

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE			
CODE NO.	ITEM	UNIT		TOTAL QUANTITY	90% FED 10% STATE	0047	
50102400	CONCRETE REMOVAL	CU YD	1.2	1.2			
50300255	CONCRETE SUPERSTRUCTURE	CU YD	1.2	1.2			
50300300	PROTECTIVE COAT	SQ YD	21	21			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	50	50			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6			
67100100	MOBILIZATION	L SUM	1	1			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1			
X0322215	CLEANING BRIDGE SCUPPERS AND DOWNSPOUTS	EACH	513	513			
X0900022	BRIDGE DRAINAGE SYSTEM REPAIR	FOOT	2100	2100			
X2200018	ORNAMENTAL FENCE	FOOT	2700	2700			
X7010410	SPEED DISPLAY TRAILER	CAL MO	1	1			
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1			
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	8	8			

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE			
CODE NO.	ITEM	UNIT		TOTAL QUANTITY	90% FED 10% STATE	0047	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	10	10			
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	1	1			
X0900046	PREFORMED JOINT SEAL, 1"	FOOT	384	384			
X0900058	PREFORMED JOINT SEAL, 2"	FOOT	303	303			
X2000030	PREFORMED JOINT SEAL, 2.5"	FOOT	78	78			
X0900047	PREFORMED JOINT SEAL, 3"	FOOT	477.5	477.5			
X1200201	STRIP SEAL GLAND REPLACEMENT	FOOT	799	799			

FILE PATH: P:\1718-748-1001-District 11\NG 2 Gen. Reg. Bridge Repair\Sheet 6.dwg 11/19/2018 10:50:00 AM



S83-600.dgn
 USER NAME: a1moad1000
 PLOT SCALE: 1
 PLOT DATE: 3/19/2018

DESIGNED - AI
 DRAWN - AI
 CHECKED - RTB
 DATE - 03/19/2018
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF
 TRANSPORTATION

SUMMARY OF QUANTITIES
 I-90/4 13TH ST TO 26TH ST

SCALE: SHEET 500-1 OF SHEETS STA. TO STA.

F.A.P. RIE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2018-008-BJR	COOK	133	3
CONTRACT NO. 62016				

REV. 6/5/18

201 5-11-18

TRAFFIC CONTROL GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. NOT USED
3. ALL LANE, RAMP AND SHOULDER CLOSURES ON THE EXPRESSWAY SHALL BE SET UP IN ACCORDANCE WITH 2018 ILLINOIS HIGHWAY STANDARDS FOR TRAFFIC CONTROL 701400, 701401, 701411, 701428, 701446, 701901 AND DISTRICT 1 TRAFFIC CONTROL DETAILS, TC-08, TC-09, TC-17.
4. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
5. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" X 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLOURESCENT ORANGE REFLECTORIZED BACKGROUND.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE TWO LOW INTENSITY FLASHING LIGHTS MOUNTED ON TOP OF EACH BARRICADE.
7. MAINTAIN EXISTING TRAFFIC SIGNS.
8. COVER ALL EXISTING TRAFFIC SPEED LIMIT SIGNS WHERE WORK ZONE SPEED LIMIT CHANGES ARE IMPLEMENTED.
9. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
10. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
11. PRIOR TO START OF CONSTRUCTION, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
12. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO ANY ANTICIPATED CLOSURES.
13. A MINIMUM 11' LANE WIDTH SHALL BE MAINTAINED ON ALL INTERSTATE LANES OPEN TO TRAFFIC DURING CONSTRUCTION.
14. NOT USED
15. NOT USED
16. NOT USED
17. NOT USED
18. NOT USED
19. NOT USED
20. THE CONTRACTOR SHALL COORDINATE WORK WITH PRIVATE UTILITY COMPANIES AND THEIR CONTRACTORS FOR ADJUSTMENTS, SUPPORTS, AND RELOCATION. UTILITY WORK WILL GENERALLY BE CONDUCTED PRIOR TO ROADWAY WORK, BUT CERTAIN ITEMS MAY NEED TO PROCEED IN CONCERT WITH CONSTRUCTION OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT AFFECTED UTILITIES AND COORDINATE WORK WITHIN THE CONSTRUCTION SCHEDULE. THE EFFORT OF WHICH WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
21. THE CONTRACTOR SHALL CONTACT THE DISTRICT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847)-705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847)-705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
22. SIGN W21-1(0)-48 SHALL BE TAKEN DOWN WHEN THE WORKERS ARE NOT PRESENT.
23. THE CONTRACTOR SHALL ONLY SET UP AND STORE EQUIPMENT DURING CONSTRUCTION AT THE SUGGESTED STAGING WORK ZONE AREAS SHOWN IN THE PLANS OR AS APPROVED BY THE ENGINEER. THE SUGGESTED STAGING AREAS SHOWN IN THE PLANS ARE SUBJECT TO FIELD MODIFICATION AS DETERMINED BY THE ENGINEER. THE SUGGESTED STAGING AREAS MAY BE SHARED WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT. CONTRACTOR COOPERATION IS REQUIRED.

24. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS). ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST TRAFFIC CONTROL AND PROTECTING, (EXPRESSWAYS).
25. COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THIS PROJECT. NO ADDITIONAL COMPENSATION IS ALLOWED. CONTACT THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR WITH ANY QUESTIONS (847)-705-4155
26. EACH DECK PATCH AND PARAPET REPAIR LOCATION IS TO BE COMPLETED IN 1 NIGHT. IN THE EVENT CONSTRUCTION EXCEEDS THE CONTRACTUAL SCHEDULE, THE CONTRACTOR SHALL STAGE THE WORK TO ALLOW EXISTING CORRIDOR DEMANDS UNTIL THE CONTRACT IS DONE AT NO ADDITIONAL COST TO THE DEPARTMENT.
27. PLEASE SEE THE CONTRACT SPECIAL PROVISIONS, KEEPING THE EXPRESSWAY OPEN TO TRAFFIC SPECIAL PROVISION FOR ALLOWABLE LANE CLOSURE HOURS.
28. 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 ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.

STAGING NARRATIVE

1. THE STAGING HEREIN IS TO DESCRIBE THE CONSTRUCTION STAGING FOR DECK PATCHES 1-3 ON NB I-90/94, S.N. 016-1112.
2. DECK PATCH 4 ON SB I-90/94, S.N. 016-0137, WILL NOT REQUIRE STAGED CONSTRUCTION.
3. PARAPET REPAIRS TO I-90/94, S.N. 016-1140, RAMP B, WILL NOT REQUIRE STAGED CONSTRUCTION. PARAPET REPAIRS WILL REQUIRE A FULL RAMP CLOSURE AND DETOUR.

STAGE 1 - PATCH 1

MAINTENANCE OF TRAFFIC ALONG NB I-90/94, S.N. 016-1112

- RAMP C
 - MAINTAIN A SINGLE LANE, 11-FOOT WIDE MINIMUM, OF RAMP C TRAFFIC TO ADJOIN WITH I-90/94 THROUGH LANE TRAFFIC.
 - CONSTRUCT A 540 FOOT LANE CLOSURE TAPER FOR THE RIGHT LANE WITH DIRECTION INDICATOR BARRICADES SPACED 25 FEET APART. BEGIN TAPER 400 FEET UPSTREAM OF CONCRETE BARRIER GORE.
 - PROTECT WORK ZONE WITH TYPE II BARRICADES. WORK ZONE BEGINS 200 FEET UPSTREAM OF CONCRETE BARRIER GORE AND ENDS 100 FEET DOWNSTREAM OF THE GORE.
 - SURROUND THE PERIMETER OF THE WORK ZONE WITH TYPE II BARRICADES SPACED 50 FEET APART.
 - INSTALL ARROW BOARD 75 FEET DOWNSTREAM FROM THE BEGINNING OF THE TAPER.
 - INSTALL CONSTRUCTION SIGNS IN SUCCESSIVE ORDER EACH SPACED 200 FEET APART IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLAN. CONSTRUCTION APPROACH SIGNS END 540 FEET UPSTREAM OF THE BEGINNING OF THE LANE CLOSURE TAPER.

