

102

04-24-2020 LETTING ITEM 102

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAI ROUTE 57	SECTION 2019-150-B7	COUNTY COOK	TOTAL SHEET SHEETS NO 46	1
16 sheets			CONTRACT NO. 62K21	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

# PROPOSED HIGHWAY PLANS

FAI ROUTE 57 (I-57)  
OVER LITTLE CALUMET RIVER & THORNTON RD  
(2.0 MI NORTHEAST OF I-294)  
SECTION 2019-150-BR  
PROJECT NHPP-OC9T(916)  
BRIDGE DECK OVERLAY  
COOK COUNTY

D-91-306-20



IMPROVEMENT IS LOCATED IN THE  
VILLAGE OF DIXMOOR

**TRAFFIC DATA**

FUNCTIONAL CLASSIFICATION: INTERSTATE  
2018 ADT = 119,300  
POSTED SPEED = 55 MPH

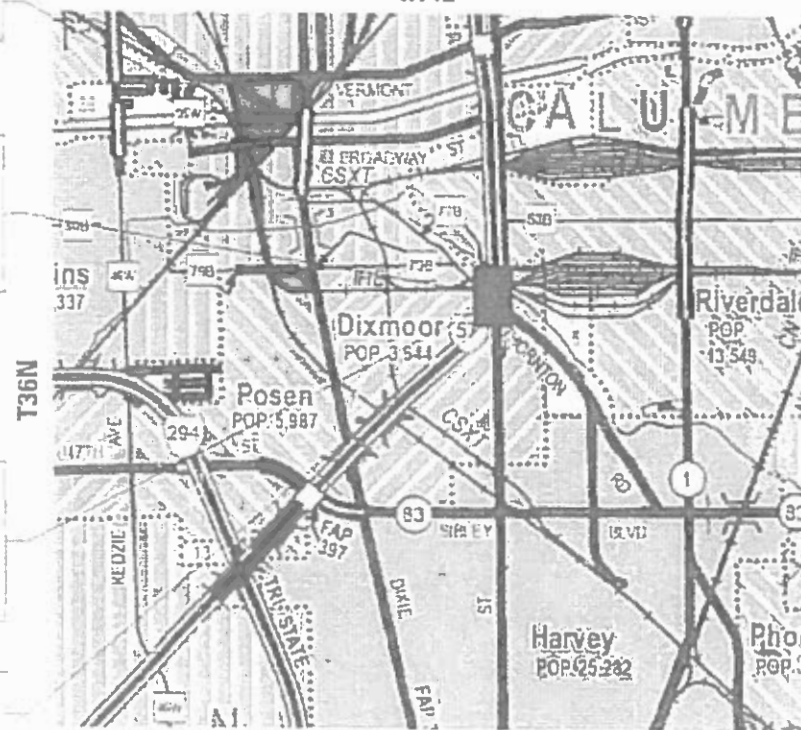
C-91-109-20

END IMPROVEMENT  
STA 370+19

BRIDGE REPAIR  
SB I-57  
EXIST SN: 016-0060  
PROP SN: 016-0060

BRIDGE REPAIR  
NB I-57  
EXIST SN: 016-0061  
PROP SN: 016-0061

BEGIN IMPROVEMENT  
STA 360+15



LOCATION MAP  
NOT TO SCALE



Signed: *[Signature]*  
Date: 1/17/2020  
License Expires: 11/30/2021  
The seal shown above is valid  
for Sheets 1-24, 39-46.



Signed: *[Signature]*  
Date: 1/17/2020  
License Expires: 11/30/2020  
The seal shown above is valid  
for Sheets 25-38.

**EFK-Moen**  
Civil Engineering Design

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *January 24, 2020*  
*Anthony J. Dwyer, P.E.*  
REGIONAL ENGINEER  
*Marko 20*  
ENGINEER OF DESIGN AND ENVIRONMENT  
*Marko 20*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

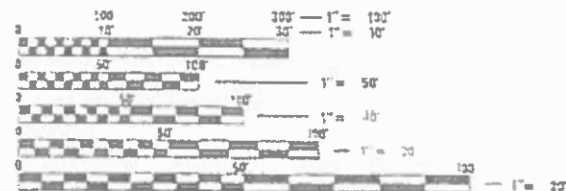
PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

REV-SP

PROJECT ENGINEER: PRAVEEN KAINI, PE (847)705-4237  
PROJECT MANAGER: FAWAD AQUEEL, PE, PTOE (847)705-4247

CONTRACT NO. 62K21

GROSS LENGTH = 1004.46 FT. = 0.190 MILE  
NET LENGTH = 1004.46 FT. = 0.190 MILE



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

## INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-6	SUMMARY OF QUANTITIES
7	MAINTENANCE OF TRAFFIC - GENERAL NOTES
8-9	MAINTENANCE OF TRAFFIC - TYPICAL SECTION
10-21	MAINTENANCE OF TRAFFIC - STAGING PLANS
22-24	PAVEMENT MARKING PLAN
25-38	STRUCTURE PLANS
39	TC-09 TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE
40	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
41	TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
42-43	TC-12 MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
44	TC-17 TRAFFIC CONTROL FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
45	TC-18 FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
46	TC-25 TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE

## HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
635001-02	DELINEATORS
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
643001-02	SAND MODULE IMPACT ATTENUATORS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-10	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

## GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT THE EXPRESSWAY FIELD ENGINEER AT 847-705-4155 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS WHEN USING ARTIFICIAL LIGHTING DURING NIGHT OPERATIONS TO PREVENT ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS IS FOR REFERENCE PURPOSES ONLY. THE RELATIVE ACCURACY OF THE INFORMATION IS UNKNOWN AND CANNOT BE GUARANTEED. THE CONTRACTOR MAY BE REQUESTED TO ADJUST LAYOUT TO MATCH ACTUAL FIELD CONDITIONS AND THE INTENT OF THE PLANS.
- NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO THE ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- SHOULDER RUMBLE STRIPS SHALL BE OMITTED WHEN CROSSING DRAINAGE STRUCTURES AND PAVEMENT MARKINGS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT AT NO ADDITIONAL COST TO THE DEPARTMENT.
- ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED, ANY DAMAGE DONE TO THE EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP, AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES.

## MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QMP
SHOULDER RUMBLE STRIP REMOVAL		
HOT-MIX ASPHALT SURFACE COURSE MIX "D", IL-9.5, N70, 2"	4% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

## NOTES

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LB/SY/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

MODEL: Default  
 FILE NAME: Z:\120308.01 IDOT D1 PFB192-007 W001 1-57 Bridge Repair.DGN\Design\Prelim\Recharts\0162K21-1-18-genstdc.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>I-57 OVER LITTLE CALUMET RIVER AND THORNTON RD INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - JB	REVISIED -	57			2019-150-BR	COOK	46	2	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 62K21				
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% STATE	90% STATE
				10% FED	10% FED
				BRIDGE	BRIDGE
				0059	0059
				S.N. 016-0060	S.N. 016-0061
50300300	PROTECTIVE COAT	SQ YD	1972	1012	960
52000010	PREFORMED JOINT SEAL 1 1/4"	FOOT	123	60	63
52000020	PREFORMED JOINT SEAL 1 3/4"	FOOT	59	59	
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	59		59
52000035	PREFORMED JOINT SEAL 2 3/4"	FOOT	59	59	
52000037	PREFORMED JOINT SEAL 3"	FOOT	60	60	
52000040	PREFORMED JOINT SEAL 3 1/2"	FOOT	122	61	61
52000050	PREFORMED JOINT SEAL 4"	FOOT	60		60
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	15,809	7,910	7,899
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	6	6
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	300	150	150
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	181,788	91,194	90,594
70300905	PAVEMENT MARKING TAPE, TYPE IV 5"	FOOT	22,446	11,260	11,186

URBAN

\* DENOTES SPECIALTY ITEM

REV-SP

MODEL: Default  
 FILE NAME: Z:\19038 01 DOT D1 17B192-007 W001 1-57 Bridge Resurfacing\Drawings\Pre\m\Subsheets\0162\21-1st-500-01.dgn

USER NAME = MSlick	DESIGNED - RG	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/31/2020	DATE - 12/13/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-57 OVER LITTLE CALUMET RIVER & THORNTON RD**  
**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K21	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% STATE	90% STATE
				10% FED	10% FED
				BRIDGE	BRIDGE
				0059	0059
				S.N. 016-0060	S.N. 016-0061
		URBAN			
70300908	PAVEMENT MARKING TAPE, TYPE IV 8"	FOOT	26760	13380	13380
70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	2500	1244	1256
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2475	1262.5	1212.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	7325	3725	3600
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	1	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	6	3	3
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	15,444	7,743	7,701
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	527	255	272
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	4,352	2,180	2,172
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	527	255	272
* 78100300	REPLACEMENT REFLECTOR	EACH	416	208	208
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	784	399	385
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	110	56	54
X0325201	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	2,343	1,172	1,171

\* DENOTES SPECIALTY ITEM

REV-SP

MODEL: Default  
 FILE NAME: Z:\19038 01 DOT D1 I7B192-007 W001 I-57 Bridge Resurfacing\Design\Drawings\Sheet\62K21-INT-500-02.dgn

USER NAME = MSlick	DESIGNED - RG	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/31/2020	DATE - 12/13/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-57 OVER LITTLE CALUMET RIVER & THORNTON RD**  
**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K21	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				90% STATE	90% STATE
				10% FED	10% FED
				BRIDGE	BRIDGE
				0059	0059
				S.N. 016-0060	S.N. 016-0061
		URBAN			
X0326766	CLEAN & RESEAL RELIEF JOINT	FOOT	242	117	125
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2,196	1,127	1,069
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	7,554	3,725	3,829
* X2700009	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5"	FOOT	3,331	1,712	1,619
* X2700012	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8"	FOOT	1,194	769	425
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.5	0.5
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	160	80	80
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	69,949	35,090	34,859
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	416	208	208
X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	3,331	1,712	1,619
X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1,194	769	425
Z0012102	CONCRETE BRIDGE DECK SCARIFICATION 3/8 INCH	SQ YD	12513	6419	6094
Z0012193	BRIDGE DECK THIN POLYMER OVERLAY 3/8"	SQ YD	12513	6419	6094
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1253	923	330

REV-SEP

\* DENOTES SPECIALTY ITEM

MODEL: Default  
FILE NAME: Z:\19038 01 DOT D1 17B132-007 W001 1-57 Bridge Resurfacing\Design\Pre\m\Subsheets\0162\21-1st-500-03.dgn

USER NAME = MSlick	DESIGNED - RG	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/31/2020	DATE - 12/13/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-57 OVER LITTLE CALUMET RIVER & THORNTON RD  
SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	5
			CONTRACT NO. 62K21	
ILLINOIS FED. AID PROJECT				



**MAINTENANCE OF TRAFFIC – GENERAL NOTES**

1. TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)" (X7011015). NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THE CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
3. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKINGS SHALL BE REMOVED AND SHALL BE RESTORED AT THE END OF CONSTRUCTION IN ACCORDANCE WITH DISTRICT ONE STANDARD TC 12 "MULTI-LANE FREEWAY PAVEMENT MARKING" AND AS DIRECTED BY THE ENGINEER.
4. ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER.
6. THE FOLLOWING APPLY TO CONSTRUCTION SIGNS:
  - A) THE CONTRACTOR SHALL FURNISH ALL SIGNS.
  - B) ALL SIGNS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) PAY ITEM, EXCEPT FOR TEMPORARY INFORMATION SIGNING AS NOTED ON THE PLANS.
7. ALL TRAFFIC CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO DRUMS, VERTICAL PANELS, AND BARRICADES IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
8. ALL SIGN ASSEMBLIES SHALL BE CERTIFIED BY THE CONTRACTOR AS MEETING THE APPLICABLE REQUIREMENTS OF NCHRP REPORT 350, TEST LEVEL 3 AND SHALL BE APPROVED BY THE ENGINEER.
9. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCE NOTICE TO THE ENGINEER OF ANY CONSTRUCTION WORK.
10. ALL TEMPORARY PAVEMENT MARKINGS DURING STAGED CONSTRUCTION SHALL BE PAVEMENT MARKING TAPE, TYPE IV OF THE WIDTH AND COLOR SPECIFIED ON THE PLAN SHEETS. TEMPORARY PAVEMENT MARKING IS NOT REQUIRED FOR SHORT TERM CLOSURES.
11. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, SUFFICIENT QUANTITIES FOR 2 APPLICATIONS OF TEMPORARY PAVEMENT MARKINGS HAVE BEEN PROVIDED FOR EACH STAGE.
12. TEMPORARY LANE CLOSURES ALONG I-57 WILL ONLY BE ALLOWED DURING THE HOURS SPECIFIED IN THE SPECIAL PROVISION "KEEPING THE EXPRESSWAYS OPEN TO TRAFFIC".
13. DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL TAKE NECESSARY PRE-CAUTIONS TO AVOID ANY CONSTRUCTION DEBRIS FROM ENCRANCHING INTO THE ADJACENT THROUGH LANES.
14. TEMPORARY CONCRETE BARRIERS SHALL BE EQUIPPED WITH BARRIER WALL REFLECTORS, TYPE C, IN ACCORDANCE WITH HIGHWAY STANDARD 704001 AND 782006 AT 25' CENTERS.
15. THE CONTRACTOR SHALL PLACE CHANGEABLE MESSAGE SIGNS TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. LOCATIONS OF CHANGEABLE MESSAGE SIGN SHALL BE AS DIRECTED BY THE ENGINEER. THE MESSAGE SIGN SHALL BE IN PLACE TWO WEEKS PRIOR TO START OF CONSTRUCTION ACTIVITIES. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGN".
16. "ROAD CONSTRUCTION AHEAD" SIGN (W20-I103(O)-48) SHALL BE PLACED ON ALL ENTRANCE RAMPS WITHIN THE WORK ZONE. SIGNS SHALL BE PLACED 200 FT IN ADVACNE OF THE GORE
17. AT LOCATIONS WHERE TRAFFIC IS SHIFTED ONTO THE EXISTING SHOULDERS THE EXISTING RUMBLE STRIPS SHALL BE REMOVED AND RESURFACED. THE REMOVAL AND RESURFACING OF THE EXSITING RUMBLE STRIPS TO BE PAID FOR AS SHOULDER RUMBLE STRIP REMOVAL. THE EXISTING RUMBLE STRIPS SHALL BE RESTORED AT THE END OF CONSTRUCTION IN ACCORDANCE WITH HIGHWAY STANDARD 642001 "SHOULDER RUMBLE STRIPS, 16 IN." AND AS DIRECTED BY THE ENGINEER.

**STAGING NOTES**

THE FOLLOWING STAGES SHALL BE USED FOR NORTHBOUND AND SOUTHBOUND TRAFFIC.

STAGE 1

1. SHIFT TRAFFIC UTILIZING STANDARDS TC-9 AND TC-17 TO PROVIDE THREE 11-FOOT LANES AS SHOWN ON THE PLANS.

STAGE 2

ALL WORK TO BE PERFORMED UTILIZING NIGHTTIME LANE CLOSURES DURING ALLOWABLE HOURS AS SHOWN IN THE "KEEPING EXPRESSWAY OPEN TO TRAFFIC" SPECIAL PROVISION.

NON-ACTIVE WORK AREA:

1. OUTSIDE THE ALLOWABLE LANE CLOSURE HOURS WHEN WORK IS NOT BEING PERFORMED AND WORKERS ARE NOT PRESENT, SHIFT TRAFFIC UTILIZING STANDARDS 701400, TC-09, TC-17, AND TC-25 AS SHOWN ON THE PLANS.

ACTIVE WORK AREA:

1. DURING ALLOWABLE HOURS WHEN WORK IS BEING PERFORMED AND WORKERS ARE PRESENT, LANE 3 SHALL BE CLOSED IN ACCORDANCE WITH HIGHWAY STANDARDS 701400, 701401, AND 701428.
2. LANE 3 SHALL BE REOPENED TO TRAFFIC OUTSIDE THE ALLOWABLE HOURS AS SHOWN ON THE PLANS.
3. ALL CONSTRUCTION VEHICLES, EQUIPMENT, AND MATERIALS MUST BE COMPLETELY REMOVED FROM THE EXPRESSWAY PRIOR TO REOPENING LANE 3 TO TRAFFIC.

STAGE 3

ALL WORK TO BE PERFORMED UTILIZING NIGHTTIME LANE CLOSURES DURING ALLOWABLE HOURS AS SHOWN IN THE "KEEPING EXPRESSWAY OPEN TO TRAFFIC" SPECIAL PROVISION.

NON-ACTIVE WORK AREA:

1. OUTSIDE THE ALLOWABLE LANE CLOSURE HOURS WHEN WORK IS NOT BEING PERFORMED AND WORKERS ARE NOT PRESENT, SHIFT TRAFFIC UTILIZING STANDARDS 701400, TC-09, TC-17, AND TC-25 AS SHOWN ON THE PLANS.

ACTIVE WORK AREA:

1. DURING ALLOWABLE HOURS WHEN WORK IS BEING PERFORMED AND WORKERS ARE PRESENT, LANE 1 SHALL BE CLOSED IN ACCORDANCE WITH HIGHWAY STANDARDS 701400, 701401, AND 701428.
2. LANE 1 SHALL BE REOPENED TO TRAFFIC OUTSIDE THE ALLOWABLE HOURS AS SHOWN ON THE PLANS.
3. ALL CONSTRUCTION VEHICLES, EQUIPMENT, AND MATERIALS MUST BE COMPLETELY REMOVED FROM THE EXPRESSWAY PRIOR TO REOPENING LANE 1 TO TRAFFIC.

STAGE 4

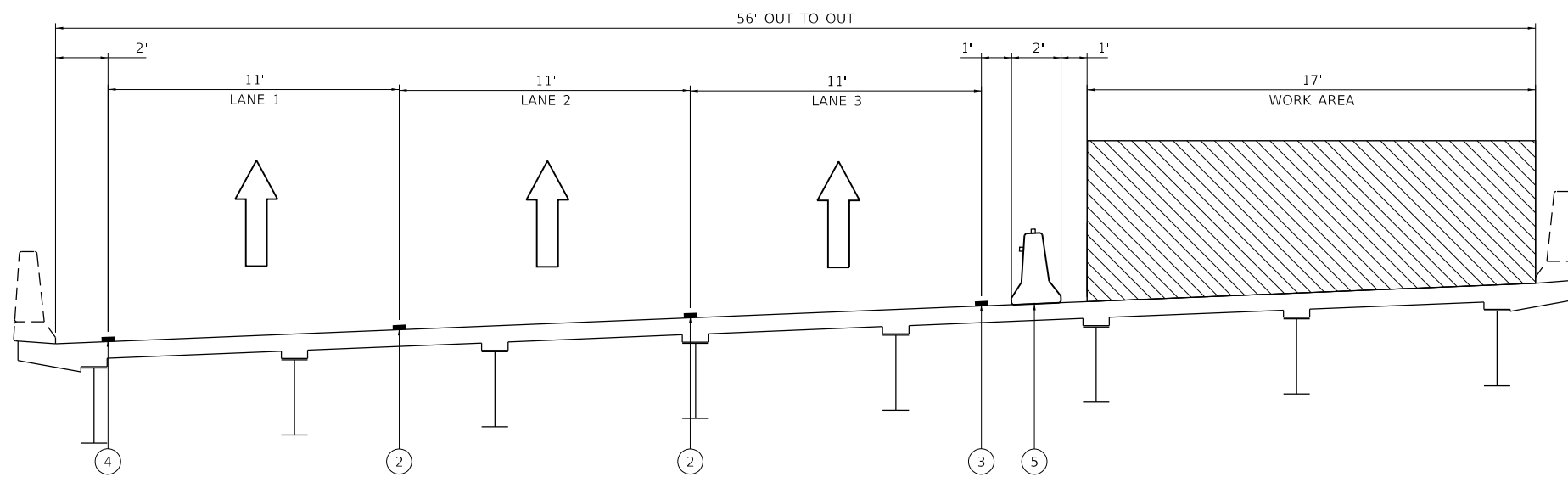
1. SHIFT TRAFFIC UTILIZING STANDARDS TC-9 TO TC-17 PROVIDE THREE 11-FOOT LANES AS SHOWN ON THE PLANS.

STRUCTURAL REPAIR OF CONCRETE ALONG THORNTON RD

1. UTILIZE HIGHWAY STANDARDS 701001 AND 701006 FOR TRAFFIC CONTROL ALONG THORNTON RD FOR STRUCTURAL REPAIRS OF CONCRETE TO EXISTING PIERS.

MODEL: D:\p1\190308.01 IDOT D1 PFB1192-007 W001 I-57 Bridge Repair\DWG\Design\Prelim\Recharts\0162K21-I-57-Expressway-Notes.dgn

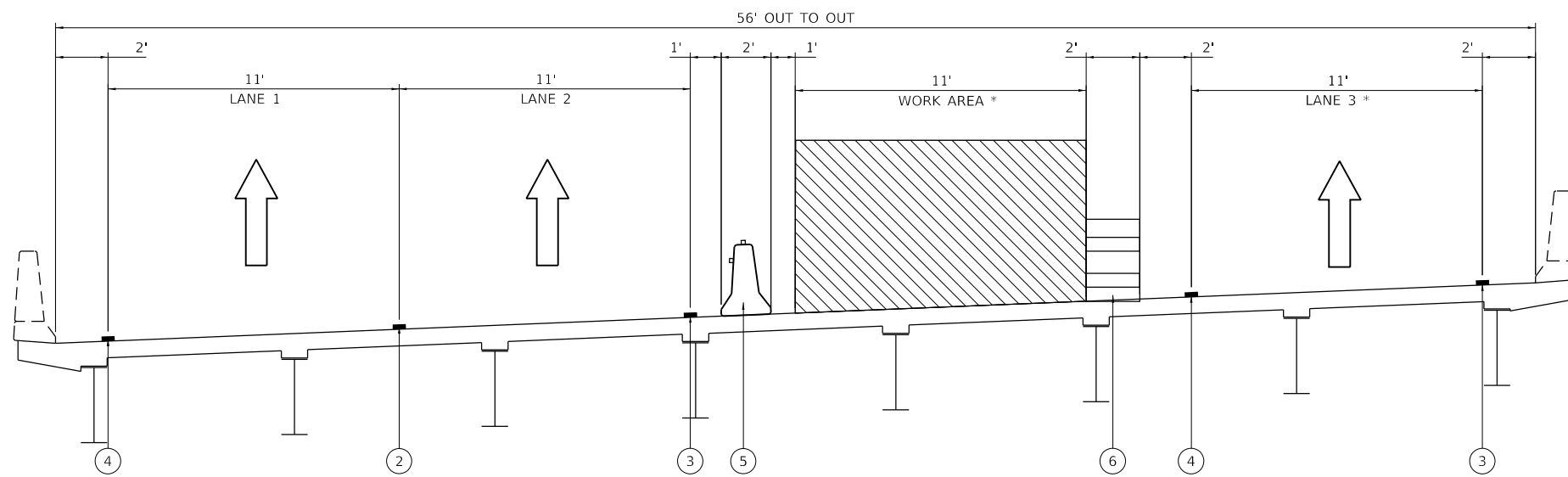
USER NAME = jBerggren	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC STAGING NOTES</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - JB	REVISED -		57	2019-150-BR	COOK	46	7				
PLOT SCALE = 100,0000 ' / in.	CHECKED - JH	REVISED -		CONTRACT NO. 62K21								
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS	FED. AID PROJECT



**STAGE 1**  
NORTHBOUND  
(SOUTHBOUND SYMMETRICAL)

**LEGEND**

- ① EX. PAVEMENT MARKING
  - ② PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
  - ③ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
  - ④ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
  - ⑤ TEMPORARY CONCRETE BARRIER WALL WITH BARRIER WALL REFLECTORS, TYPE C
  - ⑥ TYPE II BARRICADE OR DRUM
- WORK AREA



**STAGE 2**  
NORTHBOUND  
(SOUTHBOUND SYMMETRICAL)

\* WORK AREA ACTIVE ONLY DURING ALLOWABLE HOURS. WHEN WORK ZONE IS ACTIVE AND WORKERS ARE PRESENT LANE 3 IS TO BE CLOSED TO TRAFFIC.

MODEL: D:\p1\120038.01\DOT D1\PTB192-007\WOOD1\57\Bldg\_Repain\DWG\Design\Prelim\Recharts\0162K21-1-1st-stage\192-01.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -
DRAWN - JB	REVISIONS -	
PLOT SCALE = 2,000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISED -

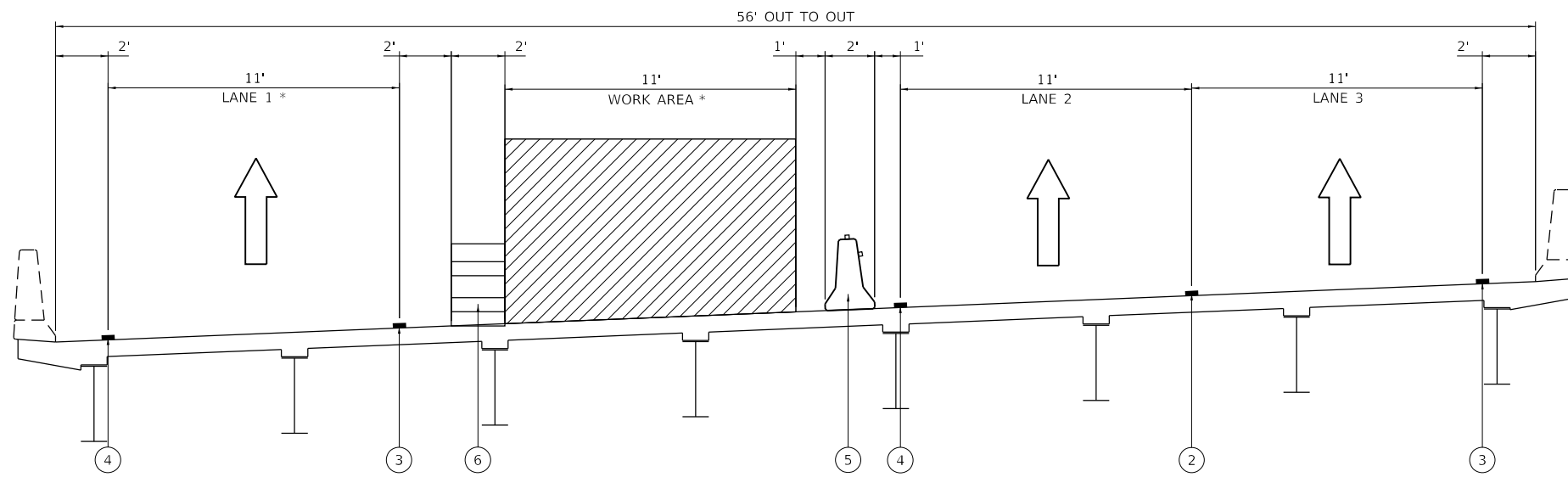
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
TYPICAL SECTION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	8
CONTRACT NO. 62K21			ILLINOIS FED. AID PROJECT	



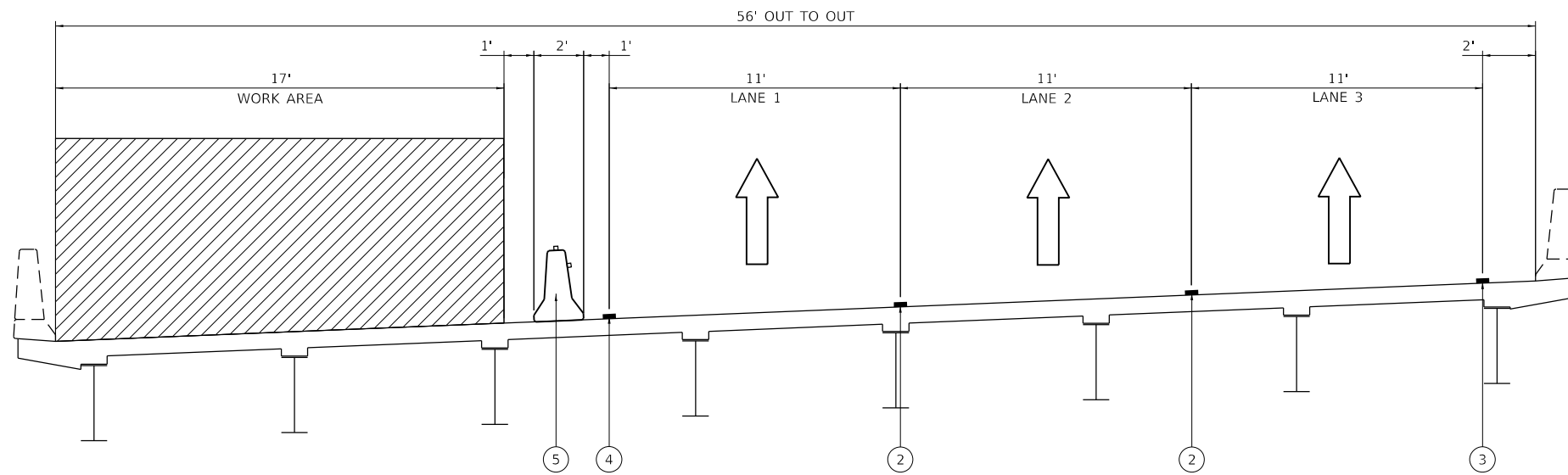


\* WORK AREA ACTIVE ONLY DURING ALLOWABLE HOURS. WHEN WORK ZONE IS ACTIVE AND WORKERS ARE PRESENT, LANE 1 IS TO BE CLOSED TO TRAFFIC.

