

018

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAU ROUTE 383: IL 113 (JOHNSON RD.) OVER FAI ROUTE 55 (I-55)
SECTION 2019-086-BR
BRIDGE REPAIRS
SN 099-0151
WILL COUNTY
C-91-003-20

F.A.U. DTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
383	2019-086-BR	WILL	* 35	1
ILLINOIS			CONTRACT NO. 62J60	

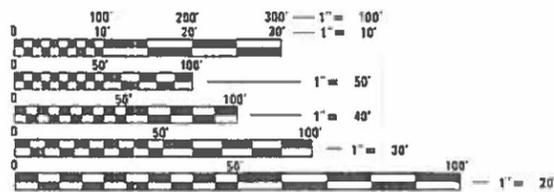
* 35 + 3 = 38 TOTAL SHEETS
D-91-225-20



THE IMPROVEMENT IS LOCATED IN THE CITY OF BRAIDWOOD,
WILMINGTON TOWNSHIP AND REED TOWNSHIP

DESIGN DESIGNATION:
OTHER PRINCIPAL ARTERIAL

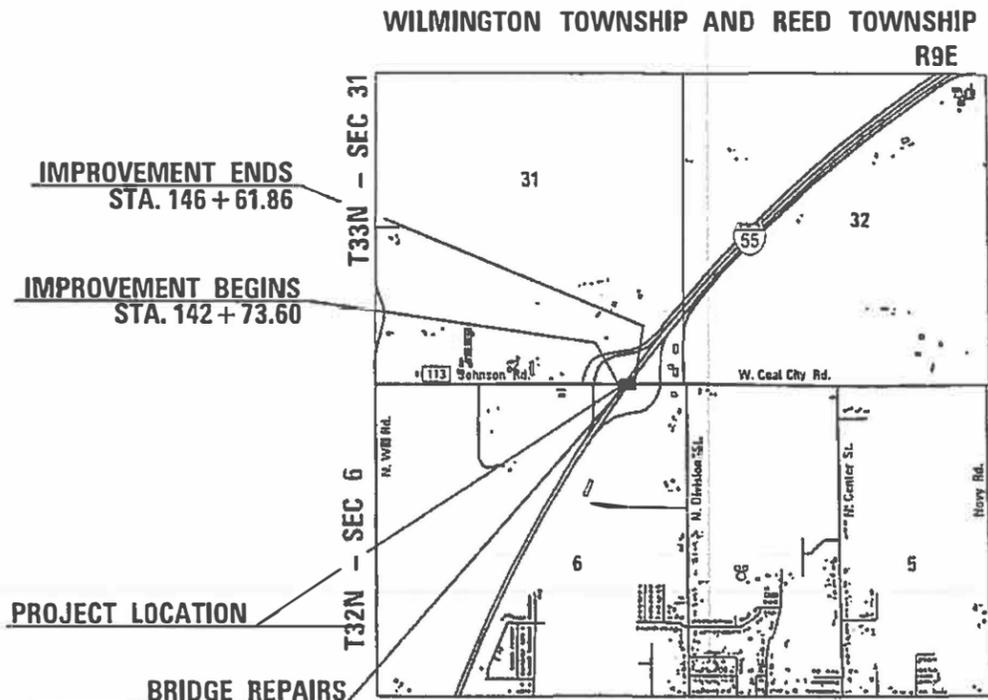
TRAFFIC DATA:
AADT (2019) = 11,100
POSTED SPEED = 45 MPH



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-6123
OR 811

PROJECT ENGINEER: PRAVEEN KAINI, PE
(847) 705-4237
PROJECT MANAGER: FAWAD AQUEEL, PE, PTOE
(847) 705-4247
CONTRACT NO. 62J60



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 388 FT. = 0.073 MILE
NET LENGTH = 388 FT. = 0.073 MILE



DATE 10/10/19
LICENSE EXPIRES ON 11/30/2019

FOR STRUCTURAL SEAL SEE SHEET
NO. 16 (GENERAL PLAN AND
ELEVATION)

wood.
ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-003562-0014
3745 W. HIGGINS ROAD
SUITE 300
CHICAGO, IL 60631
773-693-6030

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED 09/25/19
Regional Engineer
Engineer of Design and Environment
Director of Highways Project Implementation

