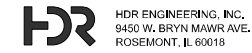
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 64
MOT STAGE 1

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. 18+50.00 TO STA. 24+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	14
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

MODEL: MOT Stage 2.1
FILE NAME: c:\pwworking\central\0145114159\0264105-SH+MOT04.dgn



USER NAME = MANDRUSHKO	DESIGNED - RA	REVISED -
	DRAWN - RA	REVISED -
	CHECKED - NSA	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. 12+50.00 TO STA. 18+50.00

IL 64
MOT STAGE 2

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	15
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

MOT SYMBOL LEGEND

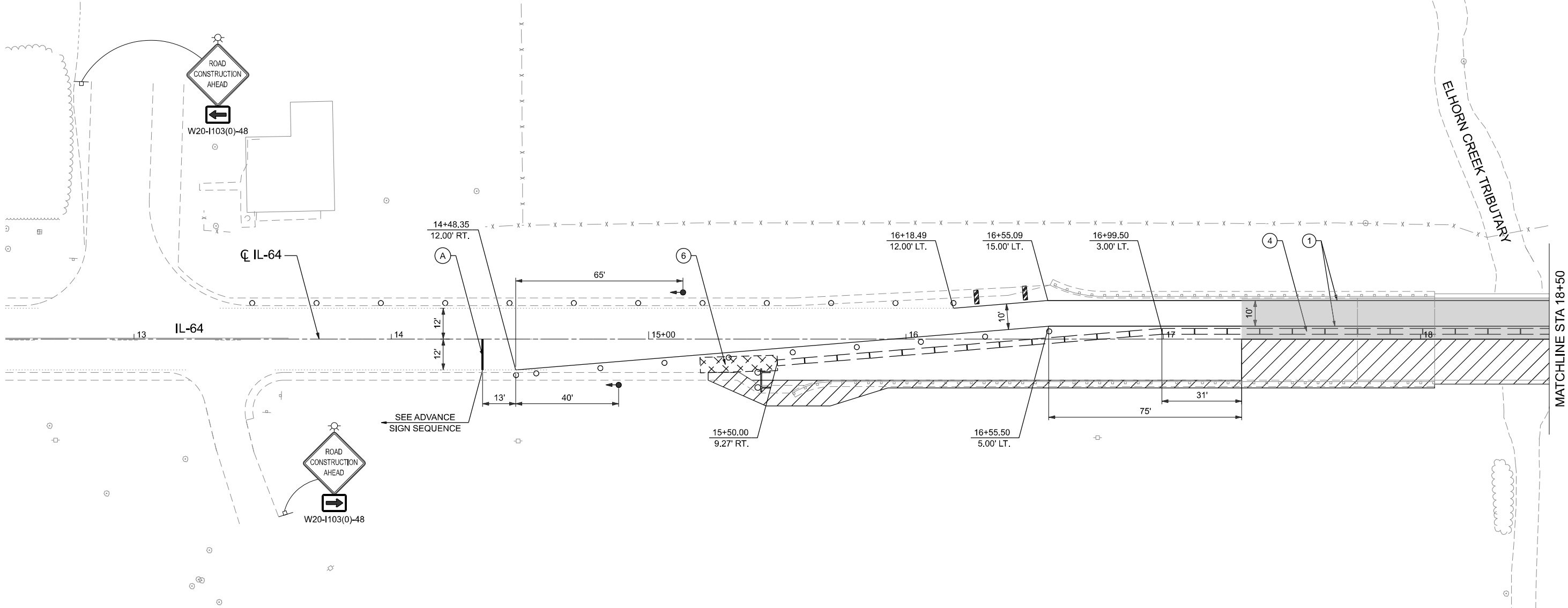
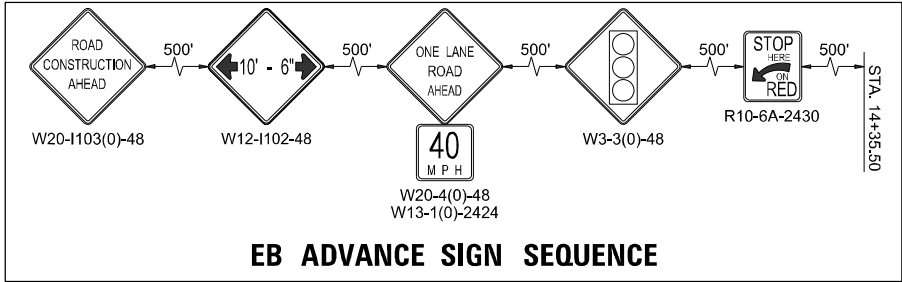
- WORK ZONE
- COMPLETED PAVEMENT
- DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHT (DRUMS AT 25' CENTERS ALONG TAPER)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY TRAFFIC ATTENUATOR
- TYPE III BARRICADE
- TEMPORARY TRAFFIC SIGNAL
- VERTICAL PANELS

MOT EXISTING LEGEND

- EXISTING TEMPORARY PAVEMENT MARKING

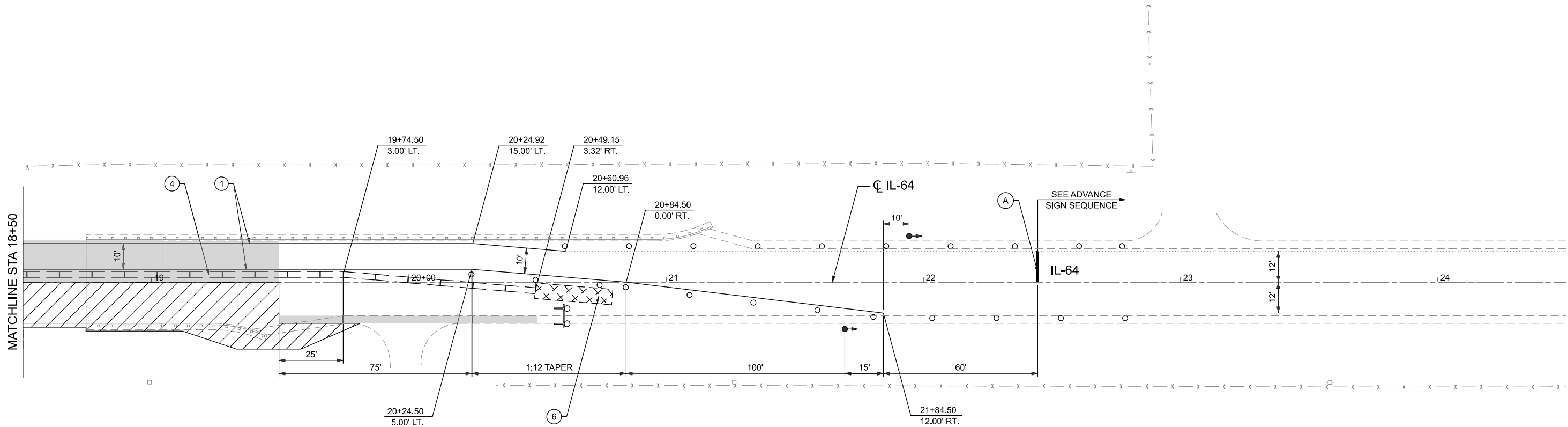
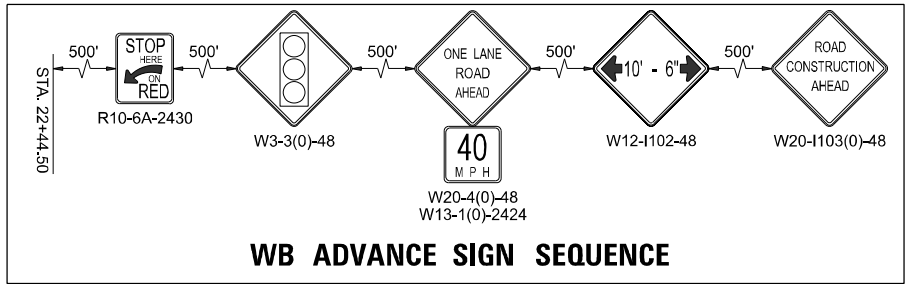
MOT PROPOSED LEGEND

- TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)
- TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE (SOLID WHITE)
- TEMPORARY CONCRETE BARRIER
- RELOCATE TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3
- IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3



EL HORN CREEK TRIBUTARY

MATCHLINE STA 18+50



MOT SYMBOL LEGEND

- WORK ZONE
- COMPLETED PAVEMENT
- DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHT (DRUMS AT 25' CENTERS ALONG TAPER)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY TRAFFIC ATTENUATOR
- TYPE III BARRICADE
- TEMPORARY TRAFFIC SIGNAL
- VERTICAL PANELS

MOT EXISTING LEGEND

- (A) EXISTING TEMPORARY PAVEMENT MARKING

MOT PROPOSED LEGEND

- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE (SOLID WHITE)
- (2) TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE (SOLID WHITE)
- (3) TEMPORARY CONCRETE BARRIER
- (4) RELOCATE TEMPORARY CONCRETE BARRIER
- (5) IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3
- (6) IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3



MODEL: MOT Stage 2.2
FILE NAME: c:\pwworking\central\0145114159\0264105-SH+MOT04.dgn



HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

USER NAME = MANDRUSHKO	DESIGNED - RA	REVISED -
	DRAWN - RA	REVISED -
	CHECKED - NSA	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 64
MOT STAGE 2

SCALE: 1"=20' SHEET 6 OF 6 SHEETS STA. 18+50.00 TO STA. 24+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	16
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

Existing Structure: S.N. 071-0082, originally built in 1993 as a three span reinforced concrete slab bridge on open abutments and piers with steel H-piles. 70'-0" back-to-back of abutments, 35'-2" out-to-out.

Traffic to be maintained utilizing stage construction and one-way, signalized traffic.

No salvage.

SCOPE OF WORK

1. Complete $\frac{3}{4}$ " bridge deck and approach slab scarification on bridge slab and approach slabs.
2. Perform partial and full depth repairs to bridge deck and approach slabs.
3. Place Bridge Deck Latex Concrete Overlay $2\frac{1}{4}$ " on bridge slab and approach slabs.
4. Modify bridge deck parapet ends.
5. Reconstruct Concrete Pile Encasement Protection at Pier 1.
6. Apply Protective Coat on the top surface of the deck overlay on bridge slab, approach slabs, and new concrete at parapet reconstruction.
7. Reconstruct riprap protection at West Abutment slope.
8. Add riprap along base of East Abutment cap.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

LOADING HS20-44

No allowance for future wearing surface

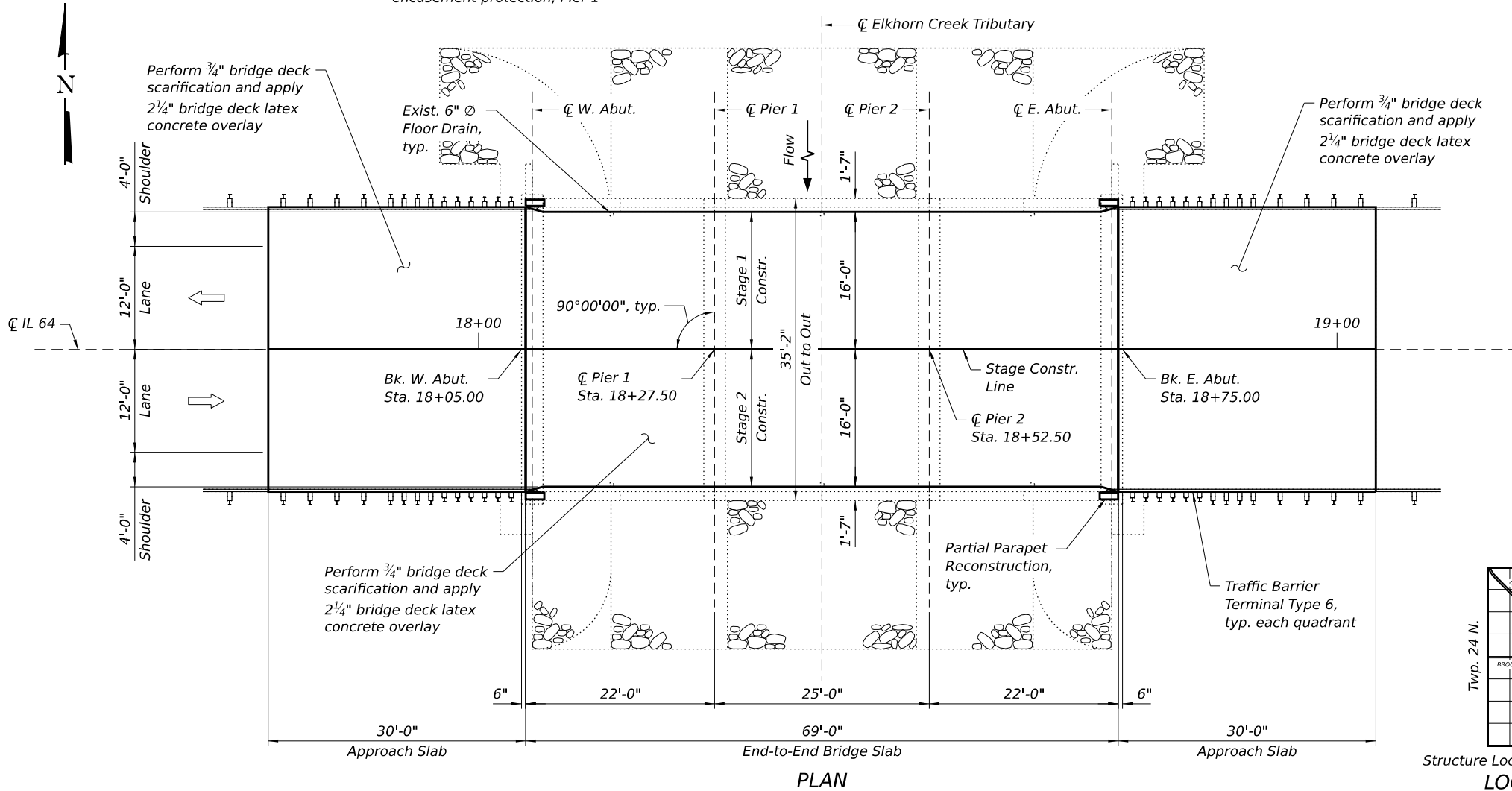
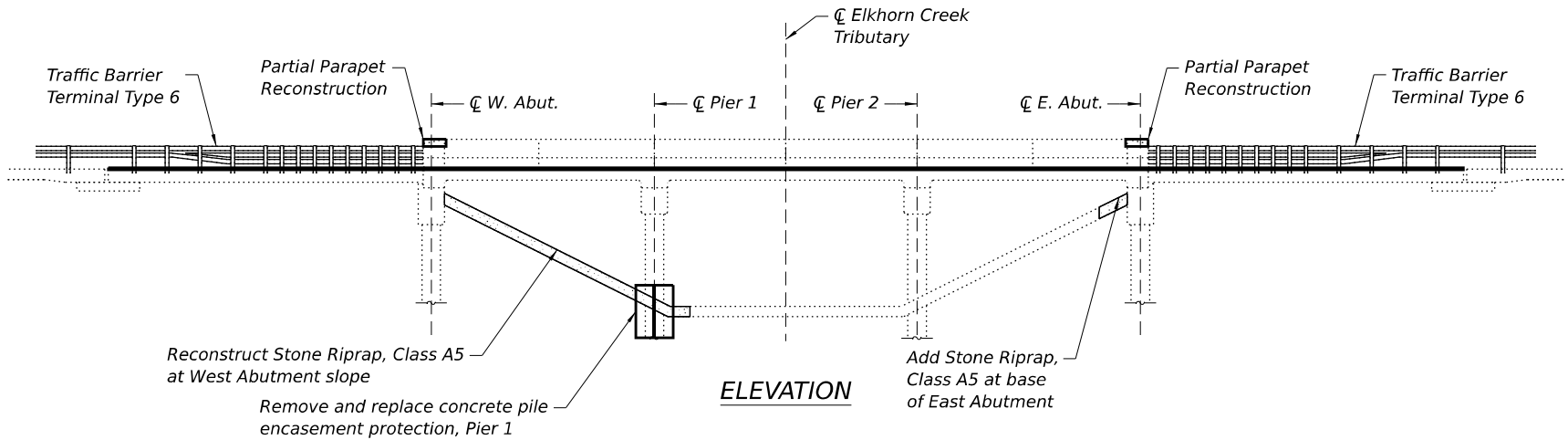
EXISTING DESIGN STRESSES

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

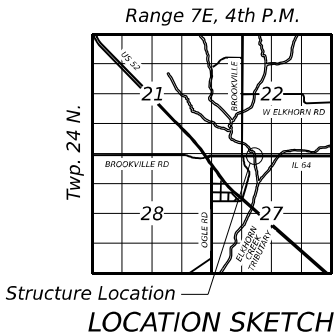
PROPOSED DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi (Substructure)
 $f'_c = 4,000$ psi (Superstructure)
 $f_y = 60,000$ psi (Reinforcement)

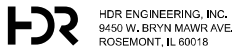


Signed: Brad H. Sayers
Date: 6/20/2025
Expires: 11/30/2026
Sheets: Bridge Sheets 1 to 12 of 12



GENERAL PLAN AND ELEVATION
IL 64 OVER ELKHORN CREEK TRIBUTARY
F.A.P. ROUTE 17
SEC. (101BR-2)BDR
OGLE COUNTY
STATION 18+40.00
STRUCTURE NO. 071-0082

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	CHECKED - BHS	REVISED -
PLOT SCALE =	DRAWN - AMN	REVISED -
PLOT DATE = 6/25/2025	CHECKED - BHS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 071-0082

SHEET 1 OF 12 SHEETS

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	17
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1.