**STAGE 3**  
NORTHBOUND  
(SOUTHBOUND SYMMETRICAL)

**LEGEND**

- ① EX. PAVEMENT MARKING
  - ② PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
  - ③ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
  - ④ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
  - ⑤ TEMPORARY CONCRETE BARRIER WALL WITH BARRIER WALL REFLECTORS, TYPE C
  - ⑥ TYPE II BARRICADE OR DRUM
- ▨ WORK AREA



**STAGE 4**  
NORTHBOUND  
(SOUTHBOUND SYMMETRICAL)

MODEL: Default  
FILE NAME: Z:\120318.01 IDOT D1 PFB192-007 W001 1-57 Bridge Repair.DGN\Design\Prelim\Rechnets\162K21-1-1st-stage\mof-typ-c2.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - JB	REVISED -
PLOT DATE = 1/30/2020	CHECKED - JH	REVISED -
	DATE - 12/13/19	REVISED -

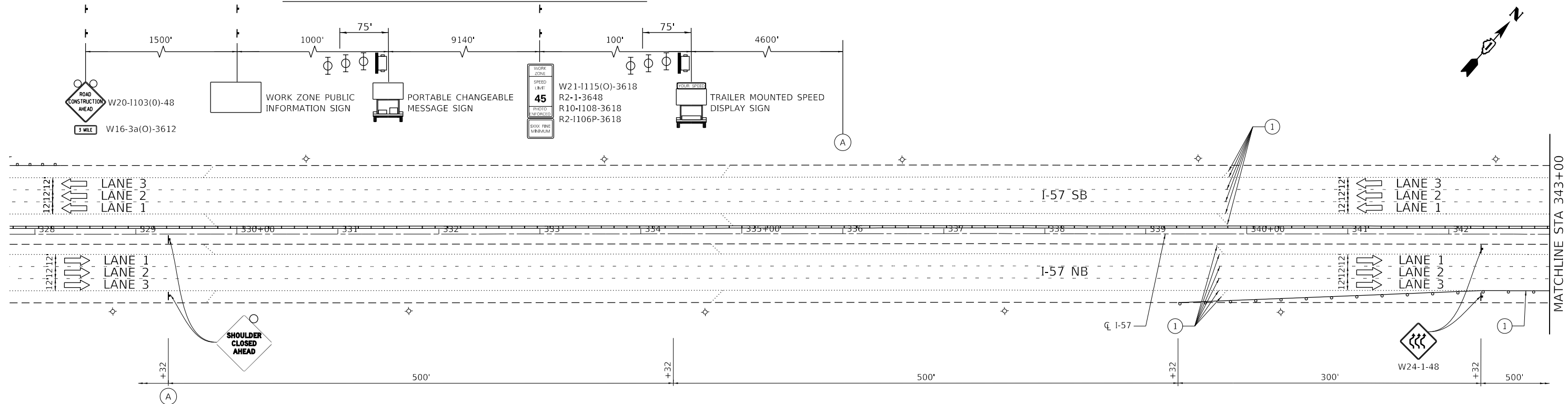
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
TYPICAL SECTION**

SCALE: SHEET OF SHEETS STA. TO STA.

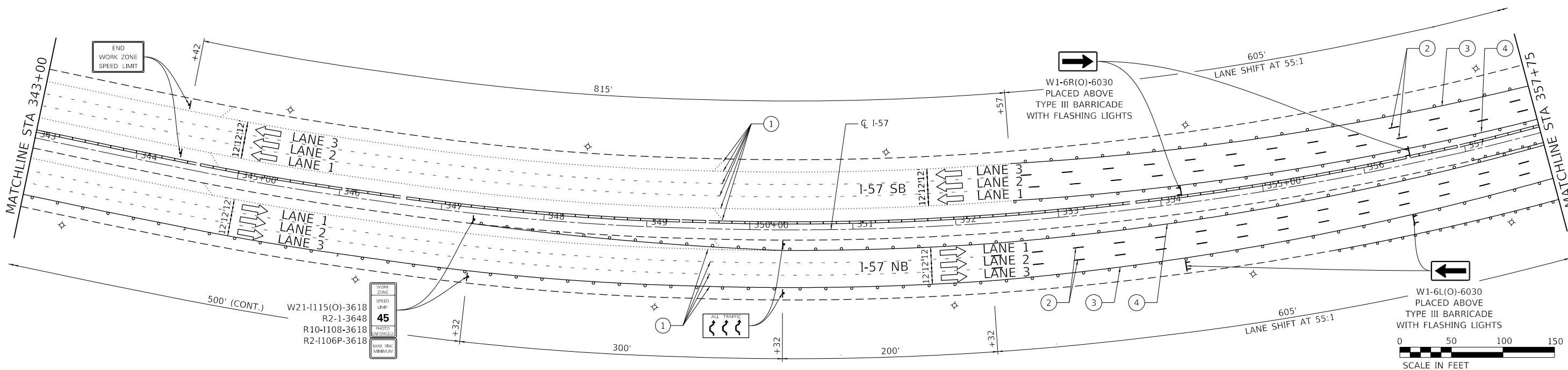
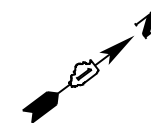
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K21	

**ADVANCED SIGNING DETAIL - I-57 NORTHBOUND**



**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TAPERS
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- ARROW BOARD
- VERTICAL PANELS AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE CHEVRON MARKING SPACED 30' C-C)



MODEL: D:\cadd\11\110308.01\DOT D1\_PFB192-007\_W001\_1-57\_Bridge\_Repair\DWG\Design\Prelim\Rechnets\162K21-1-57-adv-signing-stg-1-01.dgn

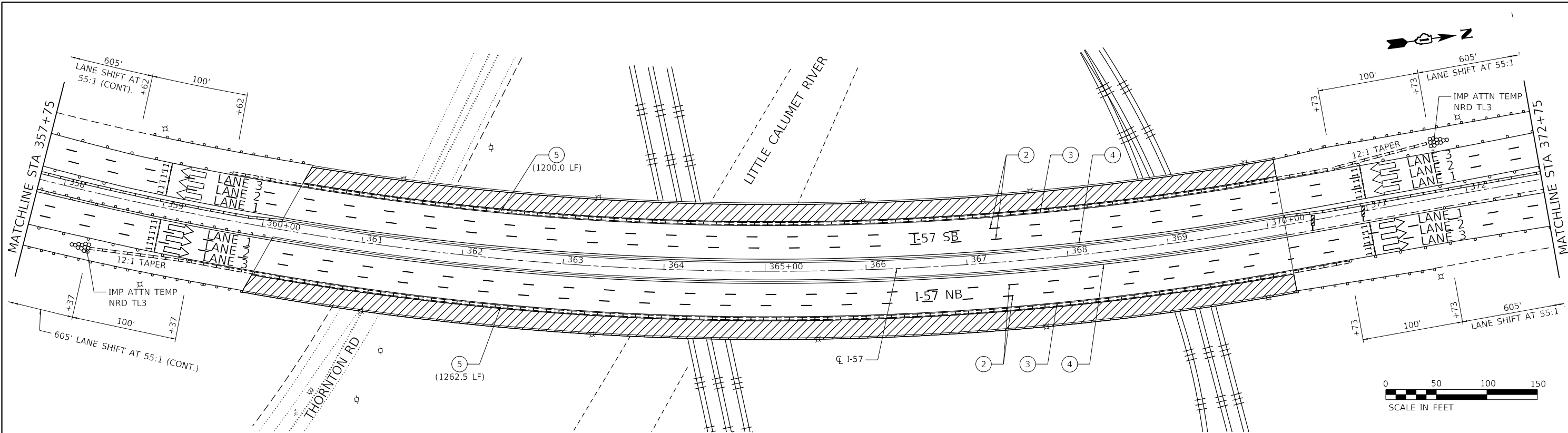
USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
STAGE 1**

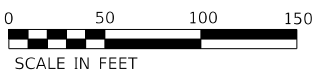
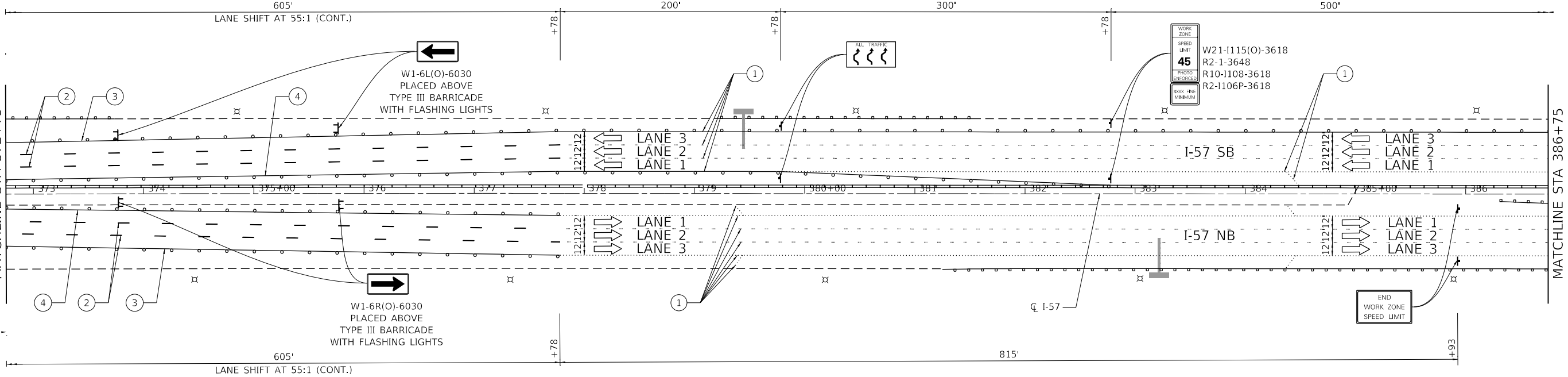
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	10
CONTRACT NO. 62K21				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TAPERS
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- ARROW BOARD
- VERTICAL PANELS AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE CHEVRON MARKING SPACED 30' C-C)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C



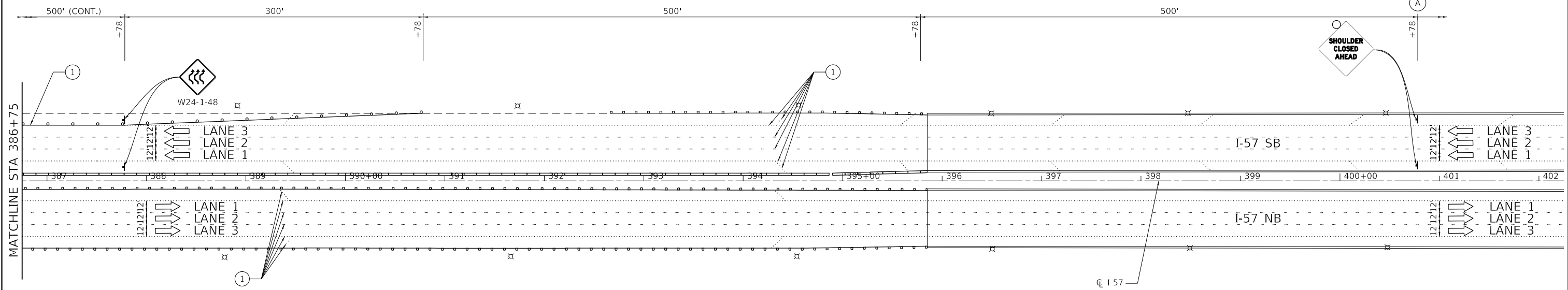
MODEL: D:\cadd\11\110038.01\DOT D1\_PFB1192-007\_W001\_1-57\_Bridge\_Repair\DCM\Design\Prelim\Recharts\1162K21-1-57-2020.dwg

USER NAME = jBerggren	DESIGNED - RG	REVISED -
DRAWN - JB	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISED -

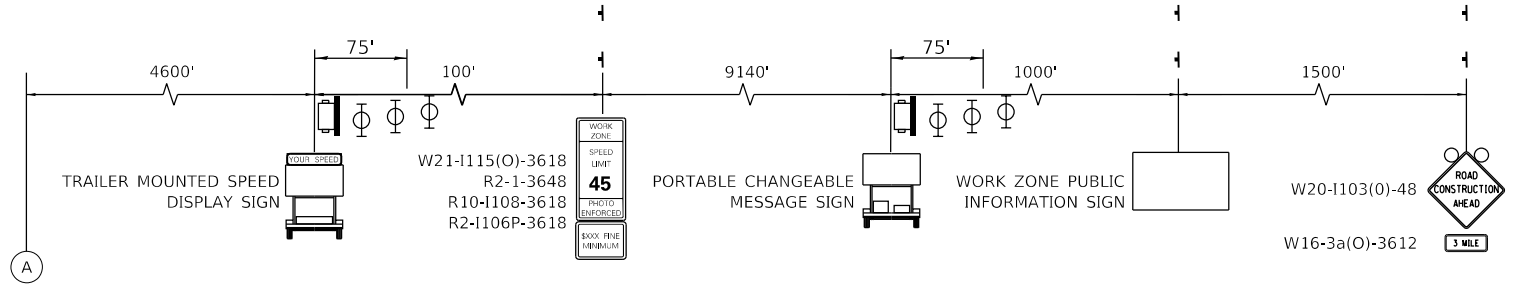
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC STAGE 1</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	11
CONTRACT NO. 62K21				
ILLINOIS FED. AID PROJECT				



**ADVANCED SIGNING DETAIL - I-57 SOUTHBOUND**



**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TAPERS
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- ARROW BOARD
- VERTICAL PANELS AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE CHEVRON MARKING SPACED 30' C-C)
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)

MODEL: Default; FILE NAME: 20190308.01 IDOT D1 PFB192-007 W001 I-57 Bridge Repair Design Prelim/Revisions/0162K21-1-1st-stage/ps-501-03.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

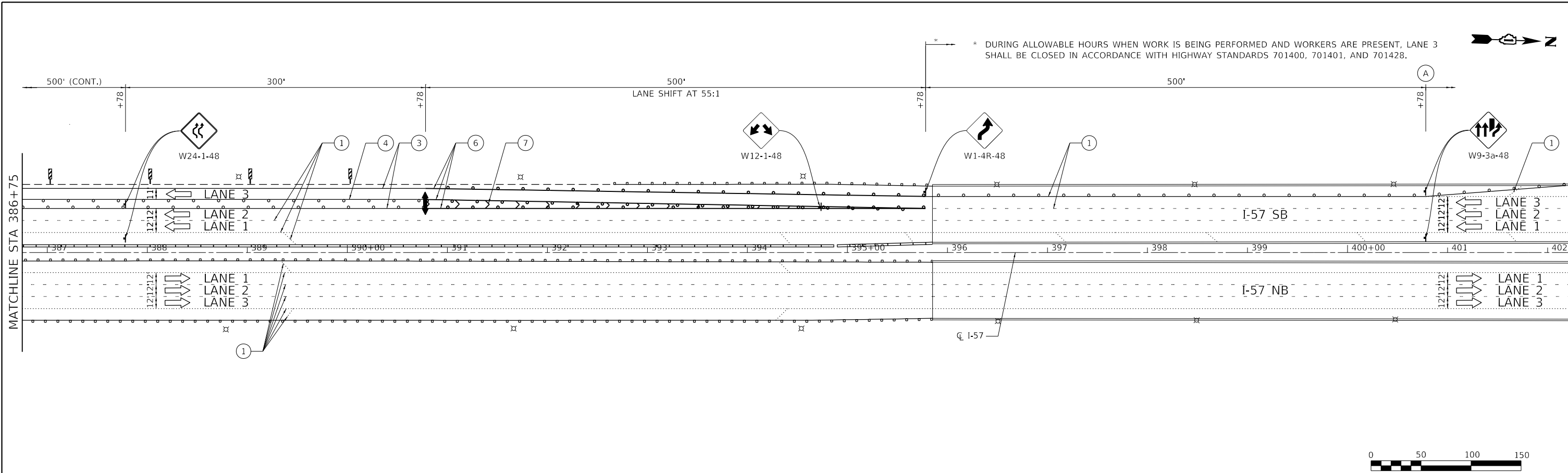
**MAINTENANCE OF TRAFFIC  
STAGE 1**

SCALE: SHEET OF SHEETS STA. TO STA.

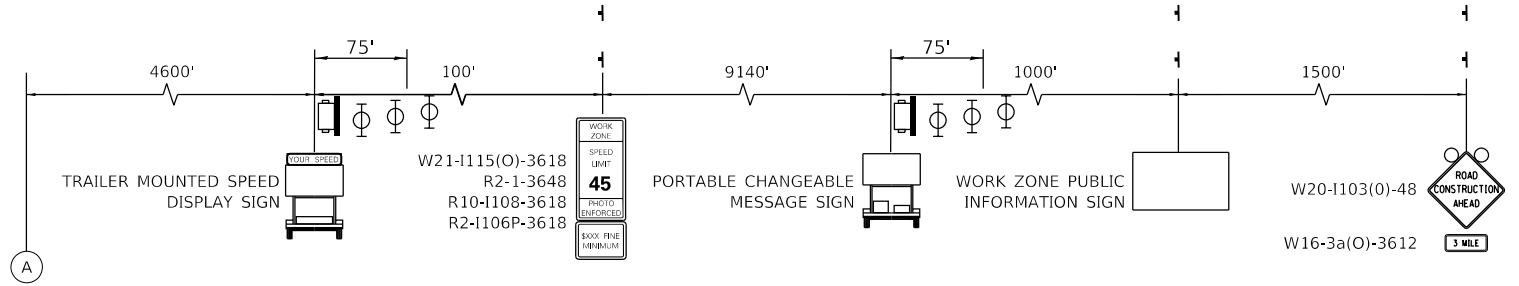
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	12
CONTRACT NO. 62K21				
ILLINOIS		FED. AID PROJECT		







**ADVANCED SIGNING DETAIL - I-57 SOUTHBOUND**



**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TAPERS
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- ARROW BOARD
- VERTICAL PANELS AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY CONCRETE BARRIER WALL / BARRIER WALL REFLECTORS, TYPE C
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE CHEVRON MARKING SPACED 30' C-C)

MODEL: Default  
FILE NAME: Z:\190308.01 IDOT D1 PFB192-007 W001 I-57 Bridge Repair\DCM\Design\Prelim\Recharts\0162K21-1-1st-stage\rfp-sta2-03.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/31/2020	DATE - 12/13/19	REVISED -

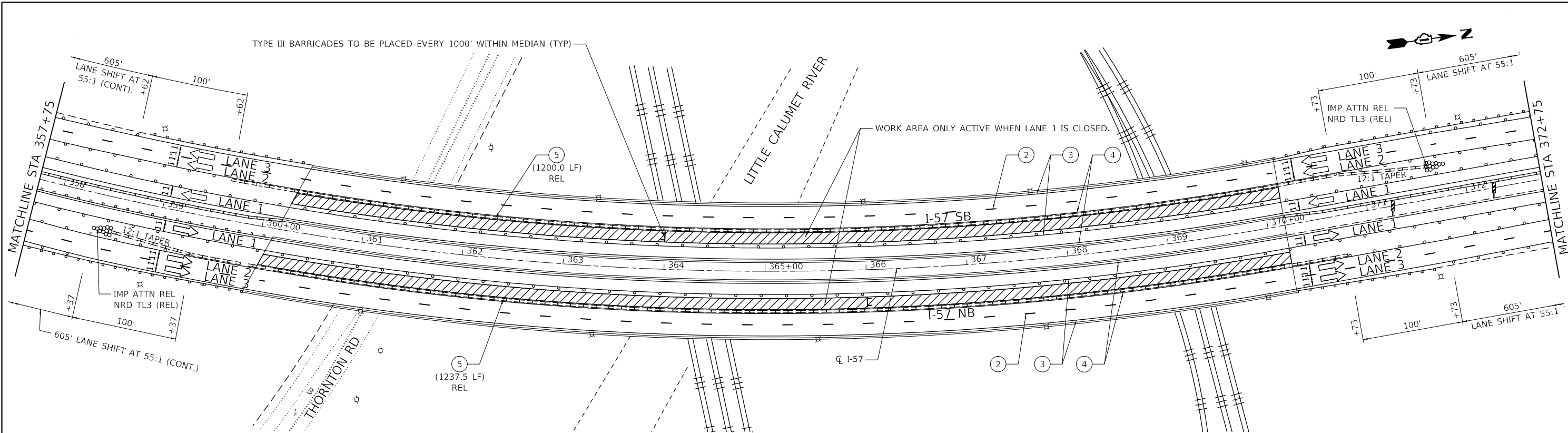
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC STAGE 2 - NON-ACTIVE WORK AREA</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	15
CONTRACT NO. 62K21				
		ILLINOIS	FED. AID PROJECT	

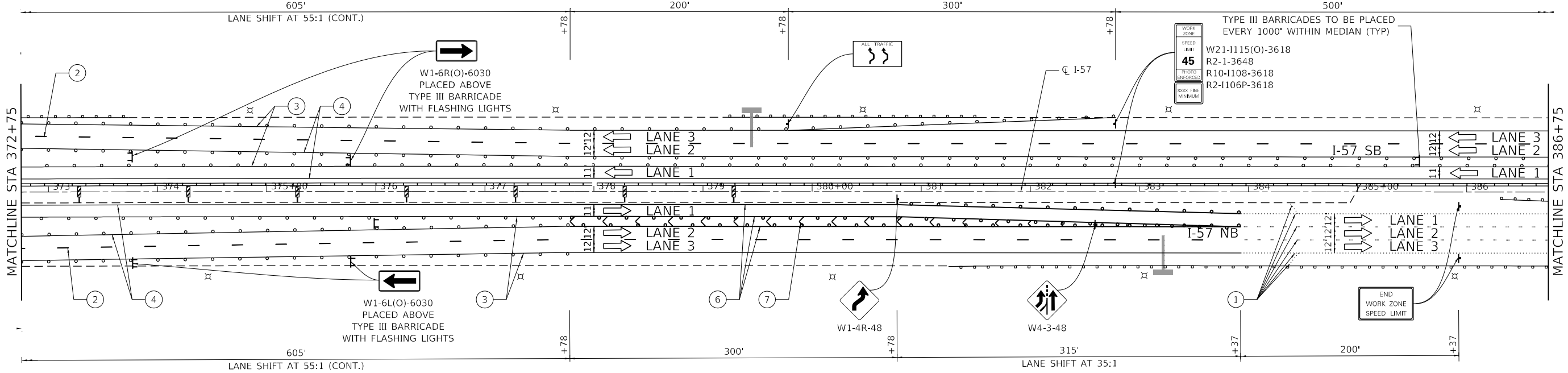






**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TAPERS
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- ARROW BOARD
- VERTICAL PANELS AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE CHEVRON MARKING SPACED 30' C-C)



MODEL: D:\asf\...  
 FILE NAME: 2119038.01 IDOT D1 PFB192-007 W001 I-57 Bridge Repair\DCM\Design\Prelim\Rebarricades\62K21-157-2019-03-22.dgn

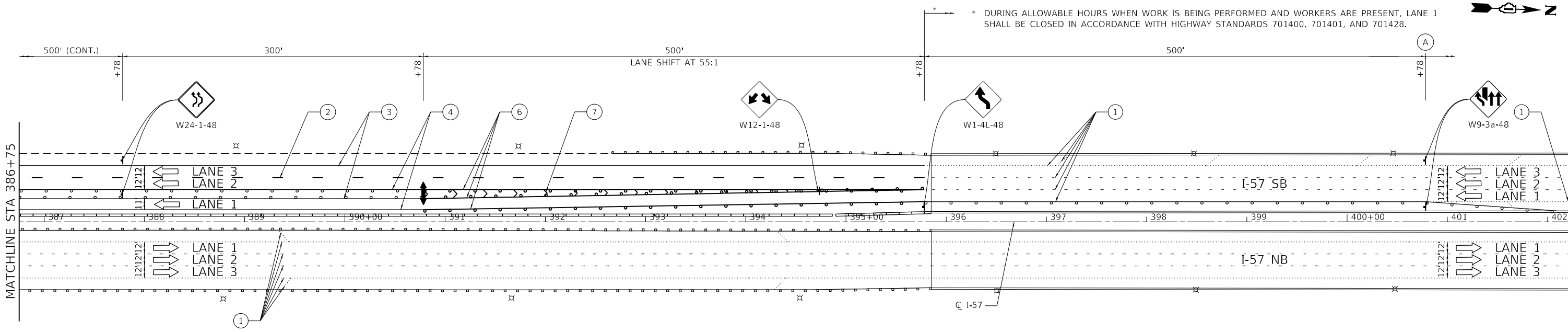
USER NAME = JBerggren	DESIGNED - RG	REVISED -
DRAWN - JB	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

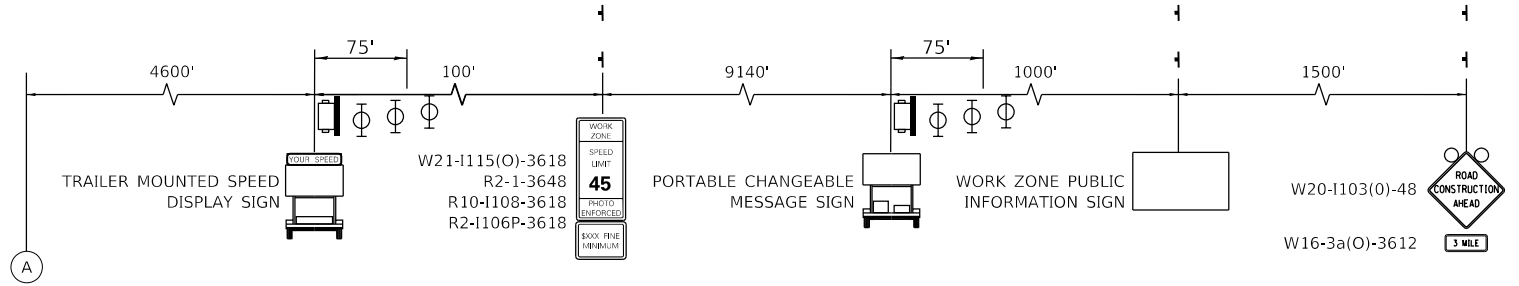
<b>MAINTENANCE OF TRAFFIC STAGE 3 - NON-ACTIVE WORK AREA</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	17
CONTRACT NO. 62K21				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA 386+75



