

**INDEX OF SHEETS**

01-18-2019 LETTING ITEM 050

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- 9-10. STAGING DETAILS FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701321
- 11-19. STRUCTURE REPAIR PLANS
20. TYPICAL DETAILS

**STANDARDS**

- |           |   |
|-----------|---|
| 000001-07 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS                                    |
| 001001-02 | AREAS OF REINFORCEMENT BARS   |
| 001006    | DECIMAL OF AN INCH AND OF A FOOT  |
| 515001-03 | NAME PLATE FOR BRIDGES  |
| 630001-12 | STEEL PLATE BEAM GUARDRAIL  |
| 631032-09 | TRAFFIC BARRIER TERMINAL, TYPE 6A   |
| 643001-02 | SAND MODULE IMPACT ATTENUATORS  |
| 701001-02 | OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY                          |
| 701006-05 | OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE      |
| 701011-04 | OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY                                     |
| 701201-05 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH                        |
| 701206-05 | LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS $\geq$ 45 MPH                      |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS                                     |
| 701306-04 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS $\geq$ 45 MPH |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY                              |
| 701321-17 | LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER                                |
| 701326-04 | LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS $\geq$ 45 MPH               |
| 701901-08 | TRAFFIC CONTROL DEVICES   |
| 704001-08 | TEMPORARY CONCRETE BARRIER  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**PROPOSED  
HIGHWAY PLANS**

F.A.S. ROUTE 1247 (US 6)  
SECTION (7BR)BRR  
PROJECT

BRIDGE REPAIRS  
BUREAU COUNTY

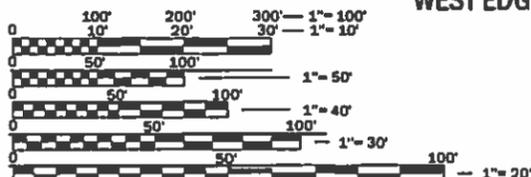
C-93-085-18

F.A.S. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1247	(7BR)BRR	BUREAU	20	1
ILLINOIS			CONTRACT NO. 66J37	



**PROJECT LOCATION**

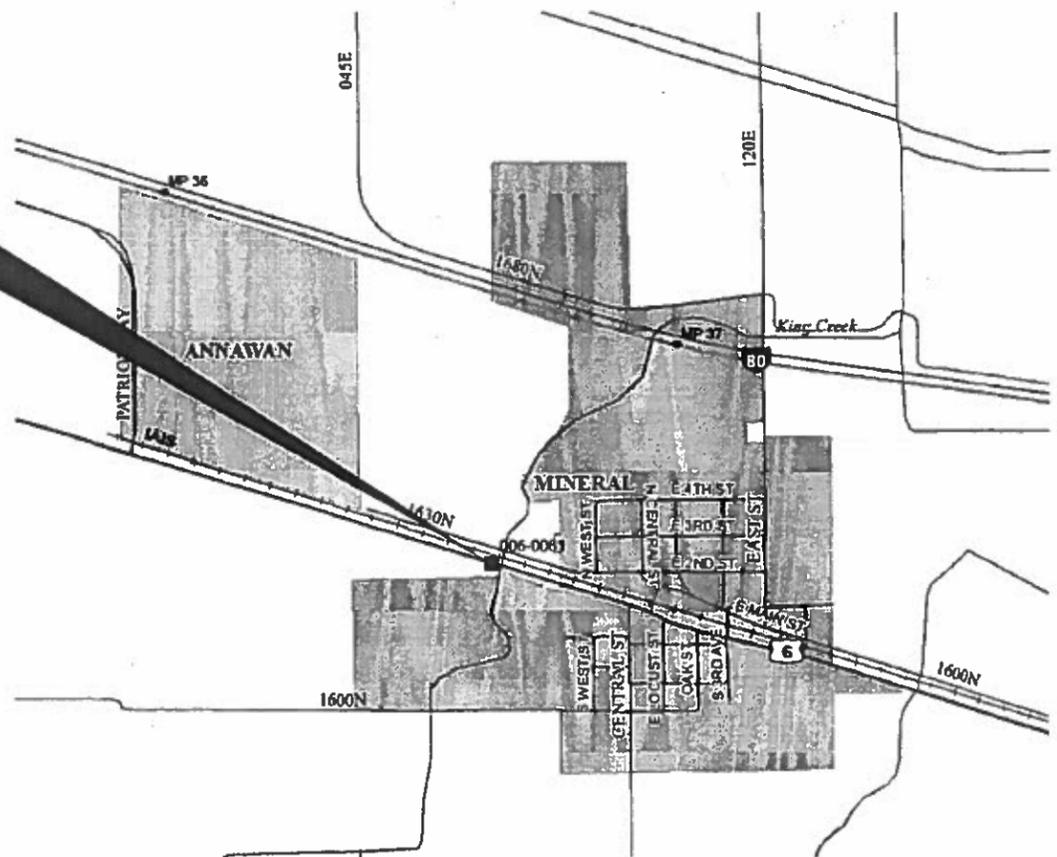
STRUCTURE NO. 006-0061  
CARRYING F.A.S. ROUTE 1247 (US 6)  
OVER KING CREEK AT THE  
WEST EDGE OF MINERAL



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

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: JOE KANNEL P.E.  
UNIT CHIEF: RON WOODSHANK  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66J37



GROSS LENGTH = 95.0 FT. = 0.018 MILE  
NET LENGTH = 95.0 FT. = 0.018 MILE

**FUNCTIONAL CLASSIFICATION**

RURAL  
MAJOR COLLECTOR  
F.A.S. ROUTE 1247 (US 6)  
2016 ADT = 1400  
P.V. 85.7%    S.U. 7.9%    M.U. 6.4%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 10-18-2018  
[Signature] REGIONAL ENGINEER

Dec 7 2018  
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 2018  
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**GENERAL NOTES**

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

**COMMITMENTS**

THE ENGINEER SHALL SOUND THE ENTIRE BOTTOM SURFACE OF THE DECK SLAB TO DETERMINE LOCATIONS AND EXTENT OF FULL DEPTH CONCRETE REPAIRS. THE ENGINEER SHALL "RECORD" ALL LOCATIONS AND SIZES OF REPAIRS ON THE "AS-BUILT" DECK SLAB REPAIR PLAN AND SUBMIT THE "AS-BUILT" PLANS TO THE DISTRICT BRIDGE ENGINEER IN A TIMELY MANNER.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION:

INSPECTORS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY:

*Tom Benic*  
DISTRICT STUDIES & PLANS ENGINEER

DATE:

*10-18-18*

EXAMINED BY:

*Kyle Vidique*  
DISTRICT CONSTRUCTION ENGINEER  
*Michael A. Smith*  
DISTRICT MATERIALS ENGINEER  
*Tom Hagan*  
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = woodshankr	DESIGNED - RW	REVISED -
pw:\IL084EBIDINTEG\Illinois.gov\FW\DOT\Documents\DOT Offices\District 3\Projects\0366\37\CADD\ata\66\37-cover.dgn		DRAWN - RW	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED - EP	REVISED -
	PLOT DATE = 9/5/2018	DATE - 4/16/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1247	(7BR)BRR	BUREAU	20	2
				CONTRACT NO. 66J37
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				CONTRACT MAINTENANCE	
				100% STATE	
				BRIDGE	
				0013	
				S.N. 006-0061	
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	12		12
28100107	STONE RIPRAP, CLASS A4	SQ YD	228		228
28200200	FILTER FABRIC	SQ YD	150		150
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	260		260
40600990	TEMPORARY RAMP	SQ YD	336		336
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	64		64
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	576		576
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	404		404
50102400	CONCRETE REMOVAL	CU YD	36		36
50300100	FLOOR DRAINS	EACH	6		6
50300255	CONCRETE SUPERSTRUCTURE	CU YD	40.9		40.9
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	4250		4250
50800515	BAR SPLICERS	EACH	28		28
50800530	MECHANICAL SPLICERS	EACH	256		256

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				CONTRACT MAINTENANCE	100% STATE
				BRIDGE	
				0013	
				S.N. 006-0061	
50900200	STEEL RAILING, TYPE 2399	FOOT	190	190	
Δ 51500100	NAME PLATES	EACH	1	1	
Δ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	75	75	
Δ 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	400	400	
67100100	MOBILIZATION	L SUM	1	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	70	70	

Δ SPECIALTY ITEMS

FILE NAME =	USER NAME = woodshank1	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\0366J37\CADData\66J37-cover.dgn	DRAWN - RW	CHECKED - EP	REVISED -					1247	(7BR)BRR	BUREAU	20	4
Default	PLOT SCALE = 100.0000' / in.	DATE - 4/16/2018	REVISED -		SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 9/10/2018	DATE - 4/16/2018	REVISED -					CONTRACT NO. 66137				

CONSTRUCTION CODE
CONTRACT MAINTENANCE
100% STATE
BRIDGE
0013
S.N. 006-0061

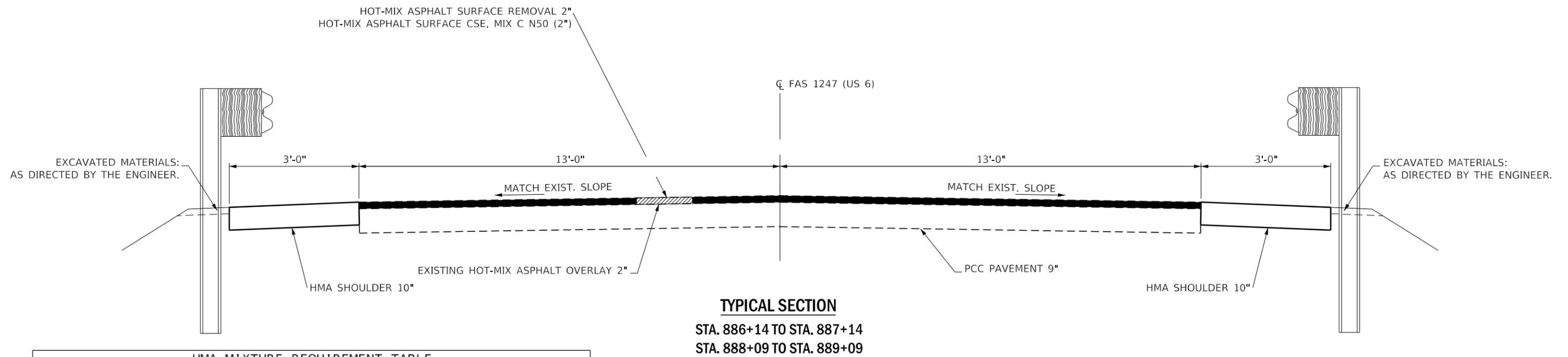
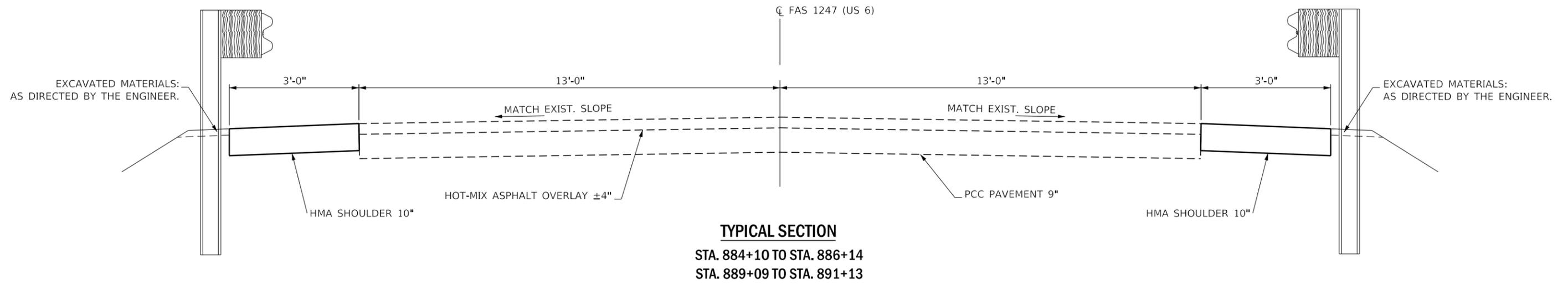
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	23	23
70400100	TEMPORARY CONCRETE BARRIER	FOOT	325	325
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	325	325
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
Δ 70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
Δ 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1406	1406
Δ 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	180	180
Δ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4	4
X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	4	4
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	552	552
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	6	6
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	3162	3162
Z0003802	REMOVAL OF EXISTING BEARINGS	EACH	12	12
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	28	28

Δ SPECIALTY ITEMS

FILE NAME =	USER NAME = woodshank1	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\0366\37\CADData\66J37-cover.dgn	DRAWN - RW	REVISIED -						1247	(7BR)BRR	BUREAU	20	5
Default	PLOT SCALE = 100.0000' / in.	CHECKED - EP	REVISIED -		SCALE:			SHEET 3 OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 66J37	
	PLOT DATE = 9/5/2018	DATE - 4/16/2018	REVISIED -		ILLINOIS FED. AID PROJECT							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				CONTRACT MAINTENANCE 100% STATE BRIDGE 0013 S.N. 006-0061
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42
Z0073350	TEMPORARY SLAB SUPPORT SYSTEM	EACH	4	4

