

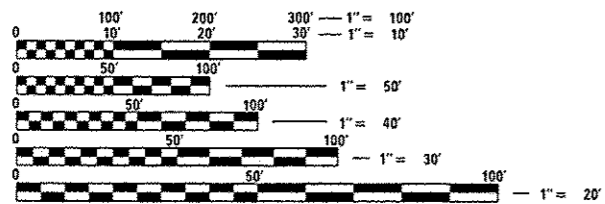
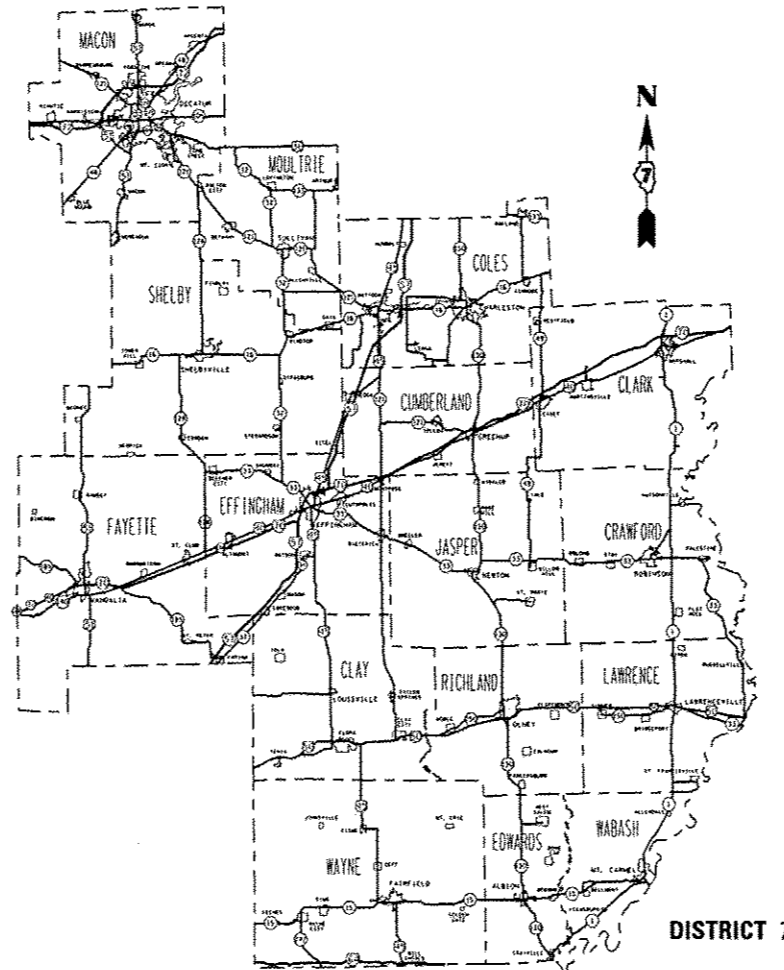
04-25-14 LETTING ITEM 066

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

**VARIOUS ROUTES
SECTION D7 SAFETY 2014-1
PROJECT ACHSIP - 0005 (980)
SAFETY IMPROVEMENTS
VARIOUS COUNTIES**

C-97-009-14



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 MARK DAUGHERTY
PROJECT MANAGER MATT BOWER

CONTRACT NO. 74645

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 SAFETY 2014-1	VARIOUS	20	1
		ILLINOIS	CONTRACT NO. 74645	

D-97-004-14



LOCATION OF SECTION INDICATED THUS: - [shaded rectangle]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JAN 27 20 14
Roger L. Orishell
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

MARCH 21 20 14
John D. Baranzelli
actg ENGINEER OF DESIGN AND ENVIRONMENT

MARCH 21 20 14
Omer Osman
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES
3	LOCATOIN MAP
4	SUMMARY OF QUANTITIES
5-6	SCHEDULE OF QUANTITIES
7-14	GUARDRAIL DETAILS
15	DETAIL FOR TRAFFIC BARRIER TERMINAL TYPE 6B (SPECIAL)
16-17	DETAIL OF CRASHWALL EXTENSION
18-19	DETAIL OF IMPACT ATTENUATORS (NON-REDIRECTIVE) TEST LEVEL 3 ARRAY
20	DETAIL OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-10	STEEL PLATE BEAM GUARDRAIL
630101-09	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
631033-05	TRAFFIC BARRIER TERMINAL, TYPE 6B
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
643001-02	SAND MODULE IMPACT ATTENUATORS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS MULTILANE, MORE THAN 15' (4.5m) AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS => 45 MPH
701421-06	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS => 45 MPH TO 55 MPH
701901-03	TRAFFIC CONTROL DEVICES
782001	PRISMATIC CURB REFLECTORS

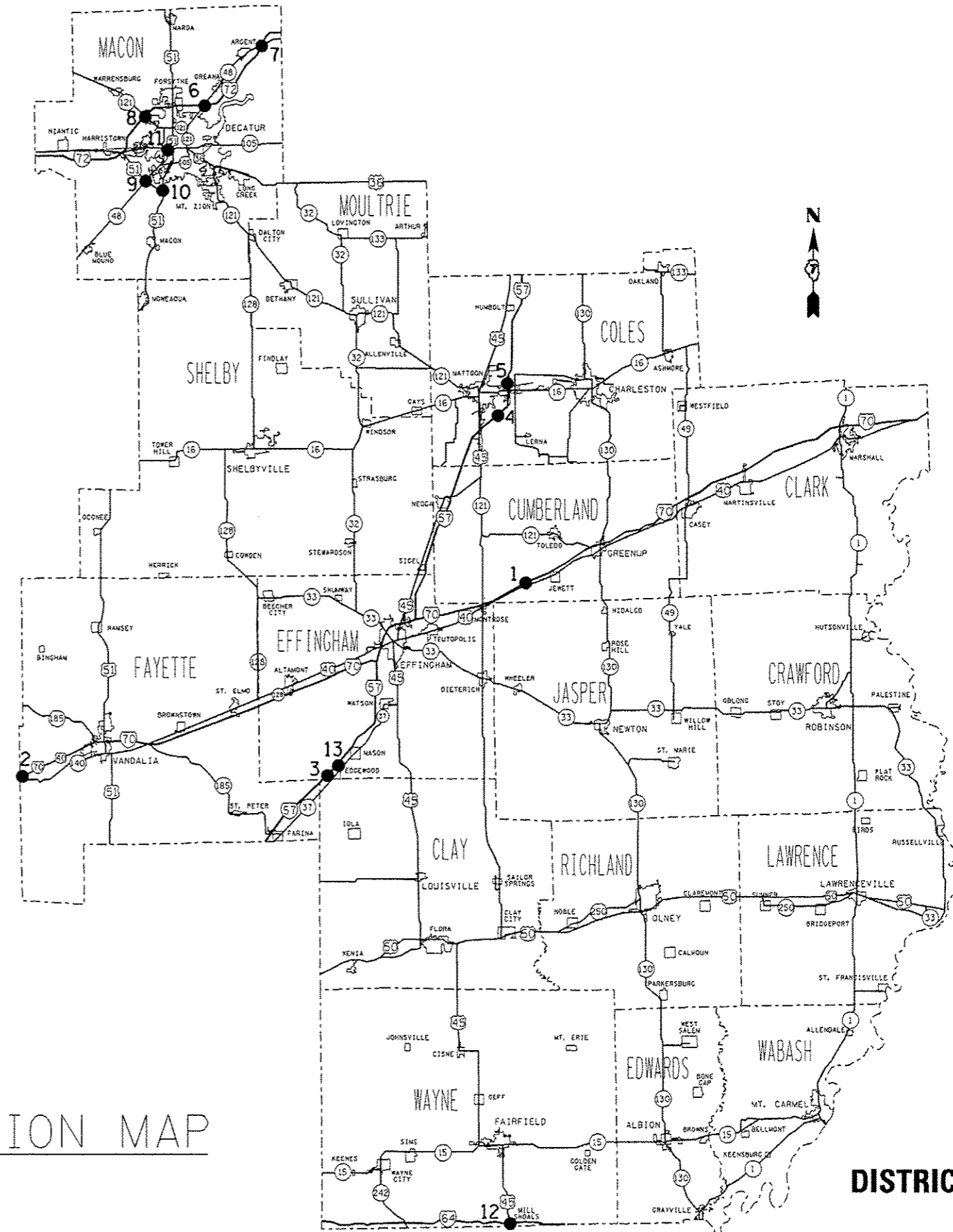
GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

ALL DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS SHALL BE FERTILIZED AND SEEDED. SEEDING SHALL BE CLASS 2 IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND THE APPLICABLE ARTICLES OF SECTION 250 OF THE STANDARD SPECIFICATIONS.

