

04-27-12 LETTING ITEM 029

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR STATE STANDARDS, SEE SHEET NO. 2

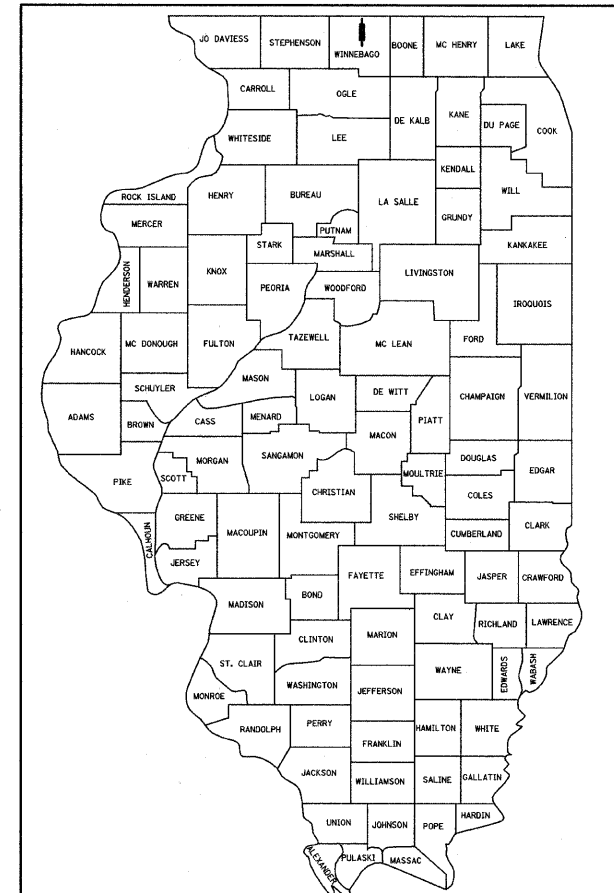
PROJECT LOCATED IN THE CITY OF ROSCOE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

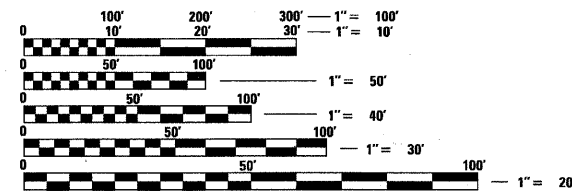
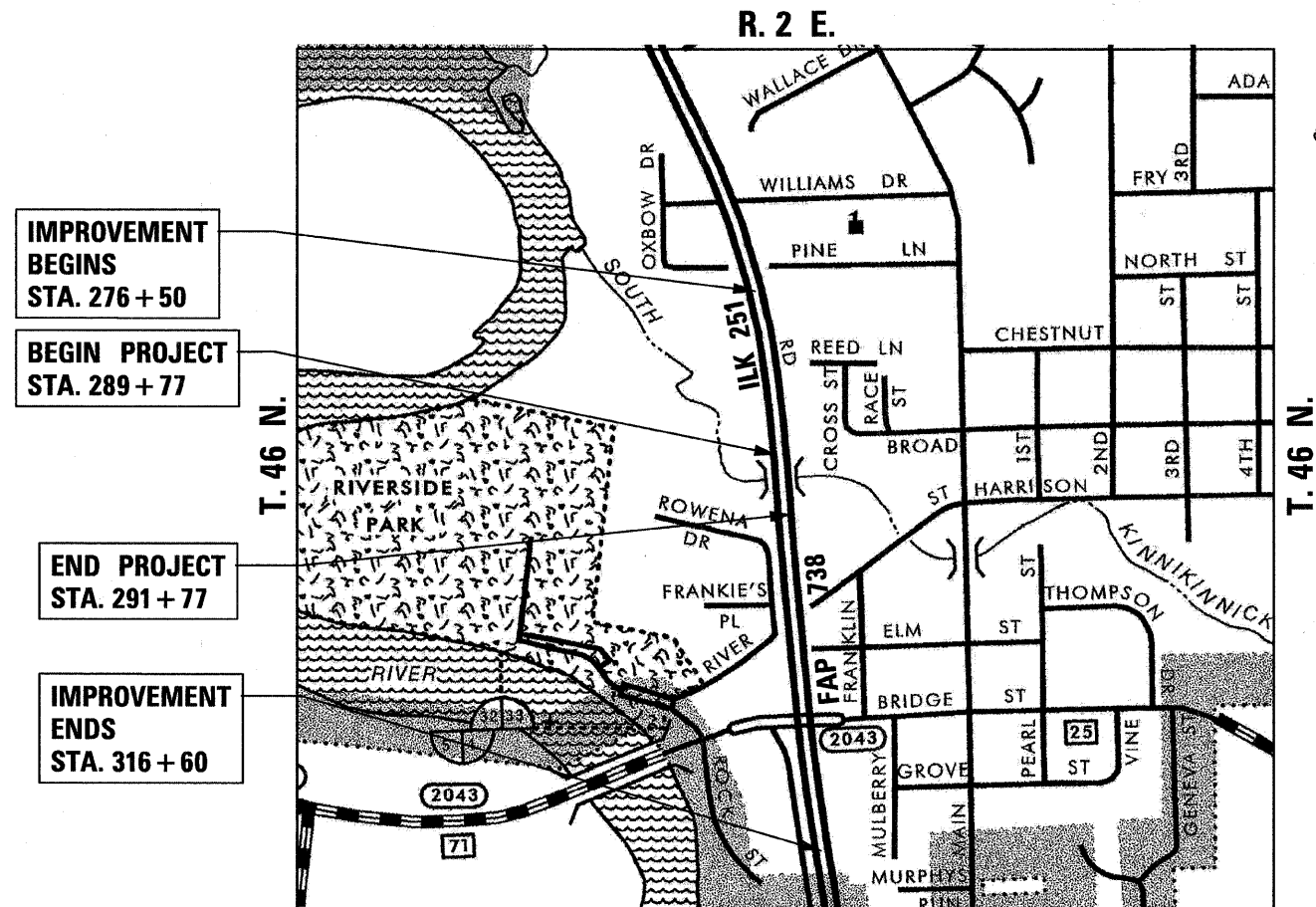
FAP 738 (IL. RTE. 251)
S.N. 101-0037 & S.N. 101-0038 OVER S. KINNIKINNICK CREEK
BRIDGE REHABILITATION
SECTION (5B-2)M
WINNEBAGO COUNTY
C-92-138-11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-2)M	WINNEBAGO	22	1
		ILLINOIS	CONTRACT NO. 64H23	

D-92-093-11



LOCATION OF SECTION INDICATED THUS: -



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 LOCATING INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT MANAGER : MAHMOUD ETEMADI (815) 284-5393
DESIGN PROJECT MANAGER : GEORGE LIPTACK (312) 372-2023

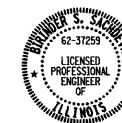
CONTRACT NO. 64H23

ROSCOE TOWNSHIP, SECTION 33
NOT TO SCALE

GROSS LENGTH OF PROJECT = 200 LIN. FT. = 0.038 MILE
NET LENGTH OF PROJECT = 200 LIN. FT. = 0.038 MILE



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
211 W. WACKER DRIVE CHICAGO, IL. 60606
TELEPHONE: 312-372-2023



Birinder S. Sachdeva 1-23-12
BIRINDER S. SACHDEVA, P.E. DATE
EXPIRES: 11-30-2013
DRAWING NO.: 1-10, 17-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED January 24, 2012
Eric S. Shertel
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 23, 2012
John D. Baranzelli, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

