F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	1
	ILLINOIS	CONTRACT NO. 70B38		

• (10-34HB-3)BR&(10-5-1HB)BR-1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

F.A.I. ROUTE 57 & 74
SECTION (10–34HB–3)BR&(10–5–1HB)BR–1
PROJECT NHPP–W12X(328)
BRIDGE REPLACEMENT
CHAMPAIGN COUNTY

C–95–038–15

UNDER MATTIS AVE NW OF CHAMPAIGN
R8E, 3rd P.M.

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATION EQUATIONS: STA. 11+45.74 BK = STA. 11+75.24 AH
STA. 35+02.71 BK = STA. 0+00.00 AH

OMISSIONS: STA. 26+54.47 TO STA. 19+35.00

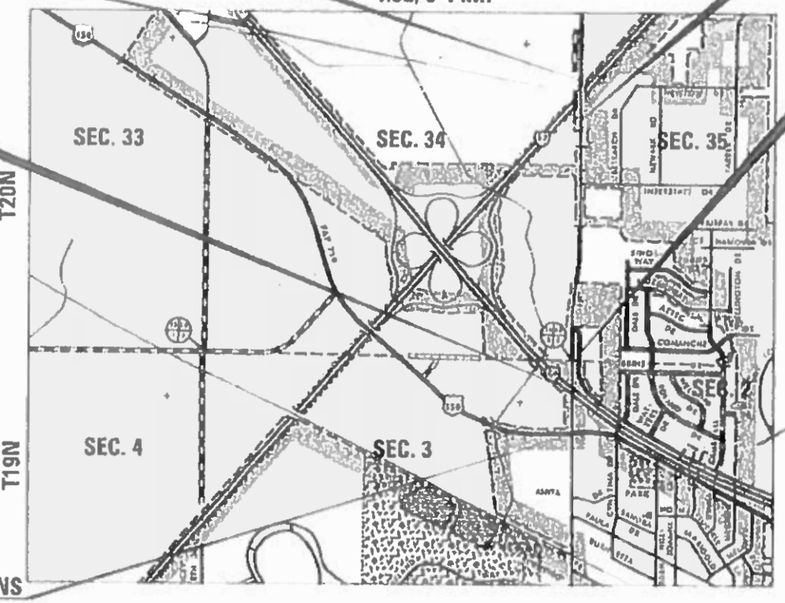
BRIDGE REPLACEMENT
EXIST SN 010–0100
PROP SN 010–1100
STA. 24+90.58 (MATTIS AVE)
STA. 626+66.59 (I–57)
2 SPANS AT 360'–2" B–B ABUTS.
54'–10" REINF. CONC. DECK
45°SKEW

BRIDGE REPLACEMENT
EXIST SN 010–0270
PROP SN 010–1270
STA. 19+01.76 (MATTIS AVE)
STA. 1087+94.94 (I–74)
2 SPANS AT 322'–1 7/8" B–B ABUTS.
84'–0" REINF. CONC. DECK
41°19'30" SKEW

PROJECT ENDS
STA. 30+20.00

END OMISSION
19+35.00

BEGIN OMISSION
26+54.47

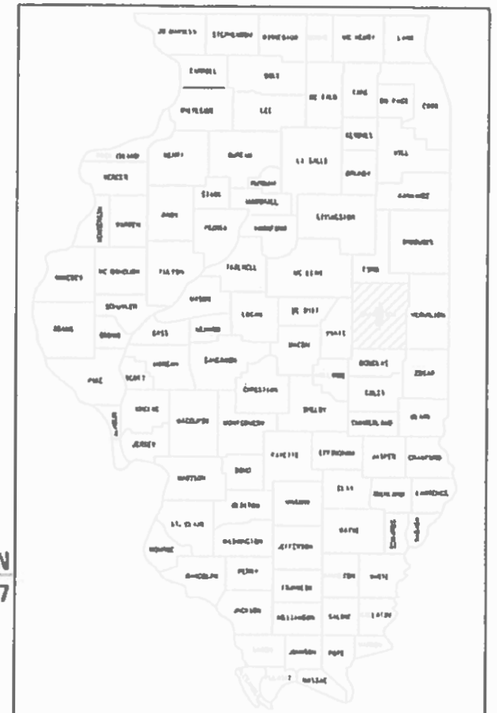


PROJECT BEGINS
STA. 14+00.00

N

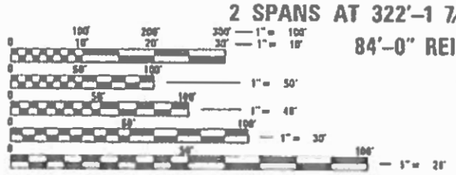
LOCATION MAP
1" = 1200'

D–95–038–15



LOCATION OF SECTION INDICATED THUS: –■–

FUNCTIONAL CLASSIFICATION
SUBURBAN OTHER PRINCIPAL ARTERIAL
MATTIS OVER I–74: 2016 ADT = 16,100
MATTIS OVER I–57: 2016 ADT = 5,800
I–74 UNDER MATTIS: 2017 ADT = 41,400
I–57 UNDER MATTIS: 2017 ADT = 23,000



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 EXCAVATORS
1–800–892–0123
OR 811
HENSLEY & CHAMPAIGN TWPS

KEVIN REED CRIDER
062-057383
LICENSED
PROFESSIONAL
ENGINEER
OF
ILLINOIS
5-7-19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 20 19
REGIONAL ENGINEER
Dec 20 19
ENGINEER OF DESIGN AND ENVIRONMENT
Dec 20 19
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: JASON STULTS
CONSULTANT LIAISON: RYAN CARROLL
(217) 466–4181

CONTRACT NO. 70B38

BFW
BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.

GROSS LENGTH = 5122.71 FT. = 0.970 MILE
NET LENGTH = 2339.42 FT. = 0.443 MILE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2 - 3	HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS, & LEGEND
4 - 18	SUMMARY OF QUANTITIES
19 - 25	TYPICAL SECTIONS
26 - 36	SCHEDULES OF QUANTITIES
37 - 38	ALIGNMENT, TIES, AND BENCHMARKS
39 - 40	REMOVAL PLANS
41 - 42	PLAN & PROFILE - MATTIS OVER I-74
43	PLAN & PROFILE - MATTIS OVER I-57
44 - 45	GRADING PLAN
46 - 51	TEMPORARY TRAFFIC SIGNAL PLANS
52 - 83	MAINTENANCE OF TRAFFIC PLANS
84	DRAINAGE PLAN & PROFILE - MATTIS OVER I-74
85	DRAINAGE PLAN & PROFILE - MATTIS OVER I-57
86	DRAINAGE PLAN & PROFILE - I-74
87	DRAINAGE PLAN & PROFILE - I-57
88	DRAINAGE PLAN & PROFILE - RAMP G
89 - 90	EROSION CONTROL PLANS
91 - 95	LIGHTING PLANS
96 - 98	TRAFFIC SIGNAL PLANS
99 - 142	STRUCTURE PLANS - S.N. 010-1270 MATTIS OVER I-74
143 - 183	STRUCTURE PLANS - S.N. 010-1100 MATTIS OVER I-57
184 - 188	RIGHT-OF-WAY PLANS
189	PAVEMENT MARKING PLAN - MATTIS OVER I-74
190	PAVEMENT MARKING PLAN - MATTIS OVER I-57
191 - 200	DETAILS
201 - 204	DETAILS - PTZ CAMERA PLANS
205 - 208	DETAILS - GEOTEXTILE RETAINING WALL
209 - 212	DETAILS - BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)
213 - 234	CROSS SECTIONS - MATTIS OVER I-74
235 - 252	CROSS SECTIONS - MATTIS OVER I-57
253 - 257	CROSS SECTIONS - I-57
258 - 264	CROSS SECTIONS - I-74

LIST OF STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
202001-01	EARTH MEDIAN DITCH CHECK
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
482011-03	HMA SHLD. STRIPS / SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602401-06	PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604006-05	FRAME AND GRATE TYPE 3
604036-03	GRATE TYPE 8
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
610001-08	SHOULDER INLET WITH CURB
630001-12	STEEL PLATE BEAM GUARDRAIL
630116	BACK SIDE PROTECTION OF GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
642006	SHOULDER RUMBLE STRIPS, 8 in.
665001-02	WOVEN WIRE FENCE
666001-01	RIGHT OF WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701206-05	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS ≥ 45 MPH

LIST OF STANDARDS

701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS- DAY ONLY
701321-17	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701400-09	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY / EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY / EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY / EXPRESSWAY
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MAKRERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
812001	RACEWAY EMBEDDED IN STRUCTURE
814001-03	HANDHOLES
821101-02	LUMINAIRE WIRING DIAGRAM
825011-04	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
830001-03	LIGHT POLE ALUMINUM MAST ARM
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN

FILE NAME = D570838-sht-gennote.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:41:29 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS & HIGHWAY STANDARDS

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	2
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		

REV. 12/04/19

GENERAL NOTES

G.N.-100 ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100B MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

G.N.-105.07C EXISTING STATE-OWNED AND MAINTAINED UNDERGROUND UTILITY FACILITIES EXIST WITHIN THE ROW. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE IT'S OWN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR SECURING AN APPROVED LOCATING FIRM TO LOCATE ALL EXISTING IDOT UNDERGROUND FACILITIES PRIOR TO COMMENCING ANY EXCAVATION, PER THE REQUIREMENTS OF ARTICLE 803 OF THE STANDARD SPECIFICATIONS. UTILITY LOCATES MAY ALSO BE REQUIRED OUTSIDE THE PROJECT LIMITS, SUCH AS FOR TRAFFIC CONTROL SIGNING AND OTHER ITEMS. THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS OF EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT. FOR FURTHER INFORMATION, THE CONTRACTOR MAY CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER, GARY SIMS, AT 217-251-4859.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR LOCATING AND PROVIDING PROTECTION FOR FACILITIES DURING ALL PHASES OF CONSTRUCTION. IF, AT ANY TIME, THE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT AND MAKE ALL NECESSARY ARRANGEMENTS FOR REPAIR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-105.09A ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-107.37 UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800) 892-0123 OR 811.

G.N.-201 TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

G.N.-205 BENCHING PROCEDURES SHALL BE USED IN AREAS WHERE EXISTING EMBANKMENTS ARE WIDENED FOR THE PROPOSED PAVEMENT. STEPS SHALL BE CUT INTO THE THE EXISTING EMBANKMENT SLOPES AND SHALL HAVE THE FOLLOWING DIMENSIONS:

HORIZONTAL: VARIES
VERTICAL: 3'

G.N.-280 TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED EARTH DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH AT THE TIME OF THEIR COMPLETION.

G.N.-280A THE VARIOUS MULCH PAY ITEMS IN THE PLANS INCLUDE QUANTITIES FOR TEMPORARY MULCH FOR EROSION CONTROL. THE TEMPORARY MULCH INCLUDES MAINTENANCE AND REMOVAL IF NECESSARY, PER THE REQUIREMENTS OF ARTICLE 280 OF THE STANDARD SPECIFICATIONS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SOME OR ALL OF THE MULCH USED AS TEMPORARY EROSION CONTROL WILL BE DELETED IF IT IS NOT NECESSARY DUE TO ESTABLISHMENT OF PERMANENT SEEDING.

G.N.-406 THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406H MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	LANE PAVEMENT-SURFACE	LANE PAVEMENT-UPPER BINDER	LANE PAVEMENT-LOWER BINDER	BASE COURSE (OPTION)
MIXTURE USE(S):	POLYMERIZED SURFACE COURSE	POLYMERIZED UPPER BINDER	LOWER BINDER	BINDER COURSE
AC/PG:	SBS PG 64-28	SBS PG 64-28	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0%, N70	4.0%, N70	4.0%, N70	4.0%, N50
MIXTURE COMP (GRADATION)	IL-9.5	IL-19.0	IL-19.0	IL-19.0
FRICTION AGGREGATE:	MIX "D"	N/A	N/A	N/A
MIXTURE WEIGHT	112 LB/SY	112 LB/SY	112 LB/SY	112 LB/SY
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	N.A.	N.A.	N.A.	N.A.

G.N.-542.07 AT LOCATIONS WHERE END SECTIONS ARE SPECIFIED, CAST-IN-PLACE CONCRETE HEADWALLS WILL NOT BE ALLOWED.

G.N.-609 PRIOR TO ROUTING TRAFFIC ONTO THE SHOULDERS AS SHOWN IN THE STAGING PLANS, THE CONTRACTOR SHALL SECURE THE GRATINGS ON SHOULDER INLETS AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

G.N.-667 THE RESIDENT ENGINEER SHALL CONTACT PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G.N.-703A SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHING METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-Z0038 AN ALUMINUM TABLET OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED BY THE DEPARTMENT. THIS WORK WILL BE PAID FOR THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS.

OTHER GENERAL NOTES:

APPROACH SLAB REMOVAL SHALL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES.

COMMITMENTS

FILE NAME = D570B38-sht-gennote.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - CWW	REVISED -	
	PLOT SCALE = 100.0000 '/ in.	CHECKED - BJE	REVISED -	
Default	PLOT DATE = 5/9/2019 - 6:41:33 AM	DATE - 05/07/2019	REVISED -	

GENERAL NOTES & COMMITMENTS

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	3
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		

				CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN SN 010-1270	0010-URBAN SN 010-1100	0021 URBAN	0010 URBAN	0021 URBAN	0004 URBAN	0021 URBAN
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	7		7					
20100500	TREE REMOVAL, ACRES	ACRE	0.75	0.50	0.25					
20200100	EARTH EXCAVATION	CU YD	11,325	7,105	4,220					
20400800	FURNISHED EXCAVATION	CU YD	15,150		7,970	7,180				
20600200	GRANULAR EMBANKMENT, SPECIAL	CU YD	4,180	2,815	1,365					
20800150	TRENCH BACKFILL	CU YD	24	24						
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	33,707	18,861	14,846					
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	1,850	1,150	700					
21400100	GRADING AND SHAPING DITCHES	FOOT	350	350						
25000210	SEEDING, CLASS 2A	ACRE	7.75	4.50	3.25					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	700	415	285					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	700	415	285					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	700	415	285					
25100115	MULCH, METHOD 2	ACRE	2.00	1.50	0.50					

✳ SPECIALTY ITEM

FILE NAME = D570838-sht-SOQ.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:41:34 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	✳	CHAMPAIGN	264	4
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
ILLINOIS FED. AID PROJECT				

REV. 9/10/19

				CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN SN 010-1270	0010-URBAN SN 010-1100	0021 URBAN	0010 URBAN	0021 URBAN	0004 URBAN	0021 URBAN
25100630	EROSION CONTROL BLANKET	SQ YD	20,072	11,905	8,167					
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	4,838	2,046	2,792					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	770	454	316					
28000305	TEMPORARY DITCH CHECKS	FOOT	477	373	104					
28000400	PERIMETER EROSION BARRIER	FOOT	2,100	1,789	311					
28000500	INLET AND PIPE PROTECTION	EACH	23	18	5					
28100107	STONE RIPRAP, CLASS A4	SQ YD	256	81	175					
28200200	FILTER FABRIC	SQ YD	256	81	175					
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	8,605	4,224	4,381					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,258	1,959	1,513				786	
40600990	TEMPORARY RAMP	SQ YD	149	101	48					
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	974	614	360					
40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	722	406	316					
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	962	439	330				193	

✳ SPECIALTY ITEM

FILE NAME = D570838-sht-SOO.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:41:41 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	5
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

REV. 9/10/19

				CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN SN 010-1270	0010-URBAN SN 010-1100	0021 URBAN	0010 URBAN	0021 URBAN	0004 URBAN	0021 URBAN
42001300	PROTECTIVE COAT	SQ YD	1,929	690		948			291	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	14,001	2,859		8,529			2,613	
* 42400800	DETECTABLE WARNINGS	SQ FT	31	11		20				
44000100	PAVEMENT REMOVAL	SQ YD	3,257	2,595	662					
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1,747						1,747	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,507	1,507						
44000600	SIDEWALK REMOVAL	SQ FT	3,904	3,904						
44004250	PAVED SHOULDER REMOVAL	SQ YD	370		370					
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1						
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1					
50105220	PIPE CULVERT REMOVAL	FOOT	1,110	1,110						
50157300	PROTECTIVE SHIELD	SQ YD	2,679	1,925	754					
50200100	STRUCTURE EXCAVATION	CU YD	2628	1806	822					
50300225	CONCRETE STRUCTURES	CU YD	1,135.5	688.8	446.7					
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1,725.6	910.5	815.1					

* SPECIALTY ITEM

FILE NAME = D570838-sht-SOQ.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
		DRAWN - BJE	REVISED -		
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 5/9/2019 - 6:41:47 AM	DATE - 05/07/2019	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	6
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

REV. 2/11/20 REV. 1/23/20 REV. 9/10/19

				CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN SN 010-1270	0010-URBAN SN 010-1100	0021 URBAN	0010 URBAN	0021 URBAN	0004 URBAN	0021 URBAN
50300300	PROTECTIVE COAT	SQ YD	6,995	3,740	3,255					
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	235.0	235.0						
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	LSUM	1	0.57	0.43					
50500505	STUD SHEAR CONNECTORS	EACH	12,684	7,668	5,016					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	622,930	373,610	249,320					
50800515	BAR SPLICERS	EACH	3,039	1,644	1,395					
50800530	MECHANICAL SPLICERS	EACH	372	222	150					
50901730	BRIDGE FENCE RAILING	FOOT	1,533				1,533			
50901750	PARAPET RAILING	FOOT	1,015				1,015			
51100100	SLOPE WALL 4 INCH	SQ YD	1,298	522	776					
51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	3,484	3,484						
51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	4,536	2,856	1,680					
51201900	FURNISHING STEEL PILES HP14X89	FOOT	1,722		1,722					
51202305	DRIVING PILES	FOOT	9,742	6,340	3,402					

✳ SPECIALTY ITEM

FILE NAME = D570838-sht-SOQ.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
		DRAWN - BJE	REVISED -		
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 5/9/2019 - 6:41:54 AM	DATE - 05/07/2019	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	✳	CHAMPAIGN	264	7
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

REV. 12/10/19 REV. 9/10/19

				CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN SN 010-1270	0010-URBAN SN 010-1100	0021 URBAN	0010 URBAN	0021 URBAN	0004 URBAN	0021 URBAN
51203200	TEST PILE METAL SHELLS	EACH	4	3	1					
51203900	TEST PILE STEEL HP14X89	EACH	2		2					
51204650	PILE SHOES	EACH	27	27						
51500100	NAME PLATES	EACH	2	1	1					
52000110	PREFORMED JOINT STRIP SEAL	FOOT	605	438	167					
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	24	24						
52100520	ANCHOR BOLTS, 1"	EACH	80	48	32					
52100540	ANCHOR BOLTS, 1 1/2"	EACH	40	24	16					
52200010	TEMPORARY SHEET PILING	SQ FT	1,713		1,713					
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	5,611	4,134	1,477					
52200600	GEOTEXTILE RETAINING WALL	SQ FT	1,831	1,140	691					
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	18	18						
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	13	13						
542JA024	PIPE CULVERTS, CLASS A 24" (JACKED)	FOOT	179	179						

✳ SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -
	PLOT DATE = 5/9/2019 - 6:42:01 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	8
	• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

REV. 9/10/19

				CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN	0010-URBAN	0021	0010	0021	0004	0021
				SN 010-1270	SN 010-1100	URBAN	URBAN	URBAN	URBAN	URBAN
542JA036	PIPE CULVERTS, CLASS A 36" (JACKED)	FOOT	590	478	112					
542JA048	PIPE CULVERTS, CLASS A 48" (JACKED)	FOOT	468		468					
54213447	END SECTIONS 12"	EACH	16	8	8					
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3	3						
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	8	6	2					
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	4		4					
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	152	152						
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	1,131	591	540					
58700300	CONCRETE SEALER	SQ FT	3,364	3,364						
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	835	605	230					
60100945	PIPE DRAINS 12"	FOOT	997	462	535					
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1						
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	7	7						
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	2	2						

✳ SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
		DRAWN - BJE	REVISED -		
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 5/9/2019 - 6:42:07 AM	DATE - 05/07/2019	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	9
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

REV. 9/10/19

					CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN SN 010-1270	0010-URBAN SN 010-1100	0021 URBAN	0010 URBAN	0021 URBAN	0004 URBAN	0021 URBAN
60602800	CONCRETE GUTTER, TYPE B	FOOT	235.0	235.0						
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,104.0	1,104.0						
61000050	CONCRETE THRUST BLOCKS	EACH	16	8	8					
61000115	TYPE E INLET BOX, STANDARD 610001	EACH	8		8					
✳ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,637.5	625.0	1012.5					
✳ 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	2	2					
✳ 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	4	4					
✳ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6	6						
63200310	GUARDRAIL REMOVAL	FOOT	2,143.0	527.0	1,616.0					
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2					
64301090	ATTENUATOR BASE	SQ YD	102		102					
66101150	HOT-MIX ASPHALT SHOULDER CURB	FOOT	958		958					
66500105	WOVEN WIRE FENCE, 4'	FOOT	1,963	1,296	667					
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	19	8	11					

✳ SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I RTE.	SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
		DRAWN - BJE	REVISED -			57&74	✳ / CHAMPAIGN / 264 / 10
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.	• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38
	PLOT DATE = 5/9/2019 - 6:42:14 AM	DATE - 05/07/2019	REVISED -			ILLINOIS	FED. AID PROJECT

REV. 9/10/19

					CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
					90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
					BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN	0010-URBAN	0021	0010	0021	0004	0021
					SN 010-1270	SN 010-1100	URBAN	URBAN	URBAN	URBAN	URBAN
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,121	560	561					
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	1	1					
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	0.5	0.5					
*	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	15	8	7					
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	0.5	0.5					
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	15	7	8					
	67100100	MOBILIZATION	LSUM	1	0.48	0.48			0.04		
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	260	130	130					
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1					
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	248	132	116					
	70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	0.5	0.5					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,032	835	197					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	344	278	66					
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	234	234						

* SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I RTE.	SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
		DRAWN - BJE	REVISED -			57&74	* / CHAMPAIGN / 264 / 11
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -			• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38
	PLOT DATE = 5/9/2019 - 6:42:20 AM	DATE - 05/07/2019	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT

REV. 9/10/19

					CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN	0010-URBAN	0021	0010	0021	0004	0021
				SN 010-1270	SN 010-1100	URBAN	URBAN	URBAN	URBAN	URBAN
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	19,215	13,947	5,268					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	59	13	46					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	7,000.0	3,575.0	3,425.0					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,362.5	1,237.5	1,125.0					
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	14	8	6					
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	5	3	2					
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6						
✳ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156	138	18					
✳ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7,600	5,286	2,314					
✳ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	332	332						
✳ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	492	492						
✳ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	75	75						
✳ 78008300	POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS	SQ FT	42	42						
✳ 78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	5,171	3,140	2,031					

✳ SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BJE	REVISED -			57&74	*	CHAMPAIGN	264	12
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -			• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	PLOT DATE = 5/9/2019 - 6:42:27 AM	DATE - 05/07/2019	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

REV. 9/10/19

					CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
					90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
					BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN	0010-URBAN	0021	0010	0021	0004	0021
					SN 010-1270	SN 010-1100	URBAN	URBAN	URBAN	URBAN	URBAN
✳	78008350	POLYUREA PAVEMENT MARKING TYPE II - LINE 12"	FOOT	405	405						
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	42	24	18					
✳	80400100	ELECTRIC SERVICE INSTALLATION	EACH	2					2		
✳	80500100	SERVICE INSTALLATION, TYPE A	EACH	3							3
✳	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2,130							2,130
✳	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	470					470		
✳	81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	2,540					2,540		
✳	81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	8					8		
✳	81400100	HANDHOLE	EACH	7				2			5
✳	81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	4,300					4,300		
✳	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3,975					3,975		
✳	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	21					21		
✳	83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	16					16		
✳	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	11					11		

✳ SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I RTE.	SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
		DRAWN - BJE	REVISED -			57&74	* / CHAMPAIGN / 264 / 13
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.	• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38
	PLOT DATE = 5/21/2019 - 8:58:49 AM	DATE - 05/07/2019	REVISED -			ILLINOIS	FED. AID PROJECT

REV. 9/10/19

					CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
					90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
					BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN	0010-URBAN	0021	0010	0021	0004	0021
					SN 010-1270	SN 010-1100	URBAN	URBAN	URBAN	URBAN	URBAN
*	84200804	REMOVAL OF POLE FOUNDATION	EACH	12					12		
*	84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1					1		
*	84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1					1		
*	84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1					1		
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2				1		1	
*	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1						1	
*	86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1						1	
*	87100140	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 12F	FOOT	1,065							1,065
*	87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	840							840
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	573				418		155	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	637				464		173	
*	87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	594				594			
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	1,891							1,891
*	87502640	TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	1				1			

* SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - BJE	REVISED -	
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -	
	PLOT DATE = 5/22/2019 - 8:55:36 AM	DATE - 05/07/2019	REVISED -	

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	14
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

REV. 9/10/19

					CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
					90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
					BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN	0010-URBAN	0021	0010	0021	0004	0021
					SN 010-1270	SN 010-1100	URBAN	URBAN	URBAN	URBAN	URBAN
*	87600200	PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	1						1	
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3				3			
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	32							32
*	87900200	DRILL EXISTING HANDHOLE	EACH	1				1			
*	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4				2		2	
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	8				4		4	
*	88600100	DETECTOR LOOP, TYPE I	FOOT	312				164		148	
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	4				2		2	
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8460	8460						
*	89502380	REMOVE EXISTING HANDHOLE	EACH	2				2			
*	X0323906	CAMERA POLE, 45 FT	EACH	4							4
*	X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	4							4
*	X0326266	ETHERNET SWITCH	EACH	4							4
*	X0327133	SOIL NAIL WALL	SQ FT	3,638	3,638						
*	X0327216	CLOSED CIRCUIT TELEVISION CAMERA	EACH	4							4

* SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = cwalker	DESIGNED - BJE	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - BJE	REVISED -	
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -	
	PLOT DATE = 5/23/2019 - 9:29:35 AM	DATE - 05/07/2019	REVISED -	

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	15
	• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

REV. 11/25/19 REV. 9/10/19

				CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN	0010-URBAN	0021	0010	0021	0004	0021
				SN 010-1270	SN 010-1100	URBAN	URBAN	URBAN	URBAN	URBAN
* X0327622	REMOVE AND REINSTALL HIGH TENSION CABLE MEDIAN BARRIER	FOOT	575	575						
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2,939	2,241	698					
X1400351	WOOD POLE, 35 FT, CLASS 4	EACH	3							3
X2500002	POWDER COATING OF PARAPET RAILING AND BRIDGE FENCE RAILING	LSUM	1						1	
X4201410	BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)	SQ YD	1,517	930	587					
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1,557	1,000	557					
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	3,652	2,539	1,113					
X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	380		380					
X5040100	PRECAST BRIDGE APPROACH SLAB	SQ FT	3,240		3,240					
X6340205	GUARD POSTS REMOVAL	EACH	8		8					
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	2		2					
X6431110	REMOVE ATTENUATOR BASE	EACH	2		2					
X6660410	REMOVE RIGHT-OF-WAY MARKERS	EACH	6	2	4					
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	0.5	0.5					

* SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BJE	REVISED -			57&74	*	CHAMPAIGN	264	16
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -			• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	PLOT DATE = 5/9/2019 - 6:42:53 AM	DATE - 05/07/2019	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

REV. 9/10/19

					CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN SN 010-1270	0010-URBAN SN 010-1100	0021 URBAN	0010 URBAN	0021 URBAN	0004 URBAN	0021 URBAN
X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	20	12	8					
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	540	267	273					
X7200201	WIDTH RESTRICTION SIGNING	LSUM	1	0.5	0.5					
X7240300	SIGN REMOVAL	EACH	4	2	2					
✳ X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	156	138	18					
✳ X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	7,600	5,286	2,314					
✳ X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	332	332						
✳ X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	492	492						
✳ X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	75	75						
✳ X8110458	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	40					40		
✳ X8250033	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 60AMP, WITH BLACK POWDER COAT FINISH	EACH	2					2		
✳ X8300001	LIGHT POLE, SPECIAL	EACH	21					21		
✳ X8380097	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN AND BLACK ANODIZED ALUMINUM SKIRT	EACH	64					64		
X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1	1						
Z0002900	BASE COURSE (OPTION)	SQ YD	609		609					

✳ SPECIALTY ITEM

FILE NAME = D570838-sht-S00.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
		DRAWN - BJE	REVISED -		
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 5/9/2019 - 6:43:00 AM	DATE - 05/07/2019	REVISED -		

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	✳	CHAMPAIGN	264	17
	• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

REV. 11/25/19 REV. 9/10/19

					CONSTRUCTION CODE - FAI 57 & FAI 74 - CHAMPAIGN COUNTY						
				90% FED 10% STATE	90% FED 10% STATE	80% FED 20% LOCAL	90% FED 5% STATE & 5% LOCAL	100% LOCAL	100% LOCAL	90% FED 10% STATE
				BRIDGE	BRIDGE	SIDEWALK	BRIDGE RAILING	LIGHTING	ROADWAY	CAMERA
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0010-URBAN SN 010-1270	0010-URBAN SN 010-1100	0021 URBAN	0010 URBAN	0021 URBAN	0004 URBAN	0021 URBAN
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	0.5	0.5					
Z0016702	DETOUR SIGNING	LSUM	1	0.5	0.5					
Z0018004	DRAINAGE SCUPPERS, DS-12	EACH	4	4						
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	7	7						
Z0018800	DRAINAGE SYSTEM	LSUM	1	1						
Z0019800	EARTH DITCH BERM	EACH	2		2					
Z0022800	FENCE REMOVAL	FOOT	1,611	939	672					
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	4,839	2,877	1,962					
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	4,900	4,081	819					
Z0038700	PERMANENT BENCH MARKS	EACH	2	1	1					
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	869	577	292					
Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	3		3					
Ø Z0076600	TRAINEES	HOUR	3,000	3,000						
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	3,000	3,000						

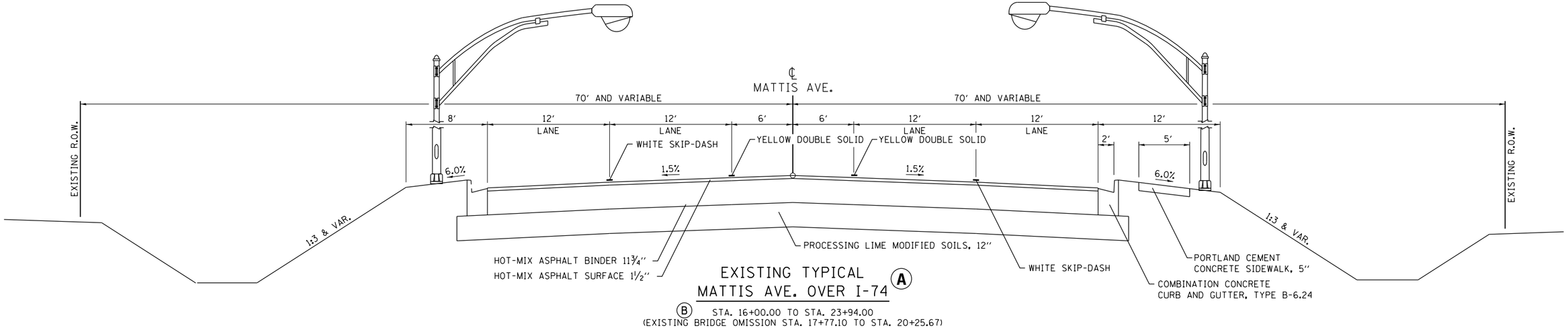
✳ SPECIALTY ITEM

Ø 0042

FILE NAME = D570B38-sht-SOO.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
		DRAWN - BJE	REVISED -		
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - MKK	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 5/9/2019 - 6:43:07 AM	DATE - 05/07/2019	REVISED -		

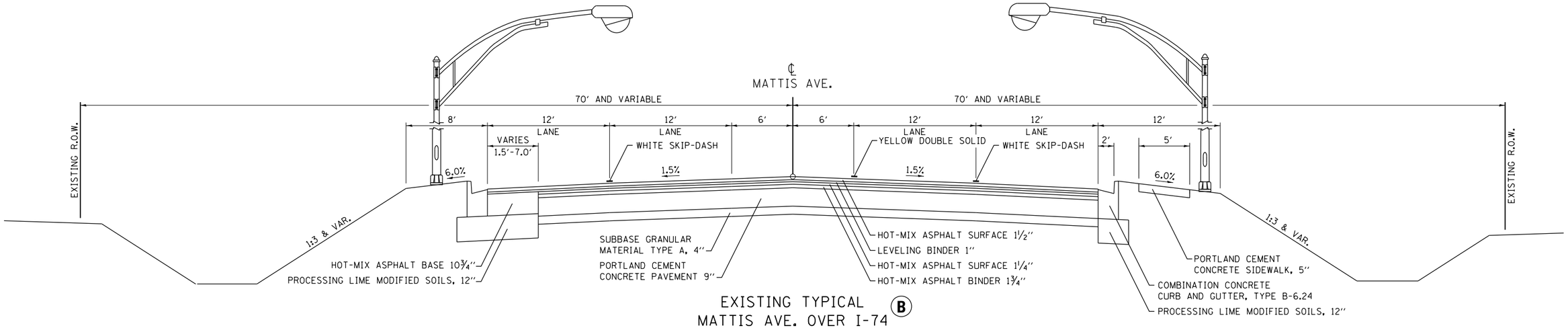
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	18
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

REV. 9/10/19



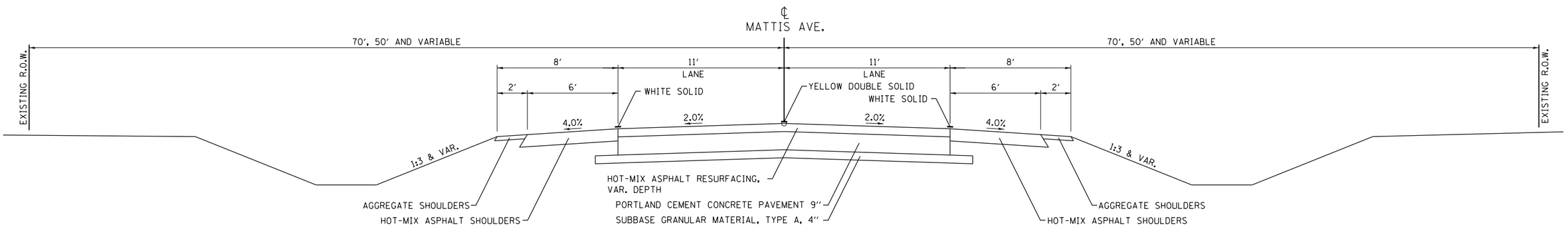
EXISTING TYPICAL MATTIS AVE. OVER I-74 (A)

(B) STA. 16+00.00 TO STA. 23+94.00
(EXISTING BRIDGE OMISSION STA. 17+77.10 TO STA. 20+25.67)



EXISTING TYPICAL MATTIS AVE. OVER I-74 (B)

STA. 14+00.00 TO STA. 16+00.00 (A)



EXISTING TYPICAL MATTIS AVE. OVER I-57 (C)

STA. 19+00.00 TO STA. 32+00.00
(EXISTING BRIDGE OMISSION STA. 23+24.26 TO STA. 26+55.91

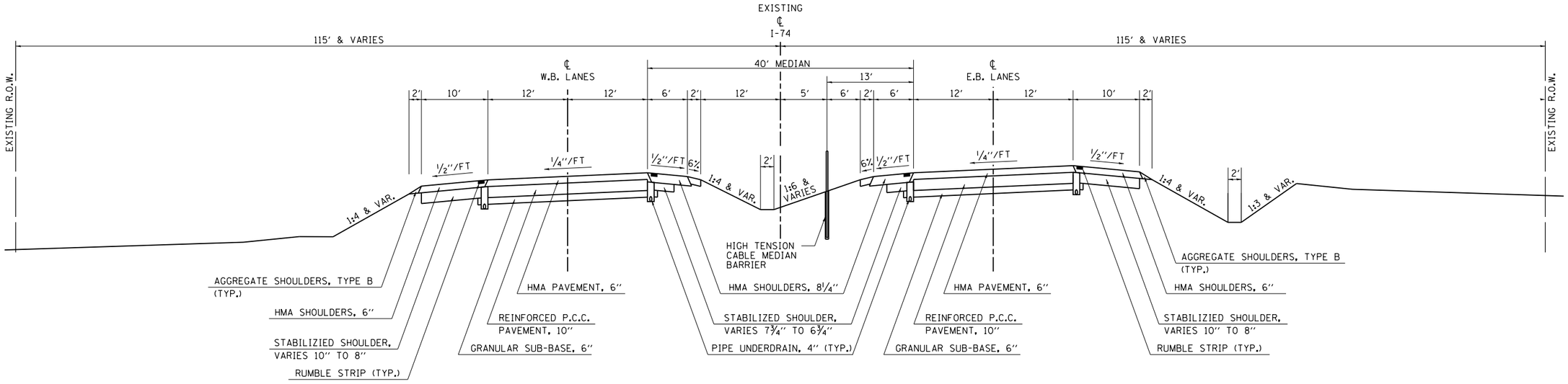
FILE NAME = D570B38-sht-Typicals_Existing.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED - BJE	REVISED -
	PLOT DATE = 5/9/2019 - 6:43:14 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
MATTIS AVE.

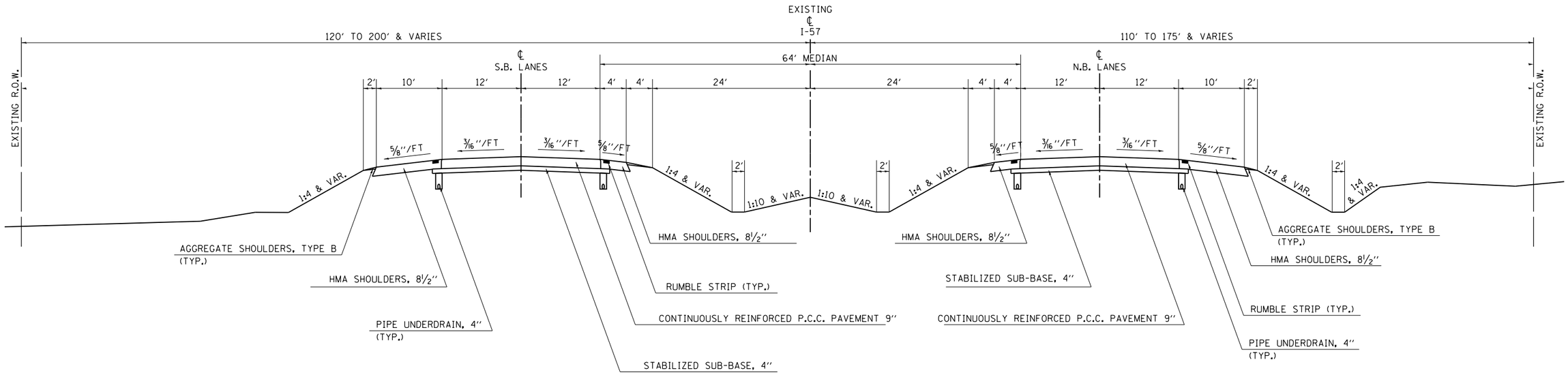
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	19
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL (D)
I-74 UNDER MATTIS AVE.

STA. 1077+12.30 TO STA. 1099+51.43



EXISTING TYPICAL (E)
I-57 UNDER MATTIS AVE.

N.B. STA. 625+47.00 TO STA. 626+99.00
S.B. STA. 625+86.00 TO STA. 628+48.00

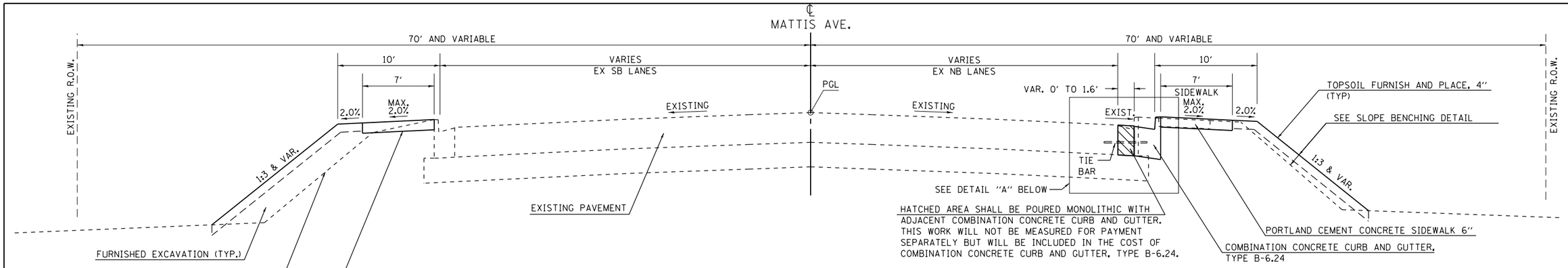
FILE NAME = D570B38-sht-Typicals_Existing.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED - BJE	REVISED -
	PLOT DATE = 5/9/2019 - 6:43:14 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
I-74 & I-57

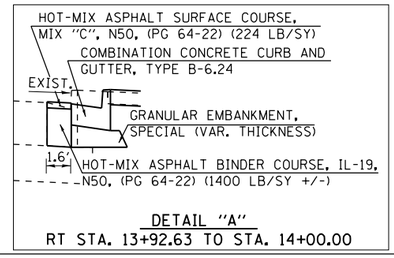
SCALE: N.T.S. | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	20
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION (1)
MATTIS AVE. OVER I-74

LT STA. 13+34.85 TO STA. 14+00.00 (2)
RT STA. 13+45.83 TO STA. 14+00.00 (2)



DETAIL "A"
RT STA. 13+92.63 TO STA. 14+00.00

PAVEMENT STRUCTURE DESIGN

STRUCTURAL DESIGN TRAFFIC: 17,500 YEAR 2030
PV = 16,625 SU = 735 MU = 140

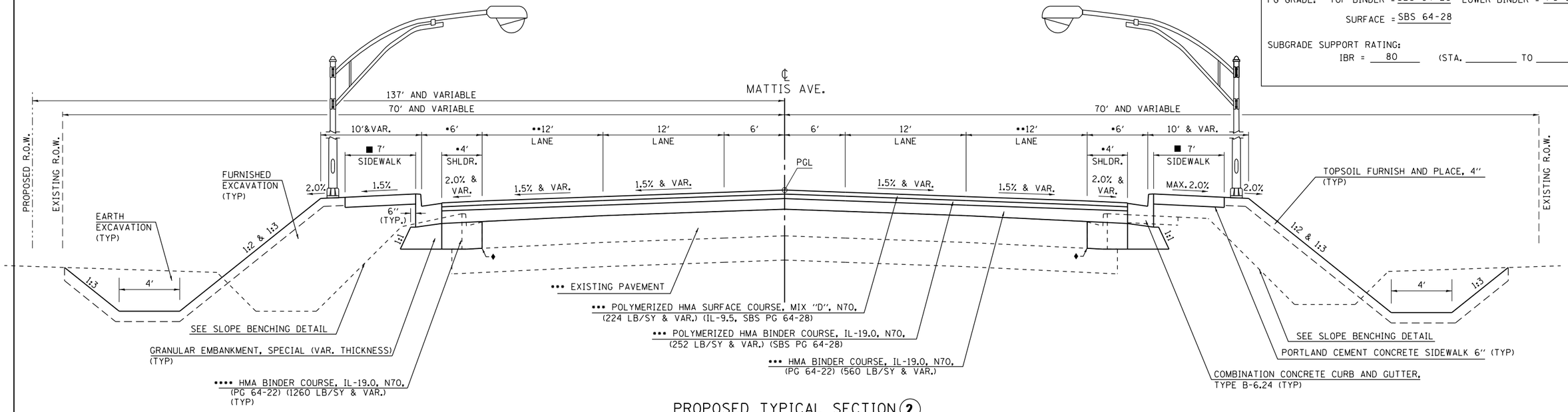
ROAD/STREET CLASSIFICATION: CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 32% S = 45% M = 45%

TRAFFIC FACTOR: ACTUAL TF = 1.50 MINIMUM TF = N/A

PG GRADE: TOP BINDER = SBS 64-28 LOWER BINDER = PG 64-22
SURFACE = SBS 64-28

SUBGRADE SUPPORT RATING:
IBR = 80 (STA. _____ TO _____)



PROPOSED TYPICAL SECTION (2)
MATTIS AVE. OVER I-74

(1) STA. 14+00.00 TO STA. 15+19.60 (3)
(3) STA. 22+50.94 TO STA. 23+94.00 (3a)

♦ EXISTING CURB AND GUTTER TO BE REMOVED.