Reinforcement bars designated (E) shall be epoxy coated.
2.

Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the Contractor's expense.
4.

Protective Coat shall be applied to the top and inside surface of new concrete at parapets and concrete overlay per Section 503.19 of the Standard Specifications. The Contractor shall take appropriate measures to assure the Protective Coat is not applied to the floor drains.
5.

The repairs in these plans were identified from a visual inspection in June 2025. The Contractor shall verify areas for repair and the associated quantities in the field, which shall be confirmed by the Engineer prior to the start of work.
6.

The Engineer shall show actual location and size of deck repairs on As-Built Plans.
7.

Stage 1 deck scarification shall take place prior to bridge slab removals as required for Deck Slab Repairs (Full Depth). A steel road plate shall be provided over the open bridge slab removal located at the centerline of IL 64. The provided steel plates must be sufficient to span the slab removal opening with a minimum overlap of 12 inches beyond the removal. The Contractor shall secure the steel road plates without damaging the existing bridge deck. Cost of steel road plate is included with Deck Slab Repair (Full Depth).

INDEX OF SHEETS

- 1

General Plan & Elevation
- 2

General Notes, Index of Sheets & Total Bill of Materials
- 3

Stage Construction
- 4

Temporary Concrete Barrier for Stage Construction
- 5

Deck And Approach Slab Repairs (1 of 2)
- 6

Deck And Approach Slab Repairs (2 of 2)
- 7

Parapet Modification
- 8

Pier 1 Repairs
- 9

Existing Bridge Plans (For Reference Only)
- 10

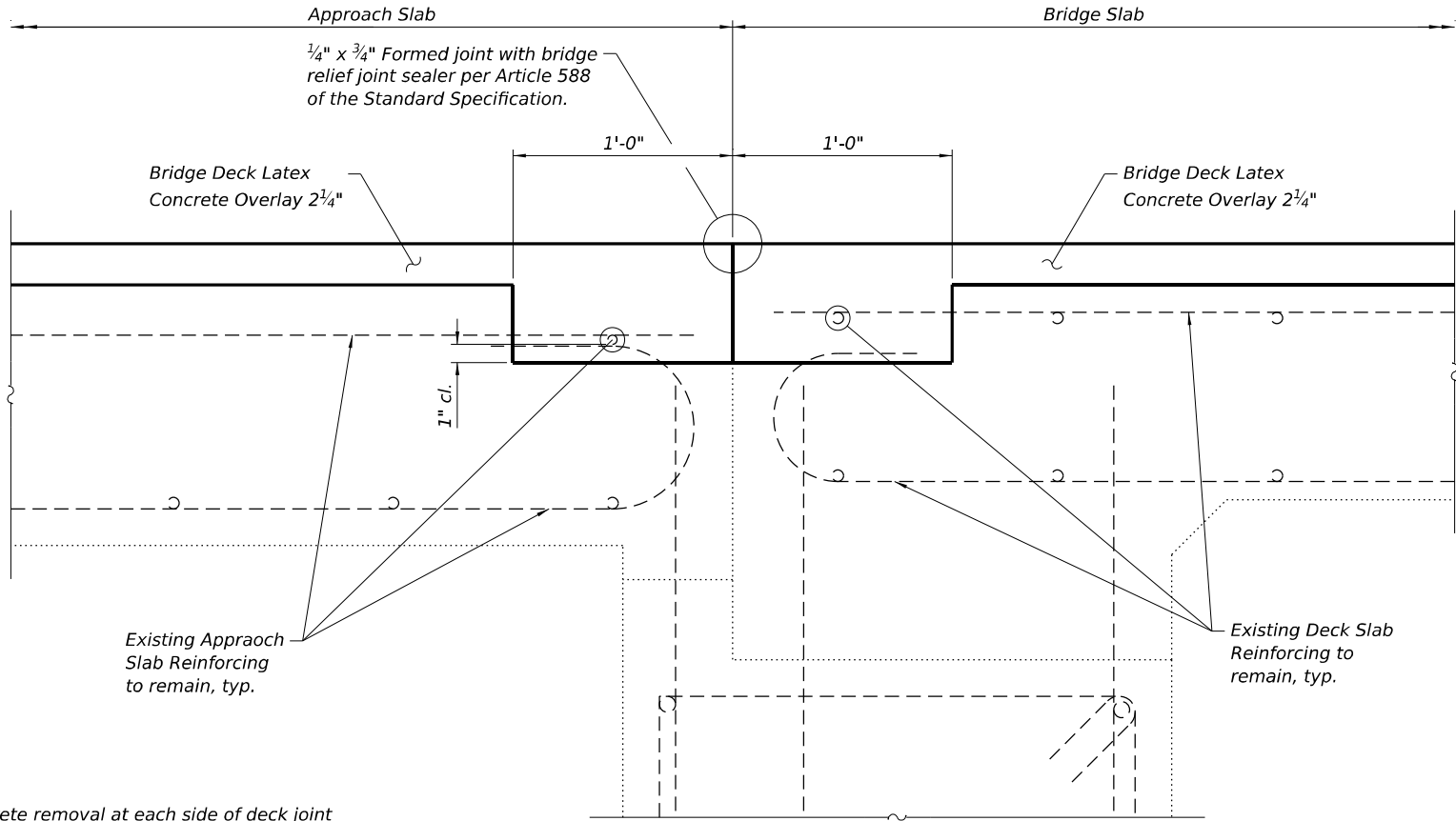
Existing Bridge Plans (For Reference Only)
- 11

Existing Bridge Plans (For Reference Only)
- 12

Existing Bridge Plans (For Reference Only)

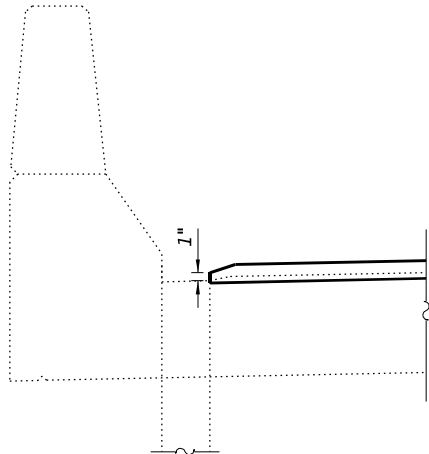
TOTAL BILL OF MATERIAL

Item	Unit	Total
Stone Riprap, Class A5	Sq Yd	265
Concrete Removal	Cu Yd	2.6
Concrete Structures	Cu Yd	2.4
Concrete Superstructure	Cu Yd	0.2
Bridge Deck Grooving	Sq Yd	430
Protective Coat	Sq Yd	467
Reinforcement Bars, Epoxy Coated	Pound	220
Approach Slab Repair (Full Depth)	Sq Yd	3
Approach Slab Repair (Partial Depth)	Sq Yd	4
Bridge Deck Latex Concrete Overlay, 2 1/4 Inches	Sq Yd	468
Bridge Deck Scarification 3/4"	Sq Yd	468
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)	Sq Ft	3
Deck Slab Repair (Full Depth, Type II)	Sq Yd	69

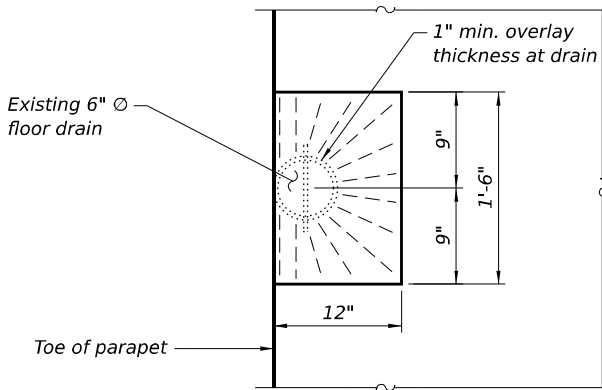


Note: Concrete removal at each side of deck joint included with Bridge Deck Scarification.

DECK JOINT DETAIL



SECTION AT DRAINS



OVERLAY TREATMENT AT DRAINS

(6 drains total)

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HDR ENGINEERING, INC.
9450 W. BRYN MAWR AVE.
ROSEMONT, IL 60018

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PLOT DATE = 6/25/2025	CHECKED - BHS	REVISED -

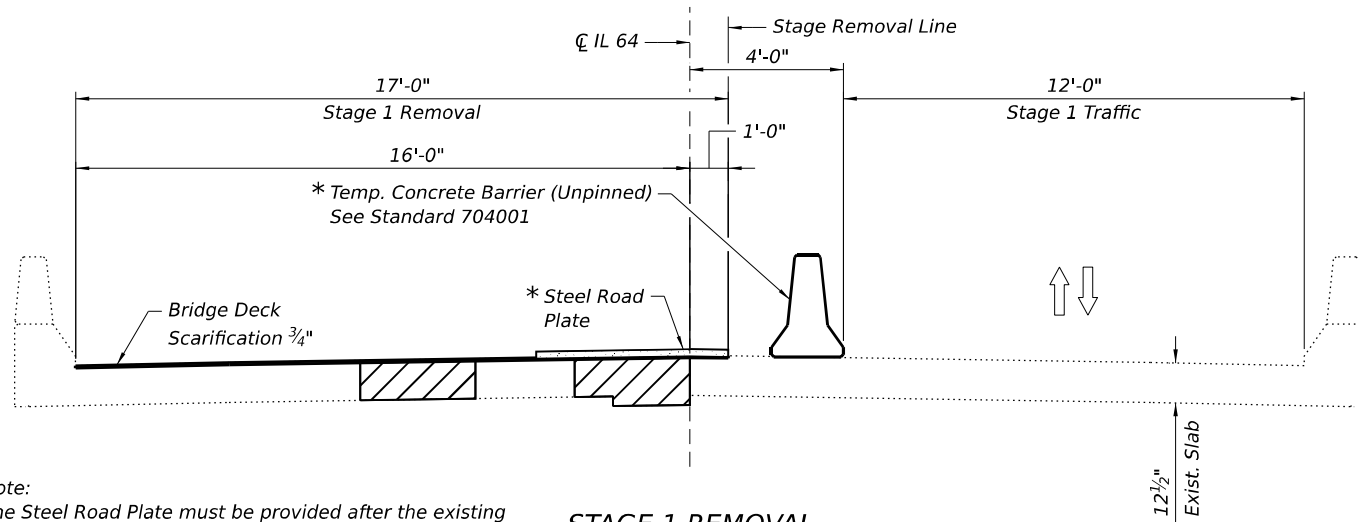
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS & TOTAL BILL OF MATERIALS
STRUCTURE NO. 071-0082

SHEET 2 OF 12 SHEETS

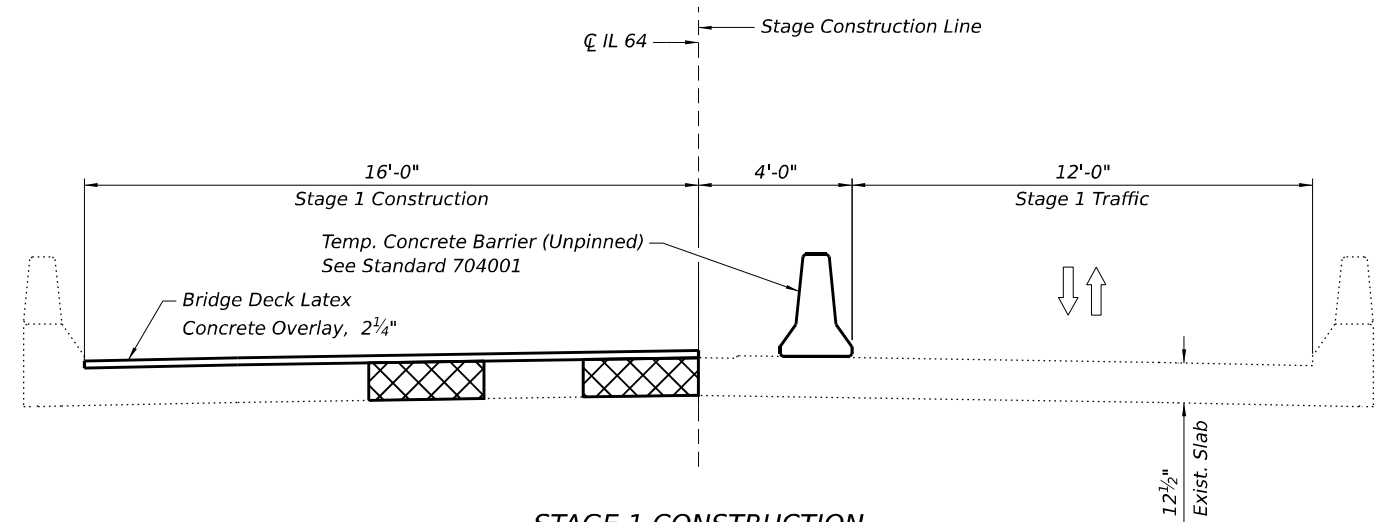
F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	18
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

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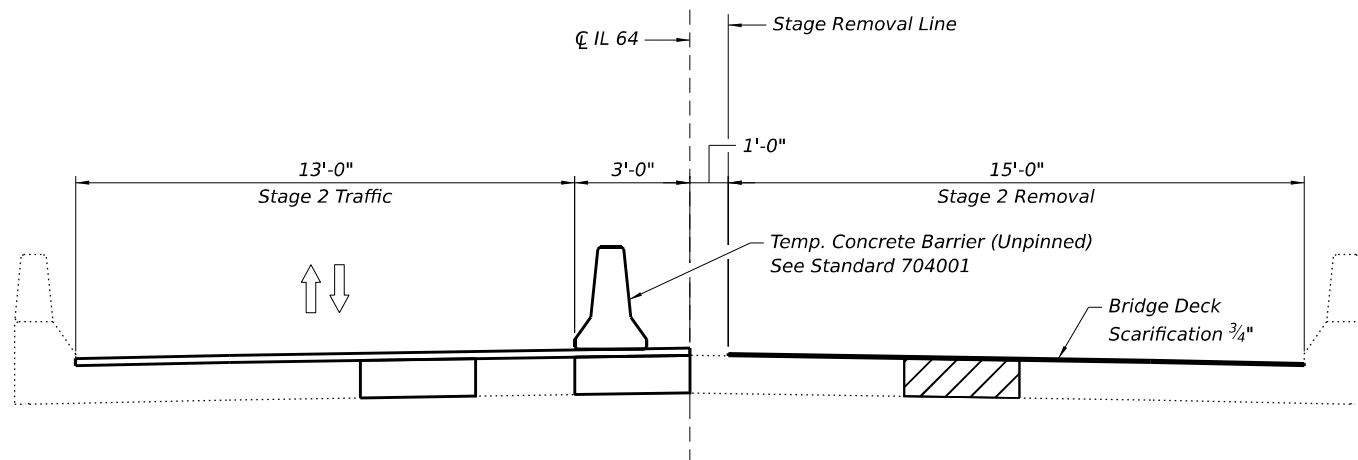


* Note:
The Steel Road Plate must be provided after the existing bridge slab concrete has been removed for the Deck Slab Repair (Full Depth) to avoid a drop off condition behind the Temporary Concrete Barrier. The Contractor shall secure the steel road plates without damaging the existing bridge deck.