STAGE 2 - PATCHES 2 AND 3

MAINTENANCE OF TRAFFIC ALONG NB I-90/94, S.N. 016-1112

- RAMP C
 - MAINTAIN A SINGLE LANE, 11-FOOT WIDE MINIMUM, OF RAMP C TRAFFIC TO ADJOIN WITH I-90/94 THROUGH LANE TRAFFIC.
 - CONSTRUCT A 540 FOOT LANE CLOSURE TAPER FOR THE LEFT LANE WITH DIRECTION INDICATOR BARRICADES SPACED 20 FEET APART. TAPER IS TO BEGIN 70 FEET UPSTREAM OF CONCRETE BARRIER GORE.
 - PROTECT WORK ZONE WITH TYPE II BARRICADES SPACED 100 FEET APART. WORK ZONE BEGINS 140 FEET DOWNSTREAM OF CONCRETE BARRIER GORE AND ENDS 350 FEET FURTHER DOWNSTREAM.
 - INSTALL ARROW BOARD 75 FEET DOWNSTREAM OF BEGINNING OF THE TAPER.
 - INSTALL CONSTRUCTION SIGNS IN SUCCESSIVE ORDER EACH SPACED 200 FEET APART IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLAN. CONSTRUCTION APPROACH SIGNS END 200 FEET UPSTREAM OF THE BEGINNING OF THE LANE CLOSURE TAPER.
 - WORK ZONE IS TO BE COMBINED WITH THE WORK ZONE FOR BRIDGE DECK REPAIR 3. BRIDGE DECK REPAIR 3 IS IN THE RIGHT MOST THROUGH LANE OF I-90/94 NB.
- NB I-90/94 THROUGH LANES
 - WORK ZONE IS TO BE COMBINED WITH THE WORK ZONE FOR BRIDGE DECK REPAIR 2. BRIDGE DECK REPAIR 2 IS IN THE LEFT LANE OF RAMP C.
 - MAINTAIN 3 LANES OF THROUGH TRAFFIC AT ALL TIMES.
 - PROTECT WORK ZONE WITH TYPE II BARRICADES ALONG THE PERIMETER SPACED 100 FEET APART.
 - PROTECT WORK ZONE WITH TYPE II BARRICADES 500 FEET UPSTREAM OF THE WORK ZONE SPACED 100 FEET APART.
 - CONSTRUCT A 1000 FOOT TAPER WITH DIRECTION INDICATOR BARRICADES SPACED 50 FEET APART, UPSTREAM OF THE TYPE II BARRICADES.
 - INSTALL ROAD CONSTRUCTION SIGNS, ARROW BOARDS, AND PCMS IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLAN.

MAINTENANCE OF TRAFFIC ALONG SB I-90/94, S.N. 016-0137

- PROTECT WORK ZONE WITH TYPE II BARRICADES ALONG THE PERIMETER SPACED 100 FEET APART.
 - PROTECT WORK ZONE WITH TYPE II BARRICADES 500 FEET UPSTREAM OF THE WORK ZONE SPACED 100 FEET APART.
 - CONSTRUCT A 1000 FOOT TAPER WITH DIRECTION INDICATOR BARRICADES SPACED 50 FEET APART, UPSTREAM OF THE TYPE II BARRICADES.
 - CONSTRUCT A 1000 FOOT TANGENT WITH TYPE II BARRICADES SPACED 50 FEET APART, UPSTREAM OF THE DIRECTION INDICATOR BARRICADES.
 - REPEAT TAPER AND TANGENT DISTANCES FOR THREE LANE CLOSURE
 - INSTALL ROAD CONSTRUCTION SIGNS, ARROW BOARDS, AND PCMS IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLAN.
- RAMP
- CONSTRUCT A 540 FOOT LANE CLOSURE TAPER FOR THE LEFT LANE WITH DIRECTION INDICATOR BARRICADES SPACED 25 FEET APART. BEGIN TAPER 50 FEET DOWNSTREAM OF CONCRETE BARRIER GORE.
 - LANE CLOSURE IS DONE IN ORDER TO AVOID MAINLINE CONFLICT
 - INSTALL CONSTRUCTION SIGNS IN SUCCESSIVE ORDER EACH SPACED 200 FEET APART IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC PLAN.
 - CONSTRUCTION APPROACH SIGNS END 200 FEET UPSTREAM OF THE BEGINNING OF THE LANE CLOSURE TAPER.