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SEDIMENT CONTROL SCHEDULE

LOCATION		28000305	28000500
STATION	LT/RT	FOOT	EACH
139+15.52	RT	7	
149+82.71	RT	7	
139+43.13	RT		1
139+60.70	LT		1
141+31.21	RT		1
141+49.50	LT		1
143+14.98	RT		1
143+42.94	LT		1
145+89.52	RT		1
146+19.05	LT		1
147+74.21	RT		1
147+99.51	LT		1
149+76.42	RT		1
150+02.98	LT		1
TOTAL		14	12

PAVEMENT SCHEDULE

LOCATION			40600290	40600982	40603085	40604062	44000100	*X4400100	*X4401198
FROM STATION	TO STATION	LT/RT	POUND	SQ YD	TON	TON	SQ YD	SQ YD	SQ YD
142+73.60	143+08.60	LT/RT		148					
146+26.86	146+61.86	LT/RT		147					
140+30.12	143+26.00	LT/RT	422		112	28			
140+30.12	141+58.57	LT/RT					86		
146+18.00	149+15.72	LT/RT	435		116	28			
147+77.17	149+15.72	LT/RT					92		
142+73.60	143+37.61	LT/RT	594			34			
145+68.12	146+61.86	LT/RT	582			33		41	
143+26.27	143+56.93	LT/RT						41	
145+86.93	146+17.60	LT/RT							
142+83.60	143+35.60	LT							33
142+83.60	143+08.60	RT							18
146+26.86	146+51.86	LT							19
145+98.57	146+51.86	RT							33
143+17.48	143+47.48	RT							
143+26.27	143+56.27	LT							
145+78.82	146+08.82	RT							
145+87.60	146+17.60	LT							
TOTAL			2,033	295	228	123	178	82	103

TEMPORARY CONCRETE BARRIER SCHEDULE

LOCATION				70400100	70400200	70600260	70600332	78200011
FROM STATION	TO STATION	LT/RT	FOOT	FOOT EACH	EACH	EACH	EACH	EACH
STAGE 1	142+19.24	147+05.60	RT	487.5				42
STAGE 3	144+72.99	148+37.43	RT	362.5				30
STAGE 3	140+96.40	149+51.95	LT	850				70
STAGE 2	142+29.80	147+16.34	LT		487.5			
STAGE 3	139+84.41	144+72.99	RT		487.5			
STAGE 1	142+19.24		RT			1		
STAGE 1	147+05.60		RT			1		
STAGE 2	142+29.80		LT				1	
STAGE 2	147+16.34		LT				1	
STAGE 3	139+84.41		LT				1	
STAGE 3	149+51.95		LT				1	
TOTAL				1,700.0	975.0	2	4	142

TEMPORARY PAVEMENT MARKING SCHEDULE

LOCATION			DESCRIPTION	*70300904	*X7030005
FROM STATION	TO STATION	LT/RT	DESCRIPTION	PAVEMENT MARKING TAPE, TYPE IV 4"	TEMPORARY PAVEMENT MARKING REMOVAL
139+87.05	140+30.17	LT	WHITE SOLID	43.1	14.2
140+30.17	141+58.75	LT	SOLID DOTTED	32.1	10.6
147+77.17	149+15.66	RT	SOLID DOTTED	34.6	11.4
149+15.66	149+76.00	RT	WHITE SOLID	60.3	19.9
140+30.17	149+43.11	LT	YELLOW SOLID	912.9	301.3
140+07.52	149+15.69	RT	YELLOW SOLID	908.2	299.7
140+00.00		LT	ARROW	45.5	15.0
140+24.00		LT	LETTERS	64.1	21.2
STAGE I					
139+87.05	141+20.70	LT	WHITE SOLID	133.7	44.1
139+25.60	148+71.86	RT	WHITE SOLID	945.1	311.9
141+20.70	142+63.21	LT	SOLID DOTTED	35.6	11.8
140+30.19	141+20.70	RT	YELLOW SOLID	177.5	58.6
141+20.70	146+71.86	LT/RT	YELLOW DOUBLE	1,102.3	363.8
146+71.86	149+15.68	RT	YELLOW SOLID	488.1	161.1
147+55.20	148+71.86	RT	SOLID DOTTED	29.2	9.6
148+71.86	149+76.02	RT	WHITE SOLID	104.2	34.4
STAGE II					
139+87.05	140+93.60	LT	WHITE SOLID	106.6	35.2
140+64.86	150+09.86	LT	WHITE SOLID	945.0	311.9
140+93.60	141+85.13	LT	SOLID DOTTED	22.9	7.6
140+30.19	142+63.60	LT/RT	YELLOW SOLID	467.3	154.2
142+63.60	148+00.50	LT/RT	YELLOW DOUBLE	1,080.0	356.4
148+00.50	149+15.68	LT	YELLOW SOLID	224.6	74.1
146+72.28	148+00.50	RT	SOLID DOTTED	32.1	10.6
148+00.50	149+76.02	RT	WHITE SOLID	175.5	57.9
STAGE III					
139+87.05	140+30.17	LT	WHITE SOLID	43.1	14.2
140+30.17	141+58.75	LT	SOLID DOTTED	32.1	10.6
147+77.17	149+15.66	RT	SOLID DOTTED	34.6	11.4
149+15.66	149+76.00	RT	WHITE SOLID	60.3	19.9
140+30.17	149+43.11	LT	YELLOW SOLID	1,013.7	334.5
140+07.52	149+15.69	RT	YELLOW SOLID	1,012.5	334.1
TOTAL				10,367	3,421