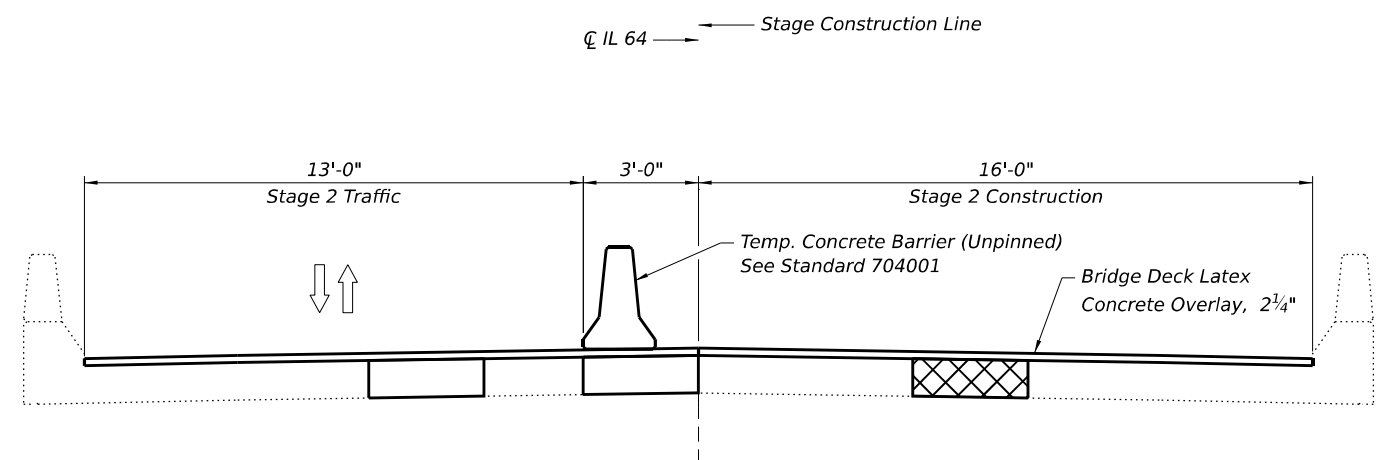
STAGE 1 REMOVAL
(Looking East)



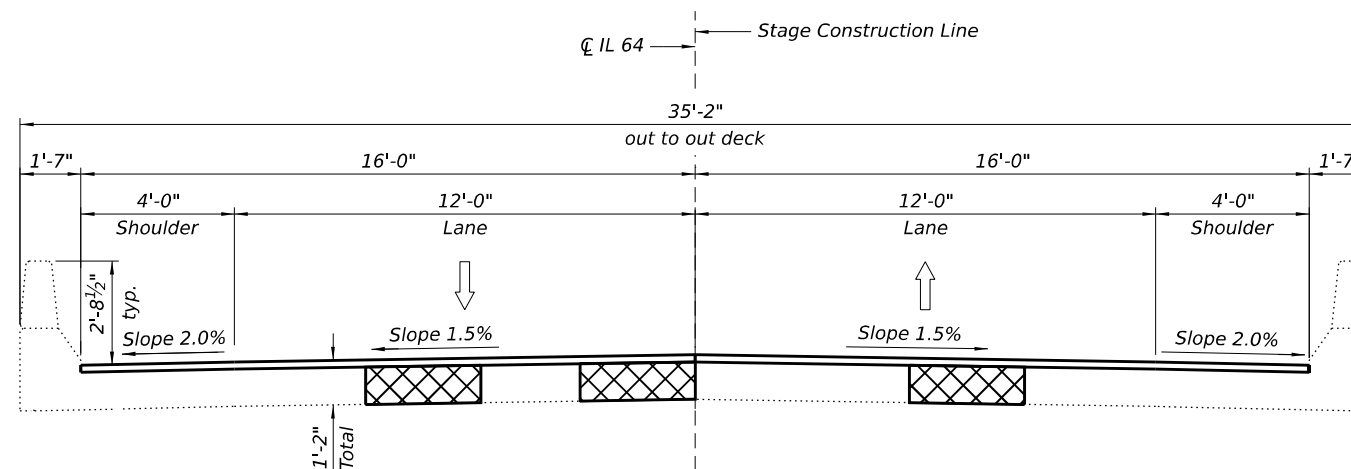
STAGE 1 CONSTRUCTION
(Looking East)



STAGE 2 REMOVAL
(Looking East)



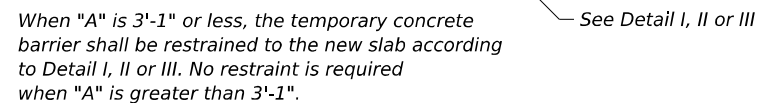
STAGE 2 CONSTRUCTION
(Looking East)



CROSS-SECTION
(Looking East)

LEGEND

- Full depth deck slab removal
- Deck Slab Repair (Full Depth)



Drill 3-1 $\frac{1}{4}$ " Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

Technical drawing showing a stage removal line. The drawing includes a trapezoidal shape with a dashed line indicating a hidden edge. Dimensions are provided: a horizontal distance of 1'-10 1/2" from the left edge to the right edge, a vertical distance of 6" min. from the top edge to the bottom edge, and a vertical distance of 3" from the bottom edge to the base. A label 'Stage removal line' points to the top edge of the trapezoid.

* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

1x8 UNC

$\frac{1}{4}$ "

1"

$\frac{1}{2}$ "

$\frac{7}{16}$ " Ø hole

US Std. $1\frac{1}{16}$ " I.D. x $2\frac{1}{2}$ " O.D.
x approx. 8 gauge thick washer

1" Ø pin

Varies (see notes)

"4" x 3½" x "W" wood blocks

1" x 8" x "W"

3½"

Top Bar Splicers

2-5/8" Ø Bolts with washers

Bar splicers for Tempora

The diagram illustrates the cross-section of a temporary concrete barrier. A large, trapezoidal concrete structure is shown. At its base, a horizontal layer is labeled "Concrete wearing surface". Below this, a layer of "Bar splicers and additional splicers for Temporary Concrete Barrier" is indicated. To the right of the main structure, a vertical section is labeled "A" x 3 1/2" x 10" wood blocks". Below this, a horizontal section is labeled "1" x 8" x 10". A vertical dimension line indicates a height of "± 3 1/2"". At the bottom right, a label points to "2-1/2" Ø Bolts with washers". A horizontal dimension line at the bottom is labeled "W".

Bar splicers and additional splicers
for Temporary Concrete Barrier

Technical drawing of a bridge deck cross-section showing the connection between a concrete deck and a steel girder. The drawing includes labels for 'HMA wearing surface', 'Wood blocks sized for exposed height and width of retainer', '1" x "H" x 10"', '±3 1/2"', '1 3/4"', and '2-1/2" Ø Bolts with washers'. A note on the right says 'Not to scale'.

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate $\frac{1}{4}$ 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.

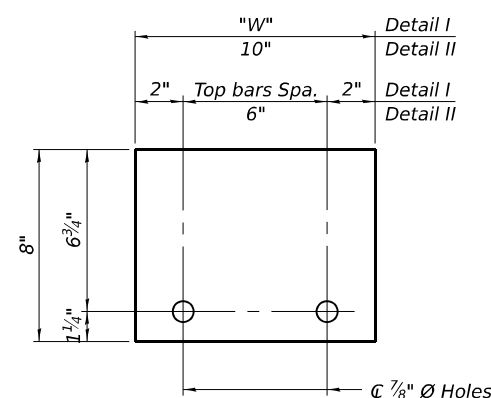
When the 'A' dimension is less than $1\frac{1}{2}$ ", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate.

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.



Technical drawing of a rectangular plate with the following specifications:

- Overall Dimensions:** 10" wide by 10 1/2" high.
- Internal Spacing:** 2" from each side to the center of the holes.
- Hole Dimensions:** 7/8" diameter holes.
- Material/Finish:** 5 3/4" + WS (likely indicating a 5 3/4" thick plate with a weld surface).
- Mounting:** 1 1/4" mounting flange.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27

5-15-2023

USER NAME =	DESIGNED - AMN	REVISED -
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PLOT DATE = 6/25/2025	CHECKED - BHS	REVISED -

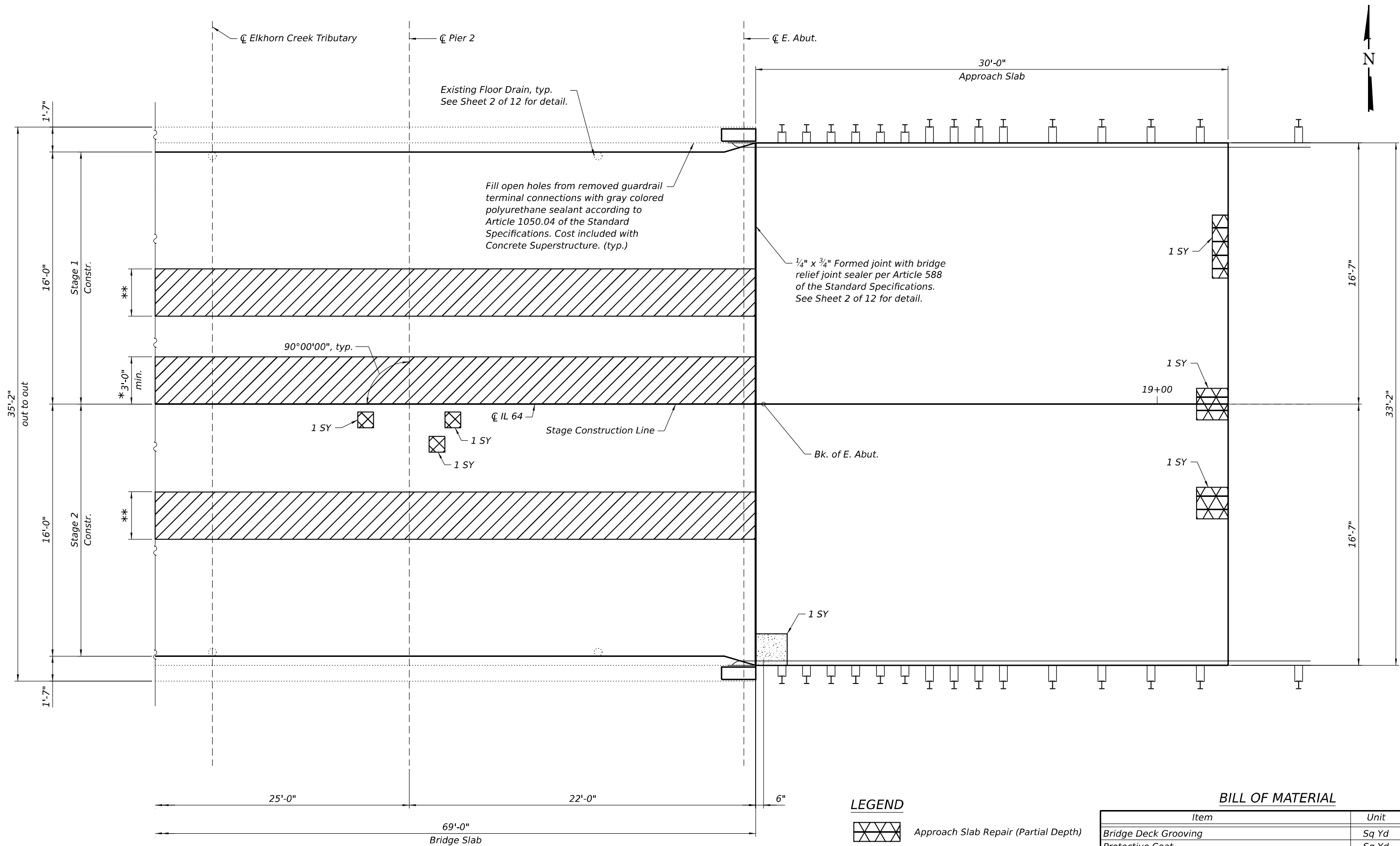
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 071-0082

SHEET 4 OF 12 SHEETS

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	20
		CONTRACT NO. 64T05		
	ILLINOIS	FEED AID PROJECT		

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* Minimum 3'-0" width as measured from CL IL 64 width at Deck Slab Repair
** Minimum width as determined by the Engineer

DECK PARTIAL PLAN

LEGEND

- Approach Slab Repair (Partial Depth)
- Approach Slab Repair (Full Depth)
- Deck Slab Repair (Partial) (For Information Only)
- Deck Slab Repair (Full Depth)

BILL OF MATERIAL

Item	Unit	Total
Bridge Deck Grooving	Sq Yd	430
Protective Coat	Sq Yd	466
Approach Slab Repair (Full Depth)	Each	3
Approach Slab Repair (Partial Depth)	Sq Yd	4
Bridge Deck Latex Concrete Overlay, 2 1/4 Inches	Sq Yd	468
Bridge Deck Scarification 3/4"	Sq Yd	468
Deck Slab Repair (Full Depth, Type II)	Sq Yd	69



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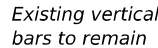
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PLOT DATE = 6/25/2025	CHECKED - BHS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK AND APPROACH SLAB REPAIRS (2 OF 2)
STRUCTURE NO. 071-0082

SHEET 6 OF 12 SHEETS

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	22
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				



EXISTING ELEVATION

NOTES

All edges shall have standard $\frac{3}{4}$ " chamfers.

Parapet Modification shown is typical at each quadrant of bridge (Total = 4 Locations).



PROPOSED ELEVATION



PLAN VIEW OF PARAPET END



GUARDRAIL LOCATION

Traffic Barrier Terminal Type 6



- Existing ground line



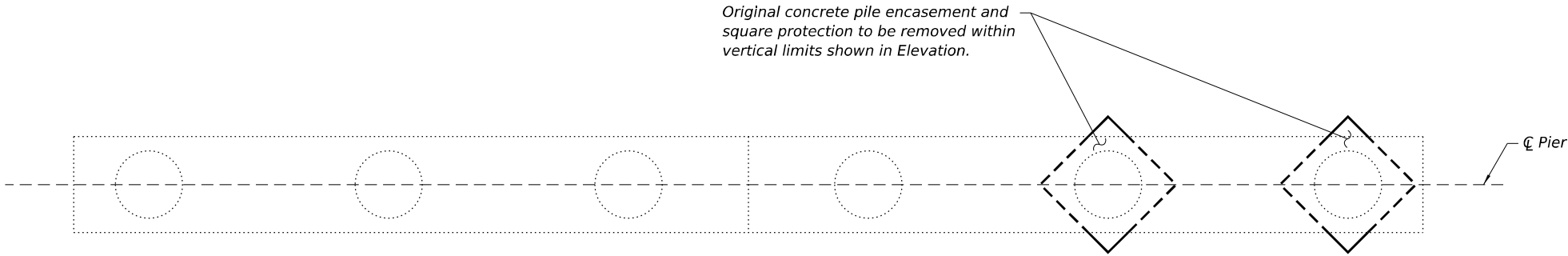
* Epoxy grout v1(E) and h1(E) bars in 9" min. holes according to Article 584 of Standard Specifications. Cost included with Concrete Superstructure.