MODEL: D:\a\it... FILE NAME: P:\0618003-02-PTB... 185-013-00402_HBM_Dm_Ryan_Bridge_Repairs\01CAD\Sheet05_Dan_Ryan_General_Notes.dgn



USER NAME = tmohammed	DESIGNED - TOM	REVISED - 05/22/2018
PLOT SCALE = 2,0000' / in.	DRAWN - LG, YN	REVISED -
PLOT DATE = 5/23/2018	CHECKED - JA	REVISED -
	DATE - 05/22/2018	REVISED -

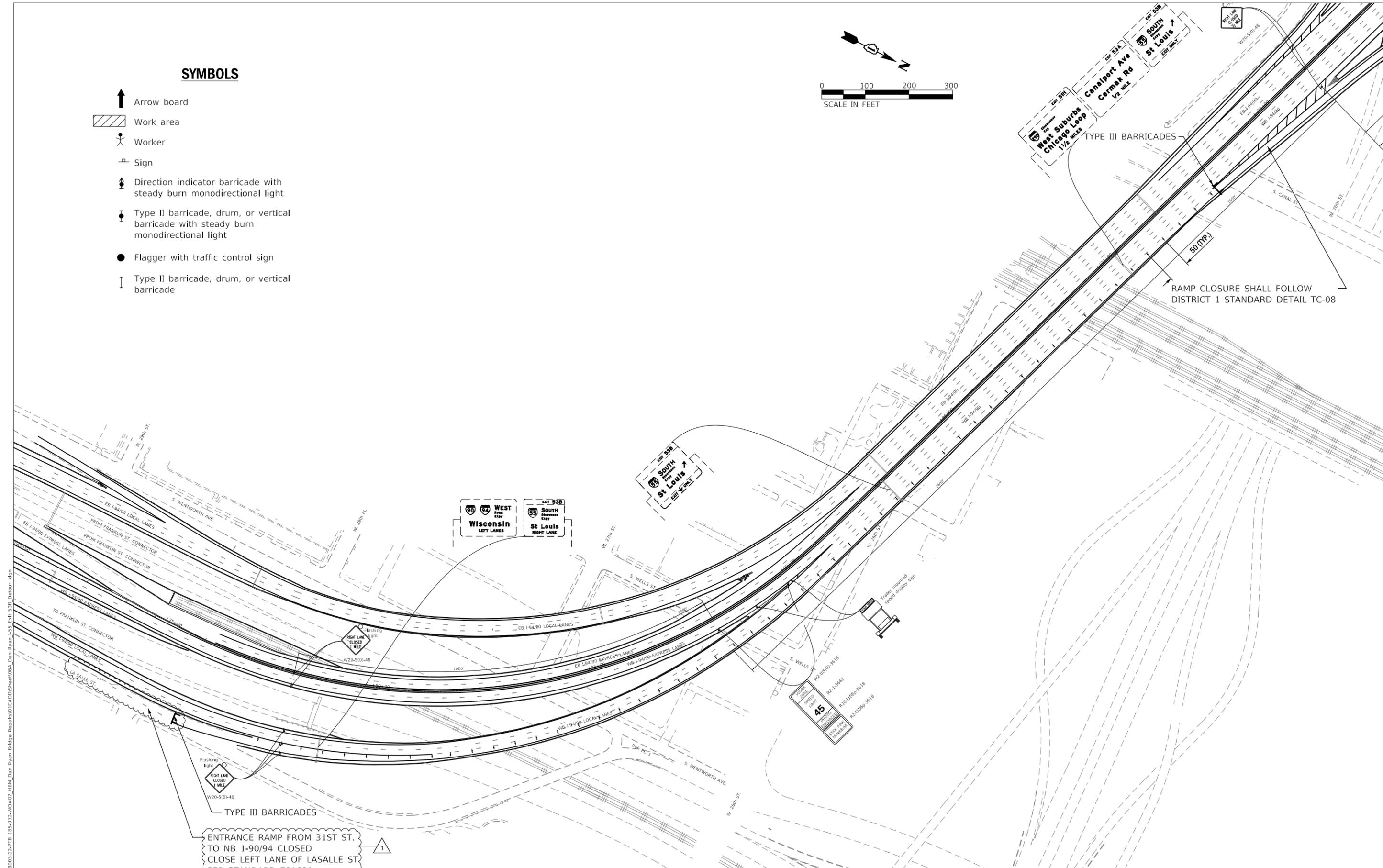
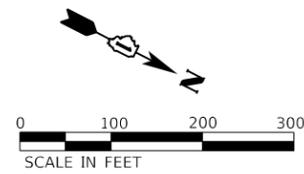
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I 94/90 (DAN RYAN EXPRESSWAY) BRIDGE REPAIRS
TRAFFIC CONTROL GENERAL NOTES**