**ADVANCED SIGNING DETAIL - I-57 SOUTHBOUND**



**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TAPERS
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- ARROW BOARD
- VERTICAL PANELS AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY CONCRETE BARRIER WALL / BARRIER WALL REFLECTORS, TYPE C
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE CHEVRON MARKING SPACED 30' C-C)

MODEL: D:\draft\... FILE NAME: 20190308.01 IDOT D1 PFB192-007 W001 I-57 Bridge Repair Design Prelim\Bschets\0162K21-1-1st-stage\pfs-53-03.dgn

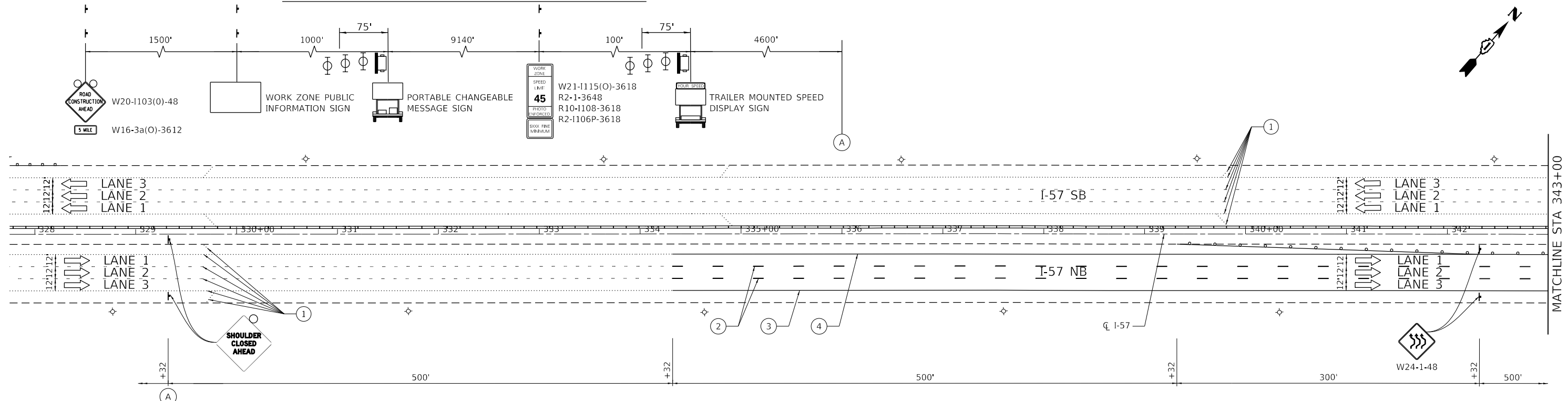
USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/31/2020	DATE - 12/13/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC STAGE 3 - NON-ACTIVE WORK AREA</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

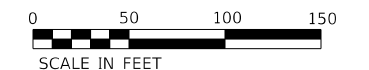
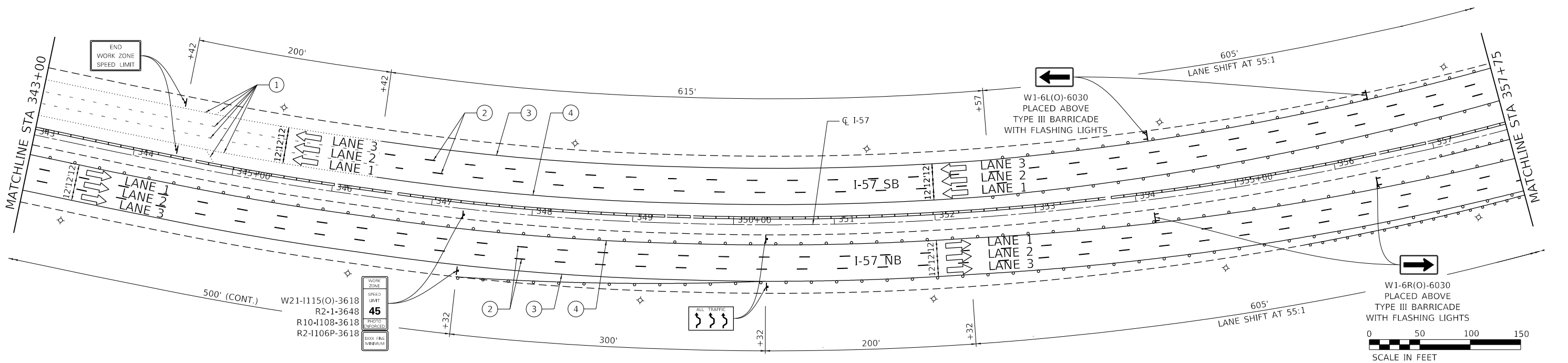
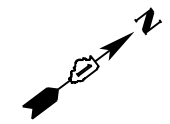
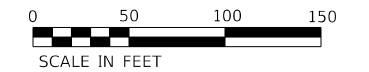
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	18
CONTRACT NO. 62K21				
		ILLINOIS	FED. AID PROJECT	

### ADVANCED SIGNING DETAIL - I-57 NORTHBOUND



#### LEGEND

- WORK AREA
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TAPERS
- TYPE III BARRICADE
- IMPACT ATTENUATOR
- DRUM OR TYPE II BARRICADE W/ MONO-DIRECTIONAL STEADY BURNING LIGHT AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- ARROW BOARD
- VERTICAL PANELS AT 100' C-C SPACING IN TANGENTS, AND 50' C-C SPACING IN TAPERS
- EX. PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 5" (10' DASH - 30' SKIP WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- TEMPORARY CONCRETE BARRIER WALL W/ BARRIER WALL REFLECTORS, TYPE C
- PAVEMENT MARKING TAPE TYPE IV - LINE 8" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 12" (WHITE CHEVRON MARKING SPACED 30' C-C)



MODEL: D:\cadd\11\0308.01\DOT\01\1103192-007\W001\_1-57\_Bridge\_Repair\Design\Plan\Bch\sheet\0162K21-1-1b-adv.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -
	DRAWN - JB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISED -

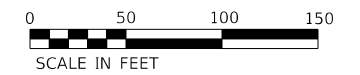
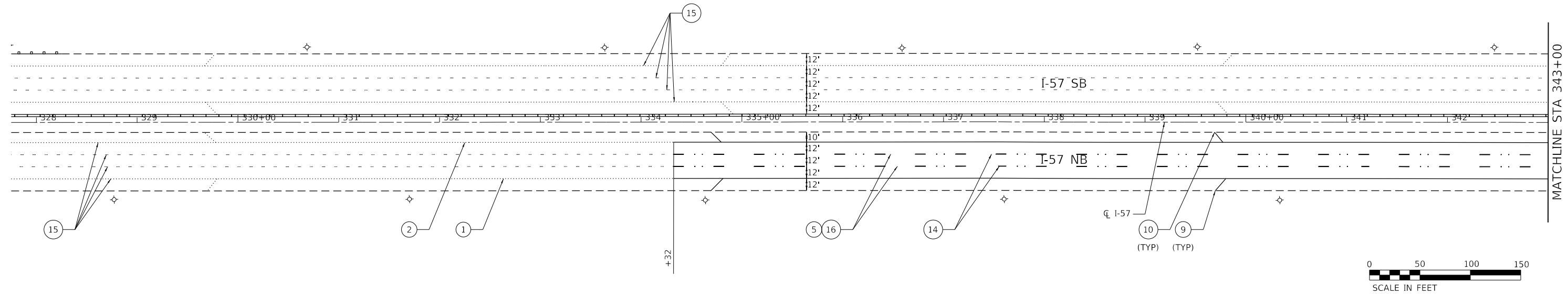
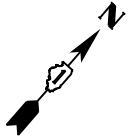
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAINTENANCE OF TRAFFIC STAGE 4</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	19
CONTRACT NO. 62K21				
ILLINOIS FED. AID PROJECT				

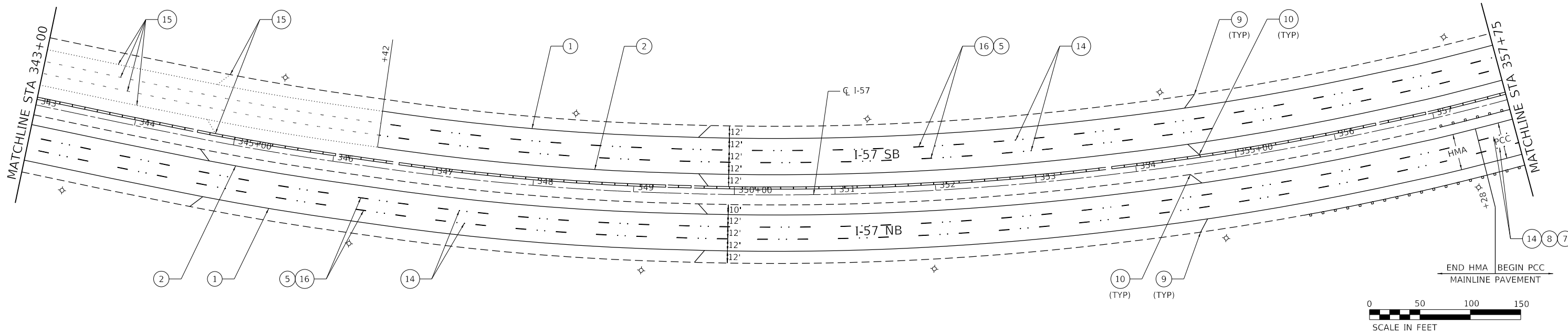






**PAVEMENT MARKING LEGEND**

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li>① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)</li> <li>② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)</li> <li>③ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)</li> <li>④ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)</li> <li>⑤ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (10' - DASH, 30' - SKIP, WHITE)</li> </ul> | <ul style="list-style-type: none"> <li>⑦ CONTRAST PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8" (10' - DASH, 30' - SKIP, WHITE)</li> <li>⑧ GROOVING FOR RECESSED PAVEMENT MARKINGS 9"</li> <li>⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (45° DIAGONAL, WHITE)</li> <li>⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (45° DIAGONAL, YELLOW)</li> </ul> | <ul style="list-style-type: none"> <li>⑪ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (45° DIAGONAL, WHITE)</li> <li>⑫ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (45° DIAGONAL, YELLOW)</li> <li>⑬ NOT USED</li> <li>⑭ REPLACEMENT REFLECTORS</li> </ul> | <ul style="list-style-type: none"> <li>⑮ EXISTING PAVEMENT MARKINGS</li> <li>⑯ GROOVING FOR RECESSED PAVEMENT MARKING, 6"</li> </ul> |
|--|--|---|--|



MODEL: D:\p1\120338.01\DOT D1\_PFB1192-007\_W001\_I-57\_Bridge\_Repair\DCM\Design\Prelim\Recharts\162K21-1-1b-amb-c01.dgn  
 FILE NAME: 21\_120338.01 DOT D1\_PFB1192-007\_W001\_I-57\_Bridge\_Repair\DCM\Design\Prelim\Recharts\162K21-1-1b-amb-c01.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -
DRAWN - JB	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISOR -
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISOR -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**I-57 OVER LITTLE CALUMET AND THORNTON RD  
 PAVEMENT MARKING PLAN**

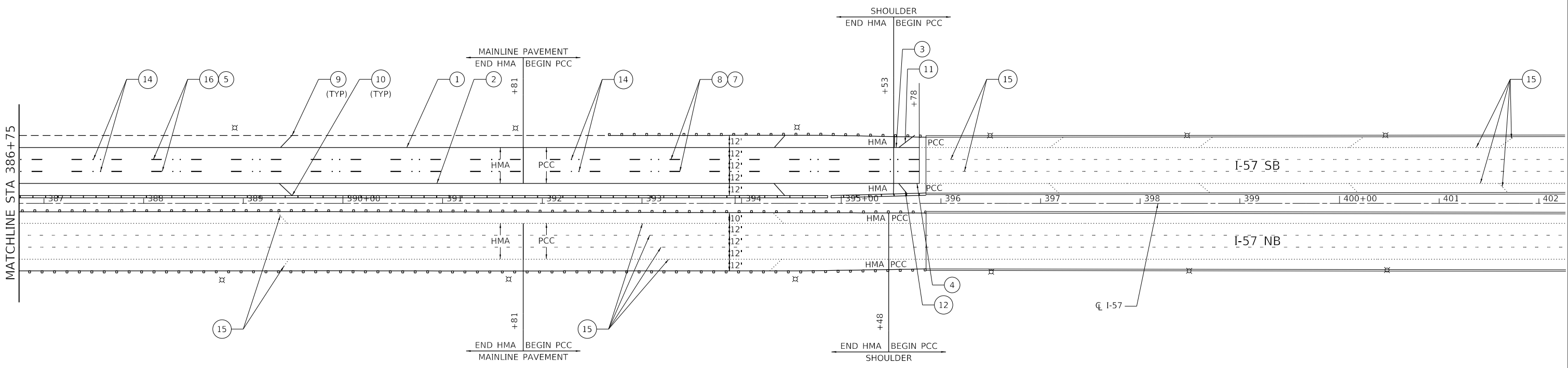
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	22
CONTRACT NO. 62K21				
ILLINOIS FED. AID PROJECT				





MATCHLINE STA 386+75



**PAVEMENT MARKING LEGEND**

- |  |  |   |  |
|--|--|---|--|
| <ul style="list-style-type: none"> <li>① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)</li> <li>② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)</li> <li>③ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)</li> <li>④ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)</li> <li>⑤ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5" (10' - DASH, 30' - SKIP, WHITE)</li> </ul> | <ul style="list-style-type: none"> <li>⑦ CONTRAST PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8" (10' - DASH, 30' - SKIP, WHITE)</li> <li>⑧ GROOVING FOR RECESSED PAVEMENT MARKINGS 9"</li> <li>⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (45° DIAGONAL, WHITE)</li> <li>⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (45° DIAGONAL, YELLOW)</li> </ul> | <ul style="list-style-type: none"> <li>⑪ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (45° DIAGONAL, WHITE)</li> <li>⑫ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (45° DIAGONAL, YELLOW)</li> <li>⑬ NOT USED</li> <li>⑭ REPLACEMENT REFLECTORS</li> </ul> | <ul style="list-style-type: none"> <li>⑮ EXISTING PAVEMENT MARKINGS</li> <li>⑯ GROOVING FOR RECESSED PAVEMENT MARKING, 6"</li> </ul> |
|--|--|---|--|

MODEL: D:\p\190308.01 IDOT D1 PFB192-007 W001 I-57 Bridge Repair\DCM\Design\Prelim\Revised\162K21-1-18t-amb-03.dgn  
FILE NAME: 21190308.01 IDOT D1 PFB192-007 W001 I-57 Bridge Repair\DCM\Design\Prelim\Revised\162K21-1-18t-amb-03.dgn

USER NAME = JBerggren	DESIGNED - RG	REVISED -
DRAWN - JB	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 1/30/2020	DATE - 12/13/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-57 OVER LITTLE CALUMET AND THORNTON RD  
PAVEMENT MARKING PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

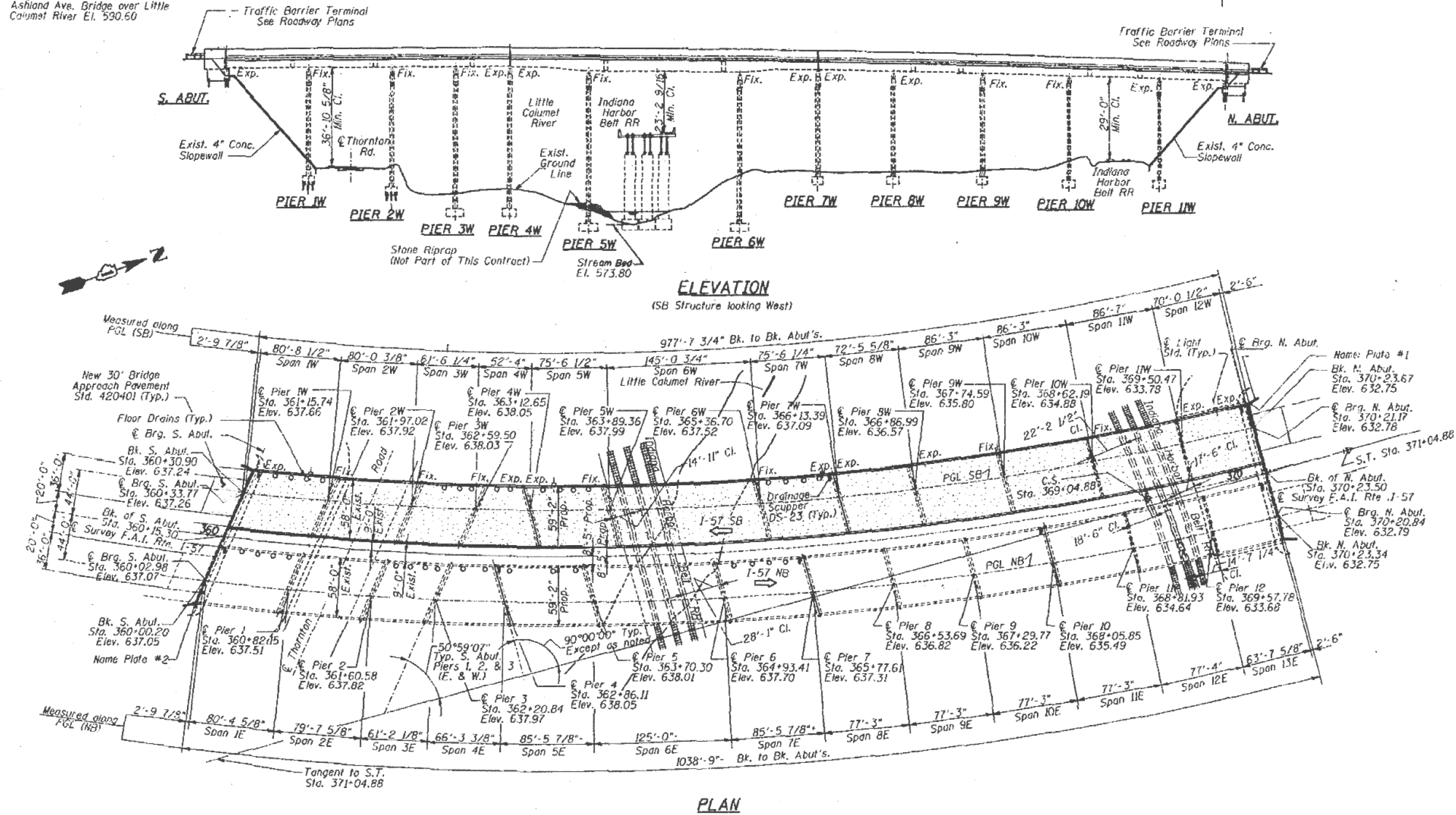
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K21	





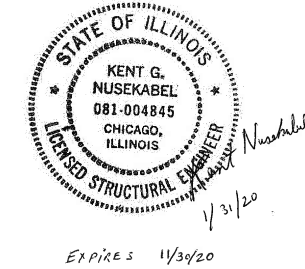
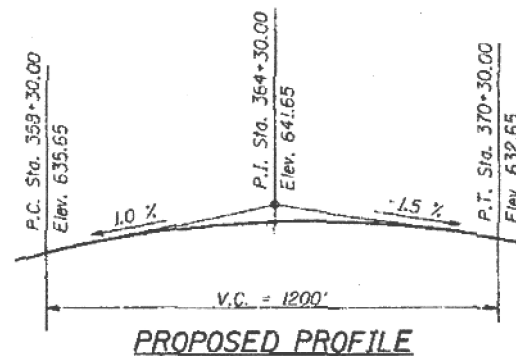
**BENCH MARK:**

Square Cut South West Abutment  
Wingwall North of Thornton Road.  
Ashland Ave. Bridge over Little  
Calumet River El. 590.60



**SCOPE OF WORK**

1. Scarify bridge deck and install Bridge Deck Thin Polymer Overlay.
2. Remove existing neoprene joint, clean joint, install Polymer Concrete in abandoned block-outs and install Preformed Pre-compressed, Silicone Coated, Self-Expanding Sealant System at N. and S. Abutments, and above Piers 4W and 7W.
3. Remove and replace 4" PJS at N. and S. approach slabs.
4. Clean both traffic and top faces of bridge parapets and apply Protective Coat.
5. Structural Repair of Concrete substructure piers.



**LEGEND**

Bridge Deck Thin Polymer Overlay

MODEL: Default  
FILE NAME: I:\CHIPR\000016917\03\_CADD\01\_Sheets\Structural\0160060\_61-62K21-002-GPE.dgn  
1/30/2020 11:55:12 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME = RBASTANFABIAN	DESIGNED - GWS	REVISED -
PLOT SCALE = 120:0" / 1 in.	CHECKED - KGN	REVISED -
PLOT DATE = 1/30/2020	DRAWN - JFB	REVISED -
	CHECKED - KGN	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-57 (SB) OVER LITTLE CALUMET RIVER  
GENERAL PLAN & ELEVATION, STRUCTURE NO. 016-0061

SHEET 2 OF 14 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	26
CONTRACT NO. 62K21			ILLINOIS FED. AID PROJECT	

**GENERAL NOTES**

- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Structural Repair of Concrete (Depth equal to or less than 5 inches).
- The Contractor shall field verify location of existing utilities prior to construction. The Contractor shall take precautions not to damage existing utilities. Any such damage shall be repaired by the Contractor at no additional cost.
- Before performing any concrete repair, the Contractor shall call J.U.L.I.E. (800) 892-0123 for field locations of buried electric, telephone and gas utilities in areas of proposed repair. (48 hours notification is required).
- The Contractor shall be aware that some locations may have electrical conduits and/or fiberglass drain pipes.
- The removal and reinstallation of drain pipes affected by the work will not be paid for separately, but the cost shall be considered as included in the contract unit price for the construction items involved, and no additional compensation will be allowed.
- Any damages to the conduits or pipes caused by the Contractor's operations shall be replaced or repaired by the Contractor at his/her expense.
- Locations for Structural Repair of Concrete (Depth equal to or less than 5 inches) will be determined in the field by the Engineer.
- These plans have been prepared from notes received from the Bureau of Maintenance bridge inspectors.
- Do not scale plans for construction dimensions.
- The work to remove and dispose of the existing Neoprene Expansion Joint is included in the cost of the new Preformed Joint Seal at the specific location.

**INDEX OF DRAWINGS**

SHEET NO.	TITLE
S-1	General Plan & Elevation, Structure No. 016-0060
S-2	General Plan & Elevation, Structure No. 016-0061
S-3	General Notes & Total Bill Of Material
S-4	Construction Staging - 1
S-5	Construction Staging - 2
S-6	Deck Plan - 1
S-7	Deck Plan - 2
S-8	Joint Details
S-9	Pier 1E, 2E & 3E Repairs
S-10	Pier 4E, 5E & 6E Repairs
S-11	Pier 7E & 10E Repairs
S-12	Pier 11E Repairs
S-13	Pier 1W & 4W Repairs
S-14	Pier 6W & 7W Repairs

**BILL OF MATERIAL**

NORTHBOUND I-57, SN 016-0060				
ITEM	UNIT	SUPER	SUB	TOTAL
Protective Coat	Sq. Yd.	1,012	-	1,012
Preformed Joint Seal, 1 1/4"	Foot	60	-	60
Preformed Joint Seal, 1 3/4"	Foot	59	-	59
Clean and Reseal Relief Joint	Foot	117	-	117
Preformed Joint Seal, 2 1/2"	Foot	59	-	59
Preformed Joint Seal, 3 1/2"	Foot	61	-	61
Preformed Joint Seal, 3"	Foot	60	-	60
Concrete Bridge Deck Scarification 3/8 inch	Sq. Yd.	6,419	-	6,419
Bridge Deck Thin Polymer Overlay 3/8"	Sq. Yd.	6,419	-	6,419
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	-	908	923
Polymer Concrete	Cu. Ft.	35	-	35
Temporary Shoring and Cribbing	Each	3	-	3
Railroad Protective Liability Insurance	L Sum	-	-	1

**BILL OF MATERIAL**

SOUTHBOUND I-57, SN 016-0061				
ITEM	UNIT	SUPER	SUB	TOTAL
Protective Coat	Sq. Yd.	960	-	960
Preformed Joint Seal, 1 3/4"	Foot	63	-	63
Preformed Joint Seal, 2 1/2"	Foot	59	-	59
Preformed Joint Seal, 4"	Foot	60	-	60
Clean and Reseal Relief Joint	Foot	125	-	125
Preformed Joint Seal, 3 1/2"	Foot	61	-	61
Concrete Bridge Deck Scarification 3/8 inch	Sq. Yd.	6,094	-	6,094
Bridge Deck Thin Polymer Overlay 3/8"	Sq. Yd.	6,094	-	6,094
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq. Ft.	-	330	330
Polymer Concrete	Cu. Ft.	28	-	28
Temporary Shoring and Cribbing	Each	1	-	1

MODEL: Default  
FILE NAME: I:\CH\PR\1000016917\03\_CADD\01\_Sheets\Structural\0160060\_61-62\K21-001-GENNOTES.dgn

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

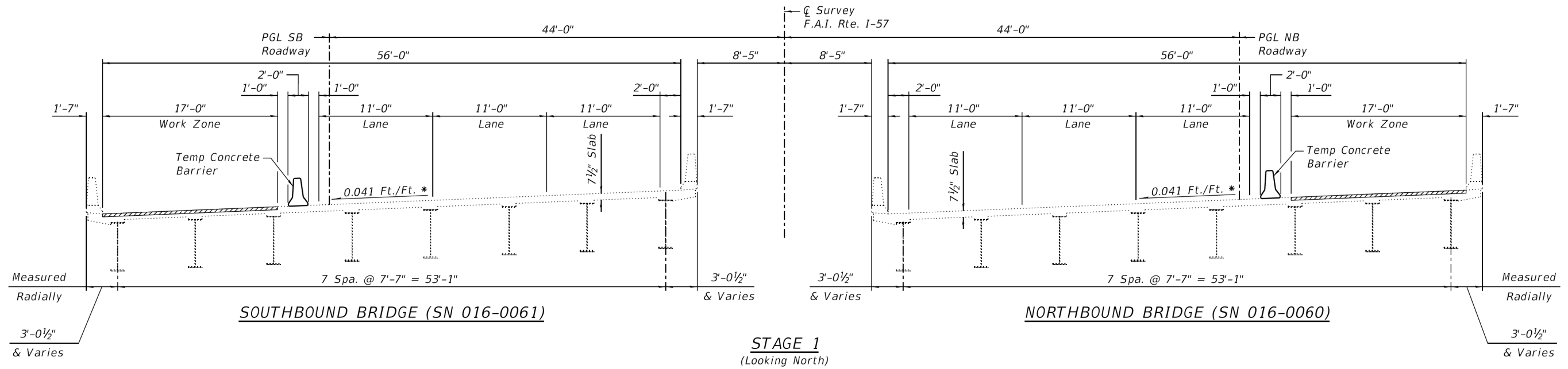
USER NAME = RBASTANFABIAN	DESIGNED - GWS	REVISED -
CHECKED - KGN	REVISIONS -	
PLOT SCALE = 0:2" = 1"	DRAWN - JFB	REVISED -
PLOT DATE = 1/30/2020	CHECKED - KGN	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

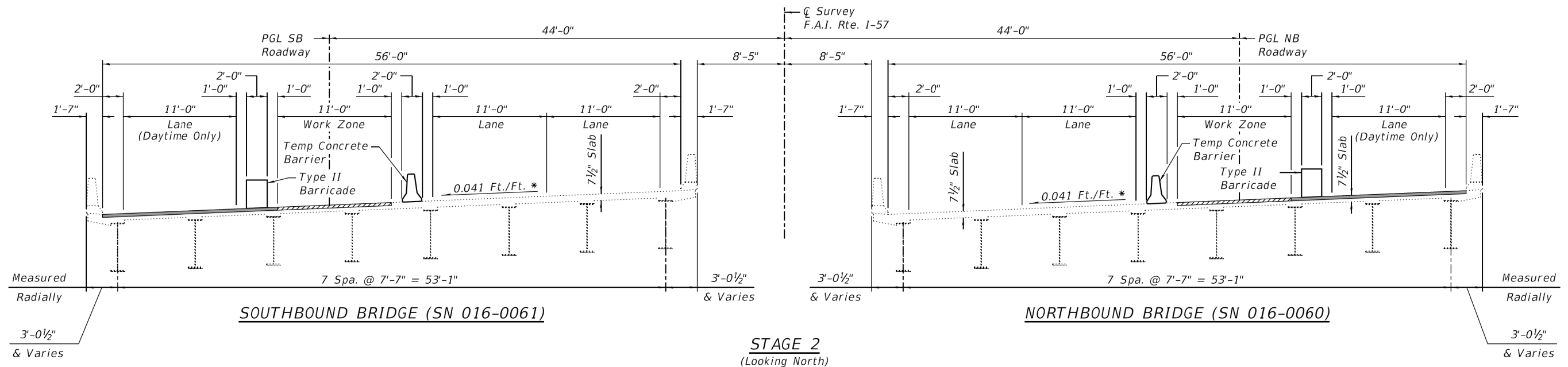
**I-57 OVER LITTLE CALUMET RIVER  
GENERAL NOTES & TOTAL BILL OF MATERIAL**

SHEET 3 OF 14 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	27
ILLINOIS			FED. AID PROJECT	



**STAGE 1**  
(Looking North)



**STAGE 2**  
(Looking North)

\* Typical From Sta. 360+15.30 to Sta. 369+04.88.  
Varies From Sta. 369+04.88 to Sta. 370+23.50.