BILL OF MATERIAL

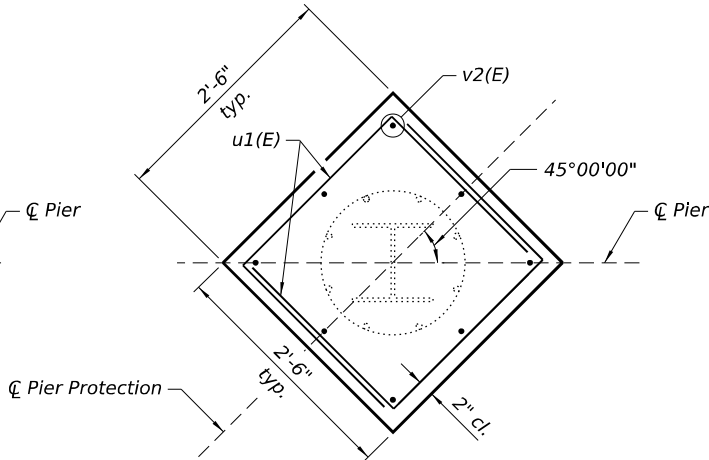
(Total for 4 Locations)

<i>Bar</i>	<i>No.</i>	<i>Size</i>	<i>Length</i>	<i>Shape</i>
v1(E)	24	#5	1'-9"	
h1(E)	8	#5	2'-9"	
Concrete Removal			Cu Yd	0.2
Concrete Superstructure			Cu Yd	0.2
Reinforcement Bars, Epoxy Coated			Pound	70
Protective Coat			Sq Yd	1

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PLAN



DETAIL B
(2 locations)

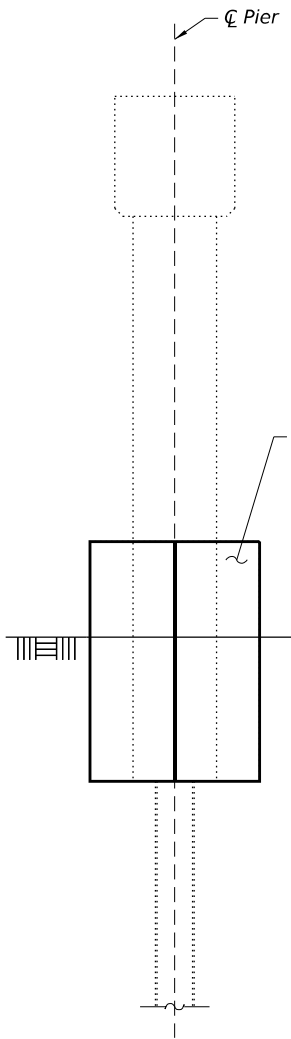
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
u1(E)	24	#4	6'-2"	
v2(E)	16	#4	4'-9"	
Concrete Removal			Cu Yd	2.4
Concrete Structure			Cu Yd	2.4
Reinforcement Bars, Epoxy Coated			Pound	150
Structural Repair of Concrete (Depth Equal To or Less Than 5 Inches)			Sq Ft	3

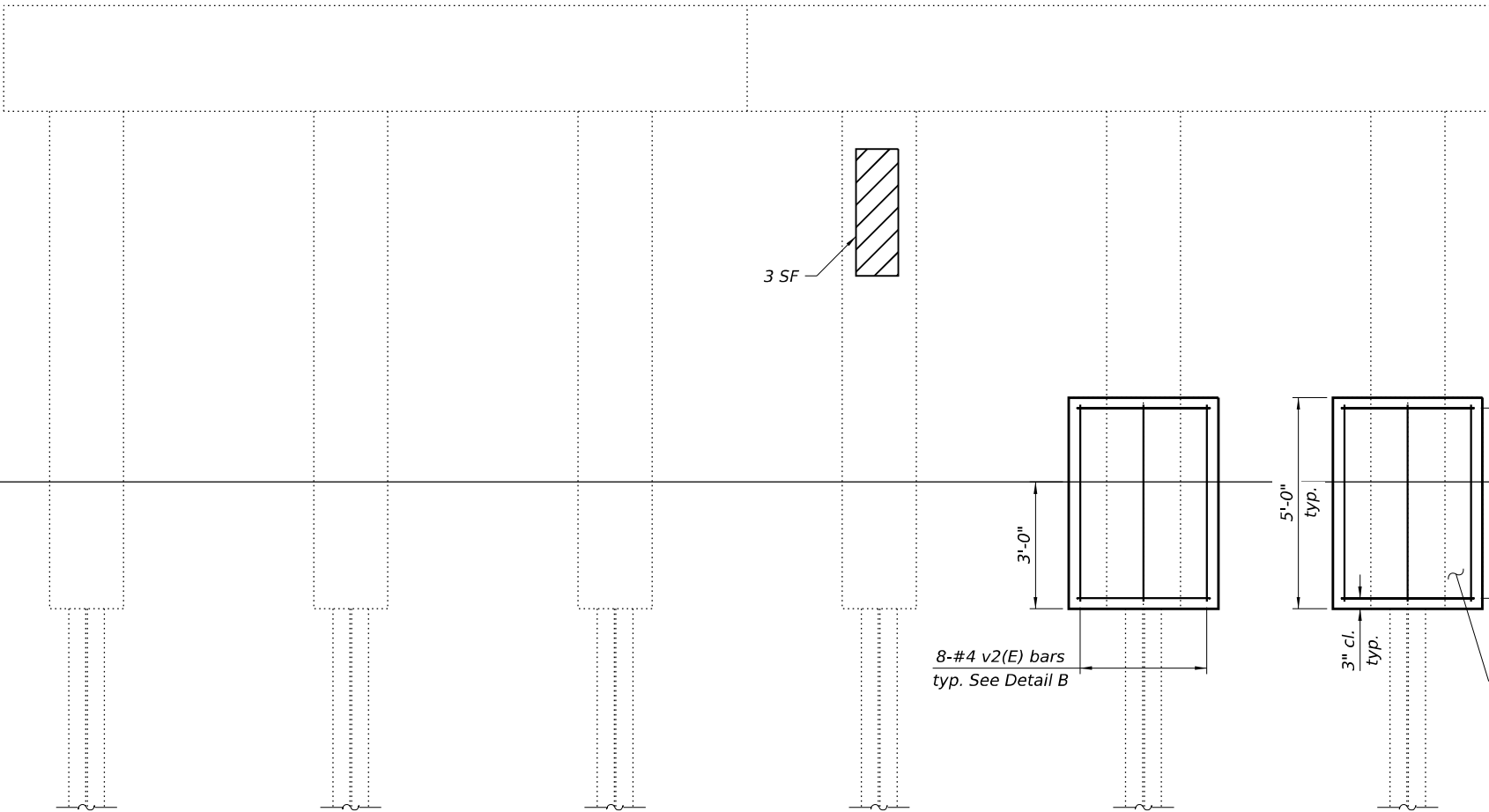
LEGEND



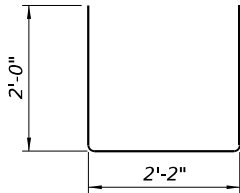
Structural Repair of Concrete
(Depth equal to or less than 5 inches)



SECTION A-A



ELEVATION
(Looking West)



BAR u1(E)

Notes:
C Pier Protection blocks are oriented 45° from C Pier or as directed by Engineer. See Detail B.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1 REPAIRS
STRUCTURE NO. 071-0082

SHEET 8 OF 12 SHEETS

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	24
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

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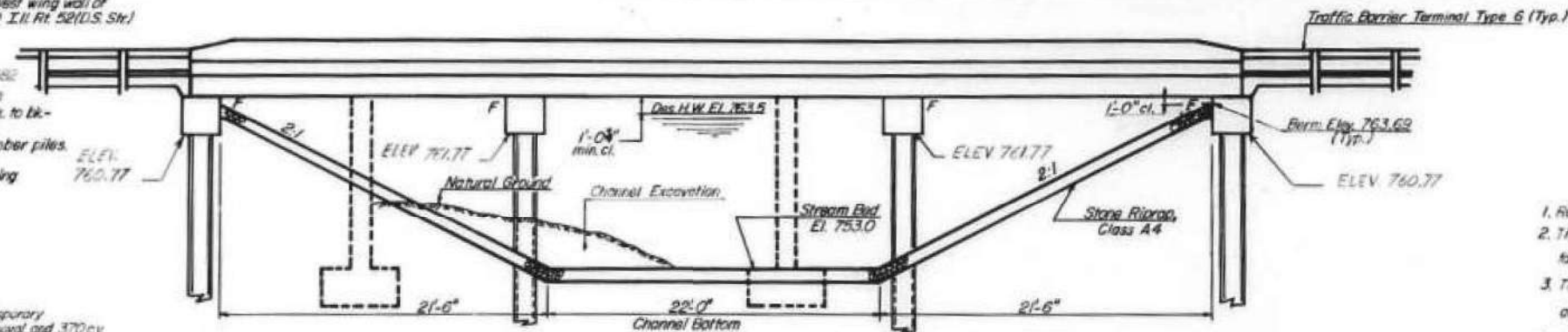
BM Bronze tablet cast in South West wing wall of
Str. No. 071-0070 Sta 97+50 ILL. Rt. 52 (U.S. Str.)
Elev. 767.58

Existing Structure: Str. No. 071-0082
Super-23" slab single span with
4" F.C.C. wearing surface. 32' bk. to bk-
43'-0" out to cut.
Subst.-Closed R.C. Abuts. on timber piles.

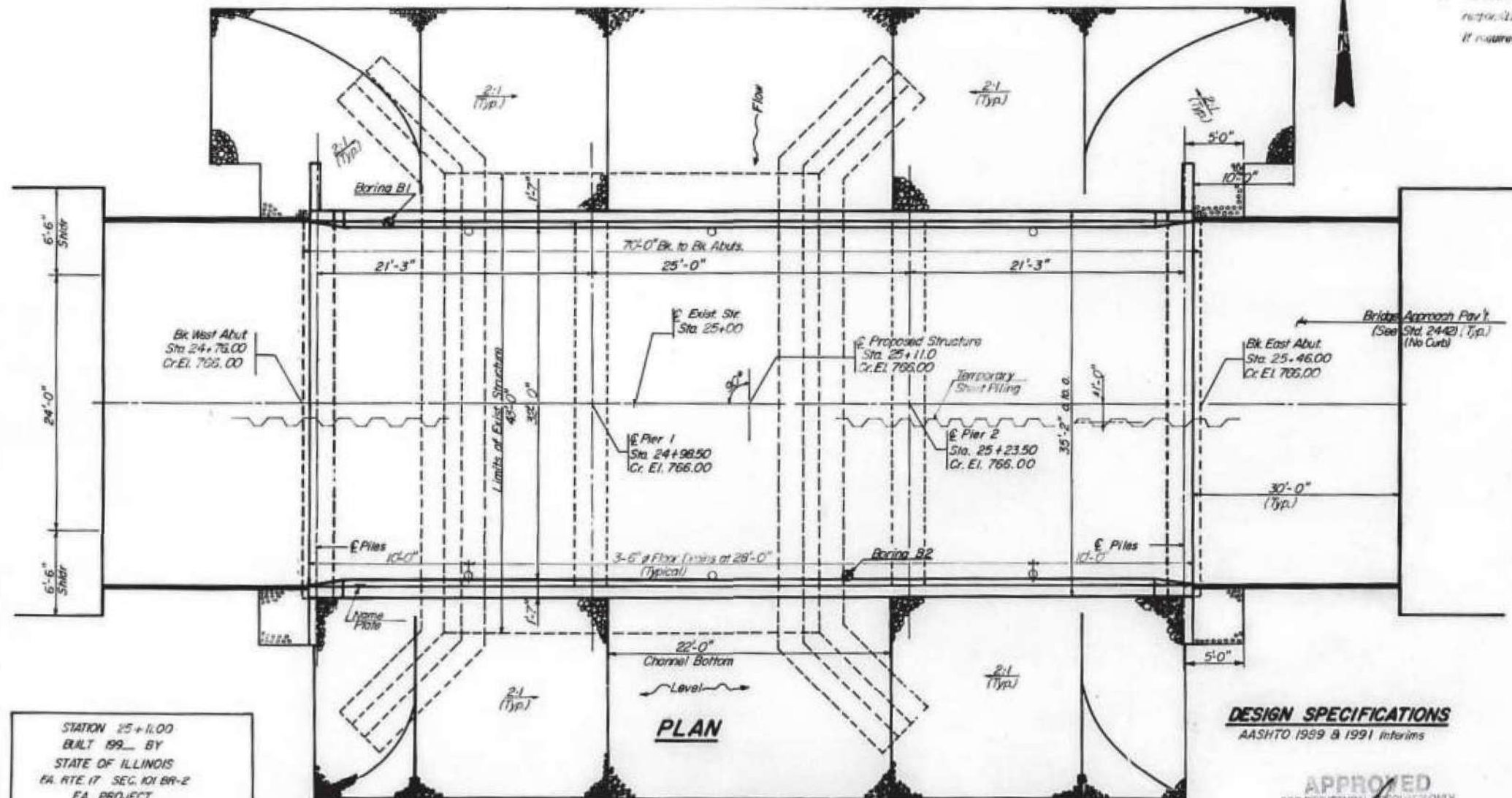
Traffic to be maintained utilizing
stage construction.

No Salvage

Note: For bridge approach items, temporary
concrete barrier, pavement removal and 370 cu.
earth excavation behind existing abutment,
see Roadway Plans.



ELEVATION



PLAN

WATERWAY INFORMATION

Drainage Area = 3.7m ² Low Grade Elev 765.3 at Station 27+00									
Flood	Freq.	Q	Opening Sq. Ft.		Nat.	Head - Ft.		Headwater El.	
	Yr.	G.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
Design	50	1610	236	421	763.5	1.0	0.9	764.5	764.4
Base	100	1860	239	446	763.9	1.4	0.9	765.3	764.8
Overtopping	500	2450	239	469	764.7	1.4	0.9	766.1	765.6
Max. Calc.	500								



LOADING HS-20
Allow 250/Sq. Ft. for future wearing surface
Design Speed = 55mph

STATION 25+11.00
BUILT 199 BY
STATE OF ILLINOIS
FA. RTE 17 SEC. 101 BR-2
FA. PROJECT
LOADING HS-20
S.N. 071-0082
LETTERING FOR NAME PLATE
See Standard 213

SANDOVAL ENGINEERS, INC.

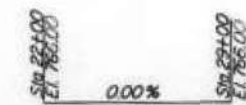
1. Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.
2. The Contractor shall make allowance for the deflection of forms, shrinkage, and settlement of formwork, in addition to the allowance for dead load deflection.
3. The Contractor shall drive two steel test piles in permanent locations, one at the West Abutment and one at Pier 2, as directed by the Engineer, before ordering the remainder of piles.
4. The Contractor shall remove the existing structure in accordance with section 501 of the Standard Specifications.
5. Shoring may be varied to fit field soil ground conditions as directed by the Engineer.
6. The information shown for the temporary sheet piling is estimated. It is the Contractor's responsibility to provide a design of the temporary sheet piling and associated members, if required, subject to the approval of the Engineer.