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2018-008-BJR	COOK	133	5
SCALE:			CONTRACT NO. 62G16	
SHEET OF SHEETS		ILLINOIS FED. AID PROJECT		

SYMBOLS

-  Arrow board
-  Work area
-  Worker
-  Sign
-  Direction indicator barricade with steady burn monodirectional light
-  Type II barricade, drum, or vertical barricade with steady burn monodirectional light
-  Flagger with traffic control sign
-  Type II barricade, drum, or vertical barricade



MODEL: D:\a\h\111 S. Wacker Drive, Suite 3910 Chicago, IL 60606 Ph: 312-235-6783
 FILE NAME: P:\0618003\02-PTB_185-012-W0402_HBM_Dm_Rydn_Bridge_Repairs\01CADD\Sheet06A.Dwg, Ryan, L&S, EVM, 53B, Detour.dwg
 MODEL: D:\a\h\111 S. Wacker Drive, Suite 3910 Chicago, IL 60606 Ph: 312-235-6783
 FILE NAME: P:\0618003\02-PTB_185-012-W0402_HBM_Dm_Rydn_Bridge_Repairs\01CADD\Sheet06A.Dwg, Ryan, L&S, EVM, 53B, Detour.dwg

AES
ENGINEERS & SURVEYORS

111 S. Wacker Drive,
Suite 3910
Chicago, IL 60606
Ph: 312-235-6783

USER NAME = tmoahammed	DESIGNED - TOM	REVISED - 05/22/2018
PLOT SCALE = 200.0000' / in.	DRAWN - LG, YN	REVISED -
PLOT DATE = 5/23/2018	CHECKED - JA	REVISED -
	DATE - 05/22/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I 94/90 (DAN RYAN EXPRESSWAY) BRIDGE REPAIRS
DETOUR ROUTE FOR RAMP "B" (SHEET 2 OF 2)**

SCALE: SHEET OF SHEETS STA. TO STA.

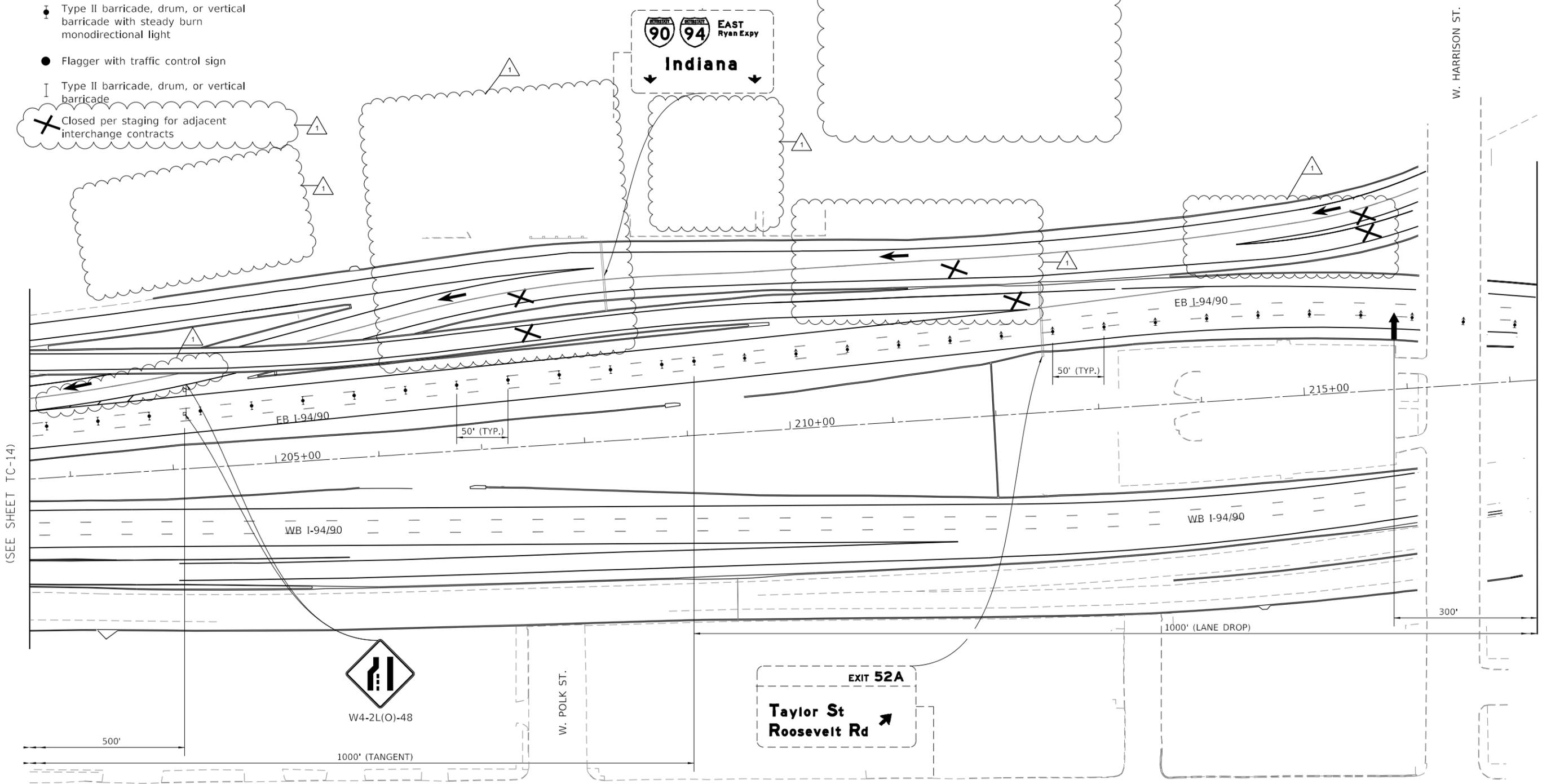
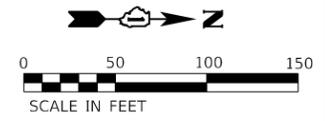
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2018-008-BJR	COOK	133	6A
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G16	