March 23, 2012
William R. Frazee
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

SHEET NO. INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES - IL 251 AT S KINNICKINICK CREEK
3	SUMMARY OF QUANTITIES - IL 251 AT S KINNICKINICK CREEK
4	SCHEDULE OF QUANTITIES- IL 251 AT S KINNICKINICK CREEK
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7-8	TRAFFIC CONTROL AND PROTECTION PLAN - IL 251 AT S KINNICKINICK BRIDGE STAGE II
9	APPROACH PAVEMENT SURFACE REMOVAL AND REPLACEMENT PLAN - IL 251 AT S. KINNICKINICK CREEK
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11	GENERAL PLAN AND ELEVATION - IL ROUTE 251 OVER S KINNICKINICK CREEK SN 101-0037 (NB) & 0038 (SB)
12	CONCRETE REMOVAL DETAILS - SN 101-0037 (NB) & 0038 (SB)
13	CONCRETE REPLACEMENT DETAILS - SN 101-0037 (NB) & 0038 (SB)
14	PREFORMED JOINT STRIP SEAL DETAILS - SN 101-0037 (NB) & 0038 (SB)
15	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS -SN 101-0037 (NB) & 0038 (SB)
16	REPAIR DETAILS - SN 101-0037 (NB) & 0038 (SB)
17	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION - SN 101-0037 (NB) & 0038 (SB)
18	INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES) (DIST STD 39.2) TRAFFIC CONTROL & PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (DIST STD 94.2)
19-21	TYPICAL PAVEMENT MARKINGS (DIST STD 41.1)
22	PAINTING DETAILS (DIST STD 44.1)

GENERAL NOTES

ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USES(S); PG:	PAVEMENT	SHOULDER
	SURFACE	SURFACE
DESIGN AIR VOIDS	4.0% @ N70	3.0% AT N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5 OR 12.5
FRICION AGGREGATE	MIX D	MIX C
20 YEAR ESAL		NA
MIX UNIT WEIGHT	112 LBS/SY/IN	112 LB/SY/IN

THE AREA TO BE PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAYS PRODUCTIVITY, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.

INSTALL RUMBLE STRIPS IN ALL SHOULDERS IN ACCORDANCE WITH STATE STANDARD 642001. RUMBLE STRIPS SHALL BE PLACED ON SHOULDERS ON BOTH SIDES OF THE PAVEMENT.

BITUMINOUS AND AGGREGATE PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. THE COST OF THE PRIME COATS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE OF THE TYPE SPECIFIED.

REFLECTOR MARKERS TYPE B SHALL BE INSTALLED ON THE TOP OF BRIDGE PARAPET WALLS. THE MARKERS SHALL BE ACCORDING TO STANDARD 635011 AND THE COLOR AND SPACING ACCORDING TO STANDARD 635006, EXCEPT THE MINIMUM IS 2 PER SIDE.

CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.

TEMPORARY IMPACT ATTENUATORS WILL BE MEASURED AS EACH FOR EACH ATTENUATOR SUPPLIED ON THE JOB AS SPECIFIED IN THE PLANS, AND SHALL INCLUDE THE COST OF RENTING/OWNING THE ATTENUATOR FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, TEMPORARY OF THE TYPE SPECIFIED.

RELOCATE TEMPORARY IMPACT ATTENUATORS WILL BE PAID FOR AS EACH AND WILL BE PAID FOR EACH TIME THE ATTENUATOR IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. TEMPORARY CONCRETE BARRIER WILL BE MEASURED IN FEET ALONG THE CENTERLINE OF THE BARRIER AND SHALL INCLUDE THE COST OF RENTING/OWNING THE BARRIER FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR TEMPORARY CONCRETE BARRIER.

RELOCATE TEMPORARY CONCRETE BARRIER WILL BE PAID FOR IN FEET ALONG THE CENTERLINE OF THE BARRIER, AND WILL BE PAID FOR EACH TIME THE BARRIER IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.

LIST OF ILLINOIS DOT 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
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701422-04	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701423-05	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

FILE NAME =D264H23-shr-index.dgn
PLOT DATE =1/23/2012
PLOT SCALE=50,0000 ' / IN.



DESIGNED -	G.F.L./K.R.K.	REVISED -	
DRAWN -	K.R.K.	REVISED -	
CHECKED -	E.J.M.	REVISED -	
DATE -	DECEMBER 2011	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF STATE STANDARDS AND
GENERAL NOTES - IL 251 AT S. KINNICKINICK CREEK**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-21M)	WINNEBAGO	22	2
			CONTRACT NO. 64H23	
ILLINOIS				

DATE	
BY	
SURVEYED	
PLANNED	
TEMP. AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
TEMP. AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

SUMMARY OF QUANTITIES			URBAN	0014 BRIDGE REPAIR
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STATE
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	96	96
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	77	77
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	784	784
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	852	852
50102400	CONCRETE REMOVAL	CU YD	12.4	12.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	12.2	12.2
50300260	BRIDGE DECK GROOVING	SQ YD	592	592
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	880	880
50800515	BAR SPLICERS	EACH	24	24
52000110	PREFORMED JOINT STRIP SEAL	FOOT	146	146
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	2,112	2,112
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1
70100325	TRAFFIC CONTROL AND PROTECTION, STANDARD 701423	EACH	2	2
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,383	1,383
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	12,138	12,138
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	4,046	4,046
70400100	TEMPORARY CONCRETE BARRIER	FOOT	650	650
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	600	600
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,520	2,520
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,091	1,091
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	581	581
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	2	2
* 78100300	REPLACEMENT REFLECTOR	EACH	53	53
78200410	GUARDRAIL MARKERS, TYPE A	EACH	23	23
78200520	BARRIER WALL MARKERS, TYPE B	EACH	12	12
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,766	1,766
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2	2
Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	637	637
Z0012144	BRIDGE DECK SCARIFICATION 2 1/2"	SQ YD	637	637
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10	10
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	10	10

* SPECIALTY ITEM

SUMMARY OF QUANTITIES			URBAN	0014 BRIDGE REPAIR
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STATE
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2

FILE NAME = D264H23-shr-500.dgn
 PLOT DATE = 1/23/2012
 PLOT SCALE = 50.0000' / IN.



CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED	-	G.F.L./K.R.K.	REVISED	-
DRAWN	-	K.R.K.	REVISED	-
CHECKED	-	E.J.M.	REVISED	-
DATE	-	DECEMBER 2011	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 251 AT S. KINNICKINICK CREEK
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-2)M	WINNEBAGO	22	3
			CONTRACT NO. 64H23	

Rev.