TOTAL BILL OF MATERIAL

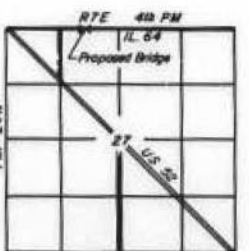
ITEM	UNIT	SUPER.	SUBSTR.	TOTAL
Class X Concrete, Encasement	Cu Yds	—	15.8	15.8
Class X Concrete, Superstructure	Cu Yds	111.2	—	111.2
Class X Concrete	Cu Yds	—	42.4	42.4
Reinforcement Bars, Epoxy Coated	Lbs	26,100	3740	29,840
Structure Excavation	Cu Yds	—	104.3	104.3
Removal of Existing Structure	Each	—	—	1
Floor Drains	Each	6	—	6
Name Plates	Each	1	—	1
Furnishing Steel Piles HP 10x42	Lin Ft	—	1019	1019
Driving Steel Piles	Lin Ft	—	1019	1019
Test Pile Steel HP 10x42	Each	—	2	2
Channel Excavation	Cu Yds	—	82	82
Temporary Sheet Piling	Sq Ft	—	680	680
Protective Coat*	Sq Yds	178.9	—	178.9
Stone Riprap, Class A4	Sq Yds	—	495	495
Filter Fabric for use with riprap	Sq Yds	—	495	495
Temporary Support System	L Sbm	—	1	1
Bridge Deck Grooving	Sq Yds	249	—	249

*Quantity includes Deck Surface.

PROFILE GRADE

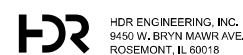


DESIGN STRESSES
FIELD UNITS
F_a = 3,900 psi
f_y = 60,000 psi (Reinf.)



LOCATION SKETCH

GENERAL PLAN & ELEVATION
FA ROUTE 17 (IL 64)
OVER
ELKHORN CREEK TRIBUTARY
SECTION 101 BR-2
STA. 25+11.00
OGLE COUNTY
STRUCTURE NO 071-0082



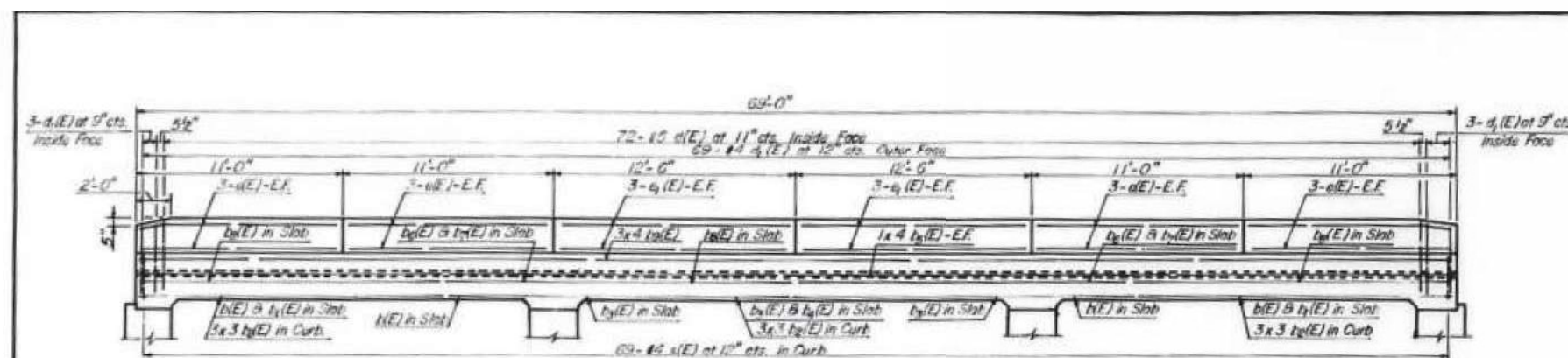
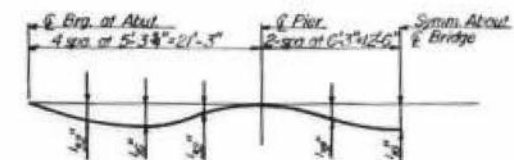
USER NAME =	DESIGNED - AMN	REVISED -
PLOT SCALE =	CHECKED - BHS	REVISED -
PLOT DATE = 6/25/2025	DRAWN - AMN	REVISED -
	CHECKED - BHS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (FOR REFERENCE ONLY)
STRUCTURE NO. 071-0082

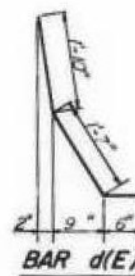
SHEET 9 OF 12 SHEETS

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	25
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

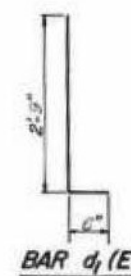
ELEVATION

DEFLECTION DIAGRAM

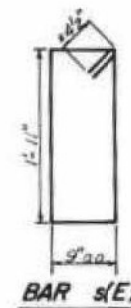
$b_b(E) \oplus b_p(E)$	3'-5"
$b_b(E) \oplus b_g(E)$	2'-2"
$b_b(E)$	4'-6"



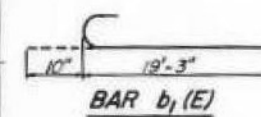
BAR



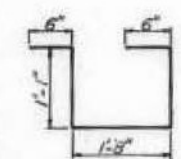
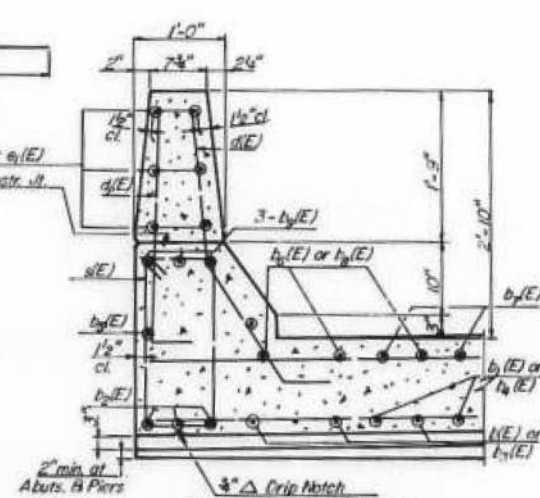
BAR $d_i(E)$



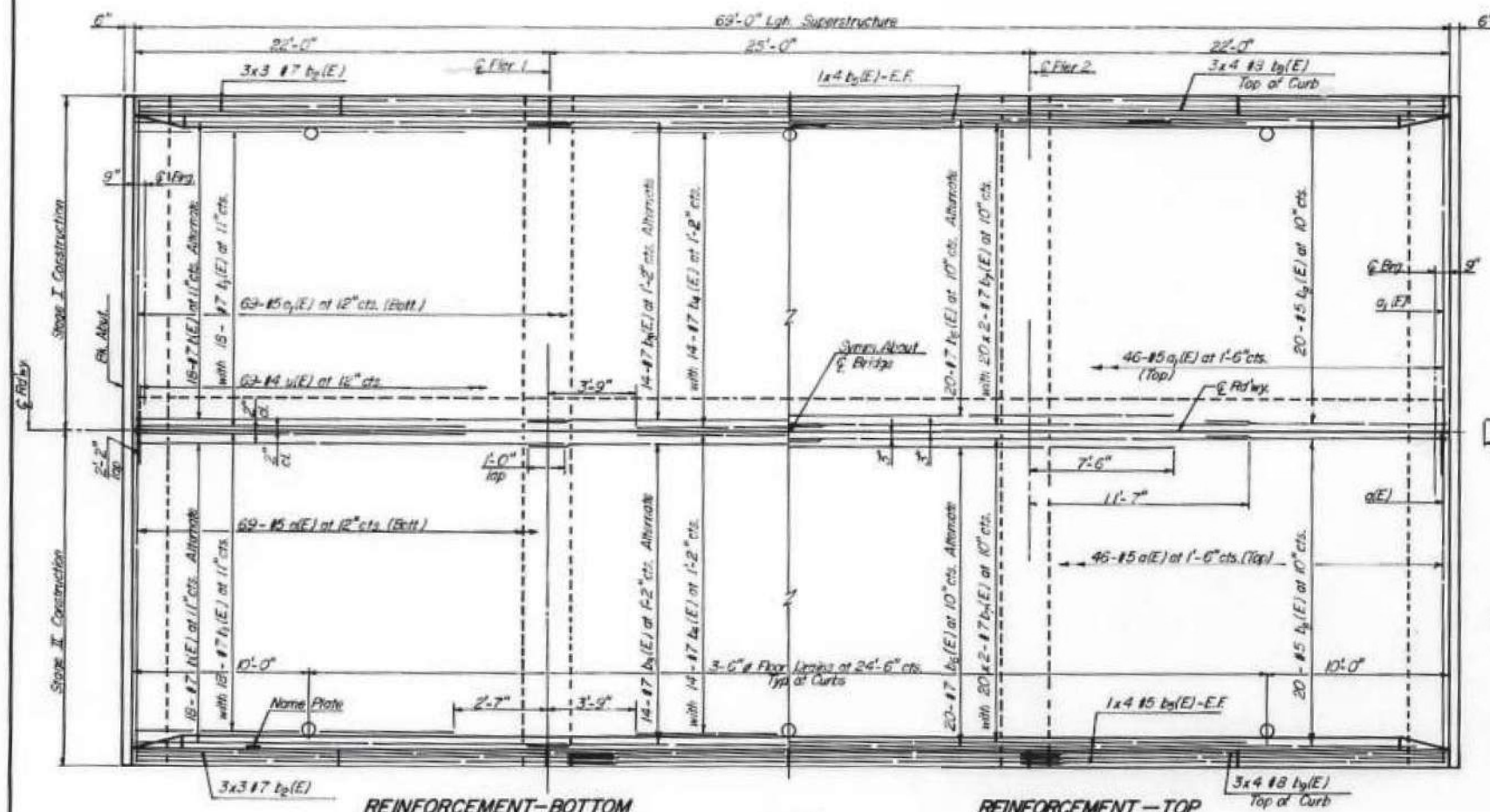
BAR $s(E)$



BAR $b_1(E)$


$$\text{BAR } u(E)$$


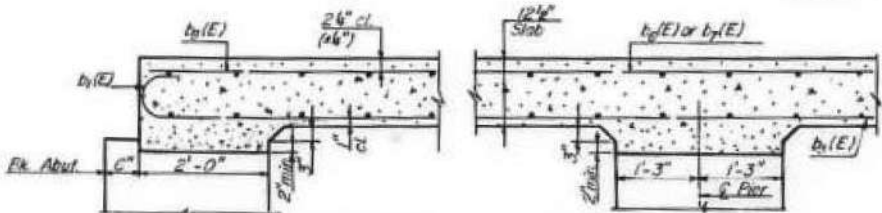
SECTION AT CURBS



REINFORCEMENT-BOTTOM

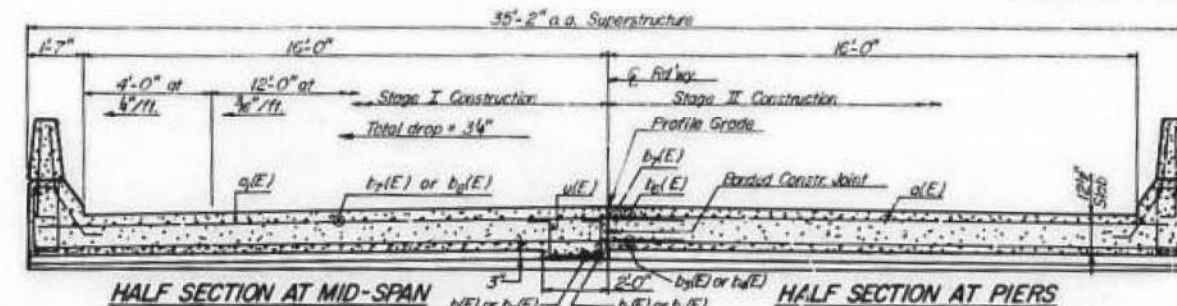
PLAN

REINFORCEMENT — TOP



SECTION AT ABUTMENTS

SECTION AT PIERS



HALF SECTION AT MID-SPAN

^(E) HALF SECTION AT PIERS

CROSS-SECTION
Looking Up - Station

ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
FA 17	1018R2	OGLE	19	11
STA.		TO STA.		
FED ROAD DIST NO.	ILLINOIS	PROJECT		

Br. Sh. 13 of 2.

BILL OF MATERIAL
SUPERSTRUCTURE

Bar	No.	Size	Length	Shape
a(E)	115	#5	17'-4"	—
a ₁ (E)	115	#5	19'-3"	—
b(E)	72	#7	22'-4"	—
b ₁ (E)	72	#7	20'-1"	C
b ₂ (E)	18	#7	25'-3"	—
b ₃ (E)	28	#7	25'-0"	—
b ₄ (E)	28	#7	17'-5"	—
b ₅ (E)	10	#5	19'-0"	—
b ₆ (E)	40	#7	40'-0"	—
b ₇ (E)	80	#7	25'-10"	—
b ₈ (E)	80	#5	12'-5"	—
b ₉ (E)	24	#6	20'-9"	—
c(E)	144	#5	3'-11"	L
c ₁ (E)	150	#4	4'-3"	L
e(E)	48	#4	10'-9"	—
e ₁ (E)	24	#4	12'-3"	—
s(E)	138	#4	6'-1"	□
u(E)	69	#4	3'-9"	□

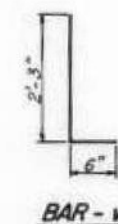
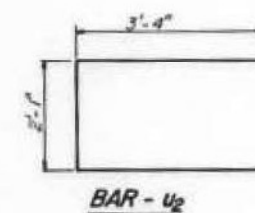
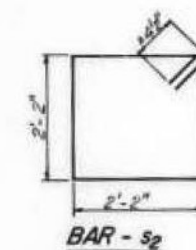
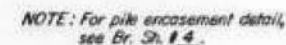
ITEM	UNIT	QUANTITY
Class X Concrete, Superstructure	Cu Yd	111.2
Reinforcement Bars, Epnry Coated	Lbs.	26,100
Floor Drains	Each	6
Protective Coat	Sq Yd	178.9
Name Plates	Each	1

NOTES:

- ① Reinforcement Bars designated (E) shall be epoxy coated.
- ② Bars designated thus (example) 3x 4-#8 indicates 3 lines of bars with 4 lengths per line.
- ③ For parapet joint and drain details, see Br. Sh. #6.
- ④ For slope construction details, see Br. Sh. #2.
- ⑤ Space (WE) series bars in field as required to miss floor drains.
- ⑥ all (E) bars lapped with a/E bars shall be tied with double the number of ties normally used.