TC - 2A

SYMBOLS

-  Arrow board
-  Work area
-  Worker
-  Sign
-  Direction indicator barricade with steady burn monodirectional light
-  Type II barricade, drum, or vertical barricade with steady burn monodirectional light
-  Flagger with traffic control sign
-  Type II barricade, drum, or vertical barricade
-  Closed per staging for adjacent interchange contracts

NOTE:
 1) THIS TRAFFIC CONTROL WILL NEED TO BE CLOSELY COORDINATED WITH THE ONGOING JANE BYRNE INTERCHANGE PROJECT.
 2) TRAFFIC CONTROL PLAN WAS DEVELOPED BASED ON EXISTING CONDITIONS, AND MAY NEED TO BE MODIFIED TO MATCH THE TRAFFIC PATTERN IN PLACE AT THE TIME OF CONSTRUCTION.



MODEL: D:\a\h\i\ FILE NAME: P:\60618003\02-PTB_185-013-W0402_HBM_Dan_Ryan_Bridge_Repairs\01CADD\Sheet19_Dan_Ryan_MOT_SB_Sht_3.dgn

(SEE SHEET TC-14)

(SEE SHEET TC-16)



USER NAME = tmohammed	DESIGNED - TOM	REVISED - 05/22/2018
DRAWN - LG, YN	CHECKED - JA	REVISED -
PLOT SCALE = 100,0000' / in.	DATE - 05/22/2018	REVISED -
PLOT DATE = 5/24/2018		

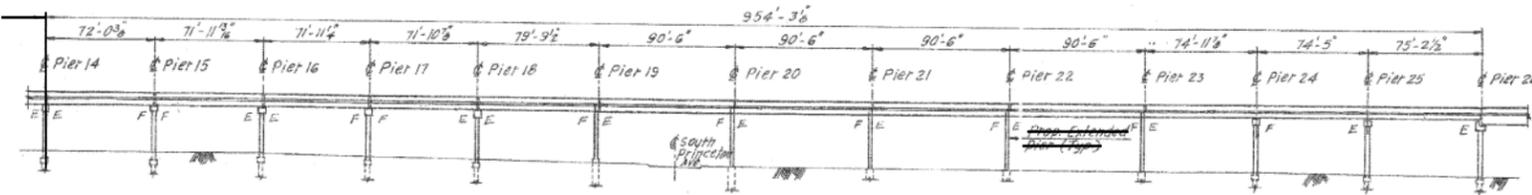
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I 94/90 (DAN RYAN EXPRESSWAY) BRIDGE REPAIRS
TRAFFIC CONTROL SB (SHEET 3 OF 6)