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pvidot\stefannk\02065715\02	stefannk	DRAWN -	REVISED -			VAR.	07 SAFETY 2014-1	VARIOUS	20	2	
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		DATE -	REVISED -			CONTRACT NO. 74645					

NUMBER	LOCATION	COUNTY
1	TOWNSHIP ROAD 950E UNDER I-70	CUMBERLAND
2	OLD IL 140 UNDER I-70	FAYETTE
3	BROAD ST. UNDER I-57 NEAR EDGEWOOD	EFFINGHAM
4	FAIRWAY VIEW CIRCLE UNDER I-57 NEAR MATTOON	COLES
5	DEWITT AVE (IL 316) UNDER I-57 IN MATTOON	COLES
6	IL 48 UNDER I-72 IN DECATUR	MACON
7	IL 48 UNDER I-72 NORTHEAST OF DECATUR	MACON
8	IL 121 UNDER I-72 IN DECATUR	MACON
9	IL 48 UNDER US 51 IN DECATUR	MACON
10	OLD US 51 OVER US 51 IN DECATUR	MACON
11	IL 105 UNDER CN RAILROAD IN DECATUR	MACON
12	US 45 UNDER I-64	WAYNE
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM



LOCATION MAP

DISTRICT 7

FILE NAME =	USER NAME = etoffenm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 1/28/2014		DATE -	REVISED -			CONTRACT NO. 74645 ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT	TOTAL QUANTITIES
20200100	EARTH EXCAVATION	CU YD	89
20400800	FURNISHED EXCAVATION	CU YD	96
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	20
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1698
44003100	MEDIAN REMOVAL	SQ FT	7977
48101200	AGGREGATE SHOULDERS, TYPE B	TON	206
50300225	CONCRETE STRUCTURES	CU YD	22.8
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2270
60608250	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.06	FOOT	867
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	831
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	11170
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	3612.5
63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	12.5
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	7

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT	TOTAL QUANTITIES
63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	23
63200310	GUARDRAIL REMOVAL	FOOT	124
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4
67100100	MOBILIZATION	L SUM	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
78200300	PRISMATIC CURB REFLECTORS	EACH	56
78200410	GUARDRAIL MARKERS, TYPE A	EACH	86
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	23
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.2
X6311217	TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)	EACH	8
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

FILE NAME =	USER NAME = staffennk	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCALE: N/A SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 SAFETY 2014-1	VARIOUS	20	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74645	

EARTHWORK AND SEEDING SCHEDULE

NUMBER	LOCATION	COUNTY	SIDE OF ROAD	EARTHWORK AND SEEDING SCHEDULE			
				CU YD	CU YD	LB	ACRE
4	FAIRWAY VIEW CIRCLE UNDER I-57 NEAR MATTOON	COLES	WEST	0	68	10.5	0.105
6	IL 48 UNDER I-72 IN DECATUR	MACON	WEST	0	4	1.3	0.013
7	IL 48 UNDER I-72 NORTHEAST OF DECATUR	MACON	NORTH	0	4	1.3	0.013
8	IL 121 UNDER I-72 IN DECATUR	MACON	NORTH	0	4	1.3	0.013
9	IL 48 UNDER US 51 IN DECATUR	MACON	NORTH	0	4	1.3	0.013
10	OLD US 51 OVER US 51 IN DECATUR	MACON	EAST	0	4	1.3	0.013
12	US 45 UNDER I-64	WAYNE	CENTER	89			
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	WEST	0	8	2.6	0.026
TOTAL =				89	96	20	0.20

20200100 EARTH EXCAVATION
 20400800 FURNISHED EXCAVATION
 28000250 TEMPORARY EROSION CONTROL SEEDING
 X2501000 SEEDING CLASS 2

44000500 COMBINATION CURB AND GUTTER REMOVAL

NUMBER	LOCATION	COUNTY	FOOT
12	US 45 UNDER I-64	WAYNE	831.0
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	867.0
TOTAL =			1698.0

44003100 MEDIAN REMOVAL

NUMBER	LOCATION	COUNTY	SQ FT
12	US 45 UNDER I-64	WAYNE	2193.0
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	5784.0
TOTAL =			7977.0

48101200 AGGREGATE SHOULDERS TYPE B

NUMBER	LOCATION	COUNTY	SIDE OF ROAD	TONS
1	TOWNSHIP ROAD 950E UNDER I-70	CUMBERLAND	WEST	18.8
1	TOWNSHIP ROAD 950E UNDER I-71	CUMBERLAND	EAST	15.0
2	OLD IL 140 UNDER I-70	FAYETTE	NORTH	5.7
3	BROAD ST. UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	WEST	22.8
4	FAIRWAY VIEW CIRCLE UNDER I-57 NEAR MATTOON	COLES	WEST	29.9
5	DEWITT AVE (IL 316) UNDER I-57 IN MATTOON	COLES	NORTH	23.7
6	IL 48 UNDER I-72 IN DECATUR	MACON	WEST	9.5
7	IL 48 UNDER I-72 NORTHEAST OF DECATUR	MACON	NORTH	49.0
8	IL 121 UNDER I-72 IN DECATUR	MACON	NORTH	8.5
9	IL 48 UNDER US 51 IN DECATUR	MACON	NORTH	7.9
10	OLD US 51 OVER US 51 IN DECATUR	MACON	EAST	8.2
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	EAST	3.2
13	751st ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	WEST	3.5
TOTAL =				205.9
NOTE: AGGREGATE SHOULDERS SHALL BE USED ALONG GUARDRAIL AS DETERMINED BY THE ENGINEER.				USE = 206.0

60608250 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.06

NUMBER	LOCATION	COUNTY	FOOT
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	867.0
TOTAL =			867.0

60608300 COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.12

NUMBER	LOCATION	COUNTY	FOOT
12	US 45 UNDER I-64	WAYNE	831.0
TOTAL =			831.0

60618300 CONCRETE MEDIAN SURFACE, 4"

NUMBER	LOCATION	COUNTY	SQ FT
12	US 45 UNDER I-64	WAYNE	5386.0
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	5784.0
TOTAL =			11170.0

GUARDRAIL SCHEDULES

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 63000025 STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES
 63100045 TRAFFIC BARRIER TERMINAL, TYPE 2
 63100089 TRAFFIC BARRIER TERMINAL, TYPE 6B
 63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 78201000 TERMINAL MARKER - DIRECT APPLIED

NUMBER	LOCATION	COUNTY	SIDE OF ROAD	FT	FT	EA	EA	EA	EA
1	TOWNSHIP ROAD 950E UNDER I-70	CUMBERLAND	WEST	212.5				2.0	2.0
1	TOWNSHIP ROAD 950E UNDER I-70	CUMBERLAND	EAST	237.5				2.0	2.0
2	OLD IL 140 UNDER I-70	FAYETTE	NORTH	225.0				2.0	2.0
3	BROAD ST. UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	WEST	300.0				2.0	2.0
4	FAIRWAY VIEW CIRCLE UNDER I-57 NEAR MATTOON	COLES	WEST	162.5				2.0	2.0
5	DEWITT AVE (IL 316) UNDER I-57 IN MATTOON	COLES	NORTH	212.5	12.5			2.0	2.0
6	IL 48 UNDER I-72 IN DECATUR	MACON	WEST	312.5		1.0		1.0	1.0
7	IL 48 UNDER I-72 NORTHEAST OF DECATUR	MACON	NORTH	325.0		1.0		1.0	1.0
8	IL 121 UNDER I-72 IN DECATUR	MACON	NORTH	275.0		1.0		1.0	1.0
9	IL 48 UNDER US 51 IN DECATUR	MACON	NORTH	250.0		1.0		1.0	1.0
10	OLD US 51 OVER US 51 IN DECATUR	MACON	EAST	262.5		1.0		1.0	1.0
11	IL 105 UNDER CN RAILROAD IN DECATUR	MACON	NORTH	100.0			1.0	1.0	1.0
11	IL 105 UNDER CN RAILROAD IN DECATUR	MACON	CENTER	200.0			2.0	2.0	2.0
11	IL 105 UNDER CN RAILROAD IN DECATUR	MACON	SOUTH	100.0			1.0	1.0	1.0
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	EAST	212.5		1.0		1.0	1.0
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	WEST	225.0		1.0		1.0	1.0
TOTAL=				3612.5	12.5	7	4	23	23

63200310 GUARDRAIL REMOVAL

NUMBER	LOCATION	COUNTY	FOOT
4	FAIRWAY VIEW CIRCLE UNDER I-57 NEAR MATTOON	COLES	124.0
TOTAL=			124.0

64300450 IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3

NUMBER	LOCATION	COUNTY	EA
12	US 45 UNDER I-64	WAYNE	2.0
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	2.0
TOTAL=			4.0