SCHEDULE OF QUANTITIES

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50						40603310
			WIDTH	SQYD	INCHES	TONS
Stage 1						
SB	287+60.00	290+25.00	4	117.8	2	13.2
SB	291+27.00	293+90.00	4	116.9	2	13.1
NB	287+60.00	290+25.00	4	117.8	2	13.2
NB	291+27.00	293+90.00	4	116.9	2	13.1
Stage 2						
SB	287+60.00	289+77.00	4	96.4	2	10.8
SB	291+77.00	293+90.00	4	94.7	2	10.6
NB	287+60.00	289+77.00	4	96.4	2	10.8
NB	291+77.00	293+90.00	4	94.7	2	10.6
TOTAL						95.4

HOT-MIX ASPHALT SURFACE REMOVAL, 2"					44000157
			WIDTH	SQ YD	
Stage 1					
SB	287+60.00	290+25.00	4	117.8	
SB	291+27.00	293+90.00	4	116.9	
NB	287+60.00	290+25.00	4	117.8	
NB	291+27.00	293+90.00	4	116.9	
Stage 2					
SB	287+60.00	289+77.00	4	96.4	
SB	291+77.00	293+90.00	4	94.7	
NB	287+60.00	289+77.00	4	96.4	
NB	291+77.00	293+90.00	4	94.7	
TOTAL					851.6

SHOULDER RUMBLE STRIPS, 16 INCH				64200116
				FOOT
Stage 1				
SB	287+60.00	290+25.00		265.0
SB	291+27.00	293+90.00		263.0
NB	287+60.00	290+25.00		265.0
NB	291+27.00	293+90.00		263.0
Stage 2				
SB	287+60.00	290+25.00		265.0
SB	291+27.00	293+90.00		263.0
NB	287+60.00	290+25.00		265.0
NB	291+27.00	293+90.00		263.0
TOTAL				2112.0

SHORT TERM PAVEMENT MARKING					70300100
					FOOT
SOUTHBOUND					
SKIP-DASH	276+50.00	293+40.00			139
YELLOW	287+60.00	293+90.00			208
WHITE	287+60.00	293+90.00			208
NORTHBOUND					
SKIP-DASH	288+10.00	303+30.00			125
SKIP-DASH	304+50.00	316+00.00			95
YELLOW	287+60.00	293+90.00			208
WHITE	287+60.00	293+90.00			208
WHITE	304+51.00	307+37.00			94
WHITE	304+51.00	307+46.00			97
TOTAL					1383.0

TEMPORARY CONCRETE BARRIER				70400100
				FOOT
STAGE 1				
	288+63.44	291+93.50		325
	289+57.53	292+85.82		325
TOTAL				650

RELOCATE TEMPORARY CONCRETE BARRIER				70400200
				FOOT
STAGE 2				
	288+89.00	291+93.57		300
	289+57.62	292+60.56		300
TOTAL				600

TEMPORARY PAVEMENT MARKING - LINE 4"					70300220	
				FOOT	FOOT	
STAGE 1						
SOUTHBOUND						
	276+50.00	293+40.00			1690	
	287+60.00	293+90.00		630		
NORTHBOUND						
	288+10.00	302+80.00			1470	
	287+60.00	293+90.00		630		
	303+00.00	303+61.00			56	
	303+00.00	303+46.00			46	
	303+61.00	303+61.00			27	
	304+27.00	307+15.00			288	
	304+27.00	304+27.00			29	
	304+15.00	306+63.00		248		
	306+63.00	307+15.00			52	
	307+00.00	316+60.00			960	
STAGE 2						
SOUTHBOUND						
	276+50.00	293+40.00		1,690		
	287+60.00	293+90.00			630	
NORTHBOUND						
	288+10.00	303+28.00		1,518		
	287+60.00	293+90.00			630	
	304+27.00	304+27.00			12	
	304+27.00	307+13.00			286	
	304+27.00	306+65.00		238		
	306+65.00	307+13.00			48	
	307+00.00	316+60.00			960	
TOTAL					5,914	6,224

WORK ZONE PAVEMENT MARKING REMOVAL						70301000	
				FOOT	FOOT	SQ. FT.	
STAGE 1							
SOUTHBOUND							
	276+50.00	293+40.00			1690	563.33	
	287+60.00	293+90.00		630		210.00	
NORTHBOUND							
	288+10.00	302+80.00			1470	490.00	
	287+60.00	293+90.00		630		210.00	
	303+00.00	303+61.00			56	18.67	
	303+00.00	303+46.00			46	15.33	
	303+61.00	303+61.00			27	9.00	
	304+27.00	307+15.00			288	96.00	
	304+27.00	304+27.00			29	9.67	
	304+15.00	306+63.00		248		82.67	
	306+63.00	307+15.00			52	17.33	
	307+00.00	316+60.00			960	320.00	
STAGE 2							
SOUTHBOUND							
	276+50.00	293+40.00		1,690		563.33	
	287+60.00	293+90.00			630	210.00	
NORTHBOUND							
	288+10.00	303+28.00		1,518		506.00	
	287+60.00	293+90.00			630	210.00	
	304+27.00	304+27.00			12	4.00	
	304+27.00	307+13.00			286	95.33	
	304+27.00	306+65.00		238		79.33	
	306+65.00	307+13.00			48	16.00	
	307+00.00	316+60.00			960	320.00	
TOTAL					5,914	6,224	4,046

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70						40603340
				SQYD	INCHES	TONS
SB NORTH APPROACH	289+77.00	290+27.00		177.0	1.75	17.3
SB SOUTH APPROACH	291+27.00	291+77.00		215.0	1.75	21.1
NB NORTH APPROACH	289+77.00	290+27.00		214.0	1.75	21.0
NB SOUTH APPROACH	291+27.00	291+77.00		178.0	1.75	17.4
TOTAL						784

GUARDRAIL MARKERS, TYPE A					78200410
				25' SPACING	TOTAL
SOUTHBOUND					
	287+70.00	290+25.00		/25	10
	288+65.00	290+25.00			6
NORTHBOUND					
	291+25.00	292+90.00			7
	291+25.00	293+80.00			10
TOTAL					23

HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"				44000156
				SQYD
SB NORTH APPROACH	289+77.00	290+27.00		177.0
SB SOUTH APPROACH	291+27.00	291+77.00		215.0
NB NORTH APPROACH	289+77.00	290+27.00		214.0
NB SOUTH APPROACH	291+27.00	291+77.00		178
TOTAL				784.0

BARRIER WALL MARKERS, TYPE B					78200520
				25' SPACING	EACH
SOUTHBOUND					
	290+25.00	291+25.00		/25	4
	290+25.00	291+25.00			4
NORTHBOUND					
	290+25.00	291+25.00			4
	290+25.00	291+25.00			4
TOTAL					12

THERMOPLASTIC PAVEMENT MARKING - LINE 4"					78000200
					FOOT
SOUTHBOUND					
YELLOW	287+60.00	293+90.00			630
WHITE	287+60.00	293+90.00			630
NORTHBOUND					
YELLOW	287+60.00	293+90.00			630
WHITE	287+60.00	293+90.00			630
TOTAL					2,520

THERMOPLASTIC PAVEMENT MARKING - LINE 6"					78000400
					FOOT
SOUTHBOUND					
SKIP-DASH	276+50.00	293+40.00			423
NORTHBOUND					
SKIP-DASH	288+10.00	303+30.00			380
SKIP-DASH	304+50.00	316+00.00			288
TOTAL					1091.0

THERMOPLASTIC PAVEMENT MARKING - LINE 8"					78000500
					FOOT
SOUTHBOUND					
WHITE	304+51.00	307+37.00			286
WHITE	304+51.00	307+46.00			295
TOTAL					581

RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)					78100105
					EACH
Stage 1					
SB	290+25.00	291+27.00			1
NB	290+25.00	291+27.00			1
TOTAL					2