■ SIDEWALK WIDTH VARIES:
LT STA. 23+69.00 TO STA. 23+94.00

• 4' SHOULDER WIDTH VARIES:
LT STA. 14+00.00 TO STA. 14+25.00
LT STA. 23+69.00 TO STA. 23+94.00
RT STA. 23+69.00 TO STA. 23+94.00

•• 12' PAVEMENT WIDTH VARIES:
RT STA. 23+69.00 TO STA. 23+94.00
LT STA. 23+69.00 TO STA. 23+94.00

••• SEE DETAIL - PAVEMENT PROFILE TRANSITIONS

•••• LT STA. 14+86.23 TO 15+19.60
LT STA. 22+50.94 TO 23+94.00
RT STA. 13+92.63 TO 15+19.60 (1400 LB/SY)
RT STA. 22+50.94 TO 23+94.00 (1260 LB/SY)

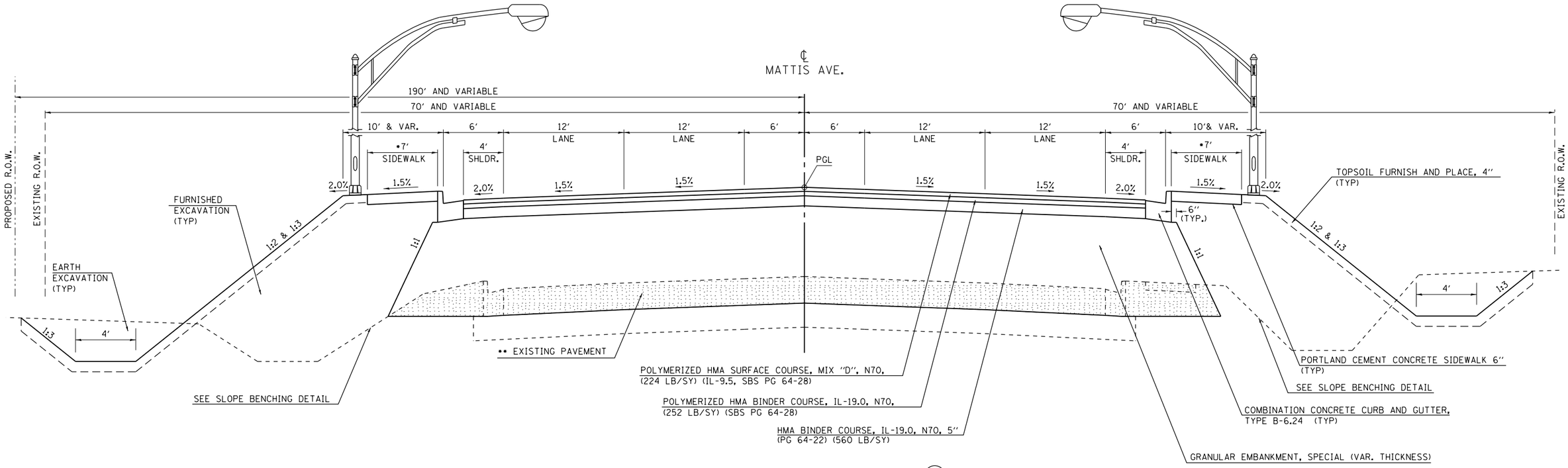
FILE NAME = D570B38-sht-Typicals_Proposed.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:43:15 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
MATTIS AVE. OVER I-74

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	21
	•(10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

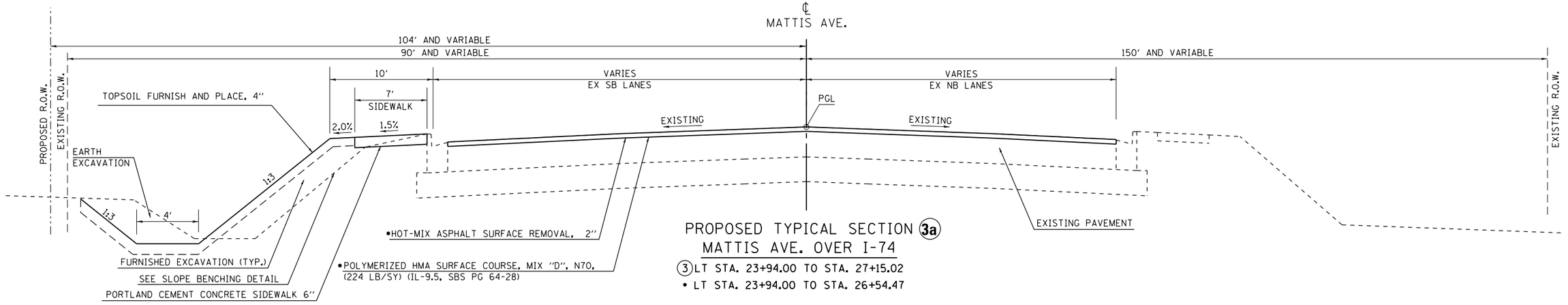


PROPOSED TYPICAL SECTION ③
MATTIS AVE. OVER I-74

② STA. 15+19.60 TO STA. 16+76.74 (APPROACH PAVEMENT)
(APPROACH PAVEMENT) STA. 21+59.65 TO STA. 22+50.94 ②

- SIDEWALK WIDTH VARIES:
  RT STA. 16+14.59 TO STA. 16+76.74
  LT STA. 16+87.57 TO STA. 16+74.76
  RT STA. 21+59.65 TO STA. 21+80.00
  LT STA. 21+59.65 TO STA. 22+47.75
- •• EXISTING PAVEMENT, CURB AND GUTTER AND SIDEWALK TO BE REMOVED
  LT & RT STA. 15+19.60 TO STA. 22+50.94

INDICATES AREA TO BE REMOVED



PROPOSED TYPICAL SECTION 3a
MATTIS AVE. OVER I-74

③ LT STA. 23+94.00 TO STA. 27+15.02
• LT STA. 23+94.00 TO STA. 26+54.47

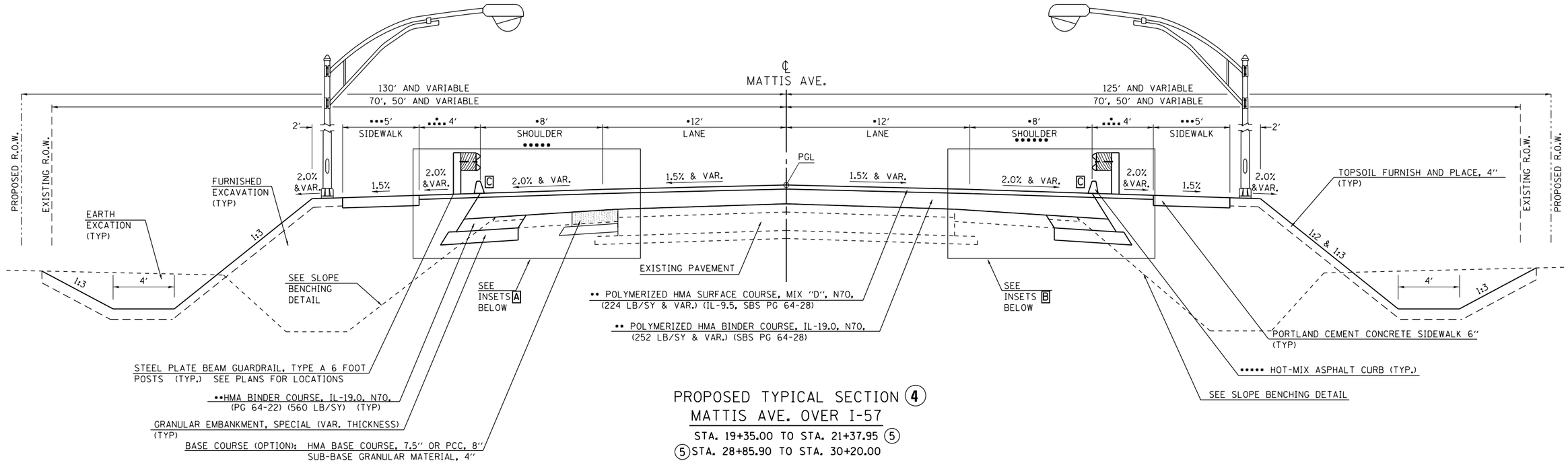
FILE NAME = D570838-sht-Typicals_Proposed.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:43:15 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
MATTIS AVE. OVER I-74

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

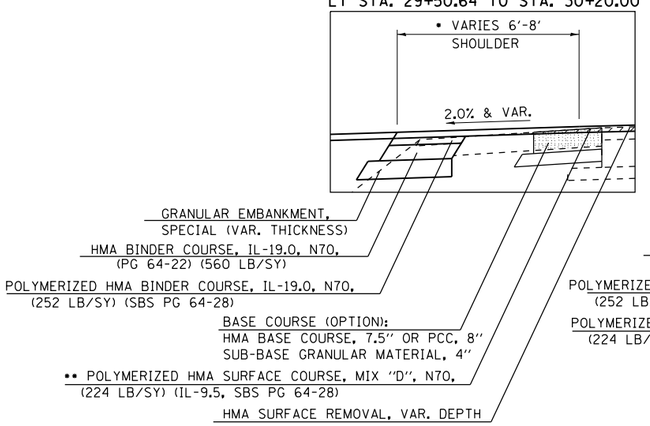
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	22
	•(10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



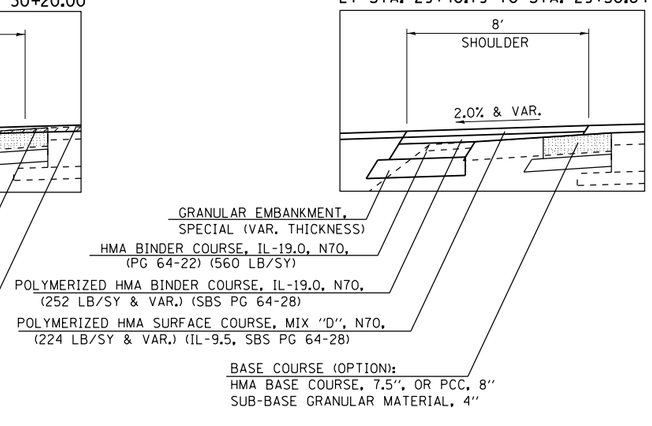
PROPOSED TYPICAL SECTION (4)
MATTIS AVE. OVER I-57

STA. 19+35.00 TO STA. 21+37.95 (5)
(5) STA. 28+85.90 TO STA. 30+20.00

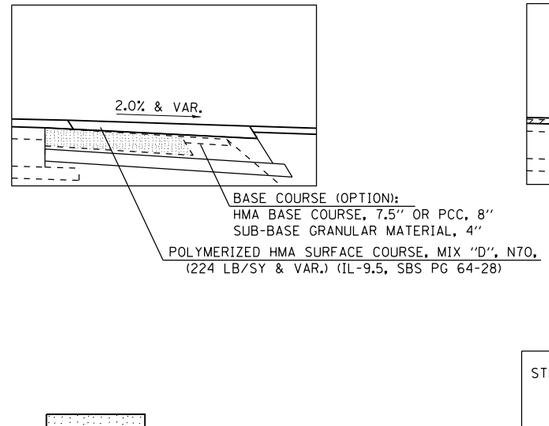
A LT STA. 19+35.00 TO STA. 19+95.83
LT STA. 29+50.64 TO STA. 30+20.00



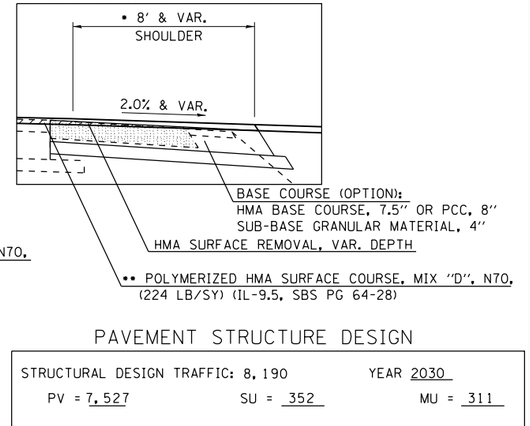
A LT STA. 19+95.83 TO STA. 20+26.21
LT STA. 29+40.79 TO STA. 29+50.64



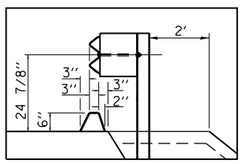
B RT STA. 19+95.83 TO STA. 20+26.21
RT STA. 29+40.79 TO STA. 29+50.64



B RT STA. 19+35.00 TO STA. 19+95.83
RT STA. 29+50.64 TO STA. 30+20.00



C LT & RT STA. 28+92.00 TO 29+70.00



INDICATES AREA TO BE REMOVED

- • ALL PAVEMENT, SHOULDER AND BUFFER WIDTHS VARY FROM STA. 19+35.00 TO STA. 19+85.00 AND FROM STA. 29+70.00 TO STA. 30+20.00
- •• SEE DETAIL - PAVEMENT PROFILE TRANSITIONS
- ••• PROPOSED SIDEWALK BEGINS AT STA. 19+85.00 AND ENDS AT STA. 28+92.00
- •••• CORING IS NOT NECESSARY FOR HMA THICKNESS LESS THAN 3"
- ••••• PROPOSED HOT-MIX ASPHALT SHOULDER CURB STA. 19+85.00 TO STA. 22+35.08 STA. 27+42.58 TO STA. 29+70.00

PAVEMENT STRUCTURE DESIGN

STRUCTURAL DESIGN TRAFFIC: 8,190 YEAR 2030
PV = 7,527 SU = 352 MU = 311

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 1.61 MINIMUM TF = N/A

PG GRADE: TOP BINDER = SBS 64-28 LOWER BINDER = PG 64-22
SURFACE = SBS 64-28

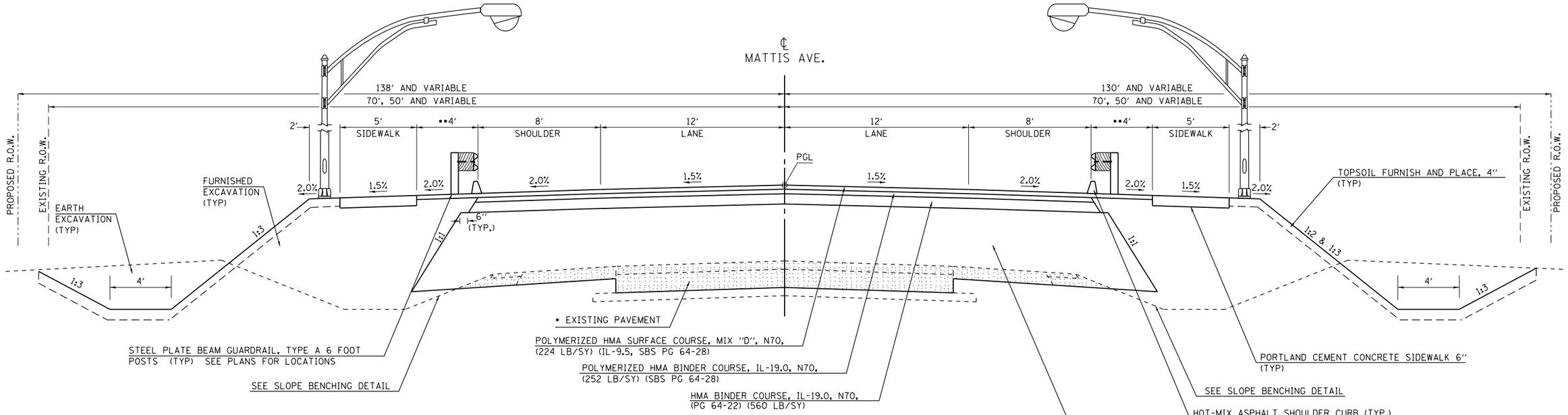
SUBGRADE SUPPORT RATING:
IBR = 80 (STA. _____ TO _____)

FILE NAME = D570B38-sht-Typicals_Proposed.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - CWW	REVISED -	
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -	
	PLOT DATE = 5/9/2019 - 6:43:16 AM	DATE - 05/07/2019	REVISED -	

PROPOSED TYPICAL SECTIONS
MATTIS AVE. OVER I-57

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	23
	•(10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION (5)
MATTIS AVE. OVER I-57

(4) STA. 21+37.95 TO STA. 22+35.08 (APPROACH PAVEMENT)
(APPROACH PAVEMENT) STA. 27+42.58 TO STA. 28+85.90 (4)

- • EXISTING PAVEMENT AND HMA SHOULDERS TO BE REMOVED FROM STA. 21+37.95 TO STA. 28+85.90
- •• CORING IS NOT NECESSARY FOR HMA THICKNESS LESS THAN 3″

INDICATES AREA TO BE REMOVED

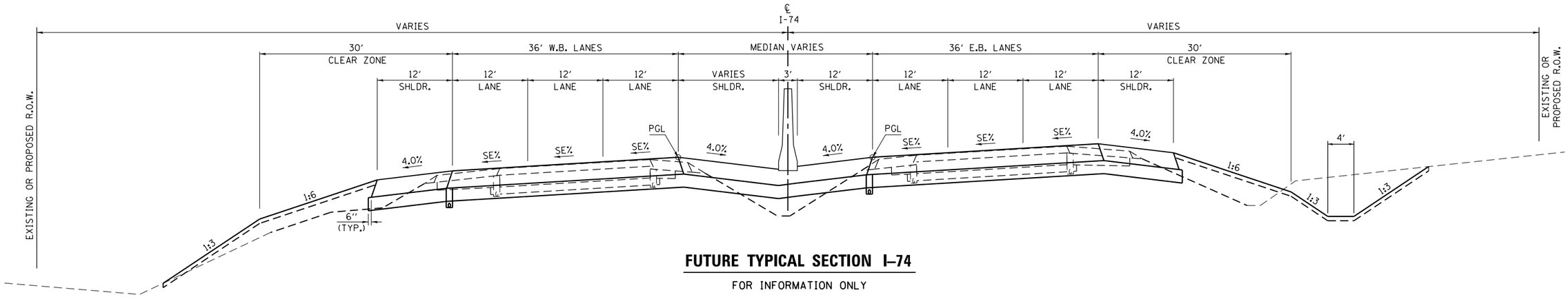
FILE NAME = D570B38-sht-Typicals_Proposed.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED - BJE	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:43:16 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
MATTIS AVE. OVER I-57

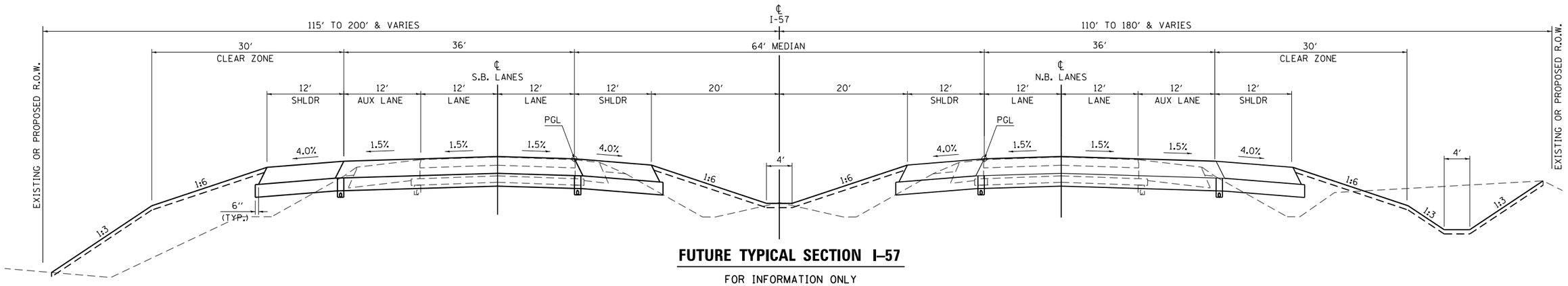
SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	24
	•(10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



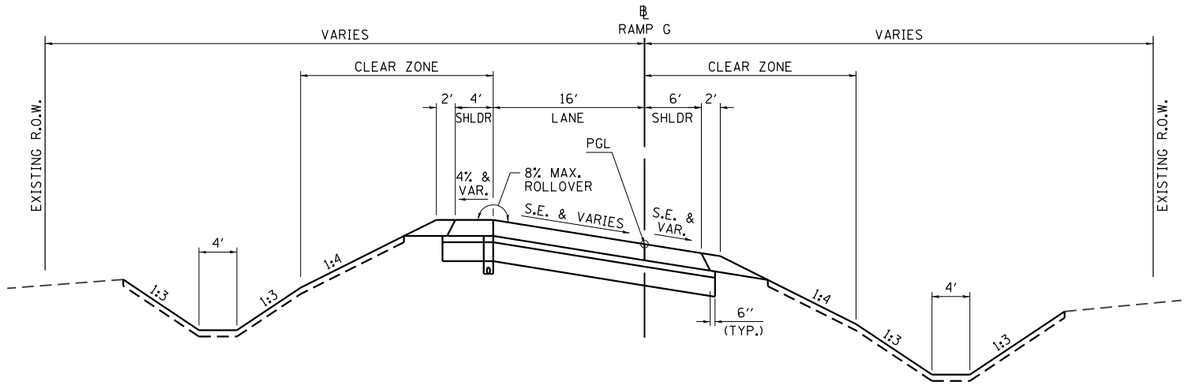
FUTURE TYPICAL SECTION I–74

FOR INFORMATION ONLY



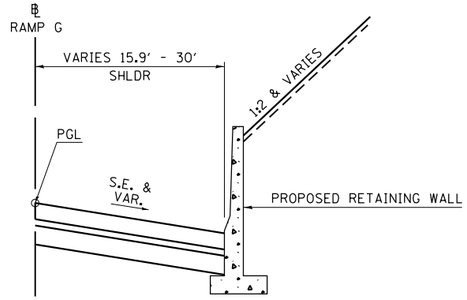
FUTURE TYPICAL SECTION I–57

FOR INFORMATION ONLY



FUTURE TYPICAL SECTION RAMP G

FOR INFORMATION ONLY



FUTURE TYPICAL SECTION RAMP G AT MATTIS AVE. SHOULDER DETAIL

FOR INFORMATION ONLY

FILE NAME = D570B38-sht-Typicals_Proposed.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED - BJE	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:43:16 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUTURE TYPICAL SECTIONS
I–57, I–74 & RAMP G

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	25
	•(10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

EARTHWORK

LOCATION STATION TO STATION	SIDE	EARTH EXCAVATION 20200100	FOR INFORMATION ONLY: AVERAGE SHRINKAGE FACTOR	FOR INFORMATION ONLY: EARTH EXCAVATION (ADJUSTED)	FOR INFORMATION ONLY: EMBANKMENT	FOR INFORMATION ONLY: EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	FURNISHED EXCAVATION 20400800	TOPSOIL FURNISH AND PLACE, 4" 21101615
		CU YD	%	CU YD	CU YD	CU YD	CU YD	SQ YD
CHAMPAIGN COUNTY								
PRE-STAGE A								
MATTIS OVER I-57								
18+50.00 TO 31+50.00	LT/RT	95	25	71	0	71	-71	
STAGE 1								
MATTIS OVER I-74								
13+50.00 TO 27+50.00	LT	2,415	25	1,811	4,415	-2,604	2,604	12,401
MATTIS OVER I-57								
19+00.00 TO 30+00.00	RT	340	25	255	5,840	-5,585	5,585	6,004
I-74								
1081+50.00 TO 1091+00.00	LT/RT	3,630	25	2,723		2,723	-2,723	
I-57								
622+50.00 TO 627+00.00	RT	2,380	25	1,785	10	1,775	-1,775	
STAGE 2								
MATTIS OVER I-74								
13+50.00 TO 24+00.00	RT	1,060	25	795	3,195	-2,400	2,400	6,461
MATTIS OVER I-57								
19+00.00 TO 30+50.00	LT	1,160	25	870	10,135	-9,265	9,265	7,361
STAGE 3								
I-57								
625+00.00 TO 629+00.00		245	25	184	45	139	-139	1,480
PROJECT TOTAL		**11,325**					**15,150**	**33,707**

SHRINKAGE FACTOR = 25%

SEEDING

LOCATION STATION TO STATION	SIDE	SEEDING, CLASS 2A 25000210	MULCH, METHOD 2 25100115	TEMPORARY EROSION CONTROL SEEDING 28000250	NITROGEN FERTILIZER NUTRIENT 25000400	PHOSPHORUS FERTILIZER NUTRIENT 25000500	POTASSIUM FERTILIZER NUTRIENT 25000600
		ACRE	ACRE	POUND	POUND	POUND	POUND
CHAMPAIGN COUNTY							
STAGE 1							
MATTIS OVER I-74							
13+42.90 TO 18+30.36	LT		0.55				
13+42.90 TO 18+95.81	LT	1.43		142.7	128.5	128.5	128.5
19+73.34 TO 31+79.29	LT	1.77		176.5	158.9	158.9	158.9
19+79.34 TO 31+79.29	LT		0.88				
MATTIS OVER I-57							
19+35.00 TO 23+92.44	RT	0.67		66.8	60.1	60.1	60.1
23+60.40 TO 23+88.12	RT		0.08				
25+89.28 TO 28+00.00	RT		0.11				
25+89.28 TO 30+20.00	RT	0.62		62.3	56.1	56.1	56.1
29+50.10 TO 30+20.00	RT		0.03				
STAGE 2							
MATTIS OVER I-74							
13+82.96 TO 18+30.36	LT	0.66		66.3	59.7	59.7	59.7
19+73.34 TO 23+94.00	LT	0.68		68.0	61.2	61.2	61.2
MATTIS OVER I-57							
19+35.00 TO 23+92.44	RT	0.71		70.9	63.8	63.8	63.8
25+89.28 TO 30+20.00	RT	0.85		85.2	76.7	76.7	76.7
STAGE 3							
I-57							
625+37.55 TO 628+71.44	LT	0.16	0.16	16.5	14.8	14.8	14.8
626+15.34 TO 628+74.44	RT	0.14	0.14	14.1	12.7	12.7	12.7
PROJECT TOTAL		**7.75**	**2.00**	**770**	**700**	**700**	**700**

NOTE: FERTILIZER APPLICATION RATE = 90 LB/ACRE
TEMPORARY EROSION CONTROL SEEDING INCLUDES 3 APPLICATIONS, APPLICATION RATE = 100 LB/ACRE

EXPLORATION TRENCH

LOCATION STATION TO STATION	SIDE	EXPLORATION TRENCH 52" DEPTH 21301052
		FOOT
CHAMPAIGN COUNTY		
STAGE 1		
MATTIS OVER I-74		
14+00.00 TO 18+00.00	LT	400.0
16+47.86	LT	30.0
20+00.00 TO 27+00.00	LT	700.0
MATTIS OVER I-57		
19+50.00 TO 23+50.00	RT	400.0
27+00.00 TO 30+00.00	RT	300.0
STAGE 2		
MATTIS OVER I-74		
15+55.27	RT	20.0
PROJECT TOTAL		**1,850**

GEOTEXTILE RETAINING WALL

LOCATION STATION TO STATION	SIDE	GEOTEXTILE RETAINING WALL 52200600
		SQ YD
CHAMPAIGN COUNTY		
STAGE 1		
MATTIS OVER I-74		
15+50.00 TO 17+58.79	LT	450
20+77.60 TO 22+50.94	LT	232
16+76.67 TO 16+76.67	LT/RT	59
MATTIS OVER I-57		
21+37.95 TO 23+10.16	RT	267
26+67.50 TO 28+85.90	RT	424
STAGE 1A		
MATTIS OVER I-74		
15+19.60 TO 16+76.67	RT	344.0
16+76.67 TO 16+76.67	RT	55.0
PROJECT TOTAL		**1,831**

GRANULAR EMBANKMENT, SPECIAL

LOCATION STATION TO STATION	SIDE	GRANULAR EMBANKMENT, SPECIAL 20600200
		CU YD
CHAMPAIGN COUNTY		
STAGE 1		
MATTIS OVER I-74		
15+19.60 TO 22+50.94	LT	1,305.0
MATTIS OVER I-57		
21+37.95 TO 28+85.90	RT	635.0
STAGE 1A		
MATTIS OVER I-74		
15+19.60 TO 17+00.00	CL	400.0
STAGE 2		
MATTIS OVER I-74		
15+19.60 TO 22+50.94	RT	1,110.0
MATTIS OVER I-57		
21+37.95 TO 28+85.90	LT	730.0
PROJECT TOTAL		**4,180**

RIPRAP

LOCATION STATION TO STATION	SIDE	STONE RIPRAP, CLASS A4 28100107	FILTER FABRIC 28200200
		SQ YD	SQ YD
CHAMPAIGN COUNTY			
STAGE 1			
MATTIS OVER I-74			
13+74.02	LT	4.7	4.7
14+30.00	LT	8.3	6.3
16+46.00	LT	8.0	6.0
21+74.00	LT	22.4	22.4
23+00.00	LT	5.7	5.7
MATTIS OVER I-57			
19+90.00	RT	4.6	4.6
22+82.00	RT	4.4	4.4
23+10.00	RT	25.6	25.6
27+27.00	RT	31.2	31.2
27+27.50	RT	5.8	5.8
29+65.00	RT	8.4	8.4
STAGE 2			
MATTIS OVER I-74			
14+00.00	RT	2.9	2.9
16+38.00	RT	5.4	5.4
20+05.00	RT	11.9	11.9
20+82.39	RT	5.4	5.4
22+50.03	RT	9.5	9.5
MATTIS OVER I-57			
19+90.00	LT	5.4	5.4
22+50.00	LT	11.8	11.8
22+50.00	LT	27.7	27.7
26+67.00	LT	36.8	36.8
26+96.00	LT	5.4	5.4
29+65.00	LT	7.8	7.8
PROJECT TOTAL		**256**	**256**

FILE NAME = D570B38-sht-schedule.dgn	USER NAME = bemery	DESIGNED - MKK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - MKK	REVISED -	
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -	
	PLOT DATE = 5/9/2019 - 6:43:17 AM	DATE - 05/07/2019	REVISED -	

SCHEDULES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	26
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL

LOCATION STATION TO STATION	SIDE	EROSION CONTROL BLANKET 25100630	HEAVY DUTY EROSION CONTROL BLANKET 25100635	TEMPORARY DITCH CHECKS 28000305	PERIMETER EROSION BARRIER 28000400	INLET & PIPE PROTECTION 28000500
		SQ YD	SQ YD	FOOT	FOOT	EACH
CHAMPAIGN COUNTY						
STAGE 1						
MATTIS OVER I-74						
13+42.90 TO 18+60.00	LT	4,230.4				
13+52.55	LT					1
14+00.00 TO 14+75.00	LT				77	
14+20.20	LT					1
14+28.11	LT			10.0		
14+29.72	LT					1
14+57.10	LT			10.0		
14+85.22	LT			10.0		
15+13.11	LT			10.0		
15+41.38	LT			10.0		
15+69.43	LT			10.0		
15+98.09	LT			10.0		
16+10.16	LT					1
16+25.54	LT			10.0		
16+45.90	LT					1
16+53.71	LT			10.0		
16+71.45	RT					1
16+79.50	RT					1
17+06.88	LT			10.0		
17+19.48	RT					1
21+07.20 TO 27+15.02	LT	4,287.0				
21+46.00	LT					1
22+58.68	LT			10.0		
22+99.89	LT					1
22+99.93	LT					1
23+04.34	LT			10.0		
23+66.21 TO 31+79.29	LT				1,009	
23+70.75	LT			10.0		
23+91.51	LT			10.0		
25+54.42	LT			10.0		
26+63.37	LT			10.0		
MATTIS OVER I-57						
19+35.00 TO 23+00.00	RT		1,789.3			
19+50.00 TO 23+96.23	RT	1,054.3				
19+95.71	RT			9.0		
21+00.48	RT			9.0		
22+05.24	RT			9.0		
23+56.19	RT					1
23+63.50	RT					1
23+90.73	RT			9.0		
24+22.89	RT			9.0		
26+47.85 TO 29+50.00	RT	2,055.7				
28+89.44	RT			10.0		
28+00.00 TO 29+50.00	RT				154	
29+50.00 TO 30+20.00	RT		289.8			
29+79.07	RT			9.1		
29+92.42	RT					1
30+04.01	RT					1
30+04.32	RT					1
I-74						
1081+86.50 TO 1083+84.72	R				414	
1082+60.14 TO 1086+65.50	R				240	
1085+59.70	RT			10.0		
1087+16.91	RT			10.0		

EROSION CONTROL

LOCATION STATION TO STATION	SIDE	EROSION CONTROL BLANKET 25100630	HEAVY DUTY EROSION CONTROL BLANKET 25100635	TEMPORARY DITCH CHECKS 28000305	PERIMETER EROSION BARRIER 28000400	INLET & PIPE PROTECTION 28000500
		SQ YD	SQ YD	FOOT	FOOT	EACH
STAGE 2						
MATTIS OVER I-74						
13+82.96 TO 17+89.60	RT	3,147.1				
14+00.06	RT					1
14+52.03	RT			10.0		
14+79.99	RT			10.0		
15+07.78	RT			10.0		
15+52.12	RT					1
15+35.65	RT			10.0		
15+63.52	RT			10.0		
15+91.39	RT			10.0		
16+00.00 TO 16+46.93	RT				49	
16+19.26	RT			10.0		
16+38.01	RT					1
16+47.13	RT			10.0		
20+24.60	RT			9.0		
20+33.40 TO 23+50.00	RT		2,045.2			
20+61.06	RT			9.0		
20+82.41	RT					1
20+98.39	RT			9.0		
21+33.99	RT			9.0		
21+71.32	RT			9.0		
22+25.28	RT					1
22+50.00	RT					1
23+49.76	RT					1
23+50.00 TO 23+94.00	RT	240.1				
MATTIS OVER I-57						
19+35.00 TO 20+00.00	LT		369.0			
19+55.00 TO 23+24.56	LT	1,537.2				
20+00.00 TO 21+54.91	LT				157	
20+15.00	LT			10.0		
25+55.05	LT			10.0		
25+77.93 TO 30+02.40	LT	3,519.7				
26+60.92	LT			10.0		
29+57.08	LT			9.4		
29+50.00 TO 30+20.00	LT		344.6			
I-74						
1085+89.65	LT			29.0		
1087+03.94	LT			38.7		
PROJECT TOTAL		**20,072**	**4,838**	**477**	**2,100**	**23**

SIDEWALK

LOCATION STATION TO STATION	SIDE	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH 42400300	* PROTECTIVE COAT 42001300	DETECTABLE WARNINGS 42400800
		SQ FT	SQ YD	SQ FT
CHAMPAIGN COUNTY				
STAGE 1				
MATTIS OVER I-74				
13+36.75 TO 13+39.58	LT			10
13+36.75 TO 14+00.00	LT	505.8	56	
14+00.00 TO 15+19.60	LT	837.1	93	
15+19.60 TO 16+76.74	LT	1063.9	118	
21+59.65 TO 22+50.94	LT	476.1	53	
22+50.94 TO 23+94.00	LT	1002.7	111	
23+94.00 TO 27+14.96	LT	2261.8	251	
27+10.01 TO 27+14.96	LT			10
MATTIS OVER I-57				
19+85.00 TO 21+37.95	RT	765.0	85	
21+37.95 TO 22+35.08	RT	485.6	54	
27+42.58 TO 28+85.90	RT	716.6	80	
28+85.90 TO 28+92.00	RT	30.5	3	
STAGE 2				
MATTIS OVER I-74				
13+47.96 TO 13+51.32	RT			11
13+47.96 TO 14+00.00	RT	411.9	46	
14+00.00 TO 15+19.60	RT	837.6	93	
15+19.60 TO 16+76.74	RT	1004.2	112	
21+59.65 TO 22+50.94	RT	603.0	67	
22+50.94 TO 23+94.00	RT	1000.6	111	
MATTIS OVER I-57				
19+85.00 TO 21+37.95	LT	765.0	85	
21+37.95 TO 22+35.08	LT	485.6	54	
27+42.58 TO 28+85.90	LT	716.5	80	
28+85.90 TO 28+92.00	LT	30.5	3	
PROJECT TOTAL		**14,001.0**	**1,556**	**31**

NOTES: * SEE PAVMENT SCHEDULE FOR ADDITIONAL QUANTITY

R.O.W. MARKERS

LOCATION STATION TO STATION	SIDE	OFFSET	FURNISHING AND ERECTING R.O.W. MARKERS 66600105
			EACH
CHAMPAIGN COUNTY			
STAGE 3			
MATTIS OVER I-74			
14+40.00	LT	105.00	1
16+75.00	LT	175.00	1
19+11.13	LT	185.00	1
26+55.00	LT	81.48	1
MATTIS OVER I-57			
19+35.00	LT	90.09	1
19+85.00	LT	125.00	1
23+30.00	RT	89.60	1
23+30.00	RT	105.00	1
24+43.12	RT	105.00	1
25+08.64	LT	145.00	1
28+06.47	RT	135.00	1
29+00.00	RT	120.00	1
29+10.00	LT	110.00	1
29+10.00	LT	94.10	1
30+10.00	RT	79.45	1
I-74			
1081+82.89	RT	115.23	1
1081+83.71	RT	147.59	1
1083+26.66	RT	115.35	1
1087+27.31	RT	144.01	1
		PROJECT TOTAL	**19**

FILE NAME = D570B38-sht-schedule.dgn	USER NAME = bemery	DESIGNED - MKK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SCHEDULES**	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MKK	REVISED -			57&74	*	CHAMPAIGN	264	27
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -			• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	PLOT DATE = 5/9/2019 - 6:43:22 AM	DATE - 05/07/2019	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

REMOVAL

LOCATION STATION TO STATION	SIDE	TREE REMOVAL (6 TO 15 UNITS DIAMETER) 20100110	TREE REMOVAL, ACRES 20100500	PAVEMENT REMOVAL 44000100	HOT-MIX ASPHALT SURFACE REMOVAL, 2" 44000157	PAVED SHOULDER REMOVAL 4404250	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH X4401198	COMBINATION CURB AND GUTTER REMOVAL 44000500	SIDEWALK REMOVAL 44000600	GUARDRAIL REMOVAL 63200310	GUARD POSTS REMOVAL X6340205	REMOVE IMPACT ATTENUATORS, NO SALVAGE X6430120	REMOVE ATTENUATOR BASE X6431110	FENCE REMOVAL Z0022800	REMOVAL OF EXISTING STRUCTURES 50100100	PIPE CULVERT REMOVAL 50105220	SIGN REMOVAL X7240300	DRAINAGE STRUCTURE TO BE REMOVED Z0018700	REMOVE RIGHT-OF-WAY MARKERS X666041
		UNIT	ACRE	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	SQ FT	FOOT	FOOT	EACH	EACH	FOOT	EACH	FOOT	EACH	EACH	EACH
CHAMPAIGN COUNTY																			
PRE-STAGE A																			
I-74																			
1086+68.60 TO 1088+42.75	RT									175.0									
1087+73.60 TO 1090+22.03	LT									248.0									
I-57																			
625+36.00 TO 626+11.00	RT									75.0									
625+87.51	LT										1								
625+92.21	LT										1								
625+97.06	LT										1								
626+01.84	RT										1								
626+46.00	RT											1	1						
626+88.00	RT											1	1						
627+22.00 TO 627+97.00	LT									75.0									
627+32.91	LT										1								
627+37.62	LT										1								
627+42.45	LT										1								
627+47.27	RT										1								
STAGE 1																			
MATTIS OVER I-74																			
13+36.15 TO 13+41.25	LT							9											
13+39.87	LT															34		1	
13+50.25 TO 13+55.00	LT							6											
14+00.00 TO 15+19.60	LT							120											
14+20.20	LT															38		1	
14+53.10	LT																1		
15+19.60 TO 16+76.74	LT			311.9				157											
16+10.21	LT															55		1	
16+76.74 TO 17+37.33	LT			208.9															
16+76.74 TO 18+05.11	LT							128											
17+46.92 TO 17+97.74	LT									52.0									
18+02.40	LT															95			
19+01.76	LT														0.5	131			
20+04.65																			
20+52.08 TO 21+52.50	LT							108											
20+58.22 TO 21+09.30	LT									52.0									
20+65.17 TO 21+52.50	LT			247.9															
21+52.50 TO 22+50.94	LT			305.7				91											
22+50.94 TO 23+94.00	LT							143											
22+99.78	LT															66		1	
26+25.19	LT																1		
27+10.02 TO 27+14.97	LT							5											
MATTIS OVER I-57																			
19+35.68 TO 23+30.82	RT									396.0									
21+37.95 TO 22+35.08	RT			120.4		33.1													
22+35.08 TO 22+50.16	RT			18.7		10.0													
23+53.67	RT																1		
23+80.23	RT	7																	
24+90.58	RT														0.5				
26+60.00 TO 27+50.00	RT		0.1																
26+85.76 TO 30+29.48	RT									344.0									
27+27.50 TO 27+42.58	RT			19.9		10.6													
27+42.58 TO 28+85.90	RT			185.2		96.8													
28+07.60	RT																1		
I-74																			
1082+70.00 TO 18+39.00	RT		0.4																
1082+82.00 TO 1084+75.00	LT		0.2																
1082+26.92 TO 1086+63.87	LT													452					
1083+27.70	LT																		1
1086+51.40 TO 1088+38.96	RT													220					
1087+03.94	RT																		1
I-57																			
623+52.49	RT																		1
625+63.96 TO 627+00.61	RT													137					
626+49.77	LT																		1
626+79.32	RT																		1
628+23.88 TO 629+49.42	LT													126					
629+49.74	LT																		1

SCHEDULE CONTINUED ON THE NEXT SHEET

FILE NAME = D570B38-sht-schedule.dgn	USER NAME = bemery	DESIGNED - MKK	REVISED -
		DRAWN - MKK	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:43:27 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	28
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

REMOVAL

LOCATION STATION TO STATION	SIDE	TREE REMOVAL (6 TO 15 UNITS DIAMETER) 20100110 UNIT	TREE REMOVAL, ACRES 20100500 ACRE	PAVEMENT REMOVAL 44000100 SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 2" 44000157 SQ YD	PAVED SHOULDER REMOVAL 4404250 SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH X4401198 SQ YD	COMBINATION CURB AND GUTTER REMOVAL 44000500 FOOT	SIDEWALK REMOVAL 44000600 SQ FT	GUARDRAIL REMOVAL 63200310 FOOT	GUARD POSTS REMOVAL X6340205 FOOT	REMOVE IMPACT ATTENUATORS, NO SALVAGE X6430120 EACH	REMOVE ATTENUATOR BASE X6431110 EACH	FENCE REMOVAL Z0022800 FOOT	REMOVAL OF EXISTING STRUCTURES 50100100 EACH	PIPE CULVERT REMOVAL 50105220 FOOT	SIGN REMOVAL X7240300 EACH	DRAINAGE STRUCTURE TO BE REMOVED Z0018700 EACH	REMOVE RIGHT-OF-WAY MARKERS X666041 EACH
STAGE 1A																			
MATTIS OVER I-74																			
15+19.60 TO 16+76.74	LT/RT			471.4															
STAGE 2																			
MATTIS OVER I-74																			
13+47.35 TO 14+00.00	RT							61											
13+48.91 TO 14+00.00	RT								262										
13+99.83	RT															37		1	
14+00.00 TO 15+19.60	RT							120	528										
15+19.60 TO 16+76.74	RT			302.3				157	770										
15+52.23	RT															36		1	
16+76.74 TO 17+37.33	RT			126.5															
16+76.74 TO 17+49.92	RT							73	346										
18+02.40	RT															130			
19+01.76	RT														0.5				
19+88.02 TO 23+45.95	RT															358			
19+92.85 TO 21+52.50	RT								886										
20+04.65	RT															80			
20+65.17 TO 21+59.65	RT			315.9				95											
21+59.65 TO 22+50.94	RT			304.4				91	439										
22+24.96	RT															50		1	
22+50.94 TO 23+94.00	RT							143	675										
MATTIS OVER I-57																			
19+35.00 TO 22+94.61	LT									359.0									
21+37.95 TO 22+35.58	LT			117.7		86.1													
22+35.58 TO 22+50.16	LT			18.0		10.6													
24+90.58	LT														0.5				
26+49.97 TO 30+16.98	LT									367.0									
27+27.50 TO 27+42.58	LT			17.4		10.7													
27+42.58 TO 28+85.90	LT			164.5		101.5													
I-74																			
1087+61.47 TO 1088+56.23	LT													107					
1089+28.79 TO 1090+85.76	RT													160					
I-57																			
622+85.60 TO 625+09.13	RT													224					
625+83.30 TO 627+68.91	LT													185					
STAGE 3																			
MATTIS OVER I-74																			
14+00.00 TO 14+80.54	LT						305.3												
14+00.00 TO 14+80.54	RT						304.3												
23+40.95 TO 23+94.00	LT						194.7												
23+40.95 TO 23+94.00	RT						195.4												
23+94.00 TO 26+54.47	LT				865.7														
23+94.00 TO 26+54.47	RT				881.2														
MATTIS OVER I-57																			
19+35.00 TO 19+95.83	LT						126.5												
19+35.00 TO 19+95.83	RT						132.6												
29+50.64 TO 30+20.00	LT						145.3												
29+50.64 TO 30+20.00	RT						152.4												
PROJECT TOTAL		**7**	**0.75**	**3,257**	**1,747**	**370**	**1,557**	**1,507**	**3,904**	**2,143.0**	**8**	**2**	**2**	**1,611**	**2**	**1,110**	**4**	**7**	**6**

FILE NAME = D570838-sht-schedule.dgn Default	USER NAME = bemery	DESIGNED - MKK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SCHEDULES**	F.A.I RTE.	SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
		DRAWN - MKK	REVISED -			57&74	* / CHAMPAIGN / 264 / 29
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -			• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38
	PLOT DATE = 5/9/2019 - 6:43:32 AM	DATE - 05/07/2019	REVISED -		SCALE: N.T.S. / SHEET OF SHEETS / STA. / TO STA.		ILLINOIS / FED. AID PROJECT

PAVEMENT

LOCATION STATION TO STATION	SIDE	COMMENT	BITUMINOUS MATERIALS (PRIME COAT) 40600275	BITUMINOUS MATERIALS (TACK COAT) 40600290	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 40603540	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N-70 40603235	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N-70 40603085	TEMPORARY RAMP 40600990	BASE COURSE (OPTION) Z0002900	BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL) X4201410	* PARAPET RAILING 50901750	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 60605000	** PROTECTIVE COAT 42001300	HOT-MIX ASPHALT SHOULDER CURB 66101150
			POUND	POUND	TON	TON	TON	SQ YD	SQ YD	SQ YD	FOOT	FOOT	SQ YD	FOOT
CHAMPAIGN COUNTY														
PRE-STAGE A														
MATTIS OVER I-57														
18+54.00 TO 19+35.00	RT	SHLDR RECONST.	162.0	16					72.0					
19+14.00 TO 19+35.00	LT	SHLDR RECONST.	17.2	2					7.7					
19+35.00 TO 19+54.77	RT	SHLDR RECONST.	40.4	4					18.0					
19+35.00 TO 21+37.95	LT	SHLDR RECONST.	154.6	15					68.7					
21+37.95 TO 22+35.08	LT	SHLDR RECONST.	75.0	8					33.4					
22+35.08 TO 23+13.76	LT	SHLDR RECONST.	65.0	7					28.9					
26+50.20 TO 27+42.58	LT	SHLDR RECONST.	78.7	8					35.0					
27+42.58 TO 28+85.90	LT	SHLDR RECONST.	131.4	13					58.4					
28+85.90 TO 30+20.00	LT	SHLDR RECONST.	107.2	11					47.6					
30+20.00 TO 30+61.00	LT	SHLDR RECONST.	33.9	3.4					15.1					
30+20.00 TO 31+15.00	RT	SHLDR RECONST.	183.3	18.3					81.5					
STAGE 1														
MATTIS OVER I-74														
13+36.15 TO 13+41.25	LT											9.0	3.0	
13+50.25 TO 13+55.00	LT											6.0	2.0	
14+00.00 TO 15+19.60	LT											120.0	40.0	
14+86.23 TO 15+19.60	LT	WIDENING		1.0			1.4							
14+86.23 TO 15+19.60	LT	SHOULDER		3.3		3.4								
14+86.23 TO 15+19.60	LT	MAINLINE		10.8		11.1								
15+19.60 TO 16+76.74	LT	SHOULDER	157.2	31.4		8.8	19.6					157.0	52.3	
15+19.60 TO 16+76.74	LT	MAINLINE	510.7	102.1		28.6	63.6							
16+70.07 TO 16+76.74	LT	RAMP						12.6						
16+76.74 TO 17+58.89	LT	CONNECTOR								303.1				
21+10.53 TO 21+59.65	LT	CONNECTOR								138.9				
21+59.65 TO 22+66.32	LT	RAMP						23.7						
21+59.65 TO 22+50.94	LT	SHOULDER	91.0	18.3		5.1	11.3					91.5	30.5	
21+59.65 TO 22+50.94	LT	MAINLINE	639.0	127.8		35.8	79.5							
22+50.94 TO 23+14.45	LT	SHOULDER		6.4		6.5								
22+50.94 TO 23+14.45	LT	MAINLINE		44.5		45.6								
22+50.94 TO 23+94.00	LT	WIDENING		25.8			36.2					143.5	47.8	
27+10.02 TO 27+14.97	LT											5.0	1.7	
MATTIS OVER I-57														
19+35.00 TO 19+95.83	RT	BUFFER			0.5									
19+54.77 TO 20+26.21	RT	SHLDR RECONST.	156.9	15.7					69.7					
19+85.00 TO 22+35.08	RT	SHOULDER CURB												251.0
19+95.83 TO 20+26.21	RT	BUFFER			1.5									
20+26.21 TO 21+37.95	RT	MAINLINE		27.9		28.7								
20+26.21 TO 21+37.95	RT	SHOULDER	118.3	33.7		23.9	13.0							
20+26.21 TO 21+37.95	RT	BUFFER			5.6									
21+37.95 TO 22+35.08	RT	MAINLINE	242.8	48.6		13.6	30.2							
21+37.95 TO 22+35.08	RT	SHOULDER	213.0	40.1		11.2	25.9							
21+37.95 TO 22+35.08	RT	BUFFER			4.8									
22+28.41 TO 22+35.08	RT	RAMP						13.3						
22+35.08 TO 23+01.74	RT	CONNECTOR									66.7			
22+35.08 TO 23+09.24	RT	CONNECTOR								185.0				
27+00.00 TO 27+42.58	RT	CONNECTOR								88.2				
27+17.50 TO 27+42.58	RT	CONNECTOR									25.1			
27+42.58 TO 29+70.00	RT	SHOULDER CURB												228.0
27+42.58 TO 27+49.25	RT	RAMP						13.3						
27+42.58 TO 28+85.90	RT	MAINLINE	358.3	71.7		20.1	44.6							
27+42.58 TO 28+85.90	RT	SHOULDER	324.6	59.2		16.6	38.2							
27+42.58 TO 28+85.90	RT	BUFFER			7.1									
28+85.90 TO 29+40.79	RT	MAINLINE		13.7		14.1								
28+85.90 TO 29+40.79	RT	SHOULDER	50.8	15.8		11.8	5.5							
28+85.90 TO 29+40.79	RT	BUFFER			0.3									
29+40.79 TO 30+20.00	RT	SHLDR RECONST.	163.9	16.4					72.9					
STAGE 1A														
MATTIS OVER I-74														
14+86.23 TO 15+19.60	LT/RT	MAINLINE		25.0		25.7								
15+19.60 TO 16+76.74	LT/RT	MAINLINE	1,178.5	235.7		66.0	146.7							
16+70.07 TO 16+76.74	LT/RT	RAMP						11.1						

SCHEDULE CONTINUED ON THE NEXT SHEET

FILE NAME = D570838-sht-schedule.dgn	USER NAME = bemery	DESIGNED - MKK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - MKK	REVISED -	
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -	
	PLOT DATE = 5/9/2019 - 6:43:36 AM	DATE - 05/07/2019	REVISED -	

SCHEDULES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	30
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		

PAVEMENT

LOCATION STATION TO STATION	SIDE	COMMENT	BITUMINOUS MATERIALS (PRIME COAT) 40600275	BITUMINOUS MATERIALS (TACK COAT) 40600290	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 40603540	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N-70 40603235	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N-70 40603085	TEMPORARY RAMP 40600990	BASE COURSE (OPTION) Z0002900	BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL) X4201410	* PARAPET RAILING 50901750	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 60605000	** PROTECTIVE COAT 42001300	HOT-MIX ASPHALT SHOULDER CURB 66101150
			POUND	POUND	TON	TON	TON	SQ YD	SQ YD	SQ YD	FOOT	FOOT	SQ YD	FOOT
STAGE 2														
MATTIS OVER I-74														
13+47.48 TO 13+92.63	RT											53.0	22.4	
13+92.63 TO 14+00.00	RT	WIDENING		0.6			0.9					7.5	2.5	
14+00.00 TO 15+19.60	RT	WIDENING		9.1			14.2					119.5	39.8	
14+86.23 TO 15+19.60	RT	MAINLINE		14.2		14.6								
14+86.23 TO 15+19.60	RT	SHOULDER		3.3		3.4								
15+19.60 TO 16+76.74	RT	MAINLINE	667.9	133.6		37.4	83.1					157.0	52.3	
15+19.60 TO 16+76.74	RT	SHOULDER	157.2	52.5		8.8	19.6							
16+70.07 TO 16+76.74	RT	RAMP						26.7						
16+76.74 TO 17+29.55	RT	CONNECTOR								162.5				
20+72.55 TO 21+59.65	RT	CONNECTOR								325.4				
21+59.65 TO 21+66.32	RT	RAMP						26.7						
21+59.65 TO 22+50.94	RT	MAINLINE	730.3	146.1		40.9	90.9					91.5	30.5	
21+59.65 TO 22+50.94	RT	SHOULDER	91.3	18.2		5.1	11.4							
21+59.65 TO 23+14.45	RT	MAINLINE		50.8		52.2								
22+50.94 TO 23+14.45	RT	SHOULDER		6.4		6.5								
22+50.94 TO 23+94.00	RT	WIDENING		24.9			34.8					143.5	47.8	
MATTIS OVER I-57														
19+35.00 TO 19+95.83	LT	BUFFER			0.5									
19+35.00 TO 19+95.83	LT	SHOULDER	43.7	6.8		1.8	4.5							
19+85.00 TO 22+35.08	LT	SHOULDER CURB												251.0
19+95.83 TO 20+26.21	LT	BUFFER			1.5									
19+95.83 TO 20+26.21	LT	SHOULDER	31.6	5.3		1.4	3.5							
20+26.21 TO 21+37.95	LT	BUFFER			5.6									
20+26.21 TO 21+37.95	LT	SHOULDER	117.7	33.7		23.9	12.9							
20+26.21 TO 21+37.95	LT	MAINLINE		39.1		40.2								
21+37.95 TO 22+35.08	LT	BUFFER			4.8									
21+37.95 TO 22+35.08	LT	SHOULDER	220.0	40.9		11.2	25.9							
21+37.95 TO 22+35.08	LT	MAINLINE	339.9	54.1		19.0	42.3							
22+28.41 TO 22+35.08	LT	RAMP						10.4						
22+35.08 TO 22+60.16	LT	CONNECTOR									25.1			
22+35.08 TO 22+81.66	LT	CONNECTOR								108.1				
26+68.42 TO 27+32.50	LT	CONNECTOR								204.9				
26+75.92 TO 27+42.58	LT	CONNECTOR									66.7			
27+42.58 TO 29+70.00	LT	SHOULDER CURB												228.0
27+42.58 TO 27+49.25	LT	RAMP						10.4						
27+42.58 TO 28+85.90	LT	BUFFER			7.1									
27+42.58 TO 28+85.90	LT	SHOULDER	324.6	60.3		16.6	38.2							
27+42.58 TO 28+85.90	LT	MAINLINE	501.6	100.4		28.1	62.4							
28+85.90 TO 29+40.79	LT	BUFFER			0.3									
28+85.90 TO 29+40.79	LT	SHOULDER	60.9	16.8		11.8	6.7							
28+85.90 TO 29+40.79	LT	MAINLINE		19.2		19.7								
29+40.79 TO 29+50.64	LT	SHOULDER	10.5	1.7		0.5	1.2							
29+50.64 TO 30+20.00	LT	SHOULDER	53.5	8.4		2.2	5.6							

SCHEDULE CONTINUED ON THE NEXT SHEET

PAVEMENT

LOCATION STATION TO STATION	SIDE	COMMENT	BITUMINOUS MATERIALS (PRIME COAT) 40600275	BITUMINOUS MATERIALS (TACK COAT) 40600290	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 40603540	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N-70 40603235	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N-70 40603085	TEMPORARY RAMP 40600990	BASE COURSE (OPTION) Z0002900	BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL) X4201410	* PARAPET RAILING 50901750	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 60605000	** PROTECTIVE COAT 42001300	HOT-MIX ASPHALT SHOULDER CURB 66101150
			POUND	POUND	TON	TON	TON	SQ YD	SQ YD	SQ YD	FOOT	FOOT	SQ YD	FOOT
STAGE 3														
MATTIS OVER I-74														
14+00.00 TO 14+80.54	LT	SHOULDER		8.3	4									
14+00.00 TO 14+80.54	LT	MAINLINE		60.4	30									
14+00.00 TO 14+80.54	RT	MAINLINE		60.4	30									
14+00.00 TO 14+80.54	RT	SHOULDER		8.1	4									
14+80.54 TO 14+86.23	LT	SHOULDER		0.6	0.4									
14+80.54 TO 14+86.23	LT	MAINLINE		4.3	2.7									
14+80.54 TO 14+86.23	RT	MAINLINE		4.3	2.7									
14+80.54 TO 14+86.23	RT	SHOULDER		0.6	0.4									
14+86.23 TO 15+19.60	LT	SHOULDER		3.3	1.7									
14+86.23 TO 15+19.60	LT	MAINLINE		25.0	12.5									
14+86.23 TO 15+19.60	RT	MAINLINE		25.0	12.5									
14+86.23 TO 15+19.60	RT	SHOULDER		3.3	1.7									
15+19.60 TO 16+76.74	LT	SHOULDER		15.7	7.8									
15+19.60 TO 16+76.74	LT	MAINLINE		117.9	58.7									
15+19.60 TO 16+76.74	RT	MAINLINE		117.9	58.7									
15+19.60 TO 16+76.74	RT	SHOULDER		15.7	7.8									
21+59.65 TO 22+50.94	LT	SHOULDER		9.1	4.5									
21+59.65 TO 22+50.94	LT	MAINLINE		68.5	34.1									
21+59.65 TO 22+50.94	RT	MAINLINE		68.5	34.1									
21+59.65 TO 22+50.94	RT	SHOULDER		9.1	4.5									
22+50.94 TO 23+14.45	LT	SHOULDER		6.4	3.2									
22+50.94 TO 23+14.45	LT	MAINLINE		47.6	23.7									
22+50.94 TO 23+14.45	RT	MAINLINE		47.6	23.7									
22+50.94 TO 23+14.45	RT	SHOULDER		6.4	3.2									
23+14.45 TO 23+40.95	LT	SHOULDER		2.7	1.6									
23+14.45 TO 23+40.95	LT	MAINLINE		19.9	12.4									
23+14.45 TO 23+40.95	RT	MAINLINE		19.9	12.4									
23+14.45 TO 23+40.95	RT	SHOULDER		2.7	1.6									
23+40.95 TO 23+94.00	LT	SHOULDER		4.0	2.0									
23+40.95 TO 23+94.00	LT	MAINLINE		39.7	19.8									
23+40.95 TO 23+94.00	RT	MAINLINE		39.9	19.9									
23+40.95 TO 23+94.00	RT	SHOULDER		4.0	2.0									
23+94.00 TO 26+54.47	LT	MAINLINE		389.6	97.0									
23+94.00 TO 26+54.47	RT	MAINLINE		396.6	96.0									
MATTIS OVER I-57														
19+35.00 TO 19+95.83	LT	SHOULDER		11.0	5.5									
19+35.00 TO 19+95.83	LT	MAINLINE		34.9	8.7									
19+35.00 TO 19+95.83	RT	MAINLINE		35.3	8.8									
19+35.00 TO 19+95.83	RT	SHOULDER		12.2	6.1									
19+95.83 TO 20+26.21	LT	SHOULDER		6.1	3.8									
19+95.83 TO 20+26.21	LT	MAINLINE		18.2	5.7									
19+95.83 TO 20+26.21	RT	MAINLINE		18.2	5.7									
19+95.83 TO 20+26.21	RT	SHOULDER		12.2	3.8									
20+26.21 TO 21+37.95	LT	SHOULDER		22.4	11.2									
20+26.21 TO 21+37.95	LT	MAINLINE		33.5	16.7									
20+26.21 TO 21+37.95	RT	MAINLINE		33.5	16.7									
20+26.21 TO 21+37.95	RT	SHOULDER		22.3	11.1									
21+37.95 TO 22+35.08	LT	SHOULDER		19.4	9.7									
21+37.95 TO 22+35.08	LT	MAINLINE		29.1	14.5									
21+37.95 TO 22+35.08	RT	MAINLINE		29.1	14.5									
21+37.95 TO 22+35.08	RT	SHOULDER		19.4	9.7									
27+42.58 TO 28+85.90	LT	SHOULDER		28.7	14.3									
27+42.58 TO 28+85.90	LT	MAINLINE		43.0	21.4									
27+42.58 TO 28+85.90	RT	MAINLINE		43.0	21.4									
27+42.58 TO 28+85.90	RT	SHOULDER		28.7	14.3									
28+85.90 TO 29+40.79	LT	SHOULDER		11.0	5.5									
28+85.90 TO 29+40.79	LT	MAINLINE		16.5	8.2									
28+85.90 TO 29+40.79	RT	MAINLINE		16.5	8.2									
28+85.90 TO 29+40.79	RT	SHOULDER		11.0	5.5									
29+40.80 TO 29+50.65	LT	SHOULDER		2.0	1.2									
29+40.80 TO 29+50.65	LT	MAINLINE		5.9	1.8									
29+40.80 TO 29+50.65	RT	MAINLINE		5.9	1.8									
29+40.80 TO 29+50.65	RT	SHOULDER		2.0	1.2									
29+50.65 TO 30+20.01	LT	SHOULDER		12.7	6.3									
29+50.65 TO 30+20.01	LT	MAINLINE		40.1	10.0									
29+50.65 TO 30+20.01	RT	MAINLINE		41.1	10.2									
29+50.65 TO 30+20.01	RT	SHOULDER		13.7	6.8									
PROJECT TOTAL			**8,605**	**4,258**	**962**	**722**	**974**	**149**	**609**	**1,517**	**184**	**1,104.0**	**373**	**958**