FILE NAME =	USER NAME = woodshankel	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBID\INTEG.illinois.gov.PWIDOT\Documents\DOT Offices\District 3\Projects\0366J37\CADD\06J37-cover.dgn	DRAWN - RW	REVISED -	1247			(7BR)BRR	BUREAU	20	6	
Default	PLOT SCALE = 100.0000' / in.	CHECKED - EP	REVISED -			CONTRACT NO. 66J37				
	PLOT DATE = 05/2018	DATE - 4/16/2018	REVISED -			SCALE:	SHEET 4 OF 4 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT		



**BRIDGE OMISSION**  
 STA. 887+14 TO STA. 888+09

HMA MIXTURE REQUIREMENT TABLE			
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA SURFACE (2")	HMA SHOULDERS BOTTOM LIFT (8")	HMA SHOULDERS TOP LIFT (2")
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 9.5	IL 9.5
FRICTION AGGREGATE:	MIXTURE C		
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A
DENSITY TEST METHOD:	CORES	CORES	CORES

FILE NAME =	USER NAME = woodshank1	DESIGNED - RW	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED - EP	REVISED -
	PLOT DATE = 9/5/2018	DATE - 4/16/2018	REVISED -

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

**TYPICAL SECTION**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1247	(7BR)BRR	BUREAU	20	7
			CONTRACT NO. 66137	
ILLINOIS FED. AID PROJECT				

**SCHEDULE - MAINLINE PAVING**

LOCATION				HOT-MIX ASPHALT SURFACE REMOVAL 2"	BITUMINOUS MATERIALS TACK COAT	HOT-MIX ASPHALT SURFACE CSE. MIX C, N50	TEMPORARY RAMP
STA.	TO	STA.	LT/RT	SQ YD	POUND	TON	SQ FT
<b>STAGE I</b>							
886+14	TO	887+14	RT	144	65	16	84
888+09	TO	889+09	RT	144	65	16	84
<b>STAGE II</b>							
886+14	TO	887+14	LT	144	65	16	84
888+09	TO	889+09	LT	144	65	16	84
TOTAL				576	260	64	336

**SCHEDULE - SHOULDERS**

LOCATION				EXCAVATING AND GRADING EXISTING SHOULDER	HOT-MIX ASPHALT SHOULDERS 10"
STA.	TO	STA.	LT/RT	UNIT	SQ YD
<b>STAGE I</b>					
884+10	TO	887+14	RT	3	101
888+09	TO	891+13	RT	3	101
<b>STAGE II</b>					
884+10	TO	887+14	LT	3	101
888+09	TO	891+13	LT	3	101
TOTAL				12	404

**SCHEDULE - PAVEMENT MARKING**

LOCATION				PAVEMENT MARKING REMOVAL WATER BLASTING	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVEMENT MARKING REMOVAL	POLYUREA PAVEMENT MARKING LINE 4"	POLYUREA PAVEMENT MARKING LINE 6"
STA.	TO	STA.	LT/RT	SQ FT	EACH	EACH	FOOT	SQ FT	FOOT	FOOT
<b>STAGE I</b>										
884+10	TO	891+13		88	8	8	70			
884+10	TO	891+13	LT	232						
884+10	TO	891+13	RT							
<b>STAGE II</b>										
884+10	TO	891+13						23		180
884+10	TO	891+13	LT						703	
884+10	TO	891+13	RT	232					703	
TOTAL				552	8	8	70	23	1406	180

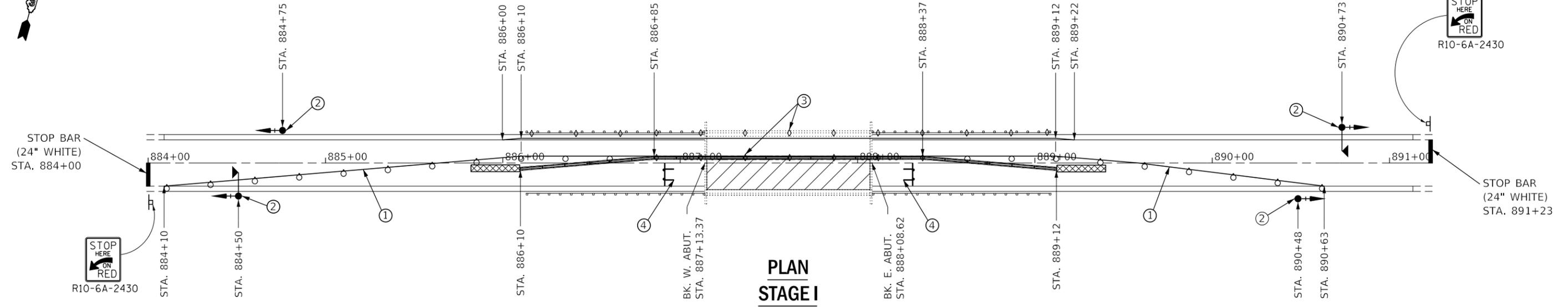
**SCHEDULE - BARRIER WALL**

LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER
	FOOT	FOOT
STAGE I	325	
STAGE II		325
TOTAL	325	325

**SCHEDULE - GUARDRAIL**

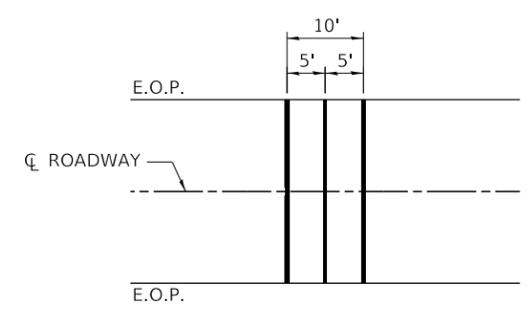
LOCATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL TYPE A 6' POSTS	TRAFFIC BARRIER TERMINAL TYPE 6A	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT
	FOOT	FOOT	EACH	EACH
SW QUADRANT	100	37.5	1	1
SE QUADRANT	100		1	1
NW QUADRANT	100		1	1
NE QUADRANT	100	37.5	1	1
TOTAL	400	75	4	4

SW QUADRANT - LON STA. 885+03  
 SE QUADRANT - LON STA. 887+39  
 NW QUADRANT - LON STA. 885+83  
 NE QUADRANT - LON STA. 888+19



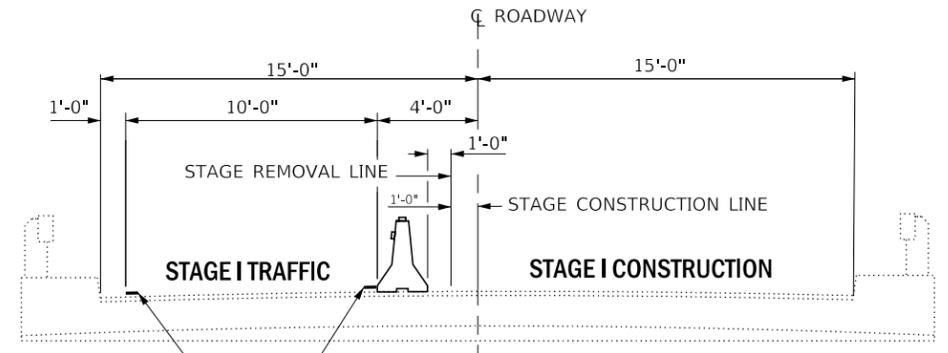
**PLAN  
STAGE I**

SEE STANDARD 701321 FOR DETAILS NOT SHOWN



**TEMPORARY RUMBLE STRIP**  
SEE STANDARD 701321 FOR LOCATIONS

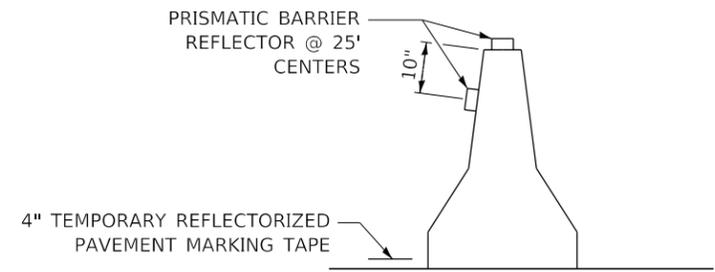
- ① TEMPORARY REFLECTORIZED PAVEMENT MARKING TAPE. (4")
- ② THE EDGE OF THE POST MOUNTED SIGNAL HEADSHALL BE BETWEEN 24 (610) AND 6' (1.8 M) FROM EDGE OF SHOULDER.
- ③ GUARDRAIL/BARRIER WALL REFLECTORS AT 25' (7.6 M) CTS. SEE STANDARDS 704001 & 782006.
- ④ TYPE III BARRICADE TO E PLACED WHEN NO WORK S BEING PERFORMED.



**CROSS SECTION  
STAGE I  
LOOKING EAST**

**SYMBOLS**

- |  |   |  |   |
|--|---|--|---|
|  | WORK AREA                               |  | DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT (TAPERS)  |
|  | SIGN                                    |  | DRUM (TANGENTS)   |
|  | TYPE III BARRICADE WITH FLASHING LIGHTS |  | TEMPORARY CONCRETE BARRIER                              |
|  | TRAFFIC SIGNAL WITH BACKPLATE           |  | TEMPORARY RUMBLE STRIP (SEE DETAIL & SPECIAL PROVISION) |
|  | TEMPORARY IMPACT ATTENUATOR (NARROW)    |  | CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR |
|  | MICROWAVE DETECTOR                      |  |   |



**TEMPORARY CONCRETE BARRIER WALL DETAILS**

**GENERAL NOTES**

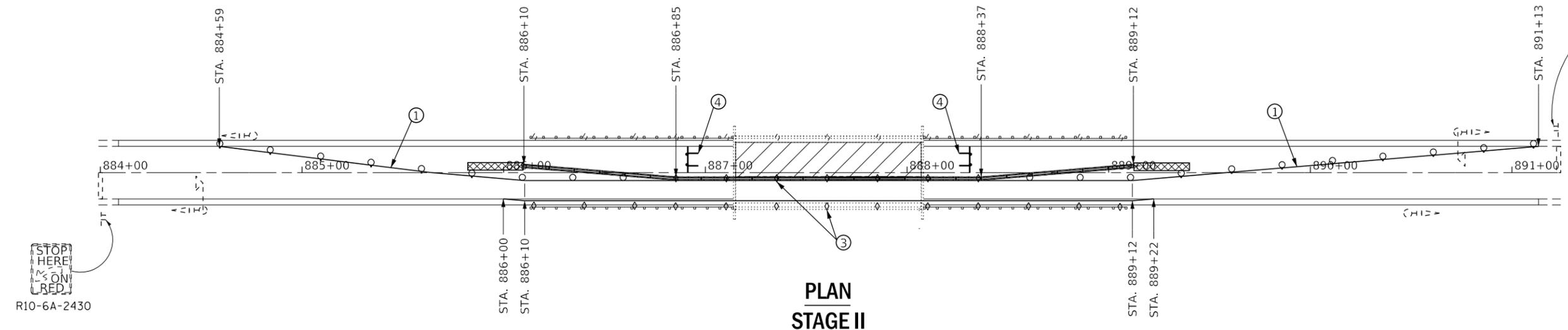
SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

TEMPORARY PAVEMENT MARKING AS SHOWN ON THIS DETAIL, SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STANDARD.

FILE NAME =	USER NAME = woodshankit	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 - STAGE I</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\1366\J37\CADDData\66J37-cover.dgn	DRAWN - RW	REVISED -	1247			(7BR)BRR	BUREAU	20	9		
PLOT SCALE = 100,0000' / in.	CHECKED - EP	REVISED -	CONTRACT NO. 66137								
Default	PLOT DATE = 9/5/2018	DATE - 6/26/2018	REVISED -			ILLINOIS FED. AID PROJECT					
SCALE:						SHEET 1	OF 2 SHEETS	STA.	TO STA.		