PERMANENT PAVEMENT MARKING SCHEDULE

LOCATION				DESCRIPTION	78000100	78000200	78000400	78000600	78009004	78009012	X0327979
FROM STATION	TO STATION	LT/RT	DESCRIPTION	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	PAVEMENT MARKING REMOVAL - GRINDING
141+21.00		LT	ARROW	ARROW	15.6						
141+44.00		LT	LETTERS	LETTERS	20.8						
147+91.00		RT	LETTERS	LETTERS	20.8						
148+15.00		RT	ARROW	ARROW	15.6						
143+08.60	143+39.36	RT	WHITE EDGE	WHITE EDGE		30.7					
143+35.60	143+65.73	LT	WHITE EDGE	WHITE EDGE		30.1					
143+39.36	145+69.36	RT	WHITE EDGE	WHITE EDGE				230.0			
143+65.73	145+95.73	LT	WHITE EDGE	WHITE EDGE				230.0			
145+69.36	146+00.65	RT	WHITE EDGE	WHITE EDGE							
145+95.73	146+26.86	LT	WHITE EDGE	WHITE EDGE				31.1			
140+30.11	141+58.57	RT	YELLOW EDGE	YELLOW EDGE				128.5			
140+30.11	141+58.50	RT	YELLOW EDGE	YELLOW EDGE				128.5			
147+77.17	149+15.70	LT	YELLOW EDGE	YELLOW EDGE				138.5			
147+77.17	149+15.70	RT/LT	YELLOW EDGE	YELLOW EDGE				138.5			
141+58.57	143+52.54	LT/RT	DOUBLE YELLOW	DOUBLE YELLOW				387.9			
141+58.50	143+52.54	RT	DOUBLE YELLOW	DOUBLE YELLOW				388.1			
143+52.54	145+82.54	LR	DOUBLE YELLOW	DOUBLE YELLOW					460.0		
143+52.54	145+82.54	RT	DOUBLE YELLOW	DOUBLE YELLOW					460.0		
145+82.54	147+77.17	LT	DOUBLE YELLOW	DOUBLE YELLOW				389.3			
145+82.54	147+77.17	LT/RT	DOUBLE YELLOW	DOUBLE YELLOW				389.3			
139+86.42	141+58.69	LT	WHITE TURN	WHITE TURN			172.3				
147+77.09	149+76.02	RT	WHITE TURN	WHITE TURN			198.9				
141+58.69	143+29.32	LT	SKIP DASH	SKIP DASH				42.7			
146+05.77	147+77.09	RT	SKIP DASH	SKIP DASH				42.8			
141+58.57	143+52.54	LT/RT	DIAGONALS	DIAGONALS					135.0		
145+82.54	147+77.17	LT/RT	DIAGONALS	DIAGONALS					129.0		
143+52.54	145+82.54	LT/RT	DIAGONALS	DIAGONALS						204.0	
139+86.42	141+58.69	LT	WHITE TURN	WHITE TURN							86.1
147+77.09	149+76.02	RT	WHITE TURN	WHITE TURN							99.5
141+58.69	142+73.60	LT	SKIP DASH	SKIP DASH							14.4
146+61.86	147+77.09	RT	SKIP DASH	SKIP DASH							14.4
141+22.00		LT	ARROW	ARROW							15.6
141+43.00		LT	LETTERS	LETTERS							20.8
147+94.00		RT	LETTERS	LETTERS							20.8
148+15.00		RT	ARROW	ARROW							15.6
TOTAL					72.8	2,212	457	264	1,380	204	287