NOTES: * SEE STRUCTURE PLANS BILL OF MATERIALS FOR ADDITIONAL QUANTITY
** SEE SIDEWALK SCHEDULE FOR ADDITIONAL QUANTITY

LONGITUDINAL JOINT SEALANT

LOCATION STATION TO STATION	SIDE	LONGITUDINAL JOINT SEALANT Z0033700
		FOOT
CHAMPAIGN COUNTY		
STAGE 1		
MATTIS OVER I-74		
15+19.60 TO 16+83.89	LT	157.2
21+52.50 TO 22+50.94	LT	182.6
STAGE 1A		
MATTIS OVER I-74		
15+19.60 TO 16+83.89	LT	157.20
15+19.60 TO 16+83.89	RT	157.20
STAGE 2		
MATTIS OVER I-74		
15+19.60 TO 16+83.89	RT	157.2
21+52.50 TO 22+50.94	RT	182.6
MATTIS OVER I-57		
21+37.95 TO 22+50.16	CL	97.2
27+27.50 TO 28+85.90	CL	143.30
STAGE 3		
MATTIS OVER I-74		
14+00.00 TO 16+83.89	LT	553.6
14+00.00 TO 16+83.89	RT	553.6
21+52.50 TO 26+54.73	LT	990.0
21+52.50 TO 26+54.73	RT	990.0
MATTIS OVER I-57		
19+35.00 TO 22+50.16	CL	300.0
27+27.50 TO 30+20.00	CL	277.5
PROJECT TOTAL		**4,900**

FILE NAME = D570B38-sht-schedule.dgn	USER NAME = bemery	DESIGNED - MKK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - MKK	REVISED -	
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -	
	PLOT DATE = 5/9/2019 - 6:43:45 AM	DATE - 05/07/2019	REVISED -	

SCHEDULES

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	32
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

DRAINAGE

LOCATION STATION TO STATION	SIDE	TRENCH BACKFILL 20800150	INLETS, TYPE A, TYPE 3 FRAME AND GRATE 60235700	INLETS, TYPE B, TYPE 3 FRAME AND GRATE 60240220	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE 60219000	TYPE E INLET BOX, STANDARD 610001 61000115	PIPE CULVERTS, CLASS A 24" (JACKED) 542JA024	PIPE CULVERTS, CLASS A 36" (JACKED) 542JA036	PIPE CULVERTS, CLASS A 48" (JACKED) 542JA048	PIPE CULVERTS, CLASS A,TYPE 1 24" 542A0229	PIPE CULVERTS, CLASS A,TYPE 1 36" 542A0241	STORM SEWERS, CLASS A, TYPE 2 15" 550A0380	PIPE DRAINS 12" 60100945	CONCRETE THRUST BLOCKS 61000050	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" 54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" 54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48" 54213693	END SECTIONS 12" 54213447	CONCRETE GUTTER, TYPE B 60602800	GRADING AND SHAPING DITCHES 21400100
		CU YD	EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	FOOT	FOOT
CHAMPAIGN COUNTY																				
STAGE 1																				
MATTIS OVER I-74																				
13+52.59	LT		1										36	1				1		
14+30.00	LT		1										42	1				1		
16+46.00	LT		1										90	1				1		
16+71.50	CL							239								2				
16+78.50	CL							239								2				
21+46.00	LT			1																
21+47.00 TO 22+99.00	LT	24										152								
23+00.00	LT			1									70	1				1		
23+53.00	LT										13					2				
31+50.00	LT									18					2					
MATTIS OVER I-57																				
19+90.00	RT					1							56	1				1		
22+78.67	CL								234								2			
22+82.00	RT					1							66	1				1		
22+91.16	CL								234								2			
27+27.50	RT					1							82	1				1		
29+65.00	RT					1							49	1				1		
29+92.50	CL							112								2				
STAGE 2																				
MATTIS OVER I-74																				
14+00.00	RT		1										31	1				1		
16+38.00	RT		1										87	1				1		
20+05.55 TO 21+71.07	LT/RT																		235.0	
20+82.00	RT		1										59	1				1		
22+50.00	RT		1										47	1				1		
23+50.00	RT				1															
23+50.00	CL						179								1					
23+52.00 TO 27+01.00	RT																			350
MATTIS OVER I-57																				
19+90.00	LT					1							79	1				1		
22+50.00	LT					1							67	1				1		
26+96.00	LT					1							87	1				1		
29+65.00	LT					1							49	1				1		
PROJECT TOTAL		**24**	**7**	**2**	**1**	**8**	**179**	**590**	**468**	**18**	**13**	**152**	**997**	**16**	**3**	**8**	**4**	**16**	**235.0**	**350**

FILE NAME = D570B38-sht-schedule.dgn Default	USER NAME = bemery	DESIGNED - MKK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SCHEDULES**	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MKK	REVISED -			57&74	*	CHAMPAIGN	264	33
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -			• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	PLOT DATE = 5/9/2019 - 6:43:50 AM	DATE - 05/07/2019	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

PAVEMENT MARKING

LOCATION STATION TO STATION	SIDE	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING 78000100	THERMOPLASTIC PAVEMENT MARKING 78000200		THERMOPLASTIC PAVEMENT MARKING 78000400	THERMOPLASTIC PAVEMENT MARKING 78000600	THERMOPLASTIC PAVEMENT MARKING 78000650	POLYUREA PAVEMENT MARKING TYPE II 78008300	POLYUREA PAVEMENT MARKING TYPE II 78008310		POLYUREA PAVEMENT MARKING TYPE II 78008350	GROOVING FOR RECESSED PAVEMENT MARKING X7830070		GROOVING FOR RECESSED PAVEMENT MARKING X7830074	GROOVING FOR RECESSED PAVEMENT MARKING X7830078	GROOVING FOR RECESSED PAVEMENT MARKING X7830090	GROOVING FOR RECESSED PAVEMENT MARKING X7830060
			LETTERS AND SYMBOLS	LINE 4"		LINE 6"	LINE 12"	LINE 24"	LETTERS AND SYMBOLS	LINE 4"		LINE 12"	5"		7"	13"	25"	LETTERS AND SYMBOLS
			WHITE	WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	WHITE	YELLOW	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE	YELLOW
			SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
CHAMPAIGN COUNTY																		
STAGE 3																		
MATTIS OVER I-74																		
*17+50.00 TO 11+45.74	LT	SKIP DASH		152									152					
*11+75.24 TO 12+29.26	LT	SKIP DASH		14									14					
12+48.64 TO 13+38.17	LT	CROSS WALK				89									89			
12+48.92 TO 13+34.39	LT	CROSS WALK				85									85			
12+57.08	LT	STOP BAR						35									35	
13+57.81 TO 15+57.81	CL	CL SOLID		200									200					
13+57.81 TO 27+00.00	LT	SKIP DASH		216						121			216					
13+57.81 TO 25+00.00	RT	SKIP DASH		166						121			166					
13+57.81 TO 27+02.86	LT/RT	DOUBLE YELLOW			3,072						1,932			3,072				
13+62.76		STOP BAR						40									40	
14+00.00 TO 23+94.00	LT	EDGE		512						483			512					
14+00.00 TO 23+94.00	RT	EDGE		512						483			512					
14+09.24	CL	LEFT TURN ARROW	16															16
14+17.92	RT	BICYCLE & ARROW	9															9
15+29.36	CL	LEFT TURN ARROW	16															16
15+57.81 TO 27+02.86	CL	DIAGONAL					492					405				492		
20+75.00	RT	LANE DROP ARROW							42									
22+55.00	RT	LANE DROP ARROW	42															42
23+40.00 TO 25+00.00	RT	DOTTED		54									54					
23+40.93	LT	BICYCLE & ARROW	9															9
25+00.00 TO 27+02.86	RT	CL SOLID		203									203					
25+07.93	RT	RIGHT TURN ARROW	16															16
25+69.51	RT	RIGHT TURN ARROW	16															16
26+27.19	RT	RIGHT TURN ARROW	16															16
27+00.00 TO 27+73.60	LT	DOTTED		37									37					
27+09.00	LT	CROSS WALK				79									79			
27+15.00	LT	CROSS WALK				79									79			
28+07.51 TO 29+25.00	LT	CL SOLID		118									118					
28+07.51 TO 29+25.00	LT	SKIP DASH		30									30					
MATTIS OVER I-57																		
19+35.00 TO 30+20.00	LT	EDGE		579						508			579					
19+35.00 TO 30+20.00	CL	DOUBLE YELLOW			1,156						1,015			1,156				
19+35.00 TO 30+20.00	RT	EDGE		579						508			579					
20+12.99	RT	BICYCLE & ARROW	9															9
29+42.01	LT	BICYCLE & ARROW	9															9
COLOR SUBTOTAL				3,372	4,228					2,224	2,947		3,372	4,228				
PROJECT TOTAL			156	7,600		332	492	75	42	5,171		405	7,600		332	492	75	156

WOVEN WIRE FENCE

LOCATION STATION TO STATION	SIDE	WOVEN WIRE FENCE 66500105
		FOOT
CHAMPAIGN COUNTY		
STAGE 3		
I-74		
1082+26.91 TO 1085+41.52	LT	310.0
1086+51.40 TO 1088+41.71	RT	194.0
1087+34.50 TO 1088+56.23	LT	121.0
1089+51.90 TO 1090+85.77	RT	138.00
I-57		
622+85.92 TO 624+83.33	RT	213.0
625+80.83 TO 627+00.81	RT	183.0
625+83.30 TO 627+49.74	LT	167.0
628+47.24 TO 629+50.57	LT	104.0
MATTIS OVER I-74		
21+11.22 TO 26+41.85	LT	533.0
PROJECT TOTAL		**1,963**

CHANGEABLE MESSAGE SIGN

LOCATION STATION TO STATION	NUMBER OF SIGNS	WORKING DAYS	ADDITIONAL DAYS	CHANGEABLE MESSAGE SIGN 70107025
	EACH	DAY	CAL DAY	CAL DAY
CHAMPAIGN COUNTY				
MATTIS OVER I-57 DETOUR				
I-57	2	8	21	58
I-74	2	8	21	58
MATTIS OVER I-57 DETOUR				
I-57	2	12	21	66
I-74	2	12	21	66
PROJECT TOTAL				**248**

SEE DETOUR PLANS FOR APPROXIMATE LOCATIONS. 3 WEEKS NOTICE NEEDED PRIOR TO ROAD CLOSURE.

PERMANENT BENCHMARKS

LOCATION STATION TO STATION	PERMANENT BENCH MARKS Z0038700
	EACH
CHAMPAIGN COUNTY	
STAGE 3	
MATTIS OVER I-74	
SN 010-1270	1
MATTIS OVER I-57	
SN 010-1100	1
PROJECT TOTAL	**2**

FILE NAME = D570B38-sht-schedule.dgn	USER NAME = bemery	DESIGNED - MKK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - MKK	REVISED -	
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -	
	PLOT DATE = 5/9/2019 - 6:43:54 AM	DATE - 05/07/2019	REVISED -	

SCHEDULES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	CHAMPAIGN	264	34
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
ILLINOIS	FED. AID PROJECT			

GUARDRAIL

LOCATION STATION TO STATION	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS 63000001	TRAFFIC BARRIER TERMINAL, TYPE 2 63100045	TRAFFIC BARRIER TERMINAL, TYPE 6 63100085	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT 63100167	GUARDRAIL REFLECTORS, TYPE A 78200005	TERMINAL MARKER - DIRECT APPLIED 72501000
		FOOT	EACH	EACH	EACH	EACH	EACH
CHAMPAIGN COUNTY							
STAGE 1							
MATTIS OVER I-74							
16+91.80	LT						1
16+91.80 TO 17+41.92	LT				1		
16+91.80 TO 17+81.32	LT					4	
17+41.92 TO 17+81.32	LT			1			
21+27.15 TO 22+41.53	LT					4	
21+27.15 TO 21+66.55	LT			1			
21+66.55 TO 21+91.55	LT	25.0					
21+91.55 TO 22+41.53	LT				1		
22+41.53	LT						1
MATTIS OVER I-57							
19+35.68 TO 21+98.18	RT	262.5					
19+35.68 TO 22+37.58	RT					5	
21+98.18 TO 22+37.58	RT			1			
27+40.08 TO 27+79.48	RT			1			
27+40.08 TO 30+29.48	RT					4	
27+79.48 TO 30+29.48	RT	250.0					
STAGE 2							
MATTIS OVER I-74							
16+19.86	RT						1
16+19.86 TO 16+69.84	RT				1		
16+19.86 TO 17+09.24	RT					4	
16+69.84 TO 17+09.24	RT			1			
20+55.05 TO 20+94.44	RT			1			
20+55.05 TO 23+94.44	RT					4	
20+94.44 TO 23+44.31	RT	250.0					
23+44.31 TO 23+94.44	RT				1		
23+94.44	RT						1
MATTIS OVER I-57							
19+35.69 TO 21+98.18	LT	262.5					
19+35.69 TO 22+37.58	LT					5	
21+98.18 TO 22+37.58	LT			1			
27+40.08 TO 27+79.48	LT			1			
27+40.08 TO 30+16.98	LT					4	
27+79.48 TO 30+16.98	LT	237.5					
I-74							
1086+55.64	RT						1
1086+55.64 TO 1087+05.52	RT				1		
1086+55.64 TO 1088+42.75	RT					4	
1087+05.52 TO 1088+30.27	RT	125.0					
1087+35.91 TO 1087+48.43	LT		1				
1087+35.91 TO 1090+23.00	LT					4	
1087+48.43 TO 1089+73.83	LT	225.0					
1088+30.27 TO 1088+42.75	RT		1				
1089+73.83 TO 1090+23.88	LT				1		
1090+23.88	LT						1
I-57							
625+36.00 TO 625+48.50	RT		1				
627+84.50 TO 627+97.00	LT		1				
PROJECT TOTAL		**1,637.5**	**4**	**8**	**6**	**42**	**6**

IMPACT ATTENUATORS

LOCATION STATION TO STATION	SIDE	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3 64300450	ATTENUATOR BASE 64301090
		EACH	SQ YD
CHAMPAIGN COUNTY			
STAGE 3			
I-57			
626+28.00	CL	1	51
627+05.00	CL	1	51
PROJECT TOTAL		**2**	**102**

TEMPORARY PAVEMENT MARKING

LOCATION STATION TO STATION	SIDE	DESCRIPTION	TEMPORARY PAVEMEMNT MARKING LETTERS AND SYMBOLS 70300210	TEMPORARY PAVEMENT MARKING 70300220 LINE 4"		TEMPORARY PAVEMENT MARKING 70300280 LINE 24"	SHORT TERM PAVEMENT MARKING 70300100 LINE 4"		SHORT TERM PAVEMENT MARKING REMOVAL 70300150	PAVEMENT MARKING REMOVAL - GRINDING X0327979	
				WHITE	YELLOW	WHITE	WHITE	YELLOW		WHITE	YELLOW
			SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	SQ FT
CHAMPAIGN COUNTY											
STAGE 1											
MATTIS OVER I-74											
*17+50.96 TO 12+15.37	*LT	SKIP DASH								44.7	
*14+18.56 TO 12+15.37	*LT	DOTTED		51							
*12+15.37 TO 11+45.74	*LT	EDGE		70						42	
*12+08.94	*LT	LT TURN ARROW	15.6								
*11+62.97	*LT	LT TURN ARROW	15.6								
11+75.24 TO 12+26.46	RT	EDGE		54							
12+06.69	RT	LT TURN ARROW	15.6								
13+51.58	RT	STOP BAR				13					
13+51.58 TO 14+81.95	RT	EDGE		129							
13+51.58 TO 14+81.95	LT	CHEVRON		62							
13+51.58 TO 14+81.95	LT	EDGE		130							
13+51.58 TO 27+01.77	RT	DOUBLE YELLOW			2,702						
13+53.58 TO 15+19.60	RT	DOUBLE YELLOW									111
13+53.58 TO 15+00.00	LT	EDGE								49	
13+73.35	RT	LT TURN ARROW	15.6								
14+46.23	CL	SYMBOL								16	
14+28.46	RT	LT TURN ARROW	15.6								
15+19.60 TO 16+81.75	RT	CL SOLID									54
15+19.60 TO 16+88.89	RT	CL SOLID									57
14+81.95 TO 16+01.16	RT	DOTTED		30							
14+80.96	RT	LT TURN ARROW	15.6								
15+19.60 TO 16+49.10	RT	DOUBLE YELLOW									86
15+30.00	CL	SYMBOL								16	
15+35.85 TO 15+99.00	RT	DOUBLE YELLOW									42
15+70.75 TO 16+33.48	RT	DIAGONAL									15
16+88.89 TO 23+94.00	RT	CL SOLID									253
19+12.61 TO 27+32.40	LT	EDGE		1,381							
23+52.44 TO 27+05.56	RT	DIAGONAL									189
23+94.00 TO 27+05.56	RT	DOUBLE YELLOW									209
25+80.83 TO 27+04.56	LT	DOUBLE YELLOW									87
27+88.73 TO 33+40.01	LT	EDGE								185	
28+09.00 TO 31+62.20	RT	SKIP DASH								30	
28+09.11 TO 33+50.00	LT	EDGE		544							
MATTIS OVER I-57											
17+72.00	RT	STOP BAR				12					
17+81.79 TO 19+35.00	CL	DOUBLE YELLOW									102
17+82.00 TO 31+61.00	RT	EDGE		1,381							
19+14.00 TO 30+61.00	LT	EDGE		1,148							
19+14.00 TO 30+20.00	LT	EDGE								373	
30+20.00 TO 31+60.78	CL	DOUBLE YELLOW									94
32+21.00	LT	STOP BAR				11					
STAGE 1A											
MATTIS OVER I-74											
*17+50.67 TO 14+18.56	*LT	DOTTED		84							
13+51.58 TO 14+00.00	RT	CL SOLID									16
13+52.58	RT	EDGE								28	
13+53.12 TO 13+87.50	LT	EDGE		35							
13+53.12 TO 14+87.50	LT	EDGE			135						
13+53.58 TO 14+00.00	RT	EDGE								16	
13+54.29 TO 14+00.00	LT	EDGE								15	
13+56.64 TO 14+80.04	RT	CHEVRON								77	
13+73.55	LT	LEFT TURN ARROW	15.6								
13+53.15 TO 14+00.00	LT	EDGE								15	
13+87.50 TO 14+00.00	LT	EDGE								4	
13+87.50 TO 14+87.50	LT	DOTTED		26							
14+00.00 TO 14+86.23	LT	EDGE								29	
14+00.00 TO 14+81.95	LT	EDGE								29	
14+00.00 TO 14+86.23	LT	EDGE								29	
14+00.00 TO 14+81.95	RT	EDGE								27	
14+49.10	LT	LEFT TURN ARROW	15.6								
14+87.50 TO 27+05.60	LT	DOUBLE YELLOW			2,478						
23+39.00 TO 23+94.00	LT	EDGE		56							
23+50.00 TO 25+10.00	RT	DOTTED		41							
23+50.00 TO 27+05.60	RT	DOUBLE YELLOW			712						
24+00.00 TO 27+15.02	RT	EDGE								106	
24+00.00 TO 27+01.77	RT	CL SOLID									101
24+90.60 TO 27+05.60	CL	DIAGONAL			317						
27+15.02 TO 27+32.40	RT	EDGE								6	
28+07.15 TO 35+00.00	LT	EDGE			694						
28+07.50 TO 29+25.15	LT	EDGE		119							
28+25.49	LT	LEFT TURN ARROW	15.6								
29+25.15 TO 31+20.51	LT	DOTTED		50							
29+25.31	LT	LEFT TURN ARROW	15.6								
31+20.51 TO 35+00.00	LT	DIAGONAL			108						

SCHEDULE CONTINUED ON THE NEXT SHEET

TEMPORARY PAVEMENT MARKING

LOCATION STATION TO STATION	SIDE	DESCRIPTION	TEMPORARY PAVEMEMNT MARKING LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING 70300220		TEMPORARY PAVEMENT MARKING 70300280	SHORT TERM PAVEMENT MARKING 70300100		SHORT TERM PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL - GRINDING X0327979	
				LINE 4"		LINE 24"	LINE 4"				
			70300210	WHITE	YELLOW	WHITE	WHITE	YELLOW	70300150	WHITE	YELLOW
			SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	SQ FT
STAGE 2											
MATTIS OVER I-74											
*14+40.92 TO 12+15.37	*LT	DOTTED		57							
*14+40.92 TO 12+15.58	*LT	EDGE		226							
*12+08.00	*LT	RT TURN ARROW	15.6								
*11+65.00	*LT	RT TURN ARROW	15.6								
11+98.00	RT	RT TURN ARROW	15.6								
13+50.00 TO 27+03.05	RT	EDGE		1,336							
13+53.12 TO 13+87.50	LT	EDGE								12	
13+53.12 TO 14+87.50	LT	DOTTED								9	
13+53.84 TO 15+12.73	LT	EDGE		159							
13+53.84 TO 15+12.73	LT	DOUBLE YELLOW			318						
13+53.84 TO 17+25.00	RT	DOUBLE YELLOW			757						
13+53.84 TO 15+12.73	CL	DIAGONAL			68						
14+49.13	LT	LT TURN ARROW	15.6								
15+12.73 TO 17+25.00	LT	DOTTED		54							
15+25.00	LT	LT TURN ARROW	15.6								
23+39.00 TO 25+50.00	LT	DOTTED		51							
23+39.00 TO 27+05.55	LT	DOUBLE YELLOW			735						
24+10.00 TO 24+77.00	LT	DIAGONAL			24						
24+79.47 TO 27+05.61	RT	CL SOLID									76
25+13.80 TO 26+94.28	RT	DIAGONAL									161
25+50.00 TO 27+03.05	RT	EDGE		154							
MATTIS OVER I-57											
14+66.00 TO 32+41.00	LT	EDGE		1,477							
17+06.00	RT	STOP BAR				12					
17+72.00	RT	EDGE								24	
17+82.00 TO 19+25.55	RT	EDGE								48	
18+54.00 TO 31+15.00	RT	EDGE		1,262							
30+61.00 TO 31+61.00	RT	EDGE								34	
32+21.00	LT	EDGE								22	
32+51.00	LT	STOP BAR				11					
STAGE 3											
MATTIS OVER I-74											
*17+50.64 TO 11+45.74	LT	SKIP DASH					61		20.3		
11+75.24 TO 12+30.00	RT	SKIP DASH					6		2.0		
13+57.81 TO 15+57.81	LT	TURN LANE					20		6.7		
13+57.81 TO 27+00.00	LT	SKIP DASH					135		45.0		
13+57.81 TO 23+94.00	RT	SKIP DASH					117		39.0		
13+89.67 TO 23+94.00	RT	BICYCLE LANE					100		33.3		
14+00.00 TO 23+94.00	LT	BICYCLE LANE					100		33.3		
25+00.00 TO 27+02.86	LT	LANE LINE					21		7.0		
28+07.51 TO 29+25.00	LT	SKIP DASH					12		4.0		
28+07.51 TO 29+25.00	LT	TURN LANE					12		4.0		
13+57.81 TO 27+02.86	CL	CENTERLINE-MEDIAN						251	83.7		
MATTIS OVER I-57											
19+35.00 TO 30+20.00	LT	EDGE					44		14.7		
19+35.00 TO 30+20.00	CL	CENTERLINE						109	36.3		
19+35.00 TO 30+20.00	RT	EDGE					44		14.7		
COLOR SUBTOTAL				10,167	9,048		672	360		1,285	1,654
PROJECT TOTAL			234	19,215		59	1,032		344	2,939	

* STATIONING RUNS BACKWARDS UP TO THE STATION EQUATION: STA. 11+45.74 BK = STA. 11+75.24 AH.

TEMPORARY CONCRETE BARRIER

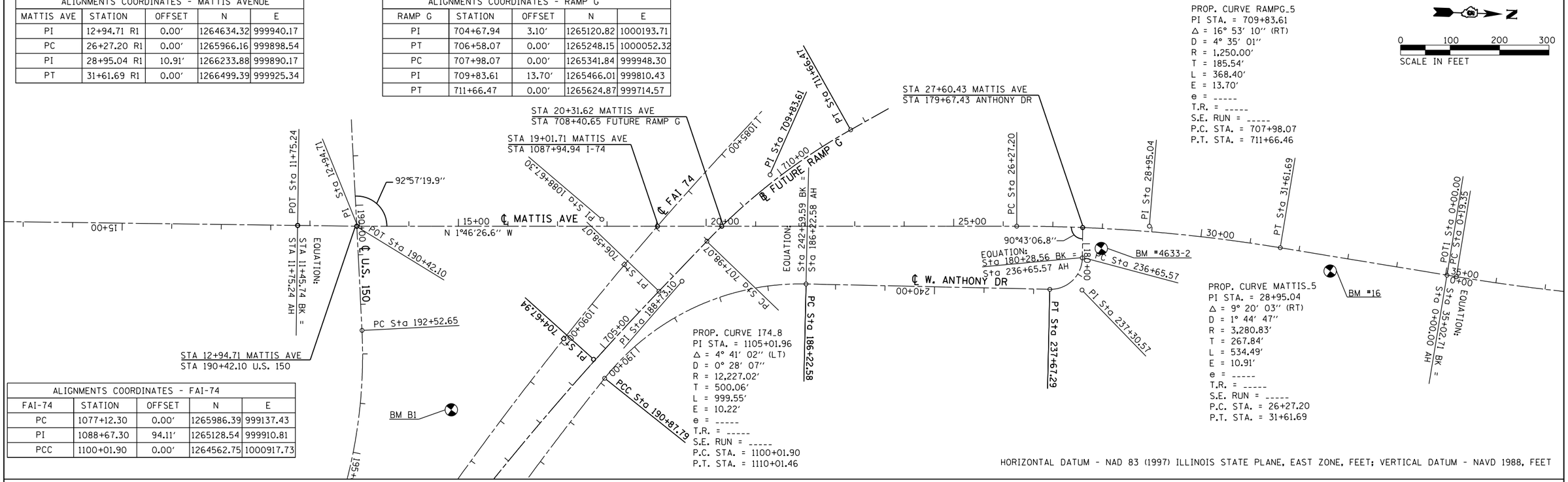
LOCATION STATION TO STATION	SIDE	DESCRIPTION	TEMPORARY CONCRETE BARRIER 70400100	RELOCATE TEMPORARY CONCRETE BARRIER 70400200	PINNING TEMPORARY CONCRETE BARRIER X7040125	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 70600260	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 70600332
			FOOT	FOOT	EACH	EACH	EACH
CHAMPAIGN COUNTY							
PRE-STAGE A							
I-74							
1083+45.00 TO 1089+45.00	RT	OUTSIDE LANE	600.0			1	
1086+67.00 TO 1089+04.50	RT	INSIDE LANE	237.5			1	
1085+91.00 TO 1091+91.00	LT	OUTSIDE LANE	600.0			1	
1087+08.00 TO 1090+08.00	LT	INSIDE LANE	300.0			1	
I-57							
621+12.50 TO 626+75.00	RT	OUTSIDE LANE	562.5			1	
622+00.00 TO 627+50.00	RT	INSIDE LANE	550.0			1	
625+75.00 TO 631+25.00	LT	INSIDE LANE	550.0			1	
626+50.00 TO 632+37.50	LT	OUTSIDE LANE	587.5			1	
STAGE 1							
MATTIS OVER I-74							
14+75.00 TO 24+25.00	RT		950.0			2	
16+62.50 TO 17+73.50	RT				24		
20+20.00 TO 23+39.45	RT				75		
MATTIS OVER I-57							
19+25.00 TO 30+50.00	LT		1,125.0			2	
20+01.21 TO 23+24.50	LT				75		
26+52.50 TO 29+65.79	LT				72		
STAGE 1A							
MATTIS OVER I-74							
14+12.50 TO 14+87.50	RT		75.0			1	
14+87.50 TO 16+87.50	RT			212.5			1
14+87.50 TO 23+00.00	LT		812.5				
14+62.50 TO 17+00.00	RT				54		
14+87.50 TO 17+00.00	LT				51		
STAGE 2							
MATTIS OVER I-74							
14+25.00 TO 23+23.00	RT			900.0			1
14+61.23 TO 17+50.00	RT				63		
MATTIS OVER I-57							
18+87.50 TO 19+37.50	LT		50.0				
19+37.50 TO 30+62.50	RT			1,125.0			2
20+01.26 TO 22+85.00	RT				66		
27+02.50 TO 29+65.79	RT				60		
ANTHONY							
240+11.50 TO 241+36.50	RT			125.0		1	1
PROJECT TOTAL			**7,000.0**	**2,362.5**	**540**	**14**	**5**

FILE NAME = D570B38-sht-schedule.dgn	USER NAME = bemery	DESIGNED - MKK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SCHEDULES**					F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MKK	REVISED -							57&74	*	CHAMPAIGN	264	36
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -							• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
Default	PLOT DATE = 5/9/2019 - 6:44:05 AM	DATE - 05/07/2019	REVISED -		SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS	FED. AID PROJECT	

ALIGNMENTS COORDINATES - MATTIS AVENUE				
MATTIS AVE	STATION	OFFSET	N	E
PI	12+94.71 R1	0.00′	1264634.32	999940.17
PC	26+27.20 R1	0.00′	1265966.16	999898.54
PI	28+95.04 R1	10.91′	1266233.88	999890.17
PT	31+61.69 R1	0.00′	1266499.39	999925.34

ALIGNMENTS COORDINATES - RAMP G				
RAMP G	STATION	OFFSET	N	E
PI	704+67.94	3.10′	1265120.82	1000193.71
PT	706+58.07	0.00′	1265248.15	1000052.32
PC	707+98.07	0.00′	1265341.84	999948.30
PI	709+83.61	13.70′	1265466.01	999810.43
PT	711+66.47	0.00′	1265624.87	999714.57

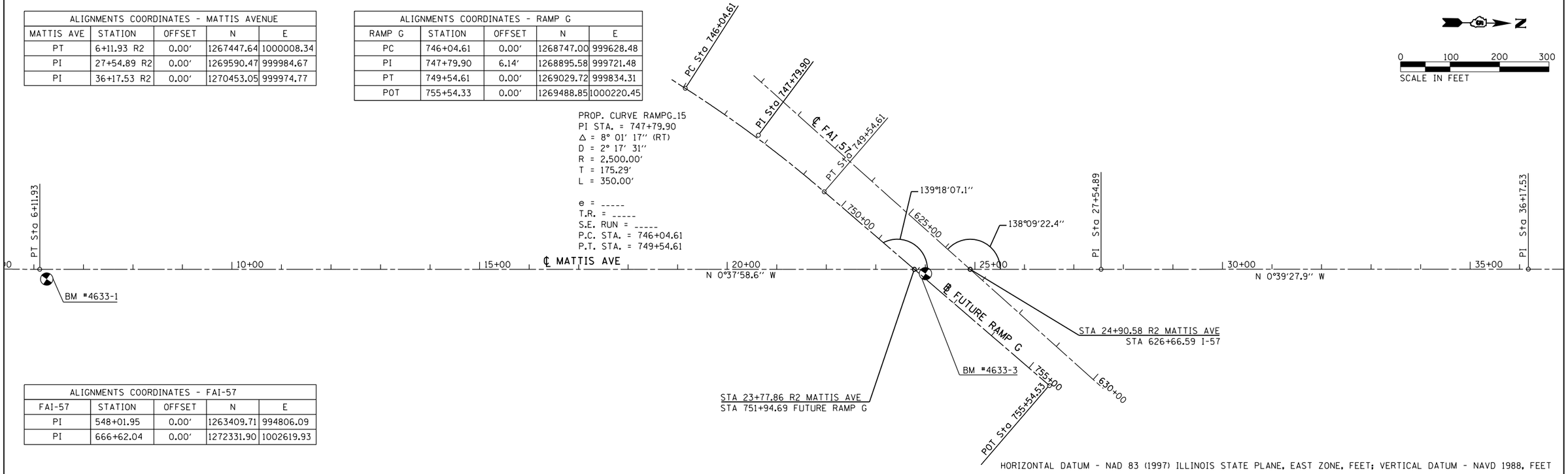
ALIGNMENTS COORDINATES - FAI-74				
FAI-74	STATION	OFFSET	N	E
PC	1077+12.30	0.00′	1265986.39	999137.43
PI	1088+67.30	94.11′	1265128.54	999910.81
PCC	1100+01.90	0.00′	1264562.75	1000917.73



ALIGNMENTS COORDINATES - MATTIS AVENUE				
MATTIS AVE	STATION	OFFSET	N	E
PT	6+11.93 R2	0.00′	1267447.64	1000008.34
PI	27+54.89 R2	0.00′	1269590.47	999984.67
PI	36+17.53 R2	0.00′	1270453.05	999974.77

ALIGNMENTS COORDINATES - RAMP G				
RAMP G	STATION	OFFSET	N	E
PC	746+04.61	0.00′	1268747.00	999628.48
PI	747+79.90	6.14′	1268895.58	999721.48
PT	749+54.61	0.00′	1269029.72	999834.31
POT	755+54.33	0.00′	1269488.85	1000220.45

ALIGNMENTS COORDINATES - FAI-57				
FAI-57	STATION	OFFSET	N	E
PI	548+01.95	0.00′	1263409.71	994806.09
PI	666+62.04	0.00′	1272331.90	1002619.93



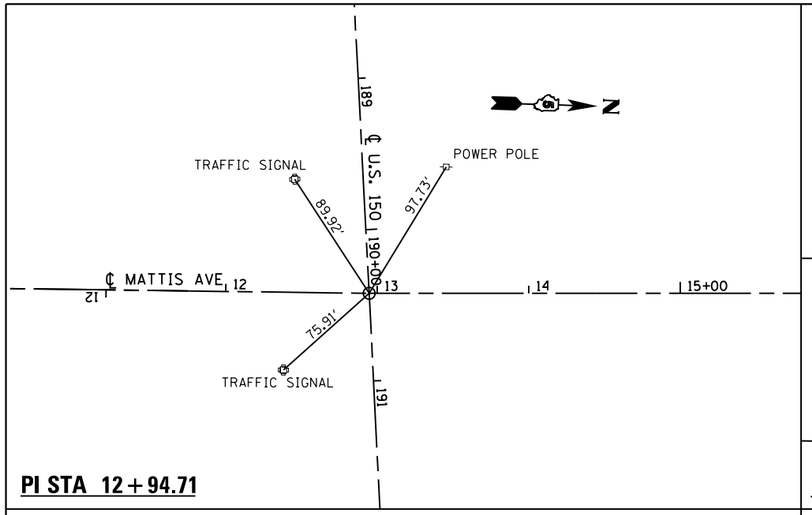
FILE NAME = D570B38-sht-ATB.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 200.0000 ′ / in.	CHECKED - BJE	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:44:11 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

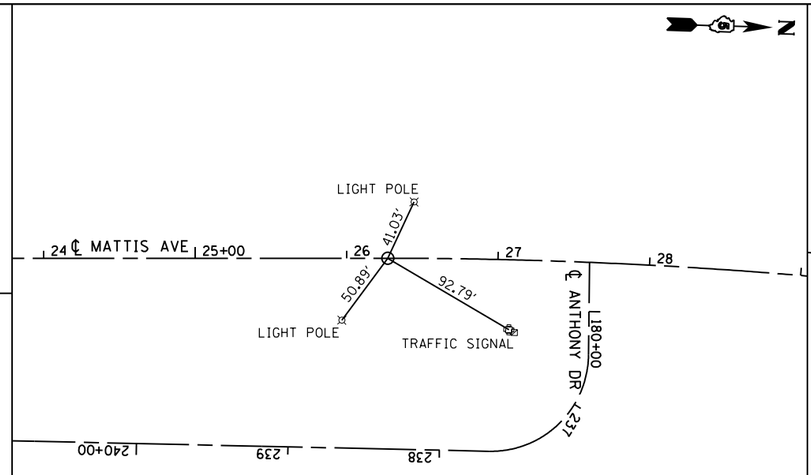
ALIGNMENTS

SCALE: 1″ = 100′ | SHEET OF SHEETS | STA. | TO STA.

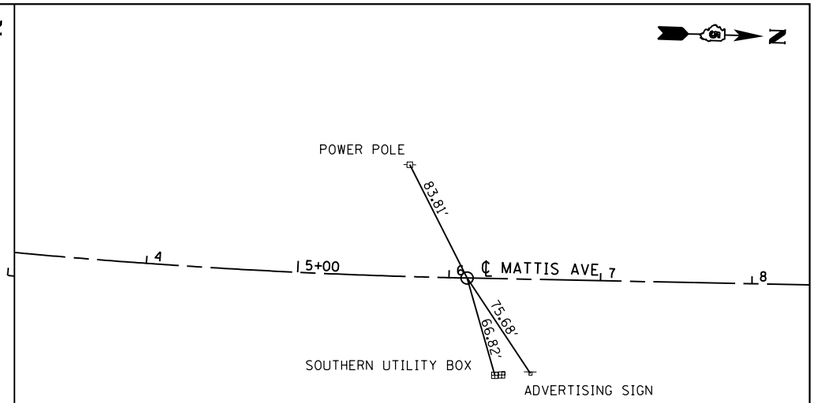
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	37
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
ILLINOIS FED. AID PROJECT				



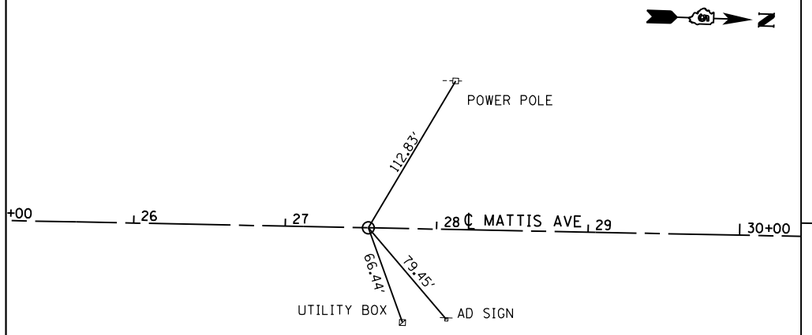
PI STA 12 + 94.71



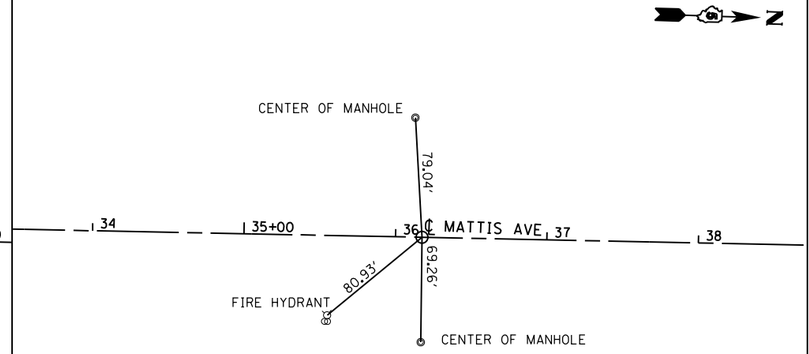
PC STA 26 + 27.20



PT STA 6 + 11.93



PI STA 27 + 54.89



PI STA 36 + 17.53

BENCHMARKS

BM #16 — BRASS TABLET IN CONCRETE 31 FEET EAST OF THE CENTERLINE OF MATTIS AVENUE AND 0.1 MILES NORTH OF ANTHONY DRIVE. NORTHING 1266601.54 FT EASTING 999969.26 FT EL 759.2

BM #4633-1 — CHISELED SQUARE TOP OF CURB IN SIDE OF ENTRANCE TO TRUCK TRENDS APPROXIMATE STA 6+26.15 EL 762.375

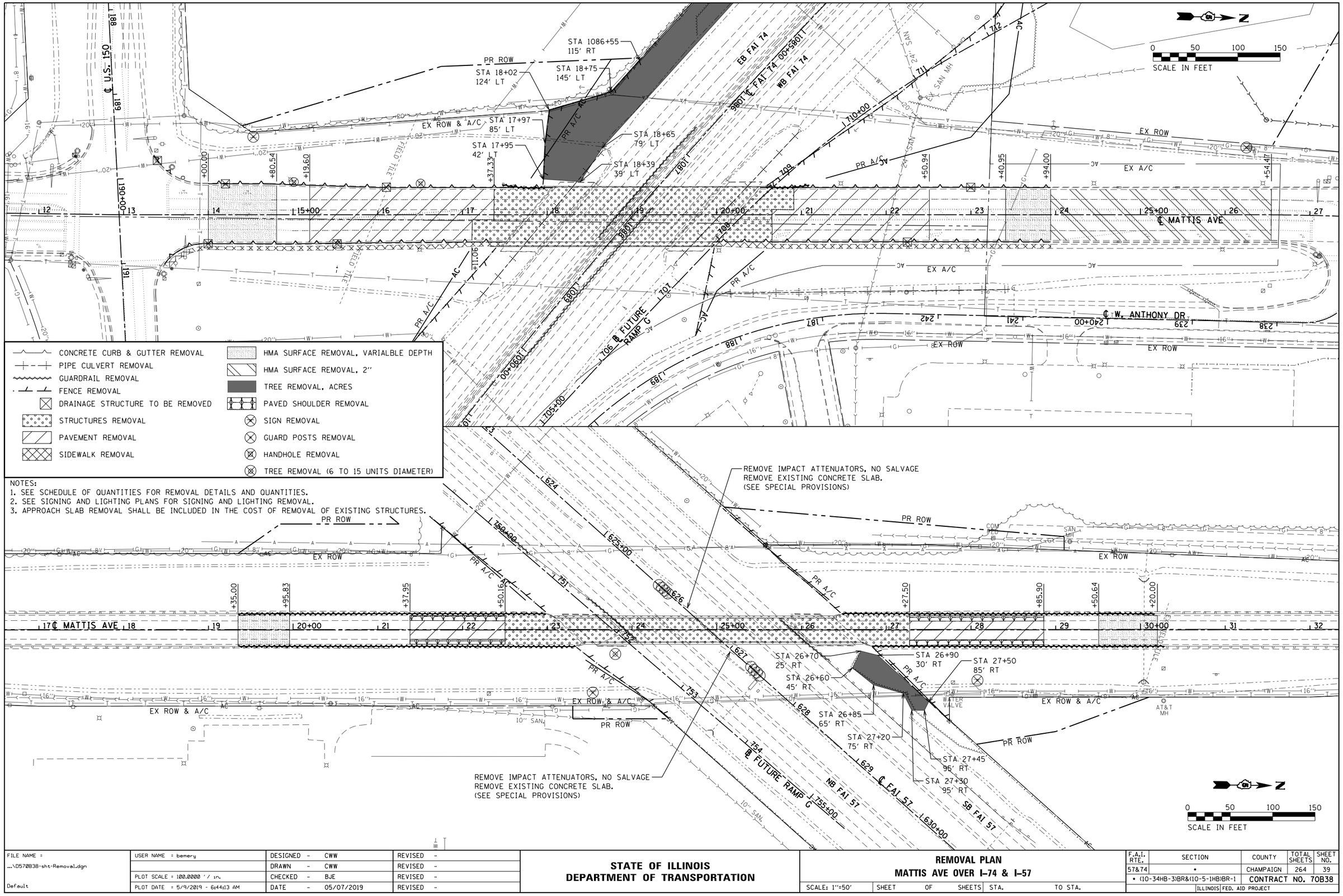
BM #4633-2 — CHISELED SQUARE TOP OF CURB WITH SIDE OF ISLAND ANTHONY & MATTIS INTERSECTION APPROXIMATE STA 28+00.34 EL 759.05

BM# 4633-3 — ON TOP OF CRASH WALL PIER ONE BELOW BRIDGE TOWARD EAST END APPROXIMATE I-57 STA 626+05.05 EL 772.235

BM B1 — CHISELED SQUARE ON THE NORTH SIDE OF THE SOUTH LEG OF THE INTERSTATE SIGN FOUNDATION LOCATED ON THE SOUTH SIDE OF F.A.I. 74, STA 1093+41, 93 FT RT ELEV. 757.45.

HORIZONTAL DATUM - NAD 83 (1997) ILLINOIS STATE PLANE, EAST ZONE, FEET; VERTICAL DATUM - NAVD 1988, FEET

FILE NAME = D570838-sht-ATB.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TIES & BENCHMARKS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - CWW	REVISED -			57&74	•	CHAMPAIGN	264	38
	PLOT SCALE = 200.0000 ' / in.	CHECKED - BJE	REVISED -			• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
Default	PLOT DATE = 5/9/2019 - 6:44:12 AM	DATE - 05/07/2019	REVISED -		SCALE: 1" = 100' SHEET OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

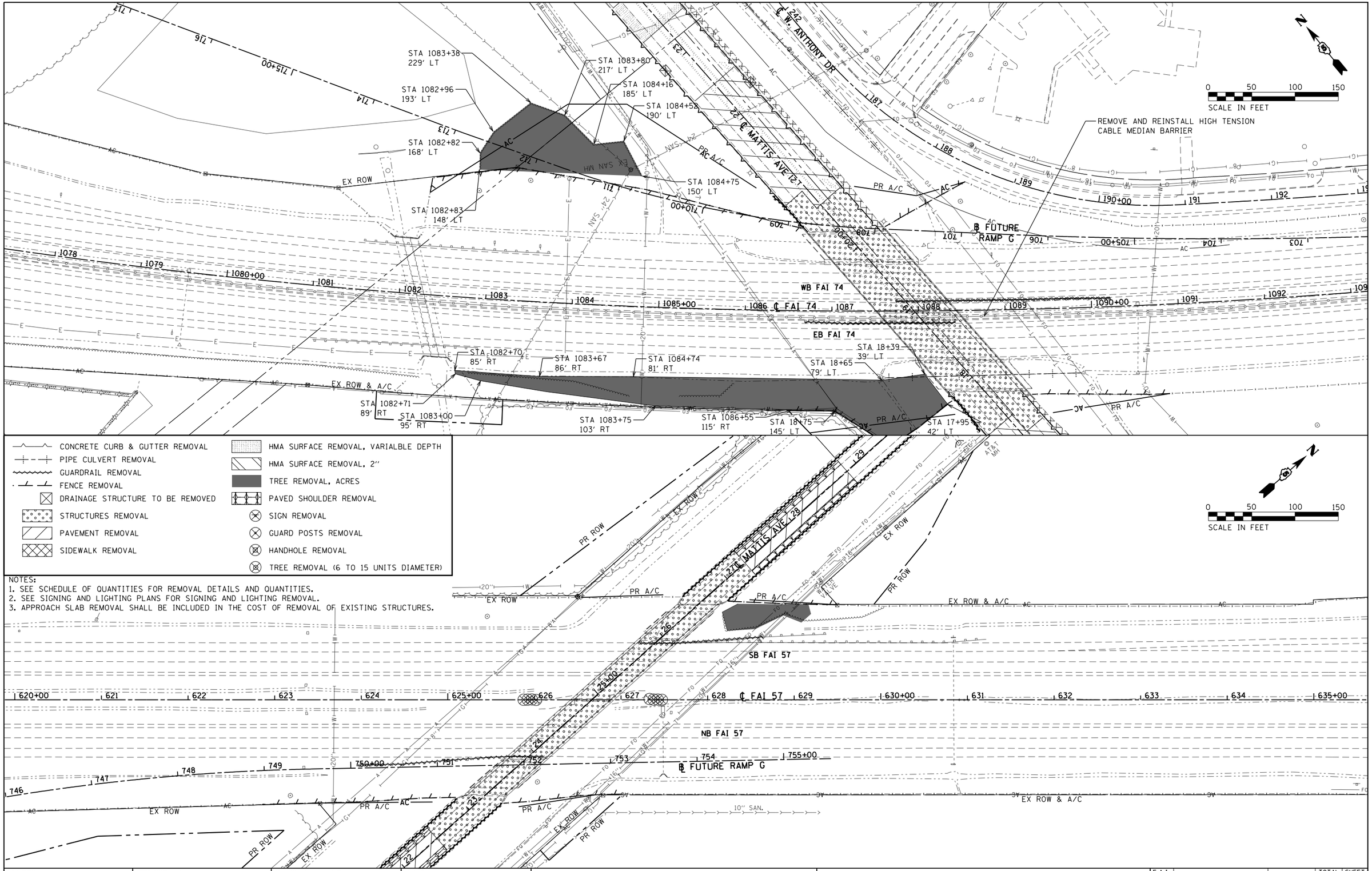


FILE NAME = ...\D570B38-sht-Removal.dgn Default	USER NAME = bemery	DESIGNED - CWW	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - CWW	REVISED -	
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -	
	PLOT DATE = 5/9/2019 - 6:44:13 AM	DATE - 05/07/2019	REVISED -	

REMOVAL PLAN
MATTIS AVE OVER I-74 & I-57

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	39
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
ILLINOIS FED. AID PROJECT				



- CONCRETE CURB & GUTTER REMOVAL
- PIPE CULVERT REMOVAL
- GUARDRAIL REMOVAL
- FENCE REMOVAL
- DRAINAGE STRUCTURE TO BE REMOVED
- STRUCTURES REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HMA SURFACE REMOVAL, VARIALBLE DEPTH
- HMA SURFACE REMOVAL, 2"
- TREE REMOVAL, ACRES
- PAVED SHOULDER REMOVAL
- SIGN REMOVAL
- GUARD POSTS REMOVAL
- HANDHOLE REMOVAL
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)

NOTES:
1. SEE SCHEDULE OF QUANTITIES FOR REMOVAL DETAILS AND QUANTITIES.
2. SEE SIGNING AND LIGHTING PLANS FOR SIGNING AND LIGHTING REMOVAL.
3. APPROACH SLAB REMOVAL SHALL BE INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES.