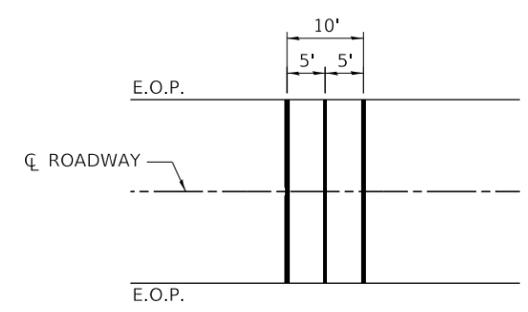
STOP  
HERE  
ON  
RED  
R10-6A-2430



STOP  
HERE  
ON  
RED  
R10-6A-2430

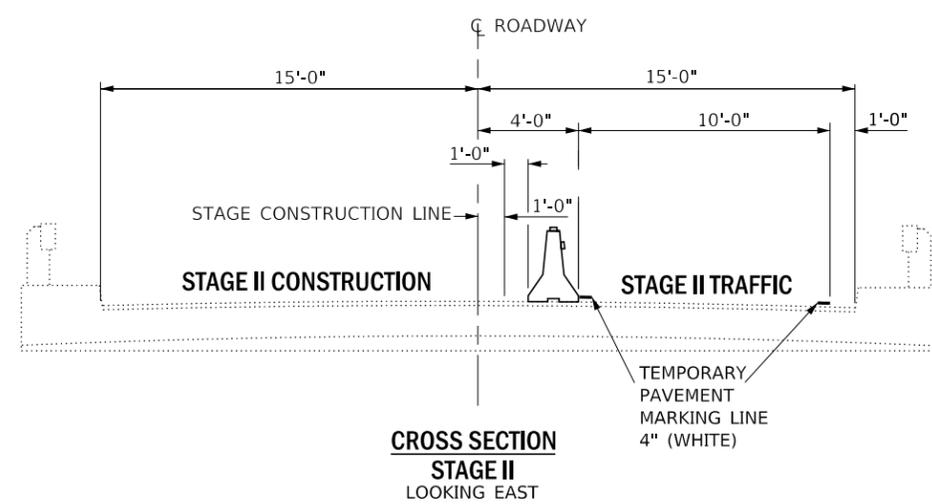
**PLAN  
STAGE II**

SEE STANDARD 701321 FOR DETAILS NOT SHOWN



**TEMPORARY RUMBLE STRIP**  
SEE STANDARD 701321 FOR LOCATIONS

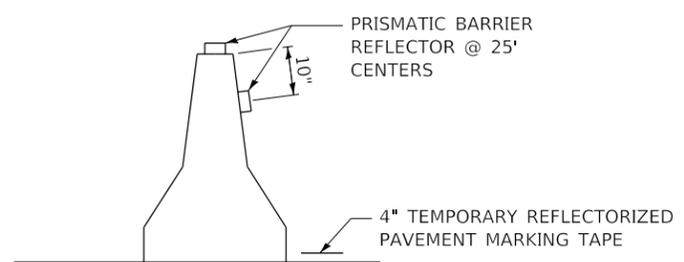
- ① TEMPORARY REFLECTORIZED PAVEMENT MARKING TAPE. (4")
- ② THE EDGE OF THE POST MOUNTED SIGNAL HEADSHALL BE BETWEEN 24 (610) AND 6' (1.8 M) FROM EDGE OF SHOULDER.
- ③ GUARDRAIL/BARRIER WALL REFLECTORS AT 25' (7.6 M) CTS. SEE STANDARDS 704001 & 782006.
- ④ TYPE III BARRICADE TO E PLACED WHEN NO WORK S BEING PERFORMED.



**CROSS SECTION  
STAGE II  
LOOKING EAST**

**SYMBOLS**

- |  |   |  |   |
|--|---|--|---|
|  | WORK AREA                               |  | DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT (TAPERS)  |
|  | SIGN                                    |  | DRUM (TANGENTS)   |
|  | TYPE III BARRICADE WITH FLASHING LIGHTS |  | TEMPORARY CONCRETE BARRIER                              |
|  | TRAFFIC SIGNAL WITH BACKPLATE           |  | TEMPORARY RUMBLE STRIP (SEE DETAIL & SPECIAL PROVISION) |
|  | TEMPORARY IMPACT ATTENUATOR (NARROW)    |  | CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR |
|  | MICROWAVE DETECTOR                      |  |   |



**TEMPORARY CONCRETE BARRIER WALL DETAILS**

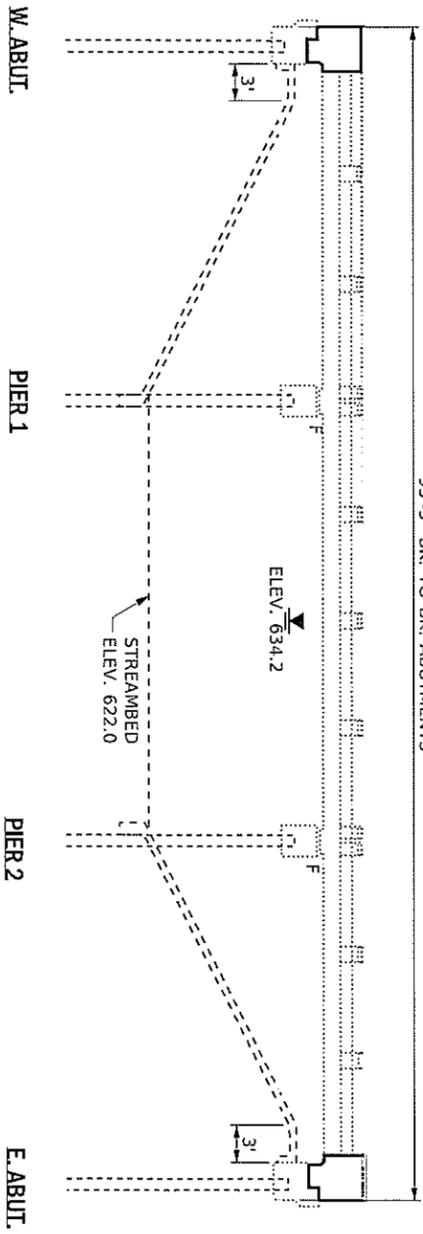
**GENERAL NOTES**

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN

TEMPORARY PAVEMENT MARKING AS SHOWN ON THIS DETAIL, SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STANDARD.

FILE NAME =	USER NAME = woodshank1	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 - STAGE II</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\01\084EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\1366\J37\CADData\66J37-cover.dgn	DRAWN - RW	REVISED -	1247			(7BR)BRR	BUREAU	20	10	
PLOT SCALE = 100,0000 /in.	CHECKED - EP	REVISED -	CONTRACT NO. 66J37							
Default	PLOT DATE = 9/5/2018	DATE - 6/26/2018	REVISED -			ILLINOIS FED. AID PROJECT				

95'-3" BK. TO BK. ABUTMENTS



**REACTION TABLE**

SLAB BRIDGE BEARING REACTIONS, TEMPORARY SHORLING ABUT.	(K)	(K)	(K)	(K)
R	17.1			
L		24.8		
IMP			7.4	
TOTAL				49.3

**ELEVATION**

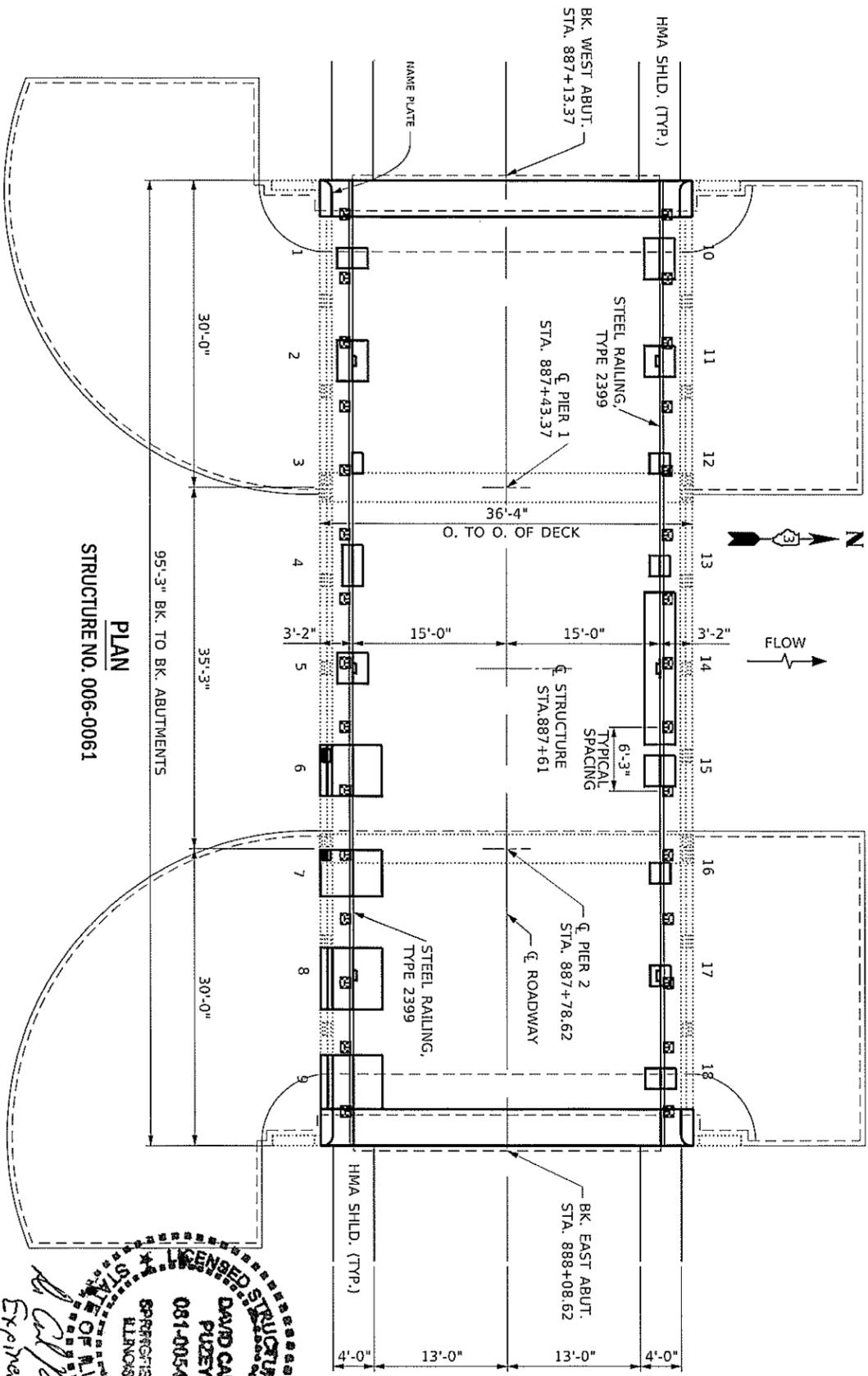
**GENERAL NOTES**

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 WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

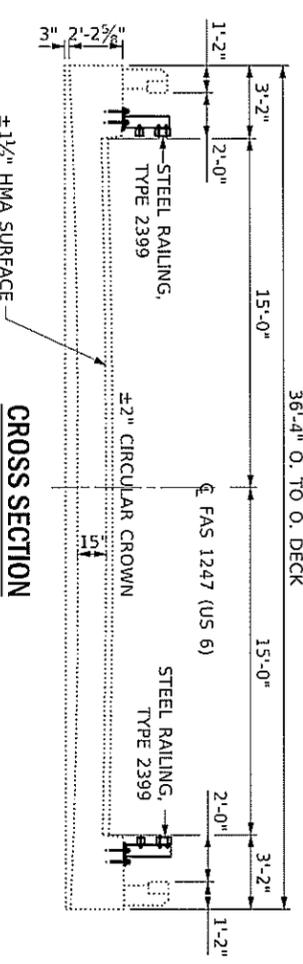
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED. BRIDGE DECK CONCRETE SEALER SHALL BE APPLIED TO ALL "NEW" CONCRETE SURFACES.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICE OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

AREAS OF DECK SLAB REPAIRS ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS AND QUANTITIES OF DECK SLAB REPAIRS ON "AS-BUILT" PLANS.



**PLAN**  
STRUCTURE NO. 006-0061



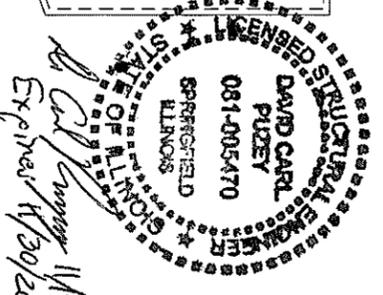
**CROSS SECTION**

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
REINFORCEMENT BARS	POUND	4250		4250
EPOXY COATED CONCRETE	CU YD	36		36
CONCRETE REMOVAL	CU YD	40.9		40.9
SUPERSTRUCTURE	EACH	28		28
BRIDGE DECK CONCRETE SEALER	SQ FT	3162		3162
STEEL RAILING TYPE 2399	FOOT	190		190
DECK SLAB REPAIR (FULL DEPTH, TYPE 11)	SQ YD	28		28
FLOOR DRAINS	EACH	6		6
NAME PLATE	EACH	1		1
STONE RIPRAP, CLASS A4	EACH	228		228
FILTER FABRIC	EACH	150		150
TEMPORARY SLAB SUPPORT SYSTEM	EACH	4		4
MECHANICAL SPLICERS	EACH	256		256
REMOVAL OF EXISTING BEARINGS	EACH		12	12