PAVEMENT MARKING REMOVAL					78300100
					SQ. FT.
SOUTHBOUND					
SKIP-DASH	276+50.00	293+40.00		423	211.25
YELLOW	287+60.00	293+90.00		630	207.90
WHITE	287+60.00	293+90.00		630	207.90
NORTHBOUND					
SKIP-DASH	288+10.00	303+30.00		380	190.00
SKIP-DASH	304+50.00	316+00.00		288	143.75
YELLOW	287+60.00	293+90.00		630	207.90
WHITE	287+60.00	293+90.00		630	207.90
WHITE	304+51.00	307+37.00		286	191.62
WHITE	304+51.00	307+46.00		295	197.65
TOTAL					1765.9

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL					78300200
SB	290+25.00	291+27.00			1
NB	290+25.00	291+27.00			1
Total on Bridge					2

IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3					Z0030250
					EACH
STAGE 1					
	288+63.00	SB			1
	292+86.00	NB			1
TOTAL					2

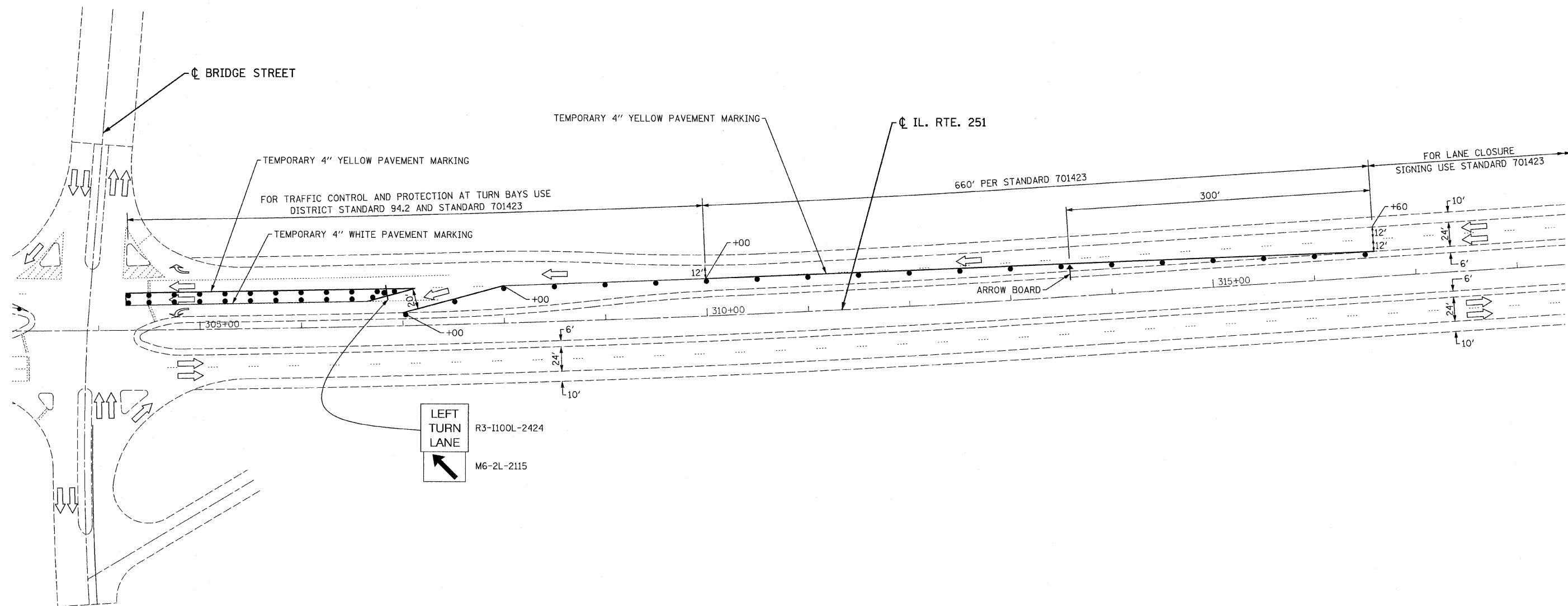
IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3					Z0030350
					EACH
STAGE 1					
	288+89.00	SB			1
	292+61.00	NB			1
TOTAL					2

DATE	BY	DATE	BY
FINAL SURVEY	SURVEYED	PLOTTED	TEMP

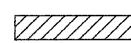


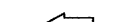
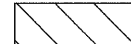


DATE	
BY	
NO.	
AREAS CHECKED	
TEMPLATE	
PLOTTED	
SURVEYED	
NOTE BOOK	
FINAL SURVEY	

DATE	
BY	
NO.	
AREAS CHECKED	
TEMPLATE	
PLOTTED	
SURVEYED	
NOTE BOOK	
ORIGINAL SURVEY	



LEGEND

-  PROPOSED HMA SURFACE REMOVAL, 2" HMA SURFACE COURSE, MIX 'C', N50, 2"
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
-  TRAFFIC FLOW ARROW
-  WORK ZONE

FILE NAME = D264H23-sht-Stage2-02.dgn
 PLOT DATE = 1/24/2012
 PLOT SCALE = 50.000000' / IN.

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - E.M.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - M.P.	REVISED -
DATE - DECEMBER 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION PLAN
IL 251 AT SOUTH KINNICKINICK BRIDGE
STAGE II

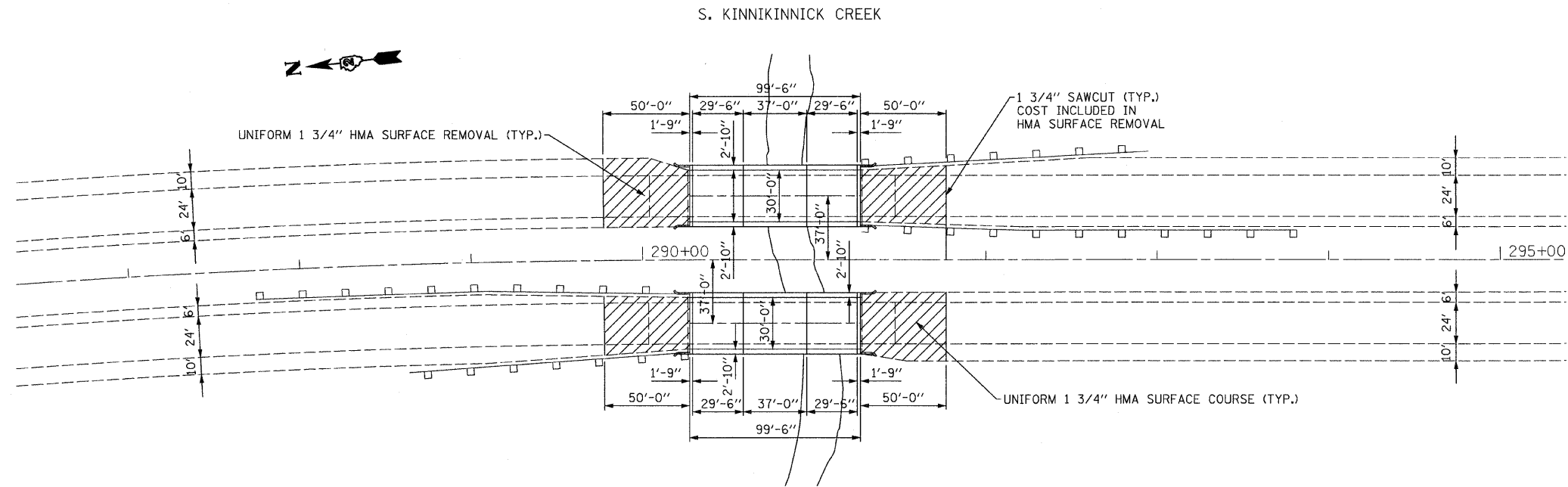
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 738	SECTION (5B-2)M	COUNTY WINNEBAGO	TOTAL SHEETS 22	SHEET NO. 8
				CONTRACT NO. 64H23