FILE NAME = ...\D570B38-sht-Removal.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:44:14 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
I-74 & I-57

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	40
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

PR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
STA 13+36.15 TO STA 13+41.25 LT
STA 13+50.25 TO STA 13+55.00 LT
PR SIDEWALK BEGINS STA 13+36.75 LT
PR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 BEGINS STA 14+00.00 LT
PROPOSED IMPROVEMENT BEGINS STA 14+00.00
PR STRUCTURE (SN 010-1270)
EX STRUCTURE (SN 010-0270)
STA 19+01.76 (MATTIS AVE.)
STA 1087+94.94 (I-74)
PR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT; PR TRAFFIC BARRIER TERMINAL, TYPE 6
STA 22+40.00
LT 132.0
PR SERVICE ROAD
STA 23+69.00 LT, PR 4' BIKE LANE ENDS BEGIN CC&G TRANSITION TO STA 23+94.00 LT
SCALE IN FEET
STA 25+90.00
101.4' LT
UTILITY ACCESS
PC STA 26+27.20
PROPOSED IMPROVEMENT ENDS STA 26+54.47
STA 23+94.00 RT
PR SIDEWALK ENDS
STA 27+14.96 LT
PR SIDEWALK ENDS
STA 23+69.00 RT, PR 4' BIKE LANE ENDS BEGIN CC&G TRANSITION TO STA 23+94.00 RT
℄ MATTIS AVE
PARALLEL CURB RAMP, (TYP.) SEE DETAIL
PR 4' BIKE LANE
PR PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH
PR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 BEGINS STA 13+47.48 RT
PR SIDEWALK BEGINS STA 13+47.96 RT
PR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT; PR TRAFFIC BARRIER TERMINAL, TYPE 6
℄ W. ANTHONY DR
EX ROW
℄ U.S. 150
EX ROW
PR ROW
EB I-74
WB I-74
℄ FAI 74 00+580TF
PR A/C
EX ROW & A/C
EX A/C
FIELD TILE
PR A/C
PR 24' AC
PR 24' AC
PR A/C
PR A/C
PR A/C

STA 29+89.60 LT
83.8' LT

STA 30+14.40
72.4' LT

STA 31+02.67
87.1' LT

STA 31+50.00 LT
PR PIPE CULVERTS, CLASS A, TYPE 1 24"
18 L.F. ⌀ 0.76%
PR PRC FLARED END SECTIONS, 24" 2 EACH
USFL = 756.77, 45.79' LT, STA 31+42.19
DSFL = 756.63, 45.62' LT, STA 31+59.94

UTILITY ACCESS
EX ROW
PR TEMP EASEMENT
℄ MATTIS AVE
30+00
35+00
5+00
180+00
FEL +50.00
R=25' TYP.
R=25' TYP.
12'
15'
15'

0 50 100 150
SCALE IN FEET

PIPE CULVERTS, CLASS A, TYPE 1 24"
⌀ 756.47

785 780 775 770 765 760 755 750 745

760.51 760.03 759.62 759.64 759.83 760.02 760.13 760.22 760.30 760.38 760.47 760.56 760.64 760.74 760.82 760.90 760.98 761.08 761.16 761.22 761.33 761.49 761.63 761.75 761.88 762.02 762.15 762.26 762.39 762.51 762.63

27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00

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

PROFILE
SURVEYED
PLOTTED
PROJECT CHECKED
BKM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

FILE NAME = D570B38-sht-plnprf-Mattis74.dgn Default	USER NAME = bemery	DESIGNED - MKK	REVISED -
		DRAWN - MKK	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
	PLOT DATE = 5/9/2019 - 6:44:27 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
MATTIS AVE OVER I-74

SCALE: 1"=50' | SHEET OF SHEETS | STA. 27+00.00 TO STA. 35+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	42
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BAR. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

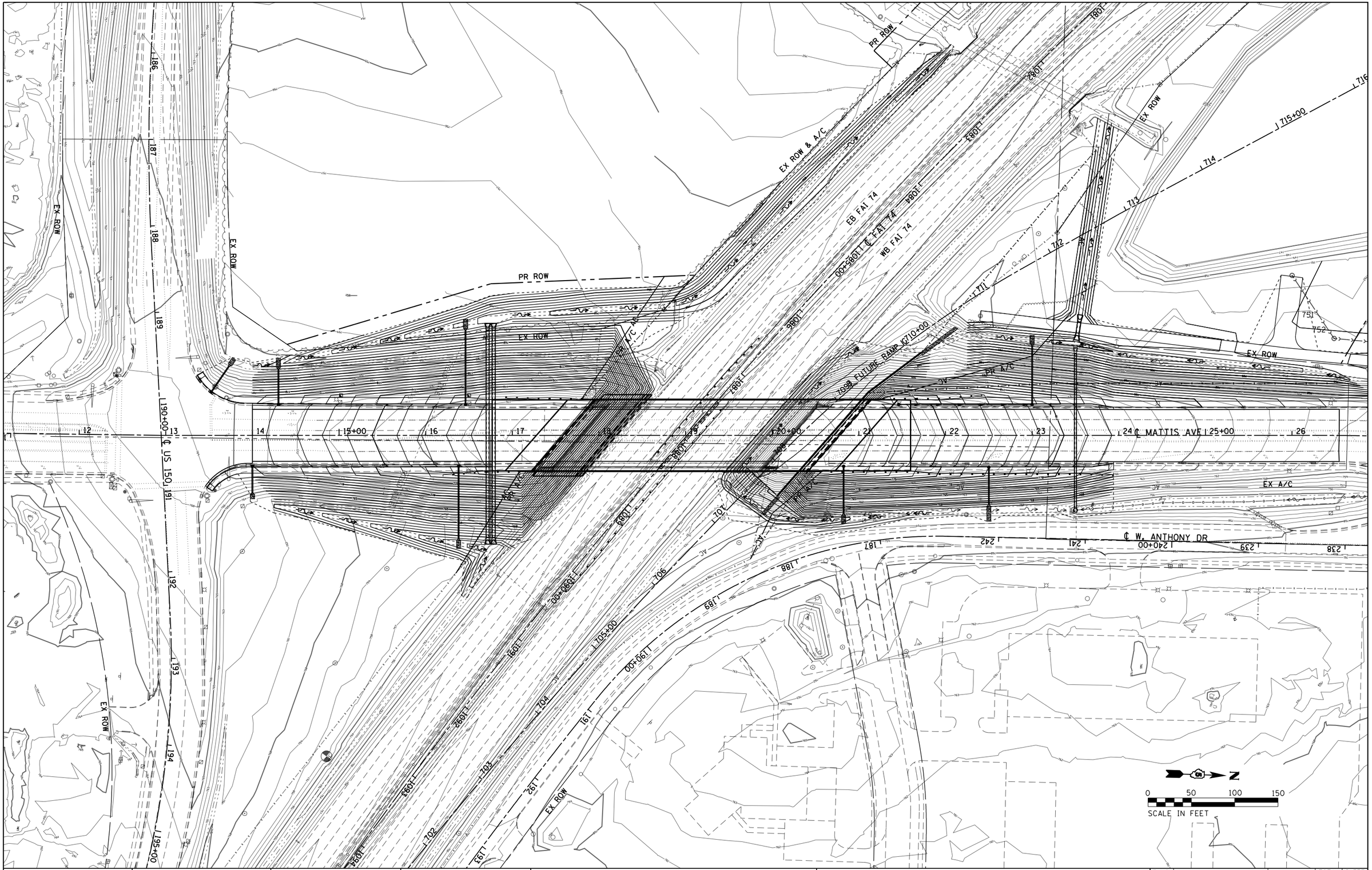
N

0 50 100 150
SCALE IN FEET

EX ROW & A/C
PT Sta 749+54.61
PR PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH
PR ROW
EX ROW
STA 19+85.00, 12.00' LT 50:1 TAPER ENDS
TIE INTO EXISTING GUARDRAIL STA 19+35.69 18.92' LT
℄ MATTIS AVE
50:1 TAPER
50:1 TAPER
PROPOSED IMPROVEMENT BEGINS STA 19+35.00
TIE INTO EXISTING GUARDRAIL STA 19+35.68 19.46' RT
STA 19+85.00, 12.00' RT 50:1 TAPER ENDS
PR TRAFFIC BARRIER TERMINAL, TYPE 4 EXC
PR TRAFFIC BARRIER TERMINAL, TYPE 6
PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
PR 8' BIKE LANE
PR A/C
PR IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3
PR TRAFFIC BARRIER TERMINAL, TYPE 2
PR STRUCTURE (SN 010-1100)
EX STRUCTURE (SN 010-0100)
STA 24+90.58 (MATTIS AVE.)
STA 626+66.59 (I-57)
PR TRAFFIC BARRIER TERMINAL, TYPE 6
PT Sta 27+54.89
STA 29+70.00, 12' LT 50:1 TAPER BEGINS
TIE INTO EXISTING GUARDRAIL STA 30+16.98 18.98' LT
PROPOSED IMPROVEMENT ENDS STA 30+20.00
TIE INTO EXISTING GUARDRAIL STA 30+29.48 19.39' RT
STA 29+70.00, 12' RT 50:1 TAPER BEGINS
EX ROW & A/C
PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
BLDG. APPROX. LOCATION
SB I-57
℄ FAI 57
NB I-57
FUTURE RAMP G
PDT Sta 755+54.53
L 750+00
L 625+00
L 755+00
L 630+00
L 20+00
L 25+00
L 30+00
+85.00
+92.00
22'
24'
5'
4'

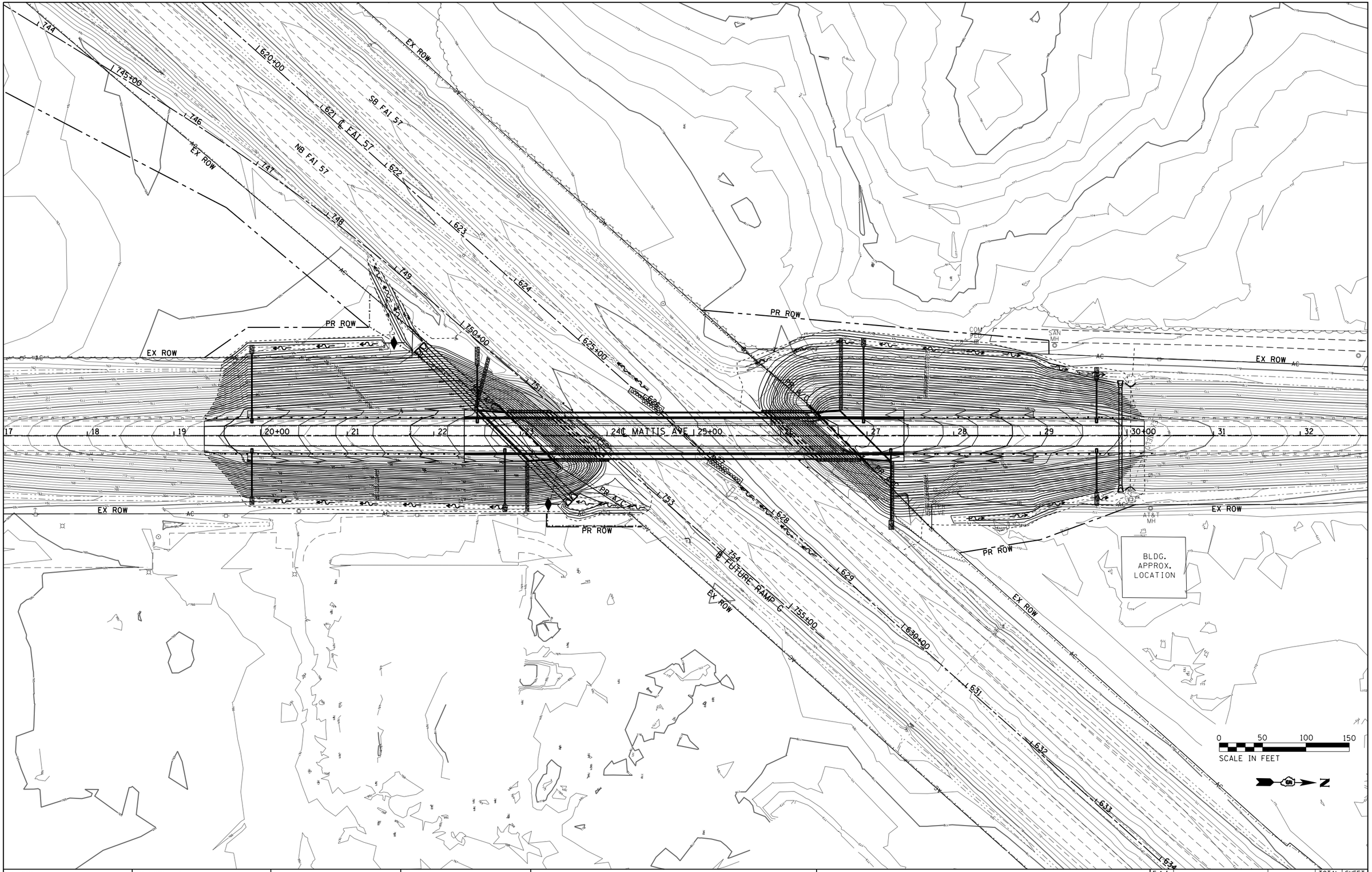
VPI STA. 25+32.50
ELEVATION 798.55
+2.33%
-2.50%
PR PGL
EX GROUND
+35.00 EL. 784.64
EL. 795.05
+82.50
K = 62
300.00' V.C.
+82.50 EL. 794.80
100.00' V.C.
+20.00 EL. 788.87
+20.00 EL. 786.61
-2.50%
-2.03%
VPI STA. 29+70.00
ELEVATION 787.62
+55.00 EL. 762.86 LT
+80.00 EL. 764.50 RT
+0.80%(LT)
+55.00 EL. 764.34 LT
+0.95%(RT)
+10.00 EL. 767.61 RT
LT. DOWNSTREAM
2-PIPE CULVERTS, CLASS A 48" (JACKED) (SKEWED) RT. UPSTREAM
NB FAI 57
SB FAI 57
+50.00 EL. 767.70 LT
+0.92%(LT)
+40.92 EL. 768.60 LT
+0.72%(LT)
+00.00 EL. 770.20 RT
+00.00 EL. 769.75 LT
PIPE CULVERTS, CLASS A 36" (JACKED)
-0.87 (RT)
-0.60%(LT)
+50.00 EL. 768.85 LT
-1.41%(LT)
+92.50 EL. 768.25 LT
-1.66%(RT)
+92.50 EL. 768.05 RT
+00.00 EL. 767.46 RT

| | | |



FILE NAME = ...\D570B38-sht-grading.dgn Default	USER NAME = bemery	DESIGNED - MKK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**GRADING PLAN MATTIS AVE. OVER I-74**
		DRAWN - MKK	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -		SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 5/9/2019 - 6:45:04 AM	DATE - 05/07/2019	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	44
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			


EX ROW
PR ROW
SB FAI 57
NB FAI 57
℄ EAI 57
℄ FUTURE RAMP G
℄ MATTIS AVE
620+00
625+00
630+00
635+00
640+00
645+00
650+00
655+00
660+00
665+00
670+00
675+00
680+00
685+00
690+00
695+00
700+00
705+00
710+00
715+00
720+00
725+00
730+00
735+00
740+00
745+00
750+00
755+00
760+00
765+00
770+00
775+00
780+00
785+00
790+00
795+00
800+00
805+00
810+00
815+00

NOTES

1. USE ALL EXISTING SIGNAL HEADS ON U.S. 150 (BLOOMINGTON RD) APPROACHES.
2. USE ALL EXISTING SIGNAL HEADS ON MATTIS AVE. APPROACHES.
3. INSTALL TEMPORARY SIGNAL HEAD IN CENTER OF LANE FOR SHIFTED SB MATTIS LEFT TURN LANE.
4. INSTALL TEMPORARY VEHICLE DETECTORS AND DETECTION ZONES.

DETECTOR	ASSIGNED PHASE
D3	3
D4	4
D7	7
D8	8

N

0 20 40 60
SCALE IN FEET

WOOD POLE
STA 12+10
56' LT

116' SPAN

℄ MATTIS AVE

D3

D8

D4

D7

PLACE ON EX
MAST ARM

164' SPAN

WOOD POLE
STA 12+10
60' RT

℄ U.S. 150

189

190+00

191

192

12

13

14

15+00

16

FIELD TILE

LEGEND

- PR TEMPORARY WOOD POLE
- PR TEMPORARY TRAFFIC SIGNAL HEAD WITH BACKPLATE
- PR TEMPORARY SPAN AND TETHER WIRE/ PR TEMPORARY AERIAL ELECTRIC CABLE
- PR TEMPORARY VEHICLE DETECTOR

FILE NAME = D570B38-sht-TempSignal-Stage1.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:06 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 1 – MATTIS /BLOOMINGTON INTERSECTION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	46
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

NOTES

1. USE ALL EXISTING SIGNAL HEADS ANTHONY DR APPROACH.
2. USE ALL EXISTING SIGNAL HEADS ON MATTIS AVE. APPROACHES.
3. INSTALL TEMPORARY VEHICLE DETECTORS AND DETECTION ZONES.

DETECTOR	ASSIGNED PHASE
D1	1
D2	2
D6	6

LEGEND

- PR TEMPORARY WOOD POLE
- PR TEMPORARY SPAN AND TETHER WIRE/ PR TEMPORARY AERIAL ELECTRIC CABLE
- PR TEMPORARY VEHICLE DETECTOR

N

0 20 40 60

SCALE IN FEET

WOOD POLE
STA 27+00
53' RT

℄ MATTIS AVE

L25+00

L26

27

98' SPAN

D2

D6

L28

D1

L29

℄ MATTIS AVE

L30+00

PLACE ON EX MAST ARM

℄ W. ANTHONY DR

L180+00

146' SPAN

WOOD POLE
STA 28+48
53' RT

WOOD POLE
STA 27+00
45' RT

L237

L238

L239

L240

FILE NAME = D570B38-sht-TempSignal-Stage1.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:07 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 1 – MATTIS /ANTHONY INTERSECTION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	47
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
ILLINOIS FED. AID PROJECT				

NOTES

1. USE ALL EXISTING SIGNAL HEADS ON U.S. 150 (BLOOMINGTON RD) APPROACHES.
2. USE ALL EXISTING SIGNAL HEADS ON MATTIS AVE. APPROACHES.
3. INSTALL TEMPORARY VEHICLE DETECTORS AND DETECTION ZONES.

DETECTOR	ASSIGNED PHASE
D3	3
D4	4
D7	7
D8	8

N

0 20 40 60
SCALE IN FEET

WOOD POLE
STA 12+10
56' LT

116' SPAN

℄ MATTIS AVE

12

13

D3

D8

D4

D7

14

15+00

16

PLACE ON EX
MAST ARM

164' SPAN

WOOD POLE
STA 12+10
60' RT

189

190+00

191

℄ U.S. 150

192

FIELD TILE

LEGEND

PR TEMPORARY WOOD POLE

PR TEMPORARY SPAN AND TETHER WIRE/
PR TEMPORARY AERIAL ELECTRIC CABLE

PR TEMPORARY VEHICLE DETECTOR

FILE NAME = D570B38-sht-TempSignal-StageIA.dgn Default	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:07 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 1A – MATTIS /BLOOMINGTON INTERSECTION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	48
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

NOTES

1. USE ALL EXISTING SIGNAL HEADS ANTHONY DR APPROACH.
2. USE ALL EXISTING SIGNAL HEADS ON MATTIS AVE. APPROACHES.
3. INSTALL TEMPORARY VEHICLE DETECTORS AND DETECTION ZONES.

DETECTOR	ASSIGNED PHASE
D1	1
D2	2
D6	6

LEGEND

- PR TEMPORARY WOOD POLE
- PR TEMPORARY SPAN AND TETHER WIRE/ PR TEMPORARY AERIAL ELECTRIC CABLE
- PR TEMPORARY VEHICLE DETECTOR

N

0 20 40 60

SCALE IN FEET

WOOD POLE
STA 27+00
53' RT

℄ MATTIS AVE

25+00

26

27

98' SPAN

D2

WOOD POLE
STA 27+00
45' RT

℄ W. ANTHONY DR

180+00

D6

D1

28

29

℄ MATTIS AVE

30+00

PLACE ON EX MAST ARM

146' SPAN

WOOD POLE
STA 28+48
53' RT

AC

FO

T

W

G

8"

20"

16"

FILE NAME =	USER NAME = bemery	DESIGNED - BJE	REVISED -
D570B38-sht-TempSignal-StageIA.dgn		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:08 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 1A – MATTIS /ANTHONY INTERSECTION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	49
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

NOTES

1. USE ALL EXISTING SIGNAL HEADS ON U.S. 150 (BLOOMINGTON RD) APPROACHES.
2. USE ALL EXISTING SIGNAL HEADS ON MATTIS AVE. APPROACHES.
3. INSTALL TEMPORARY VEHICLE DETECTORS AND DETECTION ZONES.

DETECTOR	ASSIGNED PHASE
D3	3
D4	4
D7	7
D8	8

N

0 20 40 60
SCALE IN FEET

WOOD POLE
STA 12+10
56' LT

116' SPAN

℄ MATTIS AVE

D3

D8

D4

D7

PLACE ON EX
MAST ARM

164' SPAN

WOOD POLE
STA 12+10
60' RT

℄ U.S. 150

189

190+00

191

192

12

13

14

15+00

16

FIELD TILE

LEGEND

PR TEMPORARY WOOD POLE

PR TEMPORARY SPAN AND TETHER WIRE/
PR TEMPORARY AERIAL ELECTRIC CABLE

PR TEMPORARY VEHICLE DETECTOR

FILE NAME = D570B38-sht-TempSignal-Stage2.dgn Default	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:08 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 2 – MATTIS /BLOOMINGTON INTERSECTION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	50
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

NOTES

1. USE ALL EXISTING SIGNAL HEADS ANTHONY DR APPROACH.
2. USE ALL EXISTING SIGNAL HEADS ON MATTIS AVE. APPROACHES.
3. INSTALL TEMPORARY VEHICLE DETECTORS AND DETECTION ZONES.

DETECTOR	ASSIGNED PHASE
D1	1
D2	2
D6	6

LEGEND

- PR TEMPORARY WOOD POLE
- PR TEMPORARY SPAN AND TETHER WIRE/ PR TEMPORARY AERIAL ELECTRIC CABLE
- PR TEMPORARY VEHICLE DETECTOR

N

0 20 40 60

SCALE IN FEET

WOOD POLE
STA 27+00
53' RT

℄ MATTIS AVE | 25+00

98' SPAN

D2

WOOD POLE
STA 27+00
45' RT

℄ W. ANTHONY DR | 180+00

D6

D1

℄ MATTIS AVE | 30+00

PLACE ON EX MAST ARM

146' SPAN

WOOD POLE
STA 28+48
53' RT

FILE NAME =	USER NAME = bemery	DESIGNED - BJE	REVISED -
D570B38-sht-TempSignal-Stage2.dgn		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:09 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 2 – MATTIS /ANTHONY INTERSECTION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	51
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE MAINTENANCE OF TRAFFIC OF THIS PROJECT WITH OTHER PROJECTS IN ADJACENT SECTIONS. SEE TRAFFIC CONTROL SPECIAL PROVISIONS FOR COORDINATION REQUIREMENTS.

2. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AS REQUIRED OR AS DIRECTED BY THE ENGINEER THROUGHOUT THE CONSTRUCTION ZONE FOR THE PERIOD OF THE CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TEMPORARY DRAINAGE WORK. IN ADDITION TO THE PROPOSED TEMPORARY DRAINAGE SHOWN IN THE PLANS, THE EXISTING DRAINAGE SYSTEM MAY ALSO BE USED THROUGHOUT CONSTRUCTION STAGING.

3. ALL ADVANCE "ROAD WORK" SIGNS, W20-1 SERIES, AS SHOWN ON THE PLANS, REFERENCED IN THE STANDARDS OR DIRECTED BY THE ENGINEER, SHALL BE EQUIPPED WITH A TYPE B MONODIRECTIONAL FLASHING LIGHT AND AN 18" X 18" ORANGE WARNING FLAG. THE COST OF THIS WORK SHALL BE INCLUDED IN THE VARIOUS ITEMS TRAFFIC CONTROL AND PROTECTION.

4. LOCATIONS OF TRAILER MOUNTED FULL MATRIX PORTABLE CHANGEABLE SIGNS SHALL BE DETERMINED BY THE ENGINEER.

5. EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE MAINTENANCE OF TRAFFIC STRIPING SHALL BE REMOVED.

6. ALL TRAFFIC CONTROL DEVICES (BARRELS/BARRICADES/PANELS) SHALL BE IN NEW OR LIKE NEW CONDITION. WHEN THE DEVICES BECOME WORN, DIRTY, FADED, OR OTHERWISE DEEMED NO LONGER IN LIKE NEW CONDITION BY THE ENGINEER, THE DEVICE WILL BE REFURBISHED, CLEANED, OR REPLACED.

7. ANY SIGNS THAT ARE TO BE IN PLACE FOR MORE THAN FOUR DAYS SHALL BE POST MOUNTED WHEN FEASIBLE AS DETERMINED BY THE ENGINEER.

8. ALL DRUMS, VERTICAL PANELS AND BARRICADES PLACED IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH STEADY BURN MONO-DIRECTIONAL LAMPS.

9. ROUGH GROOVED SURFACE AND FRESH OIL SIGNS ARE REQUIRED WHERE APPLICABLE.

10. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO ATTEND A TRAFFIC CONTROL MEETING TO DISCUSS THE EXACT SCHEDULING OF THE TRAFFIC STAGES AND ANY INTERMEDIATE CHANGES NECESSARY. IF AN ALTERNATE TRAFFIC PATTERN IS REQUIRED WITHIN THIS CONTRACT, THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC DEVIANCE PLAN FOR APPROVAL BY THE ENGINEER AND THE DISTRICT. FOR ADDITIONAL INFORMATION REGARDING COORDINATION SEE STANDARD SPECIFICATION ARTICLE 701.04.

11. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY INCIDENTS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATION BY THE ENGINEER TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION, IMPROVEMENT, OR MODIFICATION OF THE MAINTENANCE OF TRAFFIC CONTROL DEVICES. FAILURE TO RESPOND WITHIN THE ABOVE LIMIT WILL RESULT IN A PENALTY OF $2500 PER DAY PER OCCURRENCE, WHENEVER THE ENGINEER DETERMINES THAT THE CONTRACTOR OR HIS SUBCONTRACTOR HAS NOT COMPLIED.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING CONSTRUCTION ACCESS POINTS. THE PROPOSED LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE USE.

13. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

14. TEMPORARY BARRIER WALL SHALL BE INSTALLED AS DELINEATED ON THE MAINTENANCE OF TRAFFIC PLAN SHEETS AND TYPICAL SECTIONS PRIOR TO THE START OF SUBSEQUENT STAGE WORK.

15. UNLESS OTHERWISE APPROVED BY THE ENGINEER, ALL TEMPORARY CONCRETE BARRIER SHALL BE PLACED UNDER TEMPORARY LANE CLOSURES.

16. ALL TEMPORARY BARRIER FLARES SHALL TRANSITION AWAY FROM TRAFFIC AT THE APPROACH END AT 12:1 OR FLATTER. ALL EXPOSED TEMPORARY BARRIER WALL TERMINALS SHALL BE PROTECTED WITH TEMPORARY ATTENUATION DEVICES ON THE APPROACH END.

17. EXCAVATION, INCLUDING SHOULDER BASE COURSE, FOR CONSTRUCTION OF TEMPORARY PAVEMENT SHALL BE PAID AS EARTH EXCAVATION REGARDLESS OF SOIL TYPE OR SUITABILITY.

18. EMBANKMENT MATERIAL FOR TEMPORARY PAVEMENT WIDENING TO ACCOMMODATE A MAXIMUM 1:2 SLOPE SHALL BE INCLUDED IN THE COST FOR EARTH EXCAVATION.

19. HMA SURFACE COURSE SHALL BE CONSTRUCTED AT THE CONCLUSION OF THE LAST STAGE OF CONSTRUCTION UTILIZING LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARDS. NO INSTALLATION OF SURFACE COURSE SHALL BE CONSTRUCTED PRIOR TO THE FINAL STAGE EXCEPT AS PROVIDED HEREIN OR WITHOUT WRITTEN AUTHORIZATION OF THE ENGINEER.

20. THE CONTRACTOR SHALL RELOCATE OR COVER ALL EXISTING, TEMPORARY, AND PROPOSED SIGNS THAT CONFLICT WITH THE CURRENT CONSTRUCTION STAGE. SIGNS THAT DO NOT CONFLICT WITH THE CURRENT CONSTRUCTION STAGE AND ARE NOT MARKED FOR RELOCATION SHALL REMAIN AS PREVIOUSLY CONFIGURED. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT COST OF TRAFFIC CONTROL AND PROTECTION.

21. ALL SIGNS SHALL BE MOUNTED IN LOCATIONS AND ELEVATIONS THAT PROVIDE AN UNOBSTRUCTED VIEW TO THE ROADWAY USERS.

22. A SUGGESTED SEQUENCE OF DRAINAGE INSTALLATIONS AND REMOVALS IS DESCRIBED IN THE STAGING PLANS TO PROVIDE TEMPORARY DRAINAGE THROUGHOUT EACH STAGE OF CONSTRUCTION. THE SUGGESTED DRAINAGE AND REMOVAL SEQUENCE SHALL BE VERIFIED BY THE CONTRACTOR. FOR DETAILED INFORMATION REGARDING THE INSTALLATION OF THE PROPOSED DRAINAGE SYSTEM, THE DRAINAGE PLAN AND PROFILE SHEETS SHALL BE REFERENCED.

23. CHANGEABLE MESSAGE SIGNS REQUIRED PER STANDARDS ARE NOT TO BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

24. ARTICLE 701.18(h)(1) REQUIRES "NO PARKING" SIGNS TO BE PLACED THROUGHOUT THE WORK AREA. THESE SIGNS WON'T BE REQUIRED AS NOTED IN THIS ARTICLE.

25. SIGN W21-1(O)-48 IS REQUIRED WHEN WORKERS ARE PRESENT. LOCATION SHALL BE ACCORDING TO APPLICABLE HIGHWAY STANDARD OR AS DETERMINED BY THE ENGINEER.

SUGGESTED SEQUENCE OF OPERATIONS MATTIS OVER I-74

PRE-STAGE A : PLACE PROTECTIVE SHIELD AND PLACE TEMPORARY CONCRETE BARRIER ON I-74.

STAGE 1: REMOVE/CONSTRUCT SOUTHBOUND PAVEMENT AND BRIDGE ON MATTIS AVE.

STAGE 1A: REMOVE/CONSTRUCT SOUTHBOUND PAVEMENT AND BRIDGE ON MATTIS AVE.

STAGE 2: REMOVE/CONSTRUCT NORTHBOUND PAVEMENT AND BRIDGE ON MATTIS AVE.

STAGE 3: COMPLETE BRIDGE CLOSURE POUR AND PLACE SURFACE COURSE ON MATTIS AVE.

SUGGESTED SEQUENCE OF OPERATIONS MATTIS OVER I-57

PRE-STAGE A : SHOULDER RECONSTRUCTION ON MATTIS AVE. PLACE PROTECTIVE SHIELD AND PLACE TEMPORARY CONCRETE BARRIER ON I-57.

STAGE 1: REMOVE/CONSTRUCT NORTHBOUND PAVEMENT AND BRIDGE ON MATTIS AVE.

STAGE 2: REMOVE/CONSTRUCT SOUTHBOUND PAVEMENT AND BRIDGE ON MATTIS AVE.

STAGE 3: COMPLETE BRIDGE CLOSURE POUR AND PLACE SURFACE COURSE ON MATTIS AVE.

MAINTENANCE OF TRAFFIC INDEX OF SHEETS

SHEET NO.	DESCRIPTION
52	MAINTENANCE OF TRAFFIC GENERAL NOTES & INDEX OF SHEETS
53	MATTIS OVER I-74 - PRE-STAGE A
54 - 56	MATTIS OVER I-74 - STAGE 1
57 - 59	MATTIS OVER I-74 - STAGE 1A
60 - 62	MATTIS OVER I-74 - STAGE 2
63 - 65	MATTIS OVER I-74 - STAGE 3
66 - 67	MATTIS OVER I-57 - PRE-STAGE A
68 - 69	MATTIS OVER I-57 - STAGE 1
70 - 71	MATTIS OVER I-57 - STAGE 2
72 - 73	MATTIS OVER I-57 - STAGE 3
74 - 75	DETOUR ROUTES I-74
76 - 77	DETOUR ROUTES I-57
78	DETOUR DETAILS
79 - 80	TRAFFIC CONTROL AND PROTECTION (SPECIAL)
81 - 83	MAINTENANCE OF TRAFFIC DETAILS

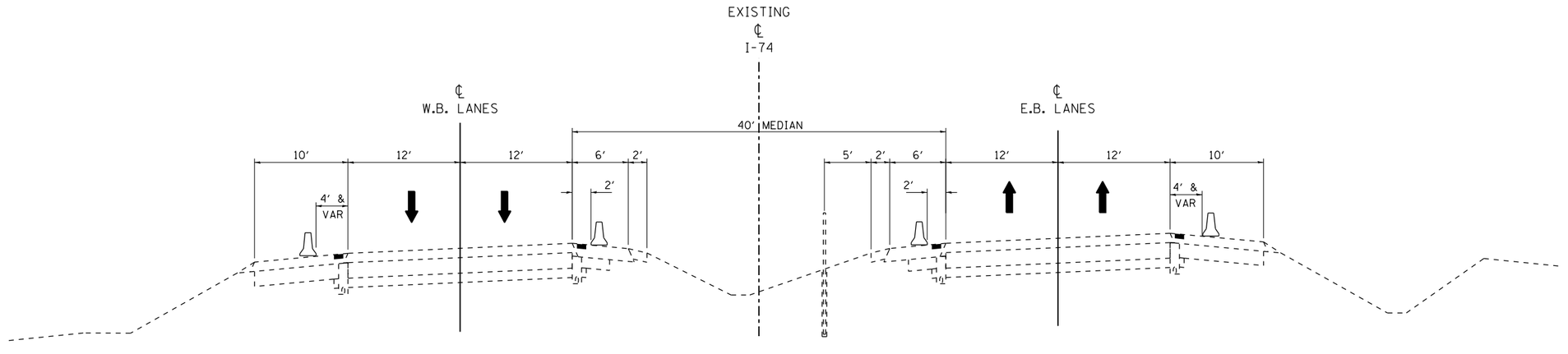
FILE NAME = D570B38-sht-MOT-gennote.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:09 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
GENERAL NOTES & INDEX OF SHEETS

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	52
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		



PRE-STAGE A TYPICAL #1 - I-74

SEE TRAFFIC CONTROL AND PROTECTION (SPECIAL) DETAIL

PRE-STAGE A

TRAFFIC

I-74 - MAINTAIN TRAFFIC IN EXISTING LANE CONFIGURATIONS.

ROADWAY CONSTRUCTION

I-74 - PLACE TEMPORARY CONCRETE BARRIER. SEE TRAFFIC CONTROL AND PROTECTION (SPECIAL) DETAIL SHEET AND SPECIAL PROVISIONS.

STAGE GENERAL NOTES

ALL LANES SHALL REMAIN OPEN DURING NON-WORKING HOURS.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER WALL
- VERTICAL PANEL, POST MOUNTED
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- DRUM WITH STEADY BURNING LIGHT
- CONE, DRUM, OR BARRICADE

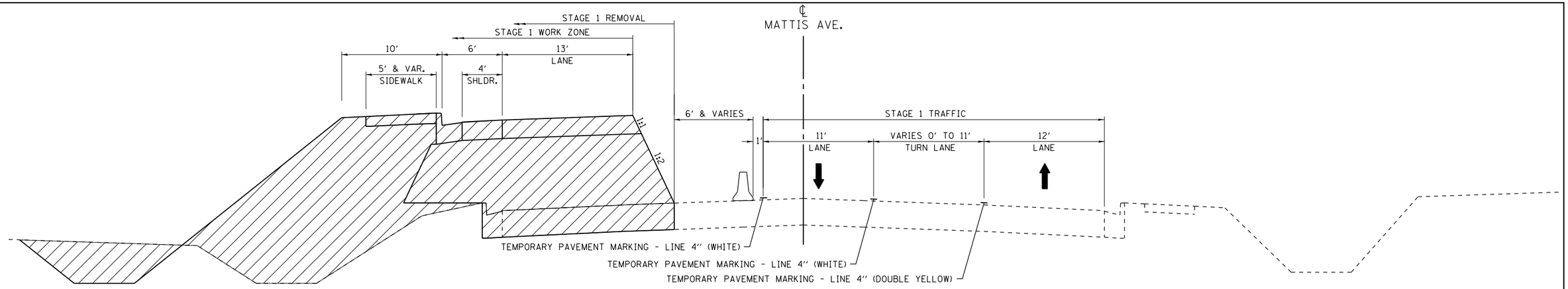
FILE NAME = D570B38-sht-MOT-Mattis74-PreStageA.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:11 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 PRE-STAGE A

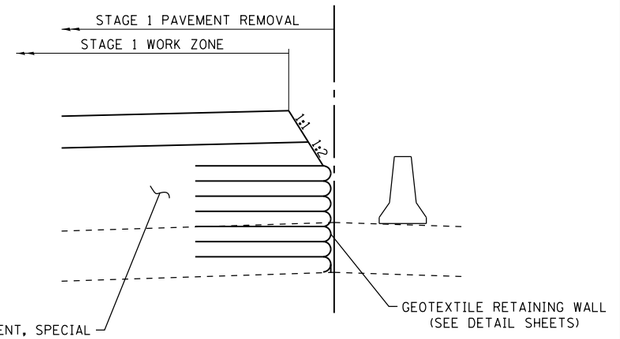
SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	53
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		

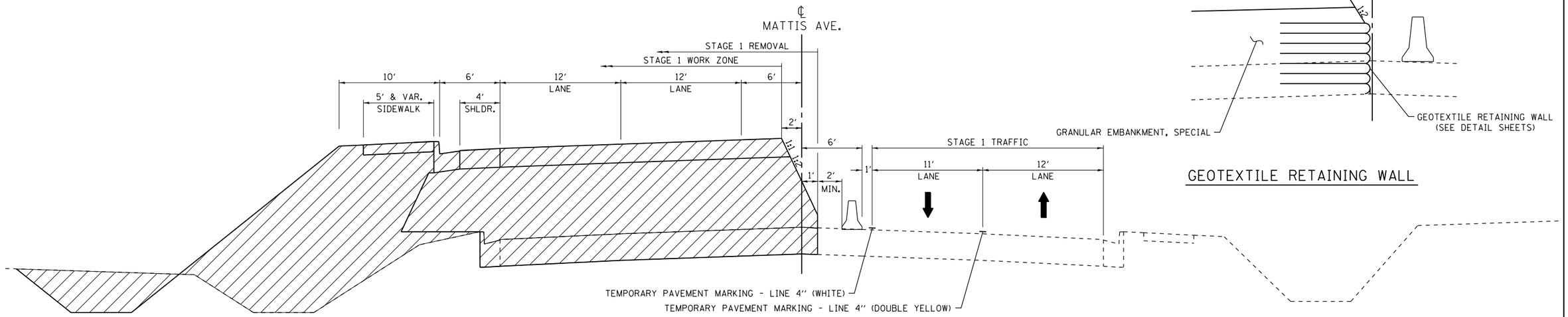


MATTIS AVE. OVER I-74 STAGE 1 TYPICAL #1

SEE PROPOSED TYPICAL SECTION SHEETS FOR MORE DETAIL



GEOTEXTILE RETAINING WALL



MATTIS AVE. OVER I-74 STAGE 1 TYPICAL #2

SEE PROPOSED TYPICAL SECTION SHEETS FOR MORE DETAIL

STAGE 1

TRAFFIC

MATTIS AVE - SHIFT TRAFFIC EAST AND PROVIDE ONE 11′ SOUTHBOUND TRAVEL LANE AND ONE 12′ NORTHBOUND TRAVEL LANE.

ANTHONY DR - CLOSE THE SECOND LEFT TURN LANE ONTO NORTHBOUND MATTIS AVE.

ROADWAY CONSTRUCTION

REMOVE EXISTING SOUTHBOUND PAVEMENT. CONSTRUCT PROPOSED SOUTHBOUND EMBANKMENT AND PAVEMENT. SURFACE COURSE SHALL BE CONSTRUCTED AT THE CONCLUSION OF STAGE 3 CONSTRUCTION.

SEE PROPOSED TYPICAL SECTION SHEETS FOR DETAILED INFORMATION.

STAGE GENERAL NOTES

SEE PAVEMENT PROFILE TRANSITIONS DETAIL.

SEE STRUCTURE PLANS FOR BRIDGE STAGING.

SEE I-74 DETOUR PLANS FOR I-74 TRAFFIC DURING BEAM REMOVAL AND REPLACEMENT OPERATIONS.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER WALL
- VERTICAL PANEL, POST MOUNTED
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- DRUM WITH STEADY BURNING LIGHT
- CONE, DRUM, OR BARRICADE

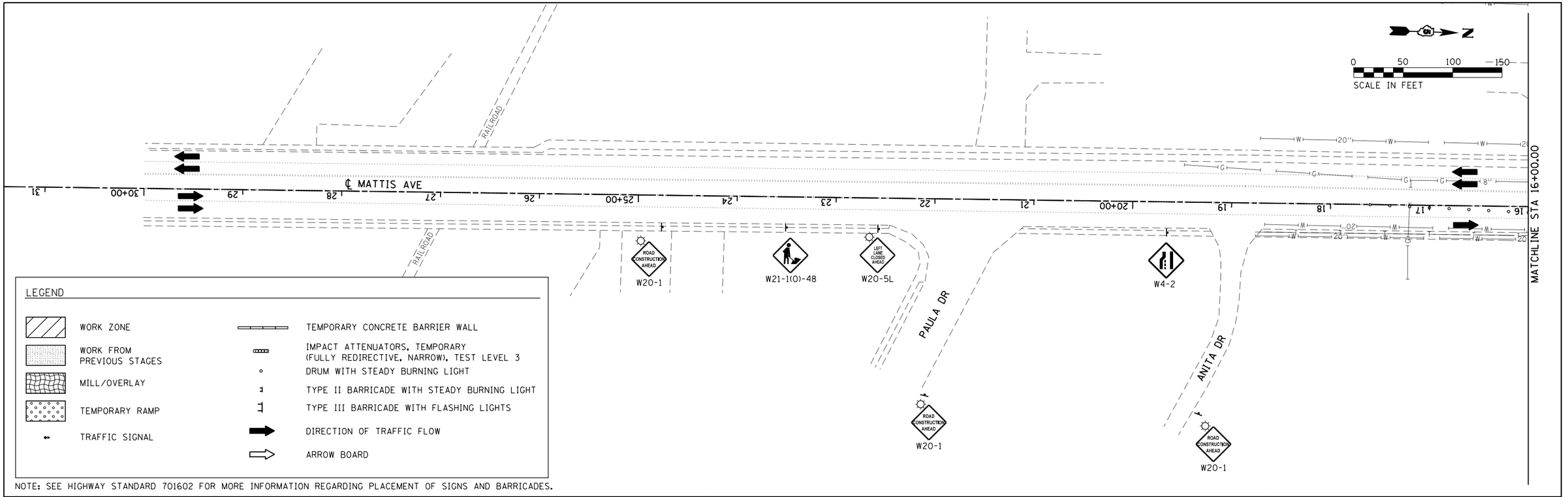
FILE NAME = D570B38-sht-MOT-Mattis74-Stage1.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:12 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

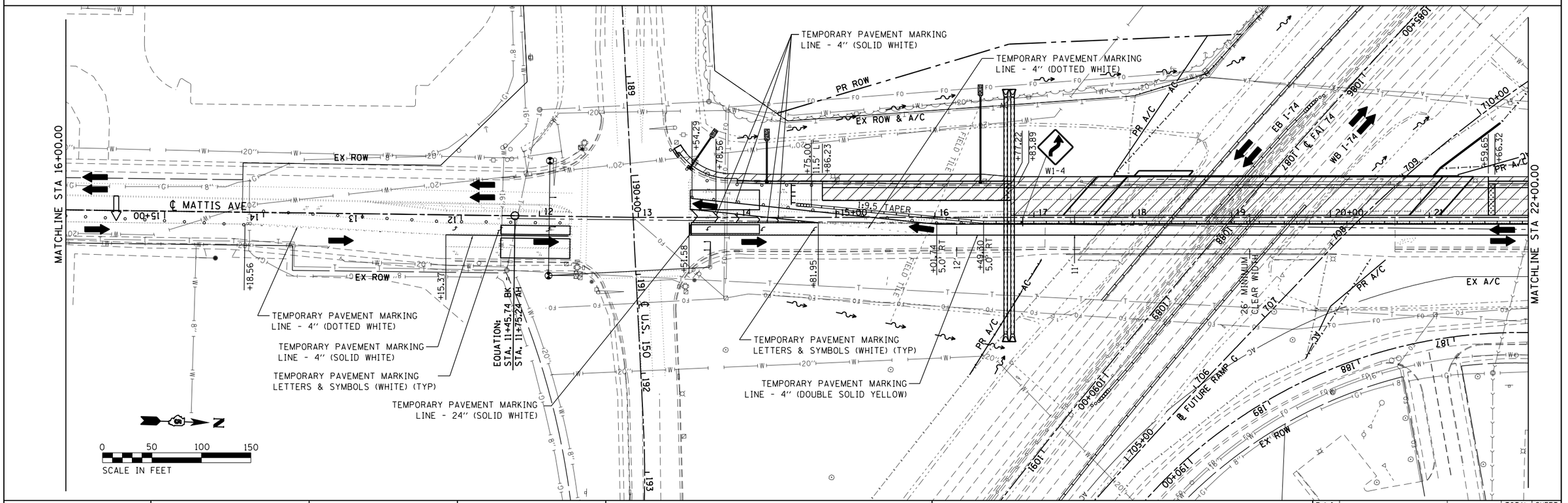
MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 1

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	54
• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38			
ILLINOIS FED. AID PROJECT				



NOTE: SEE HIGHWAY STANDARD 701602 FOR MORE INFORMATION REGARDING PLACEMENT OF SIGNS AND BARRICADES.



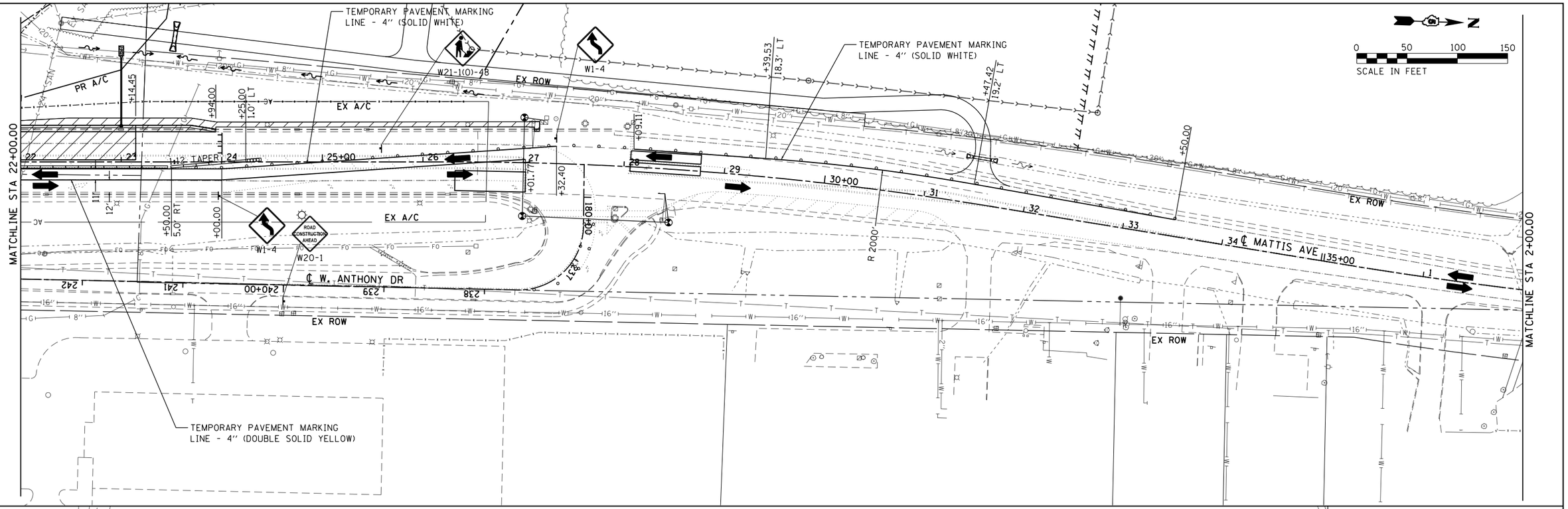
FILE NAME = D570B38-sht-MOT-Mattis74-Stage1.dgn Default	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:13 AM	DATE - 05/07/2019	REVISED -

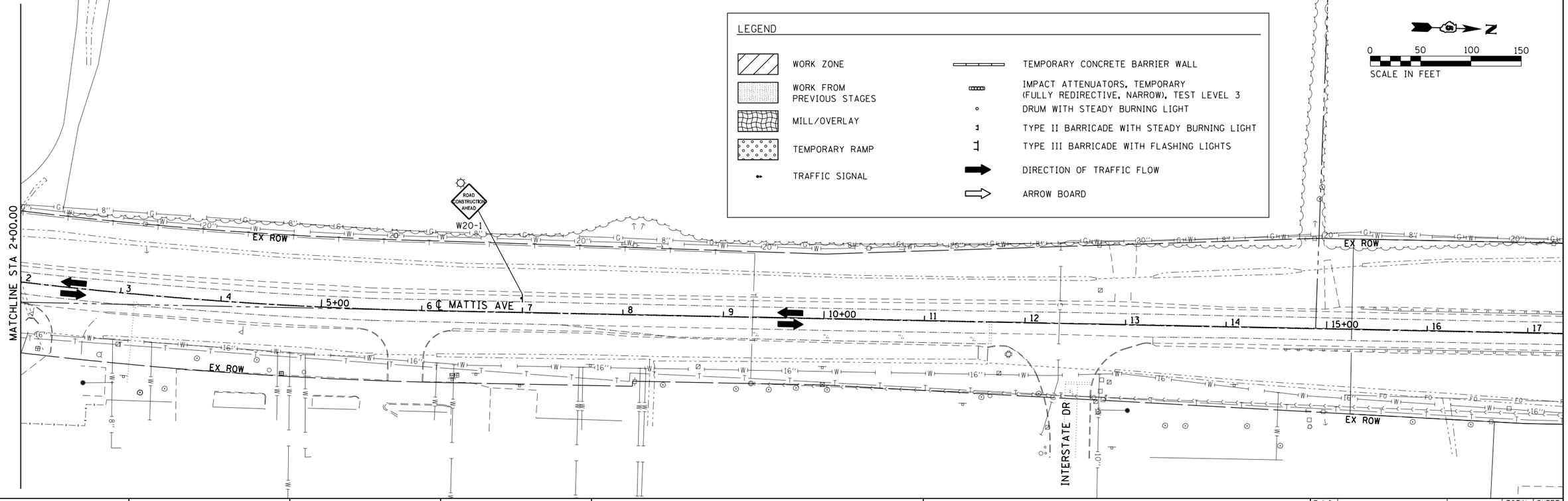
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 1

SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	55
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		





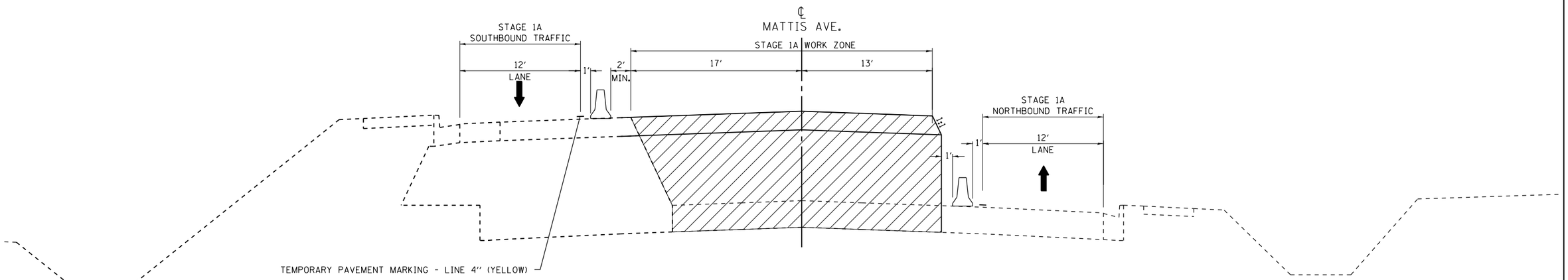
FILE NAME = D570B38-sht-MOT-Mattis74-Stage1.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:13 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 1

SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	56
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



MATTIS AVE. OVER I-74 STAGE 1A TYPICAL #1

SEE PROPOSED TYPICAL SECTION SHEETS FOR MORE DETAIL

STAGE 1A

TRAFFIC
SHIFT SOUTHBOUND TRAFFIC WEST AND PROVIDE ONE 12′ SOUTHBOUND TRAVEL LANE AND KEEP NORTHBOUND TRAFFIC IN LANE CONFIGURATION FROM STAGE 1.