SUPERSTRUCTURE DETAILS

FA ROUTE 17 (IL 64)
over
ELKHORN CREEK TRIBUTARY
SECTION 101 BR-2
STA. 25+11.00
OGLE COUNTY
STRUCTURE NO. 071-0082



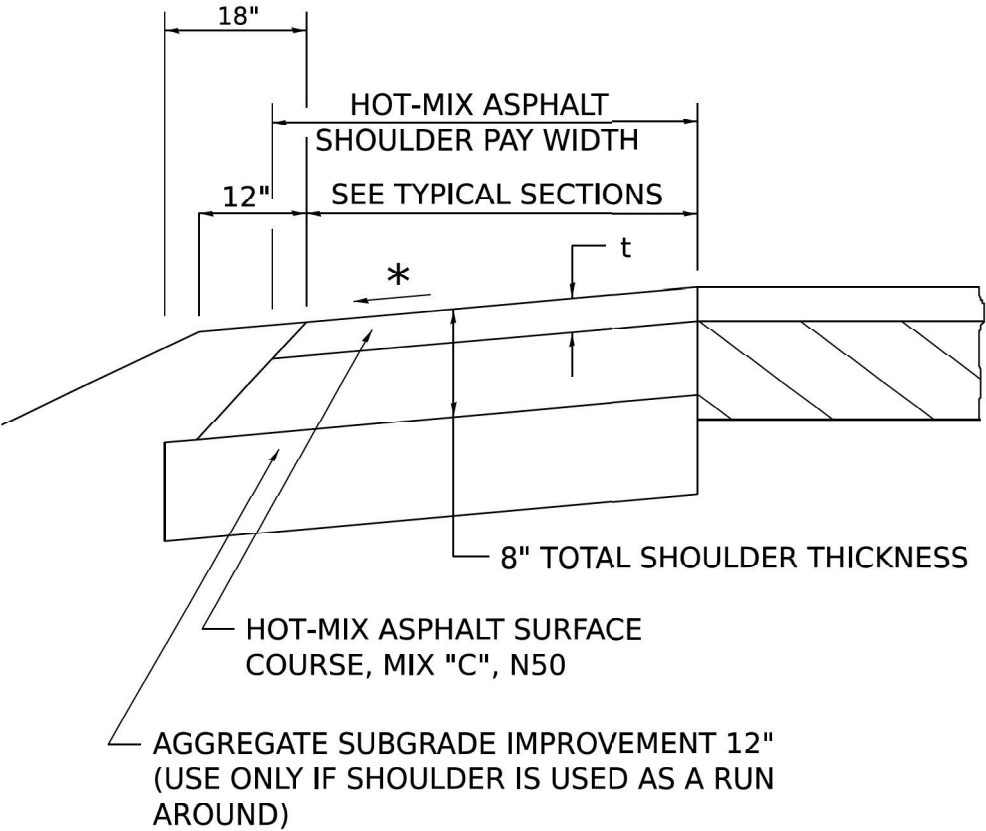
PILE DATA - TWO PIERS

Type - Steel	HP 10 x 42
Capacity	Drive to refusal
Estimated Length	46 ft
Number Required	12*

*Includes one Test Pile at Pier 2

PIER DETAILS
FA ROUTE 17 (IL 64)
over
ELKHORN CREEK TRIBUTARY
SECTION 101 BR-2
STA. 25+11.00
OGLE COUNTY
STRUCTURE NO. 071-00682

HOT-MIX ASPHALT SHOULDER



t = SEE TYPICAL SECTIONS
FOR THICKNESS

GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

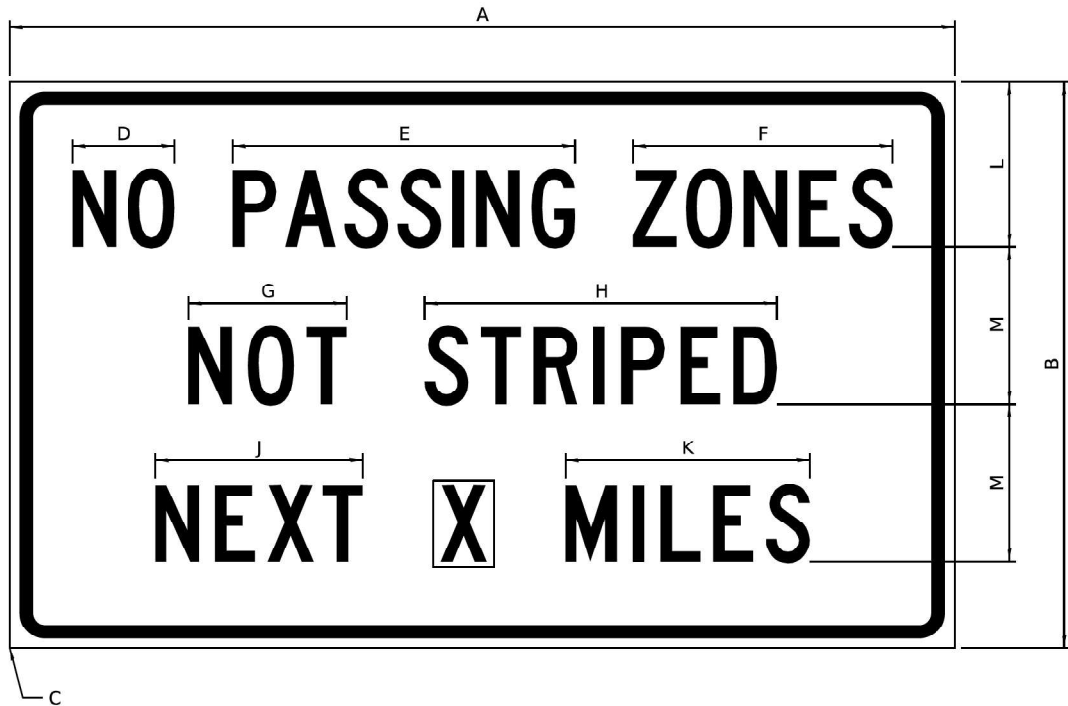
* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

MODEL: 22.4
FILE NAME: c:\pwworking\central\0145114159\264105-SH-Details.dgn

	USER NAME = MANDRUSHKO	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2/DISTRICT 2 STANDARD			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					17	(101BR-2)BDR	OGLE	37	29
		CHECKED -	REVISED -					CONTRACT NO. 64T05				
	PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -		SCALE:	SHEET	OF 9 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

GENERAL NOTES

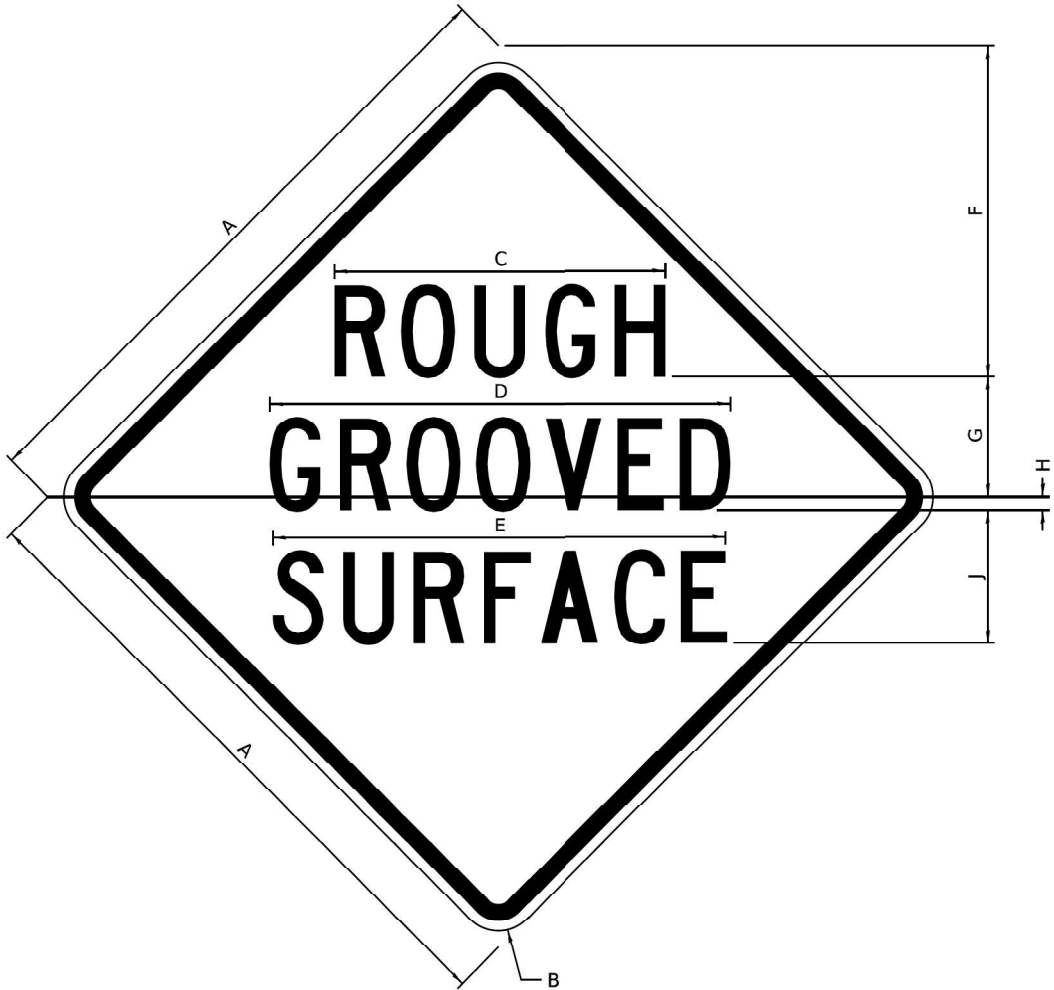
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

ILLINOIS STANDARD W8-I107



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

MODEL: 34.1.1
FILE NAME: c:\pwworking\central\0145114159\0264105-Sign-Details.dgn

USER NAME = MANDRUSHKO	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/16/2025	DATE = 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

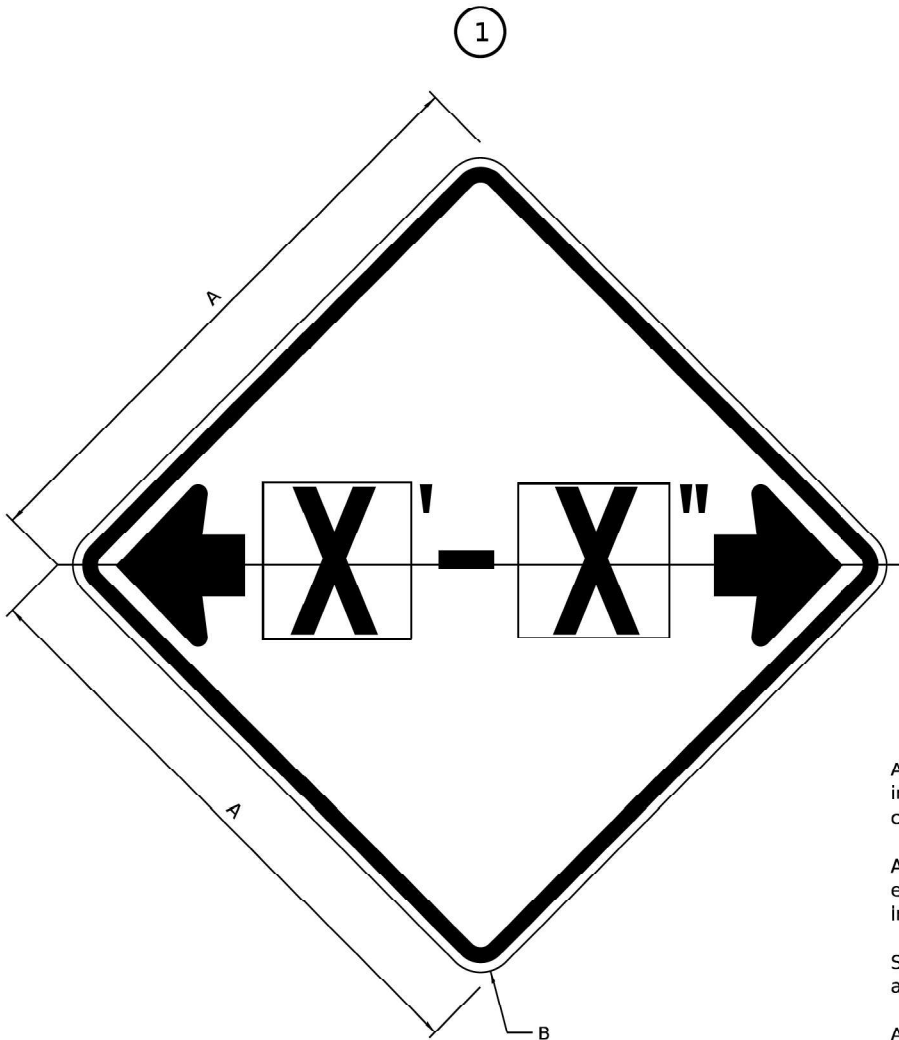
REGION 2/DISTRICT 2 STANDARD

SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	30
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

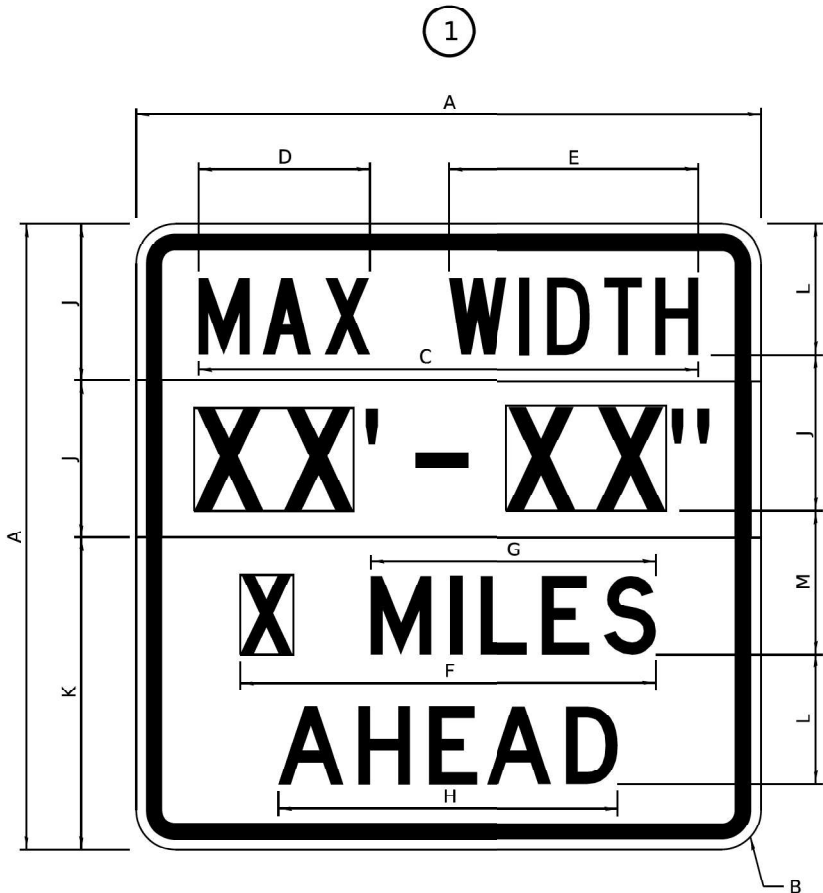
SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

1 Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

ILLINOIS STANDARD W12-I103



COLOR LEGEND AND BORDER BACKGROUND (WIDTH) BLACK WHITE FL ORANGE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

MODEL: 34.1.2
FILE NAME: c:\pwworking\central\0145114159\0264105-SH-Details.dgn

USER NAME = MANDRUSHKO	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2/DISTRICT 2 STANDARD