**LEGEND**

- 3/8" Scarification.
- Completed Polymer Overlay.

MODEL: Default  
FILE NAME: I:\CH\PR\1000016917\03\_CADD\01\_Sheets\Structural\0160060\_61-62K21-001-STAGING.dgn  
1/30/2020 11:55:27 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

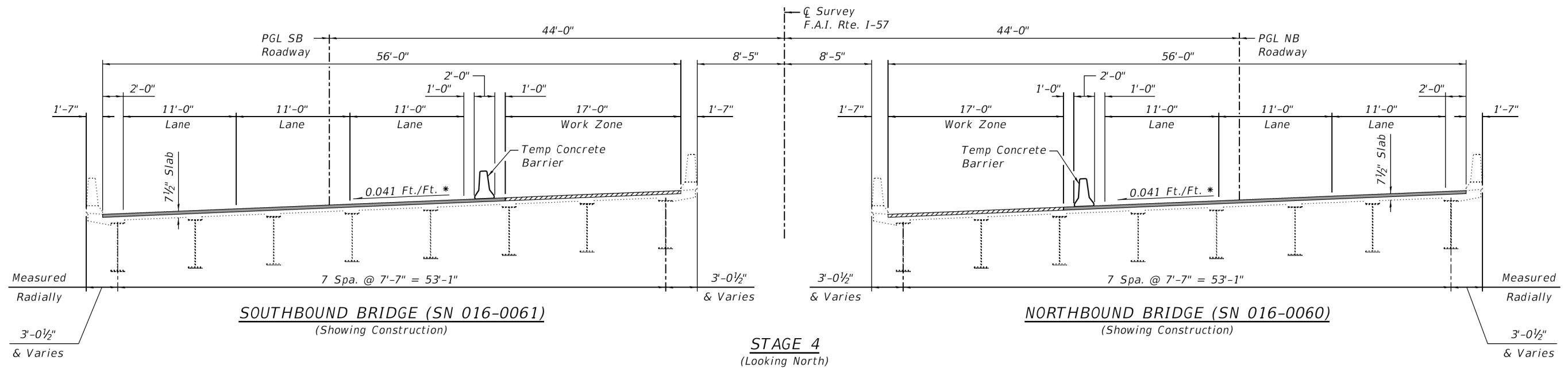
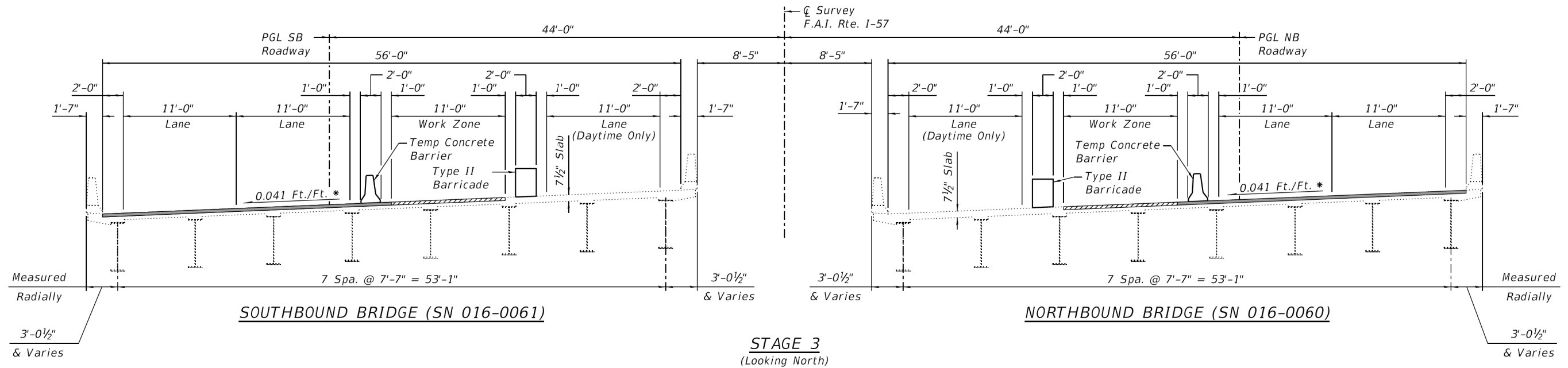
USER NAME =	RBASTANFABIAN	DESIGNED -	RBF	REVISED -	
PLOT SCALE =	10:8" = 1"	CHECKED -	KGN	REVISED -	
PLOT DATE =	1/30/2020	DRAWN -	JFB	REVISED -	
		CHECKED -	KGN	REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-57 OVER LITTLE CALUMET RIVER**  
**CONSTRUCTION STAGING - 1**

SHEET 4 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	28
ILLINOIS			FED. AID PROJECT	



\* Typical From Sta. 360+15.30 to Sta. 369+04.88.  
Varies From Sta. 369+04.88 to Sta. 370+23.50.

**LEGEND**

- 3/8" Scarification.
- Completed Polymer Overlay.

MODEL: Default  
FILE NAME: I:\CHIPR\100001691703\_CADD\01\_Sheets\Structural\0160060\_61-62K21-002-STAGING.dgn  
1/30/2020 11:55:34 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

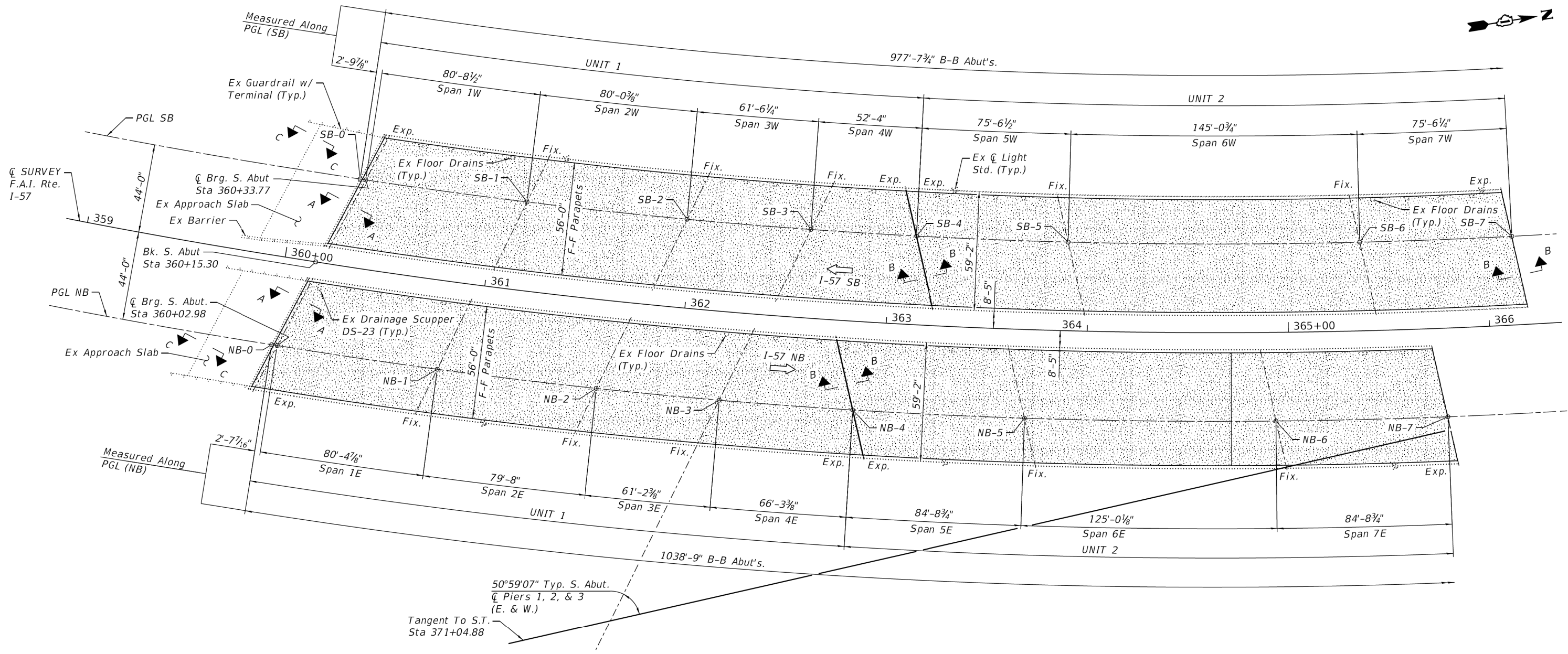
USER NAME =	RBASTANFABIAN	DESIGNED -	RBF	REVISED -	
PLOT SCALE =	10:8" = 1" / In.	CHECKED -	KGN	REVISED -	
PLOT DATE =	1/30/2020	DRAWN -	JFB	REVISED -	
		CHECKED -	KGN	REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-57 OVER LITTLE CALUMET RIVER**  
**CONSTRUCTION STAGING - 2**

SHEET 5 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	29
CONTRACT NO. 62K21				
ILLINOIS		FED. AID PROJECT		



DECK PLAN

NORTHBOUND I-57 PGL STATIONING		
POINT	LOCATION	STATION*
NB-0	Bk/S. Abut.	360+00.20
NB-1	☐ Pier 1E	360+82.15
NB-2	☐ Pier 2E	361+60.58
NB-3	☐ Pier 3E	362+20.84
NB-4	☐ Pier 4E	362+86.11
NB-5	☐ Pier 5E	363+70.30
NB-6	☐ Pier 6E	364+93.41
NB-7	☐ Pier 7E	365+77.61

\* For information only, stationing from historical plans

SOUTHBOUND I-57 PGL STATIONING		
POINT	LOCATION	STATION*
SB-0	Bk/S. Abut.	360+30.90
SB-1	☐ Pier 1W	361+15.74
SB-2	☐ Pier 2W	361+97.02
SB-3	☐ Pier 3W	362+59.50
SB-4	☐ Pier 4W	363+12.65
SB-5	☐ Pier 5W	363+89.36
SB-6	☐ Pier 6W	365+36.70
SB-7	☐ Pier 7W	366+13.39

\* For information only, stationing from historical plans

LEGEND

- ☐ Ex Floor Drains
- ☐ Ex Drainage Scupper
- ☐ Ex Light Poles
- ▨ Bridge Deck Thin Polymer Overlay

NOTES:

1. For Section A-A, B-B and C-C see S-8.
2. Measurements shown are ±, verify in field.

MODEL: Default  
 FILE NAME: I:\CHIPR\1000016917\03\_CADD\01\_Sheets\Structural\0160060\_61-62K21-001-DECKPLAN.dgn  
 1/30/2020 11:55:42 AM

**LOCHNER**  
 CONSULTING ENGINEERS & PLANNERS  
 225 WEST WASHINGTON STREET 12TH FLOOR  
 CHICAGO, IL 60606  
 312-372-3011 (P) / 312-372-5974 (F)

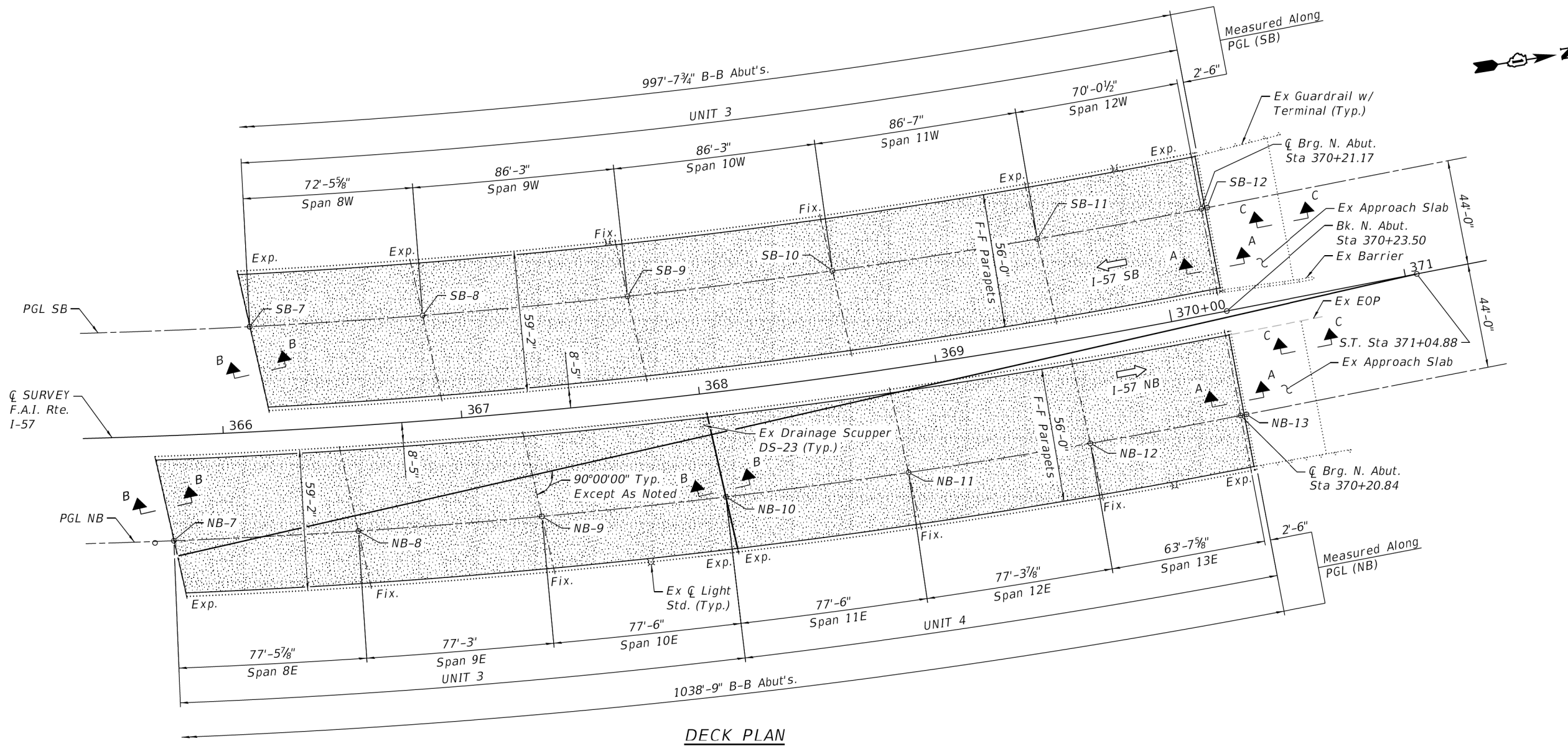
USER NAME =	RBASTANFABIAN	DESIGNED -	GWS	REVISED -	
PLOT SCALE =	50:0'"/In.	CHECKED -	KGN	REVISED -	
PLOT DATE =	1/30/2020	DRAWN -	JFB	REVISED -	
		CHECKED -	KGN	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

I-57 OVER LITTLE CALUMET RIVER  
 DECK PLAN - 1

SHEET 6 OF 14 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	30
CONTRACT NO. 62K21			ILLINOIS FED. AID PROJECT	



NORTHBOUND I-57 PGL STATIONING		
POINT	LOCATION	STATION *
NB-7	☐ Pier 7E	365+77.61
NB-8	☐ Pier 8E	366+53.69
NB-9	☐ Pier 9E	367+29.77
NB-10	☐ Pier 10E	368+05.85
NB-11	☐ Pier 11E	368+81.93
NB-12	☐ Pier 12E	369+57.78
NB-13	Bk/N. Abut.	370+23.34

\* For information only, stationing from historical plans

SOUTHBOUND I-57 PGL STATIONING		
POINT	LOCATION	STATION *
SB-7	☐ Pier 7W	366+13.39
SB-8	☐ Pier 8W	366+86.99
SB-9	☐ Pier 9W	367+74.59
SB-10	☐ Pier 10W	368+62.19
SB-11	☐ Pier 11W	369+50.47
SB-12	Bk/N. Abut.	370+23.67

\* For information only, stationing from historical plans

**BILL OF MATERIAL**

NORTHBOUND I-57, SN 016-0060		
ITEM	UNIT	QUANTITY
Protective Coat	Sq Yd.	1,012
Preformed Joint Seal, 4"	Foot	180
Clean and Reseal Relief Joint	Foot	117
Preformed Joint Seal, 2"	Foot	118
Concrete Bridge Deck	Sq. Yd.	6,419
Scarification 3/8 inch	Sq. Yd.	6,419
Bridge Deck Thin Polymer Overlay 3/8"	Sq. Yd.	6,419
Polymer Concrete	Cu. Ft.	35

**BILL OF MATERIAL**

SOUTHBOUND I-57, SN 016-0061		
ITEM	UNIT	QUANTITY
Protective Coat	Sq Yd.	960
Clean and Reseal Relief Joint	Foot	120
Preformed Joint Seal, 2"	Foot	125
Preformed Joint Seal, 4"	Foot	122
Concrete Bridge Deck	Sq. Yd.	6,094
Scarification 3/8 inch	Sq. Yd.	6,094
Bridge Deck Thin Polymer Overlay 3/8"	Sq. Yd.	6,094
Polymer Concrete	Cu. Ft.	28

**LEGEND**

- ☐ Ex Floor Drains
- ☐ Ex Drainage Scupper
- ☐ Ex Light Poles
- ☐ Bridge Deck Thin Polymer Overlay

**NOTES:**

1. For Section A-A, B-B and C-C see S-8.
2. Measurements shown are ±, verify in field.

MODEL: Default  
FILE NAME: I:\CH\PR\1000016917\03\_CADD\01\_Sheets\Structural\0160060\_61-62\K21-002-DECKPLAN.dgn  
1/30/2020 11:55:49 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

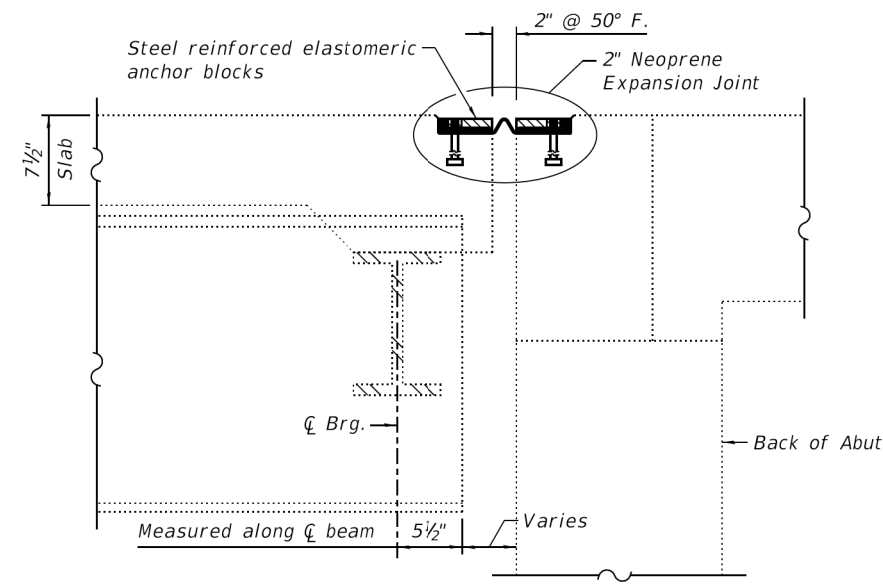
USER NAME = RBASTANFABIAN	DESIGNED - GWS	REVISED -
PLOT SCALE = 50:0'"/in.	CHECKED - KGN	REVISED -
PLOT DATE = 1/30/2020	DRAWN - JFB	REVISED -
	CHECKED - KGN	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

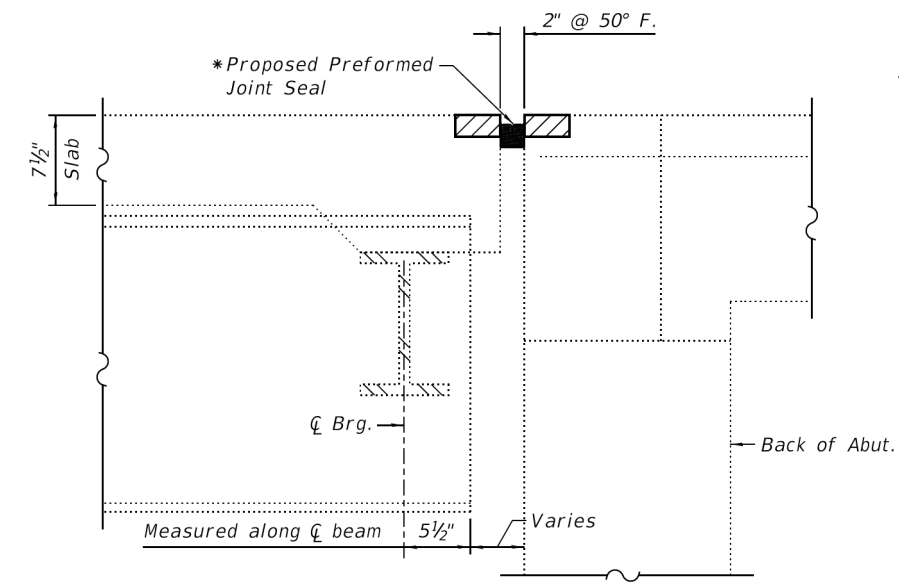
**I-57 OVER LITTLE CALUMET RIVER  
DECK PLAN - 2**

SHEET 7 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	31
ILLINOIS			CONTRACT NO. 62K21	
FED. AID PROJECT				

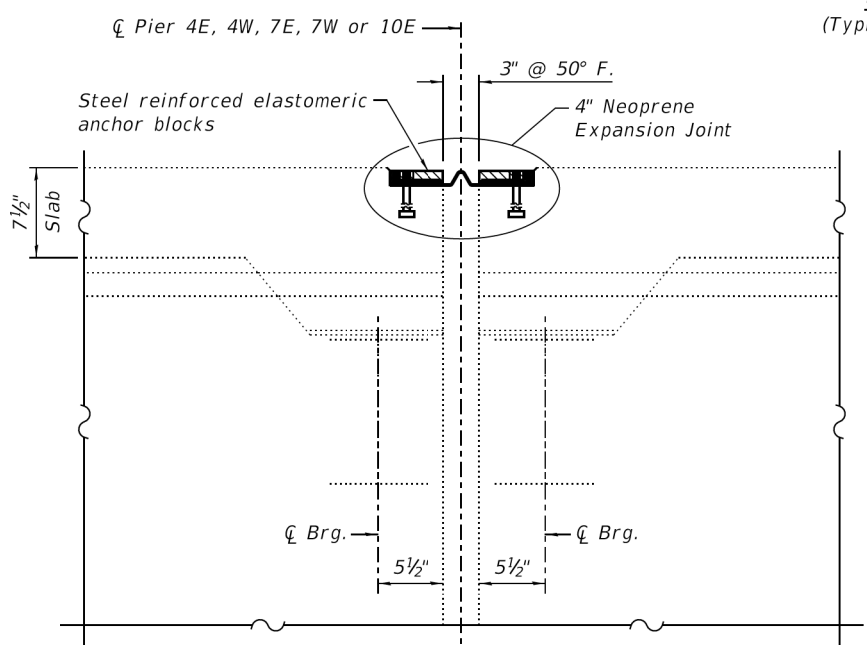


EXISTING

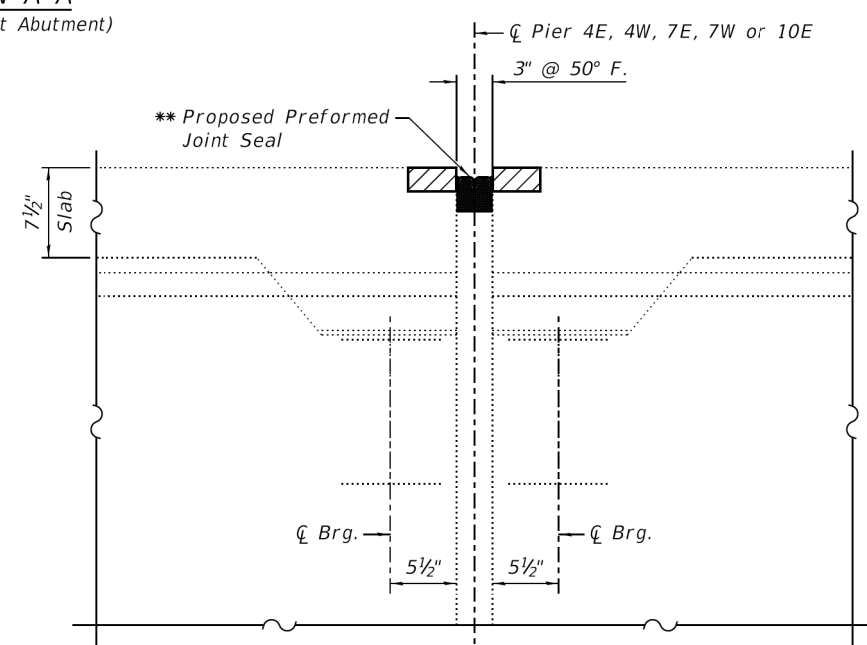


PROPOSED

- \* 1 3/4" - S.A. (NB & SB)
- 1 1/4" - N.A. (NB)
- 2 1/2" - N.A. (SB)