NAME PLATE  
See Std. 515001

STATION 887+61  
BUILT 1955 BY  
STATE OF ILLINOIS  
LOADING H-20-S16  
SBI, RT 7 - SEC. 7-BR  
STRUCTURE NO. 006-0061

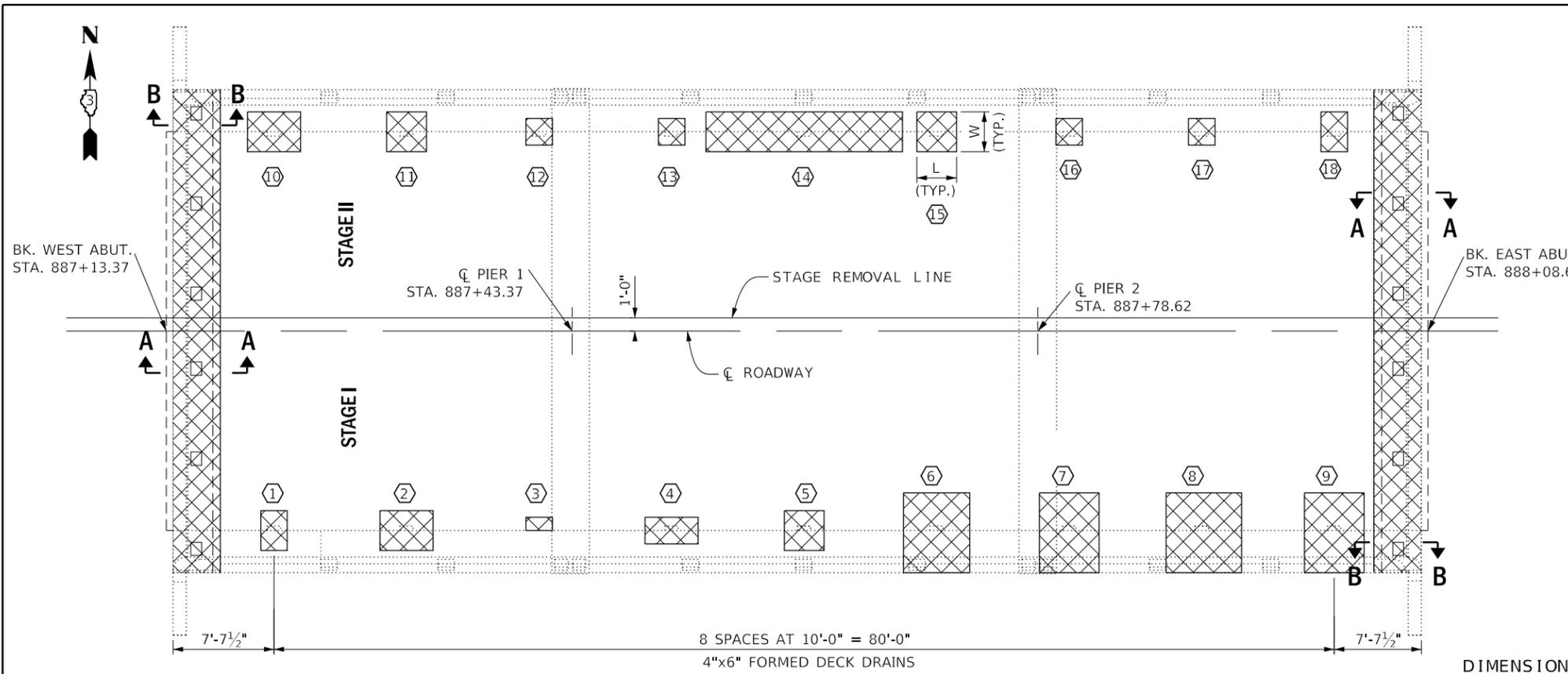


*David Carl Puzey*  
11/19/18  
Expires 11/30/20

FILE NAME =	USER NAME =	DESIGNED -	RW	11/16/2018
PROJECT =	PROJECT =	DRAWN -	RW	
PLOT SCALE =	PLOT SCALE =	CHECKED -	EP	
DATE =	DATE =	REVISIONS		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION FOR STRUCTURE NO. 006-0061	SHEET 1 OF 9	SHEETS STA.	TO STA.
SCALE:			
TOTAL SHEETS 11			

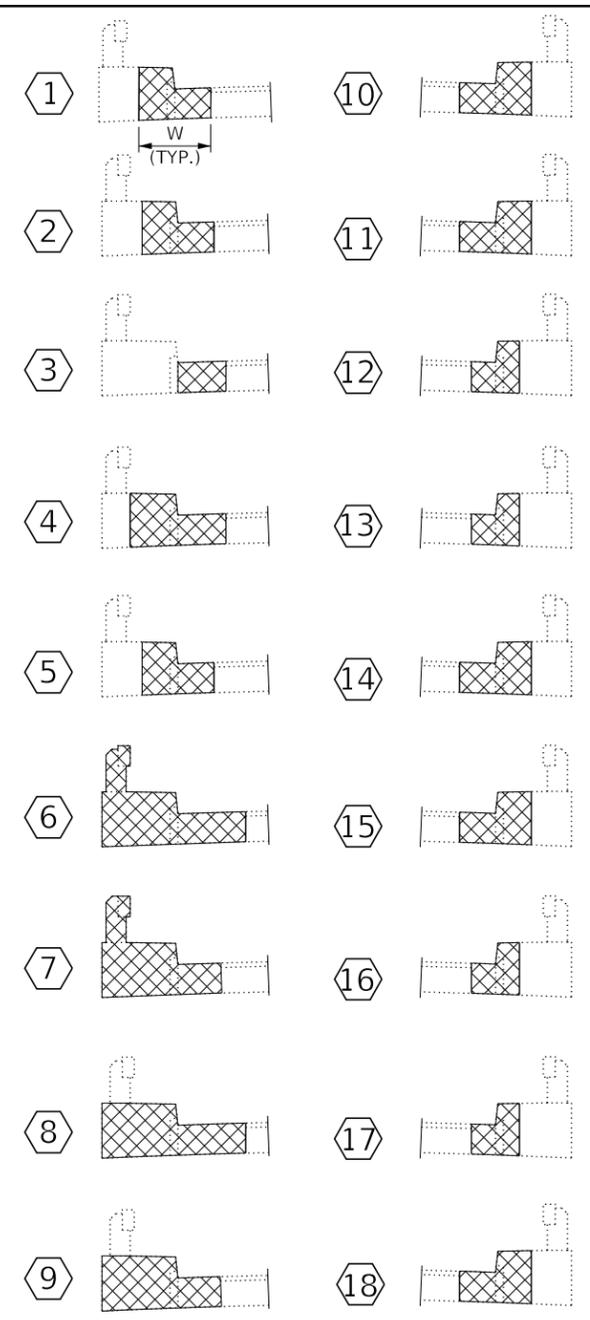


**PLAN**

**DIMENSION TABLE**

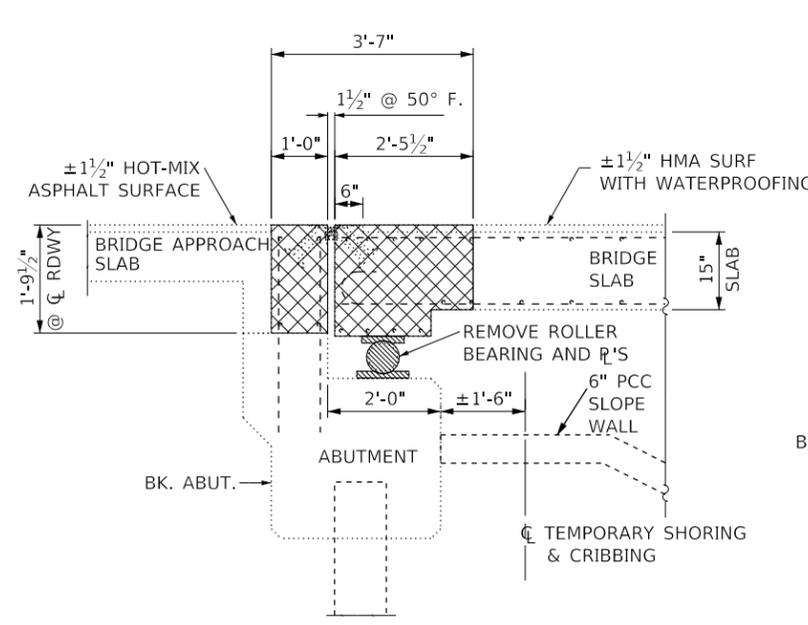
LOCATION NO.	DIMENSIONS	
	WIDTH (W)	LENGTH (L)
1	2'-0"	3'-0"
2	3'-0"	4'-0"
3	2'-0"	2'-0"
4	4'-0"	4'-0"
5	3'-0"	3'-0"
6	6'-0"	5'-0"
7	4'-0"	6'-0"
8	6'-0"	6'-0"
9	4'-0"	6'-0"
10	3'-0"	4'-0"
11	3'-0"	3'-0"
12	2'-0"	2'-0"
13	2'-0"	2'-0"
14	3'-0"	15'-0"
15	3'-0"	3'-0"
16	2'-0"	2'-0"
17	2'-0"	2'-0"
18	3'-0"	2'-0"

THESE DIMENSIONS ARE ESTIMATED. THE ENGINEER SHALL SOUND THE AREA AROUND EACH DRAIN FOR ACTUAL DIMENSIONS.

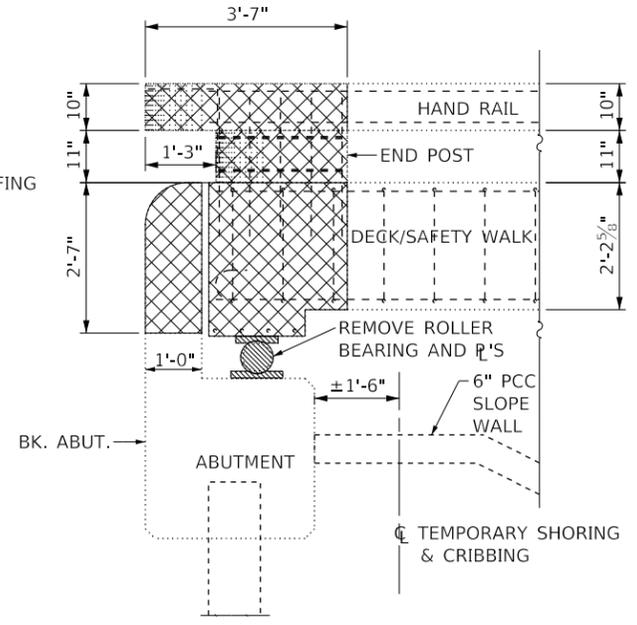


**SECTION THRU CURB**

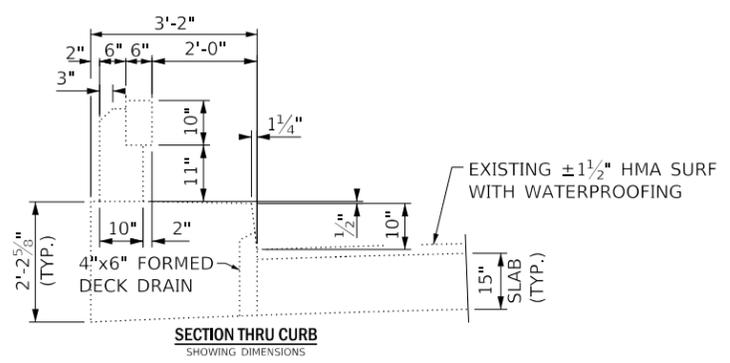
\* THIS DIMENSION IS ESTIMATED. THE ENGINEER SHALL SOUND THE AREA AROUND EACH DRAIN TO DETERMINE EXACT AREAS OF REPAIR.



**SECTION A-A**



**SECTION B-B**



**SECTION THRU CURB**  
SHOWING DIMENSIONS

**NOTES**

- REMOVAL AND DISPOSAL OF EXISTING EXPANSION JOINT MATERIALS INCLUDING STEEL EXPANSION GUARDS, ANCHOR BOLTS AND RUBBER SEAL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF "CONCRETE REMOVAL".
- REMOVAL AND DISPOSAL OF EXISTING HOT-MIX ASPHALT SURFACE SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF "CONCRETE REMOVAL".