MOT 04

DATE	BY	SURVEYED	PLOTTED	DATE
NO.		NOTE BOOK	TEMPLATE	AREAS CHECKED

DATE	BY	SURVEYED	PLOTTED	DATE
NO.		NOTE BOOK	TEMPLATE	AREAS CHECKED



LEGEND

SYMBOL	WORK ITEM
	HMA SURFACE REMOVAL, 1 3/4"
	HMA SURFACE COURSE, MIX "D", N70, 1 3/4"

FILE NAME = D264H23-aht-buttdet.dgn
 PLOT DATE = 1/24/2012
 PLOT SCALE = 40.0002' / 1"

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

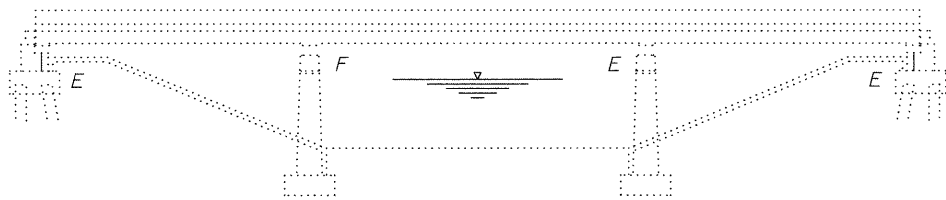
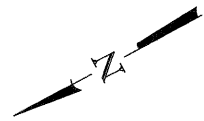
DESIGNED - G.F.L.	REVISED -
DRAWN - B.K.	REVISED -
CHECKED - E.J.M.	REVISED -
DATE - DECEMBER 2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

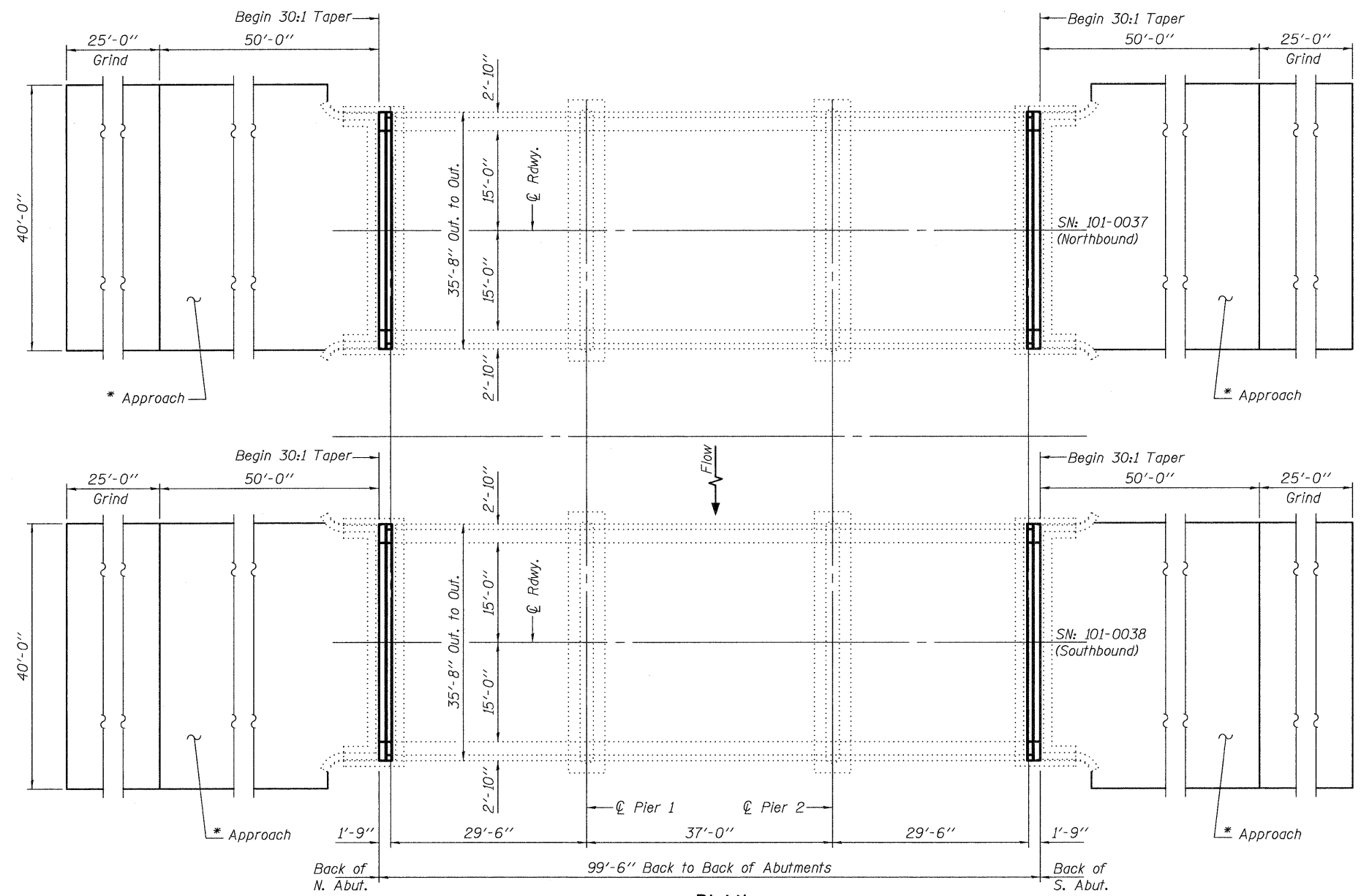
**APPROACH PAVEMENT SURFACE REMOVAL
 AND REPLACEMENT PLAN
 IL 251 AT SOUTH KINNIKINNICK CREEK**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 738	SECTION (5B-2)M	COUNTY WINNEBAGO	TOTAL SHEETS 22	SHEET NO. 9
				CONTRACT NO. 64H23
ILLINOIS				



ELEVATION



PLAN

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 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 splicer or anchorage system. Cost included with Concrete Removal.
 Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.
 The existing WT sections at the abutments shall be removed and reinstalled. Cost included with Concrete Superstructure.
 Extreme care must be exercised when removing concrete from the surface of a reinforced concrete slab bridge. Exposure of the top primary longitudinal rebar over the piers may lead to the collapse of the bridge. If during the scarification process, the top primary longitudinal rebar is exposed, the scarification process must be stopped immediately. The resident Engineer must then contact the Bureau of Bridges & Structures to determine the severity of the structural problem and the method of repair.
 The deck surface shall be textured by saw cut grooving according to Article 503.16 of the Standard Specifications.