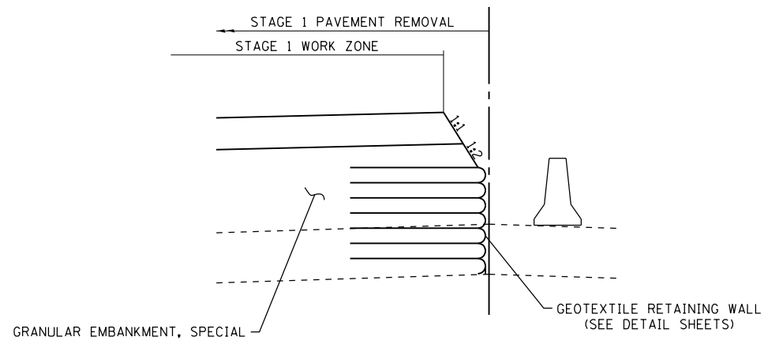
ROADWAY CONSTRUCTION
REMOVE EXISTING PAVEMENT AND CONSTRUCT PROPOSED SOUTHBOUND EMBANKMENT AND PAVEMENT.

SEE PROPOSED TYPICAL SECTION SHEETS FOR DETAILED INFORMATION.

STAGE GENERAL NOTES
SEE PAVEMENT PROFILE TRANSITIONS DETAIL.

SEE STRUCTURE PLANS FOR BRIDGE STAGING.

SEE I-74 DETOUR PLANS FOR I-74 TRAFFIC DURING BEAM REMOVAL AND REPLACEMENT OPERATIONS.



GEOTEXTILE RETAINING WALL

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER WALL
- VERTICAL PANEL, POST MOUNTED
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- DRUM WITH STEADY BURNING LIGHT
- CONE, DRUM, OR BARRICADE

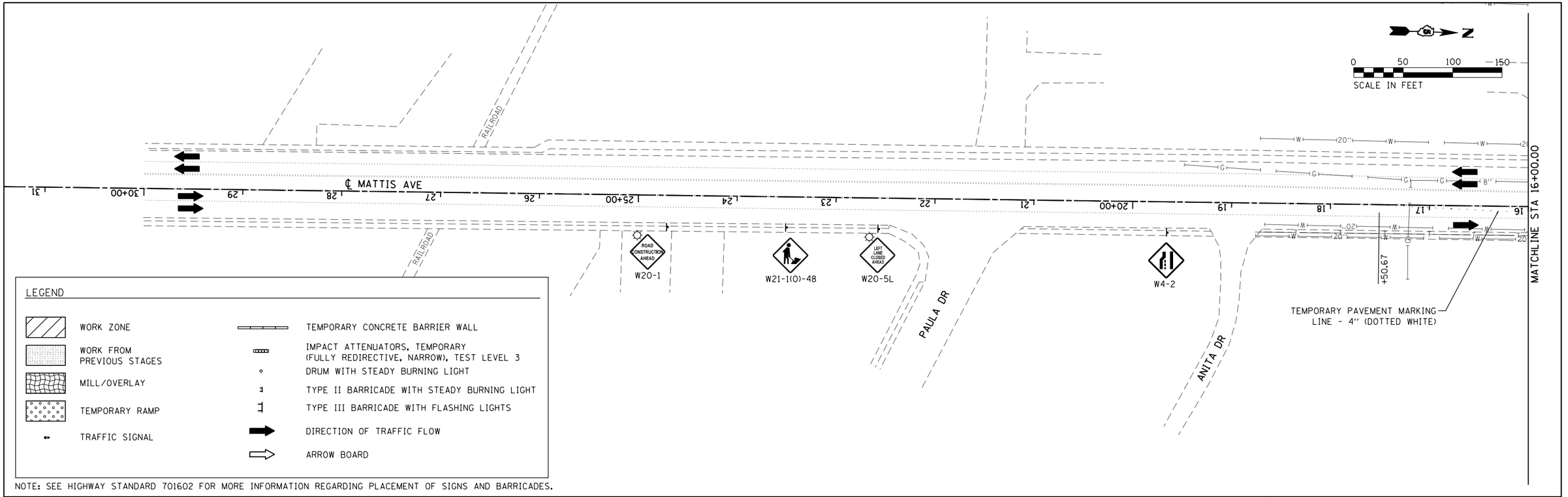
FILE NAME = D570B38-sht-MOT-Mattis74-Stage1A.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 100.0000 ′ / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:14 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 1A

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	57
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		



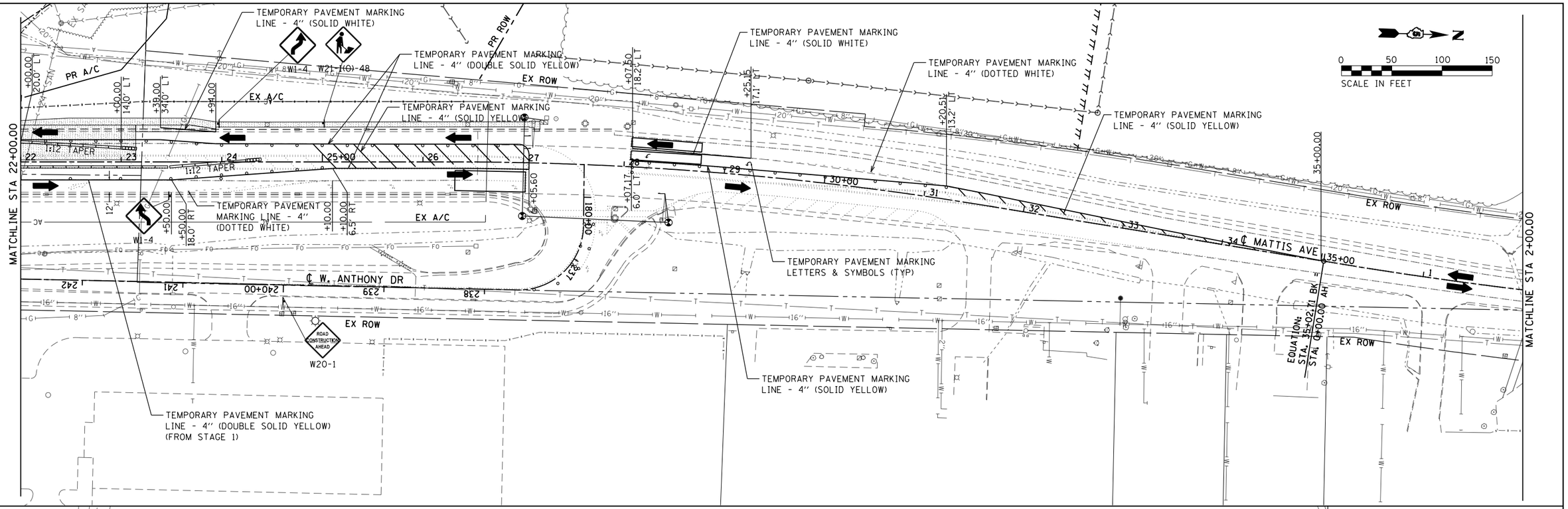
FILE NAME = D570B38-sht-MOT-Mattis74-Stage1A.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:15 AM	DATE - 05/07/2019	REVISED -

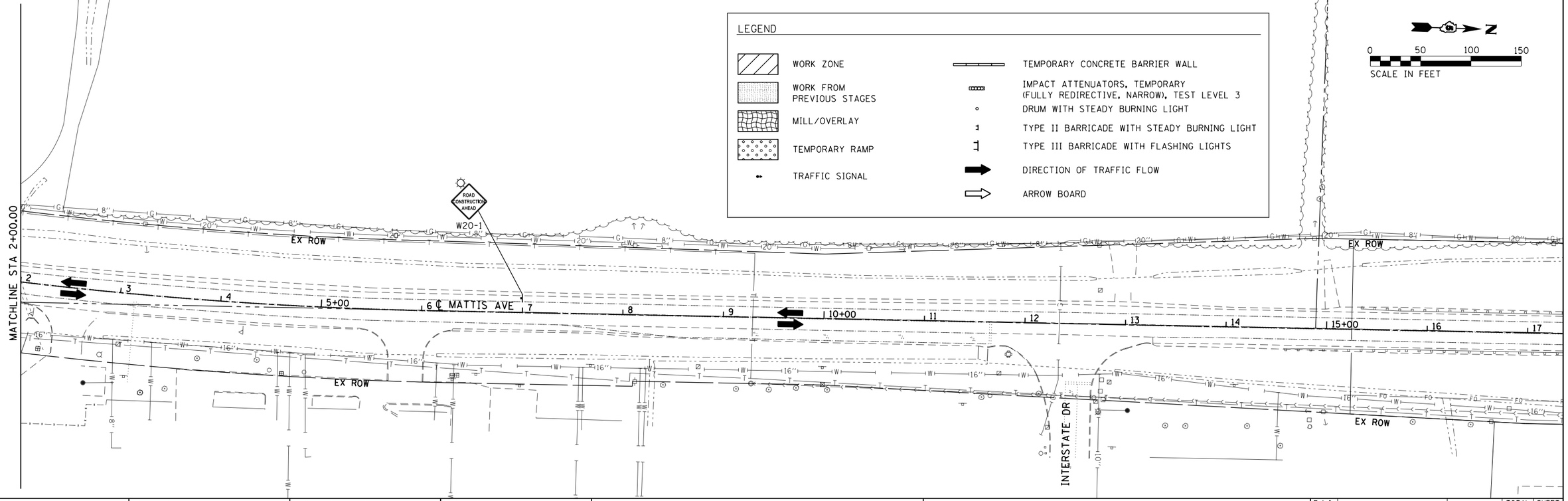
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 1A

SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	58
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		





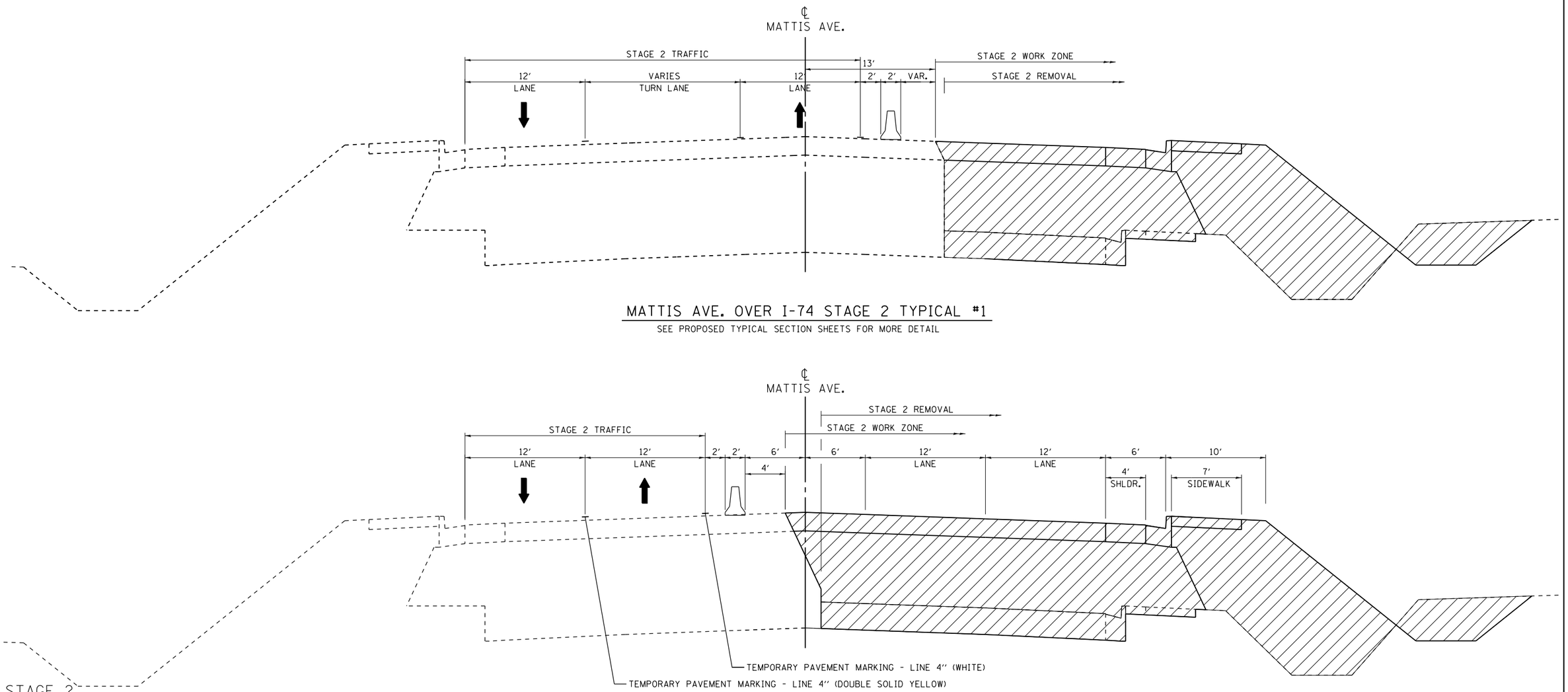
FILE NAME = D570B38-sht-MOT-Mattis74-Stage1A.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:15 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 1A

SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	59
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



MATTIS AVE. OVER I-74 STAGE 2 TYPICAL #1

SEE PROPOSED TYPICAL SECTION SHEETS FOR MORE DETAIL

MATTIS AVE. OVER I-74 STAGE 2 TYPICAL #2

SEE PROPOSED TYPICAL SECTION SHEETS FOR MORE DETAIL

STAGE 2

TRAFFIC

SHIFT NORTHBOUND TRAFFIC WEST AND PROVIDE ONE 12′ SOUTHBOUND TRAVEL LANE AND ONE 12′ NORTHBOUND TRAVEL LANE.

ROADWAY CONSTRUCTION

REMOVE EXISTING NORTHBOUND PAVEMENT AND CONSTRUCT PROPOSED NORTHBOUND EMBANKMENT AND PAVEMENT.

SEE PROPOSED TYPICAL SECTION SHEETS FOR DETAILED INFORMATION.

STAGE GENERAL NOTES

SEE PAVEMENT PROFILE TRANSITIONS DETAIL.

SEE STRUCTURE PLANS FOR BRIDGE STAGING.

SEE I-74 DETOUR PLANS FOR I-74 TRAFFIC DURING BEAM REMOVAL AND REPLACEMENT OPERATIONS.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER WALL
- VERTICAL PANEL, POST MOUNTED
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- DRUM WITH STEADY BURNING LIGHT
- CONE, DRUM, OR BARRICADE

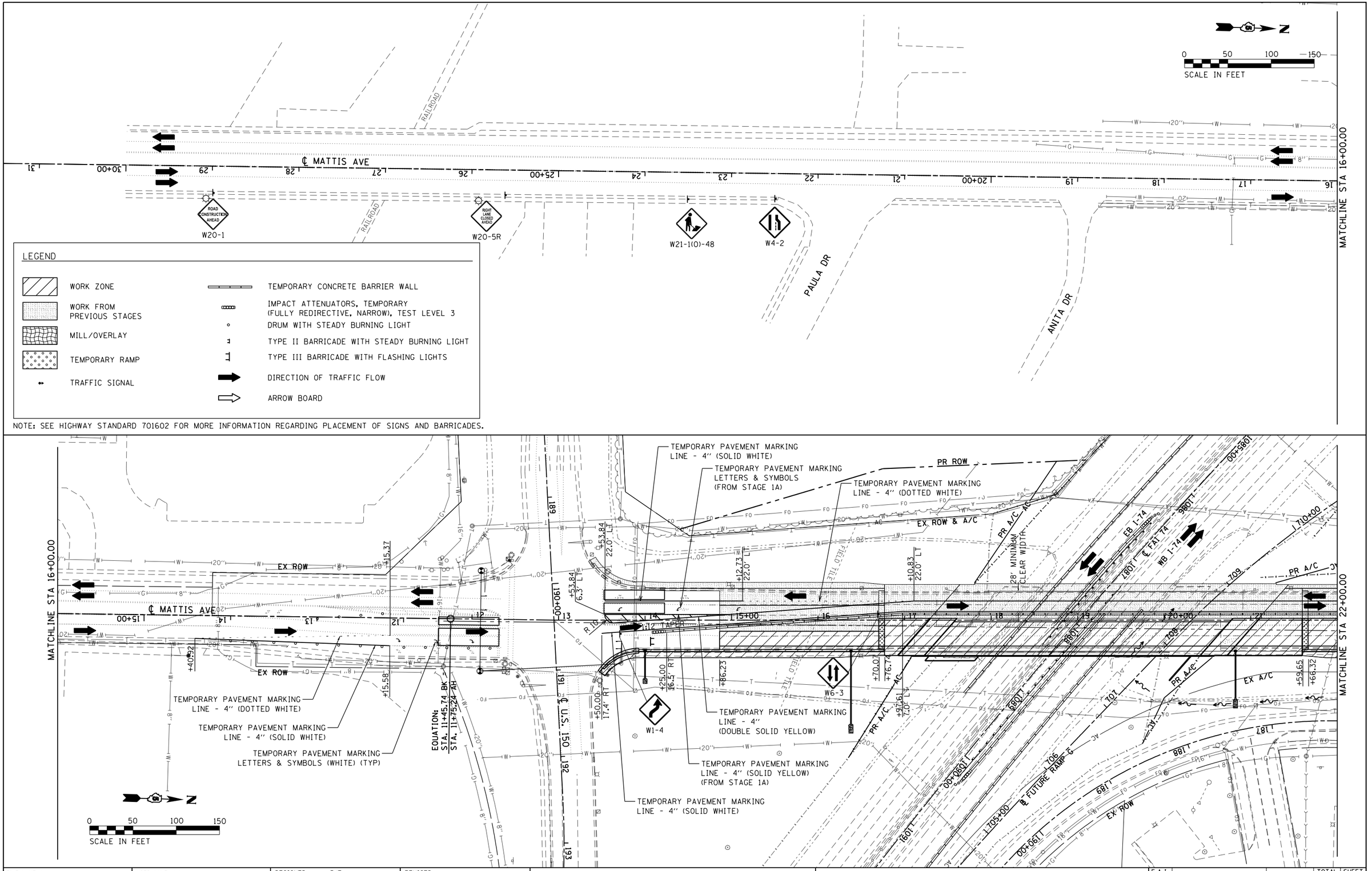
FILE NAME = D570B38-sht-MOT-Mattis74-Stage2.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:17 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 2

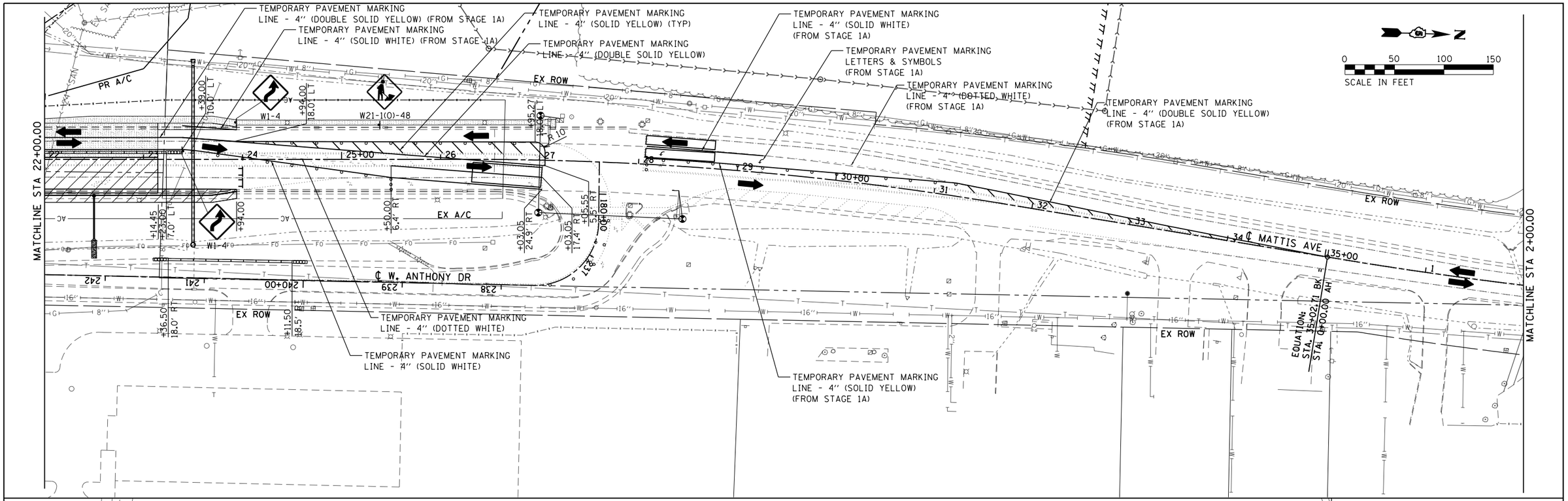
SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	60
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



FILE NAME = D570838-sht-MOT-Mattis74-Stage2.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN MATTIS OVER I-74 STAGE 2
		DRAWN - BJE	REVISED -		
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -		SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 5/9/2019 - 6:45:17 AM	DATE - 05/07/2019	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	61
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		



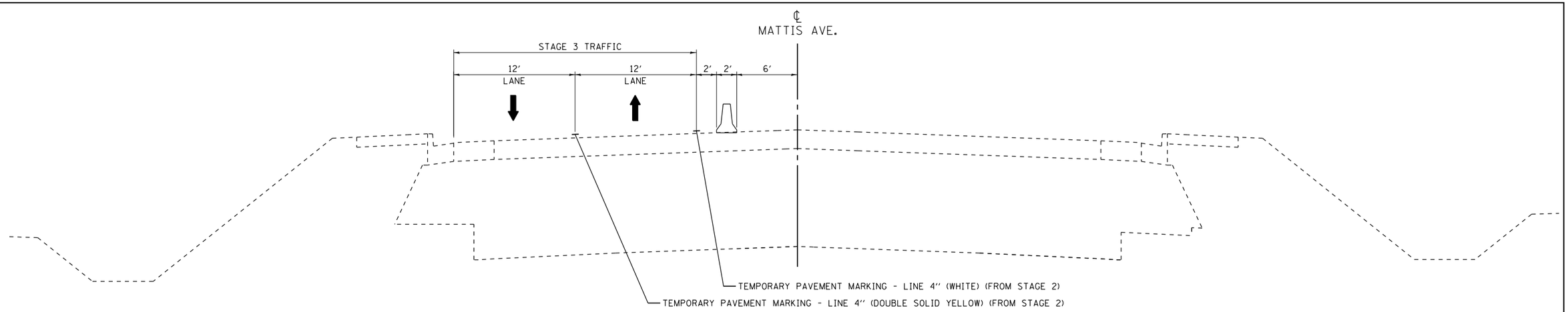
FILE NAME = D570B38-sht-MOT-Mattis74-Stage2.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:18 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 2

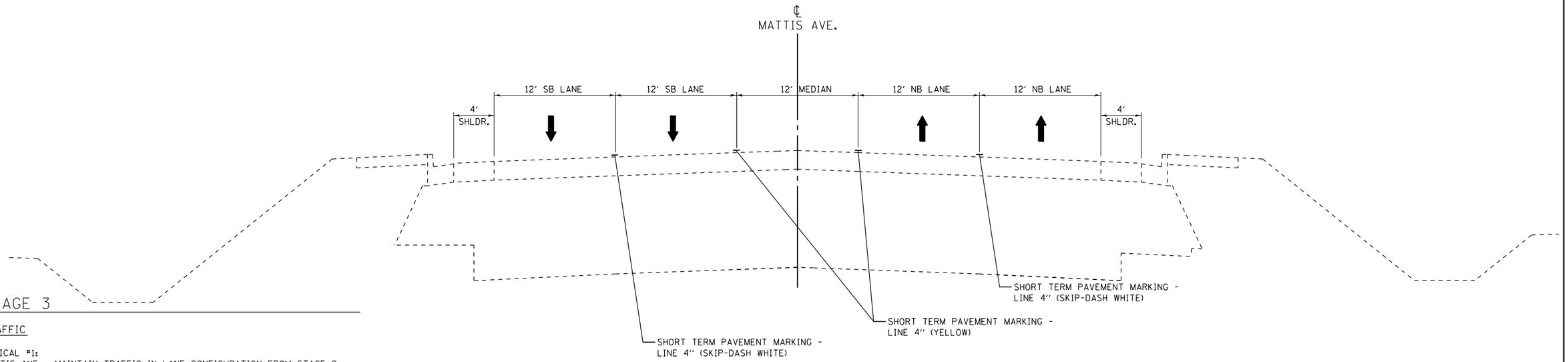
SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	62
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



MATTIS AVE. OVER I-74 STAGE 3 TYPICAL #1

(DURING STAGE 3 BRIDGE CLOSURE POUR CONSTRUCTION)



MATTIS AVE. OVER I-74 STAGE 3 TYPICAL #2

NOTE: FOR SHORT TERM PAVEMENT MARKING AFTER FINAL ROADWAY SURFACE COURSE HAS BEEN CONSTRUCTED.

STAGE 3

TRAFFIC

TYPICAL #1:
MATTIS AVE - MAINTAIN TRAFFIC IN LANE CONFIGURATION FROM STAGE 2 UNTIL STAGE 3 BRIDGE CLOSURE POUR IS COMPLETE.

AT COMPLETION OF STAGE 3 BRIDGE CLOSURE POUR CONSTRUCTION, SHIFT MATTIS AVE TRAFFIC INTO FINAL LANE CONFIGURATIONS.

TYPICAL #2:
HOT-MIX ASPHALT SURFACE COURSE SHALL BE CONSTRUCTED AT THE CONCLUSION OF STAGE 3 CONSTRUCTION UTILIZING LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARDS. TRAFFIC CONTROL AND PROTECTION PAID FOR AS TRAFFIC CONTROL AND PROTECTION, STANDARD 701602, SPECIAL

ROADWAY CONSTRUCTION

AT COMPLETION OF STAGE 3 BRIDGE CLOSURE POUR CONSTRUCTION, CONSTRUCT PROPOSED PAVEMENT SURFACE COURSE AND PLACE FINAL ROADWAY PAVEMENT MARKINGS.

STAGE GENERAL NOTES

SEE STRUCTURE PLANS FOR BRIDGE STAGING.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER WALL
- VERTICAL PANEL, POST MOUNTED
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- DRUM WITH STEADY BURNING LIGHT
- CONE, DRUM, OR BARRICADE

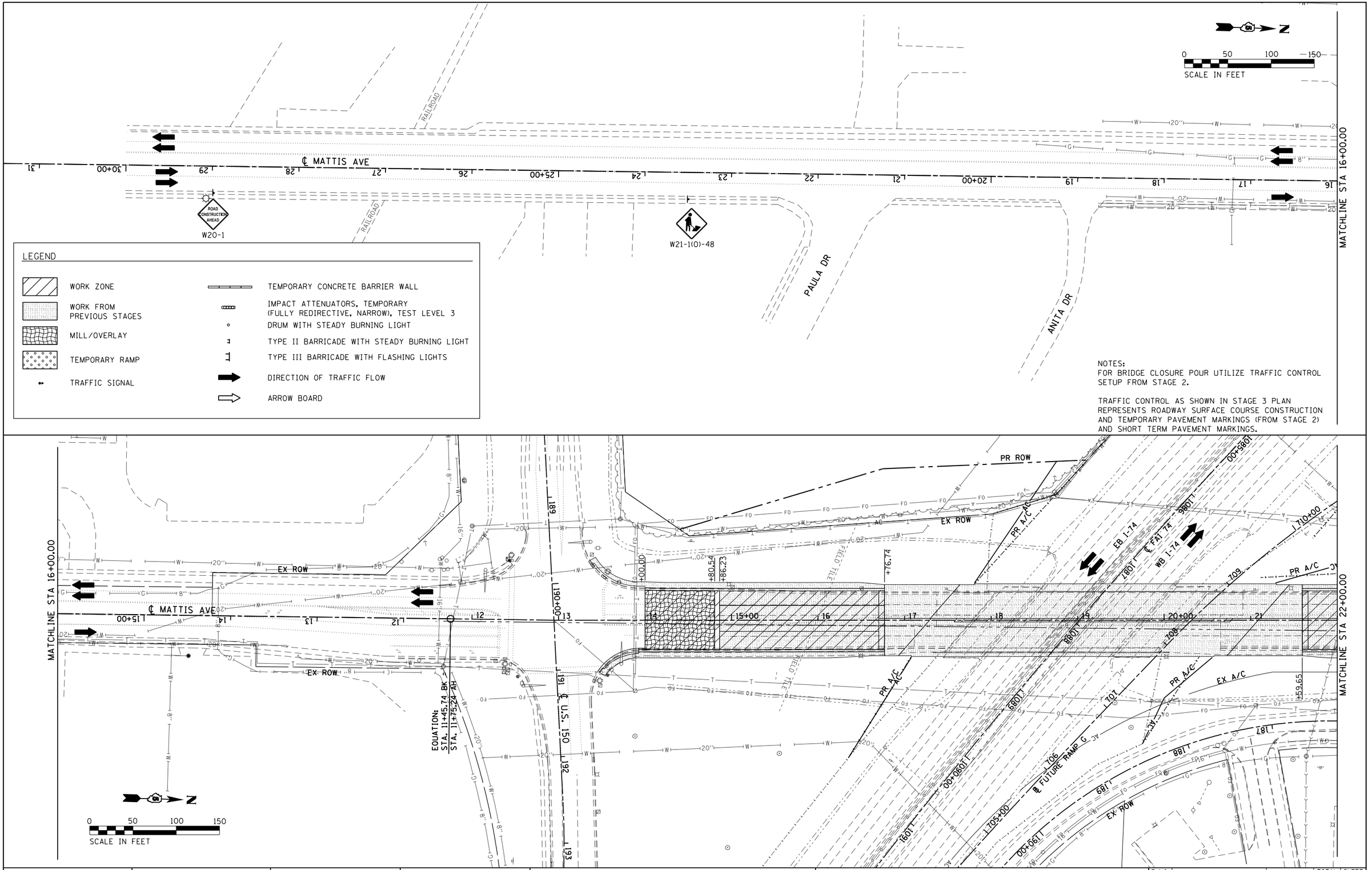
FILE NAME = D570B38-sht-MOT-Mattis74-Stage3.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:19 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 3

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	63
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



LEGEND

- WORK ZONE
- WORK FROM PREVIOUS STAGES
- MILL/OVERLAY
- TEMPORARY RAMP
- TRAFFIC SIGNAL
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING LIGHT
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC FLOW
- ARROW BOARD

NOTES:
FOR BRIDGE CLOSURE POUR UTILIZE TRAFFIC CONTROL SETUP FROM STAGE 2.

TRAFFIC CONTROL AS SHOWN IN STAGE 3 PLAN REPRESENTS ROADWAY SURFACE COURSE CONSTRUCTION AND TEMPORARY PAVEMENT MARKINGS (FROM STAGE 2) AND SHORT TERM PAVEMENT MARKINGS.

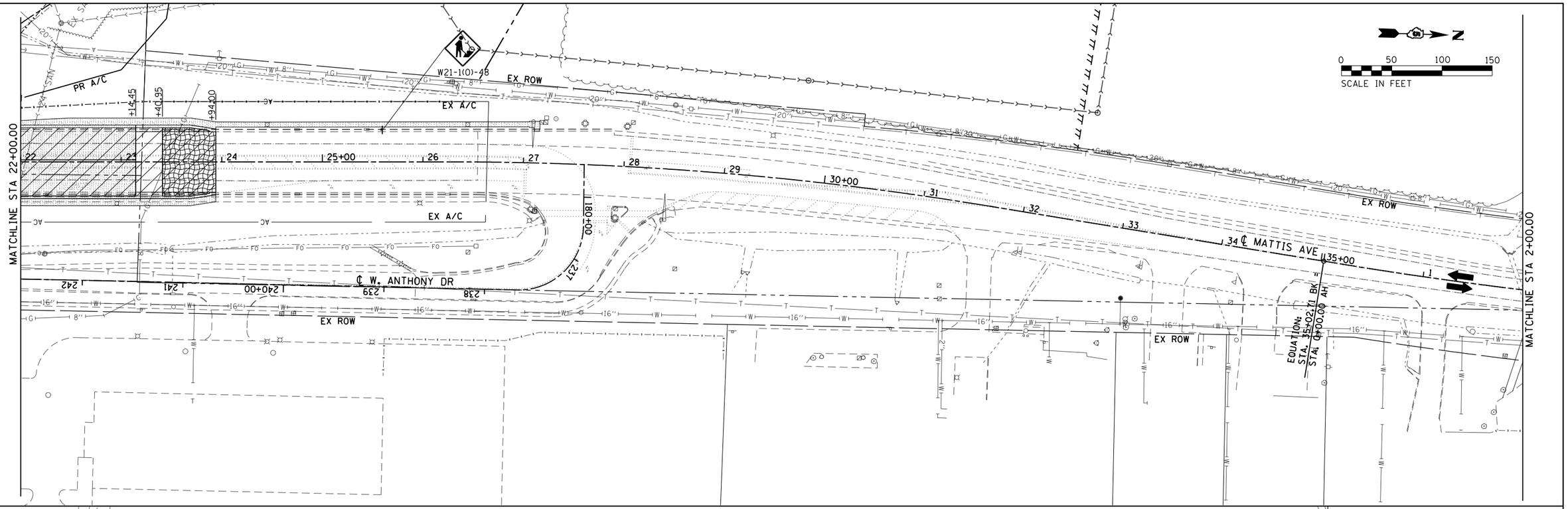
FILE NAME = D570B38-sht-MOT-Mattis74-Stage3.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:19 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 3

SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	64
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



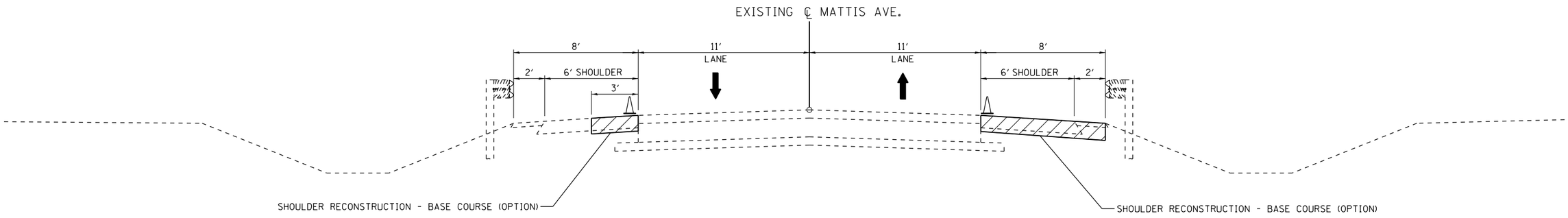
FILE NAME = D570B38-sht-MOT-Mattis74-Stage3.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
Default		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:20 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-74 STAGE 3

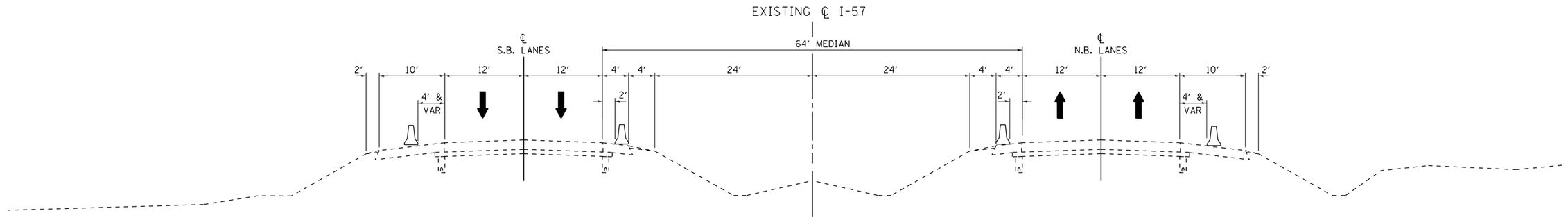
SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	65
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		



PRE-STAGE A TYPICAL #1 - MATTIS OVER I-57

STA. 19+14.00 TO STA 23+13.76 LT
STA. 26+40.00 TO STA 30+61.00 LT
STA. 18+54.00 TO STA 19+54.77 RT
STA. 30+20.00 TO STA 31+15.00 RT



PRE-STAGE A TYPICAL #2 - I-57

SEE TRAFFIC CONTROL AND PROTECTION (SPECIAL) DETAIL

PRE-STAGE A

TRAFFIC

MATTIS AVE - MAINTAIN TRAFFIC IN EXISTING LANE CONFIGURATIONS. UTILIZE HIGHWAY STANDARD 701201 AS NEEDED TO RECONSTRUCT EXISTING SHOULDERS.

I-57 - MAINTAIN TRAFFIC IN EXISTING LANE CONFIGURATIONS.

ROADWAY CONSTRUCTION

MATTIS AVE - RECONSTRUCT EXISTING SHOULDERS, ONE DIRECTION AT A TIME.

I-57 - PLACE TEMPORARY CONCRETE BARRIER. SEE TRAFFIC CONTROL AND PROTECTION (SPECIAL) DETAIL SHEET AND SPECIAL PROVISIONS.

STAGE GENERAL NOTES

ALL LANES SHALL REMAIN OPEN DURING NON-WORKING HOURS.

NO OPEN HOLES SHALL BE ALLOWED OVERNIGHT.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER WALL
- VERTICAL PANEL, POST MOUNTED
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- DRUM WITH STEADY BURNING LIGHT
- CONE, DRUM, OR BARRICADE

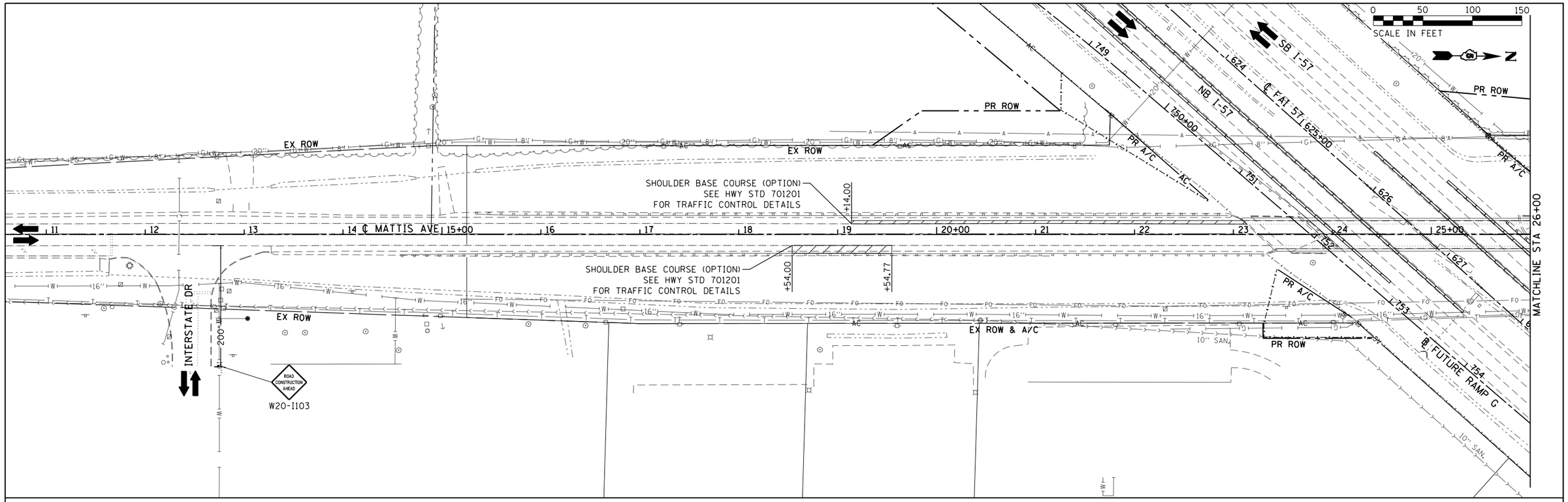
FILE NAME = D570B38-sht-MOT-Mattis57-PreStageA.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:21 AM	DATE - 05/07/2019	REVISED -

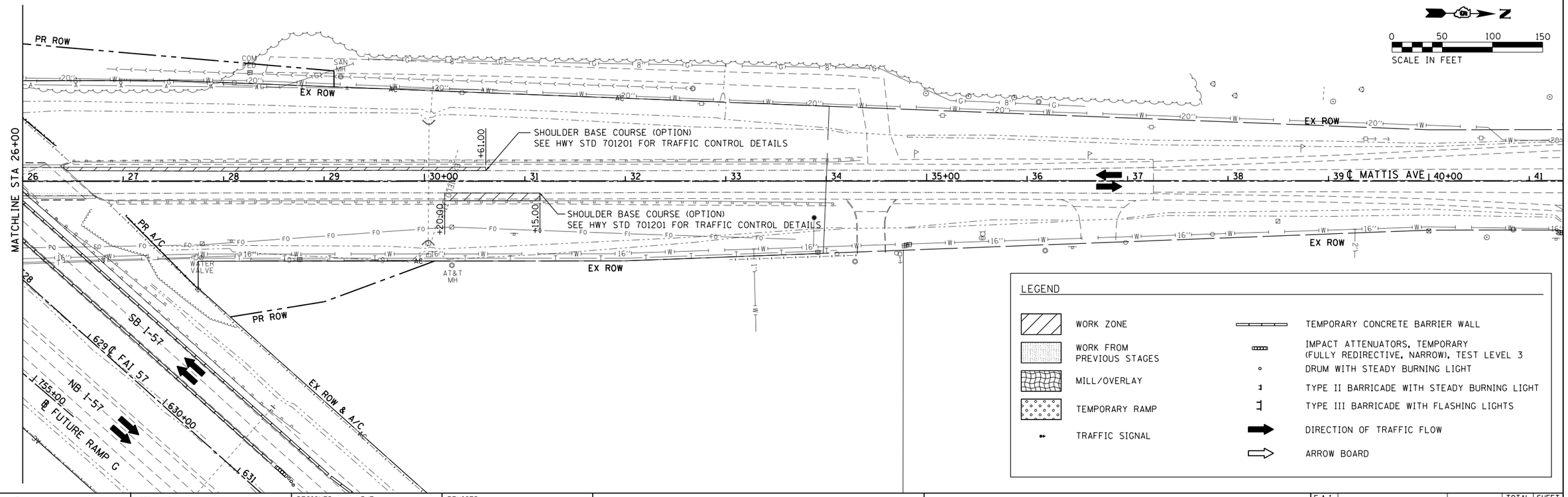
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-57 PRE-STAGE A

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	66
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		





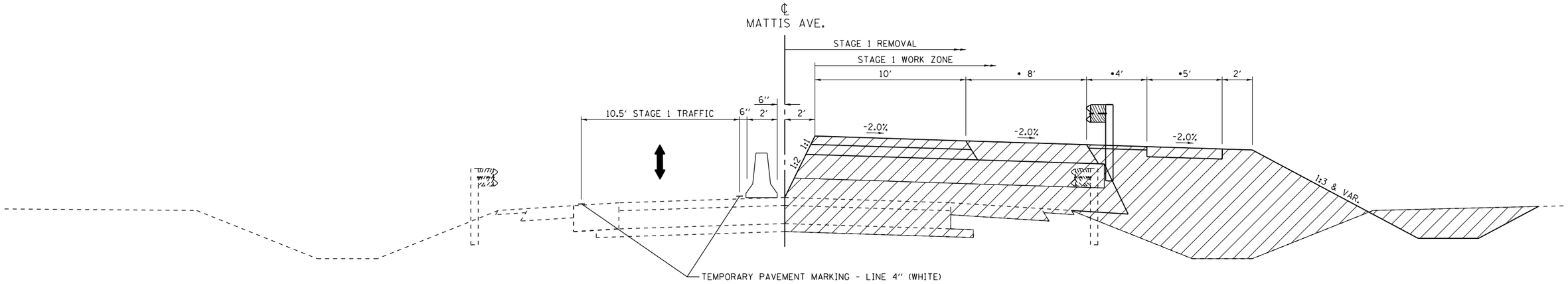
FILE NAME = D570B38-sht-MOT-Mattis57-PreStageA.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:21 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-57 PRE-STAGE A

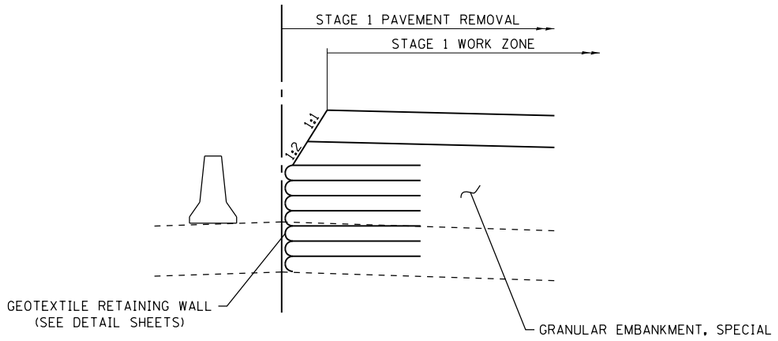
SCALE: 1" = 50' | SHEET OF SHEETS | STA. 11+00.00 | TO STA. 41+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	67
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



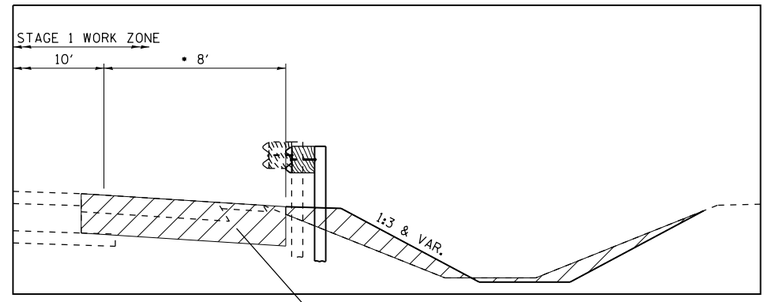
MATTIS AVE. OVER I-57 STAGE 1 TYPICAL #1

SEE PROPOSED TYPICAL SECTION SHEETS FOR MORE DETAIL

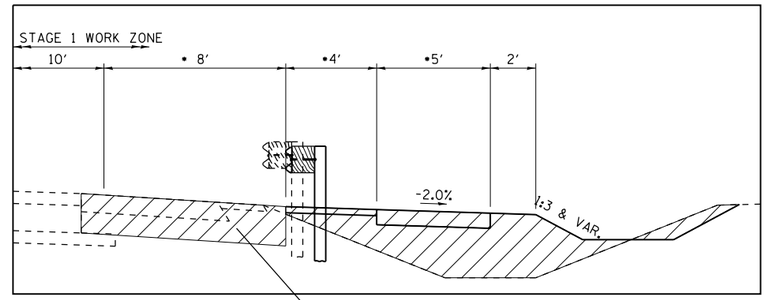


GEOTEXTILE RETAINING WALL

• STA. 19+35.00 TO STA. 19+85.00 RT
STA. 29+40.79 TO STA 30+20.00 RT



• STA. 19+85.00 TO STA 20+26.21 RT



STAGE 1

TRAFFIC

MATTIS AVE - SHIFT TRAFFIC WEST AND PROVIDE ONE 10.5' TRAVEL LANE, UTILIZING ALTERNATING ONE-WAY OPERATIONS. TRAFFIC CONTROL DEVICES NOT SHOWN IN THESE PLANS. SHALL FOLLOW HIGHWAY STANDARD 701321.

ROADWAY CONSTRUCTION

MATTIS AVE - REMOVE EXISTING NORTHBOUND PAVEMENT. CONSTRUCT PROPOSED NORTHBOUND EMBANKMENT AND PAVEMENT. SURFACE COURSE SHALL BE CONSTRUCTED AT THE CONCLUSION OF STAGE 3 CONSTRUCTION.

DAMAGE TO BASE COURSE OPTION CAUSED BY THE CONTRACTOR'S OPERATION, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED PRIOR TO LIVE TRAFFIC AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SEE PROPOSED TYPICAL SECTION SHEETS FOR DETAILED INFORMATION.

STAGE GENERAL NOTES

SEE PAVEMENT PROFILE TRANSITIONS DETAIL.

SEE STRUCTURE PLANS FOR BRIDGE STAGING.

USE I-57 DETOUR PLANS FOR TRAFFIC DURING BEAM REMOVAL AND REPLACEMENT OPERATIONS.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER WALL
- VERTICAL PANEL, POST MOUNTED
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- DRUM WITH STEADY BURNING LIGHT
- CONE, DRUM, OR BARRICADE

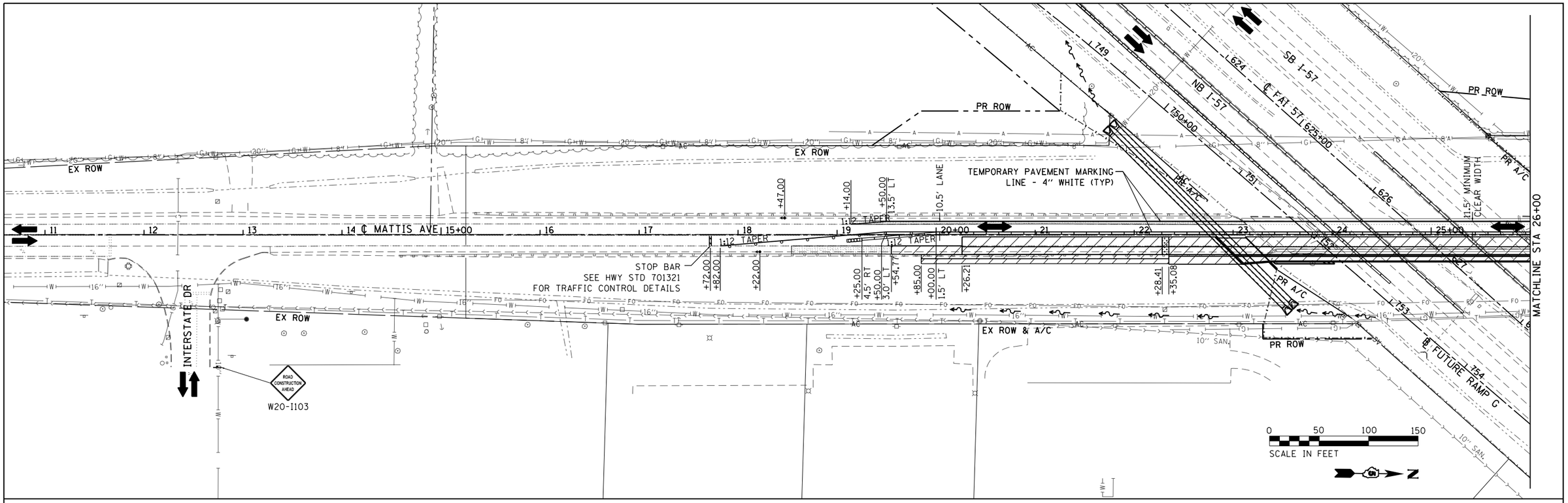
FILE NAME = D570B38-sht-MOT-Mattis57-Stage1.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:22 AM	DATE - 05/07/2019	REVISED -

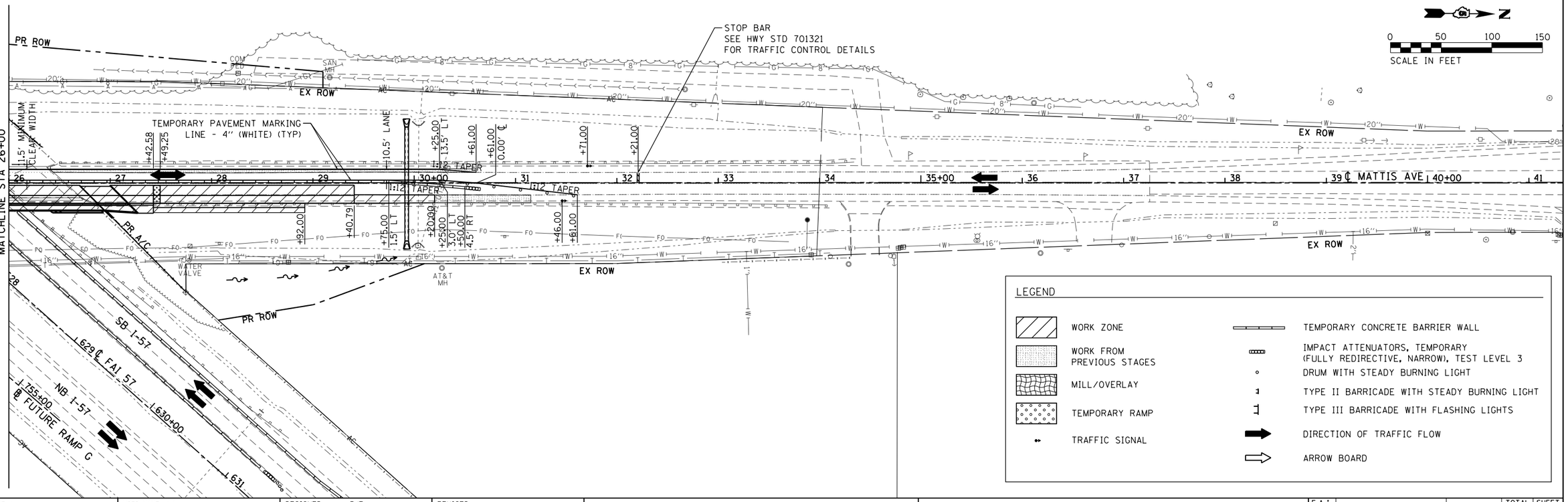
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-57 STAGE 1

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	68
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			





LEGEND

- WORK ZONE
- WORK FROM PREVIOUS STAGES
- MILL/OVERLAY
- TEMPORARY RAMP
- TRAFFIC SIGNAL
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- DRUM WITH STEADY BURNING LIGHT
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC FLOW
- ARROW BOARD

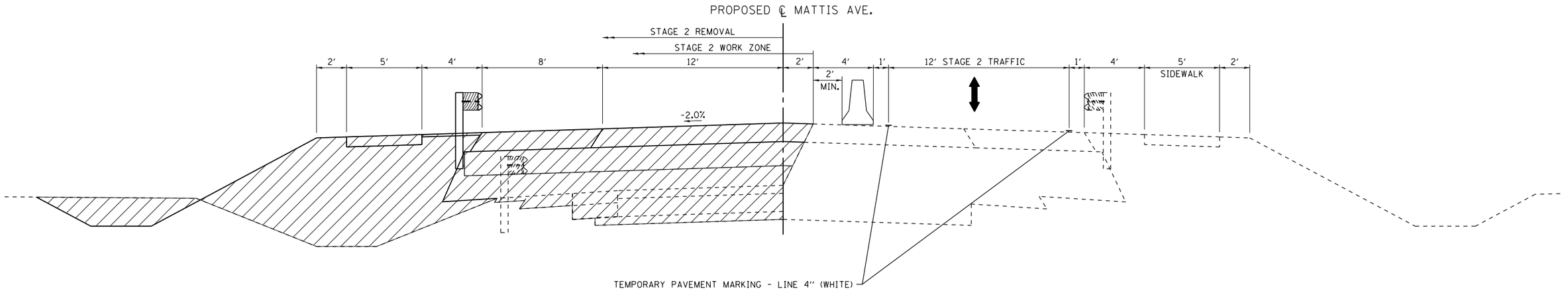
FILE NAME = D570B38-sht-MOT-Mattis57-Stage1.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
Default		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:22 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-57 STAGE 1

SCALE: 1" = 50' | SHEET OF SHEETS | STA. 11+00.00 | TO STA. 41+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	69
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



MATTIS AVE. OVER I-57 STAGE 2 TYPICAL #1

SEE PROPOSED TYPICAL SECTION SHEETS FOR MORE DETAIL

STAGE 2

TRAFFIC

MATTIS AVE - SHIFT TRAFFIC EAST AND PROVIDE ONE 12′ TRAVEL LANE, UTILIZING ALTERNATING ONE-WAY OPERATIONS. TRAFFIC CONTROL DEVICES NOT SHOWN IN THESE PLANS. SHALL FOLLOW HIGHWAY STANDARD 701321.