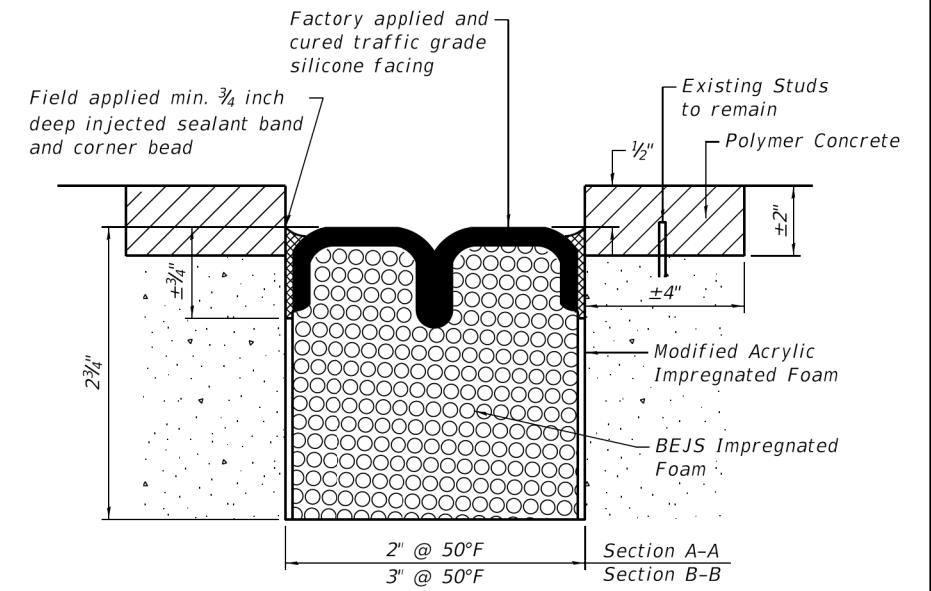


EXISTING

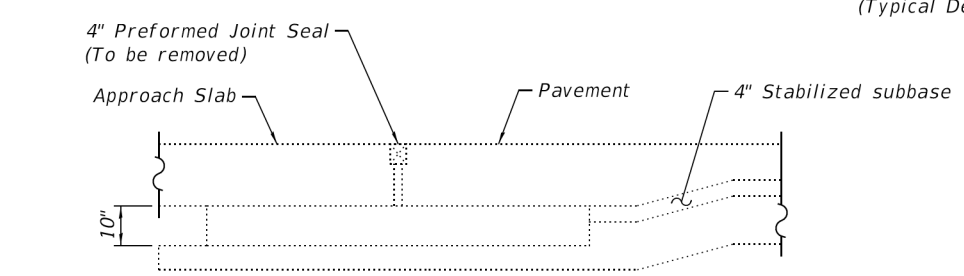


PROPOSED

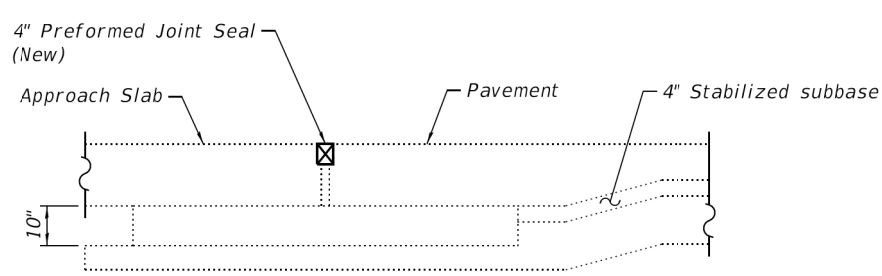
- \*\* 2 3/4" - Pier 10E
- 3" - Pier 7E
- 3 1/2" - Pier 4E & 4W
- 4" - Pier 7W



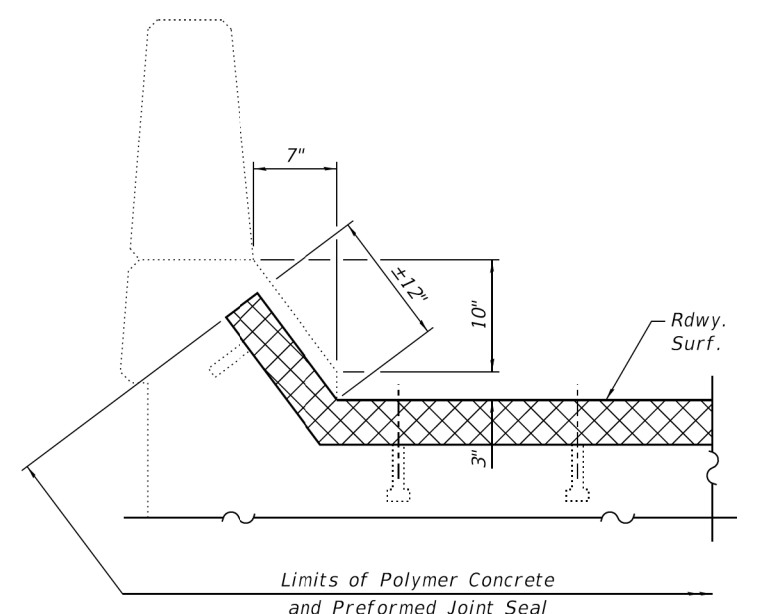
PREFORMED JOINT SEAL



EXISTING



PROPOSED



AT PARAPET

MODEL: Default  
FILE NAME: I:\CHIPR\100001691703\_CADD\01\_Sheets\Structural\0160060\_61-62K21-001-ITD.TLS.dgn  
1/30/2020 11:55:57 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME =	RBASTANFABIAN	DESIGNED -	RBF	REVISED -	
PLOT SCALE =	1/4" = 1' / in.	CHECKED -	KGN	REVISED -	
PLOT DATE =	1/30/2020	DRAWN -	JFB	REVISED -	
		CHECKED -	KGN	REVISED -	

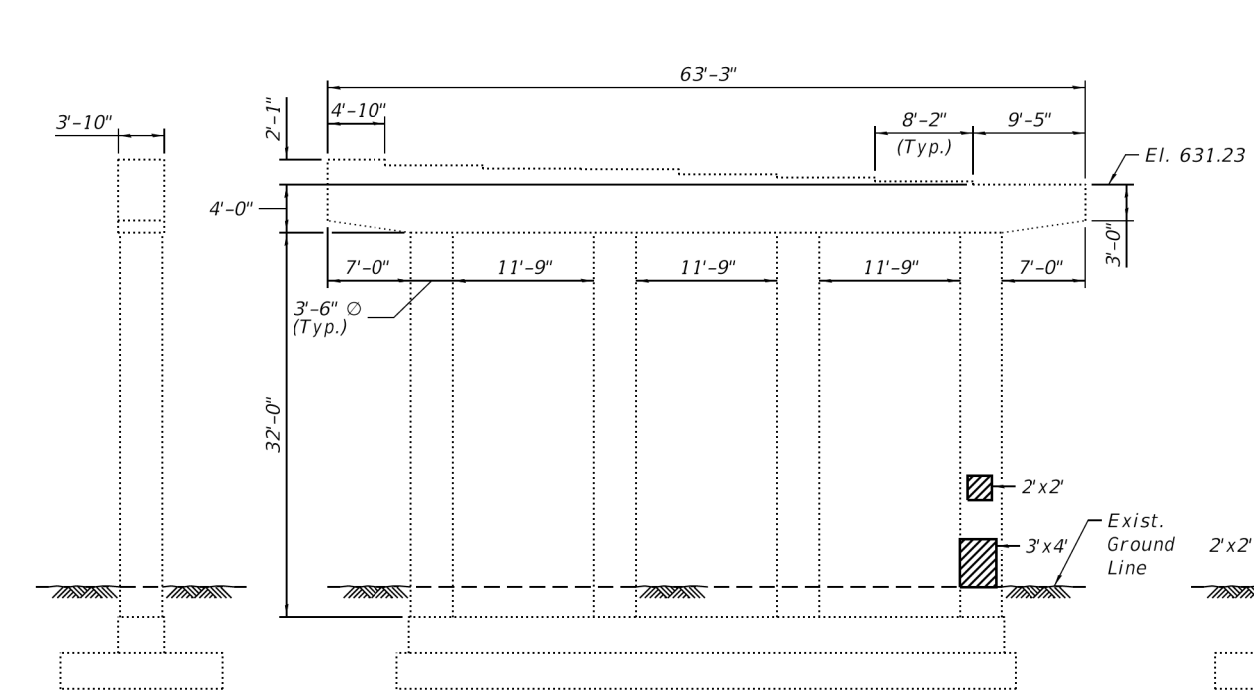
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-57 OVER LITTLE CALUMET RIVER  
JOINT DETAILS

SHEET 8 OF 14 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	32
CONTRACT NO. 62K21				
ILLINOIS FED. AID PROJECT				



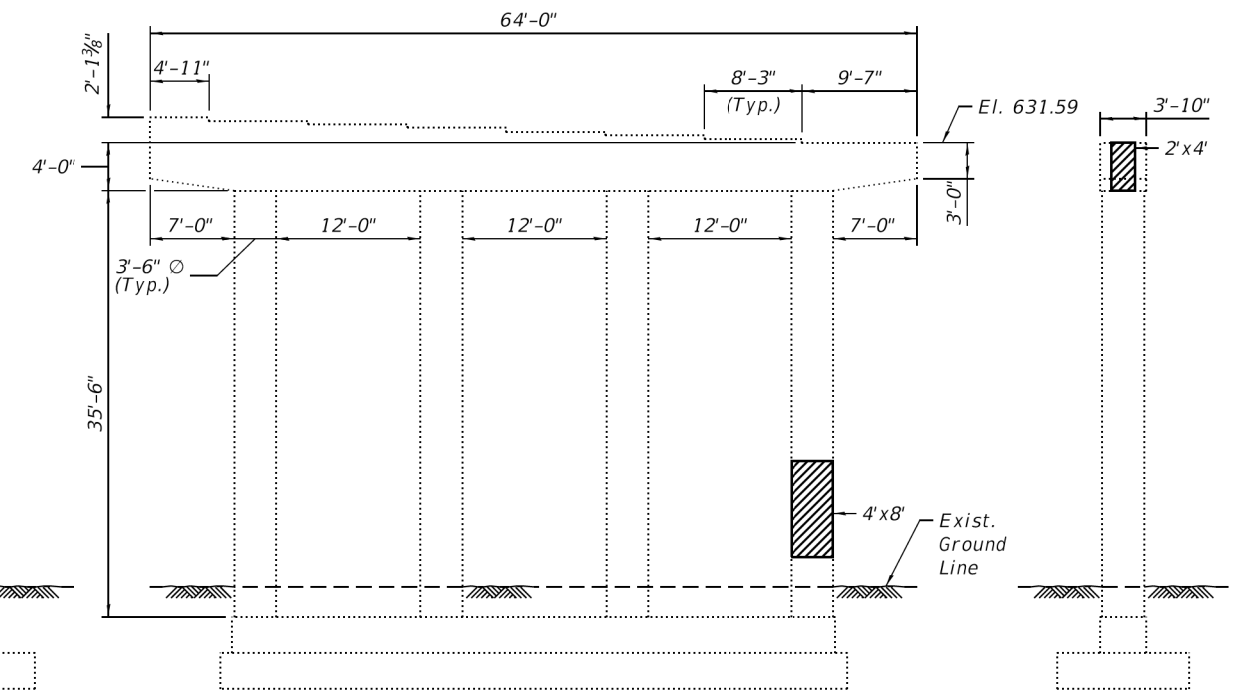


**END**  
(Pier 1E Looking West)

**ELEVATION**  
(Pier 1E Looking South)

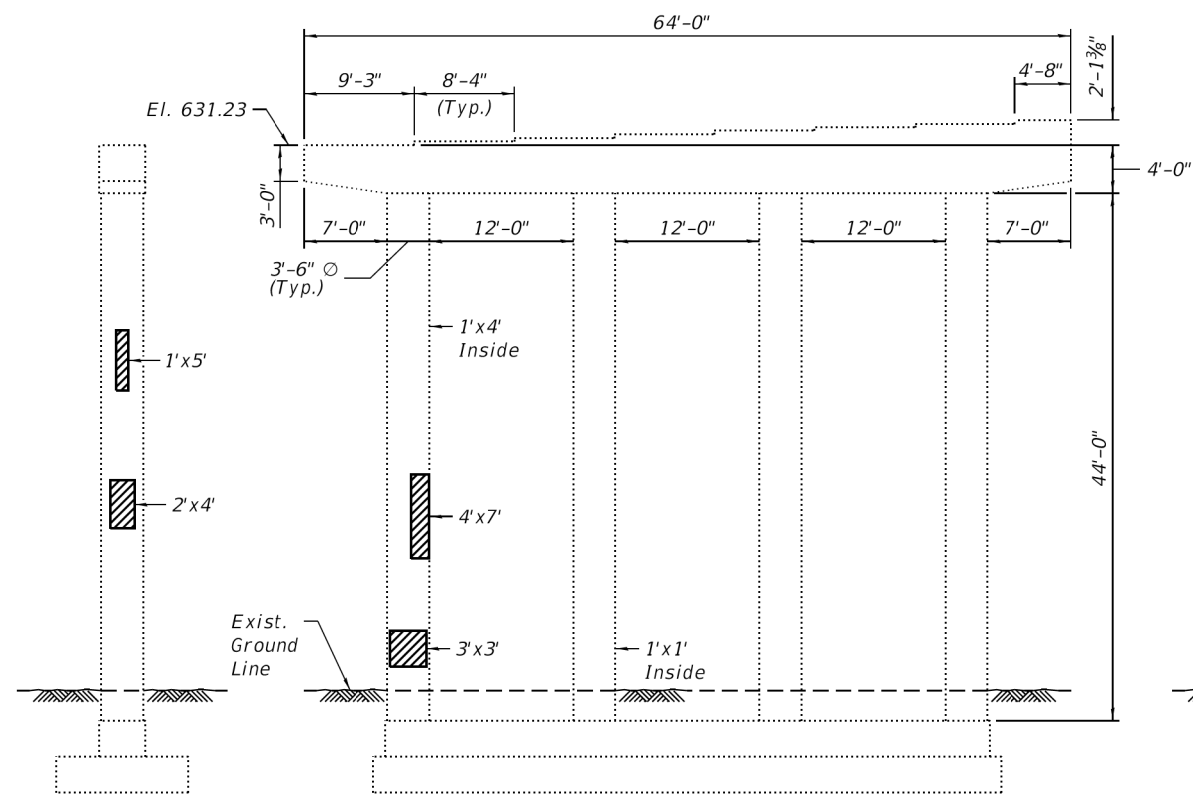
**END**  
(Pier 1E Looking East)

**END**  
(Pier 2E Looking West)



**ELEVATION**  
(Pier 2E Looking South)

**END**  
(Pier 2E Looking East)



**END**  
(Pier 3E Looking East)

**ELEVATION**  
(Pier 3E Looking North)

**END**  
(Pier 3E Looking West)

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq Ft.	115

**LEGEND**

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

MODEL: Default  
FILE NAME: I:\CH\PR\1000016917\03\_CADD\01\_Sheets\Structural\0160060\_61-62\K21-001-PIERREP.dgn  
1/30/2020 11:56:03 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

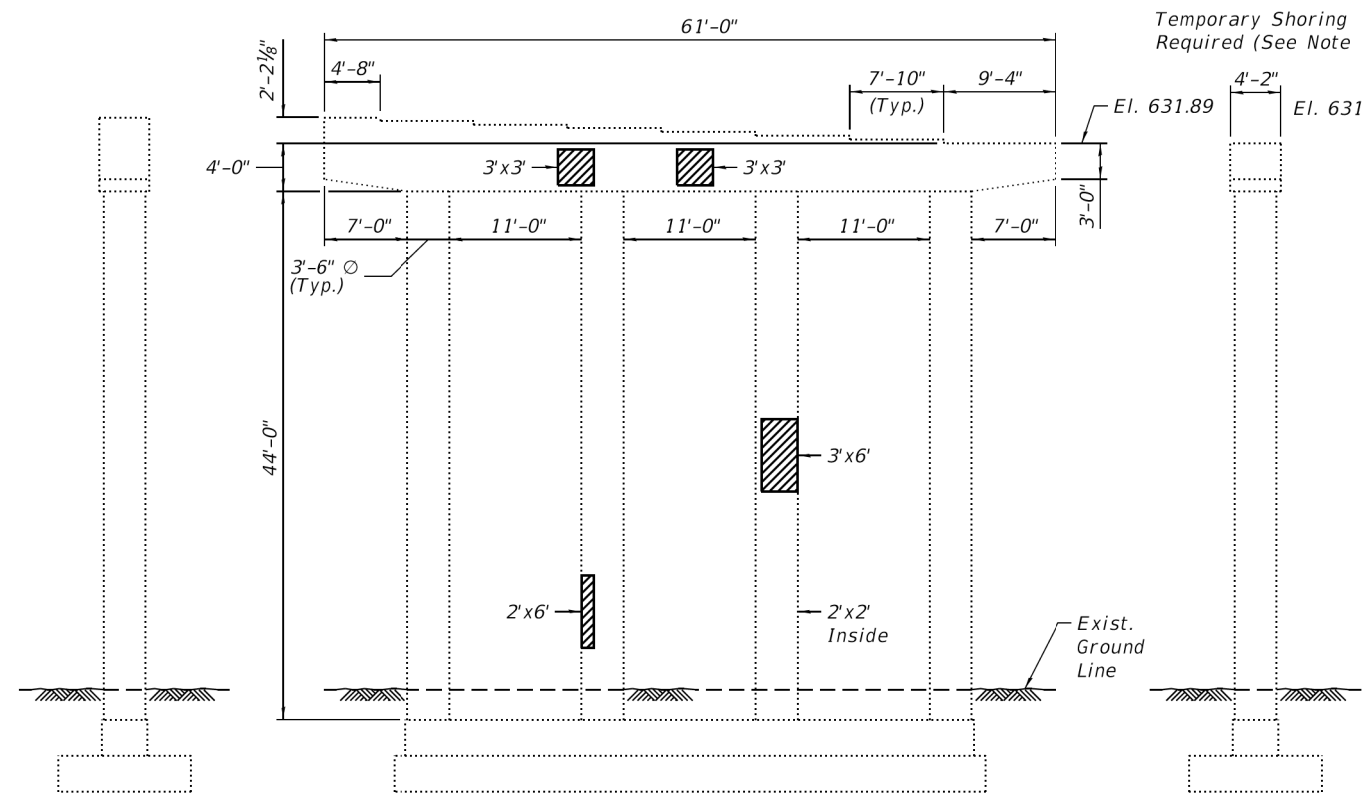
USER NAME =	RBASTANFABIAN	DESIGNED -	RBF	REVISED -	
PLOT SCALE =	16:0"/1 in.	CHECKED -	KGN	REVISED -	
PLOT DATE =	1/30/2020	DRAWN -	JFB	REVISED -	
		CHECKED -	KGN	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-57 (NB) OVER LITTLE CALUMET RIVER  
PIER 1E, 2E & 3E REPAIRS**

SHEET 9 OF 14 SHEETS

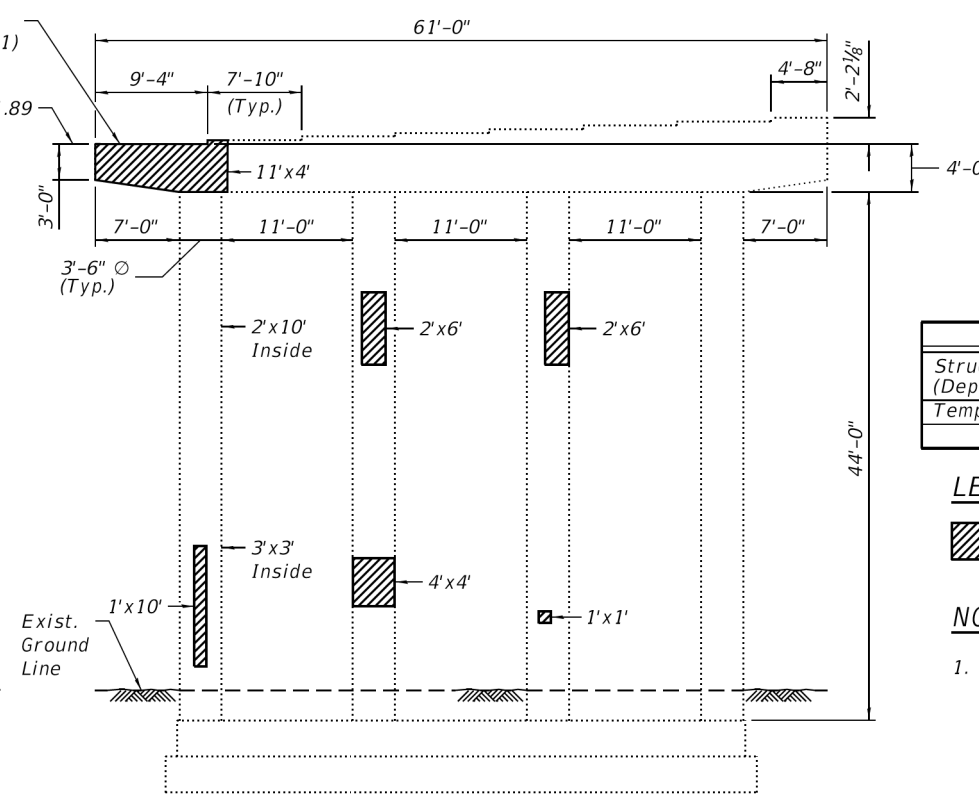
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	33
CONTRACT NO. 62K21			ILLINOIS FED. AID PROJECT	



**END**  
(Pier 4E Looking West)

**ELEVATION**  
(Pier 4E Looking South)

**END**  
(Pier 4E Looking East)



**ELEVATION**  
(Pier 4E Looking North)

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq Ft.	354
Temporary Shoring and Cribbing	Each	1

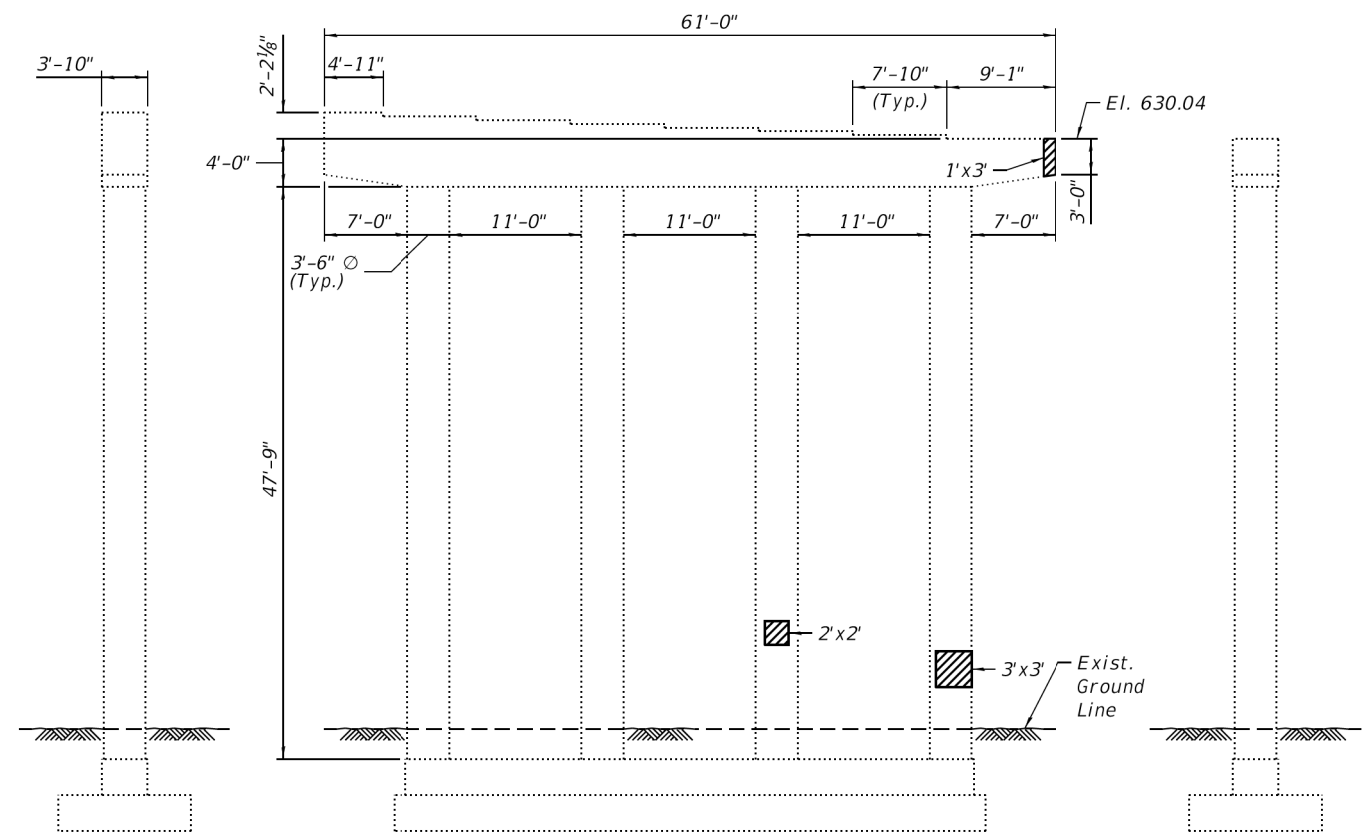
**LEGEND**

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

**NOTES:**

1. Interior girder reactions for Pier 4E, per bearing:

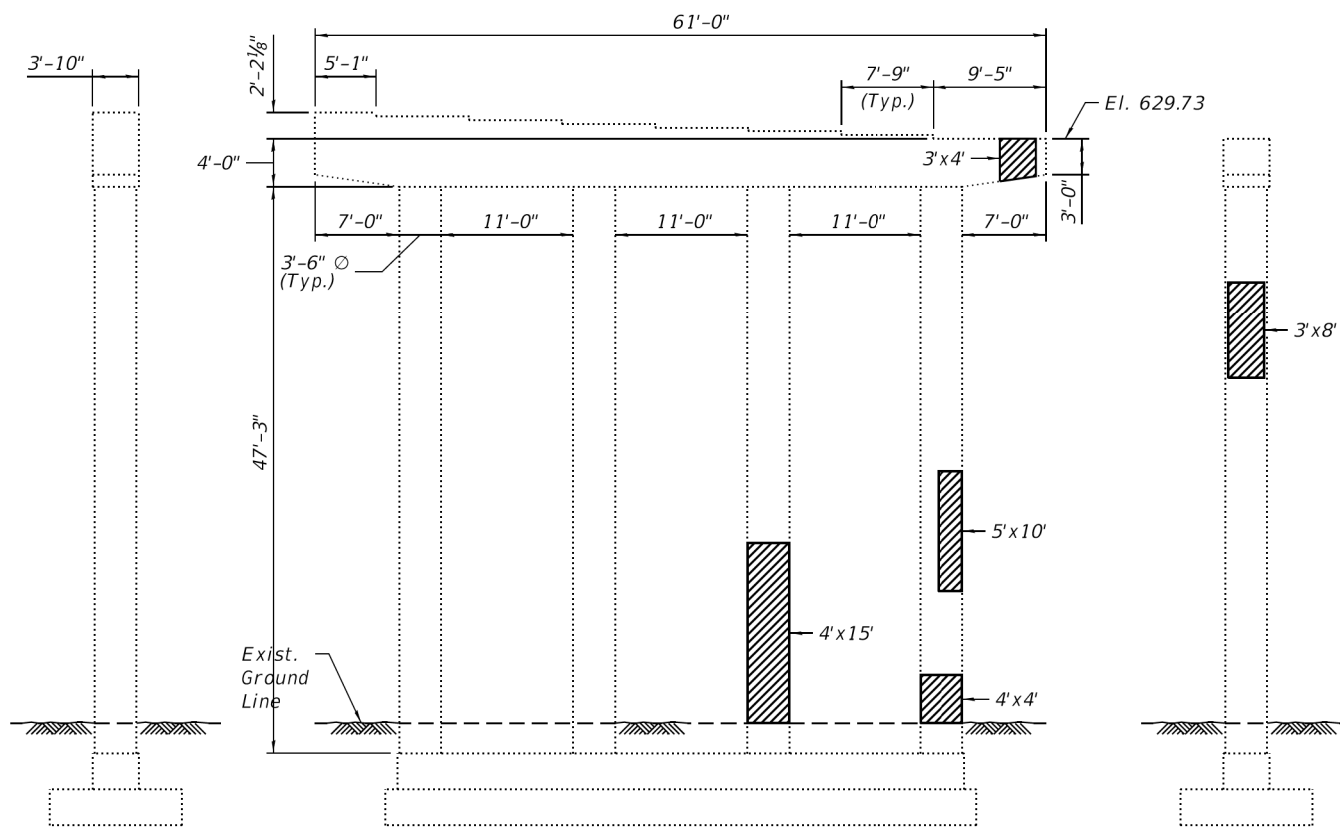
R DL	27.4 K
RS DL	16.2 K
R LL	42.5 K
Imp.	10.6 K
R (Total)	96.7 K