* For pay items and quantities on approaches see Roadway Plans.
 ** Quantities are estimates. Actual quantity, location and size to be determined by the Engineer in the field.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	12.4
Concrete Superstructure	Cu. Yd.	12.2
Preformed Joint Strip Seal	Foot	146
Reinforcement Bars, Epoxy Coated	Pound	880
Bar Splacers	Each	24
Bridge Deck Scarification, 2 1/2"	Sq. Yd.	637
Bridge Deck Latex Concrete Overlay, 2 1/2"	Sq. Yd.	637
Bridge Deck Grooving	Sq. Yd.	592
** Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	10
** Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	10



Expires: November 30, 2012

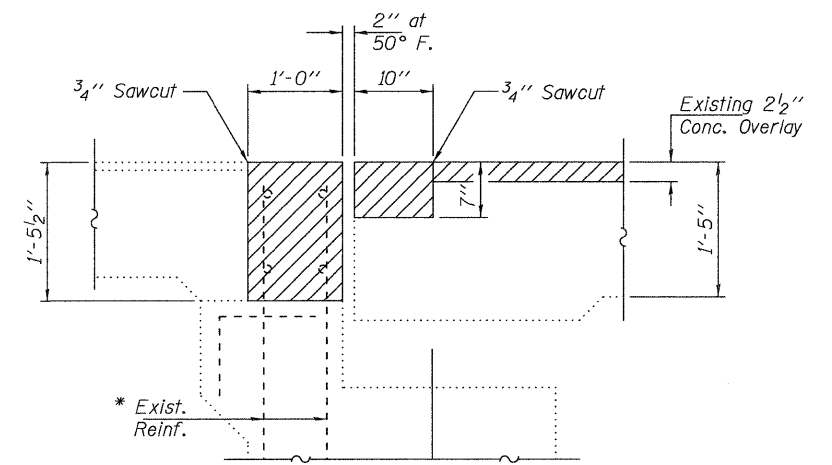
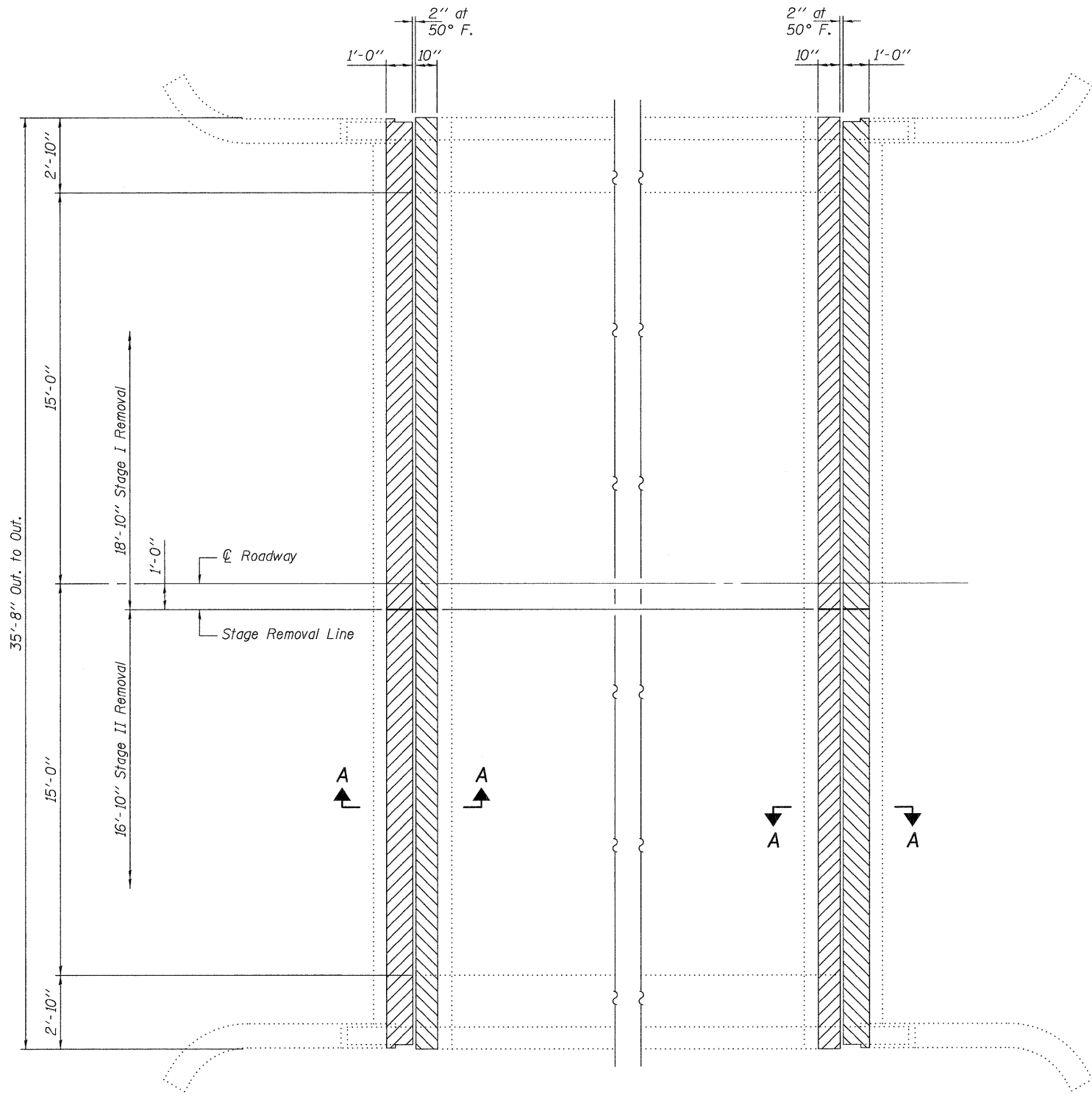
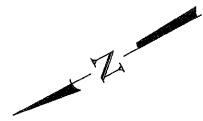
DESIGNED - <i>Ally Younce</i>	EXAMINED - <i>Jim F. [Signature]</i>	DATE - MARCH 8, 2012
CHECKED - <i>[Signature]</i>	ACTING ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Kyle M. Steffen	PASSED - <i>[Signature]</i>	
CHECKED - <i>ADJ MKC</i>	ACTING ENGINEER OF BRIDGES AND STRUCTURES	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION
 ILLINOIS ROUTE 251 OVER SOUTH KINNIKINICK CREEK
 SN 101-0037 (NB) & 0038 (SB)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(58-2)M	WINNEBAGO	22	11
CONTRACT NO. 64H23			ILLINOIS FED. AID PROJECT	

SHEET NO. 1 OF 6 SHEETS

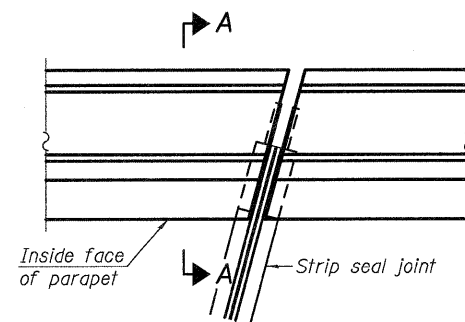


SECTION A-A
Dimensions at Rt. L's

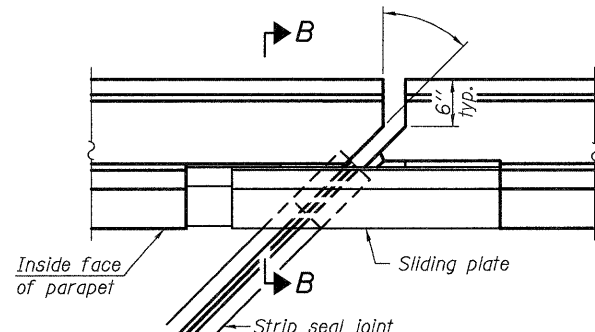
* Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.