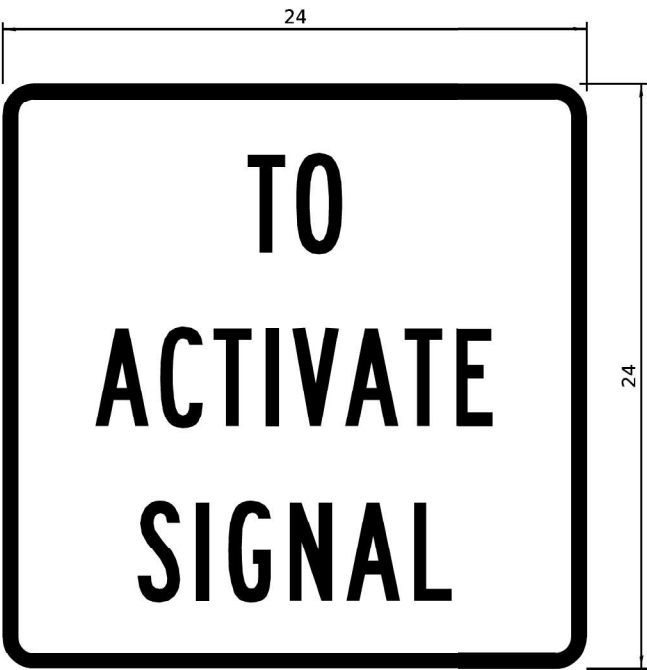
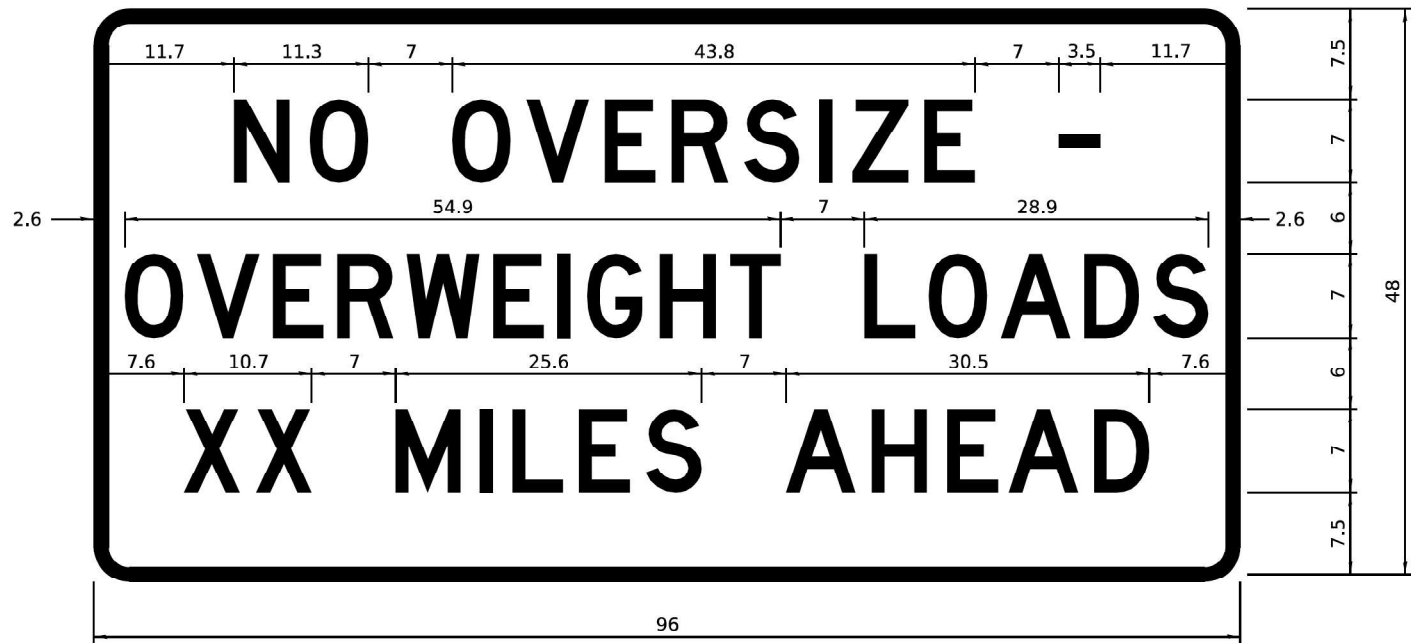
SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	31
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS

STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	--------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;
[NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
Table of letter and object lefts.

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	-------------	---------------------------------

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

MODEL: 34.1.3
FILE NAME: c:\pwworking\central\0145114159\0264105-Sht-Details.dgn

USER NAME = MANDRUSHKO	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

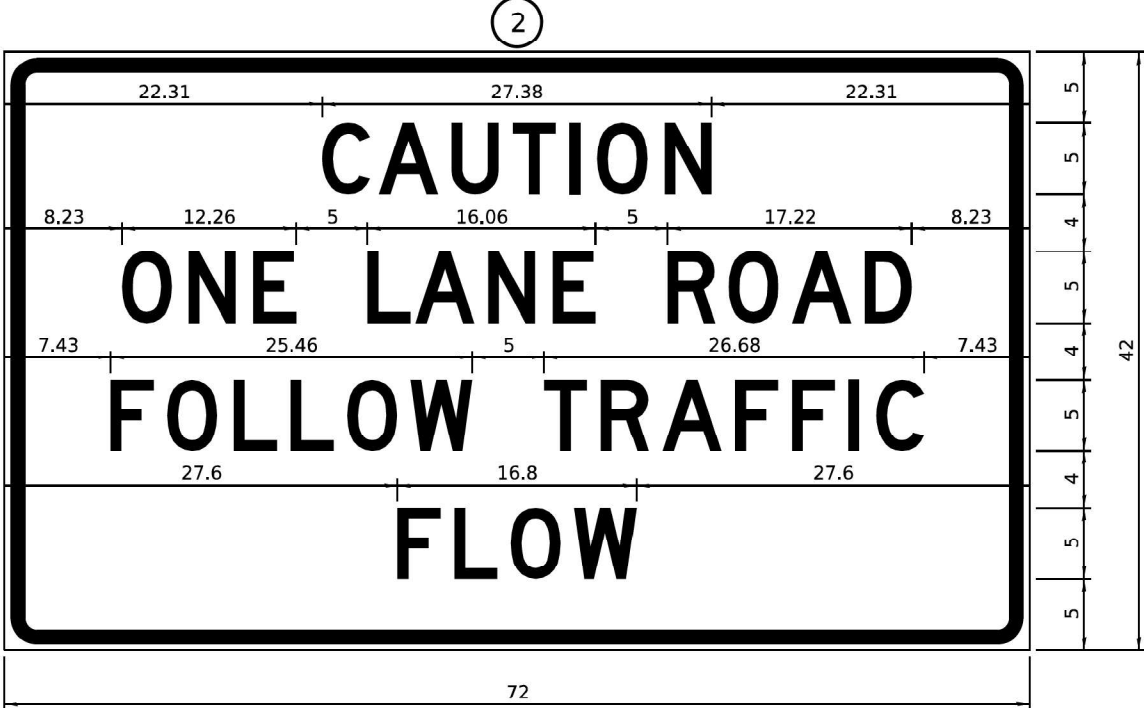
REGION 2/DISTRICT 2 STANDARD

SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	32
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS

WORK ZONE SIGN DETAILS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	---------------------------------	-----------------	------------------------------------

2.25" Radius, 0.88" Border, 0.50" Indent;
[CAUTION] D; [ONE LANE ROAD] D;
[FOLLOW TRAFFIC] D; [FLOW] D

2 This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table Of Widths And Spaces

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
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Sign not to scale

GENERAL NOTES

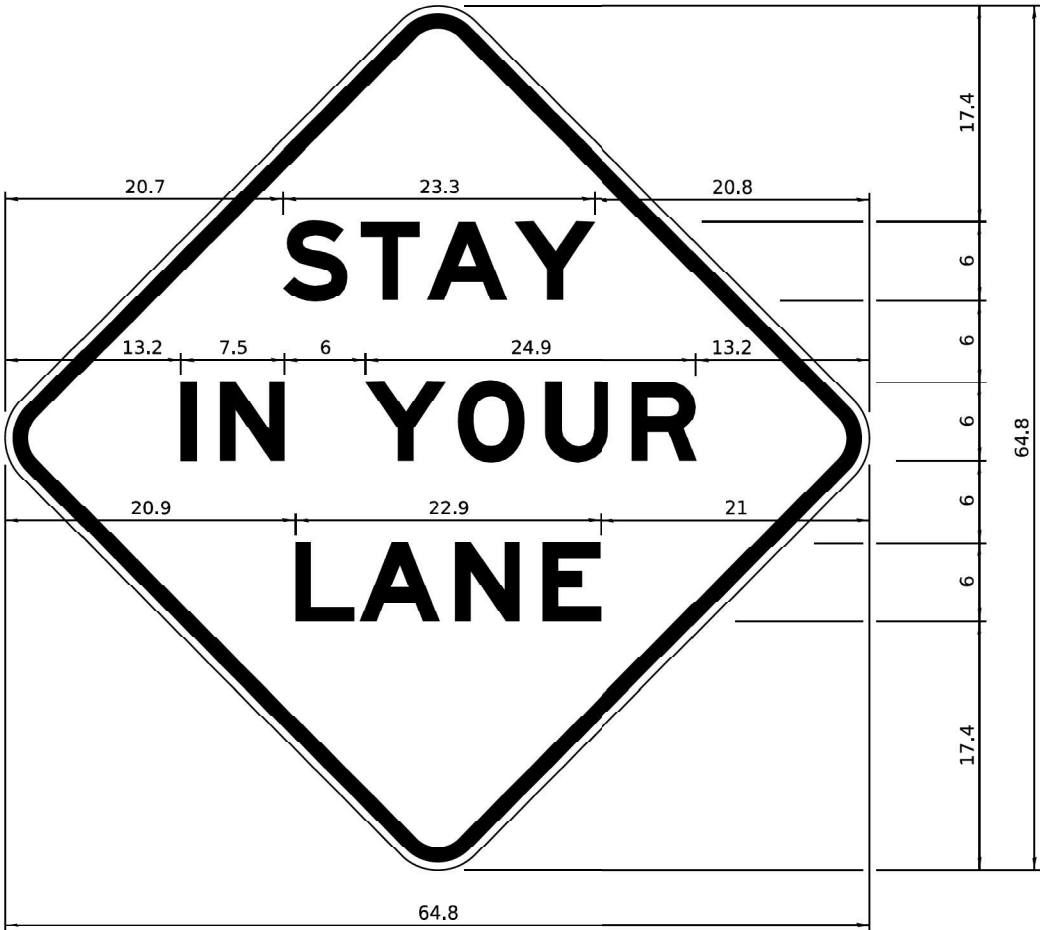
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

STAY IN YOUR LANE



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	---------------------------------	-----------------	------------------------------------

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

Table of Letter and Object Lefts

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

MODEL: 34.1.4
FILE NAME: c:\pwworking\central\014511459\0264105-Sht-Details.dgn

USER NAME = MANDRUSHKO	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

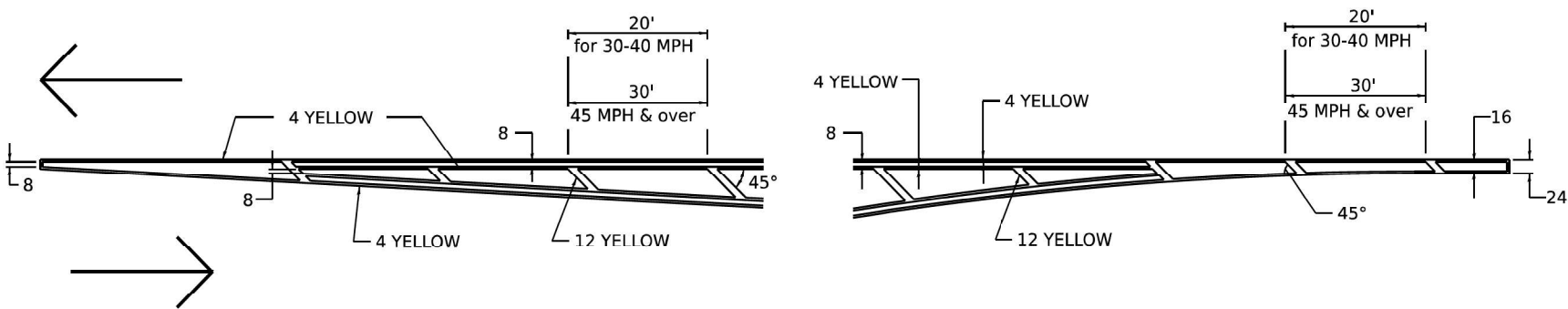
REGION 2/DISTRICT 2 STANDARD

SCALE: SHEET OF 9 SHEETS STA. TO STA.

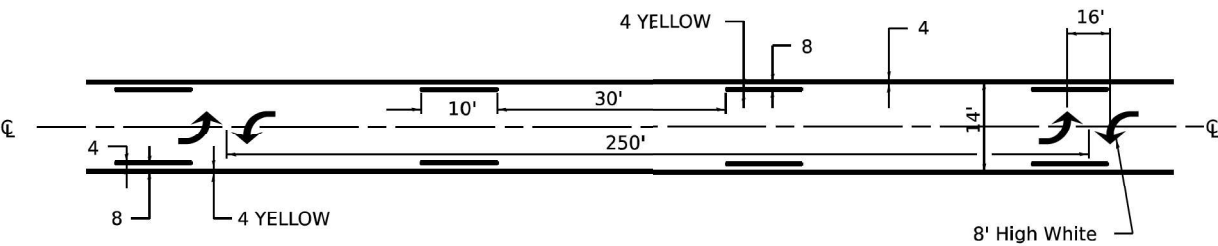
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	33
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN
AT LEFT TURN LANE

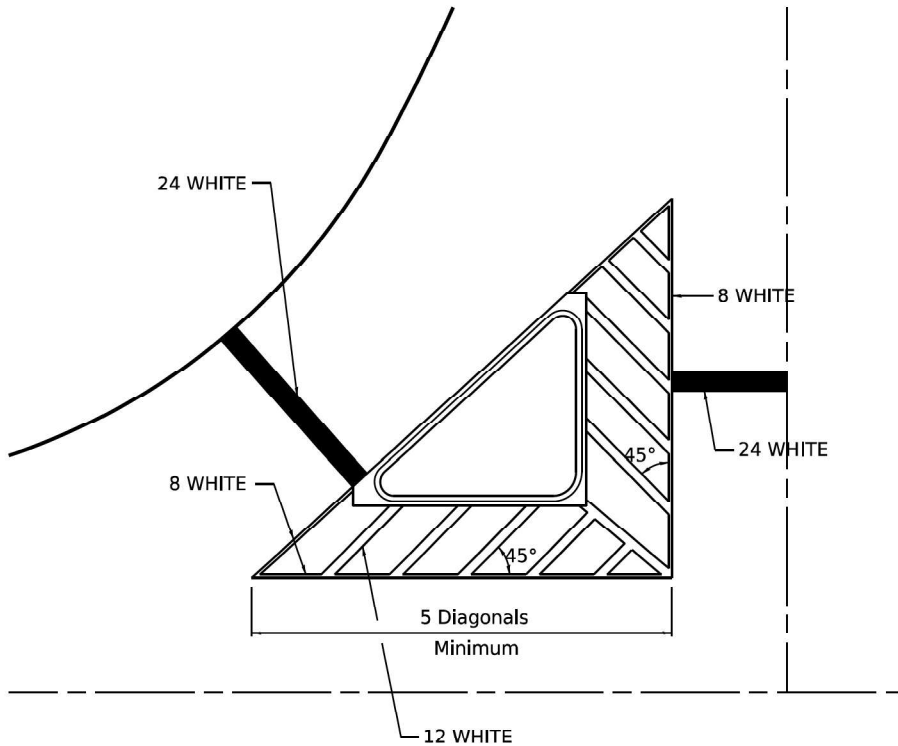


MEDIAN PAVEMENT MARKING



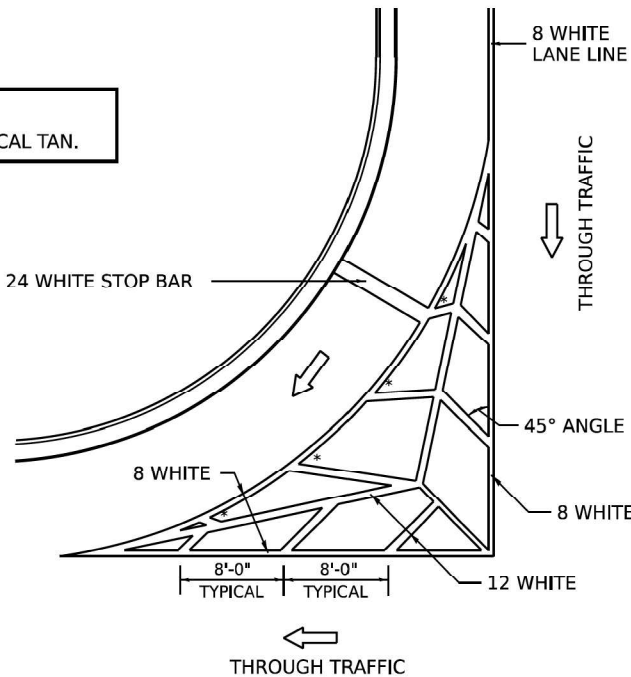
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND
OFFSET SHOULDER WIDTH