78200410 GUARDRAIL MARKERS, TYPE A

NUMBER	LOCATION	COUNTY	EA
1	TOWNSHIP ROAD 950E UNDER I-70	CUMBERLAND	8.0
2	OLD IL 140 UNDER I-70	FAYETTE	4.0
3	BROAD ST. UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	5.0
4	FAIRWAY VIEW CIRCLE UNDER I-57 NEAR MATTOON	COLES	4.0
5	DEWITT AVE (IL 316) UNDER I-57 IN MATTOON	COLES	4.0
6	IL 48 UNDER I-72 IN DECATUR	MACON	4.0
7	IL 48 UNDER I-72 NORTHEAST OF DECATUR	MACON	5.0
8	IL 121 UNDER I-72 IN DECATUR	MACON	4.0
9	IL 48 UNDER US 51 IN DECATUR	MACON	4.0
10	OLD US 51 OVER US 51 IN DECATUR	MACON	4.0
11	IL 105 UNDER CN RAILROAD IN DECATUR	MACON	16.0
12	US 45 UNDER I-64	WAYNE	8.0
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	16.0
TOTAL=			86.0

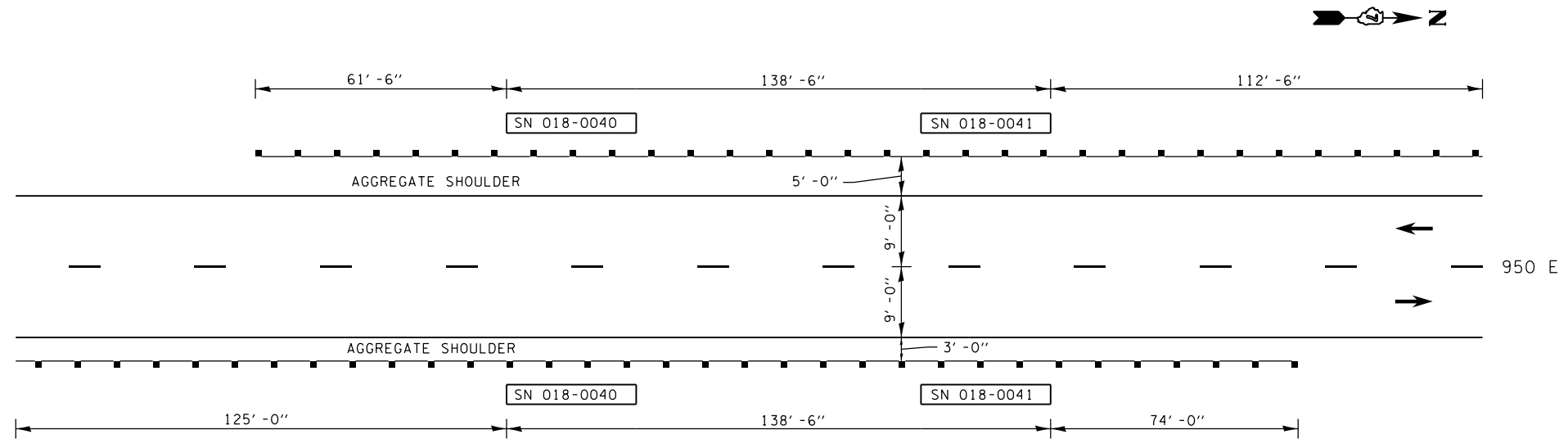
78200300 PRISMATIC CURB REFLECTORS

NUMBER	LOCATION	COUNTY	EA
12	US 45 UNDER I-64	WAYNE	30.0
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	26.0
TOTAL=			56.0

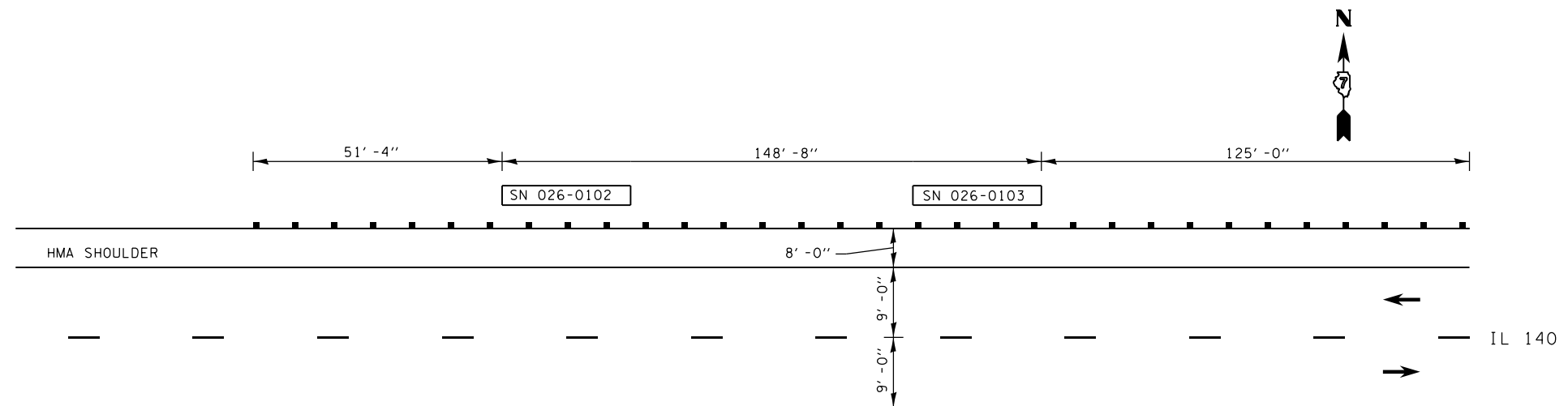
X6311217 TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)

NUMBER	LOCATION	COUNTY	EACH
12	US 45 UNDER I-64	WAYNE	4.0
13	750th ST UNDER I-57 NEAR EDGEWOOD	EFFINGHAM	4.0
TOTAL=			8.0

LOCATION 1: TOWNSHIP ROAD 950E UNDER I-70 IN CUMBERLAND COUNTY



LOCATION 2: OLD IL 140 UNDER I-70 IN FAYETTE COUNTY



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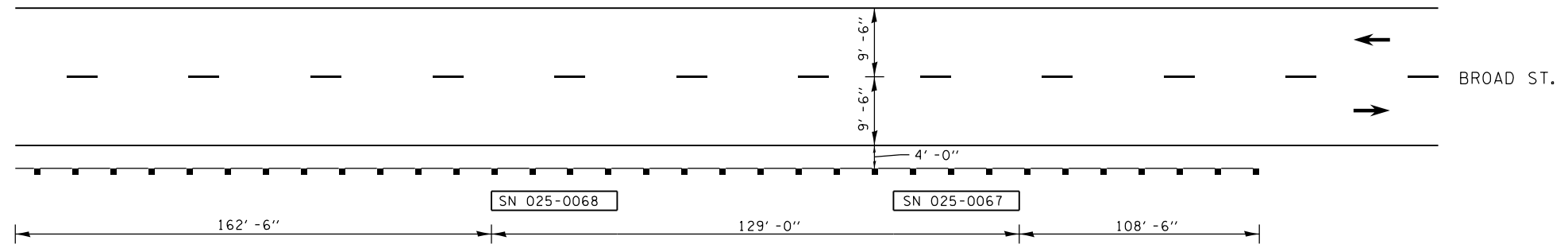
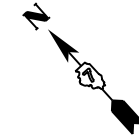
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

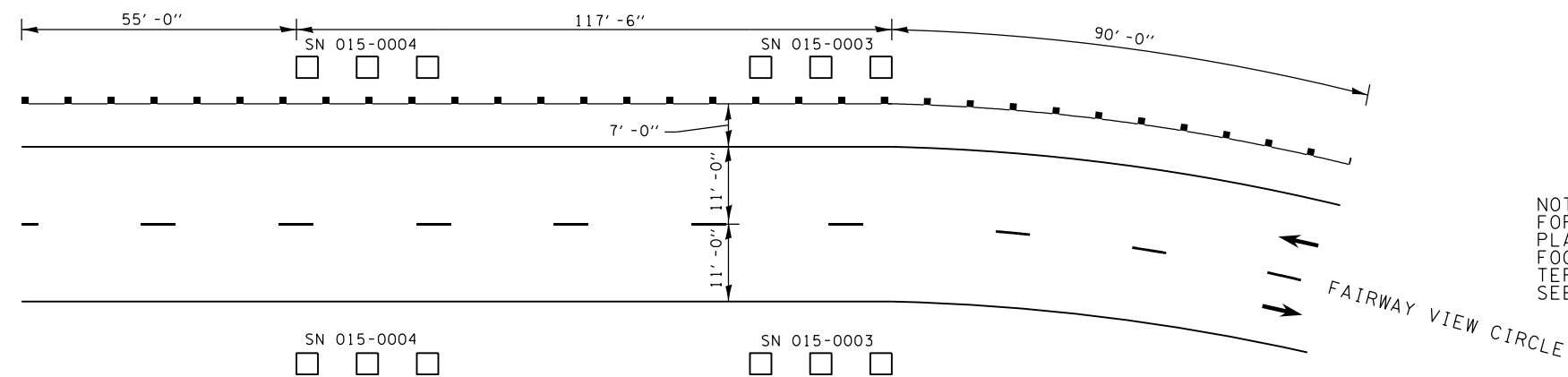
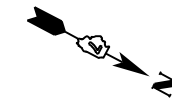
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 SAFETY 2014-1	VARIOUS	20	7
CONTRACT NO. 74645			ILLINOIS FED. AID PROJECT	

LOCATION 3: BROAD ST. UNDER I-57 NEAR EDGEWOOD



LOCATION 4: FAIRWAY VIEW CIRCLE UNDER I-57 NEAR MATTOON



NOTE: FURNISHED EXCAVATION REQUIRED FOR SHOULDER WIDENING FOR STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS AND TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. SEE STANDARD 630301-06.