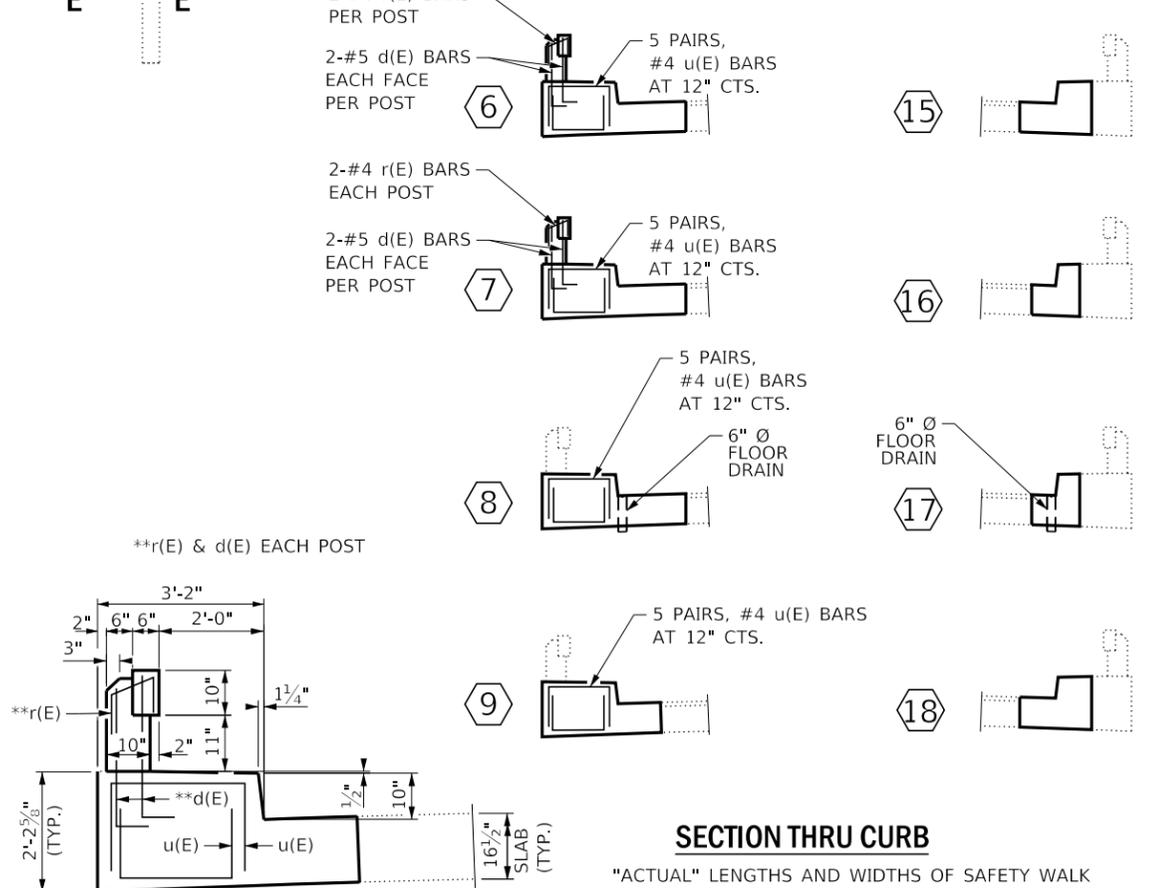
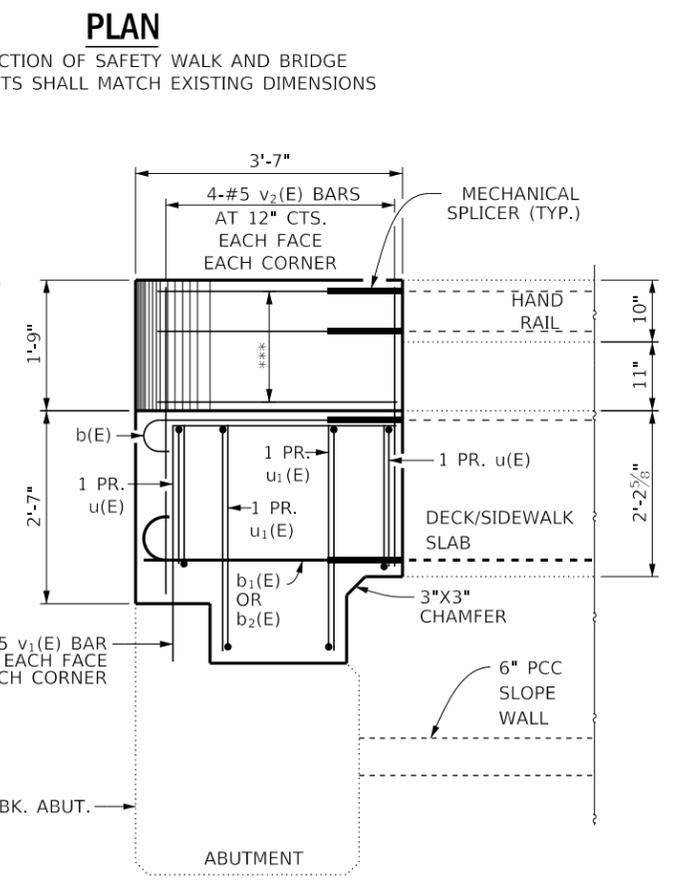
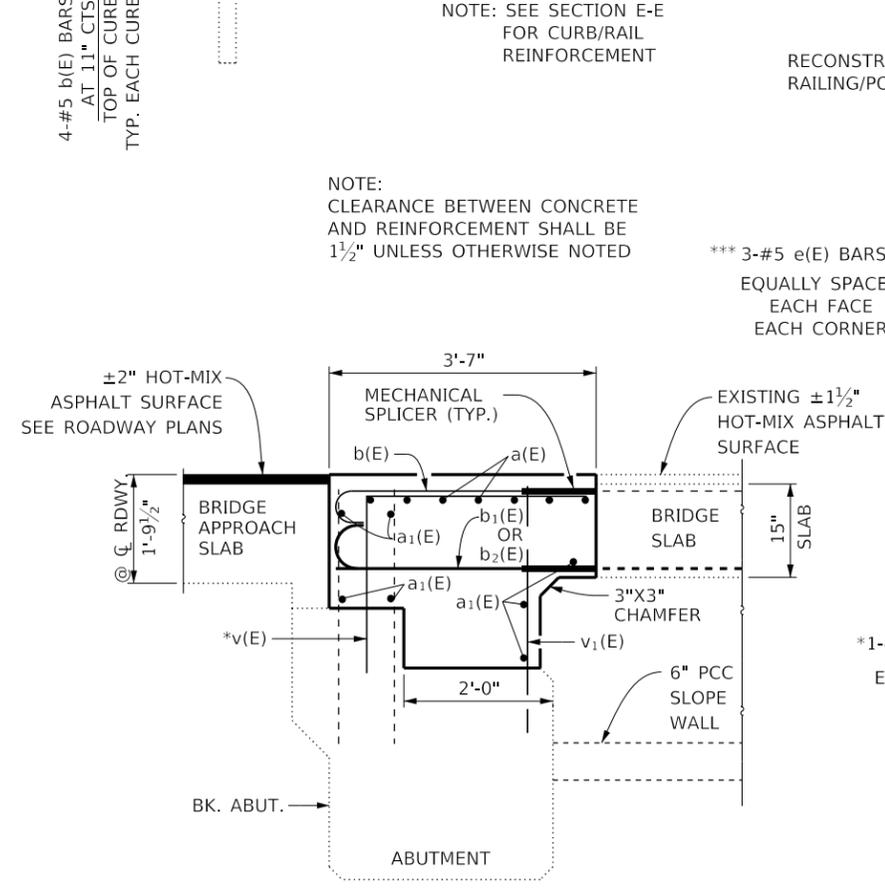
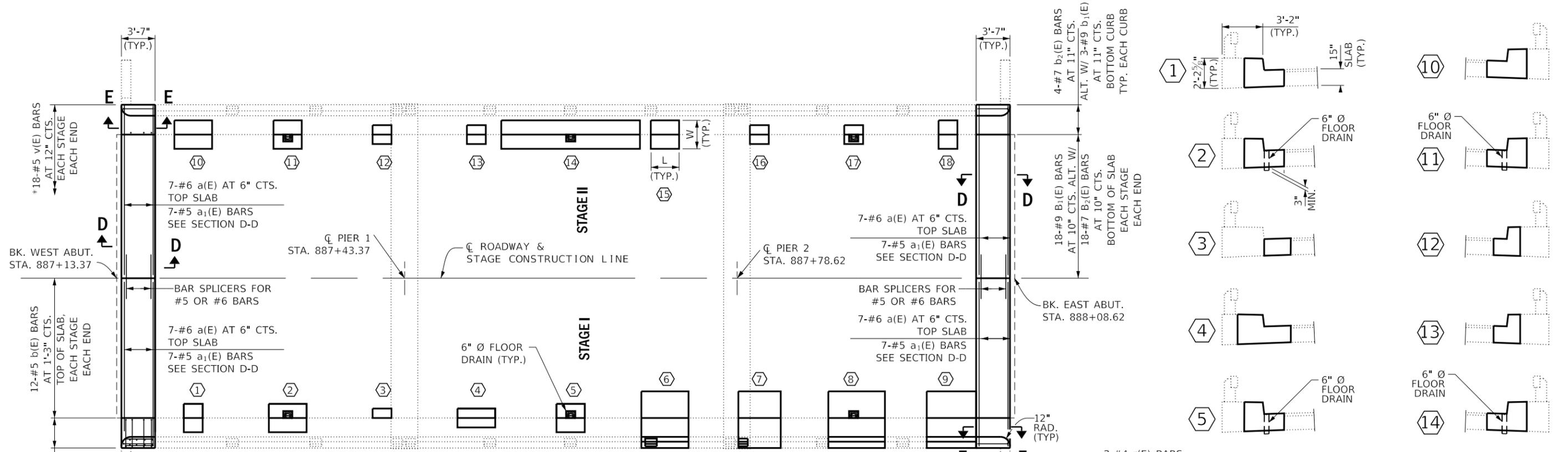
FILE NAME =	USER NAME = woodshank1	DESIGNED - RW	REVISED -
pw:\IL084EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\1366\J37\CADD\1366\J37-cover.dgn		DRAWN - RW	REVISED -
		CHECKED - EP	REVISED -
Default	PLOT DATE = 9/5/2018	DATE - 4/16/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE REPAIR - REMOVAL**

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1247	(7BR)BRR	BUREAU	20	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66137	



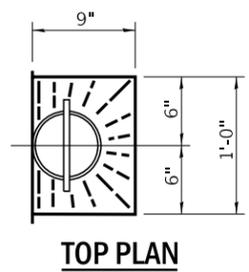
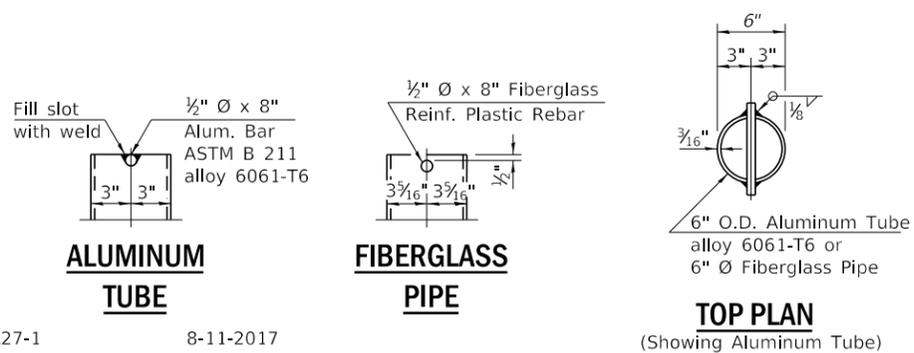
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pw:\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT\Office\District 3\Projects\13\66J37\CADData\66J37-cover.dgn	DRAWN - RW	REVISED -	1247			(7BR)BRR	BUREAU	20	13	
PLOT SCALE = 100,0000 / 1in.	CHECKED - EP	REVISED -	CONTRACT NO. 66J37							
Default	PLOT DATE = 9/5/2018	DATE - 4/16/2018	REVISED -			SCALE:	SHEET 3 OF 9 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

**"AS-BUILT"  
DIMENSION TABLE**

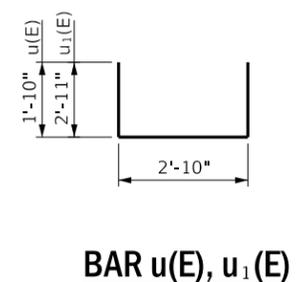
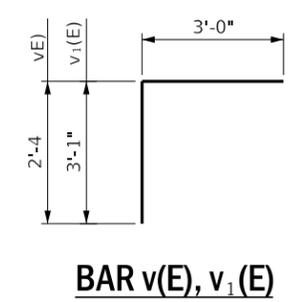
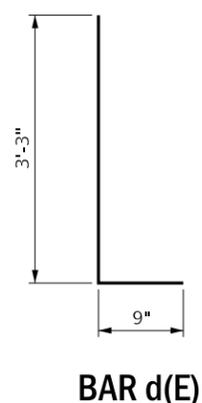
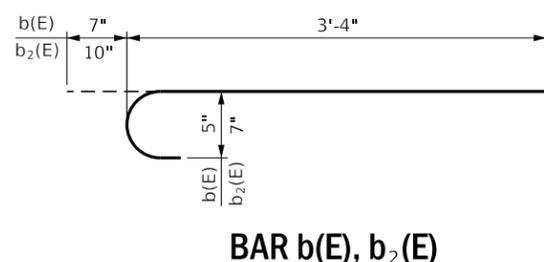
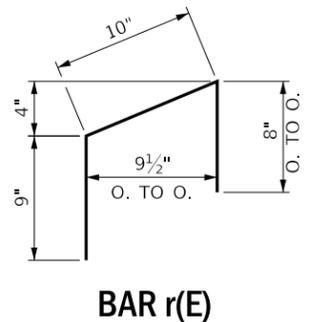
LOCATION NO.	DIMENSIONS	
	WIDTH (W)	LENGTH (L)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		

**SUPERSTRUCTURE  
BILL OF MATERIALS**

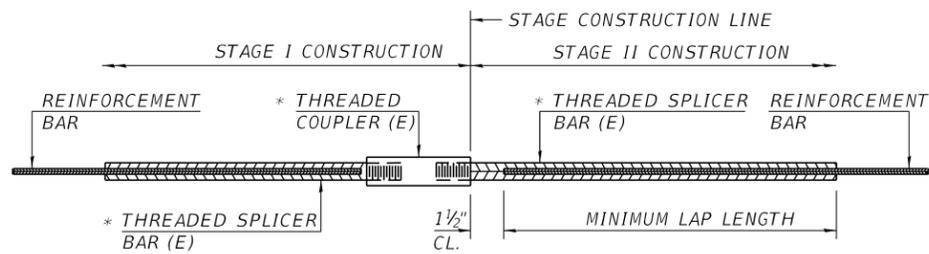
BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	28	#6	17' - 11"	—————
a1(E)	28	#5	17' - 11"	—————
b(E)	64	#5	3' - 11"	⌋—————
b1(E)	84	#9	3' - 4"	—————
b2(E)	88	#7	4' - 2"	⌋—————
d(E)	8	#5	4' - 0"	┌—————
e(E)	24	#5	2' - 4"	—————
r(E)	4	#4	2' - 3"	┌—————┐
u(E)	56	#4	6' - 6"	┌—————┐
u1(E)	16	#4	8' - 8"	┌—————┐
v(E)	72	#5	5' - 4"	┌—————┐
v1(E)	8	#5	6' - 1"	┌—————┐
v2(E)	32	#5	3' - 8"	—————
REINFORCEMENT BARS EPOXY COATED			LBS	4250
CONCRETE REMOVAL			CU YD	36
CONCRETE SUPERSTRUCTURE			CU YD	40.9
BAR SPLICERS			EACH	28
MECHANICAL SPLICERS			EACH	256
BRIDGE DECK CONCRETE SEALER			SQ FT	3162
STEEL RAILING TYPE 2399			FOOT	190