MEDIAN SCHEDULE

LOCATION			42001300	*X4403300	*X6060500	*X6061100
FROM STATION	TO STATION	LT/RT	PROTECTIVE COAT	CONCRETE MEDIAN REMOVAL	CORRUGATED MEDIAN REMOVAL	CONCRETE MEDIAN, TYPE SB (SPECIAL)
140+30.12	141+58.57	RT	86	770		770
147+77.17	149+15.72	LT	92	833		833
141+58.57	143+26.27	LT/RT			1,433	
146+08.82	147+77.17	LT/RT			1,449	
TOTAL			178	1,603	2,882	1,603

INLET SCHEDULE

LOCATION		60260100
STATION	LT/RT	INLETS TO BE ADJUSTED
143+14.98	RT	1
143+42.94	LT	1
145+89.52	RT	1
146+19.05	LT	1
TOTAL		4



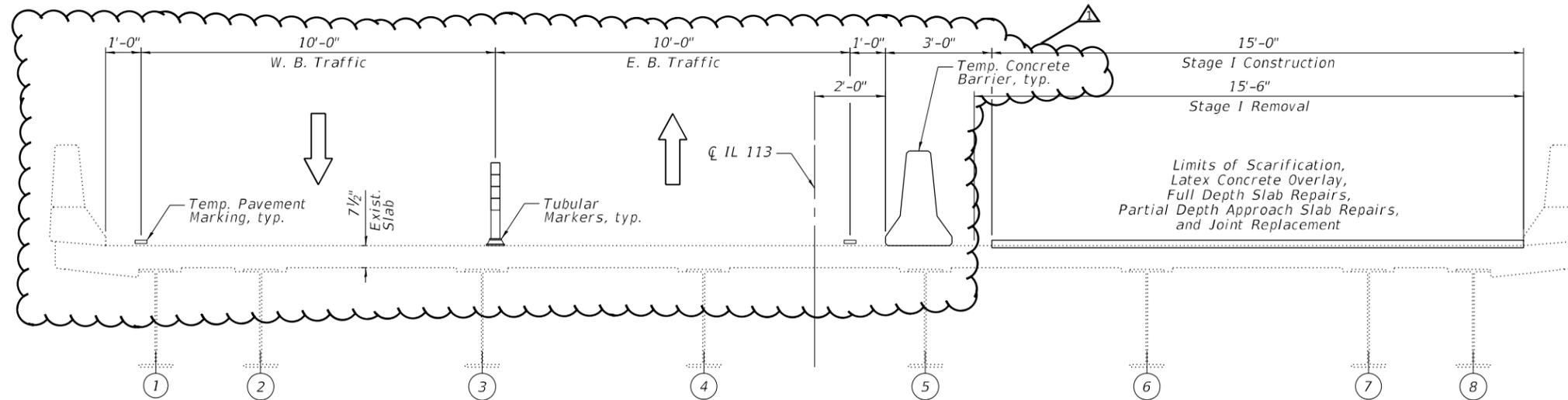
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 DESIGNED - KE
 DRAWN - GP
 CHECKED - PK
 DATE - 10/17/19