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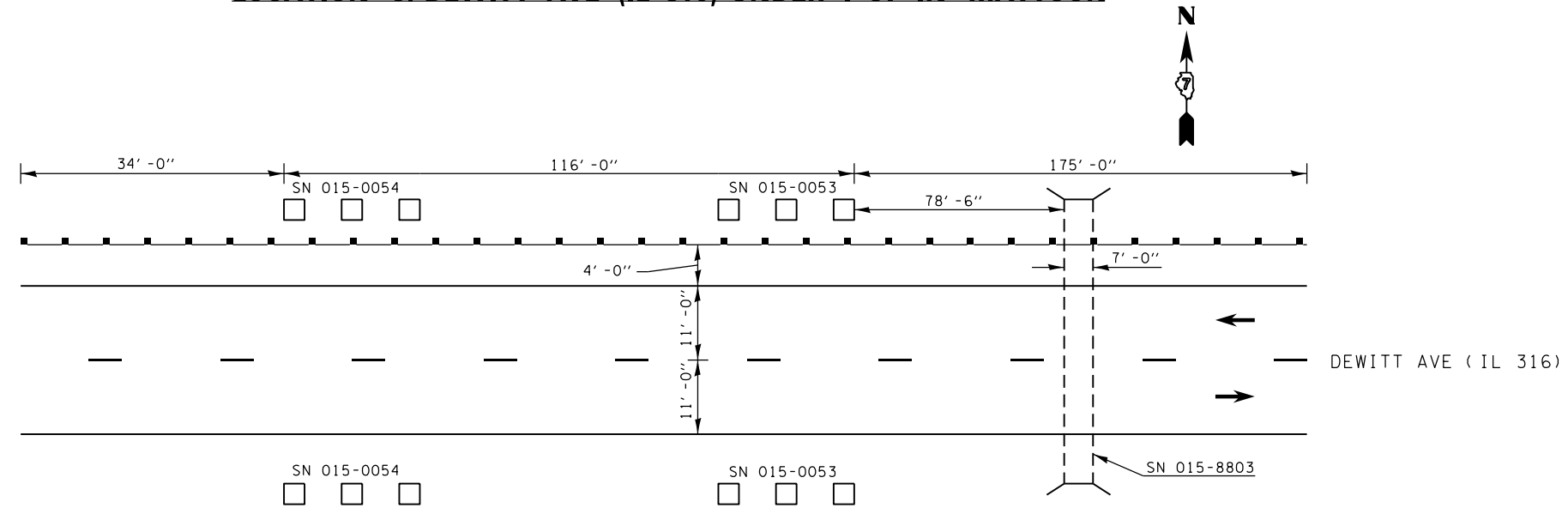
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

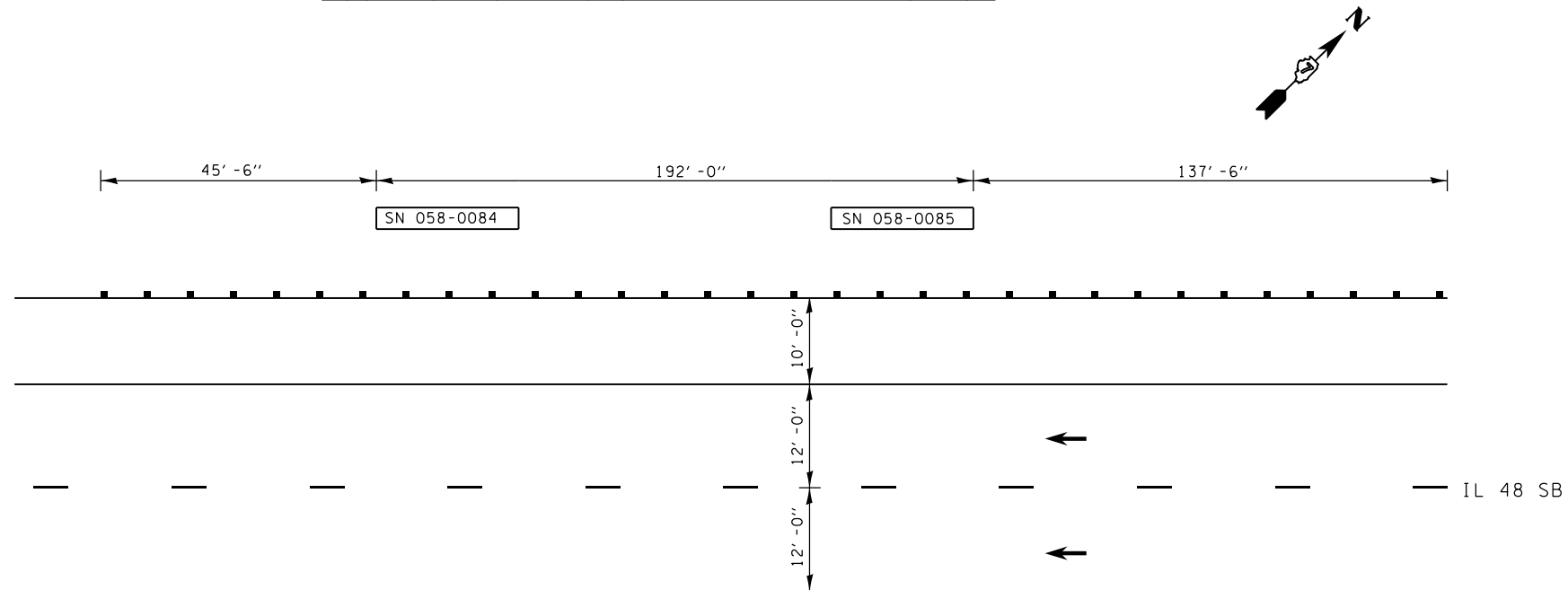
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 SAFETY 2014-1	VARIOUS	20	8
			CONTRACT NO. 74645	
ILLINOIS FED. AID PROJECT				

LOCATION 5: DEWITT AVE (IL 316) UNDER I-57 IN MATTOON



LOCATION 6: IL 48 UNDER I-72 IN DECATUR



NOTE: FURNISHED EXCAVATION REQUIRED FOR SHOULDER WIDENING FOR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. SEE STANDARD 630301-06.

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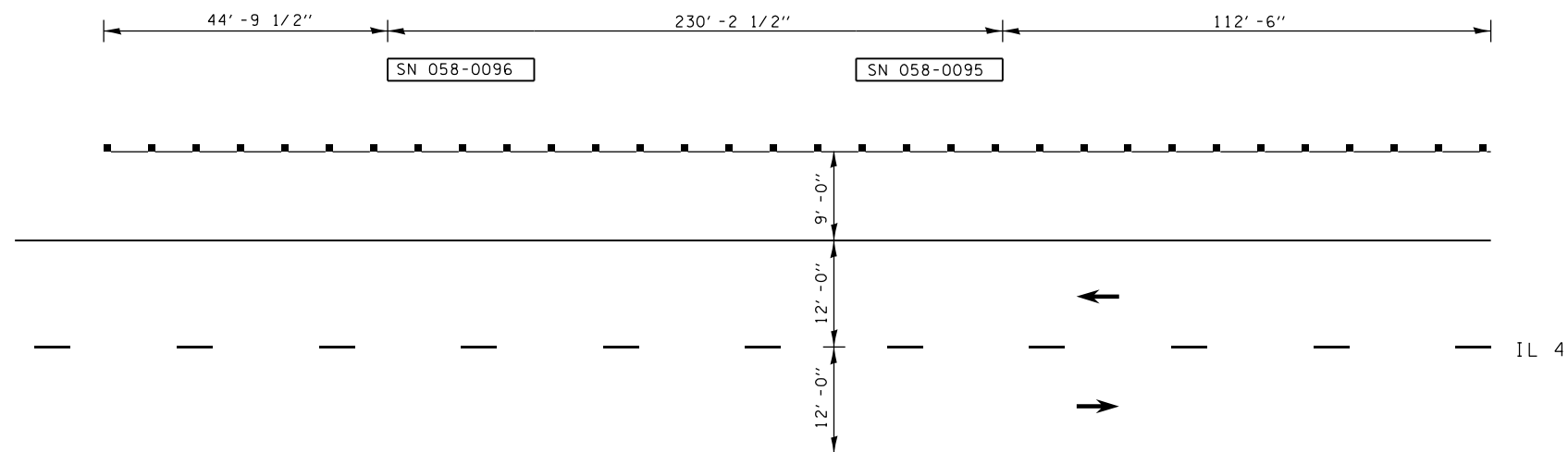
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: N/A SHEET 3 OF 8 SHEETS STA. TO STA.