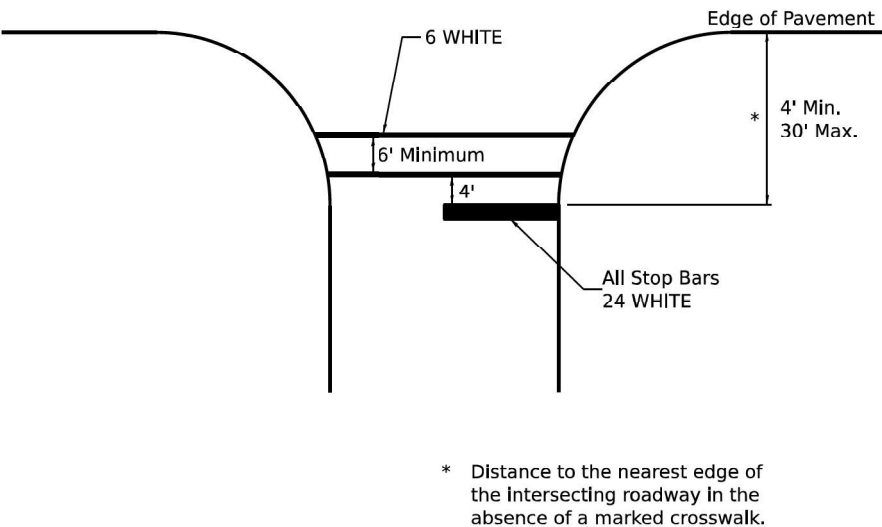
TYPICAL MARKING FOR
PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

MODEL: 41.1.1
FILE NAME: c:\pwworking\central\0145114159\0264105-Sht-Details.dgn

USER NAME = MANDRUSHKO	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

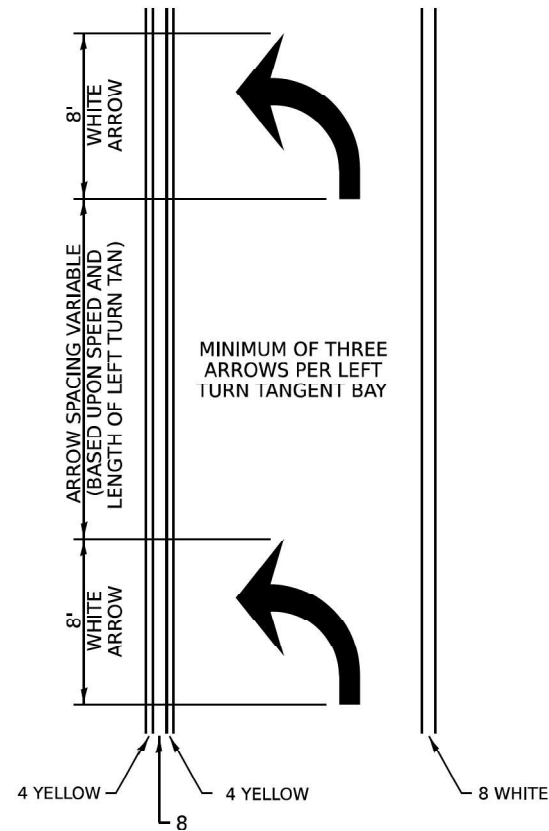
REGION 2/DISTRICT 2 STANDARD

SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	34
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT



SYMBOLS

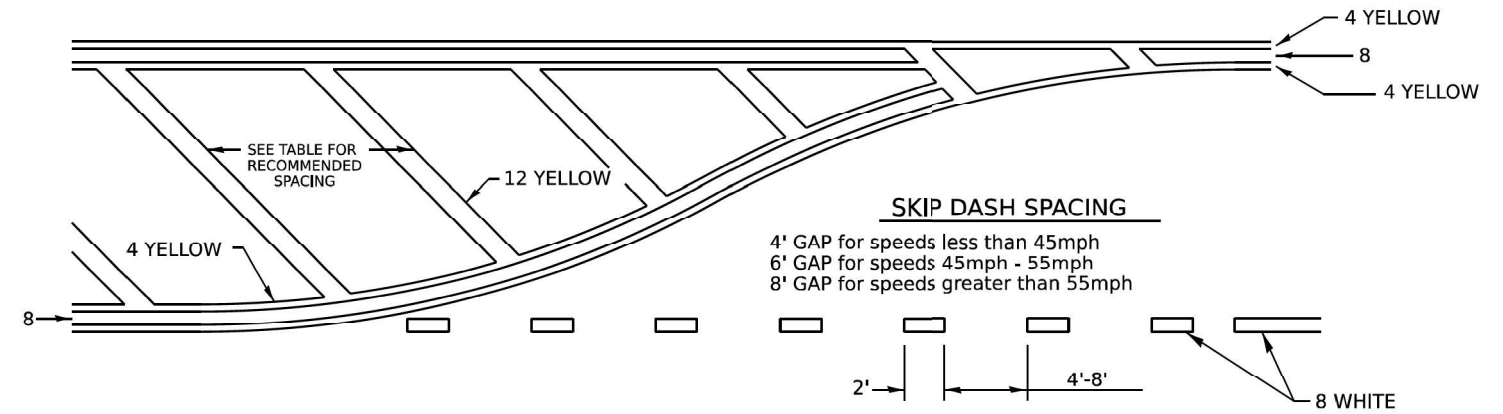
- ◀ ONE-WAY
AMBER MARKER
- ◁ ONE-WAY
CRYSTAL MARKER
- ◆ TWO-WAY
AMBER MARKER

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

6 at 40' O.C.
APPROACH SIDE ONLY

See Typical -
Drawing at right

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.

6 WHITE
— CROSSWALK LINES

6' MINIMUM —

8 WHITE ➔

WHITE

8 WHITE -

— 24
WHITE
STOP LINE

See Typical
Drawing above

6 at 40' O.C.
APPROACH SIDE ONLY

USER NAME = MANDRUSHKO	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

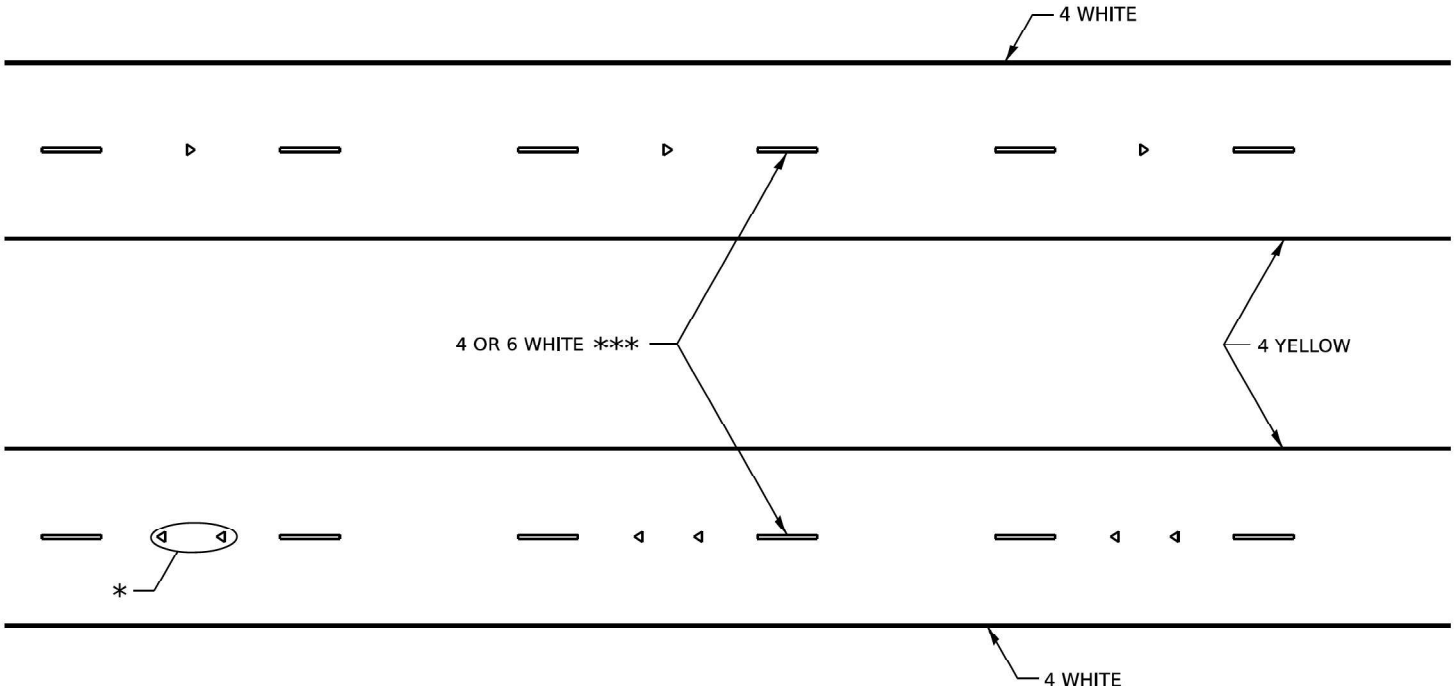
REGION 2/DISTRICT 2 STANDARD

SCALE:	SHEET	OF 9	SHEETS	STA.	TO STA.
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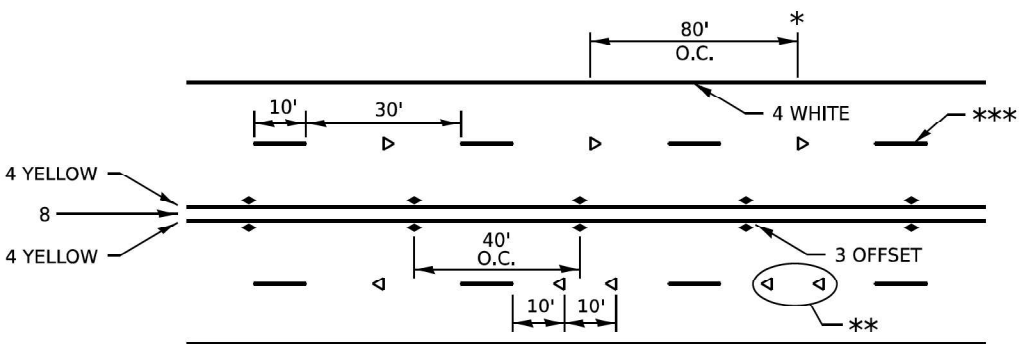
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	35
		CONTRACT NO. 64T05		
		ILLINOIS	FED. AID PROJECT	

MODEL: 41.12
FILE NAME: c:\pwworking\central\01\d5114159\ID264T05-Shi-Details.dgn

TYPICAL PAVEMENT MARKINGS



MULTI-LANE / DIVIDED

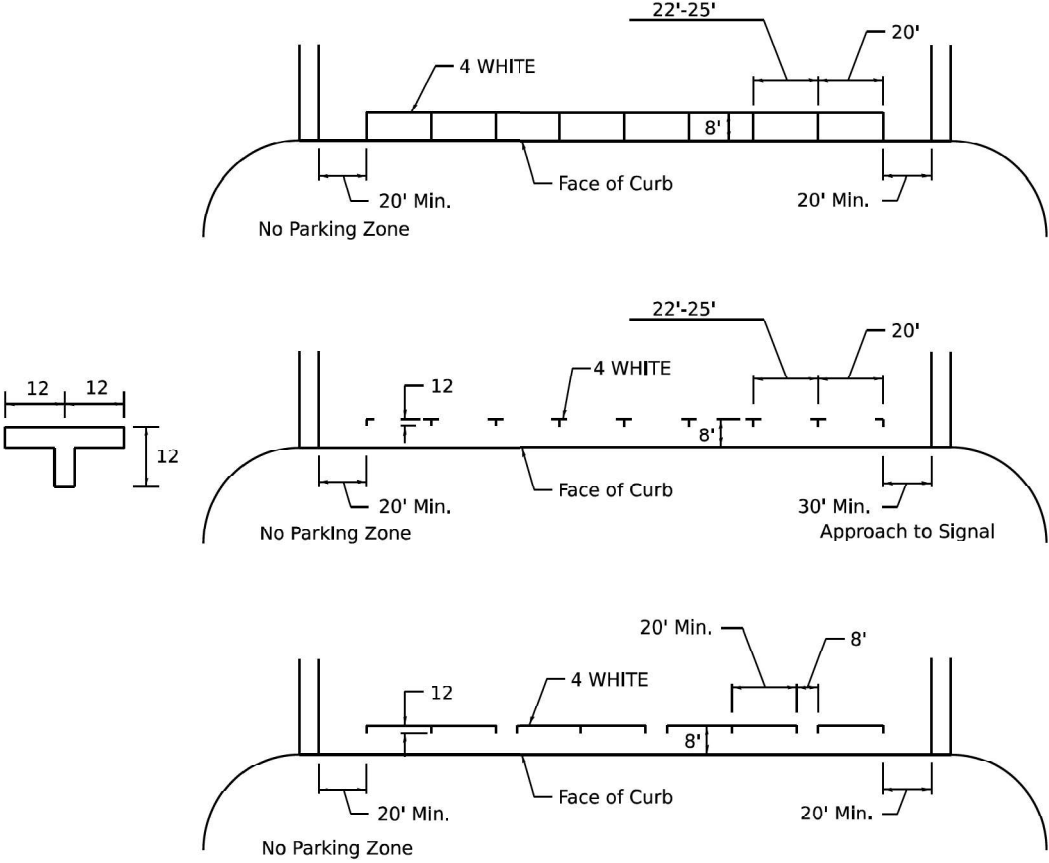


- * REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- ** USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- *** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

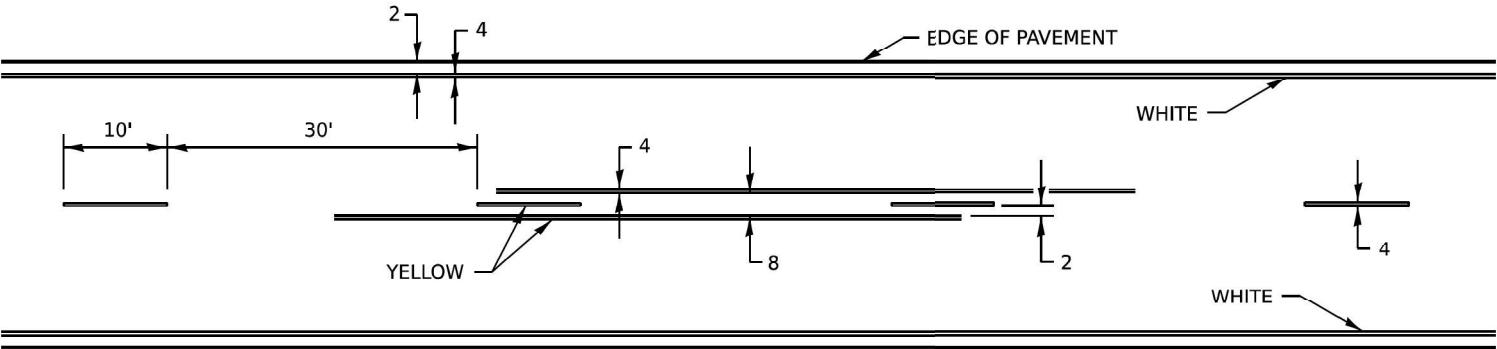
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



MODEL: 41.1.3
FILE NAME: c:\pwworking\central\0145114159\0264105-Sht-Details.dgn

USER NAME = MANDRUSHKO	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/16/2025	DATE - 06/20/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2/DISTRICT 2 STANDARD

SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	(101BR-2)BDR	OGLE	37	36
CONTRACT NO. 64T05				
ILLINOIS FED. AID PROJECT				