REVISED - 12/30/2019 PK
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

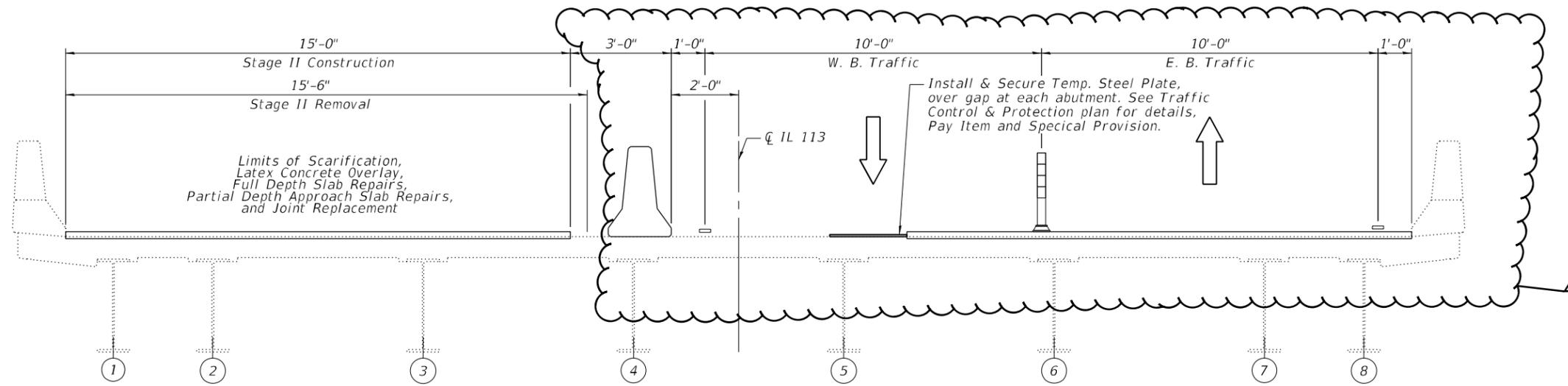
IL 113 OVER I-55
 SCHEDULE OF QUANTITIES
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. R.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
 383 2019-086-BR WILL 35 6
 CONTRACT NO. 62J60
 ILLINOIS FED. AID PROJECT

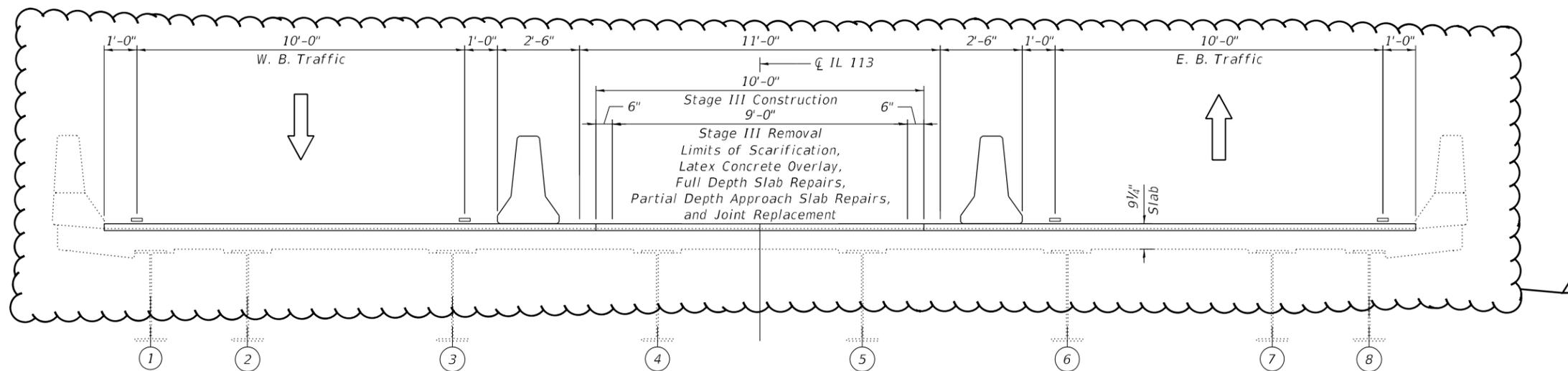


STAGE I REMOVAL & CONSTRUCTION
(Looking East)

Note:
Diaphragm removal and installation at the abutments will be completed full length between beams 5-6 during Stage I and beams 3-4 during Stage II. The new concrete and joint installation will be completed to the limits shown for the deck work.



STAGE II REMOVAL & CONSTRUCTION
(Looking East)



STAGE III REMOVAL & CONSTRUCTION
(Looking East)

MODEL: Default
FILE NAME: S:\2018\181042-AES PH2 IDOT D1-PTB 185-02\WO16-CN15213-IL-113 over I-55\CADD\CADD Sheets\0990151-CN62160-003-05-Stage Constr. Details.dgn
11/15/2019 9:33:33 AM