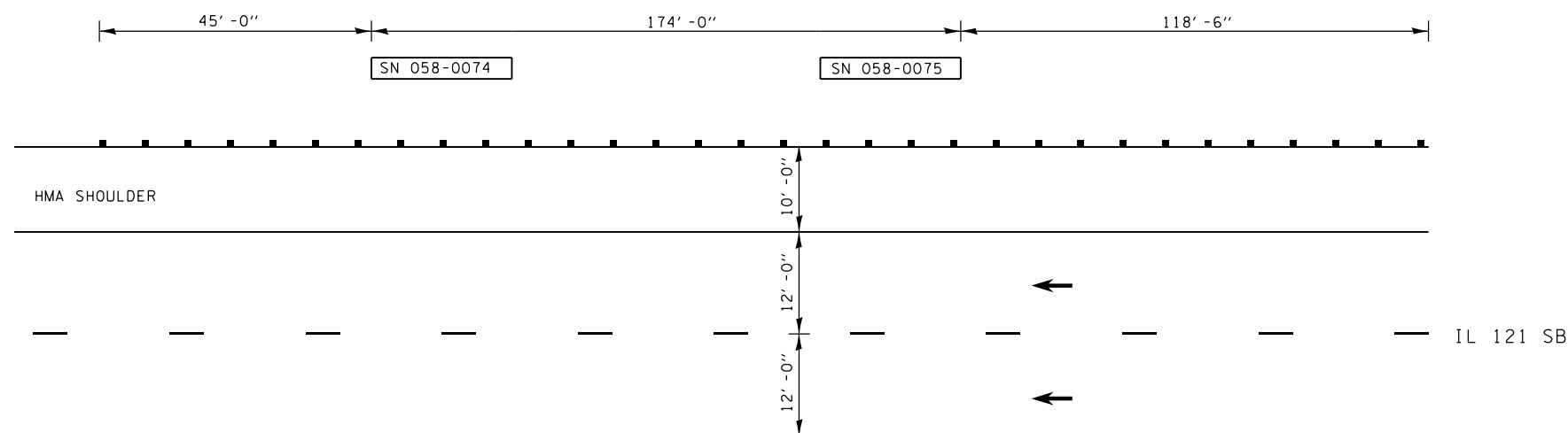
F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 SAFETY 2014-1	VARIOUS	20	9
				CONTRACT NO. 74645
ILLINOIS FED. AID PROJECT				

LOCATION 7: IL 48 UNDER I-72 NORTHEAST OF DECATUR



NOTE: FURNISHED EXCAVATION REQUIRED FOR SHOULDER WIDENING FOR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. SEE STANDARD 630301-06.

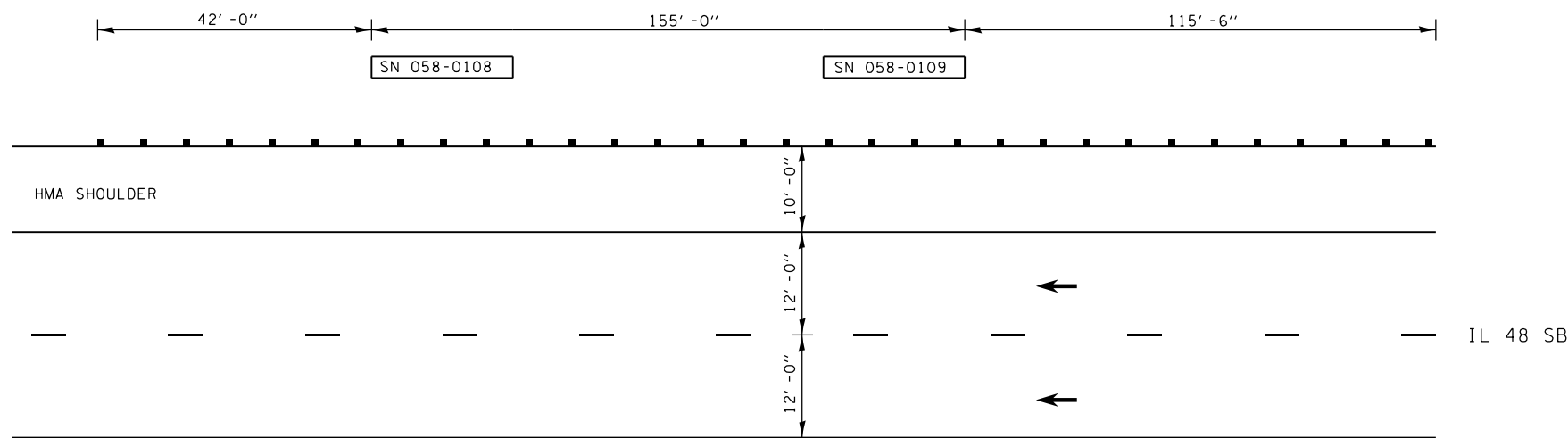
LOCATION 8: IL 121 UNDER I-72 IN DECATUR



NOTE: FURNISHED EXCAVATION REQUIRED FOR SHOULDER WIDENING FOR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. SEE STANDARD 630301-06.

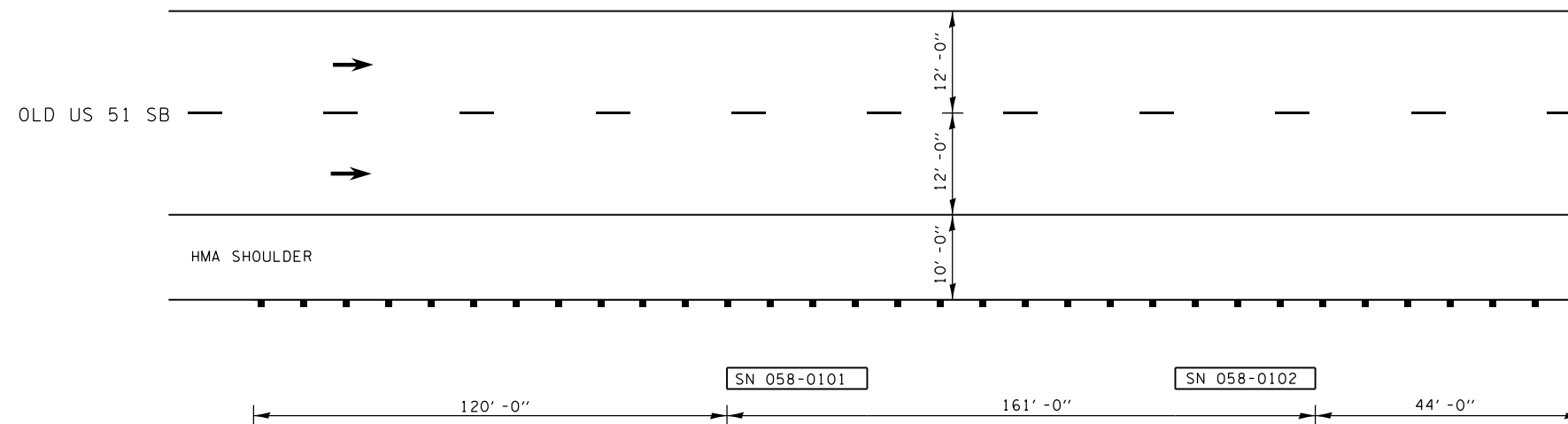
FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 1/28/2014	CHECKED -	REVISED -		SCALE: N/A	SHEET 4	OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 74645		
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

LOCATION 9: IL 48 UNDER US 51 IN DECATUR



NOTE: FURNISHED EXCAVATION REQUIRED FOR SHOULDER WIDENING FOR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. SEE STANDARD 630301-06.