CONCRETE REMOVAL PLAN
SN: 101-0037 (NB) shown,
SN: 101-0038 (SB) similar by 180° rotation

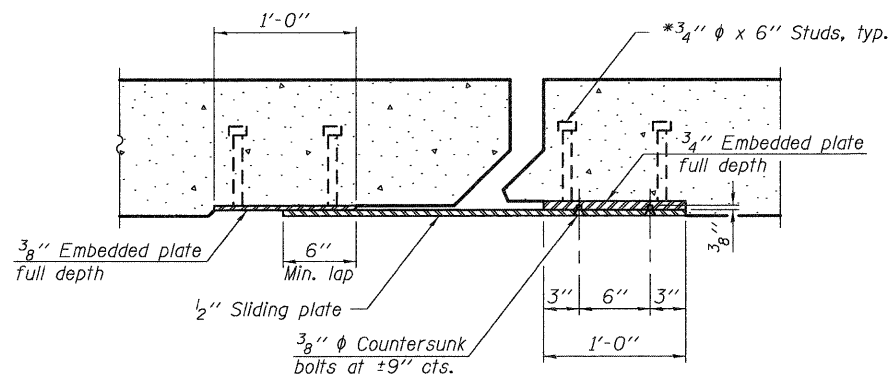
DESIGNED - ADY	EXAMINED - <i>Joanne F. J...</i> ACTING ENGINEER OF STRUCTURAL SERVICES	DATE - MARCH 8, 2012	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		CONCRETE REMOVAL DETAILS SN 101-0037 (NB) & 0038 (SB)		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - MKC	PASSED - <i>J. Carl...</i> ACTING ENGINEER OF BRIDGES AND STRUCTURES						738	(58-2)M	WINNEBAGO	22	12
DRAWN - Kyle M. Steffen							CONTRACT NO. 64H23				
CHECKED - ADY MKC							SHEET NO. 2 OF 6 SHEETS		ILLINOIS FED. AID PROJECT		



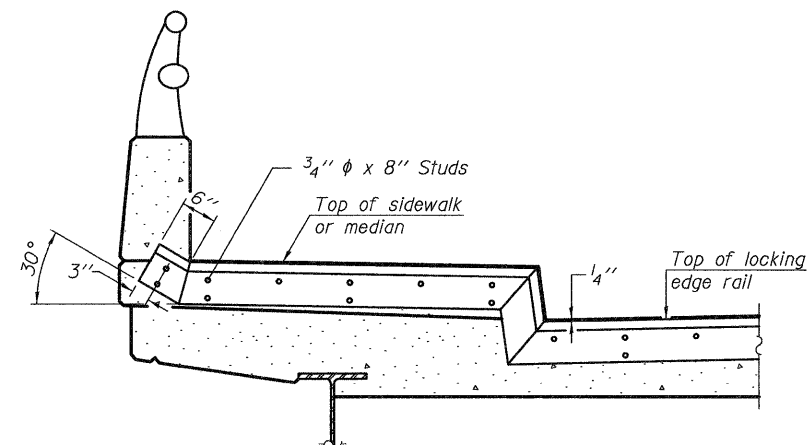
PLAN
(For skew $\leq 30^\circ$)



PLAN
(For skew $> 30^\circ$)
Showing point block

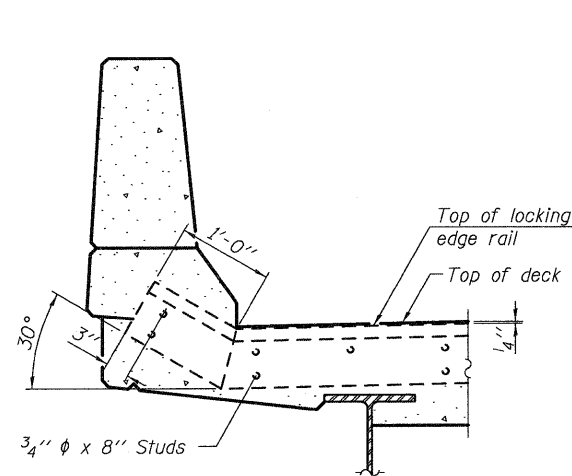


SECTION C-C

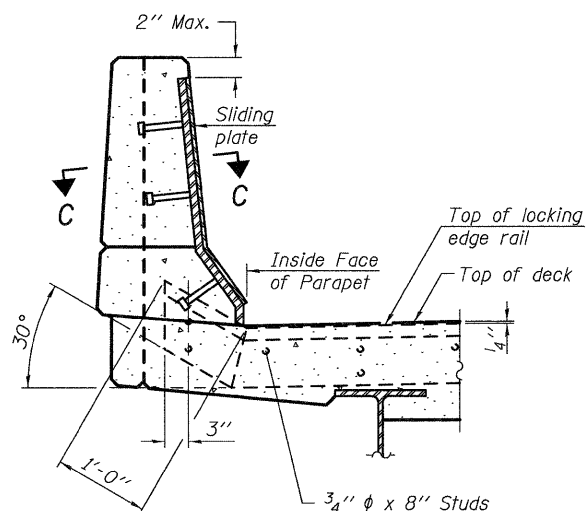


TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN

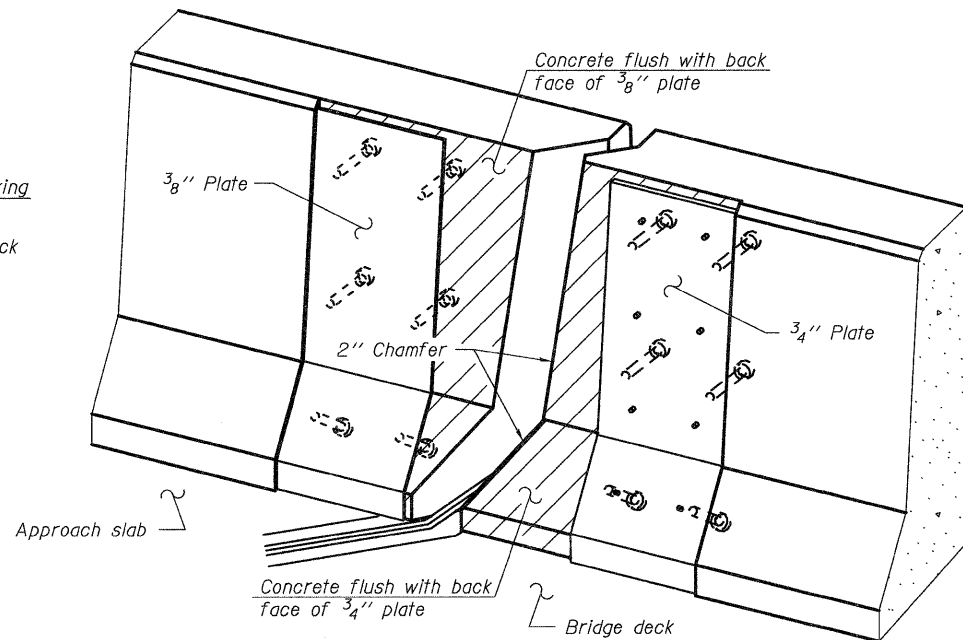
Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



SECTION A-A



SECTION B-B



TRIMETRIC VIEW
(Showing back plates only)

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

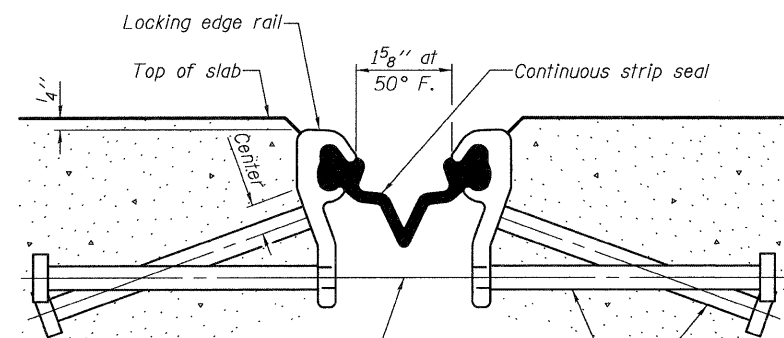
The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant.