ROADWAY CONSTRUCTION

MATTIS AVE - REMOVE EXISTING SOUTHBOUND PAVEMENT. CONSTRUCT PROPOSED SOUTHBOUND EMBANKMENT AND PAVEMENT. SURFACE COURSE SHALL BE CONSTRUCTED AT THE CONCLUSION OF STAGE 3 CONSTRUCTION.

SEE PROPOSED TYPICAL SECTION SHEETS FOR DETAILED INFORMATION.

STAGE GENERAL NOTES

SEE PAVEMENT PROFILE TRANSITIONS DETAIL.

SEE STRUCTURE PLANS FOR BRIDGE STAGING.

USE I-57 DETOUR PLANS FOR TRAFFIC DURING BEAM REMOVAL AND REPLACEMENT OPERATIONS.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER WALL
- VERTICAL PANEL, POST MOUNTED
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- DRUM WITH STEADY BURNING LIGHT
- CONE, DRUM, OR BARRICADE

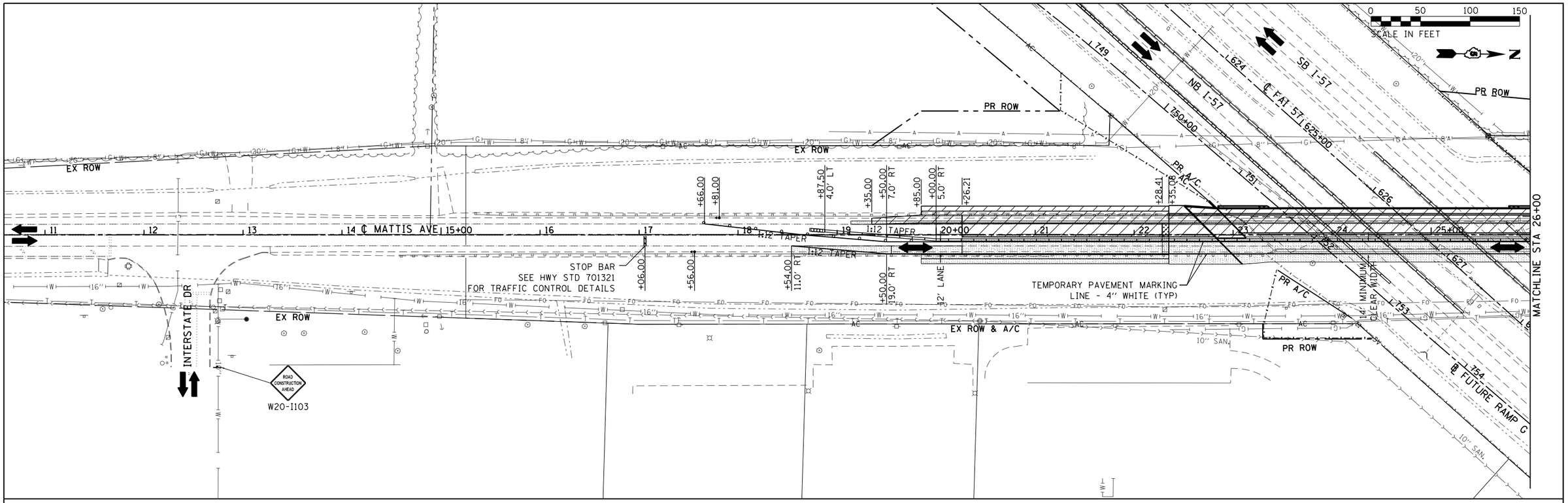
FILE NAME = D570B38-sht-MOT-Mattis57-Stage2.dgn Default	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ′ / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:23 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-57 STAGE 2

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	70
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



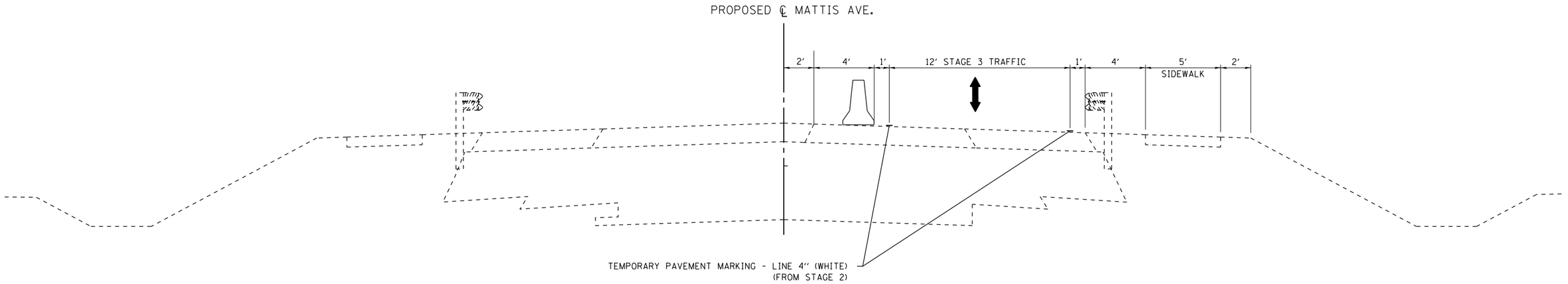
FILE NAME = D570B38-sht-MOT-Mattis57-Stage2.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
Default		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:24 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-57 STAGE 2

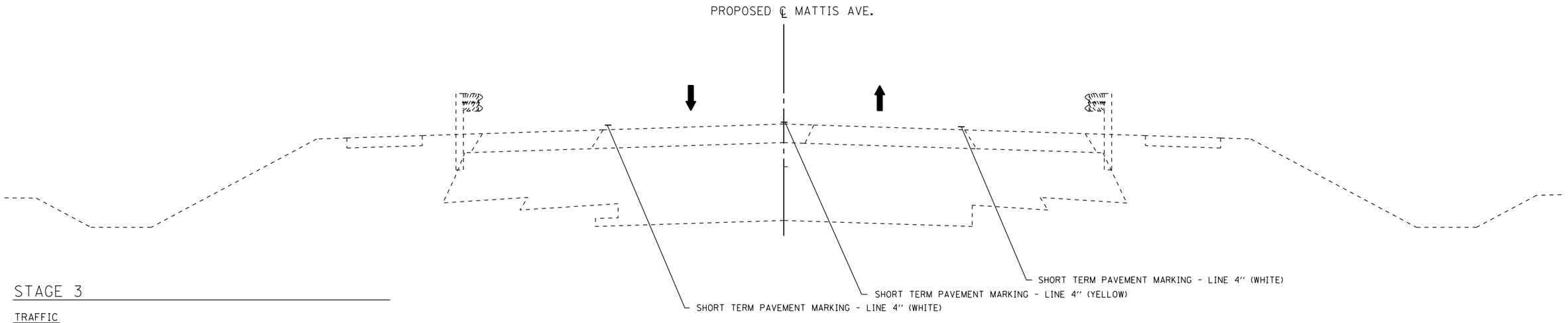
SCALE: 1" = 50' | SHEET OF SHEETS | STA. 11+00.00 | TO STA. 41+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	71
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



MATTIS AVE. OVER I-57 STAGE 3 TYPICAL #1

(DURING STAGE 3 BRIDGE CLOSURE POUR CONSTRUCTION)



MATTIS AVE. OVER I-57 STAGE 3 TYPICAL #2

NOTE: FOR SHORT TERM PAVEMENT MARKING AFTER FINAL ROADWAY SURFACE COURSE HAS BEEN CONSTRUCTED.

STAGE 3

TRAFFIC

MATTIS AVE - MAINTAIN TRAFFIC IN NORTHBOUND LANE AND PROVIDE ONE 12' TRAVEL LANE, UTILIZING ALTERNATING ONE-WAY OPERATIONS (SAME SETUP AS STAGE 2) UNTIL STAGE 3 BRIDGE CLOSURE POUR IS COMPLETE.

AT COMPLETION OF STAGE 3 BRIDGE CLOSURE POUR CONSTRUCTION, SHIFT MATTIS AVE TRAFFIC INTO FINAL LANE CONFIGURATIONS.

HOT-MIX ASPHALT SURFACE COURSE SHALL BE CONSTRUCTED AT THE CONCLUSION OF STAGE 3 CONSTRUCTION UTILIZING LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARDS.

ROADWAY CONSTRUCTION

AT COMPLETION OF STAGE 3 BRIDGE CLOSURE POUR CONSTRUCTION, CONSTRUCT PROPOSED PAVEMENT SURFACE COURSE AND PLACE FINAL ROADWAY PAVEMENT MARKINGS.

STAGE GENERAL NOTES

SEE STRUCTURE PLANS FOR BRIDGE STAGING.

LEGEND

- WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TEMPORARY CONCRETE BARRIER WALL
- VERTICAL PANEL, POST MOUNTED
- TYPE II BARRICADE WITH STEADY BURNING LIGHT
- DRUM WITH STEADY BURNING LIGHT
- CONE, DRUM, OR BARRICADE

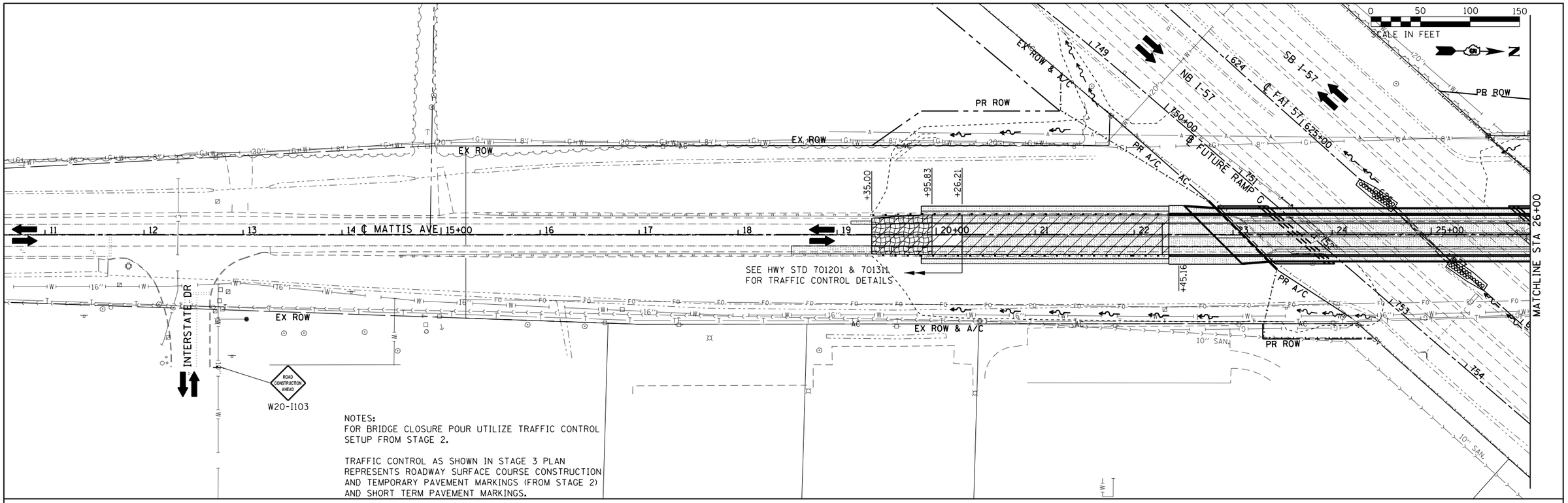
FILE NAME = D570B38-sht-MOT-Mattis57-Stage3.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
Default	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:36 AM	DATE - 05/07/2019	REVISED -

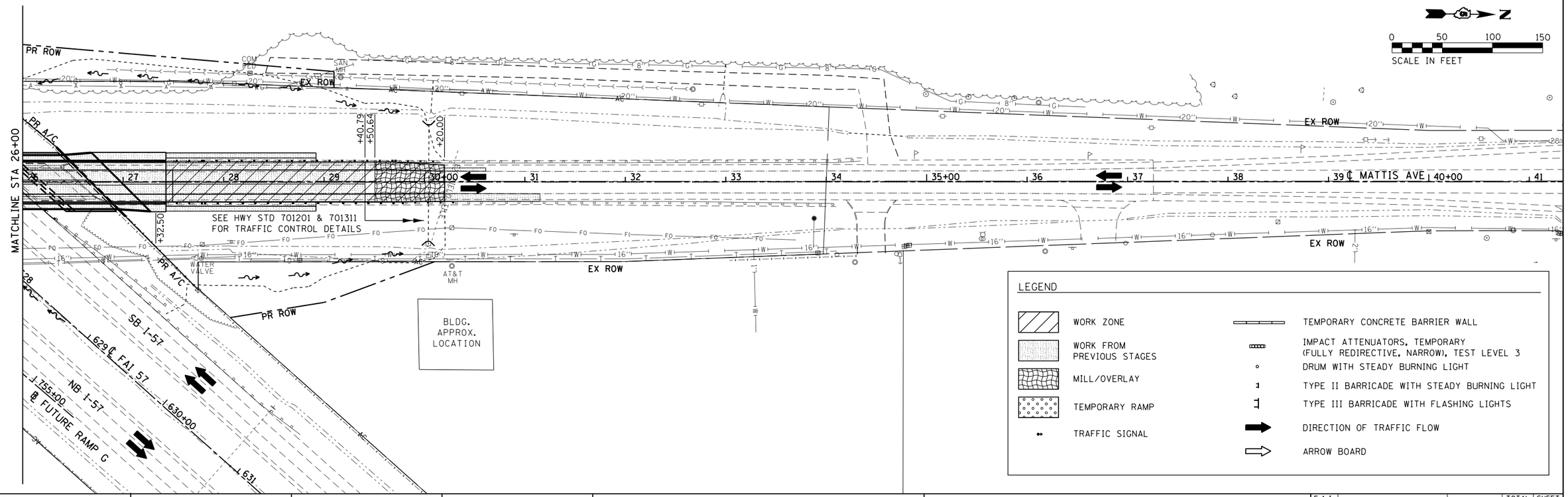
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-57 STAGE 3

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	72
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			





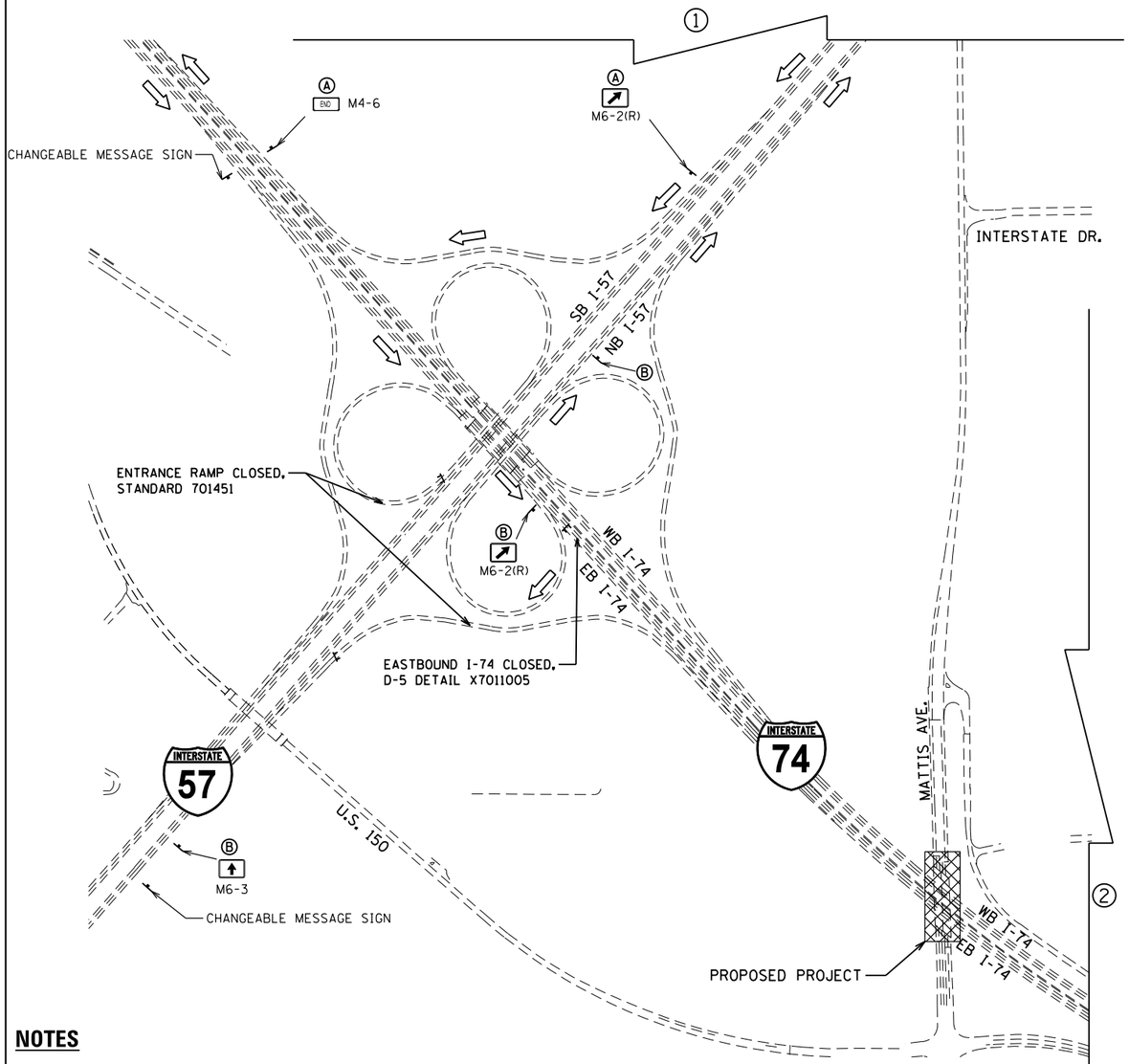
FILE NAME = D570B38-sht-MOT-Mattis57-Stage3.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:36 AM	DATE - 05/07/2019	REVISED -

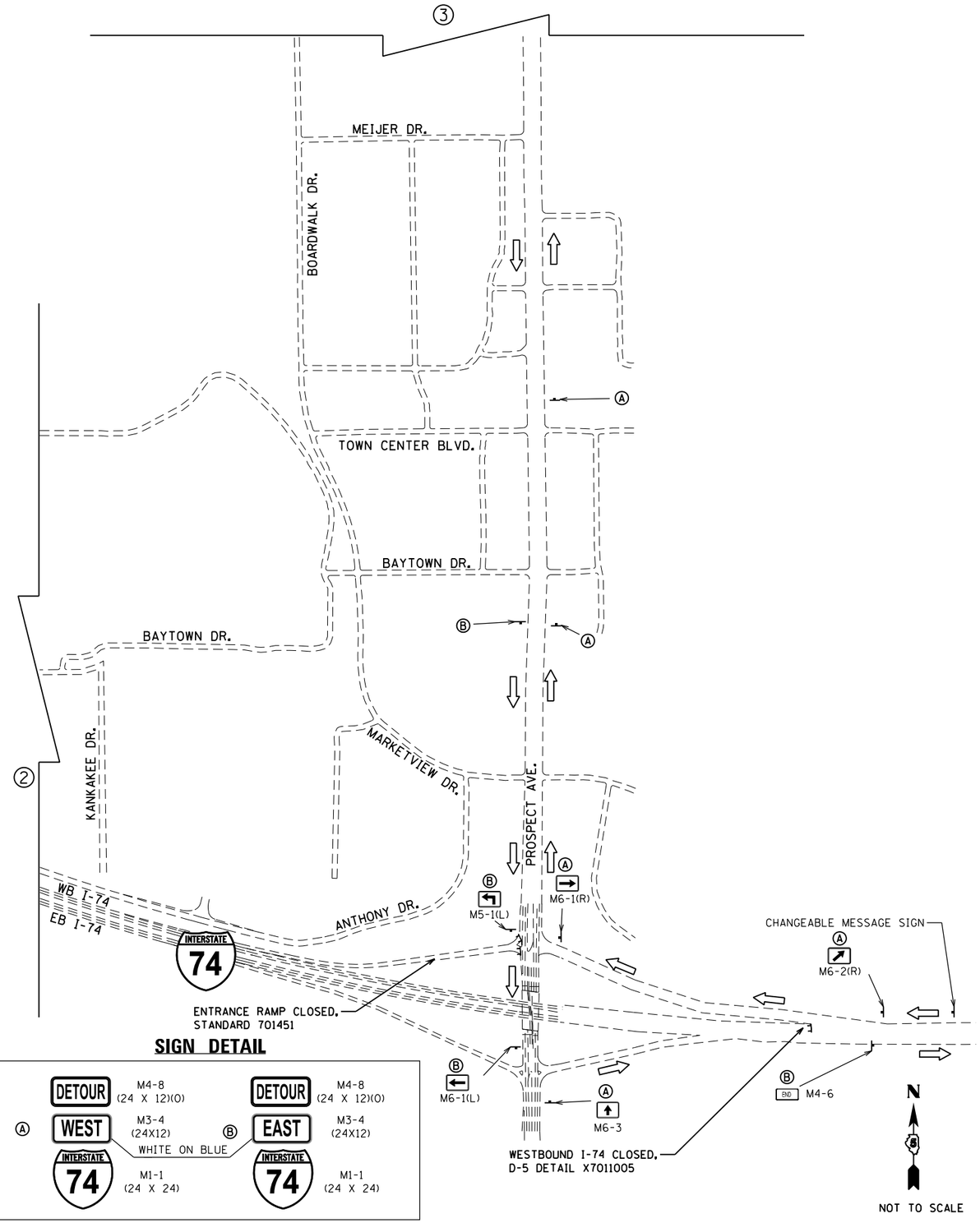
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
MATTIS OVER I-57 STAGE 3

SCALE: 1" = 50' | SHEET OF SHEETS | STA. 11+00.00 | TO STA. 41+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	73
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			





NOTES

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. ALL SIGN MESSAGES AND SIZES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL FURNISH THE SIGNS AND POSTS AND ERECT THE SIGNS AT THE LOCATIONS DIRECTED BY THE ENGINEER. ALL THE SIGNS SHALL BE POST MOUNTED.
4. ALL SIGNING SHALL BE FURNISHED BY THE CONTRACTOR, ERECTED AT THE LOCATIONS SHOWN WITHIN THE CONTRACT PLANS, MAINTAINED, AND REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED IN THE PLANS. ALL WORK ASSOCIATED WITH THE FURNISHING, ERECTING, MAINTAINING, AND REMOVAL OF DETOUR SIGNING WILL BE PAID FOR AS DETOUR SIGNING, L SUM.
5. ANY SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
6. THE CHANGEABLE MESSAGE SIGNS SHALL STATE THE DAY THE ROAD CLOSURE WILL BEGIN AND SHALL BE LOCATED AS DIRECTED BY THE ENGINEER. THE EXACT MESSAGES SHALL BE APPROVED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CAL DA FOR CHANGEABLE MESSAGE SIGN.
7. CONTRACTOR SHALL NOTIFY IDOT DISTRICT 5 OPERATIONS 21 DAYS IN ADVANCE OF ROAD CLOSURE.
8. SEE STANDARD 701451, DISTRICT 5 DETAIL X7011005, AND STAGED MAINTENANCE OF TRAFFIC PLAN SHEETS FOR ADDITIONAL INFORMATION.
9. THESE CLOSURES CANNOT OCCUR DURING THE SAME TIME AS THE CLOSURES OVER I-57.

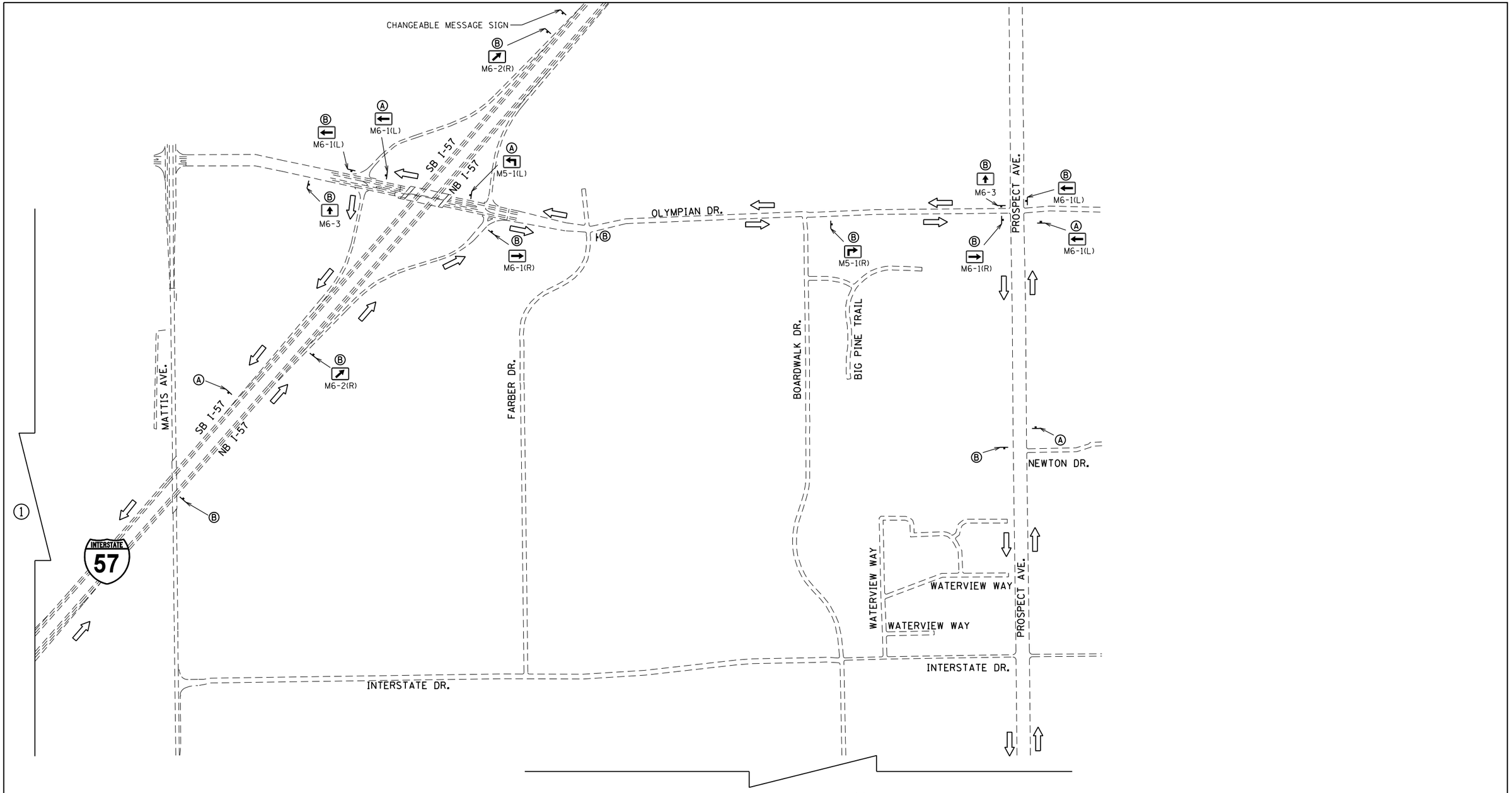
LEGEND

PROPOSED PROJECT

SIGN DETAIL

FILE NAME = D570B38-sht-detour-I74.dgn Default	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR PLAN I-74
		DRAWN - BJE	REVISED -		
	PLOT SCALE = 600.0000 ' / in.	CHECKED - KRC	REVISED -		
	PLOT DATE = 5/9/2019 - 6:45:37 AM	DATE - 05/07/2019	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	74
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
ILLINOIS FED. AID PROJECT				



SIGN DETAIL

	DETOUR	M4-8 (24 X 12)(O)	DETOUR	M4-8 (24 X 12)(O)
A	WEST	M3-4 (24X12)	EAST	M3-4 (24X12)
		WHITE ON BLUE		
	INTERSTATE 74	M1-1 (24 X 24)	INTERSTATE 74	M1-1 (24 X 24)

LEGEND

PROPOSED PROJECT

N

NOT TO SCALE

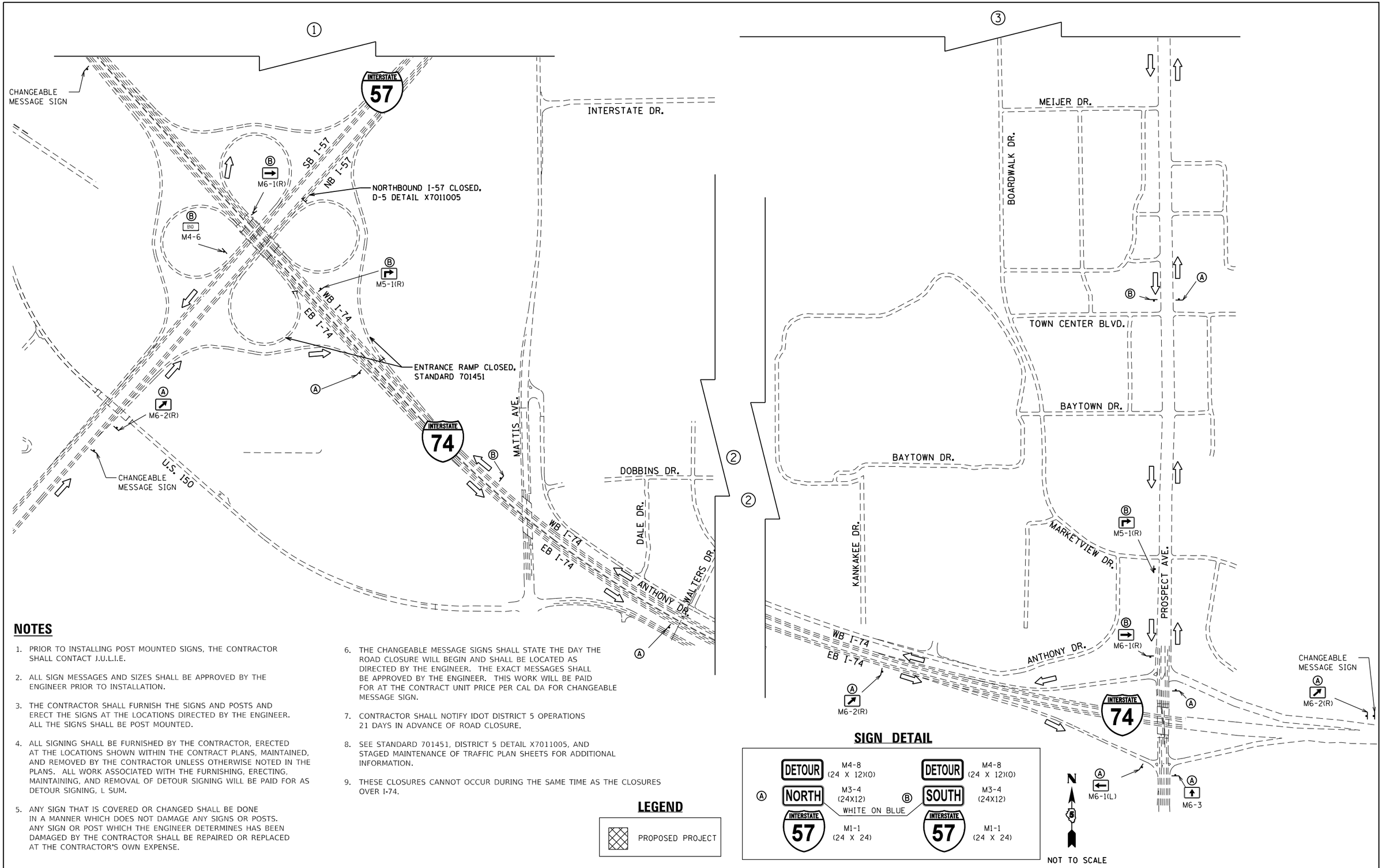
FILE NAME = D570B38-sht-detour-I74.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 600.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:38 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
I-74

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	75
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
ILLINOIS	FED. AID PROJECT			



NOTES

1. PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.
2. ALL SIGN MESSAGES AND SIZES SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL FURNISH THE SIGNS AND POSTS AND ERECT THE SIGNS AT THE LOCATIONS DIRECTED BY THE ENGINEER. ALL THE SIGNS SHALL BE POST MOUNTED.
4. ALL SIGNING SHALL BE FURNISHED BY THE CONTRACTOR, ERECTED AT THE LOCATIONS SHOWN WITHIN THE CONTRACT PLANS, MAINTAINED, AND REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED IN THE PLANS. ALL WORK ASSOCIATED WITH THE FURNISHING, ERECTING, MAINTAINING, AND REMOVAL OF DETOUR SIGNING WILL BE PAID FOR AS DETOUR SIGNING, L SUM.
5. ANY SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.
6. THE CHANGEABLE MESSAGE SIGNS SHALL STATE THE DAY THE ROAD CLOSURE WILL BEGIN AND SHALL BE LOCATED AS DIRECTED BY THE ENGINEER. THE EXACT MESSAGES SHALL BE APPROVED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CAL DA FOR CHANGEABLE MESSAGE SIGN.
7. CONTRACTOR SHALL NOTIFY IDOT DISTRICT 5 OPERATIONS 21 DAYS IN ADVANCE OF ROAD CLOSURE.
8. SEE STANDARD 701451, DISTRICT 5 DETAIL X7011005, AND STAGED MAINTENANCE OF TRAFFIC PLAN SHEETS FOR ADDITIONAL INFORMATION.
9. THESE CLOSURES CANNOT OCCUR DURING THE SAME TIME AS THE CLOSURES OVER I-74.

LEGEND

PROPOSED PROJECT

SIGN DETAIL

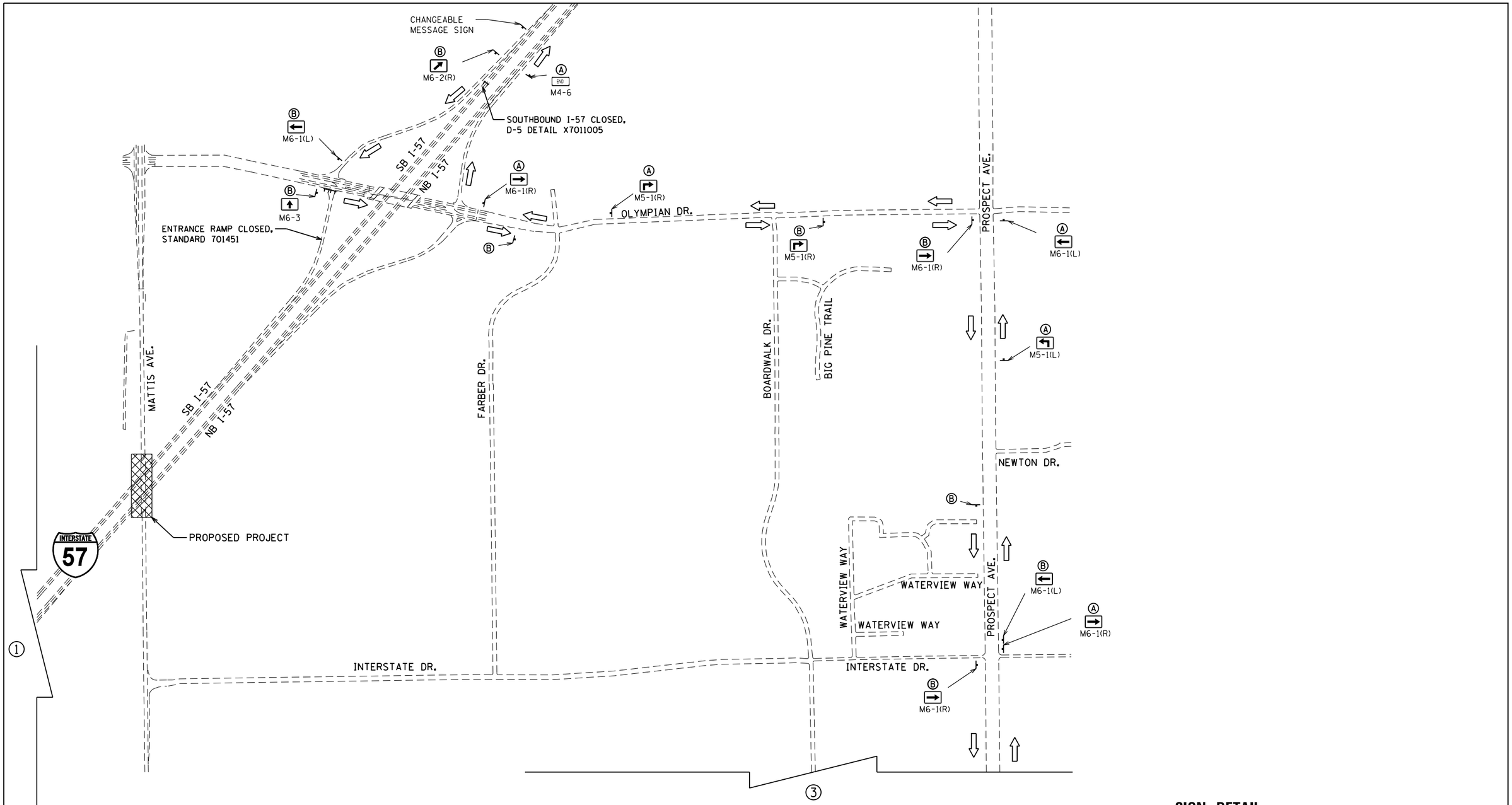
DETOUR	M4-8 (24 X 12)(O)		DETOUR	M4-8 (24 X 12)(O)
Ⓐ NORTH	M3-4 (24X12)	WHITE ON BLUE	Ⓑ SOUTH	M3-4 (24X12)
INTERSTATE 57	M1-1 (24 X 24)		INTERSTATE 57	M1-1 (24 X 24)

FILE NAME = D570B38-sht-detour -157.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - BJE	REVISED -	
Default	PLOT SCALE = 600.0000 ' / in.	CHECKED - KRC	REVISED -	
	PLOT DATE = 5/9/2019 - 6:45:39 AM	DATE - 05/07/2019	REVISED -	

DETOUR PLAN
I-57

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	76
	• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



LEGEND

PROPOSED PROJECT

SIGN DETAIL

Ⓐ	DETOUR	M4-8 (24 X 12)(O)	Ⓑ	DETOUR	M4-8 (24 X 12)(O)
Ⓐ	NORTH	M3-4 (24X12)	Ⓑ	SOUTH	M3-4 (24X12)
	INTERSTATE 57	M1-1 (24 X 24)		INTERSTATE 57	M1-1 (24 X 24)

WHITE ON BLUE

N

NOT TO SCALE

FILE NAME = D570B38-sht-detour -157.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 600.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:39 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
I-57

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	77
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

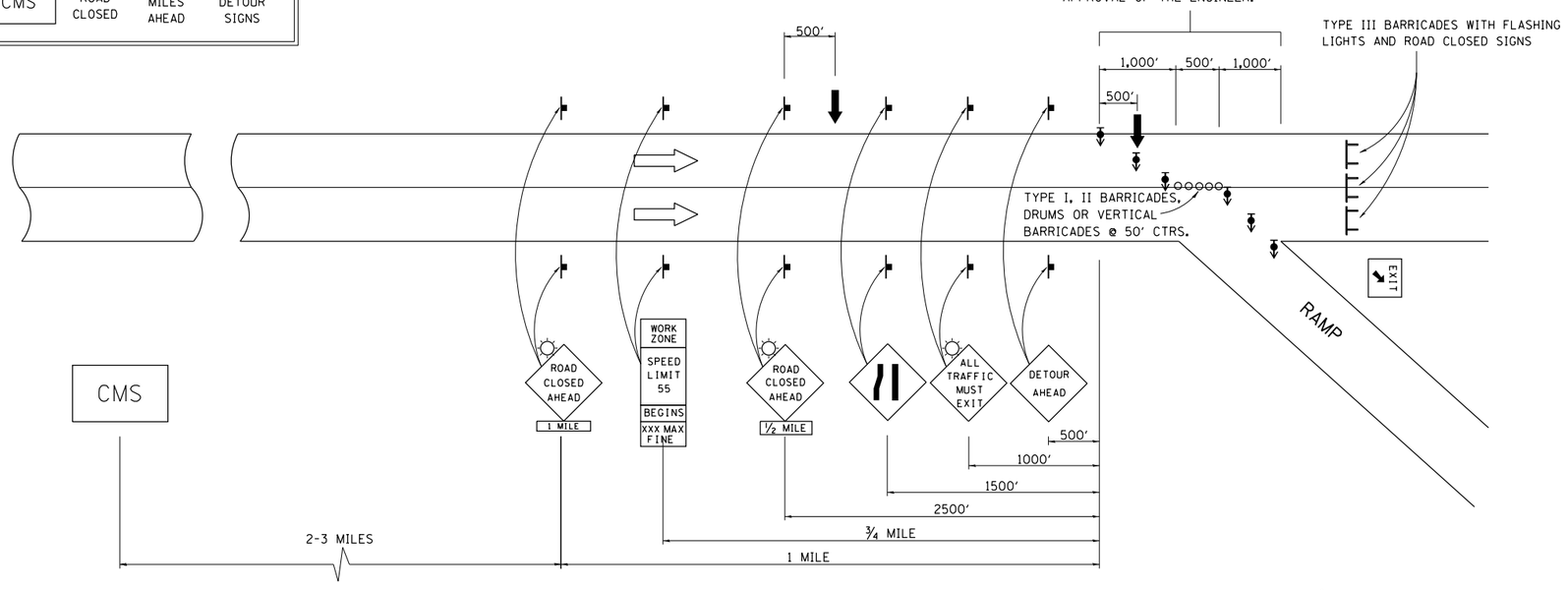
INTERSTATE DETOUR USING ENTRANCE AND EXIT RAMPS

A CHANGEABLE MESSAGE SIGN SHALL BE USED IN ADVANCE OF SIGNING TO WARN OF CLOSURE

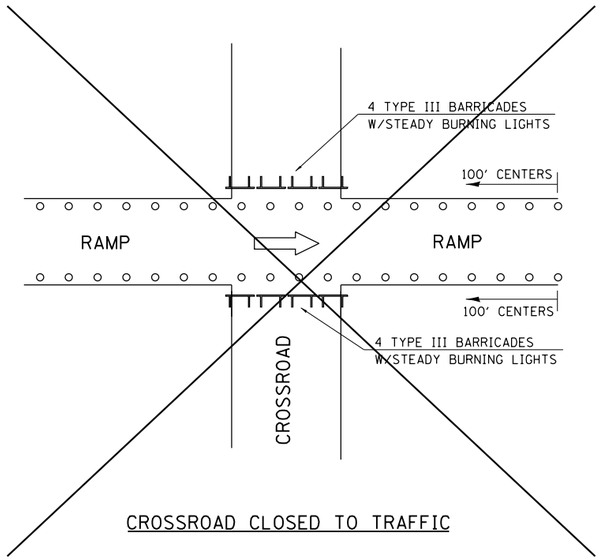
CMS	ROAD CLOSED	2-3 MILES AHEAD	FOLLOW DETOUR SIGNS

DIRECTIONAL BARRICADES WITH STEADY BURNING LIGHTS AT 50′ (15 m) CTS. IN TAPER. DRUMS WITH STEADY BURNING LIGHTS IN TANGENT (BETWEEN TAPERS) AT 100′ (30 m) CTS.

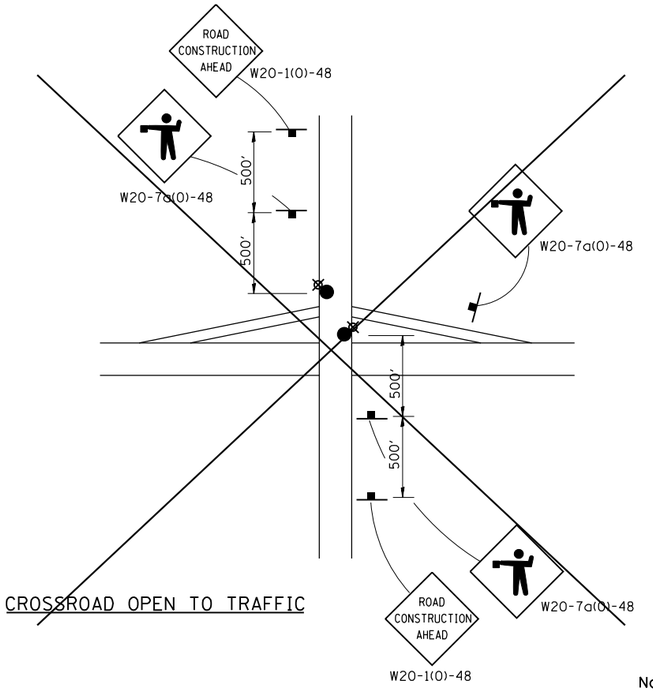
FOR OFF PEAK CLOSURES LESS THAN 24 HOURS, THE TANGENT SECTION MAY BE OMITTED BY APPROVAL OF THE ENGINEER.



SYMBOLS	
	ARROW BOARD
	SIGN
	DRUM W/STEADY BURNING LIGHT
	TYPE III BARRICADE
	DIRECTIONAL BARRICADE W/STEADY BURNING LIGHT
	LIGHTED FLAGGER STATIONS



CROSSROAD CLOSED TO TRAFFIC



CROSSROAD OPEN TO TRAFFIC

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. X7011005

FILE NAME =	USER NAME = bemery	DESIGNED -	REVISED - 12/06
D570B38-sht-detour-details.dgn		DRAWN -	REVISED - 1/10
	PLOT SCALE = 40.0000 ′ / in.	CHECKED -	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:40 AM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION FOR TEMPORARY DETOUR

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	78
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

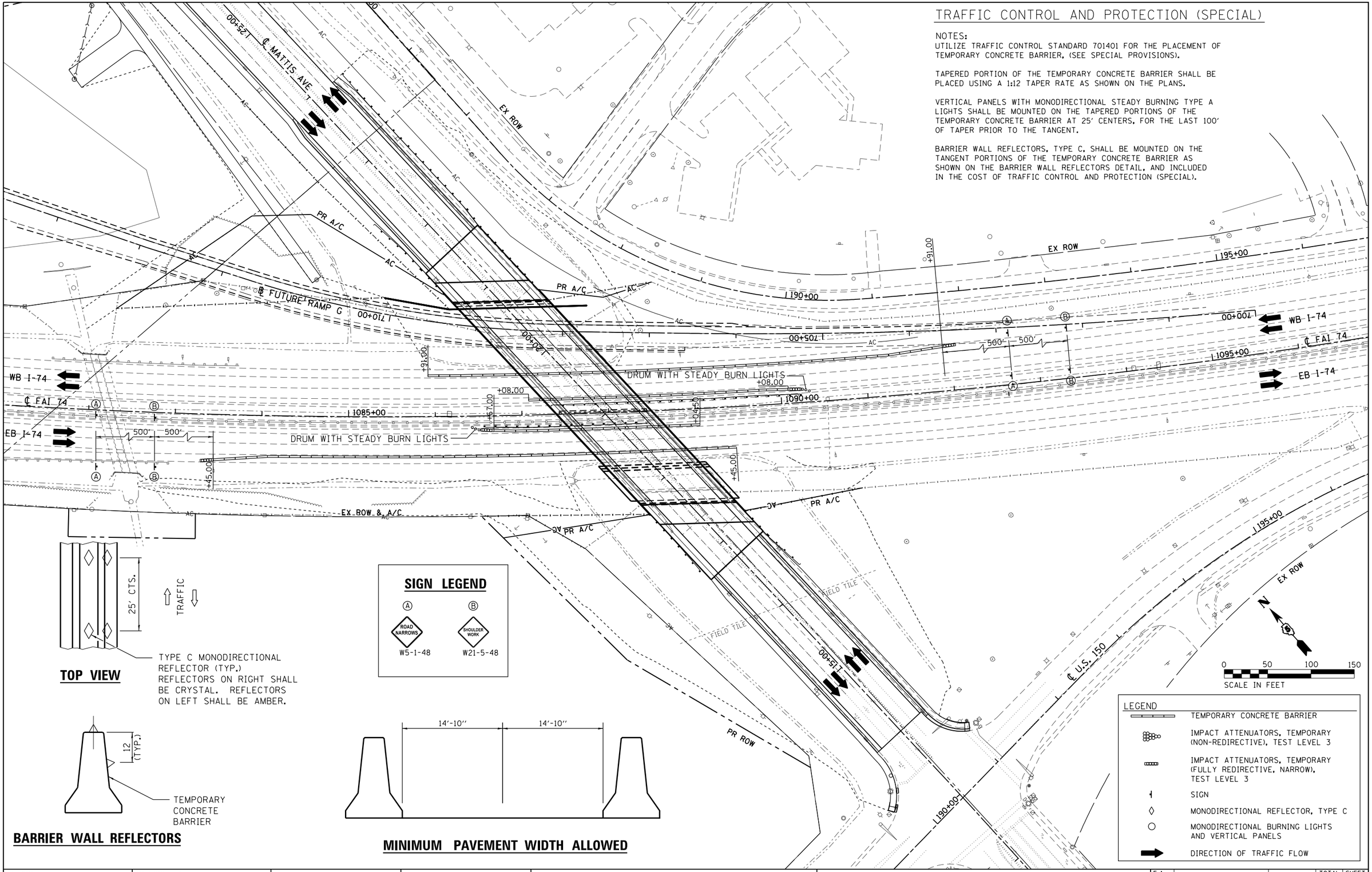
TRAFFIC CONTROL AND PROTECTION (SPECIAL)

NOTES:
UTILIZE TRAFFIC CONTROL STANDARD 701401 FOR THE PLACEMENT OF TEMPORARY CONCRETE BARRIER, (SEE SPECIAL PROVISIONS).