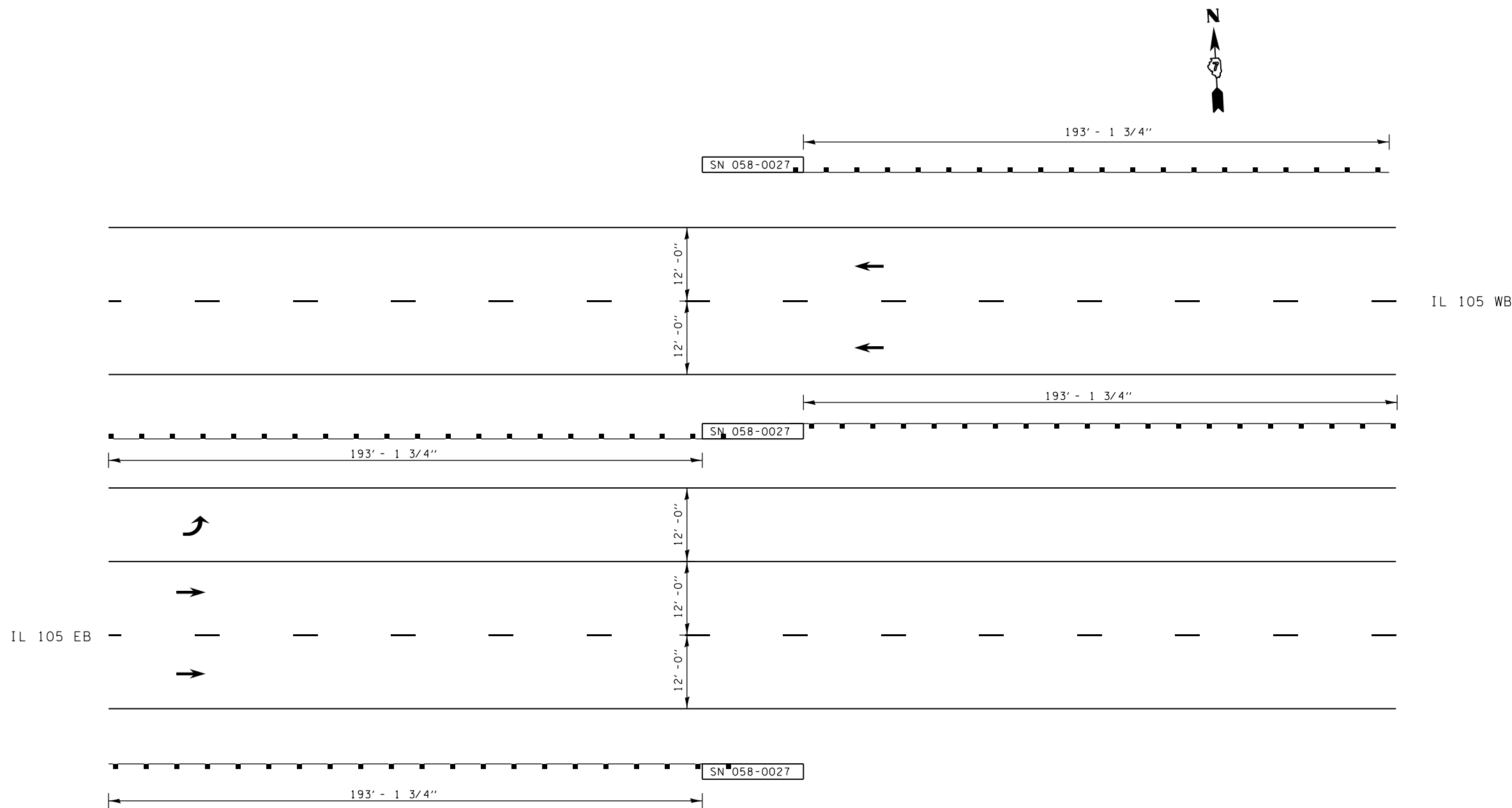
LOCATION 10: OLD US 51 OVER US 51 IN DECATUR



NOTE: FURNISHED EXCAVATION REQUIRED FOR SHOULDER WIDENING FOR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. SEE STANDARD 630301-06.

FILE NAME = c:\pwork\pwork\steffenmk\d0365715\074645-sh1-details.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -					VAR.	D7 SAFETY 2014-1	VARIOUS	20	11
Default	PLOT DATE = 1/28/2014	DATE -	REVISED -		SCALE: N/A	SHEET 5	OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 74645		
ILLINOIS FED. AID PROJECT												

LOCATION 11: IL 105 UNDER CN RAILROAD IN DECATUR



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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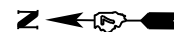
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: N/A SHEET 6 OF 8 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 SAFETY 2014-1	VARIOUS	20	12
CONTRACT NO. 74645				
ILLINOIS FED. AID PROJECT				

LOCATION 12: US 45 UNDER I-64



SN 096-0053

SN 096-0059



US 45 NB

SEE DETAIL FOR TRAFFIC BARRIER TERMINAL TYPE 6B (SPECIAL)



SEE DETAIL OF IMPACT ATTENUATORS
(NON-REDIRECTIVE) TEST LEVEL 3 ARRAY

US 45 SB



SN 096-0053

SN 096-0059

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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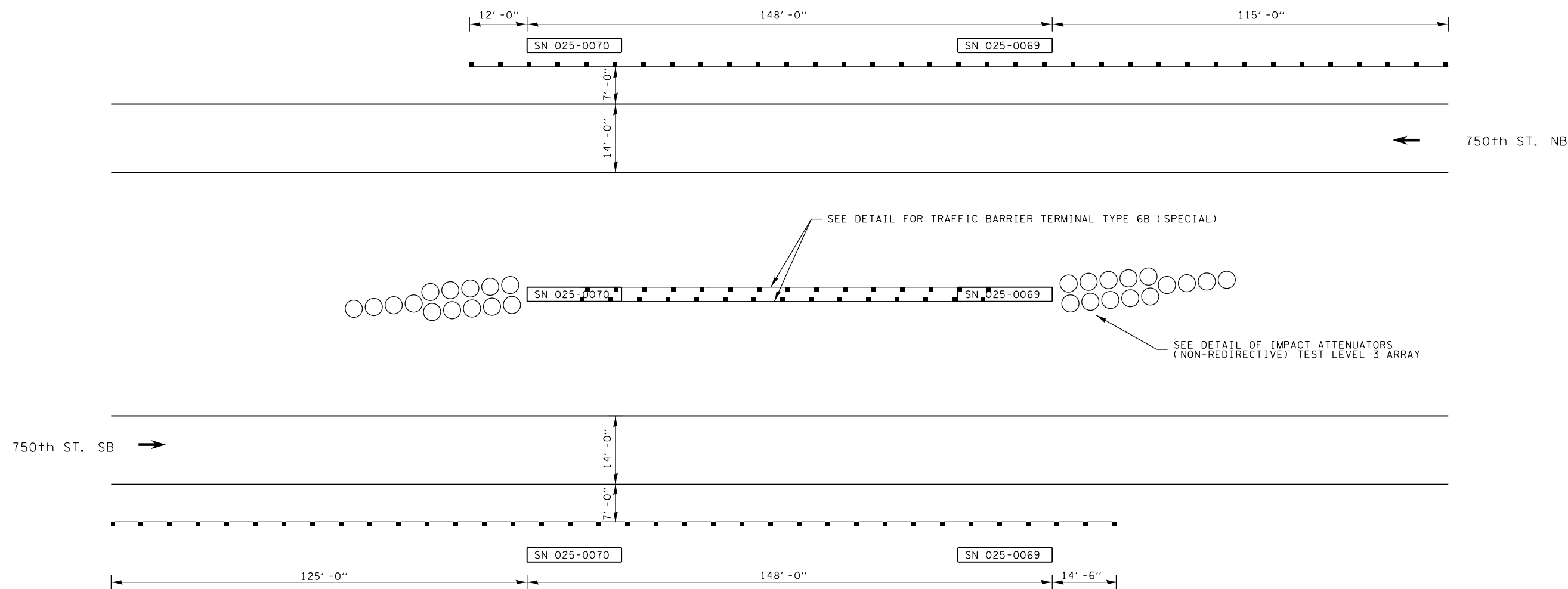
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL DETAILS

SCALE: N/A SHEET 7 OF 8 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 SAFETY 2014-1	VARIOUS	20	13
			CONTRACT NO. 74645	
ILLINOIS FED. AID PROJECT				

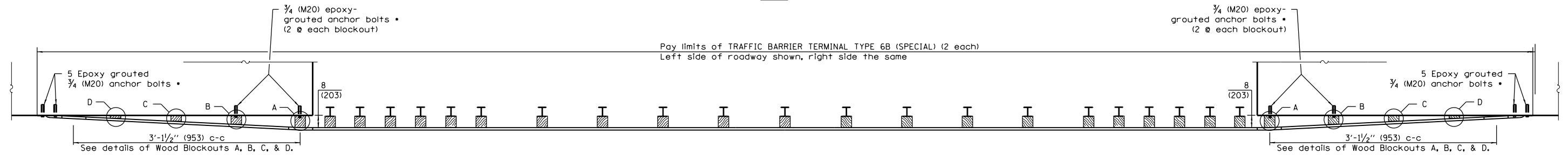
LOCATION 13: 750th ST UNDER I-57 NEAR EDGEWOOD



NOTE: FURNISHED EXCAVATION REQUIRED FOR SHOULDER WIDENING FOR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. SEE STANDARD 630301-06.