**END**  
(Pier 5E Looking West)

**ELEVATION**  
(Pier 5E Looking South)

**END**  
(Pier 5E Looking East)



**END**  
(Pier 6E Looking West)

**ELEVATION**  
(Pier 6E Looking South)

**END**  
(Pier 6E Looking East)

MODEL: Default  
FILE NAME: I:\CHIPR\000016917\03\_CADD\01\_Sheets\Structural\0160060\_61-62K21-002-PIERREP.dgn  
1/30/2020 11:56:10 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME =	RBASTANFABIAN	DESIGNED -	RBF	REVISED -	
PLOT SCALE =	16:0"/1".	CHECKED -	KGN	REVISED -	
PLOT DATE =	1/30/2020	DRAWN -	JFB	REVISED -	
		CHECKED -	KGN	REVISED -	

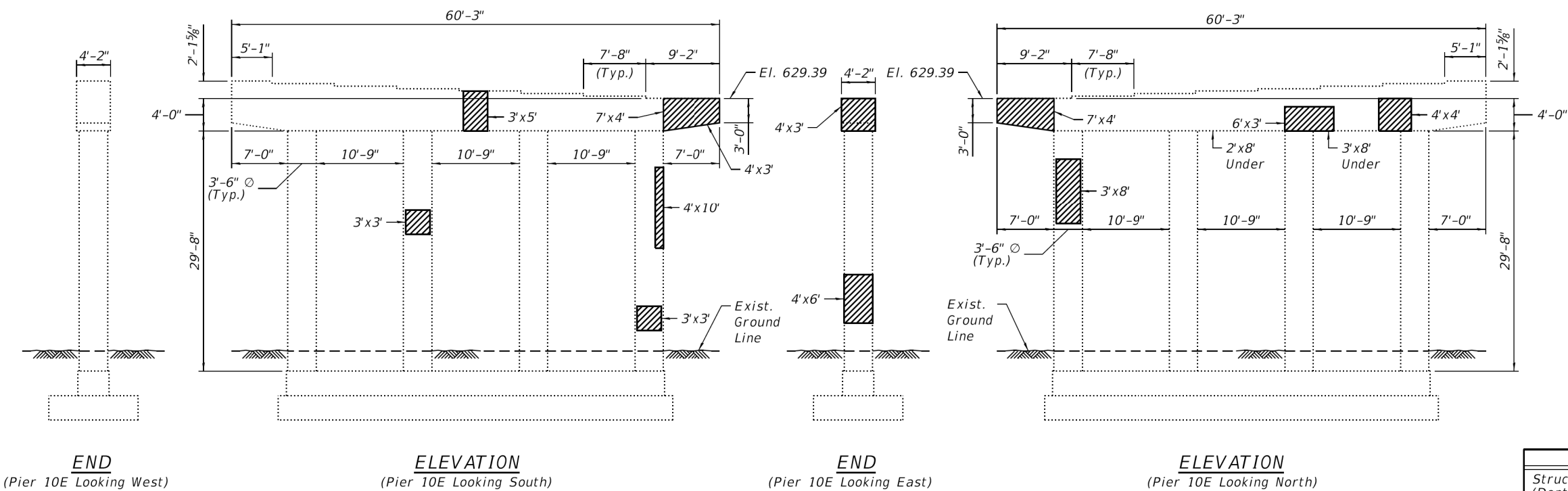
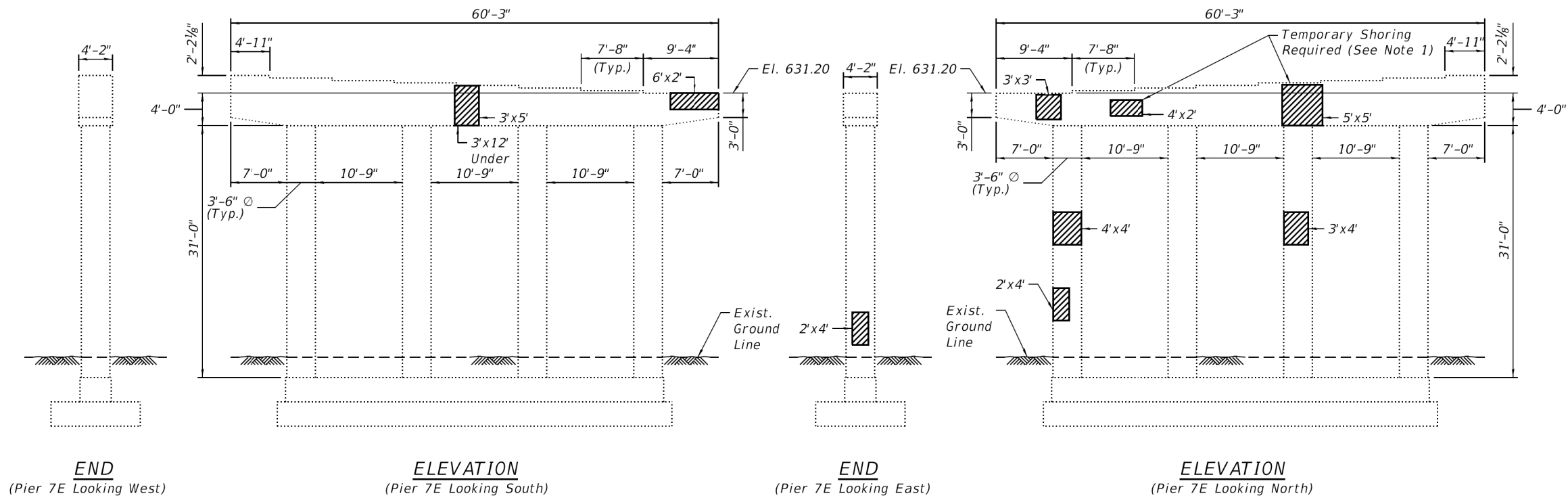
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-57 (NB) OVER LITTLE CALUMET RIVER**  
**PIER 4E, 5E & 6E REPAIRS**

SHEET 10 OF 14 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	34
			CONTRACT NO. 62K21	
		ILLINOIS FED. AID PROJECT		

S-10



**NOTES:**

1. Interior girder reactions for Pier 7E, per bearing:

R DL	27.2 K
RS DL	15.9 K
R LL	42.5 K
Imp.	10.6 K
R (Total)	96.2 K

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq Ft.	424
Temporary Shoring and cribbing	Each	2

**LEGEND**

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

MODEL: Default  
FILE NAME: I:\CH\PR\1000016917\03\_CADD\01\_Sheets\Structural\160060\_61-62K21-003-PIERREP.dgn  
1/30/2020 11:56:21 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

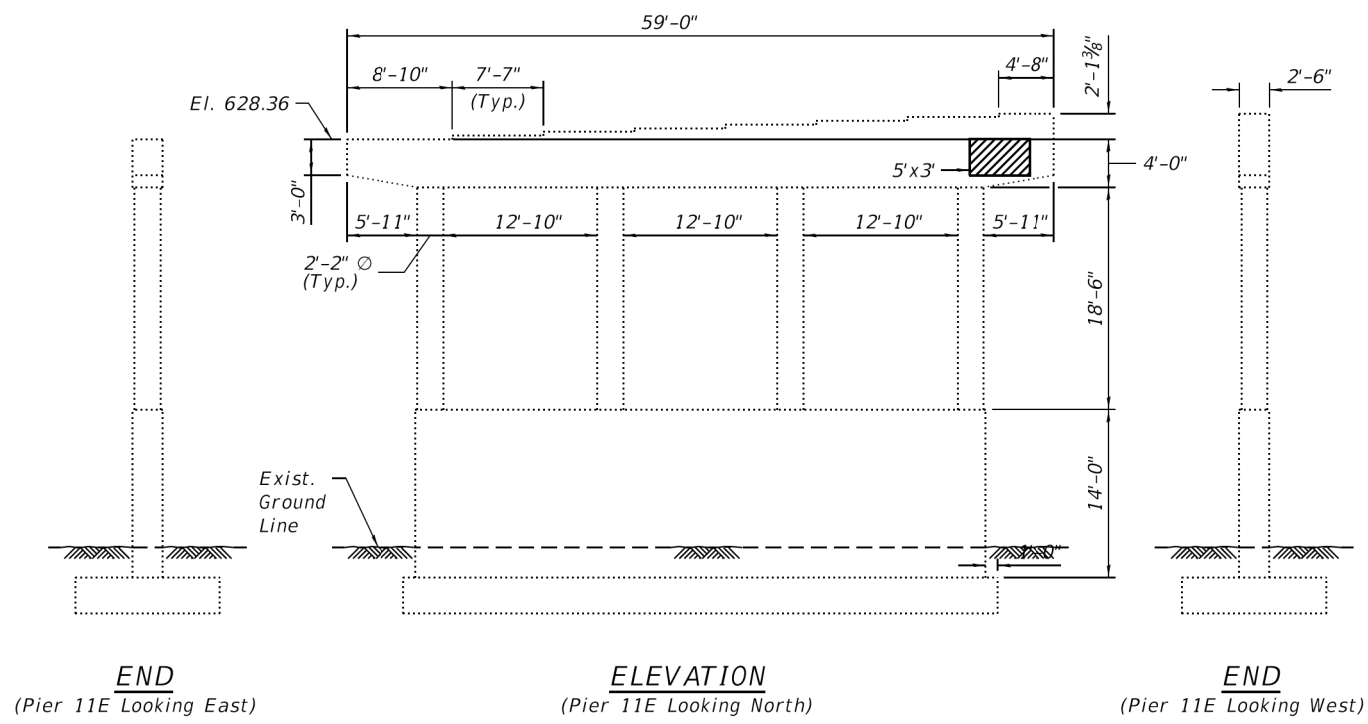
USER NAME =	RBASTANFABIAN	DESIGNED -	RBF	REVISED -	
PLOT SCALE =	18:0"/1" In.	CHECKED -	KGN	REVISED -	
PLOT DATE =	1/30/2020	DRAWN -	JFB	REVISED -	
		CHECKED -	KGN	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-57 (NB) OVER LITTLE CALUMET RIVER  
PIER 7E & 10E REPAIRS**

SHEET 11 OF 14 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	35
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K21	



**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq Ft.	15

**LEGEND**

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

MODEL: Default  
FILE NAME: I:\CHIPR\1000016917\03\_CADD\01\_Sheets\Structural\0160060\_61-62K21-004-PIERREP.dgn

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

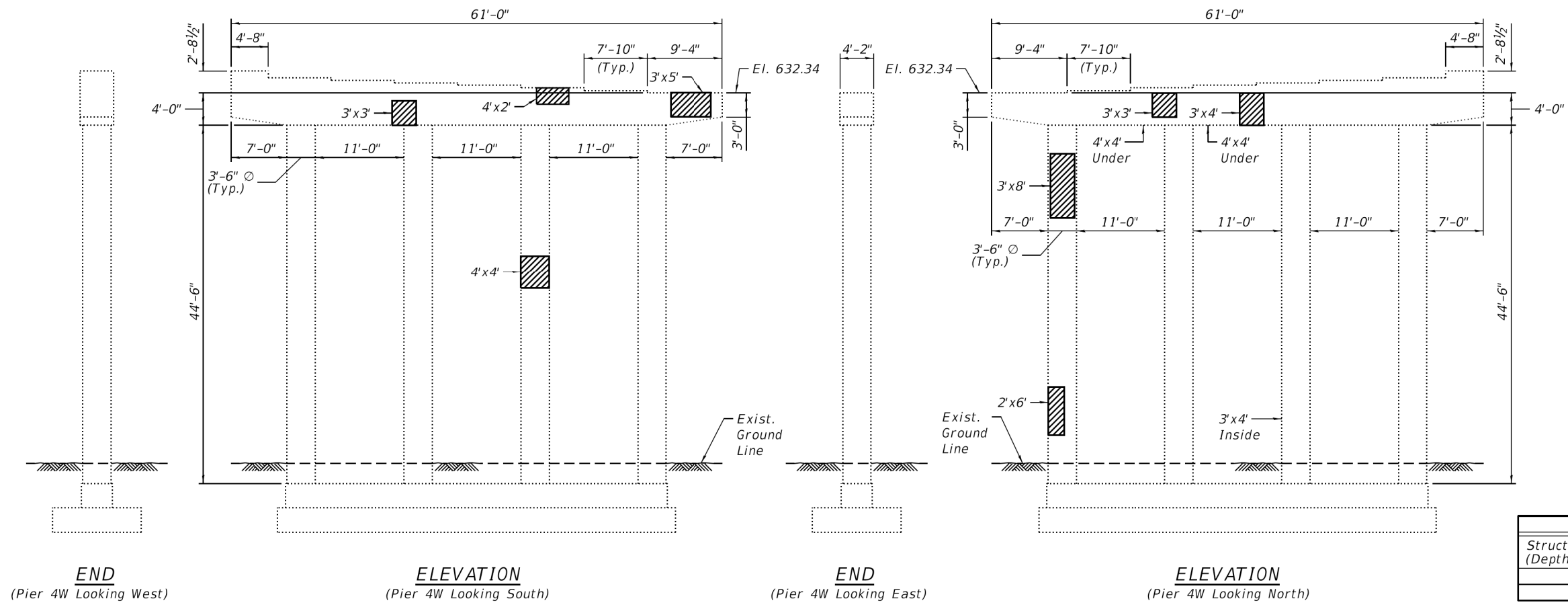
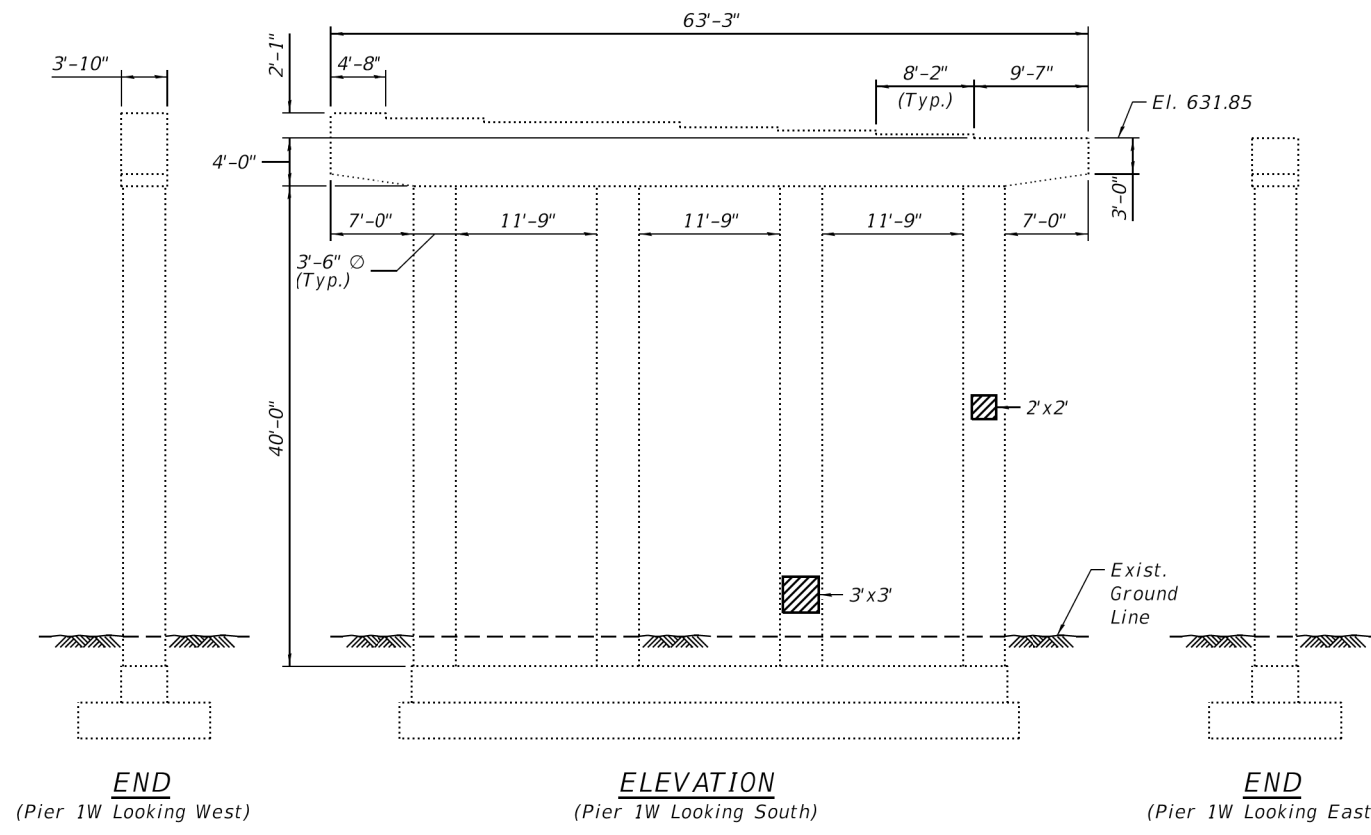
USER NAME = RBASTANFABIAN	DESIGNED - RBF	REVISED -
PLOT SCALE = 16:0"/1 in.	CHECKED - KGN	REVISED -
PLOT DATE = 1/30/2020	DRAWN - JFB	REVISED -
	CHECKED - KGN	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-57 (NB) OVER LITTLE CALUMET RIVER  
PIER 11E REPAIRS**

SHEET 12 OF 14 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	36
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K21	



**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq Ft.	162

**LEGEND**

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

MODEL: Default  
FILE NAME: I:\CH\PR\00001691703\_CADD\01\_Sheets\Structural\0160060\_61-62K21-005-PIERREP.dgn  
1/30/2020 11:56:35 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

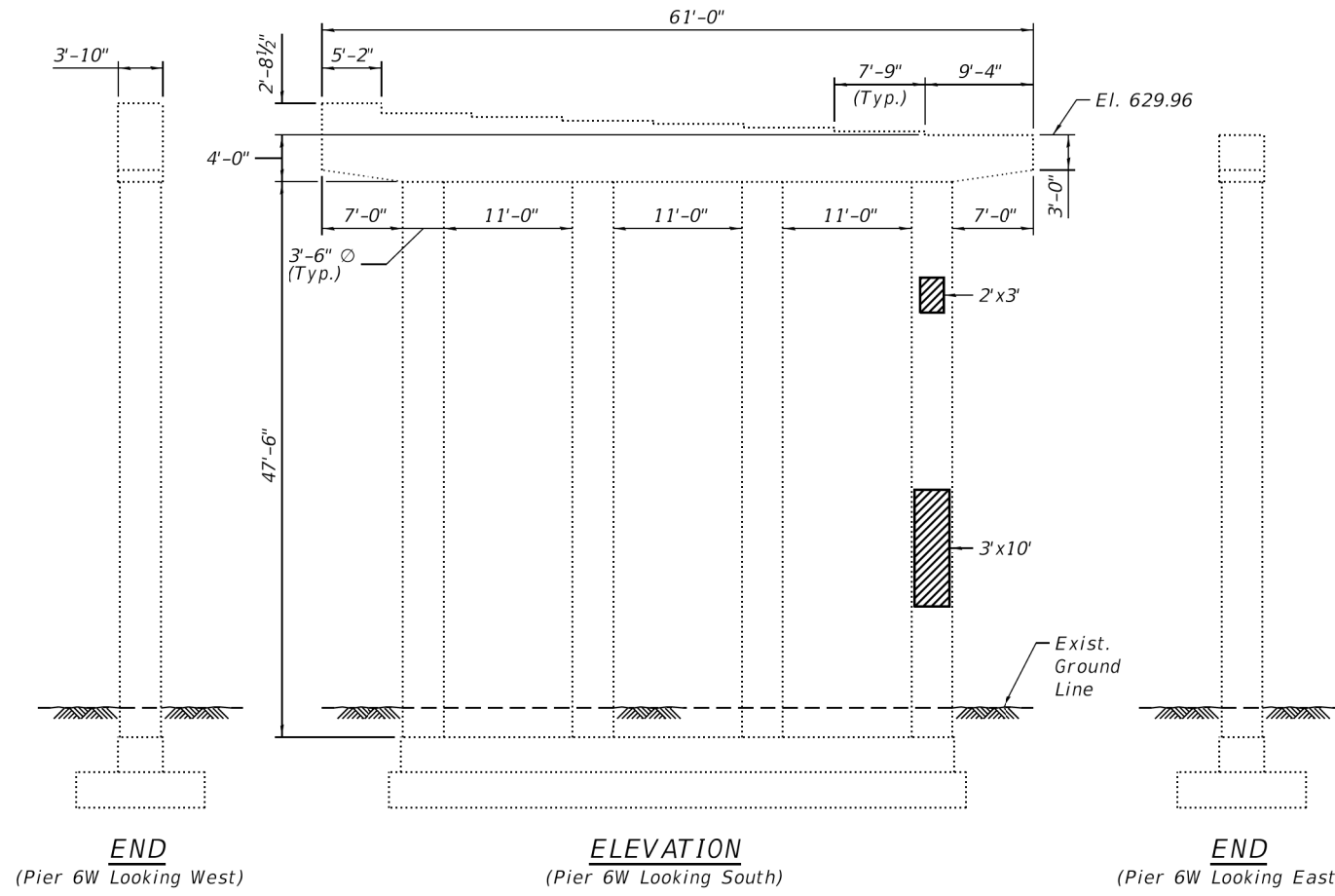
USER NAME = RBASTANFABIAN	DESIGNED - RBF	REVISED -
PLOT SCALE = 1/8" = 1'-0"	CHECKED - KGN	REVISED -
PLOT DATE = 1/30/2020	DRAWN - JFB	REVISED -
	CHECKED - KGN	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**I-57 (SB) OVER LITTLE CALUMET RIVER  
PIER 1W & 3W REPAIRS**

SHEET 13 OF 14 SHEETS

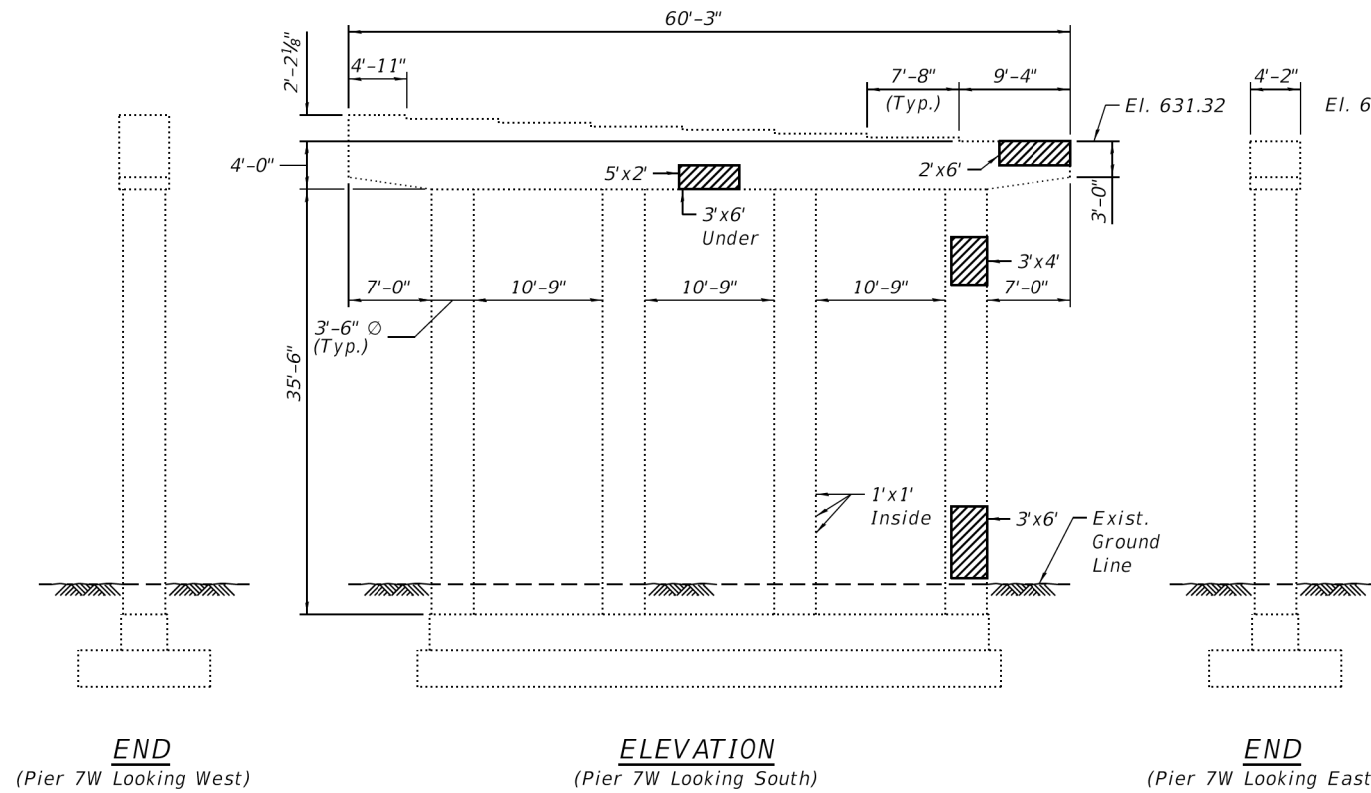
FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	37
ILLINOIS			FED. AID PROJECT	



**END**  
(Pier 6W Looking West)

**ELEVATION**  
(Pier 6W Looking South)

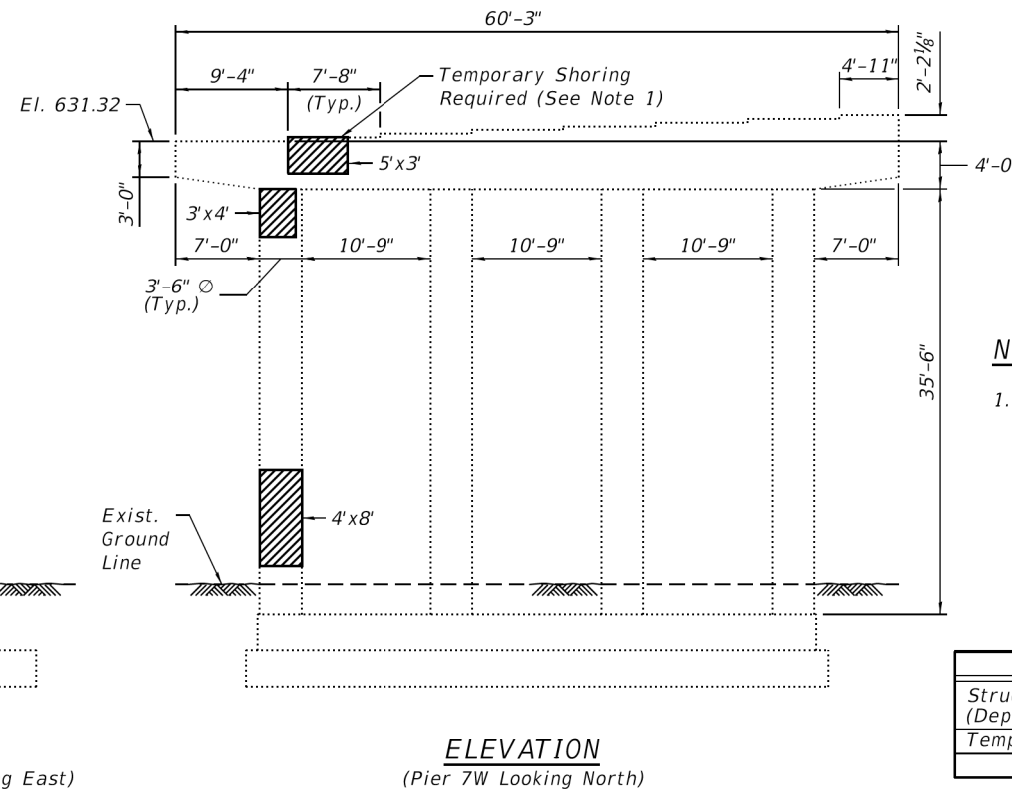
**END**  
(Pier 6W Looking East)