TAPERED PORTION OF THE TEMPORARY CONCRETE BARRIER SHALL BE PLACED USING A 1:12 TAPER RATE AS SHOWN ON THE PLANS.

VERTICAL PANELS WITH MONODIRECTIONAL STEADY BURNING TYPE A LIGHTS SHALL BE MOUNTED ON THE TAPERED PORTIONS OF THE TEMPORARY CONCRETE BARRIER AT 25' CENTERS, FOR THE LAST 100' OF TAPER PRIOR TO THE TANGENT.

BARRIER WALL REFLECTORS, TYPE C, SHALL BE MOUNTED ON THE TANGENT PORTIONS OF THE TEMPORARY CONCRETE BARRIER AS SHOWN ON THE BARRIER WALL REFLECTORS DETAIL, AND INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).



SIGN LEGEND

Ⓐ	Ⓑ
ROAD NARROWS	SHOULDER WORK
W5-1-48	W21-5-48

TYPE C MONODIRECTIONAL REFLECTOR (TYP.) REFLECTORS ON RIGHT SHALL BE CRYSTAL. REFLECTORS ON LEFT SHALL BE AMBER.

TOP VIEW

BARRIER WALL REFLECTORS

MINIMUM PAVEMENT WIDTH ALLOWED

LEGEND

- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- SIGN
- MONODIRECTIONAL REFLECTOR, TYPE C
- MONODIRECTIONAL BURNING LIGHTS AND VERTICAL PANELS
- DIRECTION OF TRAFFIC FLOW

FILE NAME = D570838-sht-MOT-Special.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
Default		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:54 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION (SPECIAL)
I-74 UNDER MATTIS AVE

SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	79
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL AND PROTECTION (SPECIAL)

NOTES:
UTILIZE TRAFFIC CONTROL STANDARD 701401 FOR THE PLACEMENT OF TEMPORARY CONCRETE BARRIER, (SEE SPECIAL PROVISIONS).

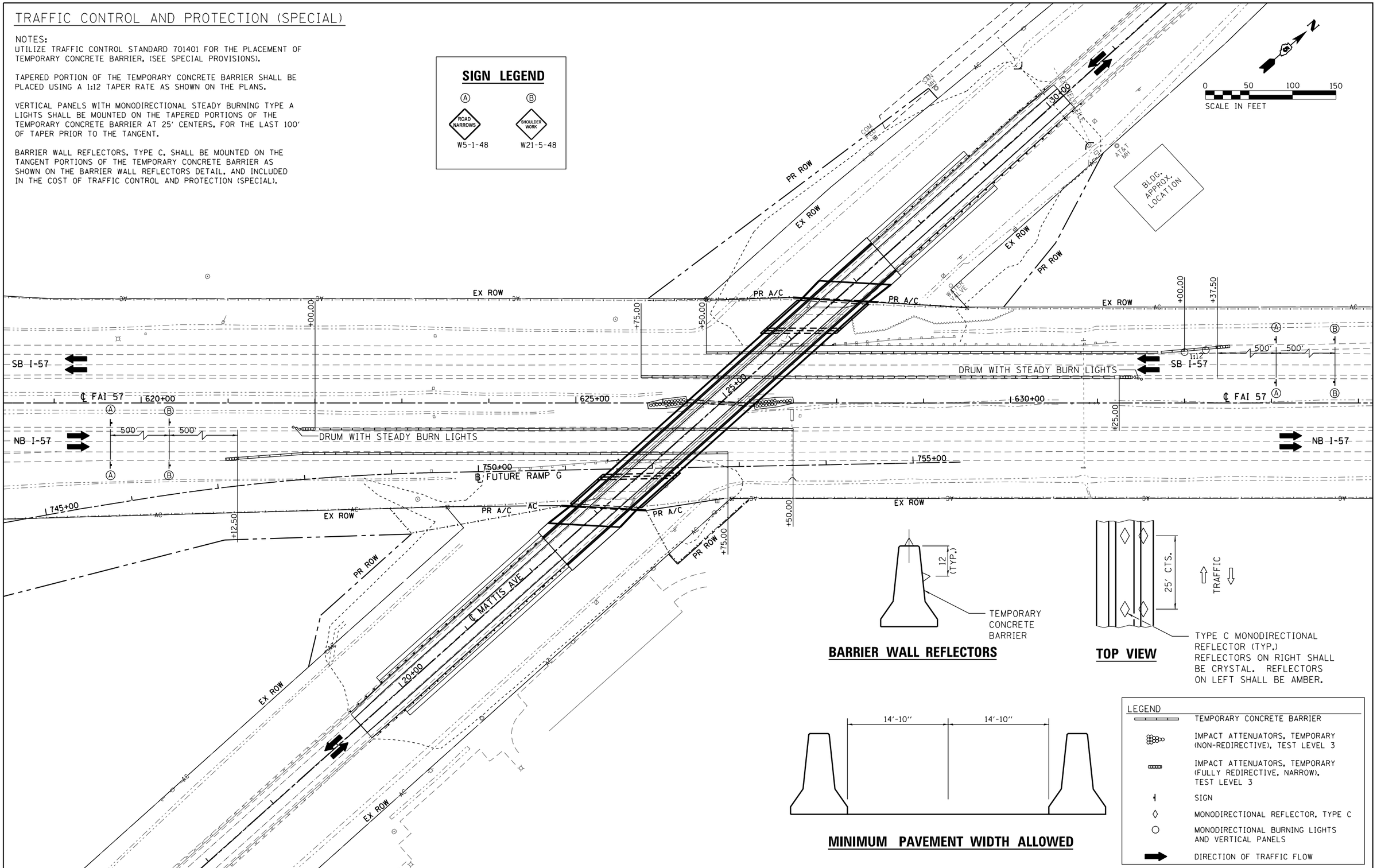
TAPERED PORTION OF THE TEMPORARY CONCRETE BARRIER SHALL BE PLACED USING A 1:12 TAPER RATE AS SHOWN ON THE PLANS.

VERTICAL PANELS WITH MONODIRECTIONAL STEADY BURNING TYPE A LIGHTS SHALL BE MOUNTED ON THE TAPERED PORTIONS OF THE TEMPORARY CONCRETE BARRIER AT 25' CENTERS, FOR THE LAST 100' OF TAPER PRIOR TO THE TANGENT.

BARRIER WALL REFLECTORS, TYPE C, SHALL BE MOUNTED ON THE TANGENT PORTIONS OF THE TEMPORARY CONCRETE BARRIER AS SHOWN ON THE BARRIER WALL REFLECTORS DETAIL, AND INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

SIGN LEGEND

A	B
ROAD NARROWS	SHOULDER WORK
W5-1-48	W21-5-48



BARRIER WALL REFLECTORS

TOP VIEW

TYPE C MONODIRECTIONAL REFLECTOR (TYP.)
REFLECTORS ON RIGHT SHALL BE CRYSTAL. REFLECTORS ON LEFT SHALL BE AMBER.

MINIMUM PAVEMENT WIDTH ALLOWED

LEGEND

- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- SIGN
- MONODIRECTIONAL REFLECTOR, TYPE C
- MONODIRECTIONAL BURNING LIGHTS AND VERTICAL PANELS
- DIRECTION OF TRAFFIC FLOW

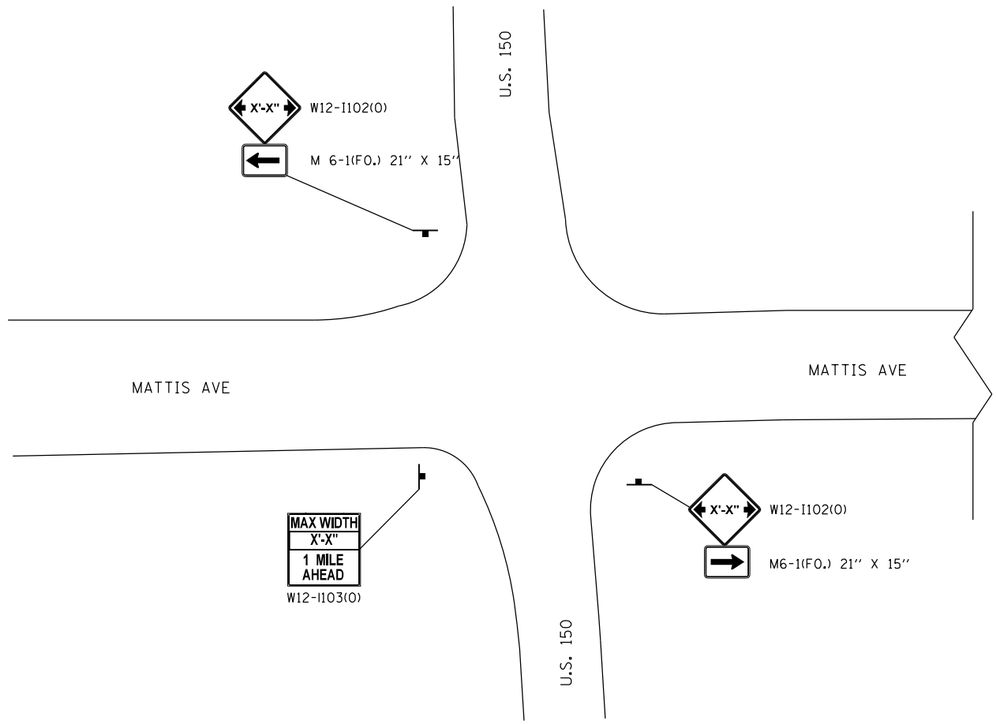
FILE NAME = D570B38-sht-MOT-Special.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:55 AM	DATE - 05/07/2019	REVISED -

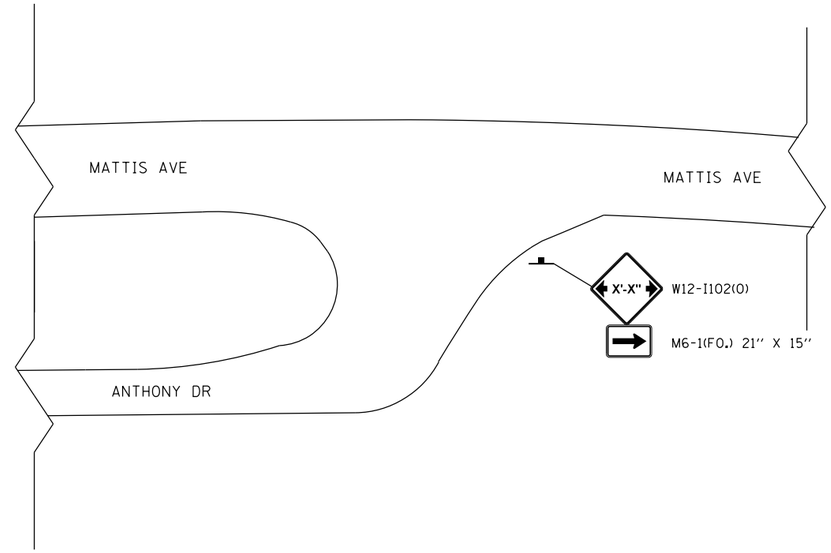
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

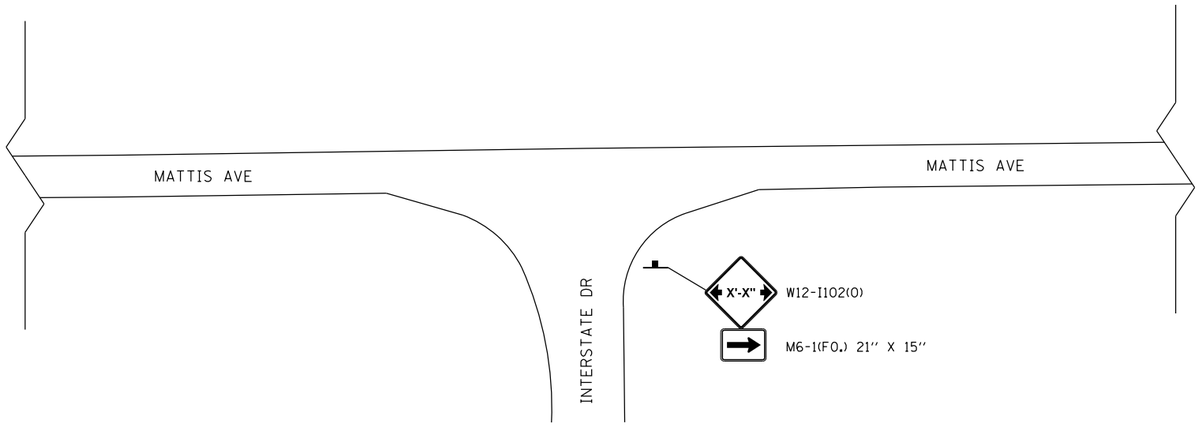
TRAFFIC CONTROL AND PROTECTION (SPECIAL)
I-57 UNDER MATTIS AVE

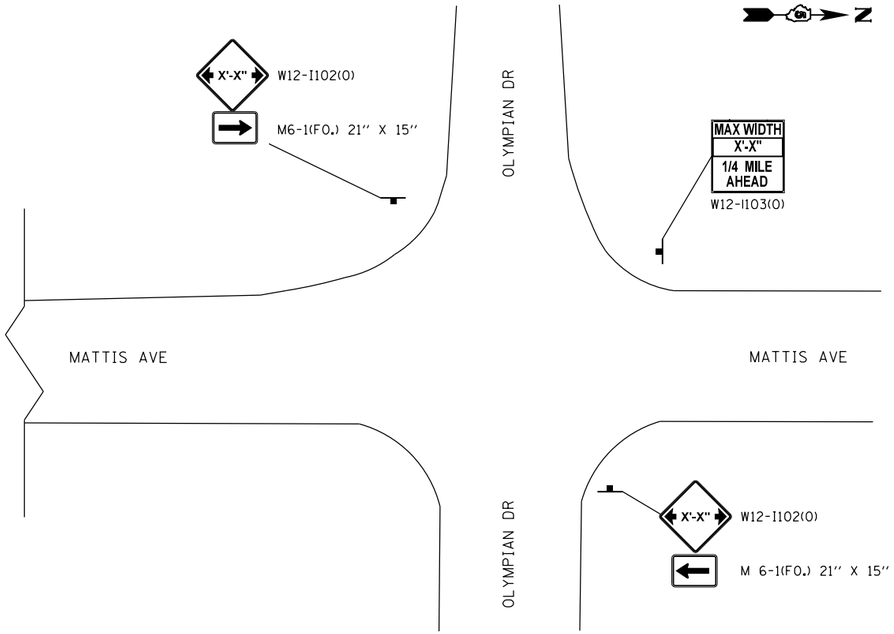
SCALE: 1" = 50' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	80
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			









NOTES

ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL MEET THE REQUIREMENTS SHOWN ON DISTRICT 5 WIDTH RESTRICTION SIGNING DETAIL NO. X7200201 AND SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.

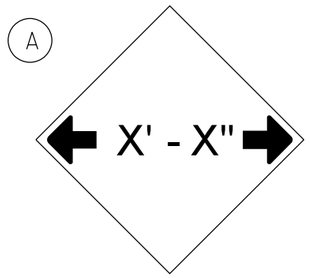
FILE NAME = D570B38-sht-MOT-details.dgn Default	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:45:56 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING DETAIL
MATTIS AVE OVER I-57

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	81
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

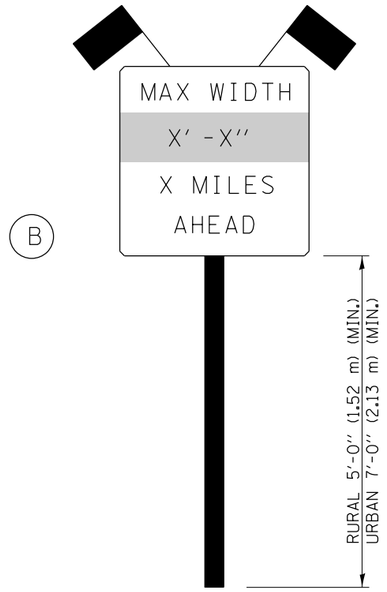


W12-I102(O)-48''x48''(1200x1200)

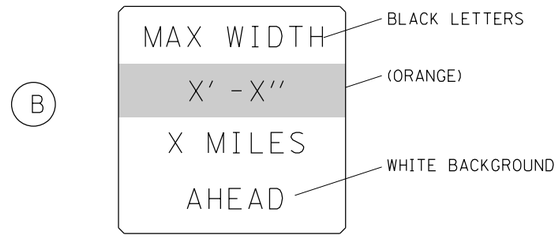
STAGE	X' - X''
1	10' - 0''
2	12' - 6''
3	12' - 6''

SIGN (A) 6 SIGNS - W12-2(O)-48''x48''(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



SIGN PANEL, TYPE II



W12-I103(O)-48''x48''(1200x1200)
''D'' LETTERS/NUMBERS

STAGE	X' - X''
1	10' - 0''
2	12' - 6''
3	12' - 6''

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. X7200201

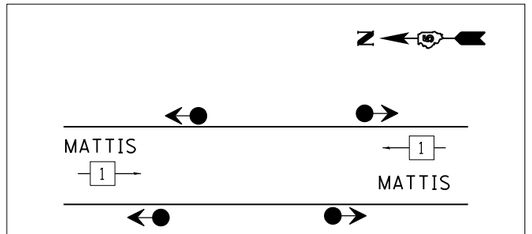
FILE NAME = D570B38-sht-MOT-details.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED - 03/11 -KJT
		DRAWN - BJE	REVISED - 05/08
	PLOT SCALE = 40.0000 '/ in.	CHECKED - KRC	REVISED - 10/08 - KJT
	PLOT DATE = 5/9/2019 - 6:45:56 AM	DATE - 05/07/2019	REVISED - 7/09 - KJT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING
MATTIS AVE OVER I-57

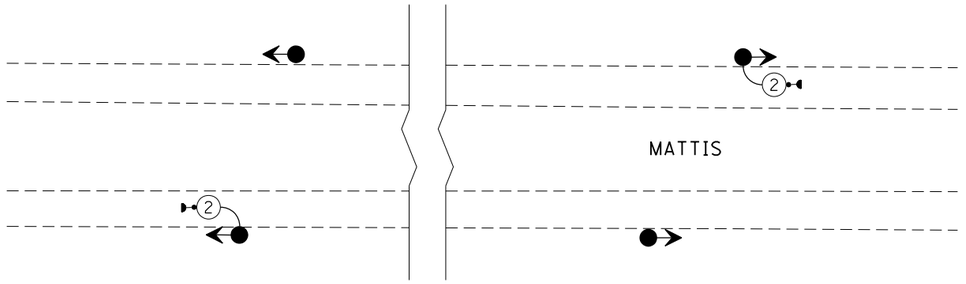
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	82
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TEMPORARY EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	1
MOVEMENT	⇄

EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY TRAFFIC SIGNAL INSTALLATION DIAGRAM FOR EMERGENCY VEHICLE PREEMPTION

SEE SPECIAL PROVISIONS
AND STAGING DETAIL SHEETS

LEGEND

- TEMPORARY BRIDGE TRAFFIC SIGNALS
- CONFIRMATION BEACON
- (2) DENOTES NUMBER OF CONDUCTORS

FILE NAME = D570838-sht-MOT-details.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:45:56 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PREEMPTION DETAILS
MATTIS OVER I-57

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	83
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		

STA 13+52.59 LT
INLETS, TYPE A, TYPE 3 F&G
PIPE DRAINS 12" = 36 FT
END SECTIONS 12" = 1 EA
CONC. THRUST BLOCKS, 1 EA
STONE RIPRAP, CLASS A3 = 4.7 SQ YD
BACK OF GRATE ELEV. = 769.37
OUTLET/END SECTION ELEV. = 760.97
END SECTION OFFSET = 80.00'

STA 16+78.50, NO SKEW
PIPE CULVERTS, CLASS A, 36" (JACKED)
239 L.F. @ 0.21%
PRC FLARED END SECTIONS, 2-EACH
USFL = 751.00, 117.72' RT
DSFL = 750.50, 121.28' LT

LEGEND
STONE RIPRAP CLASS A4
NOTE: SEE CROSS SECTIONS FOR PIPE DRAIN DETAILS

STORM SEWERS, CLASS A, TYPE 2 15"
145 L.F. @ 3.7%

STA 23+53.00
PIPE CULVERTS, CLASS A, TYPE 1 36"
13 L.F. @ 0.50%
PRC FLARED END SECTIONS, 2 EACH
USFL = 749.80, 118.47' RT
DSFL = 749.73, 131.46' LT

GRADING AND SHAPING DITCHES (CLEAN DITCH AND PROVIDE POSITIVE DRAINAGE)

STA 23+50.00, NO SKEW
PIPE CULVERTS, CLASS A, 24" (JACKED)
179 L.F. @ 0.50%
PRC FLARED END SECTIONS, 1 EACH
USFL = 750.80, 84.34' RT
DSFL = 749.90, 94.65' LT

STA 23+50.00, 86.34' RT
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE
RIM ELEV. = 754.38, INV. ELEV. = 750.80

STA 16+71.50, NO SKEW
PIPE CULVERTS, CLASS A, 36" (JACKED)
239 L.F. @ 0.21%
PRC FLARED END SECTIONS, 2-EACH
USFL = 751.00, 117.72' RT
DSFL = 750.50, 121.28' LT

0 50 100 150
SCALE IN FEET

PLAN
SURVEYED
PLOTTED
QUANTITIES CHECKED
R/W, OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
QUANTITIES CHECKED
BAR. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

VPI STA. 18+75.00
ELEVATION 786.78
+3.50%
-3.63%
100.00' V.C.
PR PGL
EX GROUND
K = 62
440.00' V.C.
+00.00 EL. 770.56
+00.00 EL. 773.67
+2.12%
+3.50%
+25.00 EL. 760.00 RT
VPI STA. 14+50.00
ELEVATION 771.92
+00.00 EL. 760.25 LT
-3.58%(RT)
-3.56%(LT)
+75.00 EL. 751.03 RT
2-PIPE CULVERTS, CLASS A, 36" (JACKED)
FUTURE I-74 TO BE CONSTRUCTED
+75.00 EL. 779.09
+85.00 EL. 779.79
+94.00 EL. 767.93
+75.00 EL. 750.47 LT
-1.01%(LT)
+03.59 EL. 748.90 LT
+0.54%(RT)
+00.00 EL. 752.50 RT
+51.26 EL. 752.17 RT
+00.00 EL. 758.02 RT
+2.76%(RT)
EX DITCH (RT)
+25.14 EL. 757.31
+43.85 EL. 756.36
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE
PIPE CULVERTS, CLASS A, 24" (JACKED)
PIPE CULVERTS, CLASS A, TYPE 1 36" (UNDER SERVICE ROAD)
+50.00 EL. 750.99 LT
-1.30%(LT)
+00.00 EL. 750.34 LT
-0.96%(LT)
+0.68%(LT)
+50.00 EL. 749.86 LT
+0.82%(LT)
+00.00 EL. 750.20 LT
+0.82%(LT)
+1.21%(LT)
+00.00 EL. 751.85 LT
+50.00 EL. 753.06 LT

DITCH LEGEND
SP DITCH LT
SP DITCH RT
EX DITCH RT

785 780 775 770 765 760 755 750 745

766.53 768.12 768.73 769.18 770.56 **770.56** 771.93 **772.02** 773.20 **773.67** 774.18 **775.42** 775.15 **777.17** 776.12 **778.91** 777.08 **780.50** 777.84 **781.68** 764.56 **782.46** 756.67 **782.83** 755.07 **782.79** 756.29 **782.36** 762.75 **781.51** 777.42 **780.26** 776.34 **778.61** 775.02 **776.79** 773.70 **774.98** 772.38 **773.16** 771.05 **771.34** 769.39 **769.52** 767.73 766.11 764.85 763.59 762.33 761.06 760.51

12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00

FILE NAME = D570B38-sht-drain.dgn	USER NAME = bemery	DESIGNED - MKK	REVISED -
Default		DRAWN - MKK	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
	PLOT DATE = 5/9/2019 - 6:46:09 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
MATTIS OVER I-74

SCALE: 1" = 50' | SHEET OF SHEETS | STA. 12+00.00 TO STA. 27+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	84
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

STA 22+78.67, 45°00'00" RT AH
PIPE CULVERTS, CLASS A 48" (JACKED)
234 L.F. @ 0.30%
PRC FLARED END SECTIONS, 2-EACH
USFL = 764.16, STA. 23+51.16, 72.56' RT
DSFL = 763.46, STA. 21+85.76, 93.01' LT

STA 22+91.16, 45°00'00" RT AH
PIPE CULVERTS, CLASS A 48" (JACKED)
234 L.F. @ 0.30%
PRC FLARED END SECTIONS, 2-EACH
USFL = 764.16, STA. 23+57.41, 66.31' RT
DSFL = 763.46, STA. 21+92.01, 99.25' LT

STA 29+92.50, NO SKEW
PIPE CULVERTS, CLASS A 36" (JACKED)
112 L.F. @ 0.15%
W/END SECTIONS, 2-EACH (STD 542301)
USFL = 768.22, STA. 29+92.50, 55.18' LT
DSFL = 768.07, STA. 29+92.50, 56.90' RT

0 50 100 150
SCALE IN FEET

PR EARTH DITCH BERM
STD 202001

PR EARTH DITCH BERM
STD 202001

BLDG. APPROX. LOCATION

LEGEND
STONE RIPRAP CLASS A4

NOTE: SEE CROSS SECTIONS FOR PIPE DRAIN DETAILS

DITCH LEGEND
SP DITCH LT
SP DITCH RT

VPI STA. 25+32.50
ELEVATION 798.55

PR PGL

+2.33%

-2.50%

+35.00 EL. 784.64

EX GROUND

EL. 795.05

+82.50

K = 62
300.00' V.C.

+82.50 EL. 794.80

100.00' V.C.

+20.00 EL. 788.87

+20.00 EL. 786.61

-2.50%

-2.03%

VPI STA. 29+70.00
ELEVATION 787.62

FUTURE I-57 TO BE CONSTRUCTED

+55.00 EL. 762.86 LT

+80.00 EL. 764.50 RT

+0.80%(LT)

+55.00 EL. 764.34 LT

+0.95%(RT)

+10.00 EL. 767.61 RT

LT. DOWNSTREAM

2-PIPE CULVERTS, CLASS A 48" (JACKED) (SKEWED)

+50.00 EL. 767.70 LT

+0.92%(LT)

+40.92 EL. 768.60 LT

+0.72%(LT)

+00.00 EL. 770.20 RT

-0.87 (RT)

-0.60%(LT)

+00.00 EL. 769.75 LT

PIPE CULVERTS, CLASS A 36" (JACKED)

+50.00 EL. 768.85 LT

-1.41%(LT)

+92.50 EL. 768.25 LT

-1.66%(RT)

+92.50 EL. 768.05 RT

+00.00 EL. 767.46 RT

778.00	779.60	780.98	782.34	783.70	784.95	**784.99**	785.97	**786.15**	787.00	**787.31**	788.03	**788.48**	788.72	**789.64**	789.27	**790.81**	789.82	**791.97**	790.38	**793.13**	780.42	**794.30**	770.39	**795.44**	770.43	**796.26**	769.61	**796.68**	771.09	**796.70**	771.12	**796.31**	788.20	**795.53**	790.86	**794.36**	790.54	**793.12**	790.21	**791.87**	789.50	**790.62**	788.74	**789.37**	787.97	**788.14**	787.02	**787.03**	786.00	784.99	783.86	782.66
17+00		18+00		19+00		20+00		21+00		22+00		23+00		24+00		25+00		26+00		27+00		28+00		29+00		30+00		31+00		32+00																						

FILE NAME = D570B38-sht-drain.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN MATTIS OVER I-57
Default		DRAWN - CWW	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -		SCALE: 1" = 50' SHEET OF SHEETS STA. 17+00.00 TO STA. 32+00.00
	PLOT DATE = 5/9/2019 - 6:46:09 AM	DATE - 05/07/2019	REVISED -		

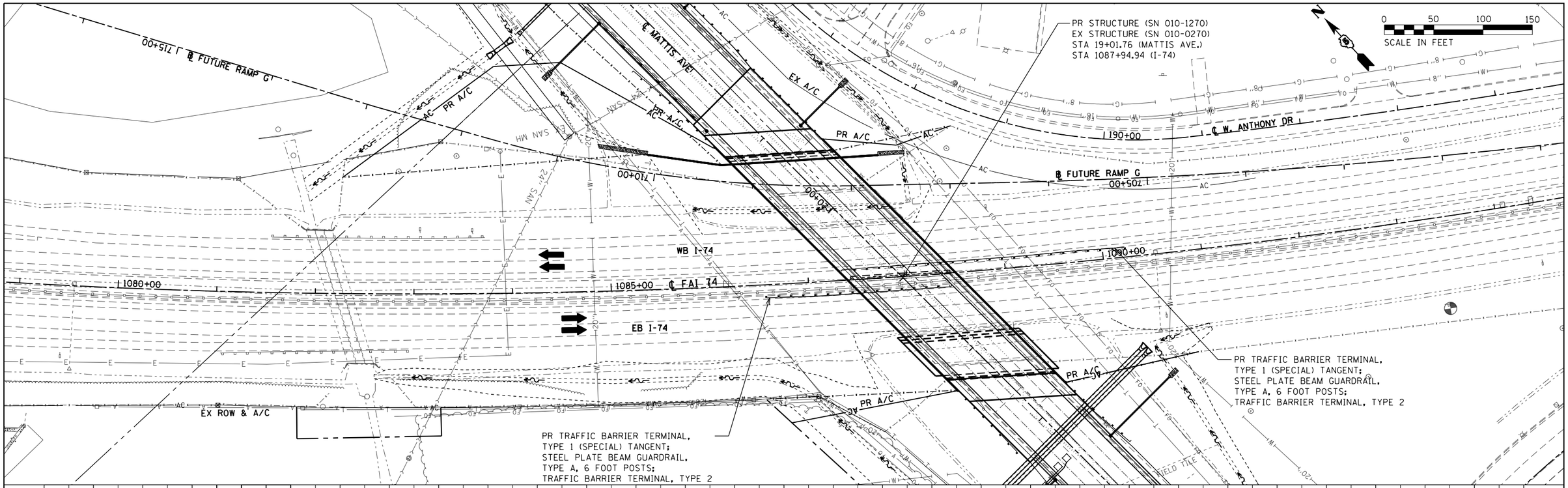
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	85
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

PLAN

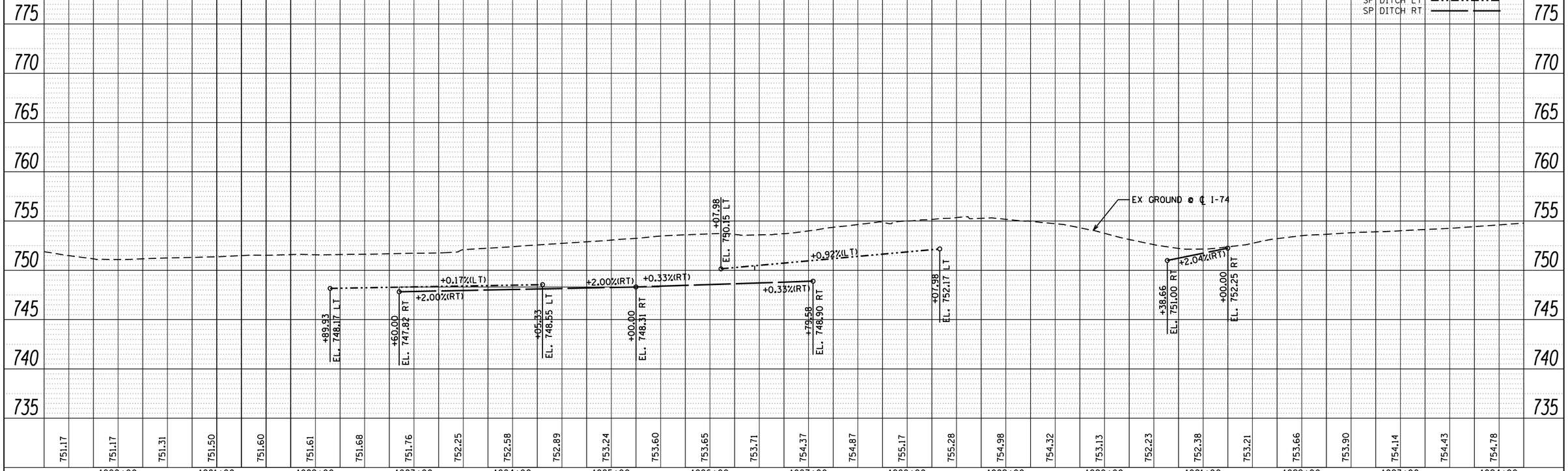
SURVEYED		BY
PLOTTED		DATE
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK		
NO.		

PROFILE

SURVEYED		BY
PLOTTED		DATE
GRADES CHECKED		
ELM. NOTED		
NOTE BOOK	STRUCTURE NOTATNS CHKD	
NO.		



DITCH LEGEND
SP DITCH LT
SP DITCH RT

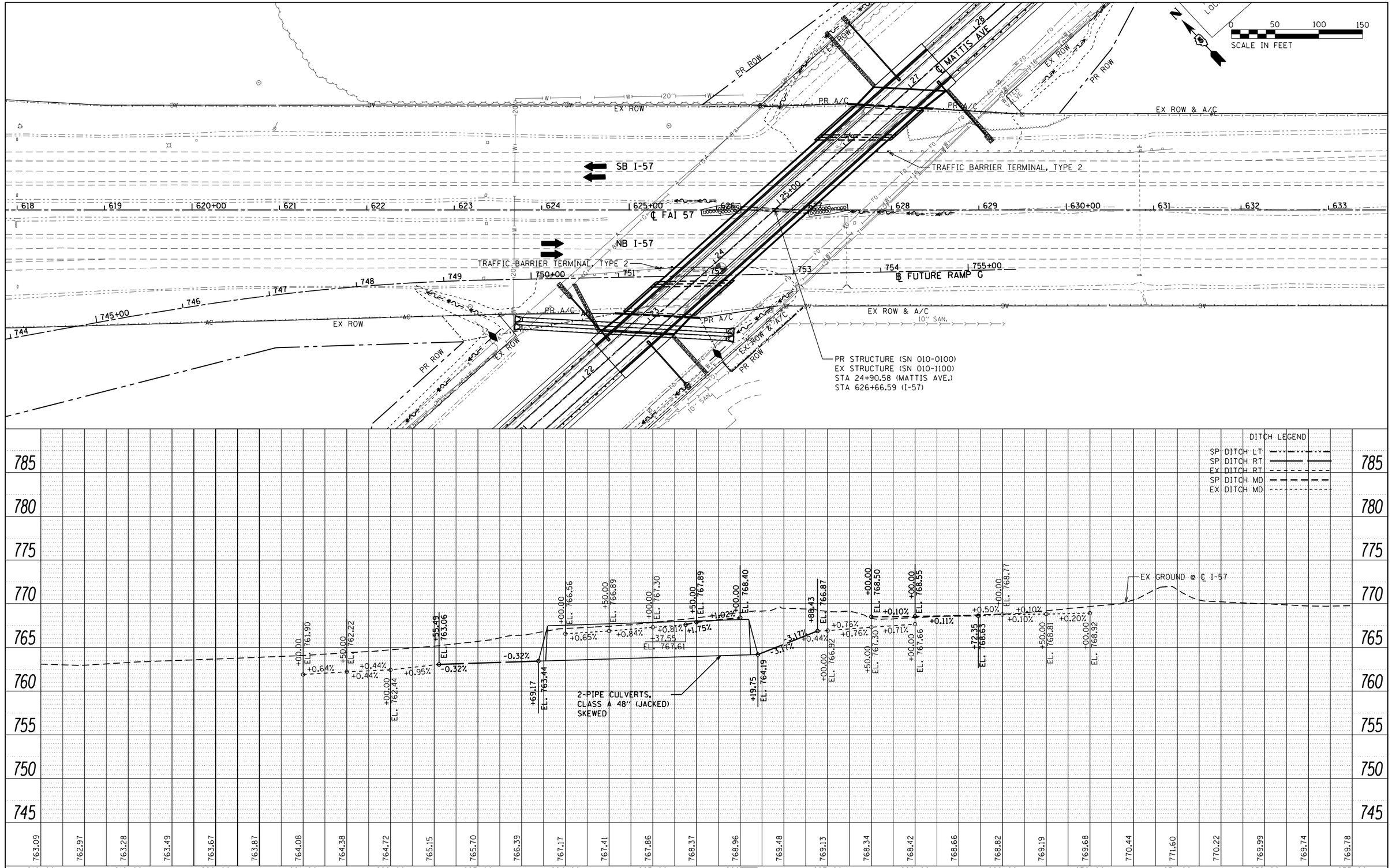


FILE NAME = D570B38-sht-plnprf-I74.dgn Default	USER NAME = bemery	DESIGNED - CWW	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DRAINAGE PLAN I-74 UNDER MATTIS AVE.**
		DRAWN - CWW	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -		
	PLOT DATE = 5/9/2019 - 6:46:23 AM	DATE - 05/07/2019	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. 1079+00.00 TO STA. 1094+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	86
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS FED. AID PROJECT		

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

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



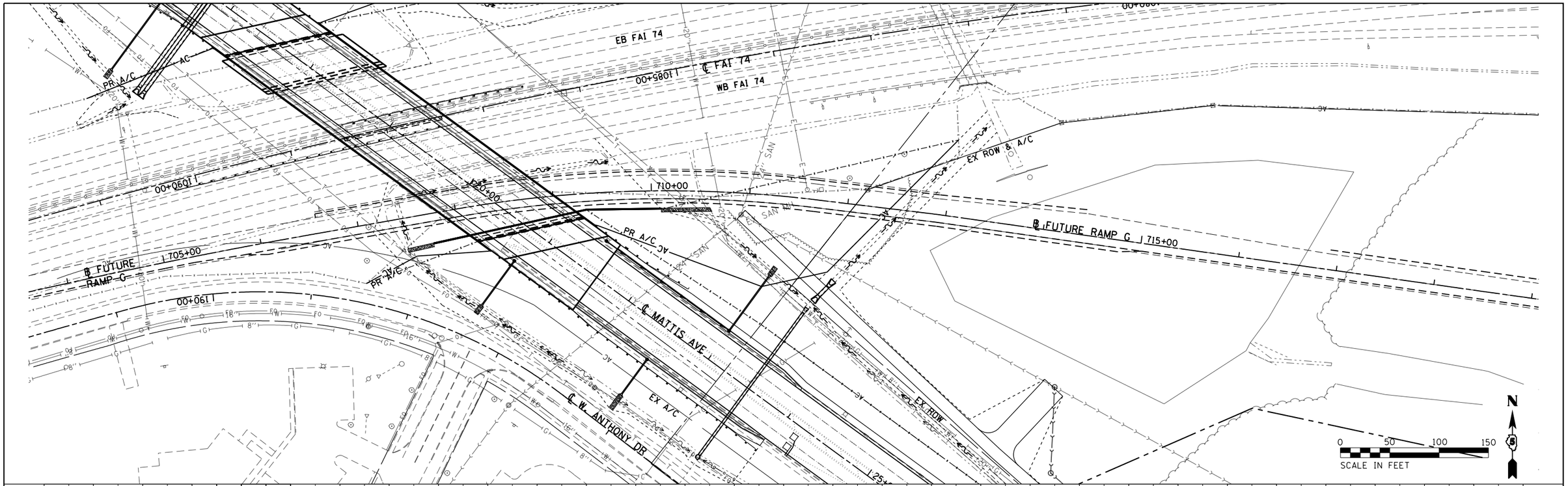
FILE NAME = D570B38-sht-plnprf-157.dgn Default	USER NAME = bemery	DESIGNED - MKK	REVISED -
		DRAWN - MKK	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
	PLOT DATE = 5/9/2019 - 6:46:36 AM	DATE - 05/07/2019	REVISED -

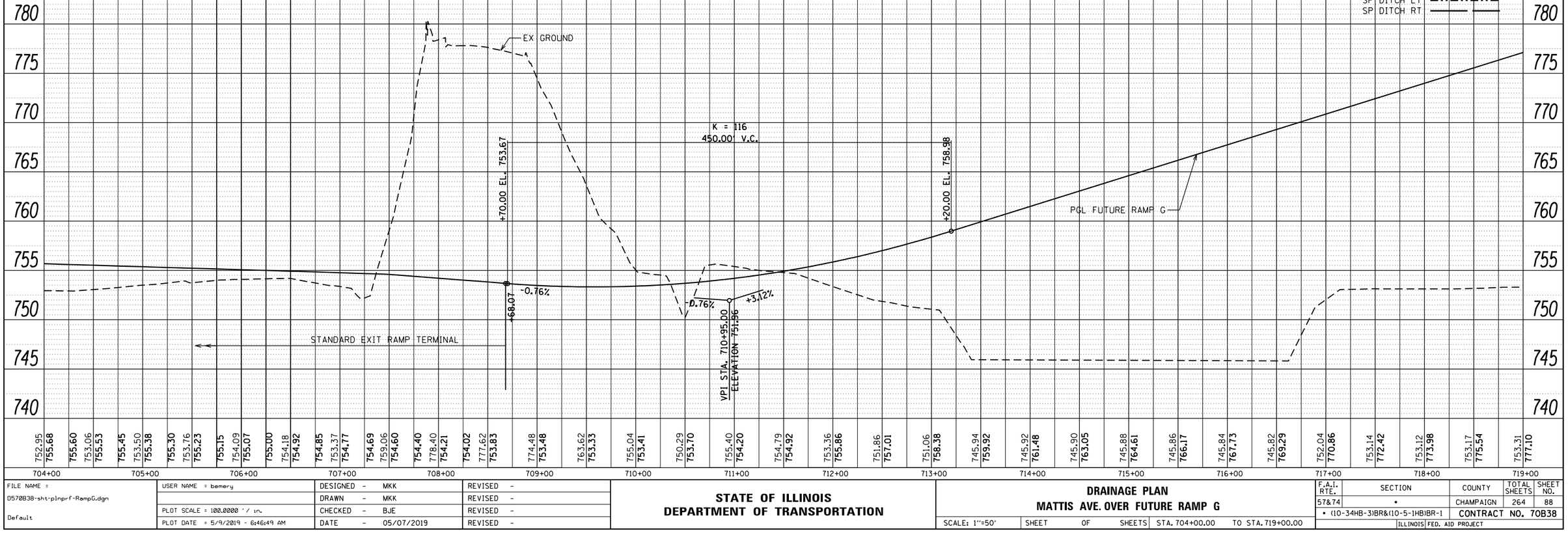
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
I-57 UNDER MATTIS AVE

SCALE: 1"=50' | SHEET OF SHEETS | STA. 1079+00.00 TO STA. 1094+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	87
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
ILLINOIS FED. AID PROJECT				





PLAN

BY	DATE

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

NOTE BOOK
NO.

PROFILE

BY	DATE

SURVEYED
PLOTTED
PROFILE CHECKED
S.M. NOTED
STRUCTURE NOTATIONS CHKD

NOTE BOOK
NO.

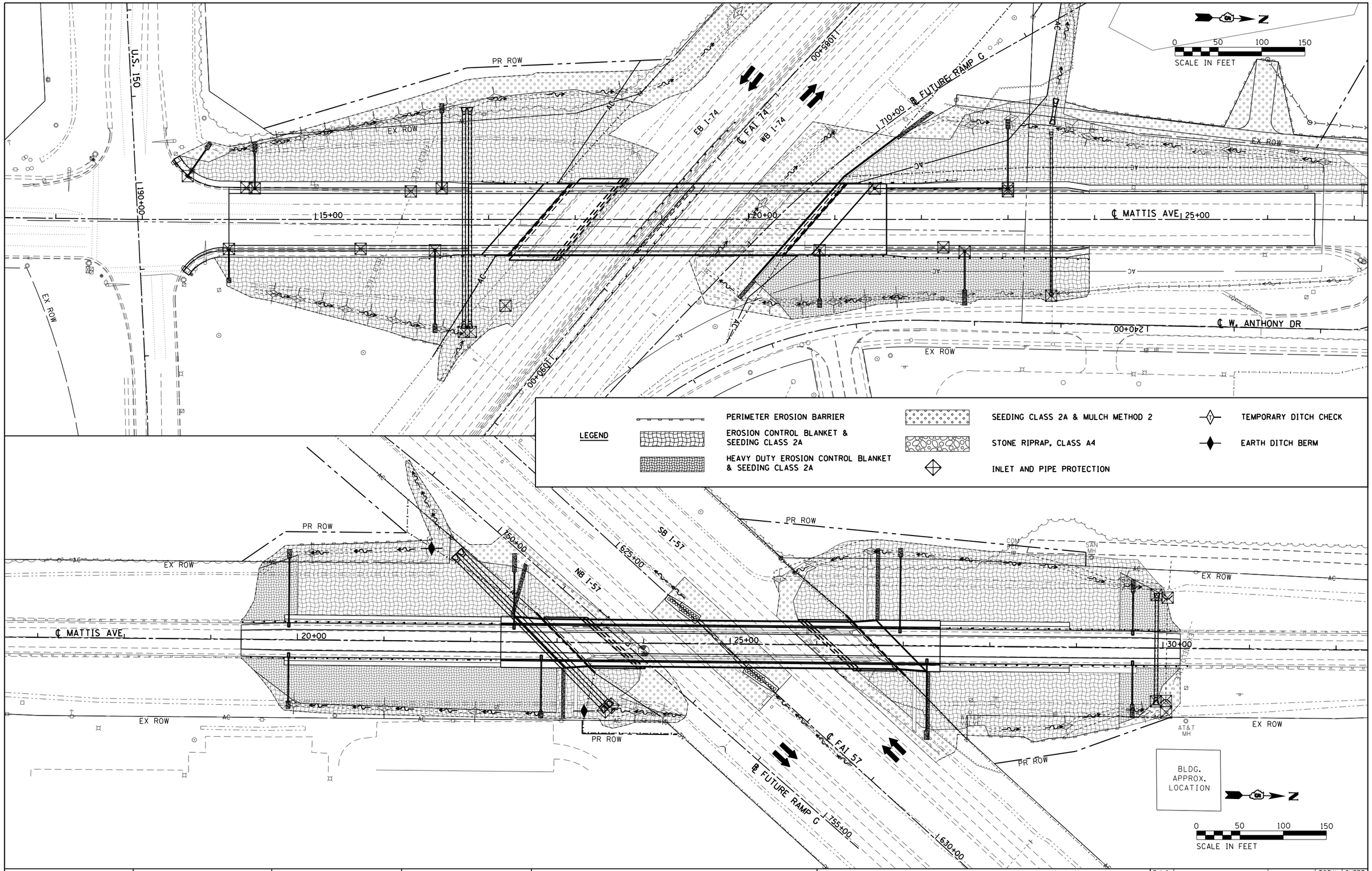
FILE NAME = D570B38-sht-plnprf-RampG.dgn Default	USER NAME = bemery	DESIGNED - MKK	REVISED -
		DRAWN - MKK	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
	PLOT DATE = 5/9/2019 - 6:46:49 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
MATTIS AVE. OVER FUTURE RAMP G

SCALE: 1"=50' | SHEET OF SHEETS | STA. 704+00.00 TO STA. 719+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	88
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
ILLINOIS FED. AID PROJECT				



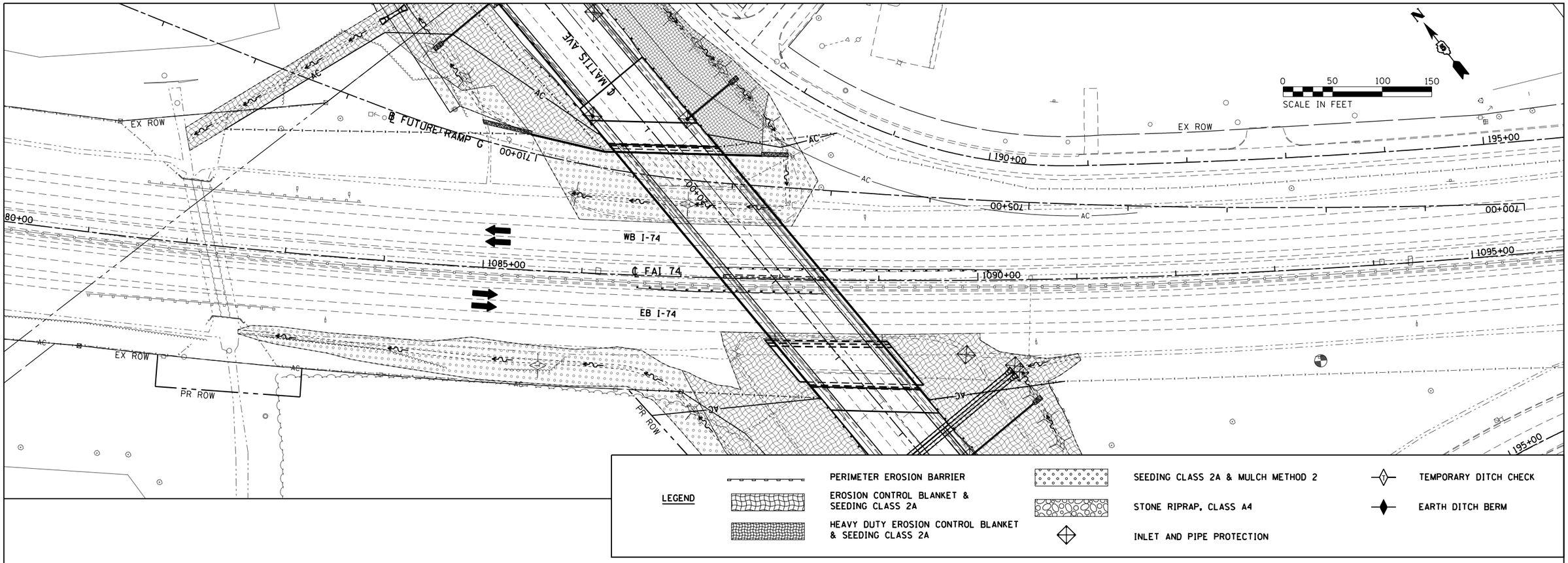
FILE NAME = D570B38-sht-eros.dgn	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:47:03 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 50' | SHEET OF SHEETS | STA. 12+00.00 R1 TO STA. 32+00.00 R2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	89
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			



FILE NAME = D570B38-sht-eros.dgn Default	USER NAME = bemery	DESIGNED - CWW	REVISED -
		DRAWN - CWW	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - BJE	REVISED -
	PLOT DATE = 5/9/2019 - 6:47:06 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 50' | SHEET OF SHEETS | STA. 12+00.00 R1 TO STA. 32+00.00 R2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	90
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

CABLE/CONDUIT SCHEDULE

(A) UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

(B) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.10, 1/C NO.10 GROUND IN 2" DIA., PVC CONDUIT EMBEDDED IN STRUCTURE

LIGHTING LEGEND

- PROPOSED GROUND MOUNTED LIGHTING UNIT BLACK ANODIZED ALUMINUM, 40 FT. M.H., 15 FT. M.A., BLACK LUMINAIRE, LED, 240V, WITH 15" B.C. ON 8-5/8" X 6' FOUNDATION
- PROPOSED STRUCTURE MOUNTED LIGHTING UNIT BLACK ANODIZED ALUMINUM, 40 FT. M.H., 15 FT. M.A., BLACK LUMINAIRE, LED, 240V, WITH 15" B.C.
- PROPOSED ELECTRIC SERVICE INSTALLATION, 60 AMP, 120/240 VOLT, SINGLE PHASE, 3 WIRE
- PROPOSED LIGHTING CONTROLLER, PEDESTAL MOUNTED, 60 AMP, 120/240 VOLT, SINGLE PHASE, 3 WIRE, WITH BLACK POWDER COAT
- CABLE AND CONDUIT, TYPE AND SIZE AS INDICATED ON PLAN
- UNDERGROUND CONDUIT CASING, CNC, 2" DIA.
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, SIZE AS INDICATED ON PLAN
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING ELECTRIC SERVICE TO REMAIN
- EXISTING LIGHTING CONTROLLER TO REMAIN
- EXISTING LIGHTING UNIT AND FOUNDATION TO BE REMOVED
- EXISTING ABANDONED LIGHTING UNIT FOUNDATION TO BE REMOVED
- EXISTING ELECTRIC SERVICE TO BE REMOVED
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- EXISTING ELECTRIC CABLE TO BE REMOVED
- PROPOSED TEMPORARY LIGHTING UNIT 50 FT. CLASS 3 WOOD POLE, 40 FT. M.H., 15 FT. M.A., LUMINAIRE, LED, 240V
- PROPOSED AERIAL CABLE, 2-1C NO.6 WITH MESSENGER WIRE

LIGHTING SUMMARY OF QUANTITIES

BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	470
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	2,540
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	8
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	4,300
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3,975
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	21
83600356	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 6'	EACH	16
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	11
84200804	REMOVAL OF POLE FOUNDATION	EACH	12
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8,460
X8110458	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	40
X8300001	LIGHT POLE, SPECIAL	EACH	21
X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1
X8380097	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN AND BLACK ANODIZED ALUMINUM SKIRT	EACH	64
X8250033	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP, WITH BLACK POWDER COAT FINISH	EACH	2

GENERAL NOTES:

1. THE CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM OVERHEAD UTILITY LINES. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL CODE AND/OR REQUIREMENTS OF THE UTILITY COMPANIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS BETWEEN PROPOSED LIGHT POLE LOCATIONS AND UTILITY LINES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE APPLICABLE UNDERGROUND CONDUIT OR UNIT DUCT PAY ITEM.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EXISTING, TEMPORARY, AND PROPOSED LIGHTING SYSTEM UNTIL IDOT HAS TAKEN ACCEPTANCE OF THE FINAL SYSTEM. ALL EXISTING CIRCUITS AND CABLES TO THE LIGHT POLES SHALL BE MAINTAINED AS NEEDED. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
4. BREAKAWAY COUPLINGS ARE NOT ALLOWED ON BRIDGE PARAPETS, BARRIER WALLS, OR PEDESTRIAN CONFLICT AREAS, AND ARE NOT REQUIRED BEHIND GUARDRAIL.