**FLOOR DRAIN  
6 REQUIRED**



SDE-IL27-1      8-11-2017

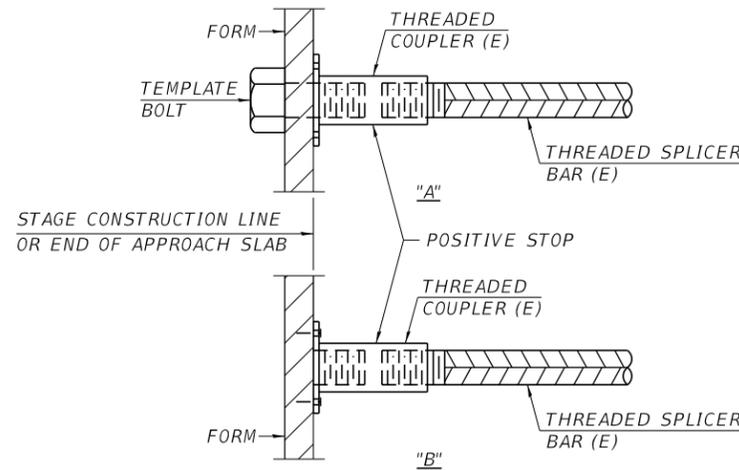


**STANDARD BAR SPLICER ASSEMBLY**

THREADED SPLICER BAR LENGTH = MIN. LAP LENGTH + 1 1/2" + THREAD LENGTH

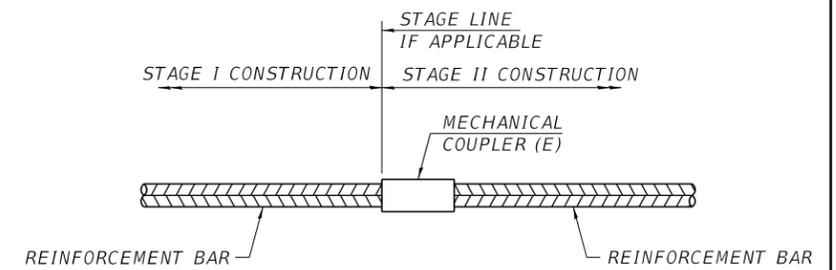
\* EPOXY NOT REQUIRED ON BAR SPLICER ASSEMBLY COMPONENTS USED IN CONJUNCTION WITH BLACK BARS.

LOCATION	BAR SIZE	NO. ASSEMBLIES REQUIRED	MINIMUM LAP LENGTH
WEST ABUTMENT	#6	7	3' - 7"
	#5	7	3' - 0"
EAST ABUTMENT	#6	7	3' - 7"
	#5	7	3' - 0"



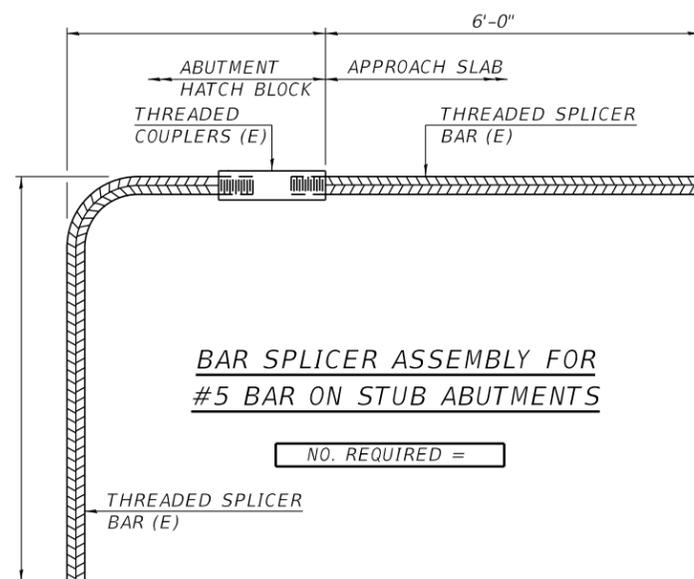
**INSTALLATION AND SETTING METHODS**

"A" : SET BAR SPLICER ASSEMBLY BY MEANS OF A TEMPLATE BOLT.  
 "B" : SET BAR SPLICER ASSEMBLY BY NAILING TO WOOD FORMS OR CEMENTING TO STEEL FORMS.  
 (E) : INDICATES EPOXY COATING.



**STANDARD MECHANICAL SPLICER**

LOCATION	BAR SIZE	NO. ASSEMBLIES REQUIRED
DECK/CURB	#5	64
DECK/CURB	#7	88
DECK/CURB	#9	88
BRIDGE RAIL	#5	16



**BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS**

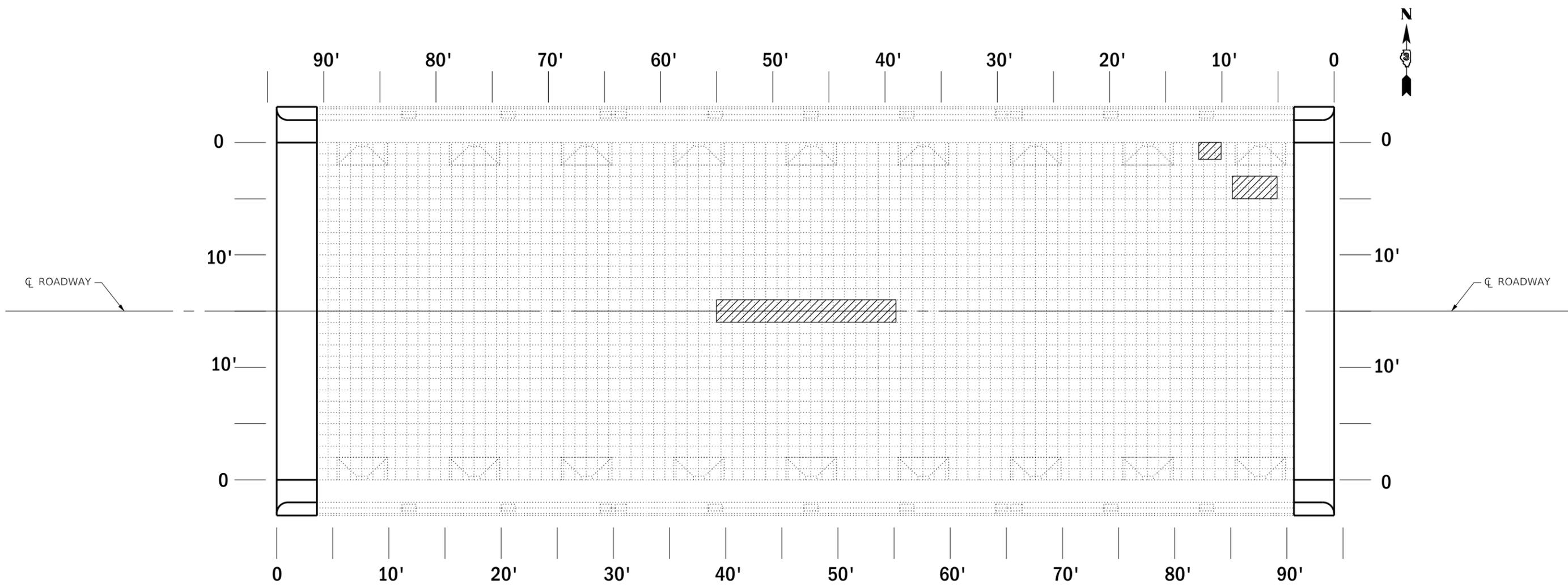
NO. REQUIRED =

**NOTES**

SPLICER BARS SHALL BE DEFORMED WITH THREADED ENDS AND HAVE A MINIMUM 60 KSI YIELD STRENGTH.  
 ALL REINFORCEMENT SHALL BE LAPPED AND TIED TO THE SPLICER BARS.  
 BAR SPLICER ASSEMBLIES SHALL BE EPOXY COATED ACCORDING TO THE REQUIREMENTS FOR REINFORCEMENT BARS. SEE SECTION 508 OF THE STANDARD SPECIFICATIONS.  
 SEE APPROVED LIST OF BAR SPLICER ASSEMBLIES AND MECHANICAL SPLICERS FOR ALTERNATIVES.

BSD-1 2-17-2017

FILE NAME =	USER NAME = woodshank1	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 006-0061</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\I366J37\CADData\66J37-cover.dgn	DOT Offices\District 3\Projects\I366J37\CADData\66J37-cover.dgn	DRAWN - RW	REVISED -			1247	(7BR)BRR	BUREAU	20	15	
Default	Default	CHECKED - EP	REVISED -			CONTRACT NO. 66J37					
	PLOT DATE = 9/6/2018	DATE - 4/16/2018	REVISED -			ILLINOIS FED. AID PROJECT					



**PLAN**

**STRUCTURE NO. 006-0061**

THE DECK SLAB REPAIR (FULL DEPTH) QUANTITIES ARE ESTIMATED. THE ENGINEER SHALL SOUND THE ENTIRE (BOTTOM OF SLAB) DECK AREA AND RECORD THE ACTUAL LOCATIONS AND SIZES OF DECK SLAB REPAIR (FULL DEPTH) ON THE "AS-BUILT" PLAN.

 **DECK SLAB REPAIR (FULL DEPTH, TYPE II)**

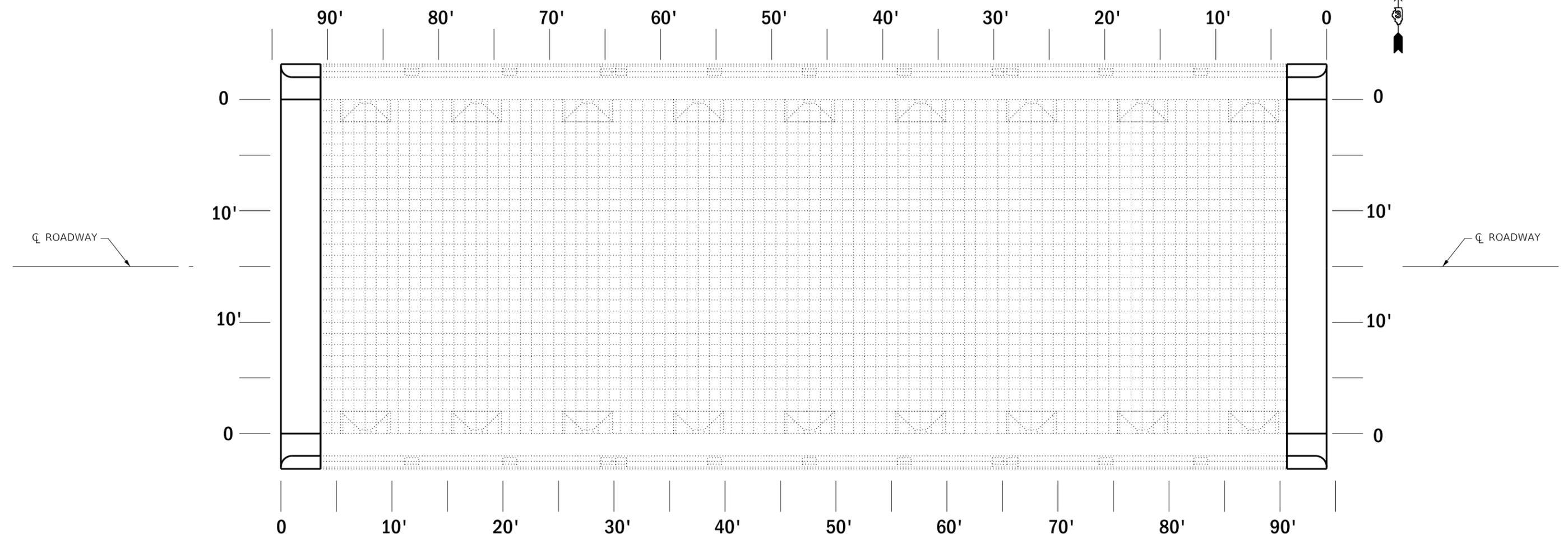
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Default	PLOT SCALE = 100,0000' / in.	CHECKED - EP	REVISED -
	PLOT DATE = 9/5/2018	DATE - 4/16/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIR DETAILS**

SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1247	(7BR)BRR	BUREAU	20	16
			CONTRACT NO. 66137	
ILLINOIS FED. AID PROJECT				