**END**  
(Pier 7W Looking West)

**ELEVATION**  
(Pier 7W Looking South)

**END**  
(Pier 7W Looking East)



**ELEVATION**  
(Pier 7W Looking North)

- NOTES:**
- Interior girder reactions for Pier 7W, per bearing:
- |           |        |
|-----------|--------|
| R DL      | 23.9 K |
| RS DL     | 14.3 K |
| R LL      | 42.2 K |
| Imp.      | 10.7 K |
| R (Total) | 91.1 K |

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq Ft.	184
Temporary Shoring and cribbing	Each	1

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

MODEL: Default  
FILE NAME: I:\CH\PR\00001691703\_CADD\01\_Sheets\Structural\0160060\_61-62K21-006-PIERREP.dgn  
1/30/2020 11:56:43 AM

**LOCHNER**  
CONSULTING ENGINEERS & PLANNERS  
225 WEST WASHINGTON STREET 12TH FLOOR  
CHICAGO, IL 60606  
312-372-3011 (P) / 312-372-5974 (F)

USER NAME =	RBASTANFABIAN	DESIGNED -	RBF	REVISED -	
PLOT SCALE =	16:0 "/in.	CHECKED -	KGN	REVISED -	
PLOT DATE =	1/30/2020	DRAWN -	JFB	REVISED -	
		CHECKED -	KGN	REVISED -	

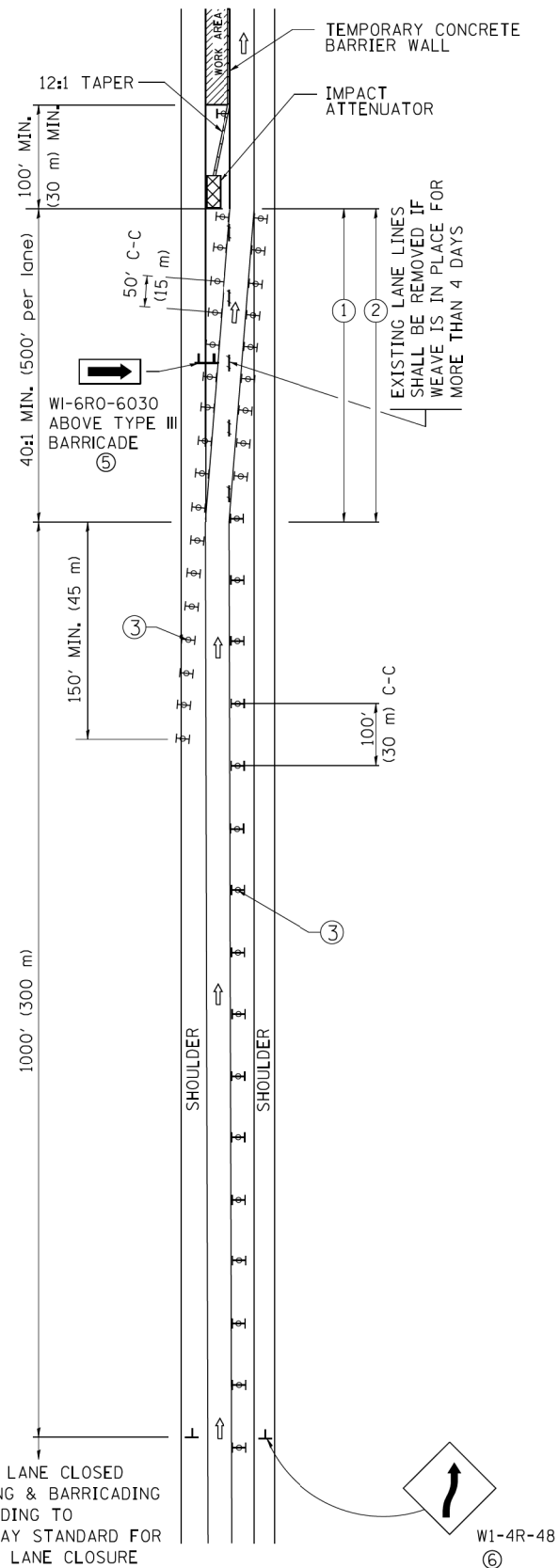
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**I-57 (SB) OVER LITTLE CALUMET RIVER**  
**PIER 6W & 7W REPAIRS**

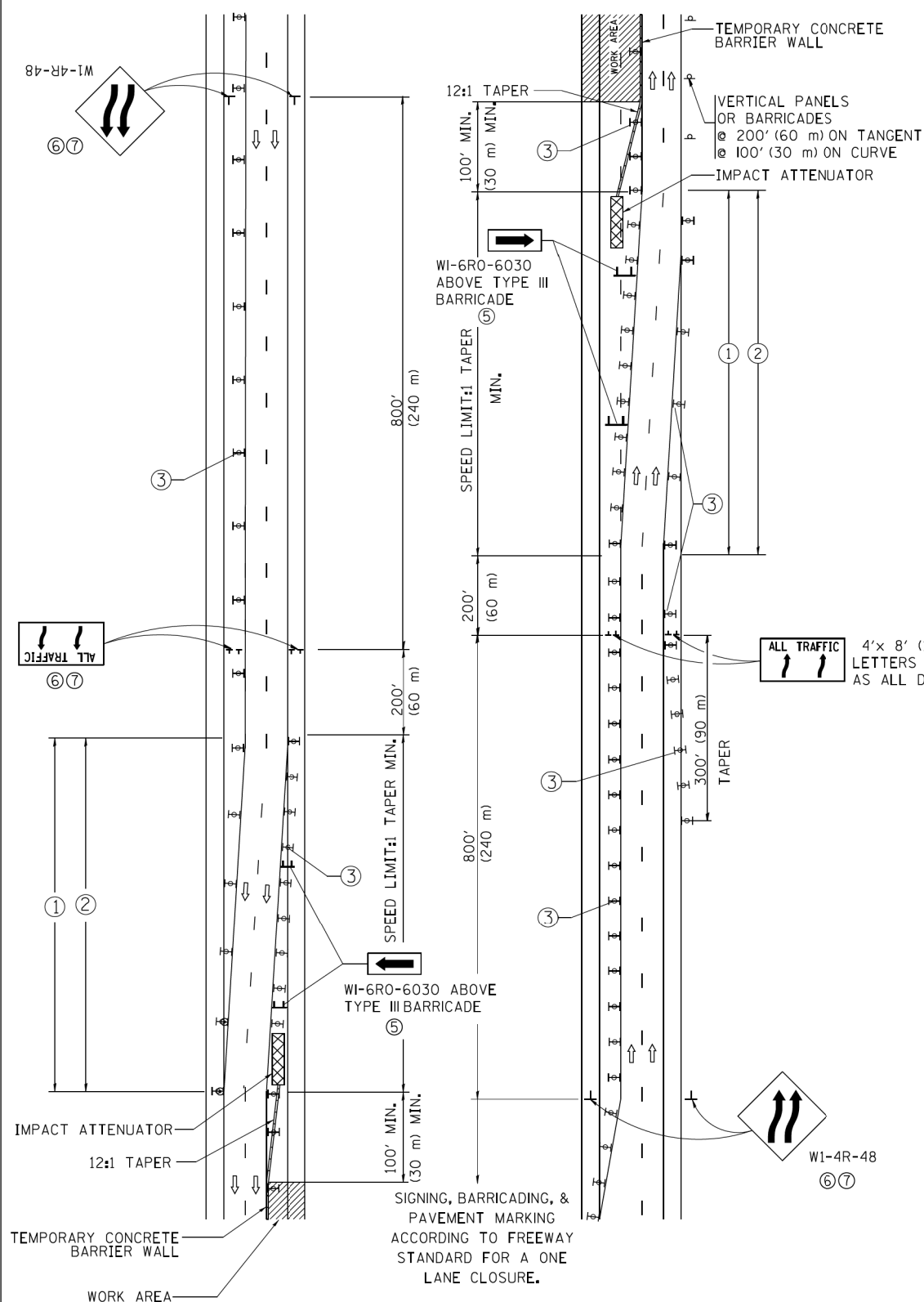
SHEET 14 OF 14 SHEETS

FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	38
CONTRACT NO. 62K21			ILLINOIS FED. AID PROJECT	

# SINGLE LANE WEAVE



# MULTI-LANE WEAVE



### GENERAL NOTES

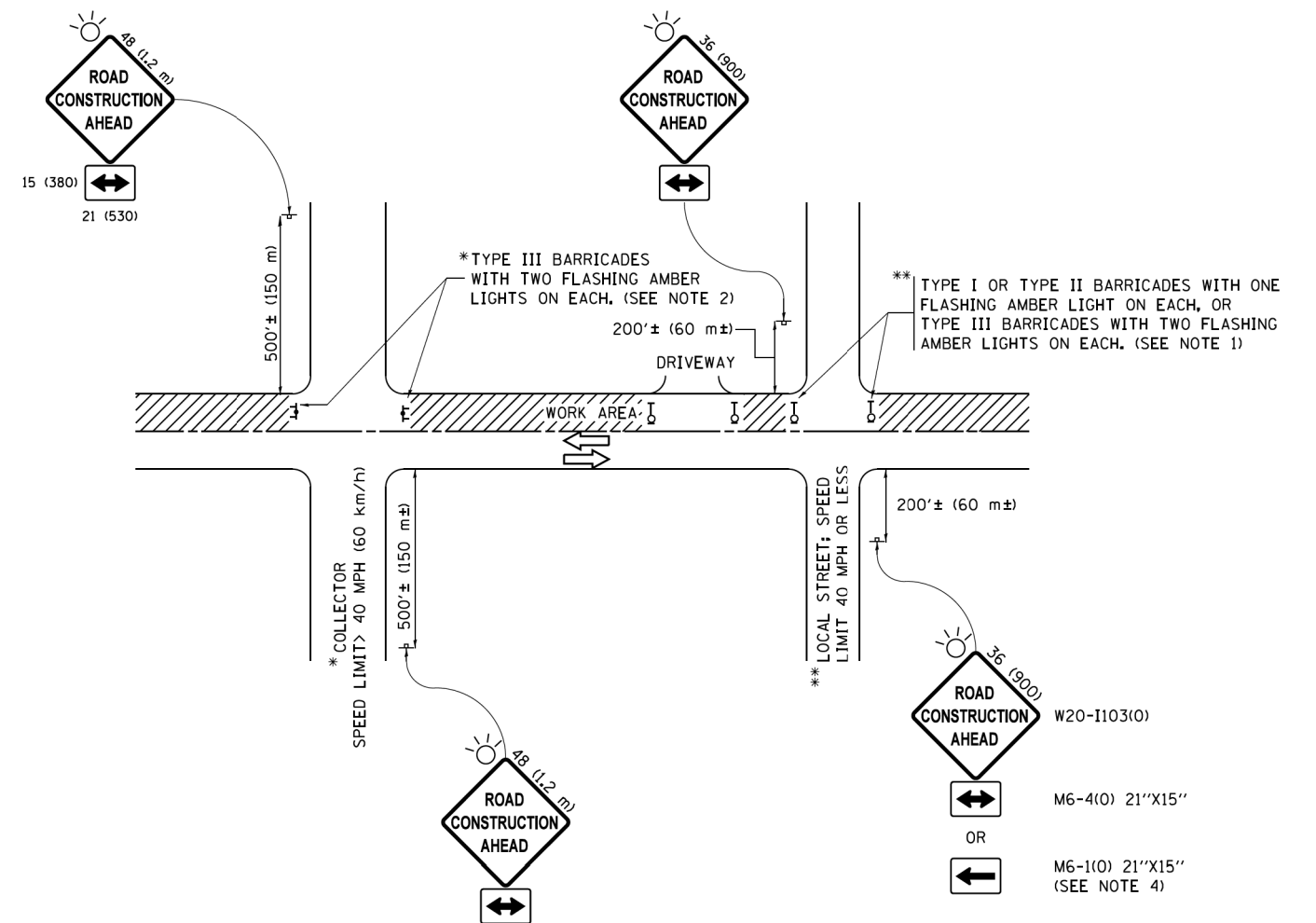
- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

### SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48 (6, 7)
- W24-1-48 (7)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE &amp; MULTI-LANE WEAVE</b>			F.A.I. RTE. = 57	SECTION = 2019-150-BR	COUNTY = COOK	TOTAL SHEETS = 46	SHEET NO. = 39
ca:\p\work\p\dot\Footemj\d0108315\td09\fign		DRAWN -	REVISED - SPB 01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	<b>TC-09</b>		CONTRACT NO. 62K21		
		CHECKED -	REVISED - SPB 12-09									
		DATE - 02-87	REVISED - MD 06-13									



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw\1\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CADData\CADsheets\10.dgn		DRAWN	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / 1" =	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

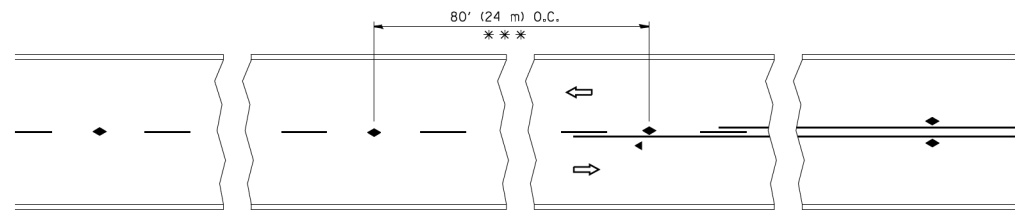
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

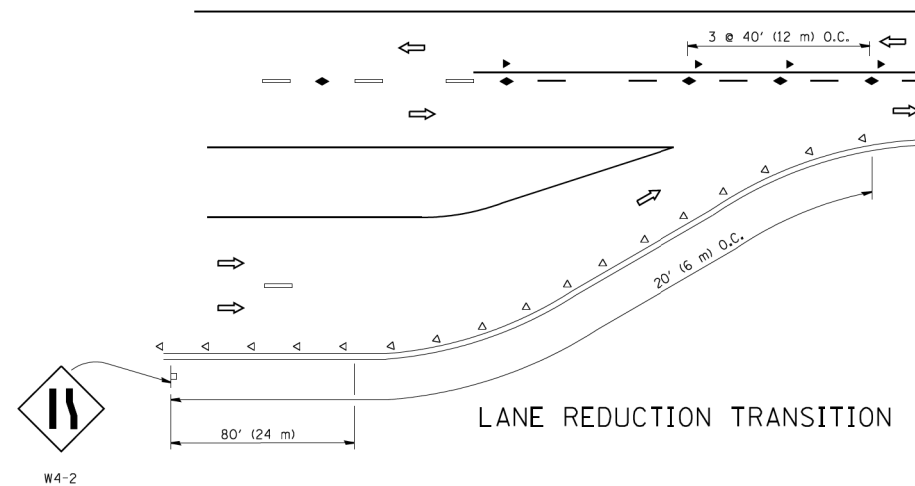
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	40
<b>TC-10</b>			<b>CONTRACT NO. 62K21</b>	
ILLINOIS FED. AID PROJECT				



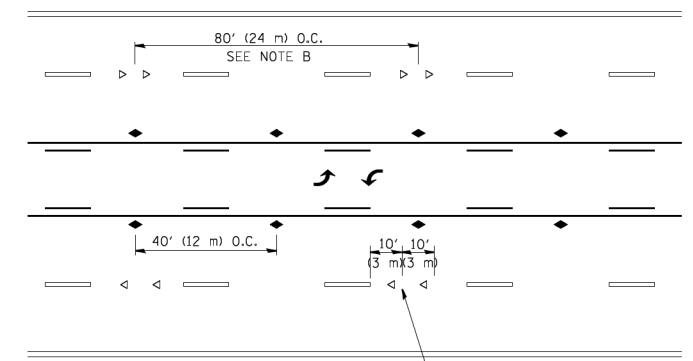


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

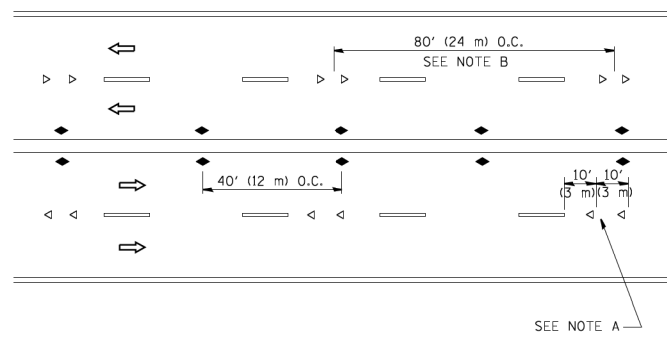
TWO-LANE/TWO-WAY



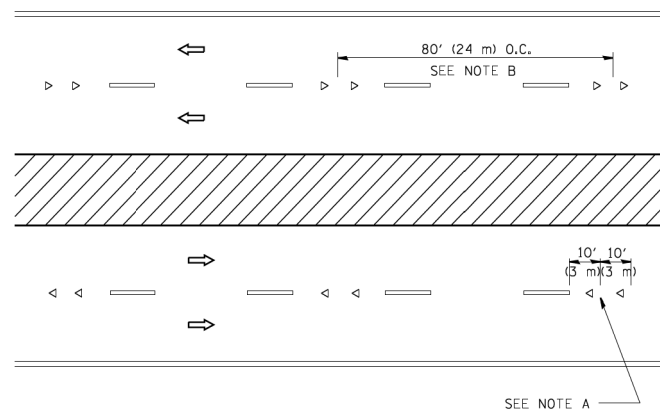
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

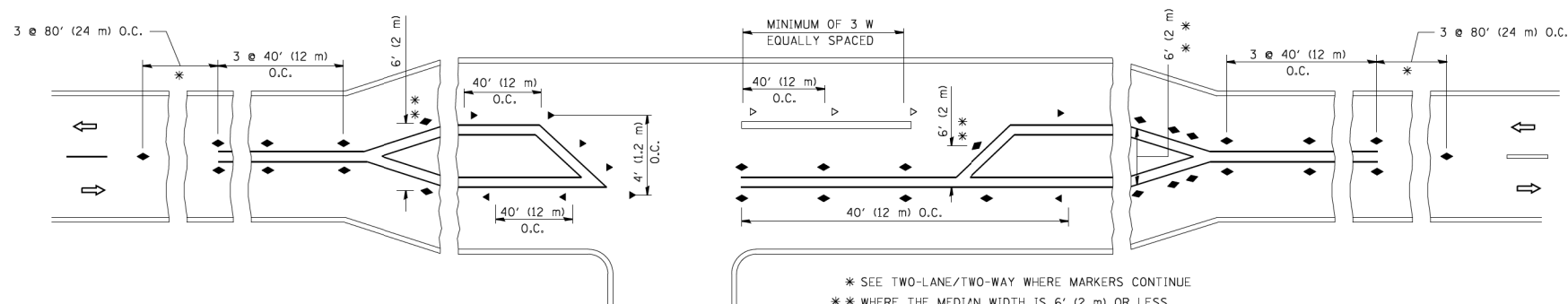
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

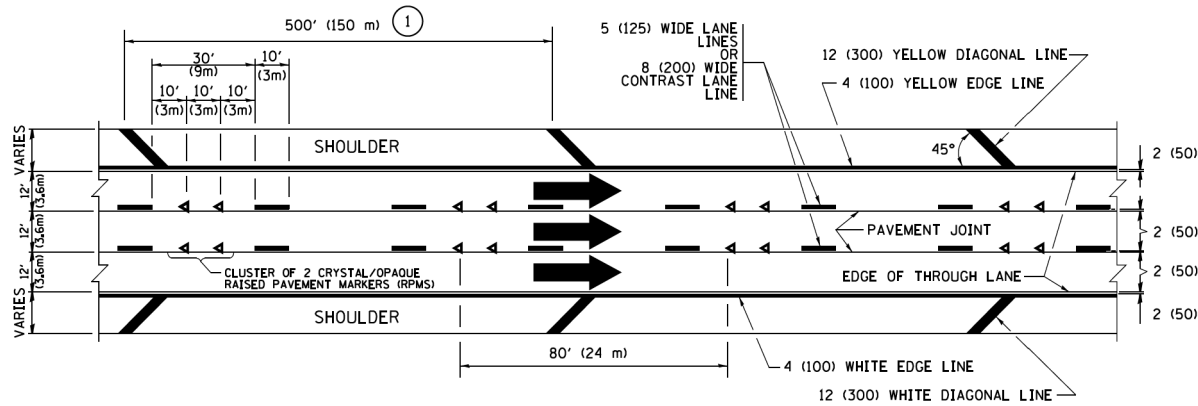


\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

All dimensions are in inches (millimeters) unless otherwise shown.

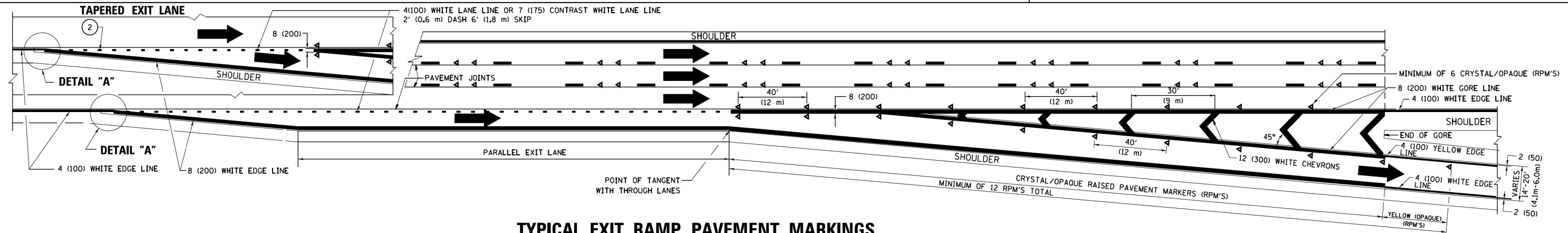
FILE NAME =	USER NAME = lveysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pki\work\pki\dot\veysa\d0108315\tcl1.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99		<b>RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>			57	2019-150-BR	COOK	46	41	
		PLOT SCALE = 50.000' / IN.	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	<b>TC-11</b>			CONTRACT NO. 62K21
		PLOT DATE = 3/2/2011	REVISED - C. JUCIUS 09-09-09		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								



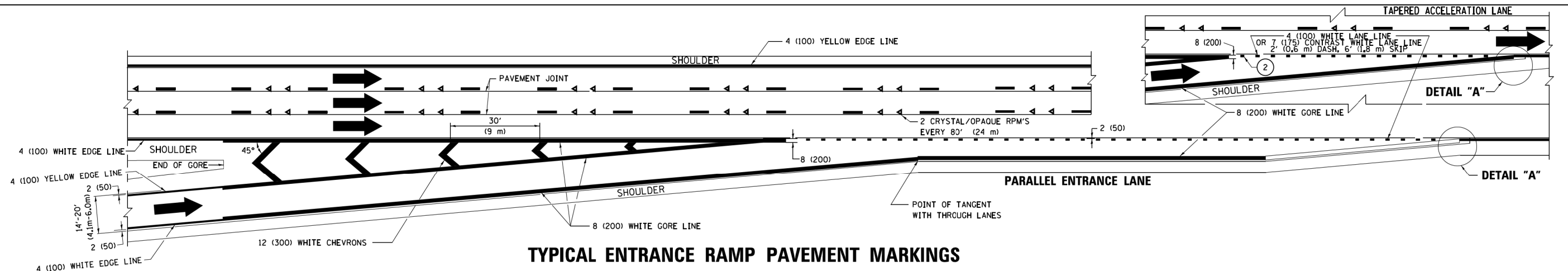
**TYPICAL EDGE LINES & LANE LINES**

**PAVEMENT MARKING MATERIALS**

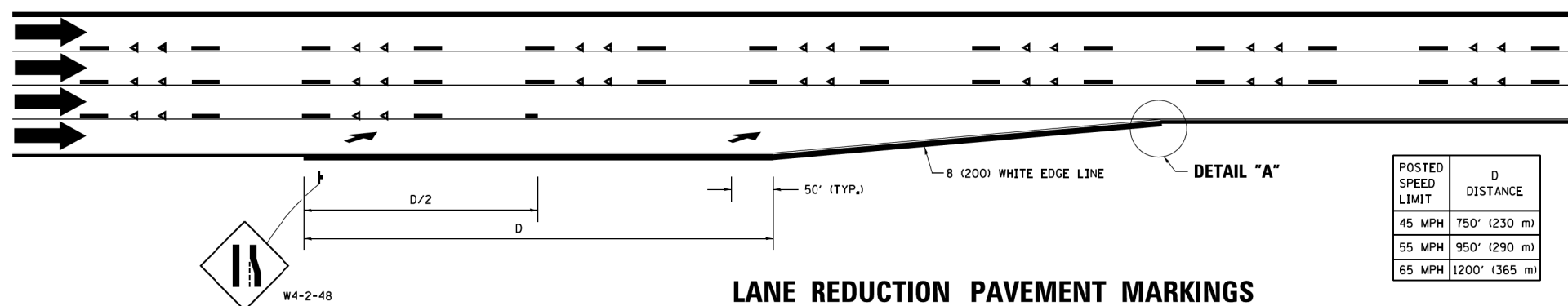
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



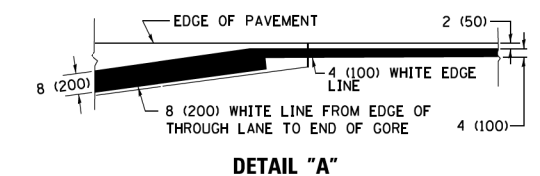
**TYPICAL EXIT RAMP PAVEMENT MARKINGS**



**TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS**



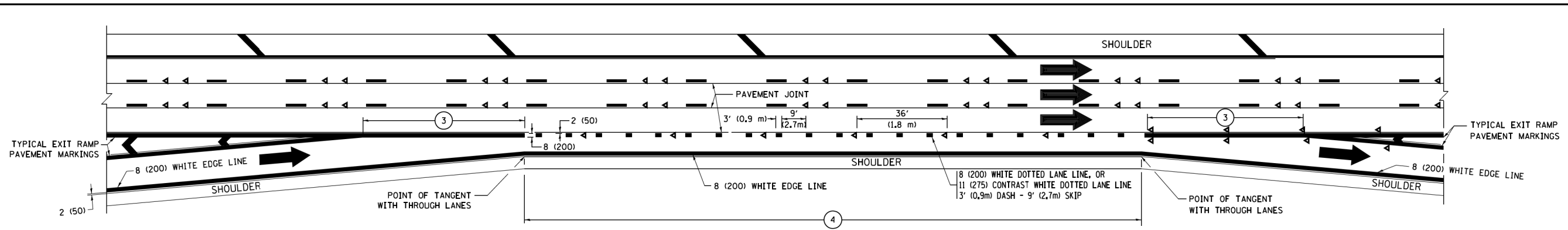
**LANE REDUCTION PAVEMENT MARKINGS**



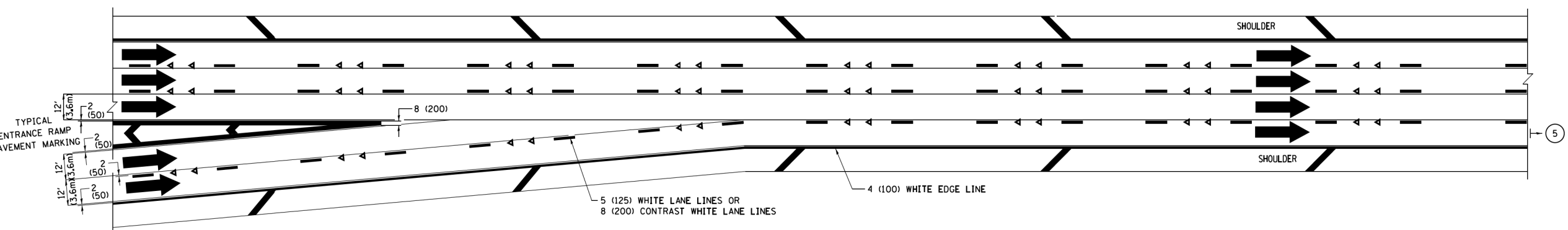
**NOTES:**

- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

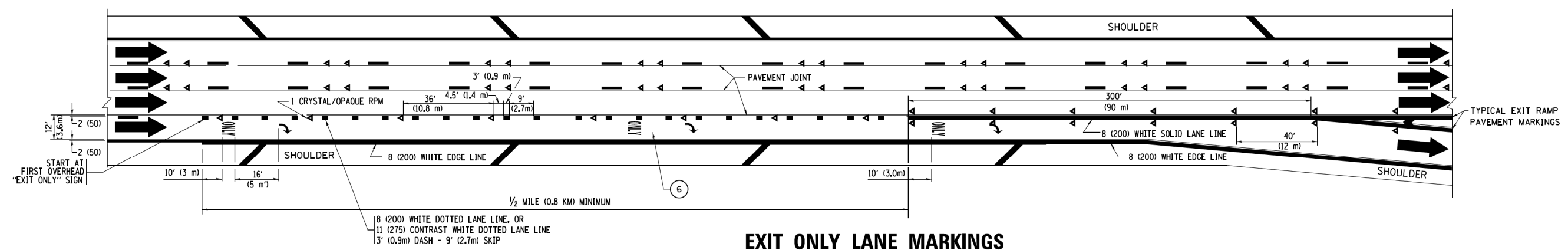
POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