HIGHWAY STANDARDS

812001	RACEWAY EMBEDDED IN STRUCTURE
821101-02	LUMINAIRE WIRING IN POLE
825011-04	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
830001-03	LIGHT POLE ALUMINUM MAST ARM
830026-01	TEMPORARY ROADWAY LIGHTING
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES

INDEX OF SHEETS

L-1 GENERAL NOTES, INDEX OF SHEETS, AND SUMMARY OF QUANTITIES
L-2 TEMPORARY LIGHTING AND REMOVAL PLAN
L-3 LIGHTING PLAN
L-4 LIGHTING PLAN
L-5 ELECTRICAL DETAILS

MODEL: $MODELNAME$
FILE NAME: pw:\\ahanroom.dist.illinois.edu:PWIDOT1Documents:IDOT Offices\District 5\Projects\D5 70838\Consultant Data\BFW\Final Plan Submittal 06_2019\CVL Lighting Plans\10-17-19 Submittal\CADD\Sheets\D5 70838 legend-1.dgn

USER NAME = cearlockjd	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = NTS	CHECKED -	REVISED -	
PLOT DATE = 10/22/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS, AND SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	91
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. EXISTING LIGHT POLE SHALL BE USED WITH TEMPORARY LIGHTING AND SHALL BE REMOVED UPON ACTIVATION OF THE NEW NORTHBOUND LIGHT POLES.

2. PRE-STAGE A: NORTHBOUND TEMPORARY LIGHT POLES SHALL BE INSTALLED DURING PRE-STAGE A PRIOR TO REMOVAL OF THE EXISTING SOUTHBOUND LIGHT POLES AND SHALL BE SET 5'-0" BEHIND EXISTING SIDEWALK. THE EXISTING NORTHBOUND LIGHT POLES SHALL BE REMOVED UPON ACTIVATION OF THE NORTHBOUND TEMPORARY LIGHT POLES, UNLESS NOTED OTHERWISE.

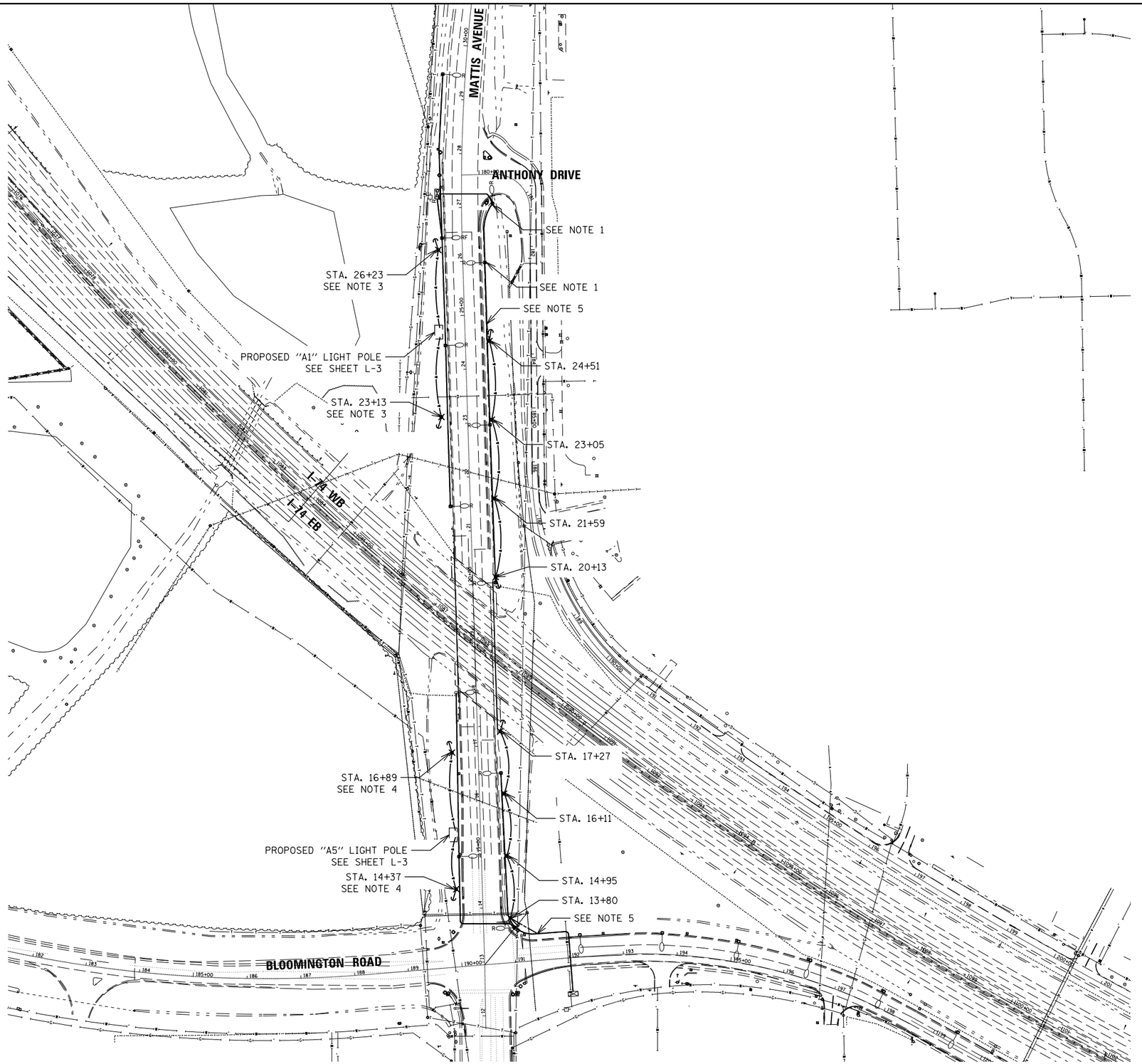
   STAGE 1: UPON ACTIVATION OF THE NEW SOUTHBOUND LIGHT POLES, THE NORTHBOUND TEMPORARY LIGHT POLES SHALL BE RELOCATED TO THE SOUTHBOUND SIDE, AS SHOWN ON THE PLAN, TO BE USED WITH THE NEW SOUTHBOUND LIGHT POLES AND SHALL BE SET 5'-0" BEHIND PROPOSED SIDEWALK. THE REMAINING NORTHBOUND TEMPORARY LIGHT POLES SHALL BE REMOVED. THE RELOCATED TEMPORARY LIGHT POLES SHALL BE USED WITH THE NEW SOUTHBOUND LIGHT POLES UNTIL THE NEW NORTHBOUND LIGHT POLES ARE INSTALLED AND ACTIVATED DURING STAGE 2.

3. CONNECT TEMPORARY LIGHT POLE TO PROPOSED LIGHT POLE 'A1' VIA AERIAL CABLE.

4. CONNECT TEMPORARY LIGHT POLE TO PROPOSED LIGHT POLE 'A5' VIA AERIAL CABLE.

5. INTERCEPT EXISTING UNDERGROUND CONDUIT WITH NEW 2" DIA. CNC CONDUIT. INSTALL NEW 2-1C NO.6, 1/C NO.6 GROUND IN CONDUIT. THE CONTRACTOR SHALL FURNISH AND INSTALL AN APPROPRIATELY SIZED CABLE GUARD TO THE TEMPORARY LIGHT POLE TO SPLICE AERIAL CONDUCTORS TO UNDERGROUND CONDUCTORS. THE CONTRACTOR SHALL SECURE THE CABLE GUARD TO THE TEMPORARY LIGHT POLE WITH APPROPRIATELY SIZED STRAPS.

6. ELECTRIC CABLES IN EXISTING CONDUIT SHALL BE REMOVED AND PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT."



L-2

MODEL: $MODELNAME$
FILE NAME: pw:\ullanroom.dot.illinois.gov:PWIDOT1Documents\IDOT Offices\District 5\Projects\D570838\ConsultantData\BFW\Final Plan Submittal 06_2019\CVL\lighting Plans\10-17-19_SubmittalCADDSheets\D570838-cenlight-1.dgn

USER NAME = cearlockjd	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/17/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MATTIS AVENUE OVER I-74
LIGHTING REMOVAL PLAN

SCALE: 1" = 100' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	92
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS	FED. AID PROJECT	

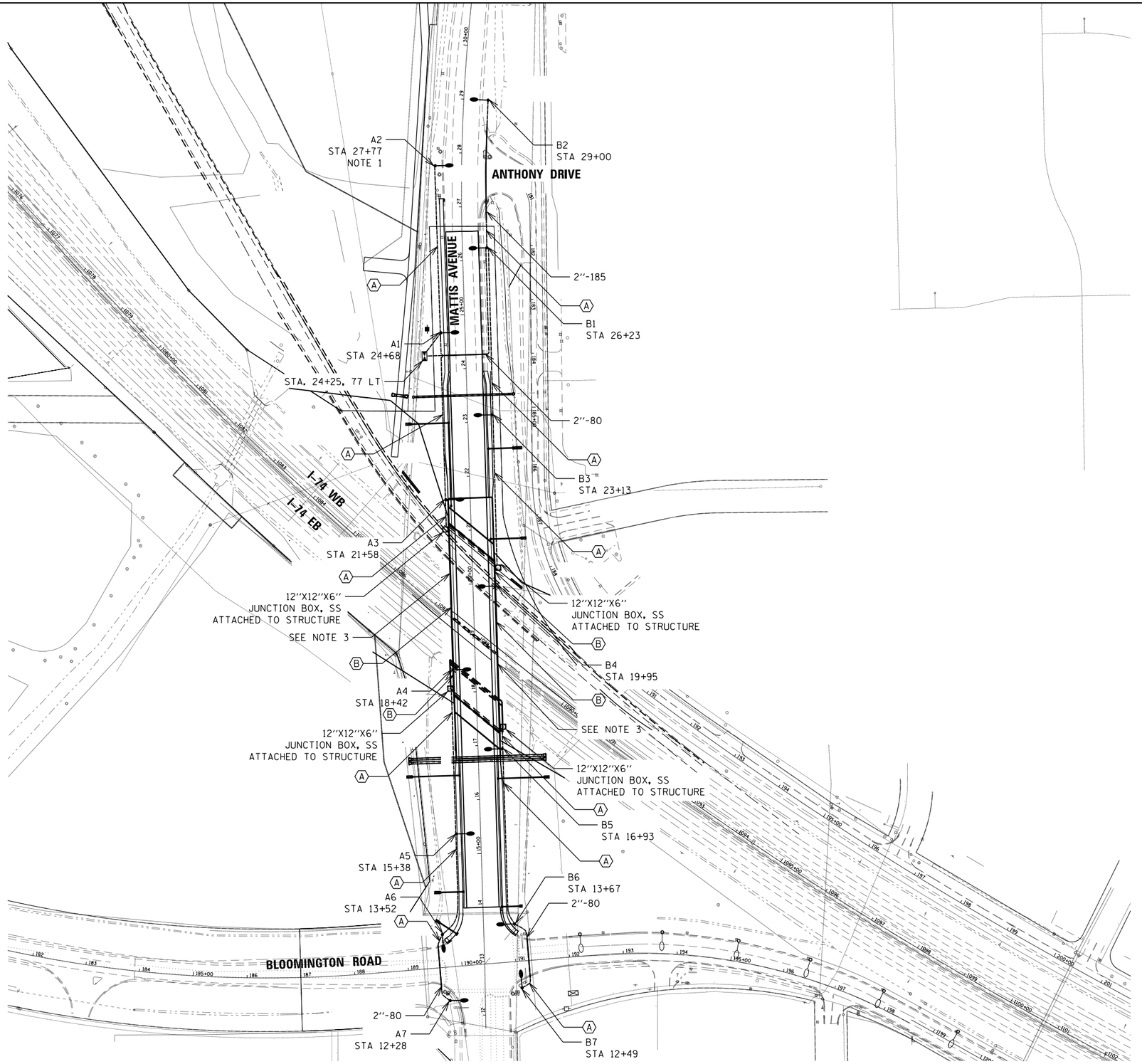
NOTES;

1. THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRE SHIELDS TO LIMIT LIGHT TRESPASS TO ADJACENT CULTIVATION FIELDS. THE COST OF THIS WORK IS INCLUDED IN THE LUMINAIRE PAY ITEM.

2. THE CONTRACTOR SHALL SET LIGHT POLES 15'-0" BEHIND EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.

3. 2-2" DIA. PVC TO BE EMBEDDED IN STRUCTURE. ONE FOR FUTURE USE.

4. SEE SHEET L-1 FOR CABLE/CONDUIT SCHEDULE.



L-3

MODEL: Default
FILE NAME: ...\DGN\Sheets\D570838-Hghl-1.dgn

USER NAME = bemery	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 5/9/2019 - 6:47:28 AM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

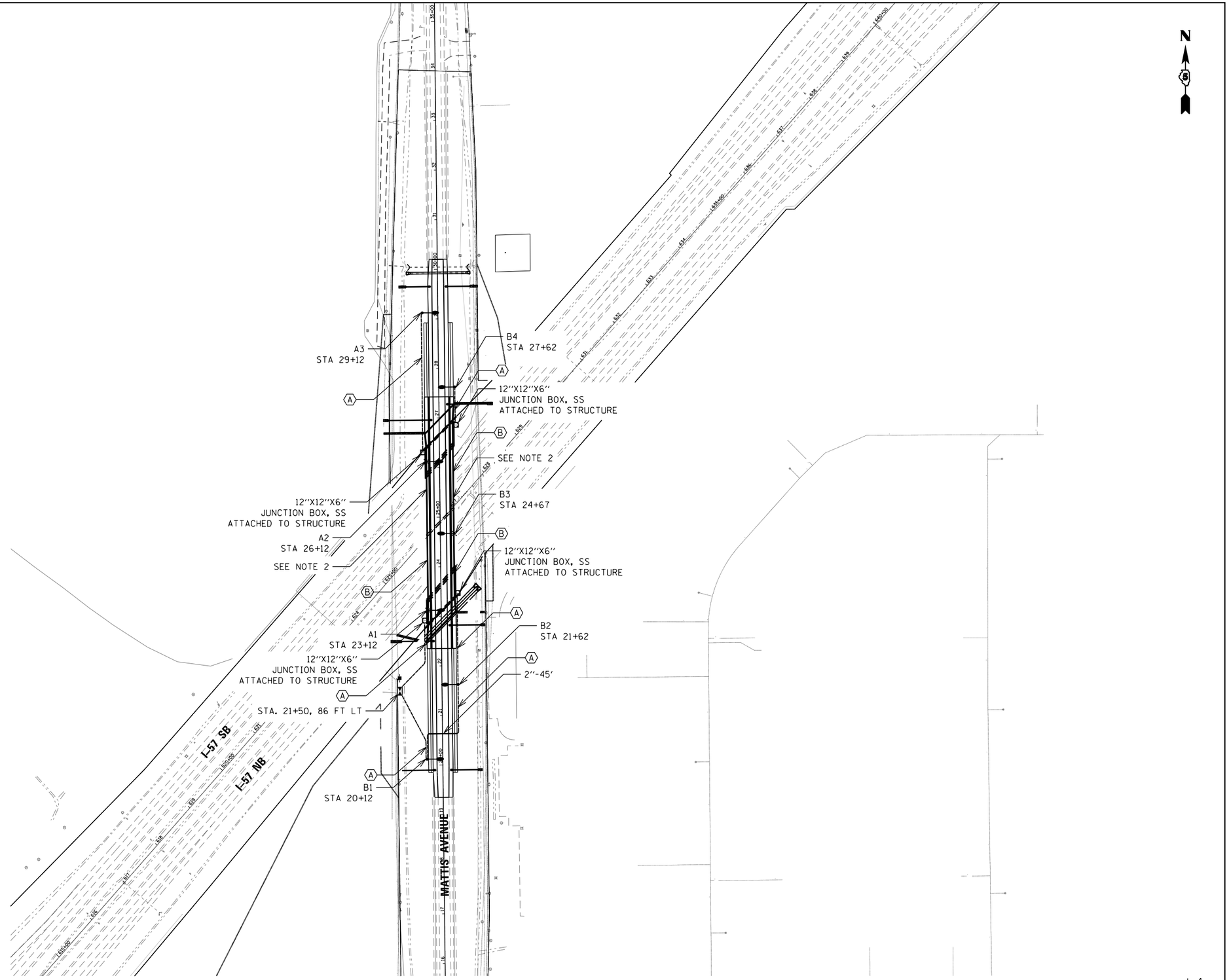
MATTIS AVENUE OVER I-74
LIGHTING PLAN

SCALE: 1" = 100' | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	93
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS | FED. AID PROJECT			

NOTES:

1. THE CONTRACTOR SHALL SET LIGHT POLES 20'-0" BEHIND EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
2. 2-2" DIA. PVC TO BE EMBEDDED IN STRUCTURE. ONE FOR FUTURE USE.
3. SEE SHEET L-1 FOR CABLE/CONDUIT SCHEDULE.



L-4

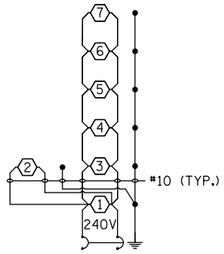
MODEL: Default
FILE NAME: ...\DGN\Sheets\D570B38-light-2.dgn

USER NAME = bemery	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 5/9/2019 - 6:47:53 AM	DATE -	REVISED -	

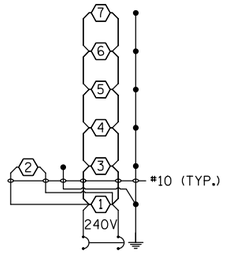
MATTIS AVENUE OVER I-57
LIGHTING PLAN

SCALE: 1" = 100' | SHEET OF SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	94
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
		ILLINOIS	FED. AID PROJECT	

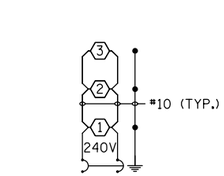


2 POLE 30 AMP BREAKER
CKT A

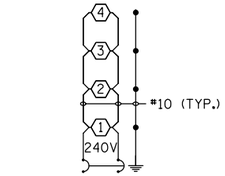


2 POLE 30 AMP BREAKER
CKT B

LIGHTING CONTROLLER
MATTIS AVENUE OVER I-74
PEDESTAL MOUNT, 240V



2 POLE 30 AMP BREAKER
CKT A



2 POLE 30 AMP BREAKER
CKT B

LIGHTING CONTROLLER
MATTIS AVENUE OVER I-57
PEDESTAL MOUNT, 240V

NOTES:

1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

⬡ PROPOSED LED LUMINAIRE

⏚ GROUND ROD

L-5

USER NAME = cearlockjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = NTS	CHECKED -	REVISED -
PLOT DATE = 10/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MATTIS AVENUE
WIRING DIAGRAMS

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	95
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

MODEL: $MODELNAME$
FILE NAME: pw:\\dothanroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570B38\Consultant\Data\BFW\Final Plan_Submittal_06_2019\CV\Lighting Plans\10-17-19_Submittal\CADD\Sheets\D570B38-detail-1.dgn

GENERAL NOTES FOR TRAFFIC SIGNALS

1. THE CONTRACTOR SHALL CONTACT THE CITY OF CHAMPAIGN (217) 403-8700 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. (J.U.L.I.E 800-892-0123).
3. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK.
5. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
6. SIGNAL POLE LOCATIONS SHALL NOT INTERFERE WITH SIDEWALK.
7. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
8. ALL CONDUIT IN TRENCH SHALL BE P.V.C.. ALL CONDUIT PUSHED SHALL BE P.V.C.. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
9. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
10. ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY. ALL POLE BASES SHALL BE PROTECTED BY A STAINLESS STEEL MESH SCREENING AROUND THE BASEBOLTS TO PREVENT RODENT ENTRY. THE MESH SHALL BE SECURED TO THE BASE BY STAINLESS STEEL BANDING WHICH IS INCIDENTAL TO THE SIGNAL POLE RELOCATION PAY ITEM.
11. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
12. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
13. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS, AT ANTHONY DRIVE ONLY, SHALL HAVE POLYCARBONATE BLACK HOUSING AND BLACK BRACKETS.
14. ALL GROUNDING MATERIALS FOR THE TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 OF THE STANDARD SPECIFICATIONS.
15. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
16. ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A.
17. THE QUANTITIES PROVIDED IN THE PLANS ARE INTENDED AS A GUIDE FOR THE CONTRACTOR IN DETERMINING THE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL MATERIAL QUANTITIES AND EVALUATING SITE CONDITIONS. NO CLAIMS FOR EXTRA WORK WILL BE AWARDED UNLESS ORDERED IN WRITING BY THE ENGINEER.
18. DETECTOR LOOPS IN THE SAME LANE SHALL BE WOUND CLOCKWISE AND COUNTERCLOCKWISE IN ALTERNATING ORDER. LOOPS IN ADJACENT LANES SHALL BE WOUND ALL THE SAME.
19. ALL DETECTOR LOOP AMPLIFIERS SHALL BE CARD RACK MOUNTED AND FURNISHED WITH PLASTIC TAGS LABELED WITH RESPECTIVE PHASES AND DIRECTION AS LISTED IN THE DETECTOR LOOP CHART. A MINIMUM TAG SIZE OF $\frac{3}{8}$" X $\frac{3}{4}$" IS REQUIRED. TAGS SHALL BE MADE OF MATERIAL THAT DOES NOT ALLOW WRITING TO FADE OVER TIME.
20. THE LENGTH OF DETECTOR LOOP CABLE FROM THE CURB TO THE JUNCTION BOX OF HANDHOLE IS INCLUDED IN THE DETECTOR LOOP PAY ITEM.
21. THE CONTRACTOR SHALL CONTACT THE ILLINOIS DEPARTMENT OF TRANSPORTATION 72 HOURS PRIOR TO LOOP DETECTOR PLACEMENT SO THAT THEY MAY BE PRESENT WHEN THEY ARE LAID OUT.
22. THE FINAL LOCATION OF ALL TRAFFIC CONTROL ITEMS SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
23. PAVEMENT MARKINGS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL LOCATIONS ARE SHOWN ON THE STRIPING DETAIL SHEET.

PEDESTRIAN CROSSING SIGN

COUNT-DOWN PEDESTRIAN SIGN R10-3e TO BE USED.

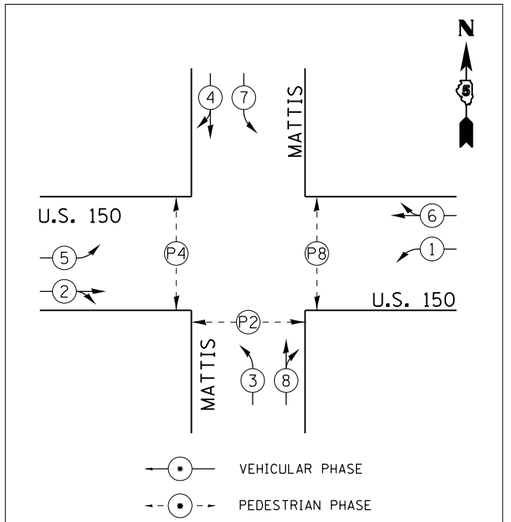
0.94 SQ FT EACH, (8) REQUIRED.

DIMENSIONS: 9in x 15in (TYP.)
LEGEND AND BORDER: NON-REFLECTORIZED BLACK
BACKGROUND: RETROREFLECTIVE WHITE
UPRAISED HAND SYMBOL, TIMER: RETROREFLECTIVE ORANGE ON BLACK
PEDESTRIAN SYMBOL: RETROREFLECTIVE WHITE ON BLACK

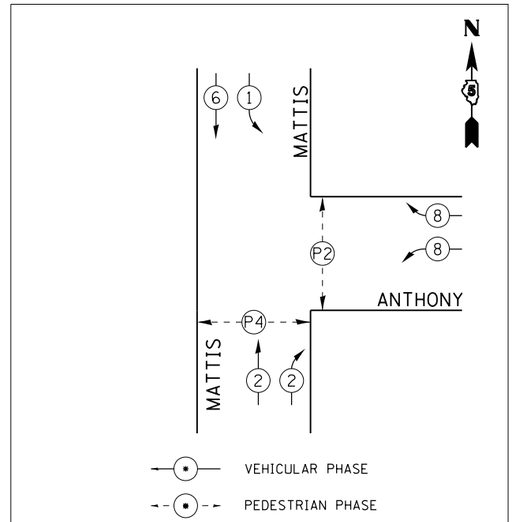
ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON.
ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.

ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION.
ALL MOUNTING BOLTS SHALL BE HEX HEAD.

MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.



PHASE DESIGNATION DIAGRAM



PHASE DESIGNATION DIAGRAM

FILE NAME = ...\D570B38-sht-traffic_signals.dgn Default	USER NAME = bemery	DESIGNED - BJE	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**GENERAL NOTES & PHASE DIAGRAM TRAFFIC SIGNALS**
		DRAWN - BJE	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -		
	PLOT DATE = 5/9/2019 - 6:48:19 AM	DATE - 05/07/2019	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	96
	• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
	ILLINOIS	FED. AID PROJECT		

DETECTOR LOOP DATA

LOOP	SIZE	MODE	QUADRA-POLE	DELAY
A1, A2, A3, A4	6' x 6'	PULSE	NO	0

* THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS (A1, A2), (A3, A4).

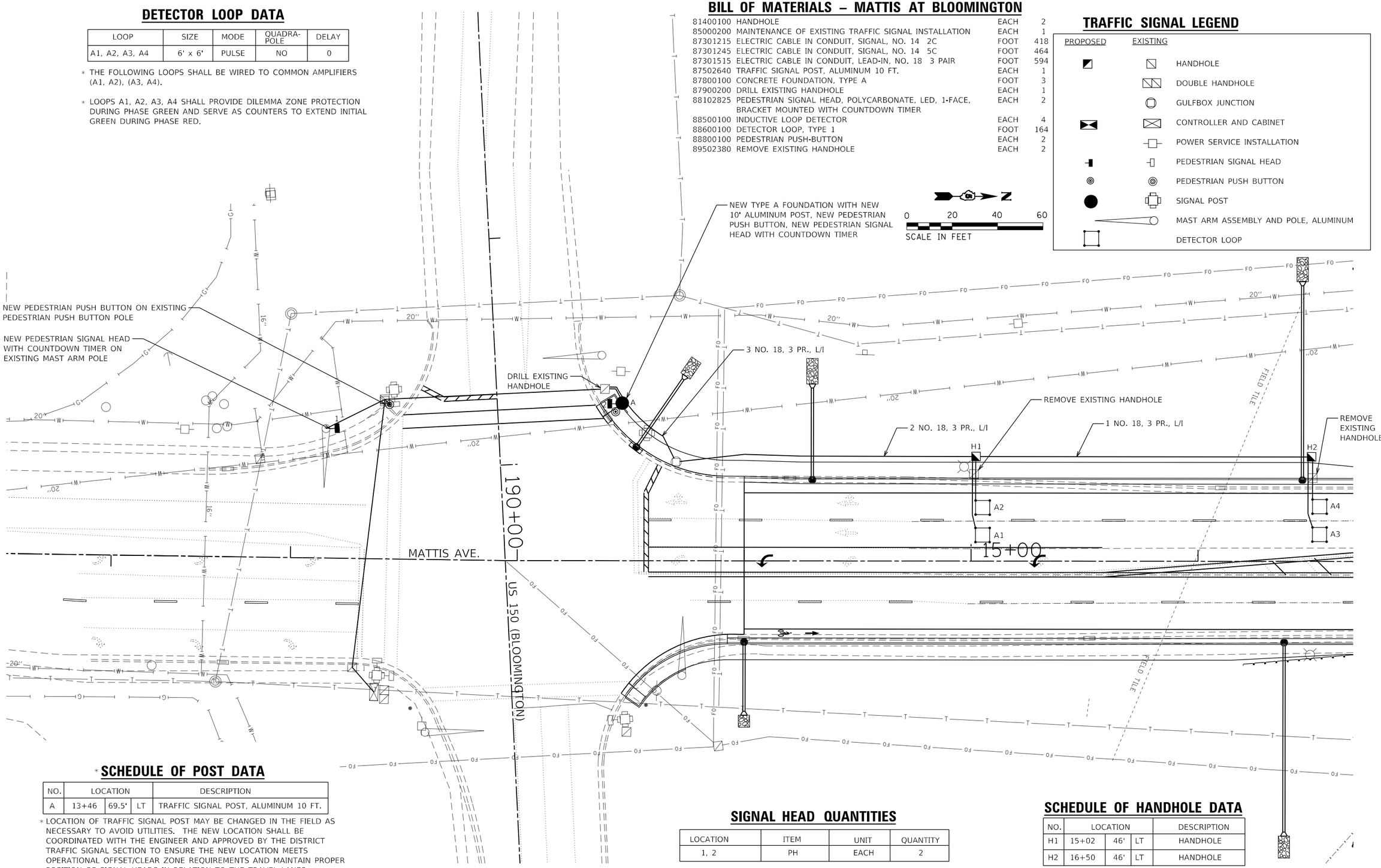
* LOOPS A1, A2, A3, A4 SHALL PROVIDE DILEMMA ZONE PROTECTION DURING PHASE GREEN AND SERVE AS COUNTERS TO EXTEND INITIAL GREEN DURING PHASE RED.

BILL OF MATERIALS – MATTIS AT BLOOMINGTON

81400100	HANDHOLE	EACH	2
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	418
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	464
87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	594
87502640	TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
88500100	INDUCTIVE LOOP DETECTOR	EACH	4
88600100	DETECTOR LOOP, TYPE 1	FOOT	164
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2
89502380	REMOVE EXISTING HANDHOLE	EACH	2

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING	
◪	▨	HANDHOLE
	▨▨	DOUBLE HANDHOLE
	◎	GULFBOX JUNCTION
⧓	⧓	CONTROLLER AND CABINET
	□	POWER SERVICE INSTALLATION
▮	▯	PEDESTRIAN SIGNAL HEAD
◎	◎	PEDESTRIAN PUSH BUTTON
●	⊡	SIGNAL POST
◥	◥	MAST ARM ASSEMBLY AND POLE, ALUMINUM
▭		DETECTOR LOOP



* SCHEDULE OF POST DATA

NO.	LOCATION			DESCRIPTION
A	13+46	69.5'	LT	TRAFFIC SIGNAL POST, ALUMINUM 10 FT.

* LOCATION OF TRAFFIC SIGNAL POST MAY BE CHANGED IN THE FIELD AS NECESSARY TO AVOID UTILITIES. THE NEW LOCATION SHALL BE COORDINATED WITH THE ENGINEER AND APPROVED BY THE DISTRICT TRAFFIC SIGNAL SECTION TO ENSURE THE NEW LOCATION MEETS OPERATIONAL OFFSET/CLEAR ZONE REQUIREMENTS AND MAINTAIN PROPER POSITION OF SIGNAL HEADS IN RELATION TO THE TRAVEL LANES.

SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
1, 2	PH	EACH	2

SCHEDULE OF HANDHOLE DATA

NO.	LOCATION			DESCRIPTION
H1	15+02	46'	LT	HANDHOLE
H2	16+50	46'	LT	HANDHOLE

FILE NAME = ...\D570B38-sht-traffic_signals.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
Default		DRAWN - BJE	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
	PLOT DATE = 5/9/2019 - 6:48:19 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNALS
US 150 – MATTIS AVE.

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	97
	• (10-34HB-3)BR&(10-5-1HB)BR-1	CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

BILL OF MATERIALS – MATTIS AT ANTHONY

85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
85700200	FULL-ACTUATED CONTROLER AND TYPE IV CABINET	EACH	1
86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	155
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	173
87600200	PEDESTRIAN PUSH-BUTTON POST, TYPE 2	EACH	1
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
88500100	INDUCTIVE LOOP DETECTOR	EACH	4
88600100	DETECTOR LOOP, TYPE 1	FOOT	148
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
1, 2	PH	EACH	2

SCHEDULE OF POST DATA

NO.	LOCATION			DESCRIPTION
A	27+13.00	42.0'	LT	PEDESTRIAN PUSH BUTTON POST, TYPE 2

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING	
		HANDHOLE
		DOUBLE HANDHOLE
		GULFBOX JUNCTION
		CONTROLLER AND CABINET
		POWER SERVICE INSTALLATION
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSH BUTTON
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, ALUMINUM
		DETECTOR LOOP

0 20 40 60
SCALE IN FEET

NEW PEDESTRIAN PUSH BUTTON AND NEW PEDESTRIAN PUSH BUTTON POLE

NEW PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER ON EXISTING MAST ARM POLE

NEW FULL-ACTUATED CONTROLLER AND TYPE IV CABINET

MATTIS AVE.

25+00

A3 A4 A1 A2

NEW PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER ON EXISTING TRAFFIC SIGNAL POLE

NEW PEDESTRIAN PUSH BUTTON ON EXISTING TRAFFIC SIGNAL POLE

ANTHONY DR.

180+00

240+00

DETECTOR LOOP DATA

LOOP	SIZE	MODE	QUADRA-POLE	DELAY
A1, A2, A3, A4	6' x 6'	PULSE	NO	0

* THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS (A1, A2), (A3, A4).

* LOOPS A1, A2, A3, A4 SHALL PROVIDE DILEMMA ZONE PROTECTION DURING PHASE GREEN AND SERVE AS COUNTERS TO EXTEND INITIAL GREEN DURING PHASE RED.

FILE NAME = ...\D570B38-sht-traffic_signals.dgn	USER NAME = bemery	DESIGNED - BJE	REVISED -
		DRAWN - BJE	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - KRC	REVISED -
Default	PLOT DATE = 5/9/2019 - 6:48:20 AM	DATE - 05/07/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNALS
ANTHONY DR. – MATTIS AVE.

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

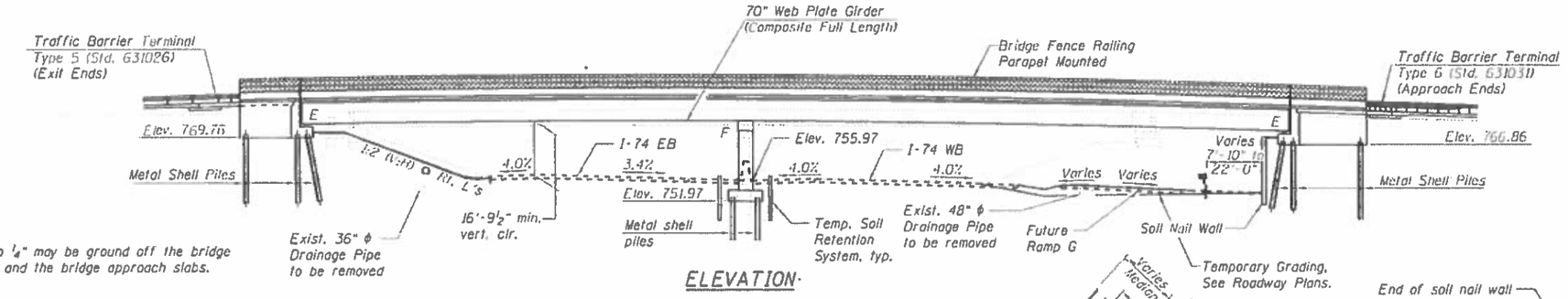
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	•	CHAMPAIGN	264	98
• (10-34HB-3)BR&(10-5-1HB)BR-1		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			

Bench Mark: Chiseled "□" on the north side of the south leg of the interstate sign foundation located on the south side of F.A.I. 74, Sta. 1093+41, 93' RT. Elev. 757.45.

Existing Structure: S.N. 010-0270 built 1992 as F.A.U. 7158 (Mattis Ave.), Section (10-5-1 HB)BR at Station 19+01.76. Structure is a two-span 48" web steel plate girder bridge supported by open stub abutments on concrete piles and multi-column reinforced concrete piers on spread footings. 249'-10¾" back-to-back abutments. 71'-7" out-to-out deck. Structure to be removed and replaced using stage construction.

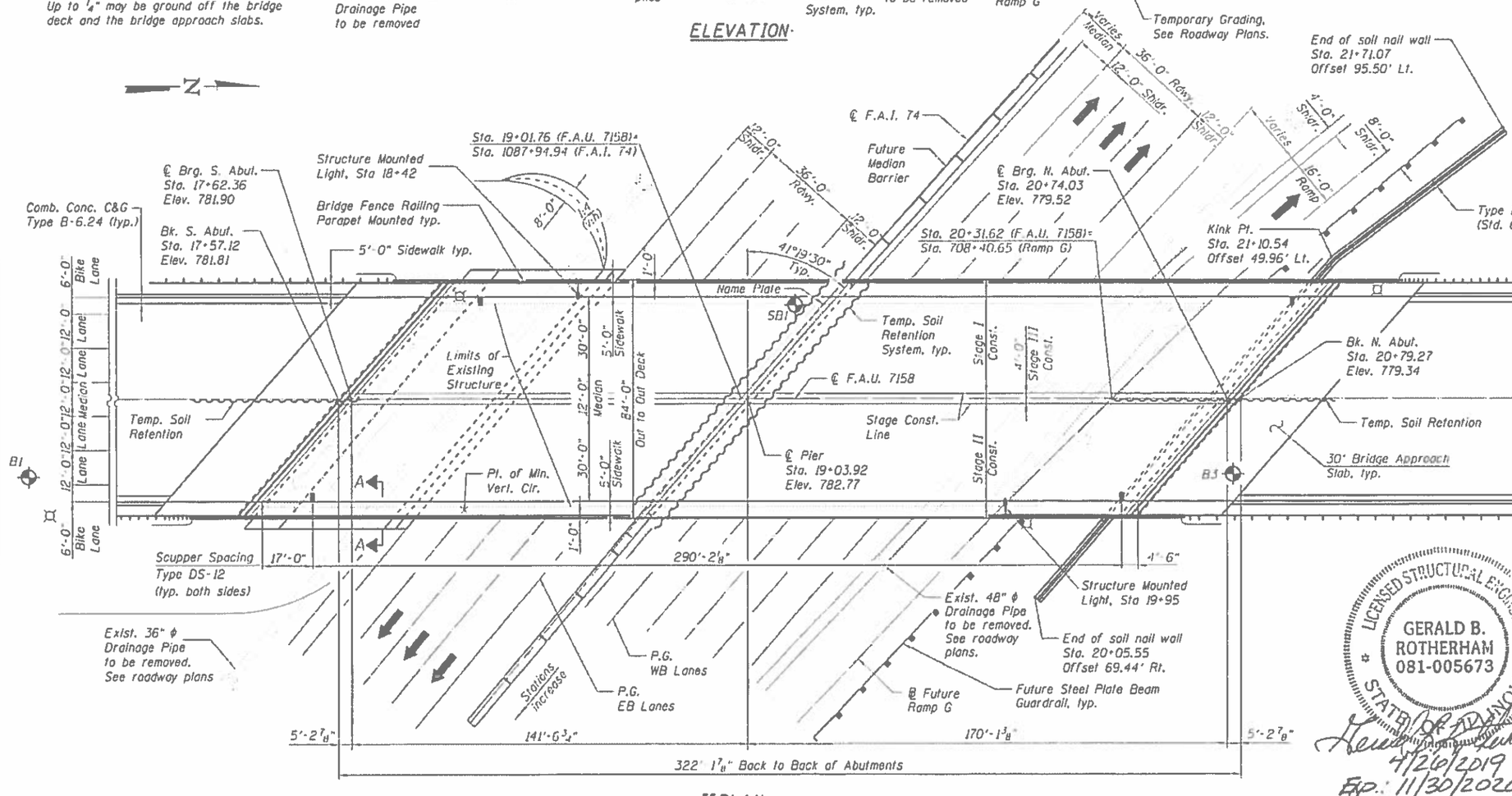
No Salvage.

---------- In Elevation View, indicates portion of roadway configuration to be constructed in future contract.



Note: Up to ¼" may be ground off the bridge deck and the bridge approach slabs.

ELEVATION



"PLAN

"Future roadway configurations of F.A.I 57 and Ramp G shown.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
f'c = 4,000 psi (Superstructure concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (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}) = 0.135 g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.234 g
Soil Site Class = D

DESIGN SPECIFICATIONS

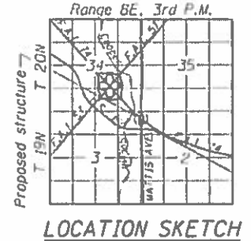
2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 and 2016 Interims.

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

⌑ Existing Light Pole to be removed. (see roadway plans)

STATION 19+01.76
BUILT BY
STATE OF ILLINOIS
F.A.U. 7158 - SECTION
(10-34HB-3)BR & (10-5-1HB)BR-1
LOADING HL-93
STRUCTURE NO. 010-1270

NAME PLATE
See Std. 515001



LOCATION SKETCH

LICENSED STRUCTURAL ENGINEER
GERALD B. ROTHERHAM
081-005673
STATE OF ILLINOIS
4/26/2019
Exp.: 11/30/2020

GENERAL PLAN & ELEVATION
MATTIS AVE. OVER F.A.I. 74
F.A.U. 7158-SECTION (10-34HB-3)BR
&(10-5-1HB)BR-1
CHAMPAIGN COUNTY
STATION 19+01.76
STRUCTURE NO. 010-1270

• (10-34HB-3)BR&(10-5-1HB)BR-1

FILE NAME = 010127B-70B38-E01-GPE.dgn	USER NAME =	DESIGNED - CMV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BACON FARMER WORKMAN ENGINEERING & TESTING INC		CHECKED - BWP	REVISED -			7158	•	CHAMPAIGN	264	99
	PLOT SCALE =	DRAWN - BJV	REVISED -					CONTRACT NO. 70B38		
	PLOT DATE = 1/26/2019	CHECKED - BWP	REVISED -		SHEET NO. 1 OF 44 SHEETS			ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

1	General Plan and Elevation
2-3	General Data
4-5	Stage Construction Details
6	Temporary Concrete Barrier
7-12	Top of Slab Elevations
13	Top of South Approach Slab Elevations
14	Top of North Approach Slab Elevations
15	Superstructure
16-17	Superstructure Details
18	Diaphragm Details
19-20	Bridge Approach Slab Details
21-22	Bridge Fence Railing
23	Drainage Scuppers
24	Drainage System
25-26	Expansion Joint Details
27	Structural Steel Framing Plan
28-29	Structural Steel Details
30	Bearing Details
31-32	South Abutment
33	South Abutment Details
34-35	North Abutment
36	North Abutment Details
37-38	Pier
39	Soil Nail Wall
40	Soil Nail Wall Details
41	Metal Shell Pile Details
42	Bar Splicer Assembly Details
43-44	Soil Boring Logs

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, hot dip galvanized bolts. Bolts $^{7}/_{8}$ in. ϕ, holes $^{15}/_{16}$ in. ϕ, unless otherwise noted.

Calculated weight of Structural Steel: AASHTO M 270 Gr. 50 = 1,187,520 lbs.
AASHTO M 270 Gr. 36 = 77,200 lbs.

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

Reinforcement bars designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $^{1}/_{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Concrete Sealer shall be applied to the designated areas of the North and South Abutments.

All structural steel shall be metallized. Cost included in Furnishing and Erecting Structural Steel. See Special Provisions.

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

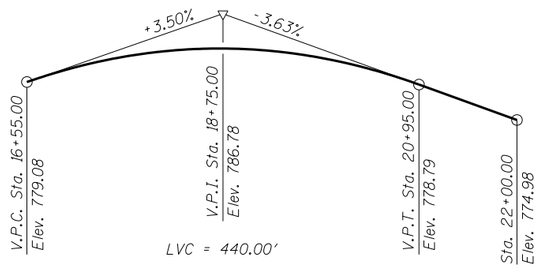
When the deck pour is stopped for the day at one or more of the transverse bonded construction joints in the deck pouring sequence as shown, the next pour shall not be made until both of the following are met:

1) At least 72 hours shall have elapsed from the end of the previous pour.
2) The concrete strength shall have attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.

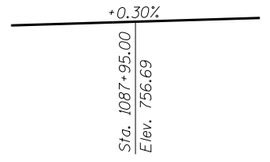
The maximum pay length of Protective Shield shall be from face to face of the existing abutments. The maximum pay width of Protective Shield shall be equal to the overall deck width of the existing bridge.

TOTAL BILL OF MATERIAL

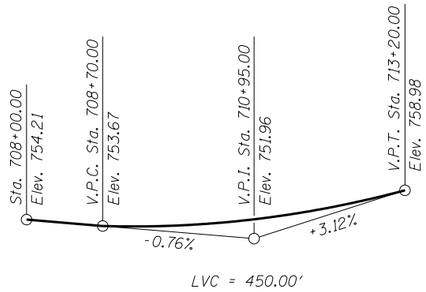
ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures No. 1	Each			1
Protective Shield	Sq. Yd.	1,925		1,925
Structure Excavation	Cu. Yd.		1,806	1,806
Concrete Structures	Cu. Yd.		688.8	688.8
Concrete Superstructure	Cu. Yd.	910.5		910.5
Protective Coat	Sq. Yd.	3,740		3,740
Concrete Superstructure (Approach Slab)	Cu. Yd.	235.0		235.0
Furnishing and Erecting Structural Steel	L. Sum	0.57		0.57
Stud Shear Connectors	Each	7,668		7,668
Reinforcement Bars, Epoxy Coated	Pound	296,810	76,800	373,610
Bar Splicers	Each	1,233	411	1,644
Mechanical Splicers	Each	6	216	222
Bridge Fence Railing	Foot	701		701
Slope Wall 4 Inch	Sq. Yd.		522	522
Furnishing Metal Shell Piles 12"x0.250"	Foot		3,484	3,484
Furnishing Metal Shell Piles 14"x0.250"	Foot		2,856	2,856
Driving Piles	Foot		6,340	6,340
Test Pile Metal Shells	Each		3	3
Pile Shoes	Each		27	27
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	438		438
Elastomeric Bearing Assembly, Type 1	Each		24	24
Anchor Bolts, 1"	Each		48	48
Anchor Bolts, 1½"	Each		24	24
Temporary Soil Retention System	Sq. Ft.		4,134	4,134
Concrete Sealer	Sq. Ft.		3,364	3,364
Geocomposite Wall Drain	Sq. Yd.		605	605
Soil Nail Wall	Sq. Ft.		3,638	3,638
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	2,539		2,539
Granular Backfill for Structures	Cu. Yd.		591	591
Drainage Scuppers, DS-12	Each	4		4
Drainage System	L Sum		1	1
Diamond Grinding (Bridge Section)	Sq. Yd.	2,877		2,877
Pipe Underdrains for Structures 4"	Foot		577	577
Powder Coating of Parapet Railing and Bridge Fence Railing	L Sum	0.40		0.40



PROFILE GRADE F.A.U. 7158 (MATTIS AVE.)
(along ℄ roadway)



FUTURE PROFILE GRADE F.A.I. 74
(along PG EB & WB I-74)



PROFILE GRADE FUTURE RAMP G
(along ℄ Roadway)

EXIST. CURVE F.A.I. 74-1

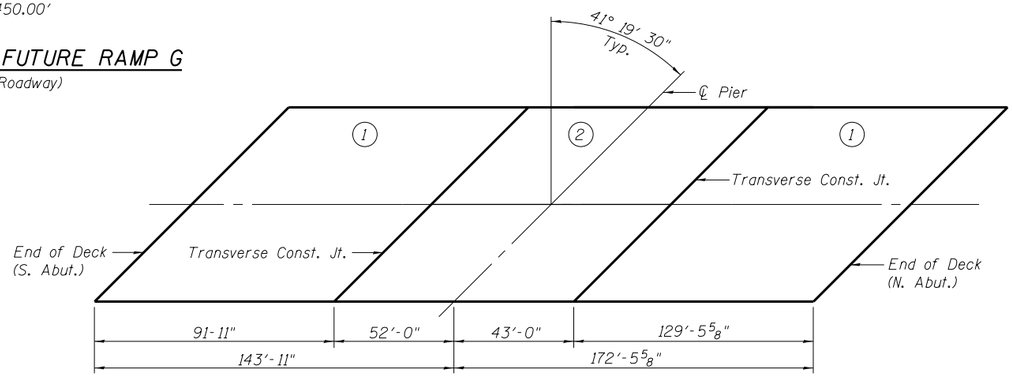
PI STA. = 1088+67.30
Δ = 18° 37′ 57" (LT)
D = 0° 48′ 50"
R = 7,040.65′
T = 1,155.00′
L = 2,289.60′
E = 94.11′
e = 3.4%
T.R. = N/A
S.E. RUN = 215′
P.C. STA. = 1077+12.30
P.C.C. STA. = 1100+01.90

CURVE FUTURE RAMP G-1

PI STA. = 709+83.61
Δ = 16° 53′ 10" (RT)
D = 4° 35′ 01"
R = 1,250.00′
T = 185.54′
L = 368.40′
E = 13.70′
e = 7.6%
T.R. = N/A
S.E. RUN = 260′
P.C. STA. = 707+98.07
P.T. STA. = 711+66.47
ATTAIN S.E. (EXIT TERMINAL):
STA. 707+44.91 (+4.0% MATCH M.L.)
STA. 708+68.07 (+7.6% S.E. @ D-D)

FUTURE MEDIAN TRANSITION (W.B. LANES)

R = 5,950.00′ (INSIDE E.O.P.)
e = 4.0%
T.R. = 125′
S.E. RUN = 250′
P.C. STA. = 1079+51.02
P.C.C. STA. = 1092+77.27



DECK POURING SEQUENCE

* (10-34HB-3)BR&(10-5-1HB)BR-1

FILE NAME = 0101270-70B38-002-General Data.dgn	USER NAME =	DESIGNED - CMV	REVISED -	
BACON | FARMER | WORKMAN ENGINEERING & TESTING, INC. 403 NORTH COURT STREET MARION, ILLINOIS 62959 PHONE: 618/997-9190		CHECKED - BWP	REVISED -	
	PLOT SCALE =	DRAWN - BJV	REVISED -	
	PLOT DATE = 2/10/2020	CHECKED - BWP	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 010-1270
SHEET NO. 2 OF 44 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7158	*	CHAMPAIGN	264	100
		CONTRACT NO. 70B38		
	ILLINOIS FED. AID PROJECT			