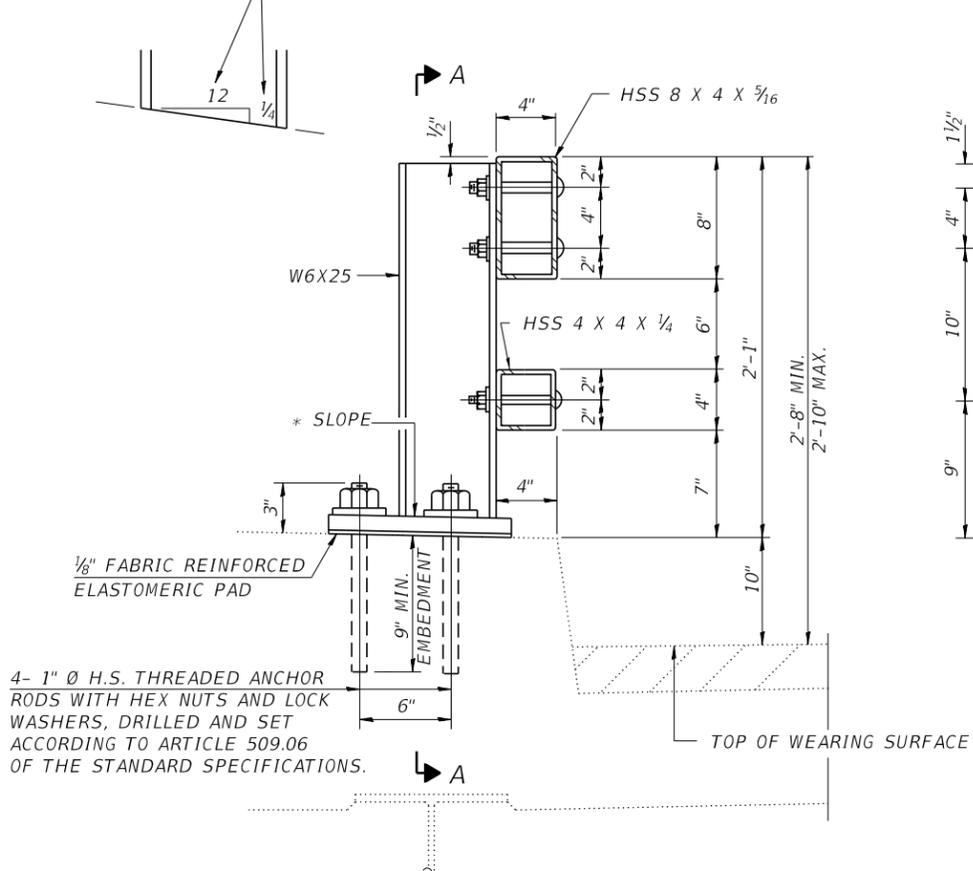


**PLAN**  
STRUCTURE NO. 006-0061

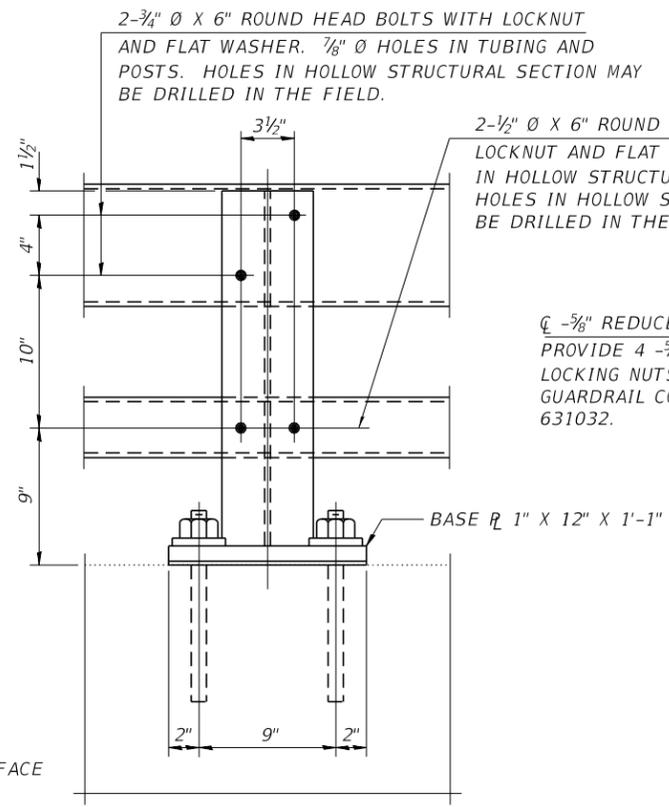
**NOTE:**  
THE ENGINEER SHALL SOUND THE ENTIRE DECK AREA AND RECORD THE ACTUAL LOCATIONS AND SIZES OF DECK SLAB REPAIR, PARTIAL AND FULL DEPTH ON THE "AS-BUILT" PLAN.

FILE NAME =	USER NAME = woodshank1	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DECK SLAB REPAIR PLAN "AS-BUILT"</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\04\EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\0366\37\CADD\066\37-cover.dgn	DRAWN - RW	CHECKED - EP	REVISED -					1247	(7BR)BRR	BUREAU	20	17
Default	PLOT SCALE = 100,0000' / in.	DATE - 4/16/2018	REVISED -		SCALE: SHEET 7 OF 9 SHEETS STA. TO STA.			CONTRACT NO. 66137				
	PLOT DATE = 9/5/2018	DATE - 4/16/2018	REVISED -					ILLINOIS FED. AID PROJECT				

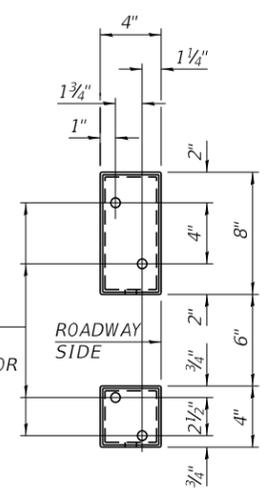
\* CUT BOTTOM END OF POST TO CURB SLOPE.



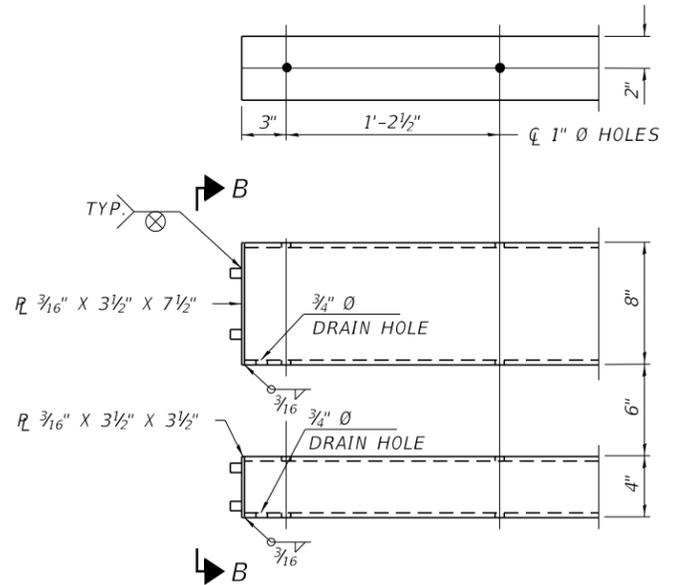
SECTION AT RAIL POST



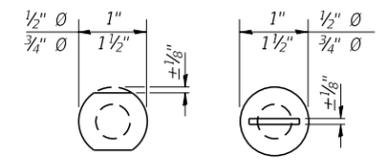
SECTION A-A



VIEW B-B

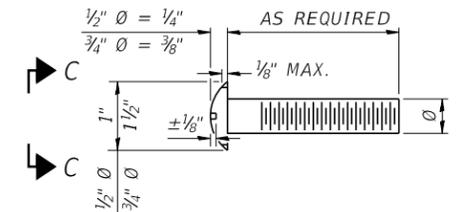


END OF RAIL DETAILS



WITHOUT SLOT WITH SLOT (SHOWN) OR OR RECESS APPROVED RECESS

VIEW C-C



DETAIL OF 1/2" Ø & 3/4" Ø ROUND HEAD BOLTS

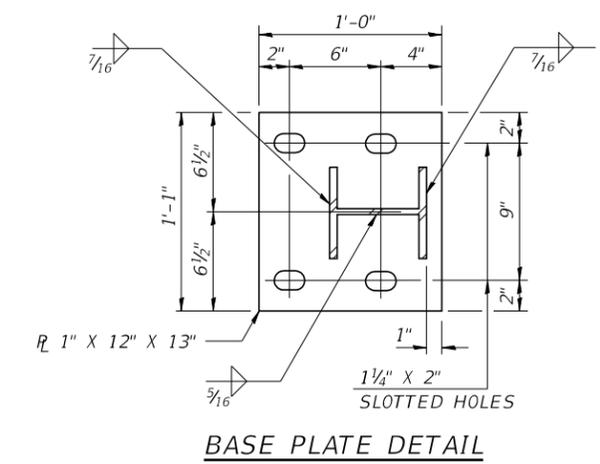
4- 1" Ø H.S. THREADED ANCHOR RODS WITH HEX NUTS AND LOCK WASHERS, DRILLED AND SET ACCORDING TO ARTICLE 509.06 OF THE STANDARD SPECIFICATIONS.

2-3/4" Ø X 6" ROUND HEAD BOLTS WITH LOCKNUT AND FLAT WASHER. 1/8" Ø HOLES IN TUBING AND POSTS. HOLES IN HOLLOW STRUCTURAL SECTION MAY BE DRILLED IN THE FIELD.

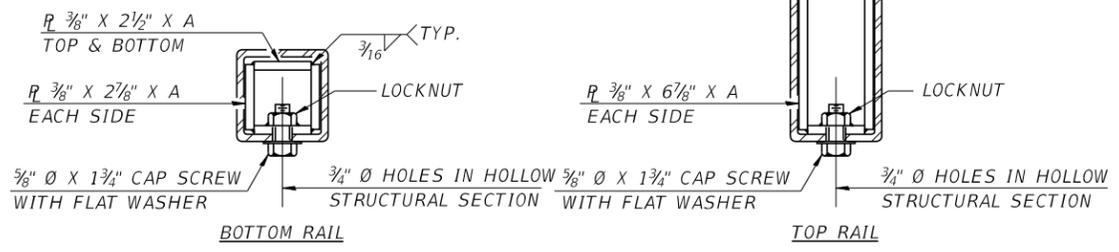
2-1/2" Ø X 6" ROUND HEAD BOLTS WITH LOCKNUT AND FLAT WASHER. 5/8" Ø HOLES IN HOLLOW STRUCTURAL SECTION AND POST. HOLES IN HOLLOW STRUCTURAL SECTION MAY BE DRILLED IN THE FIELD.

4- 5/8" REDUCED BASE WELDED STUDS. PROVIDE 4- 3/8" WASHERS AND SELF-LOCKING NUTS OR NUTS AND JAM NUTS FOR GUARDRAIL CONNECTION SHOWN ON STD. 631032.

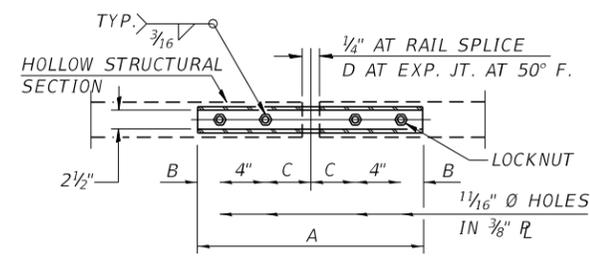
NOTES:  
 POSTS SHALL NOT BE LOCATED CLOSER THAN 1'-3" TO AN EXISTING BRIDGE EXPANSION JOINT OR END OF BRIDGE.  
 STEEL BRIDGE RAIL EXPANSION JOINT SHALL BE PROVIDED BETWEEN ANY TWO (2) POSTS WHICH SPAN A BRIDGE EXPANSION JOINT. BOLTS LOCATED AT EXPANSION JOINT SHALL BE PROVIDED WITH LOCKNUTS AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW RAILING MOVEMENT.  
 PROVIDE ONE 1/8" AND TWO 1/16" STEEL SHIMS FOR 25% OF THE POSTS. SHIMS SHALL BE SIMILAR TO BASE PLATES IN SIZE AND HOLES.  
 ALL STEEL RAIL ELEMENTS SHALL BE GALVANIZED ACCORDING TO ARTICLE 509.05 OF THE STANDARD SPECIFICATIONS.



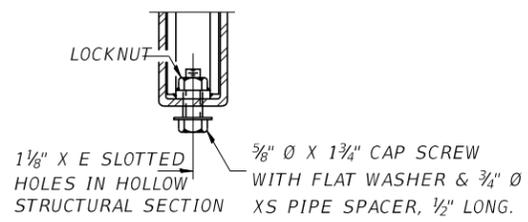
BASE PLATE DETAIL



SECTIONS AT RAIL SPLICE



PLAN-BOTT. SPLICE R TYPICAL



RAIL SPLICE CONNECTION AT EXPANSION JT.