USER NAME = wmoahammed	DESIGNED - AWM	REVISED Δ 12/30/2019 KE
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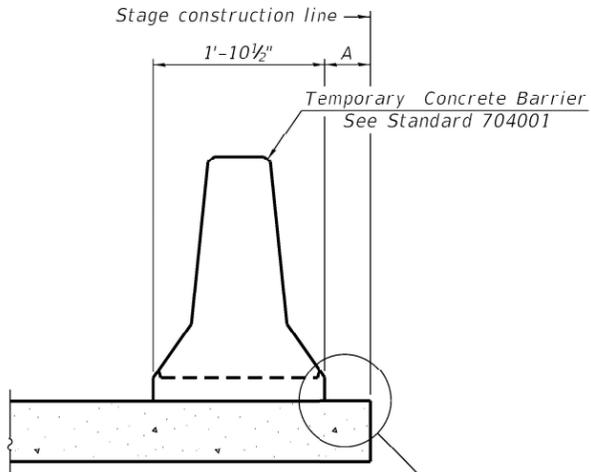
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 099-0151**

SHEET 3 OF 16 SHEETS

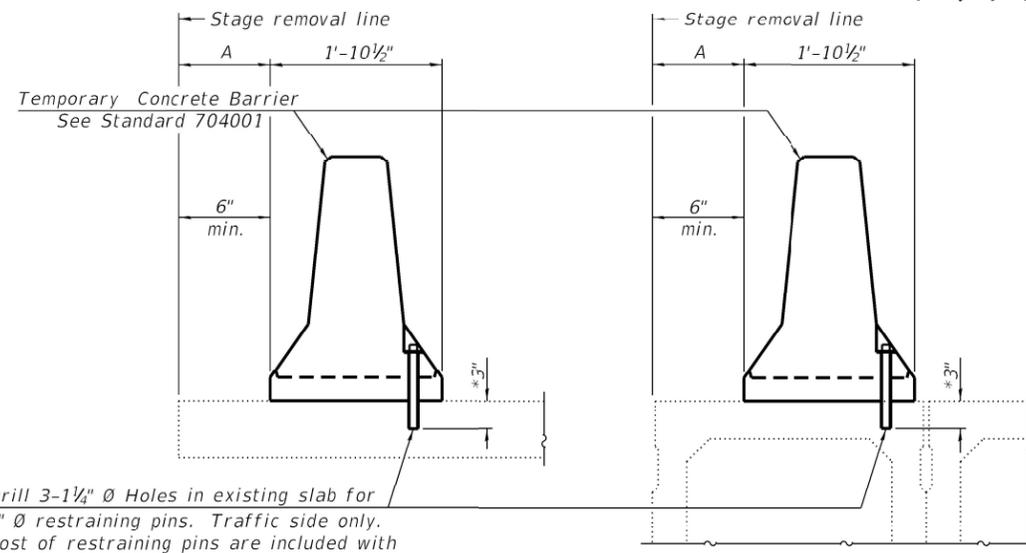
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0383	2019-086-BR	WILL	35	18
CONTRACT NO. 62J60				

ILLINOIS FED. AID PROJECT



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

NEW SLAB OR NEW DECK BEAM

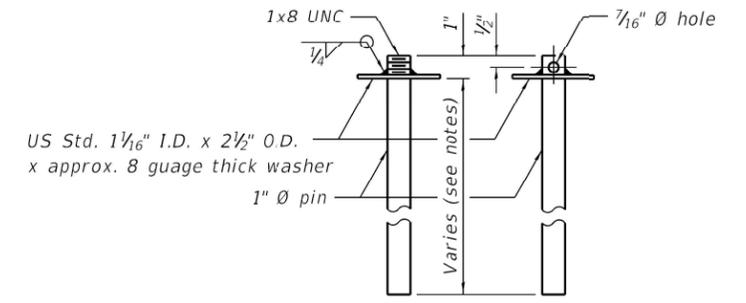


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

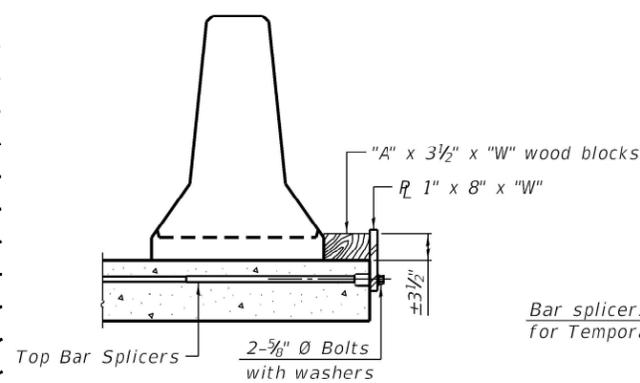
EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