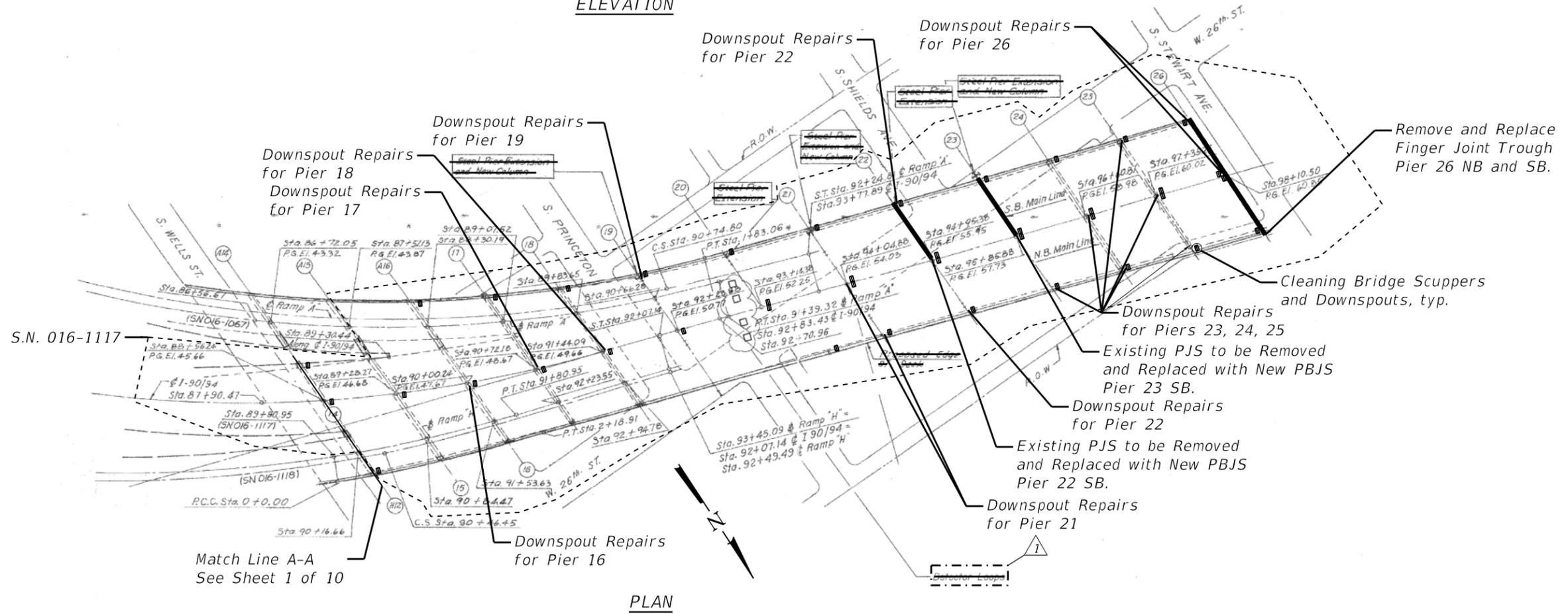
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2018-008-BJR	COOK	133	19
CONTRACT NO. 62G16				
ILLINOIS FED. AID PROJECT				

TC - 15

Match Line A-A
See Sheet 1 of 10



ELEVATION



PLAN

Match Line A-A
See Sheet 1 of 10

GENERAL PLAN AND ELEVATION - II
I-90/94 (DAN RYAN EXPRESSWAY)
OVER STEWART ST. TO 29TH ST.

F.A.I. 94
SECTION 2018-008-BJR
COOK COUNTY
STRUCTURE NO. 016-1117

MODEL: Default
FILE NAME: Q:\Engineering\Live\Projects\13040_IDOT DUR HB\Work Order 2\CADD\CADD Sheets\Structural\016-1117-02_GPE-2.dgn



USER NAME =	DESIGNED - SAT	REVISED - 05/24/2018 MS
	CHECKED - JMT	REVISED -
PLOT SCALE =	DRAWN - SAT	REVISED -
PLOT DATE =	CHECKED - SPS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET S17-2 OF S17-10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2018-008-BJR	COOK	133	111
CONTRACT NO. 62G16				
ILLINOIS FED. AID PROJECT				