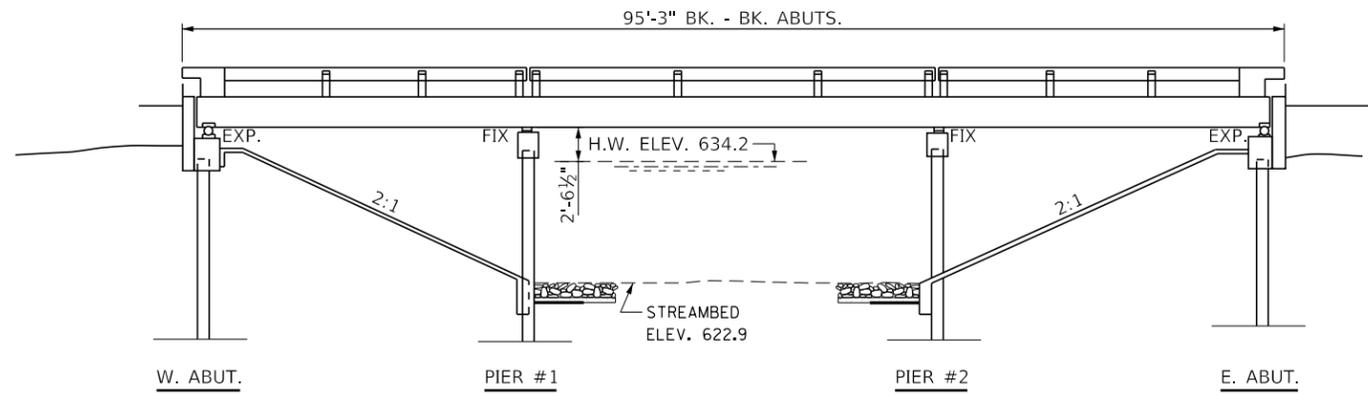
SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
RAIL SPLICE	1/4"	1'-8"	2"	4"	—

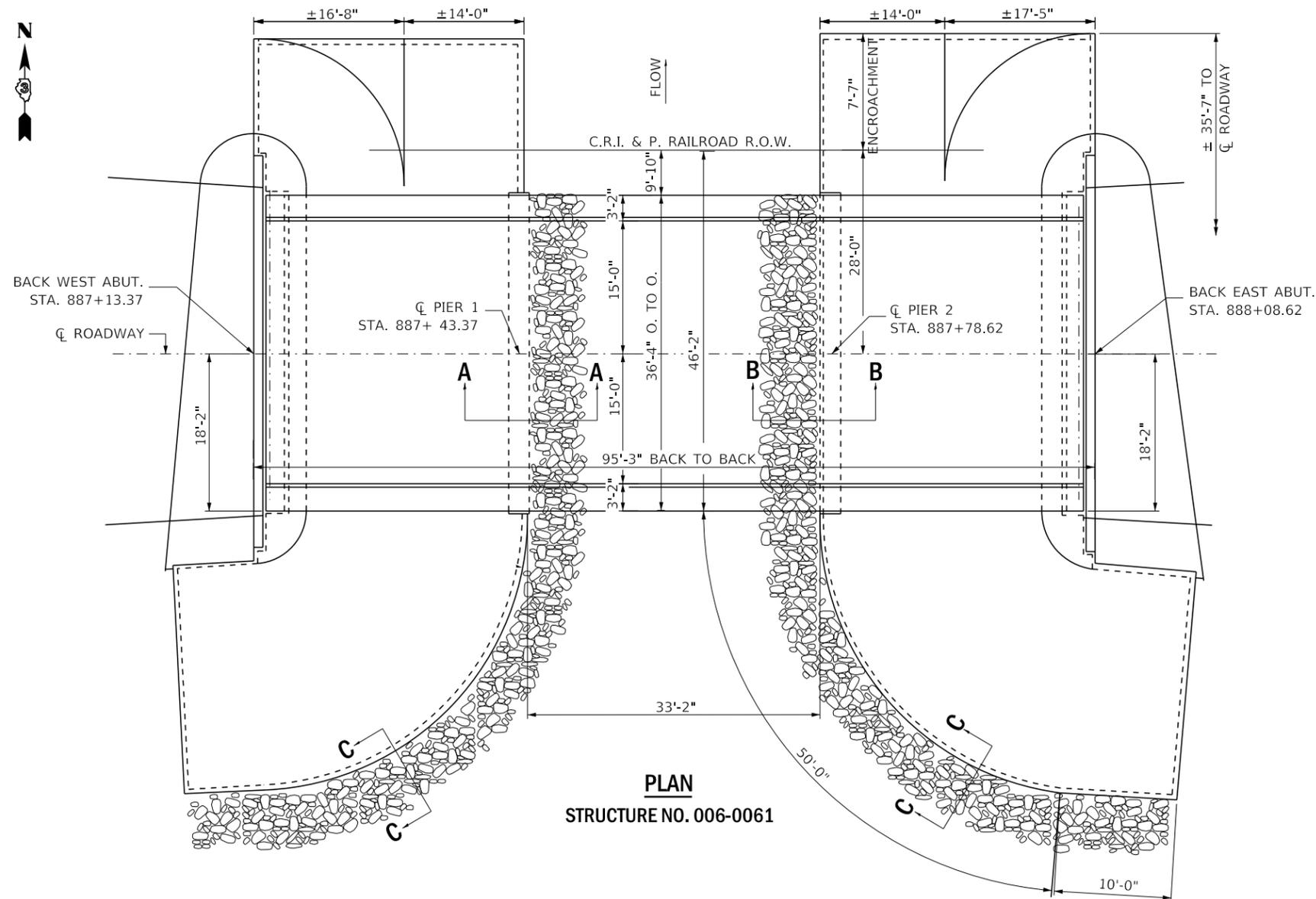
T = TOTAL MOVEMENT AT EXPANSION JOINT AS SHOWN ON THE DESIGN PLANS.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
STEEL RAILING, TYPE 2399	FOOT	190



**ELEVATION**

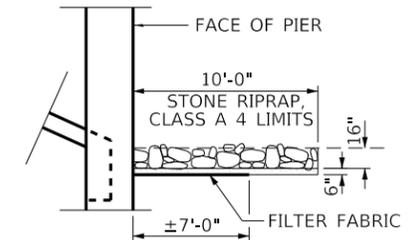


**PLAN**

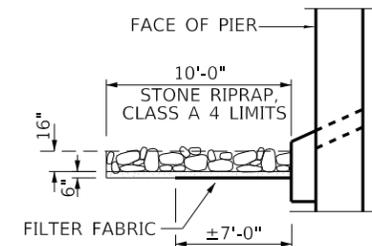
STRUCTURE NO. 006-0061

**GENERAL NOTES**

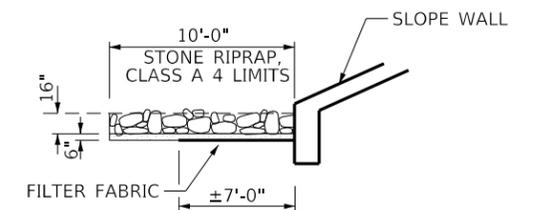
STONE RIPRAP CLASS A4 SHALL BE ACCORDING TO SECTION 281 OF STANDARD SPECIFICATIONS  
 FILTER FABRIC SHALL BE ACCORDING TO SECTION 282 OF STANDARD SPECIFICATIONS  
 APPROXIMATE WEIGHT OF STONE BEDDING, CLASS A1 = 48 TONS  
 APPROXIMATE WEIGHT OF STONE RIPRAP, CLASS A4 = 130 TONS



**SECTION A-A**



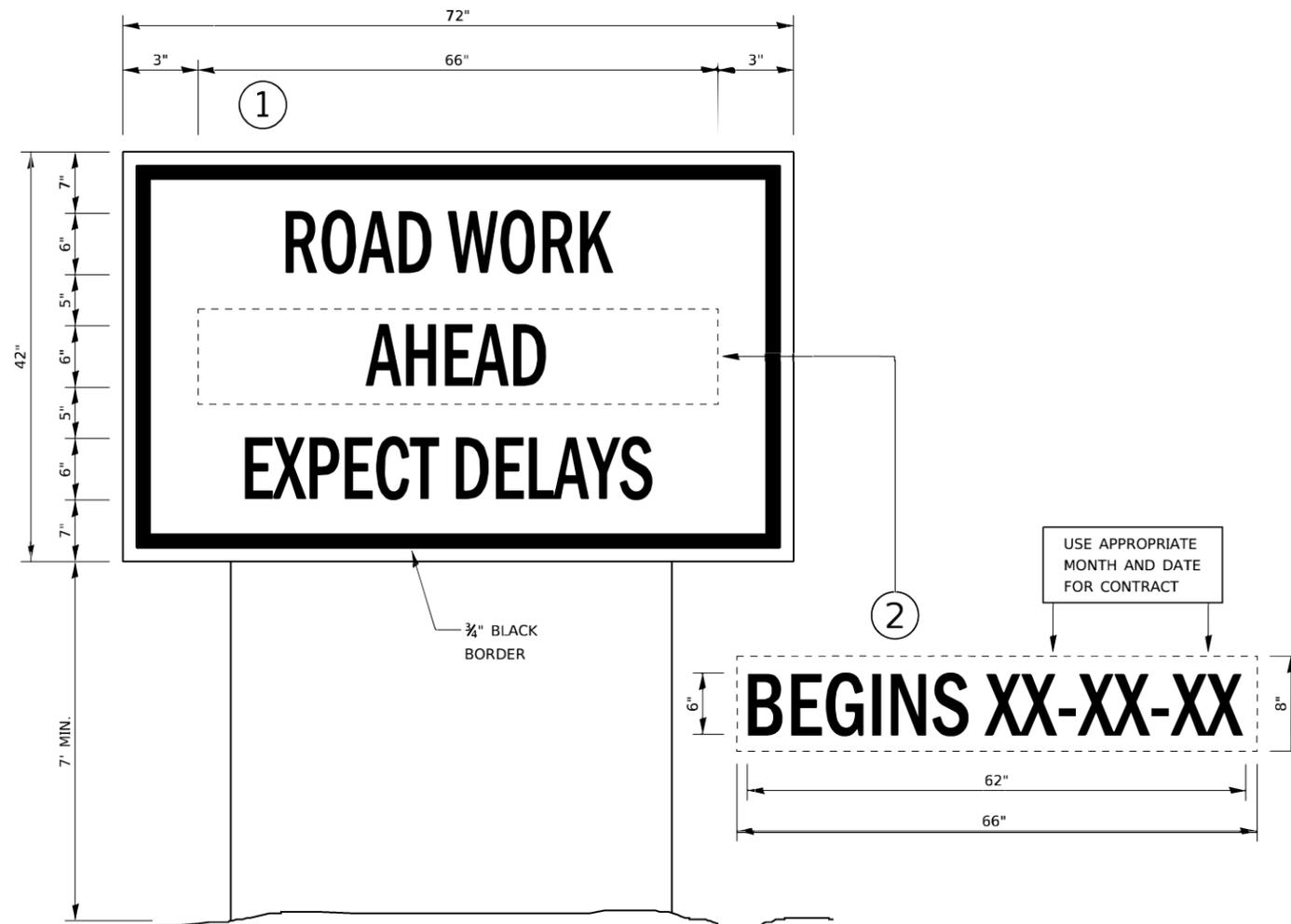
**SECTION B-B**



**SECTION C-C**

**BILL OF MATERIALS**

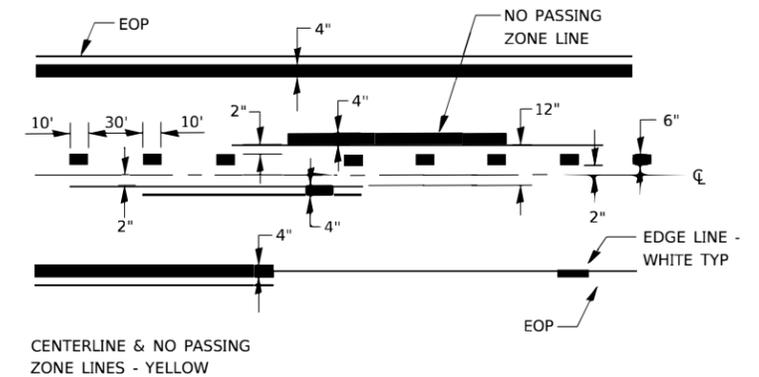
ITEM	UNIT	QUANTITY
STONE RIPRAP, CLASS A4	SQ YD	228
FILTER FABRIC	SQ YD	150



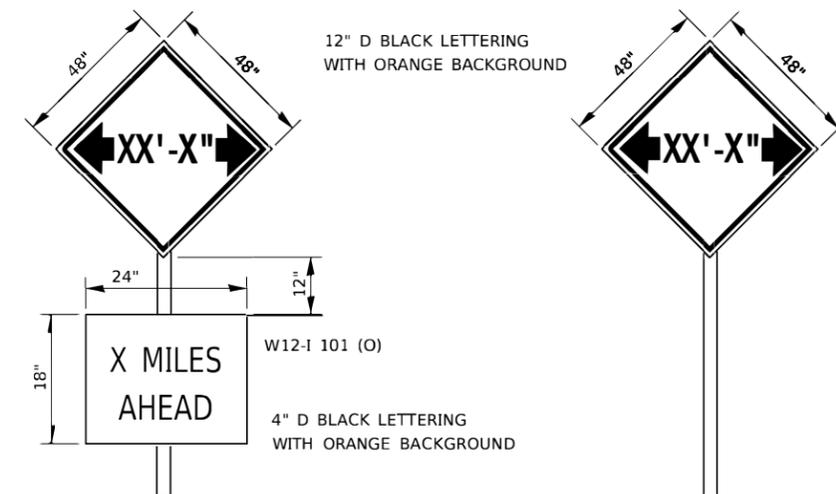
**TEMPORARY INFORMATION SIGNING**

**NOTES:**

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



**PAVEMENT MARKING**



TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

**WIDTH RESTRICTION SIGNING DETAILS**

FILE NAME =	USER NAME = woodshankel	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL DETAILS</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw:\11.084EBID\INTEG.illinois.gov.PWIDOT\Documents\DOT Offices\District 3\Projects\0366J37\CADD\06J37-cover.dgn		DRAWN - RW	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	1247	(7BR)BRR	BUREAU	20	20
Default		PLOT SCALE = 100.0000 / in.	CHECKED - EP		REVISED -	CONTRACT NO. 66J37									
		PLOT DATE = 05/2018	DATE - 4/16/2018		REVISED -	ILLINOIS FED. AID PROJECT									