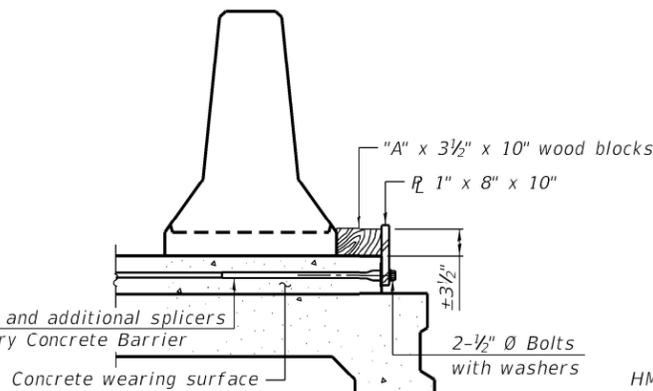


RESTRAINING PIN

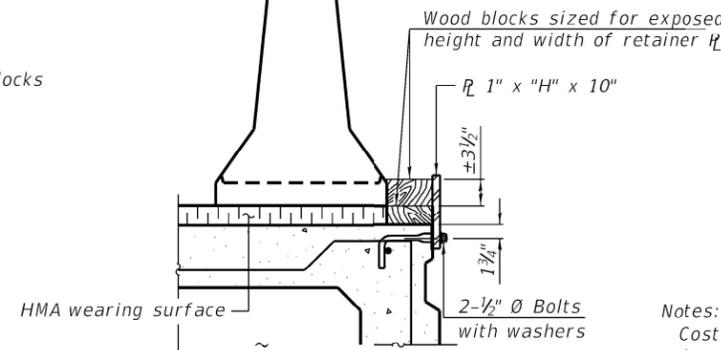
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.



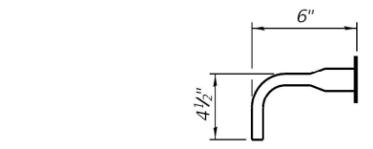
DETAIL I



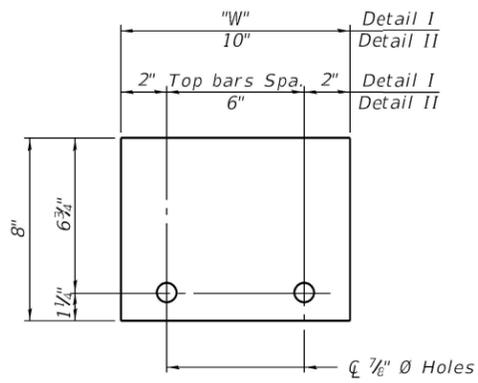
DETAIL II



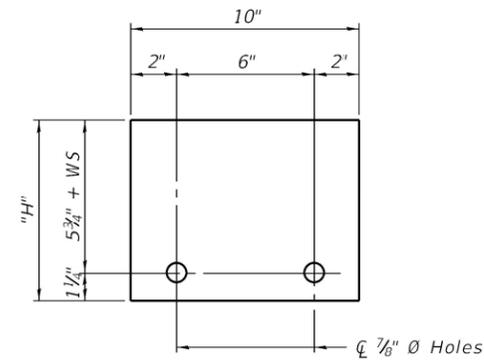
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate \bar{C} of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

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

MODEL: Defaul... FILE NAME: S:\2013\1810-02-AES PH2 IDOT D1-PTB 185-02\WO16-CN15213-IL-113 over 155\CADD\CADD Sheets\0990151-CN62160-003A-Temp Conc Barrier.dgn

R-27 2-17-2017



USER NAME =	W/Mohammed	DESIGNED -	AWM	REVISED Δ	12/30/2019	KE
CHECKED -	SDY	REVISOR -		REVISOR -		
PLOT SCALE =	0:2.0000 "/in.	DRAWN -	KFO	REVISOR -		
PLOT DATE =	10/29/2019	CHECKED -	MDC	REVISOR -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 099-0151

SHEET 3A OF 16 SHEETS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0383	2019-086-BR	WILL	35	18A
CONTRACT NO. 62J60				

ILLINOIS FED. AID PROJECT