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL DETAILS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ct:\pwork\pwork\steffenmk\d0365715\0774645-sh1-details.dgn		DRAWN -	REVISED -		SCALE: N/A	SHEET 8	OF 8	SHEETS	STA.	TO STA.	VAR.	D7 SAFETY 2014-1	VARIOUS	20	14
Default		CHECKED -	REVISED -						CONTRACT NO. 74645						
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT						

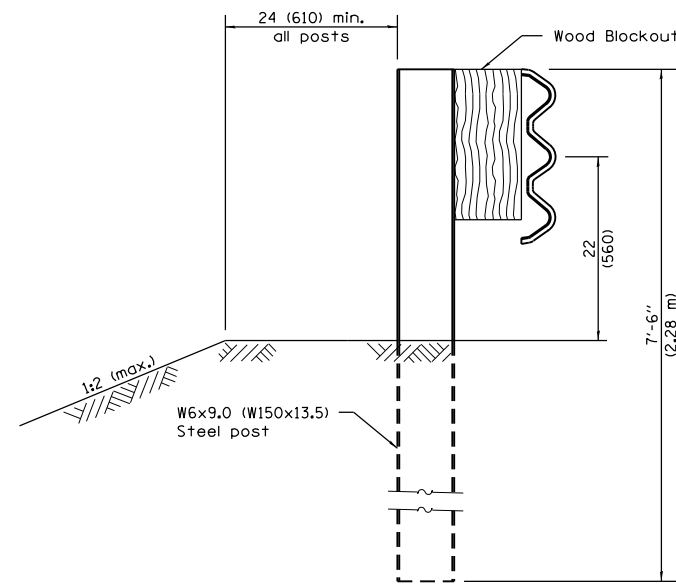
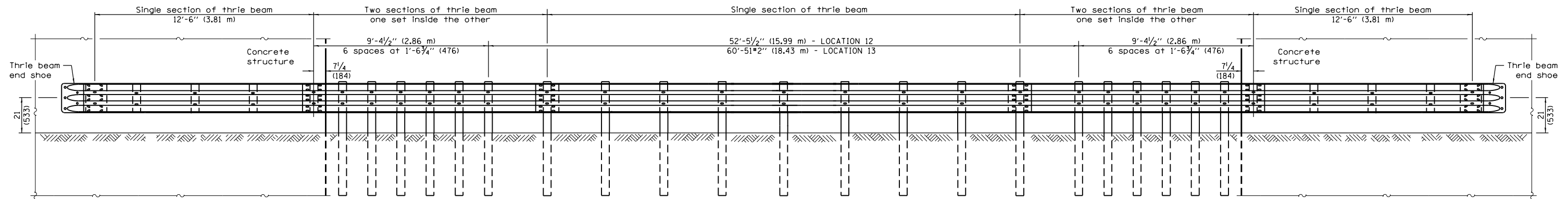
PLAN



• With standard washers. After tightening, cut the anchor bolts flush with the nuts and damage the nuts to prevent them from loosening.

• With standard washers. After tightening, cut the anchor bolts flush with the nuts and damage the nuts to prevent them from loosening.

ELEVATION



SECTION A-A

GENERAL NOTES

See Standard 631033 for details of guardrail not shown.

The thrie beam will need to be cut and drilled to accommodate spacing between the two structures

Thrie beam rail shall be bolted to block-out at all posts.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ci:\pw_work\pwidot\steffenmk\d0365715\074645-sh1-details.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/28/2014	DATE -	REVISED -

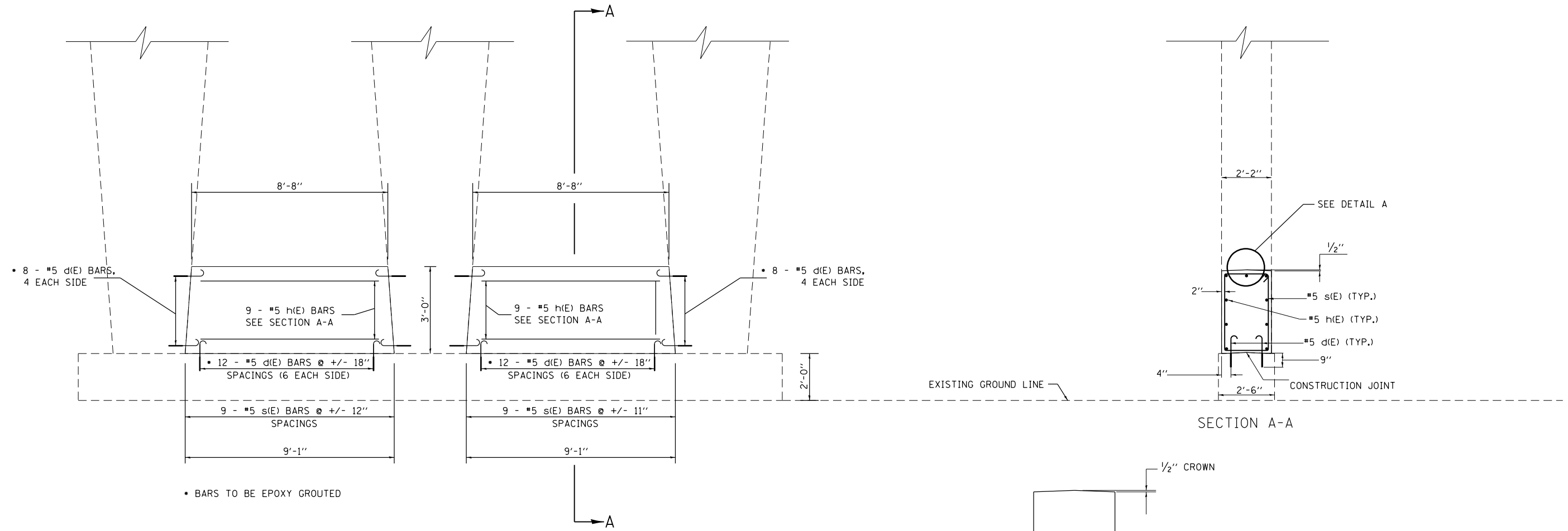
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL FOR TRAFFIC BARRIER TERMINAL TYPE 6B (SPECIAL)

SCALE: N/A SHEET OF SHEETS STA. TO STA.

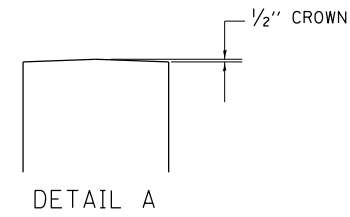
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 SAFETY 2014-1	VARIOUS	20	15
CONTRACT NO. 74645				
ILLINOIS FED. AID PROJECT				

DETAIL OF CRASHWALL EXTENSION



• BARS TO BE EPOXY GROUTED

SECTION A-A



DETAIL A

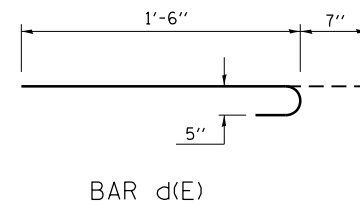
GENERAL NOTES

EPOXY GROUTING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 584 OF THE STANDARD SPECIFICATIONS. THE DRILLED HOLES FOR THE d(E) BARS SHALL BE 1/4" LARGER THAN THE DIAMETER OF THE BAR. THE COST OF THE EPOXY GROUTING AND DRILLING SHALL BE INCLUDED IN THE COST OF REINFORCEMENT BARS, EPOXY COATED.