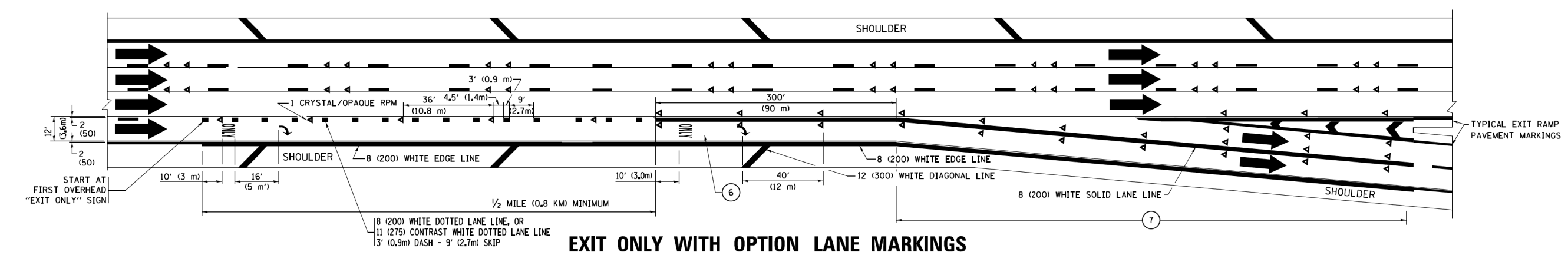
**AUXILIARY LANE MARKINGS**



**TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS**



**EXIT ONLY LANE MARKINGS**

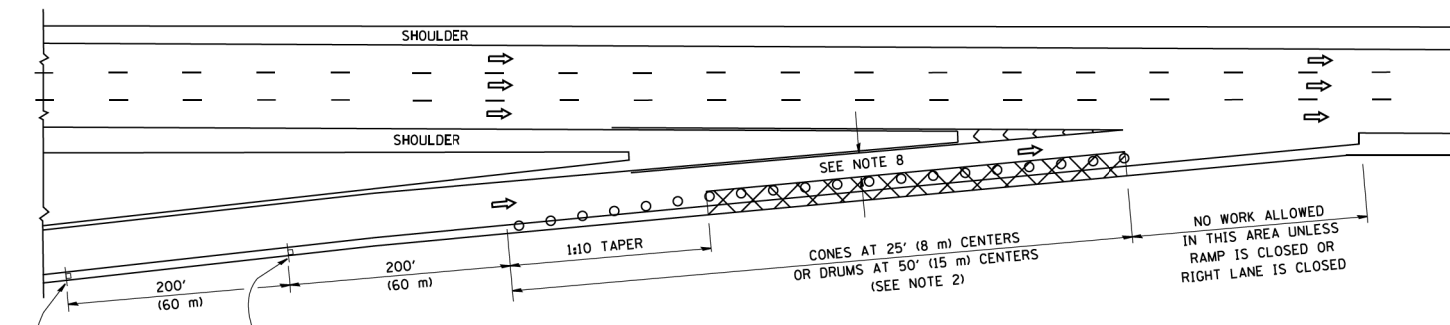


**EXIT ONLY WITH OPTION LANE MARKINGS**

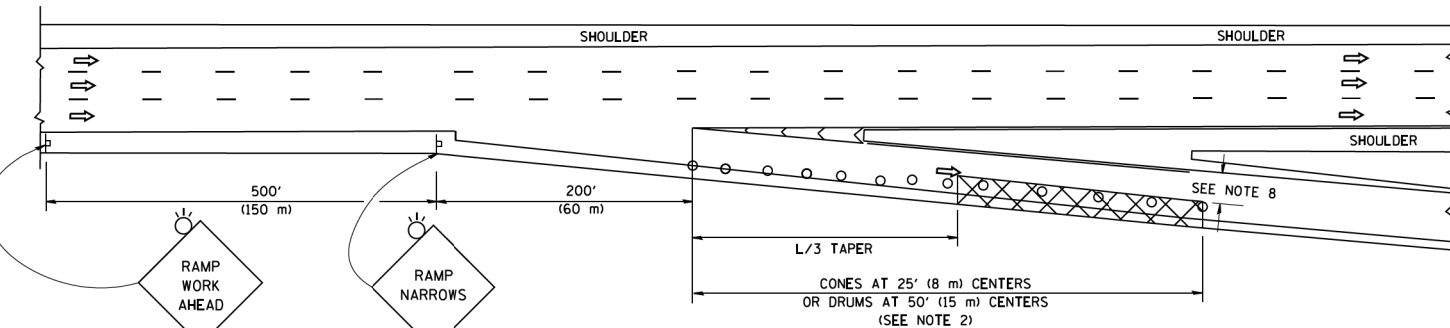
- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
  - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
  - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
  - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
  - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

FILE NAME =	USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw\1\084EBID\INTEG\illinois.gov\FWIDOT\Documents\JDOT Offices\District 1\Projects\Dist 1\084EBID\CADData\CADsheets\t012.dgn	DRAWN	CHECKED	REVISED - S.P.B. 01-07		SCALE: NONE	SHEET 2	OF 2	SHEETS	STA.	TO STA.	57	2019-150-BR	COOK	46	43
Default	PLOT SCALE = 50,000' / in.	DATE - 01-90	REVISED - S.P.B. 01-10								<b>TC-12</b>			<b>CONTRACT NO. 62K21</b>	
	PLOT DATE = 9/6/2017		REVISED - M.D. 09-17								ILLINOIS FED. AID PROJECT				

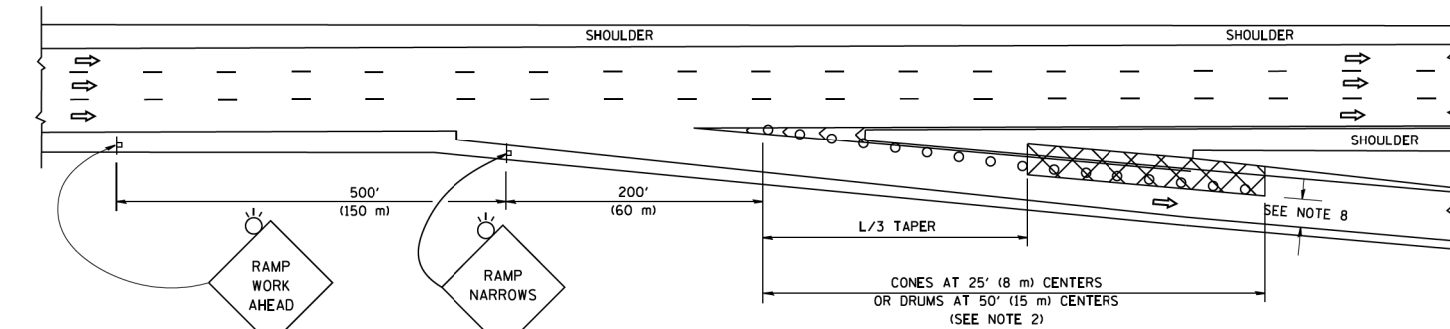
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

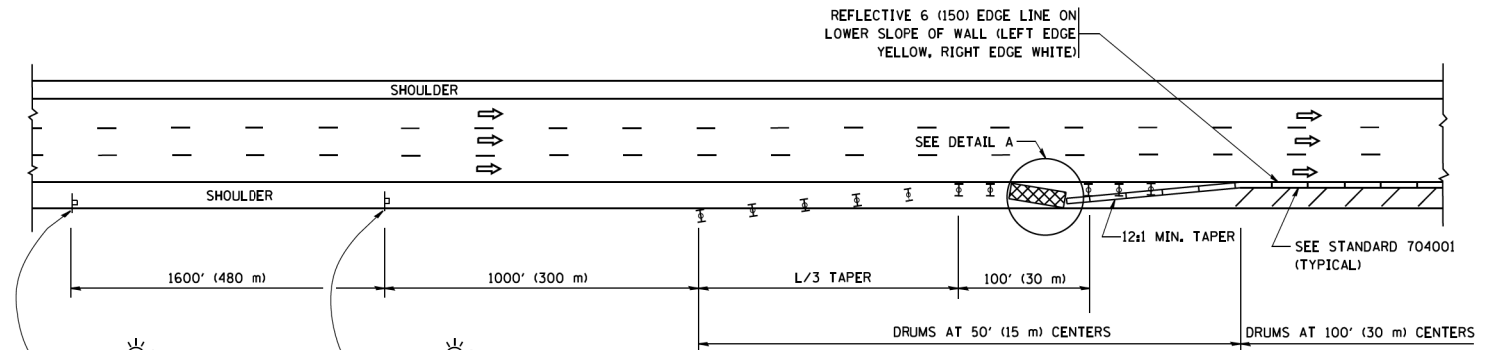
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:
 

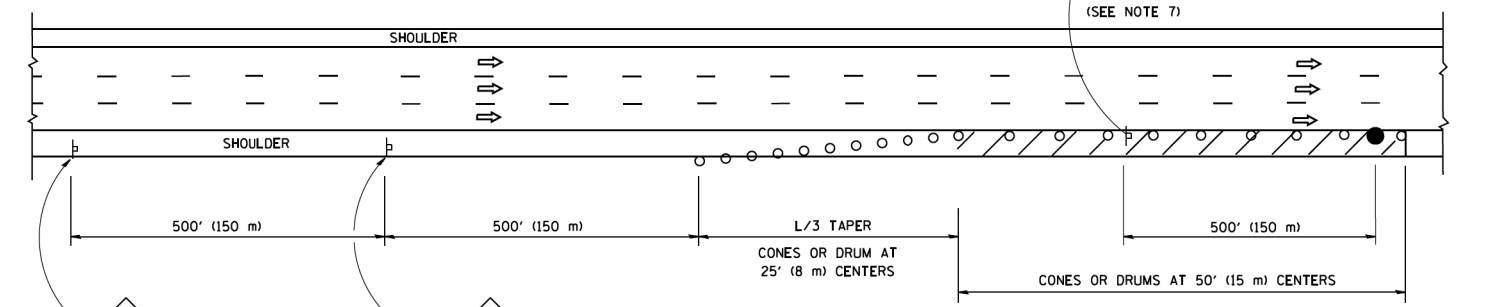
SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER	METRIC    ENGLISH L=0.65(W)(S)    L=(W)(S)

W = WIDTH OF OFFSET IN FEET (METERS)  
S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

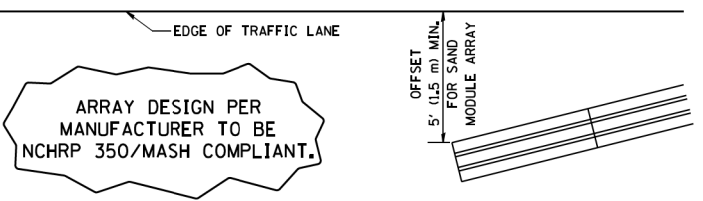


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:  
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)

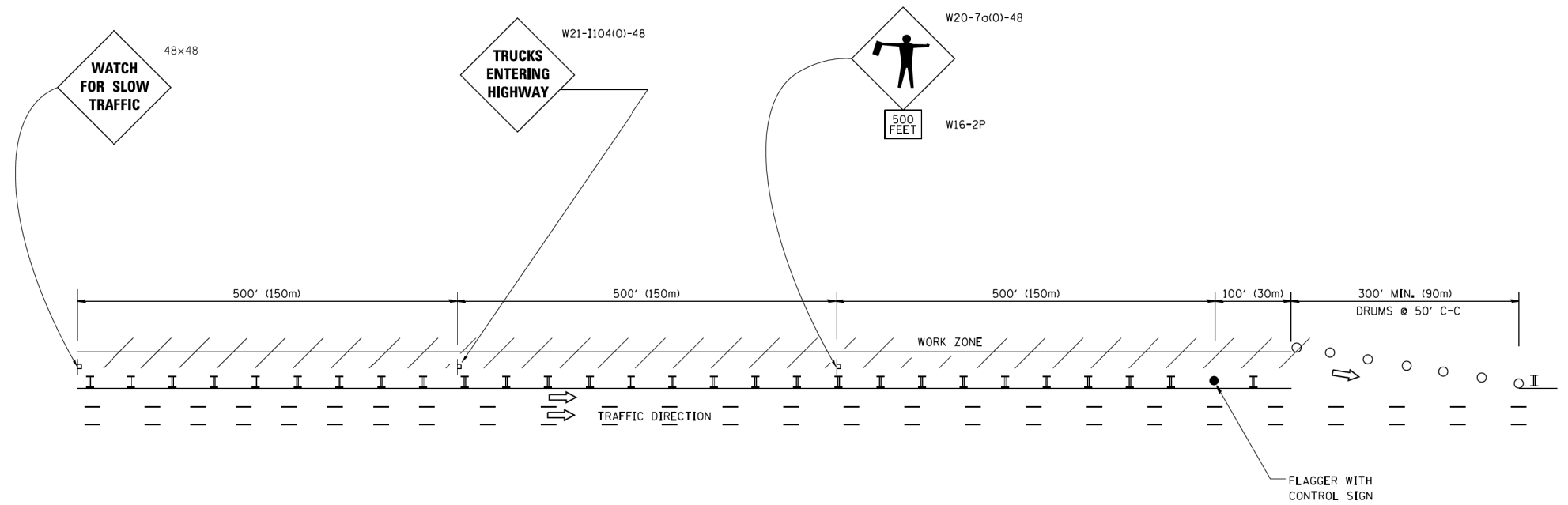
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

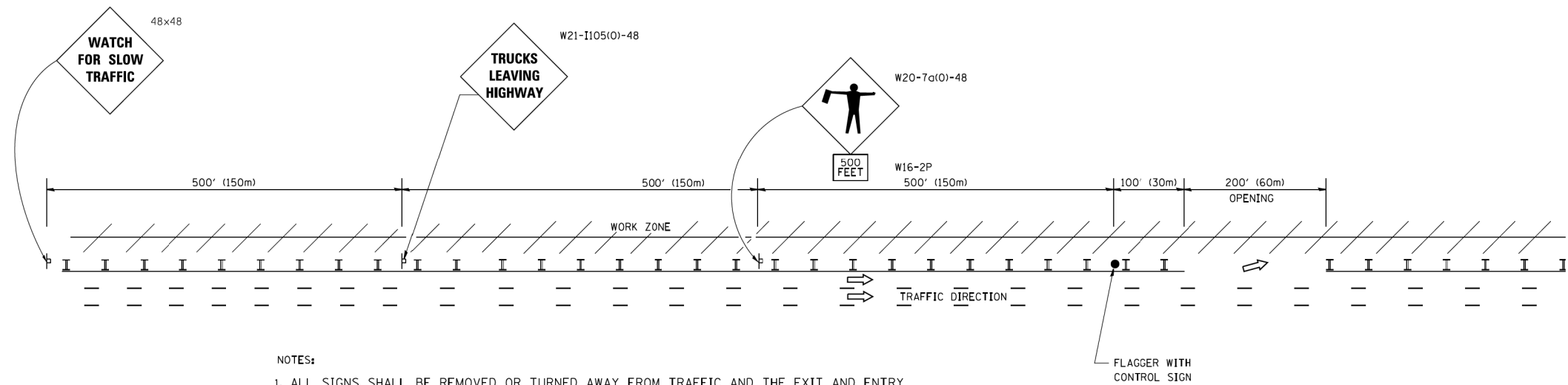
FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - S.P.B. 01-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - S.P.B. 12-09			57	2019-150-BR	COOK	46	44	
		CHECKED -	REVISED - M.D. 06-13			<b>TC-17</b>		<b>CONTRACT NO. 62K21</b>			
		DATE - 11-96	REVISED - M.D. 01-18			SCALE: NONE    SHEET 1 OF 1 SHEETS    STA. TO STA.		ILLINOIS FED. AID PROJECT			

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



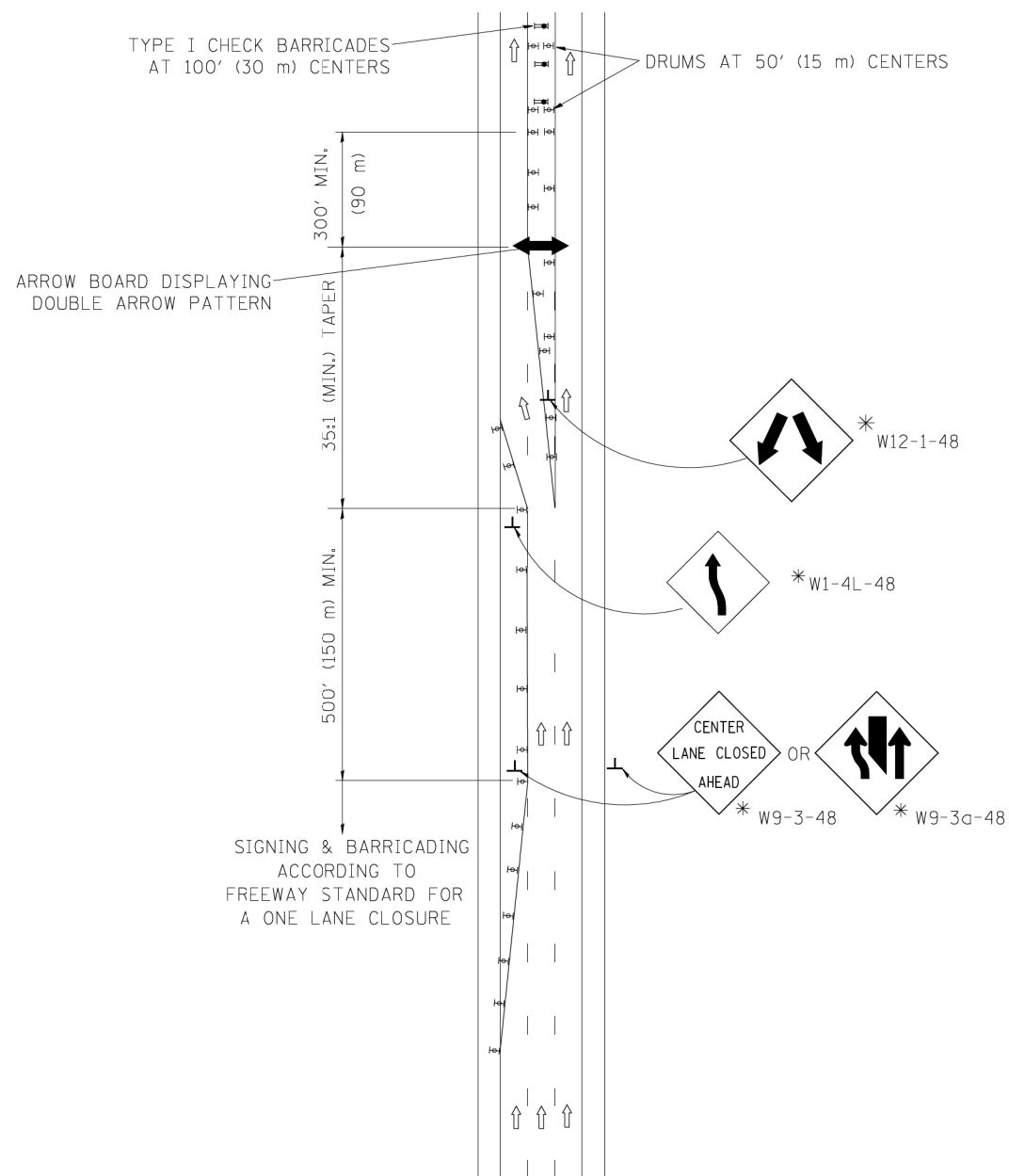
NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

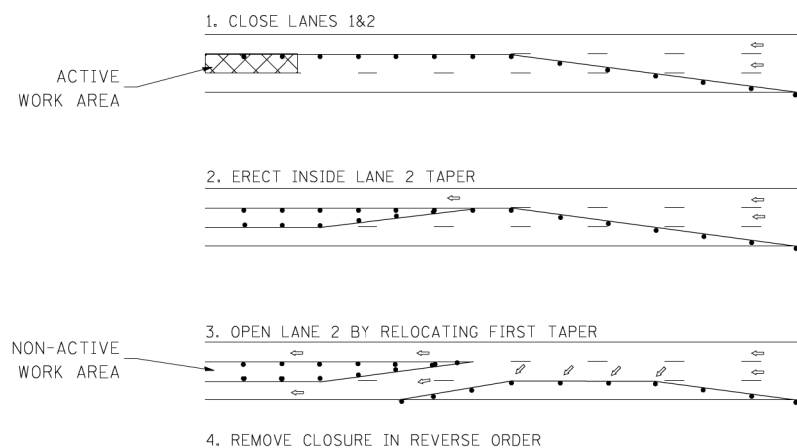
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 02-06	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\footemj\d0108315\tcl18.dgn		DRAWN -	REVISED - S.P.B. 01-07			57	2019-150-BR	COOK	46	45
		CHECKED -	REVISED - S.P.B. 12-09			<b>TC-18</b>		CONTRACT NO. 62K21		
		DATE -	REVISED - M.D. 06-13			FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			

# CENTER LANE CLOSURE



## INSTALLATION SEQUENCE

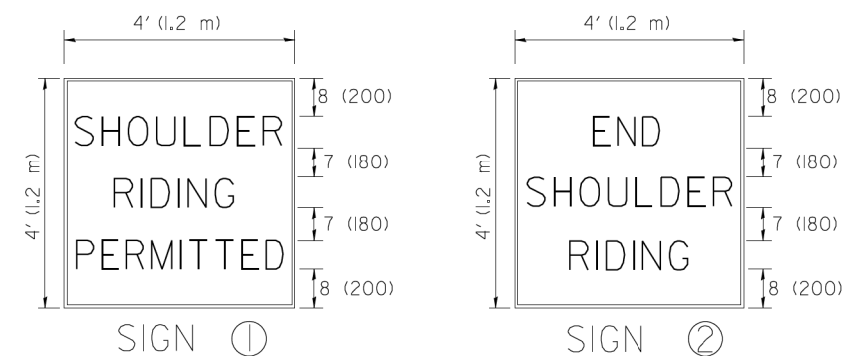
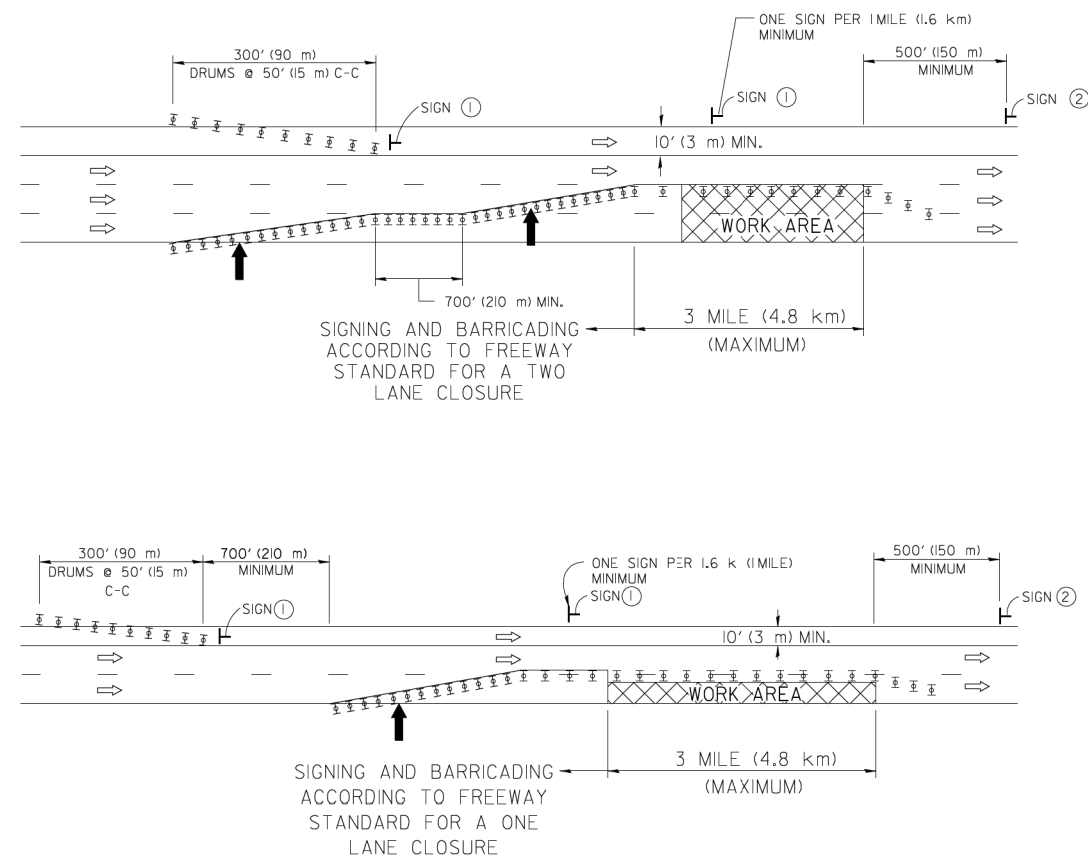


### NOTES

1. DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
2. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.
3. CENTER LANE CLOSURE CONFIGURATION IS NOT TO BE USED WITH WORKERS PRESENT.

# SHOULDER LANE

NOTE: CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.



6 (150) SERIES "C" LEGEND  
BLACK LEGEND  
WHITE REFLECT. BACKGROUND  
1 (25) BORDER

### SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ➡ ARROWBOARD
- ▣ ACTIVE WORK AREA
- ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT \*
- ⊥ TYPE II BARRICADE, OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

\* ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

FILE NAME = W:\diststd\22x34\tc25.dgn	USER NAME = lcyss	DESIGNED -	REVISED - J.A.F. 04-03
		DRAWN -	REVISED - S.P.B. 01-07
		CHECKED -	REVISED - S.P.B. 12-09
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY  
CENTER LANE CLOSURE SHOULDER LANE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2019-150-BR	COOK	46	46
TC-25		CONTRACT NO. 62K21		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				