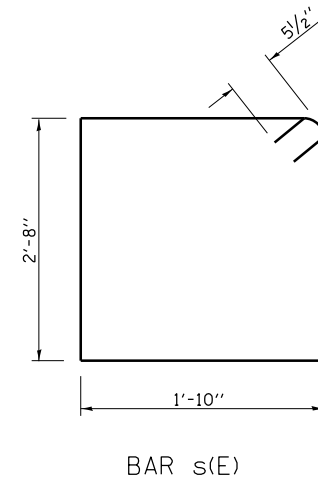
PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

REINFORCEMENT BARS LABELED (E) ARE EPOXY COATED BARS

BAR TABLE				
BAR	QTY.	SIZE	LENGTH	SHAPE
d(E)	112	#5	2'-1"	
s(E)	36	#5	9'-11"	
h(E)	36	#5	8'-4"	



BAR d(E)

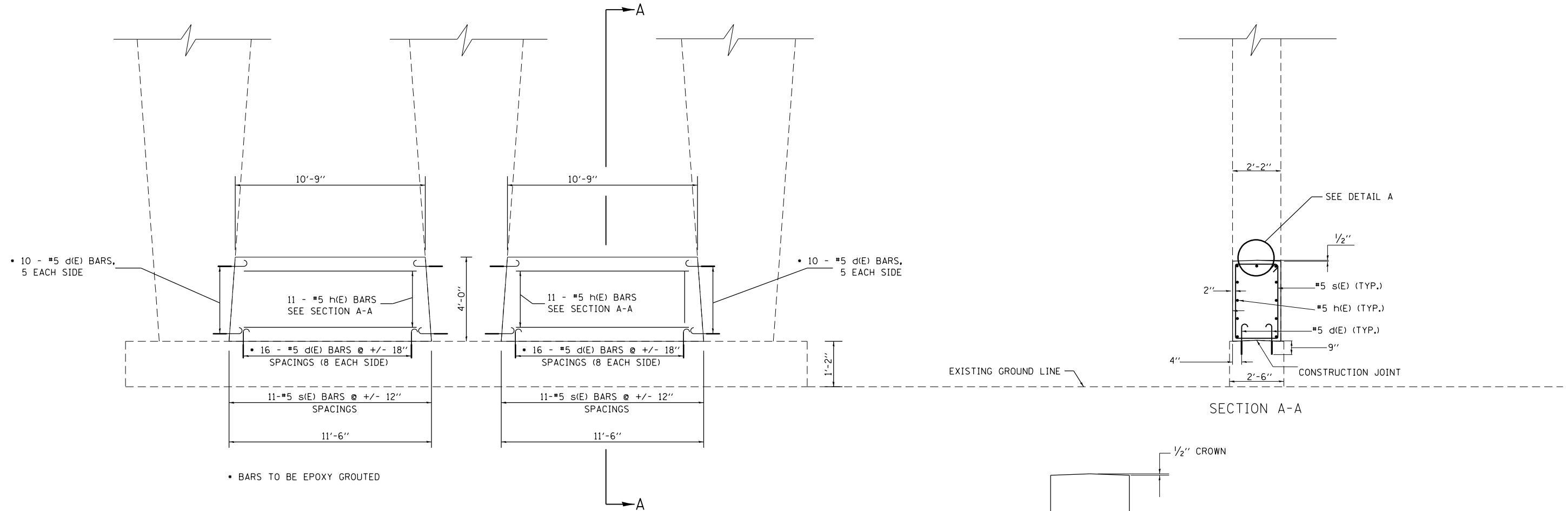


BAR s(E)

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU.YD.	8.5
REINFORCEMENT BARS, EPOXY COATED	LB.	930

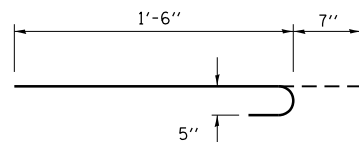
DETAIL OF CRASHWALL EXTENSION



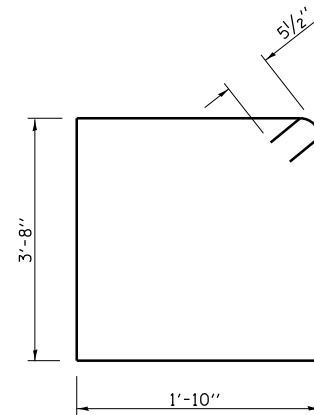
• BARS TO BE EPOXY GROUTED

BAR TABLE

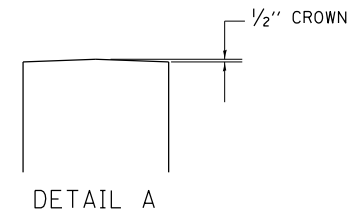
BAR	QTY.	SIZE	LENGTH	SHAPE
d(E)	144	#5	2'-1"	
s(E)	44	#5	11'-11"	
h(E)	44	#5	10'-5"	



BAR d(E)



BAR s(E)



DETAIL A

SECTION A-A

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU.YD.	14.3
REINFORCEMENT BARS, EPOXY COATED	LB.	1340

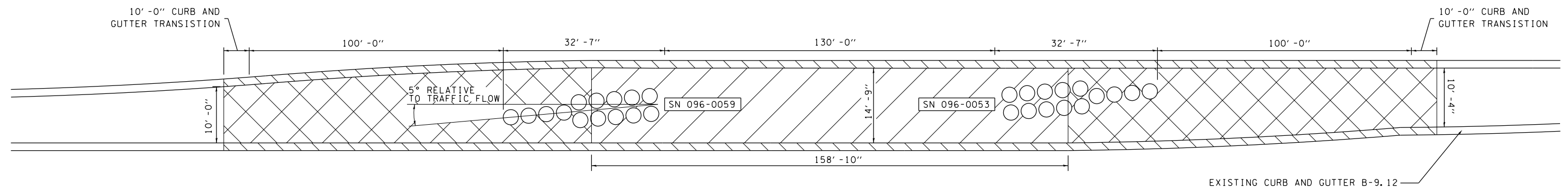
GENERAL NOTES

EPOXY GROUTING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 584 OF THE STANDARD SPECIFICATIONS. THE DRILLED HOLES FOR THE d(E) BARS SHALL BE 1/4" LARGER THAN THE DIAMETER OF THE BAR. THE COST OF THE EPOXY GROUTING AND DRILLING SHALL BE INCLUDED IN THE COST OF REINFORCEMENT BARS, EPOXY COATED.

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD 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 THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

REINFORCEMENT BARS LABELED (E) ARE EPOXY COATED BARS

LOCATION 12: US 45 UNDER I-64

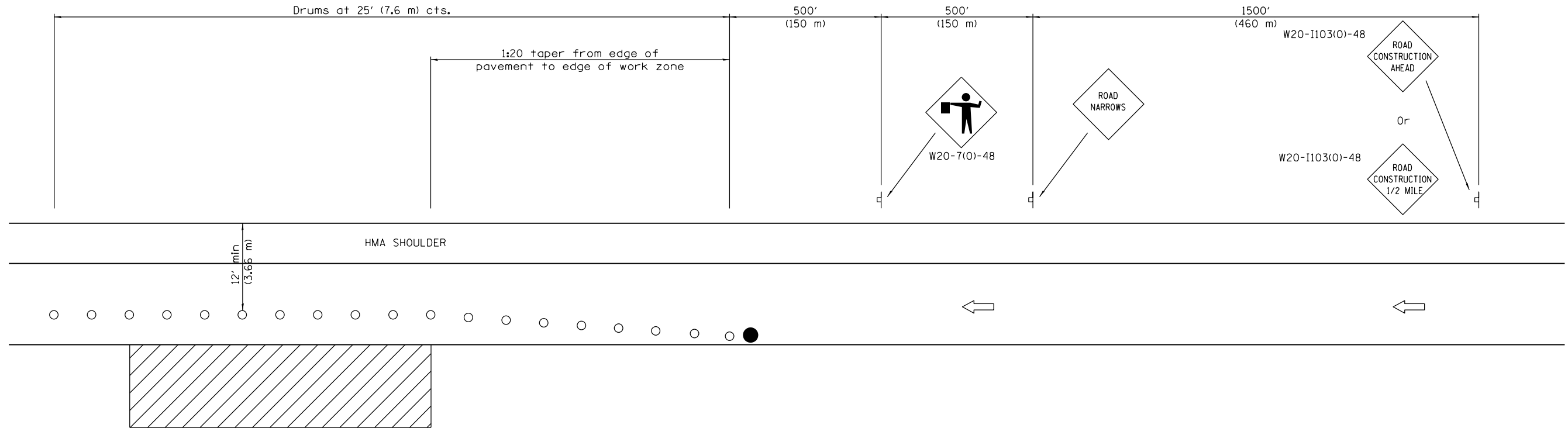


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- NOTES:
- 1.) SEE HIGHWAY STANDARD 643001-02 SAND MODULE IMPACT ATTENUATORS FOR ADDITIONAL INFORMATION
 - 2.) CURB AND GUTTER TRANSITION COST INCLUDED IN COMBINATION CURB AND GUTTER, TYPE M-2.12

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF IMPACT ATTENUATORS (NON-REDIRECTIVE) TEST LEVEL 3 ARRAY	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.					
	PLOT DATE = 1/28/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT CONTRACT NO. 74645					

PARTIAL LANE CLOSURE



SYMBOLS

- Sign
- Drum
- ▨ Work area
- Flagger with traffic control sign

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ct:\pw\work\p\idot\steffenmk\d0365715\0774645-sh1-details.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/28/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

SCALE: N/A SHEET OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 SAFETY 2014-1	VARIOUS	20	20
CONTRACT NO. 74645				
ILLINOIS FED. AID PROJECT				