Parapet plates and anchorage studs for skew $> 30^\circ$ included in the cost of Preformed Joint Strip Seal.

The inside of the Locking Edge Rail groove shall be free of weld residue.

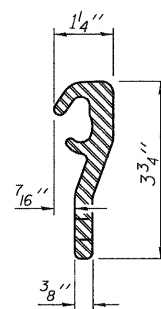


SECTION THRU STRIP SEAL JOINT FOR OVERLAY OVER DECK BEAMS

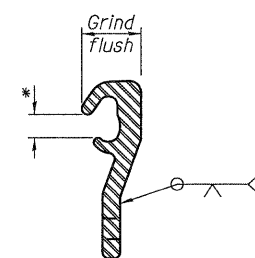
7/16" ϕ holes at 4'-0" cts. for 3/8" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

Place 1/2" ϕ x 6" granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded at 1'-0" alt. cts.

* Omit weld at seal opening.



LOCKING EDGE RAIL



LOCKING EDGE RAIL SPLICE

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	146

DESIGNED - ADY
CHECKED - MKC
DRAWN - Kyle M. Steffen
CHECKED - ADY MKC

EXAMINED
PASSED
ACTING ENGINEER OF STRUCTURAL SERVICES
ACTING ENGINEER OF BRIDGES AND STRUCTURES

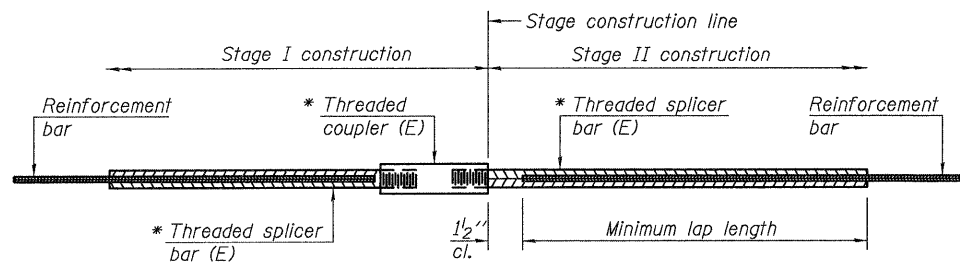
DATE - MARCH 8, 2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL DETAILS
SN 101-0037 (NB) & 0038 (SB)

SHEET NO. 4 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-2)M	WINNEBAGO	22	14
CONTRACT NO. 64H23				
ILLINOIS FED. AID PROJECT				



STANDARD BAR SPLICER ASSEMBLY

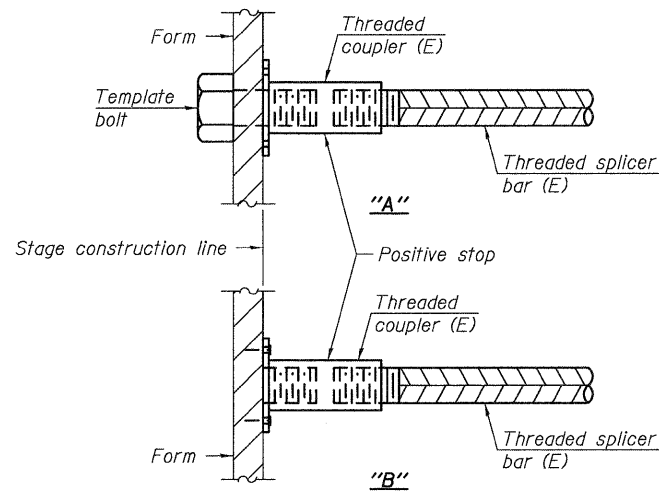
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

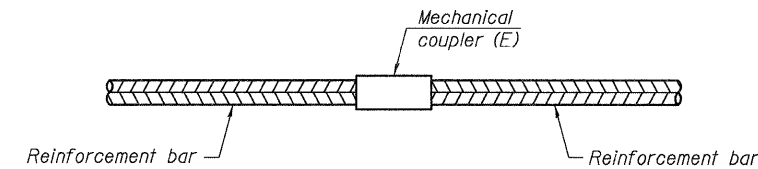
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Hatchblock	#5	16	3
Deck	#5	8	3



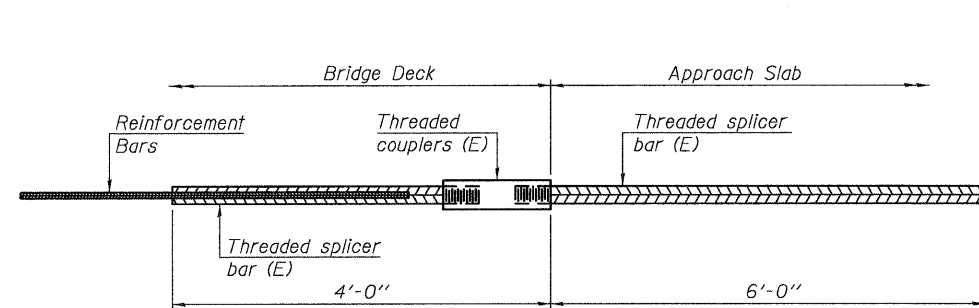
INSTALLATION AND SETTING METHODS

- "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.



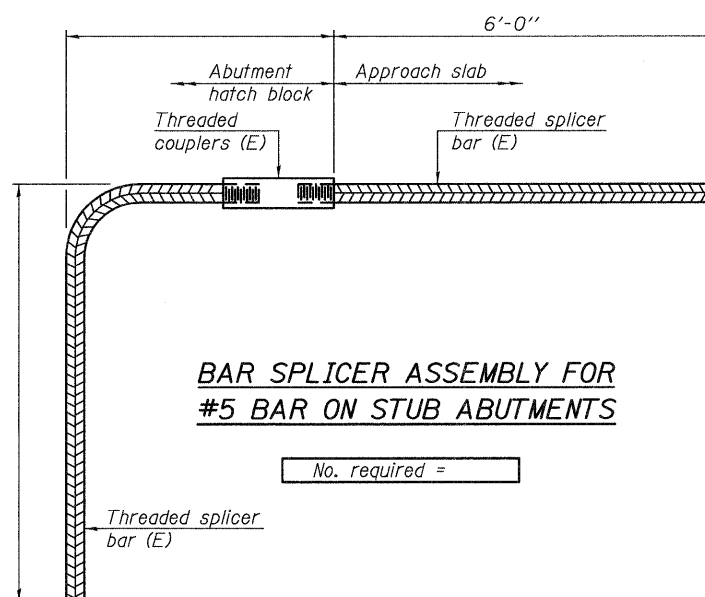
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



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 special provision for Mechanical Splicers.
- See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

7-1-10

DESIGNED - ADY
 CHECKED - MKC
 DRAWN - Kyle M. Steffen
 CHECKED - ADY MKC

EXAMINED
 PASSED
 ACTING ENGINEER OF STRUCTURAL SERVICES
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - MARCH 8, 2012

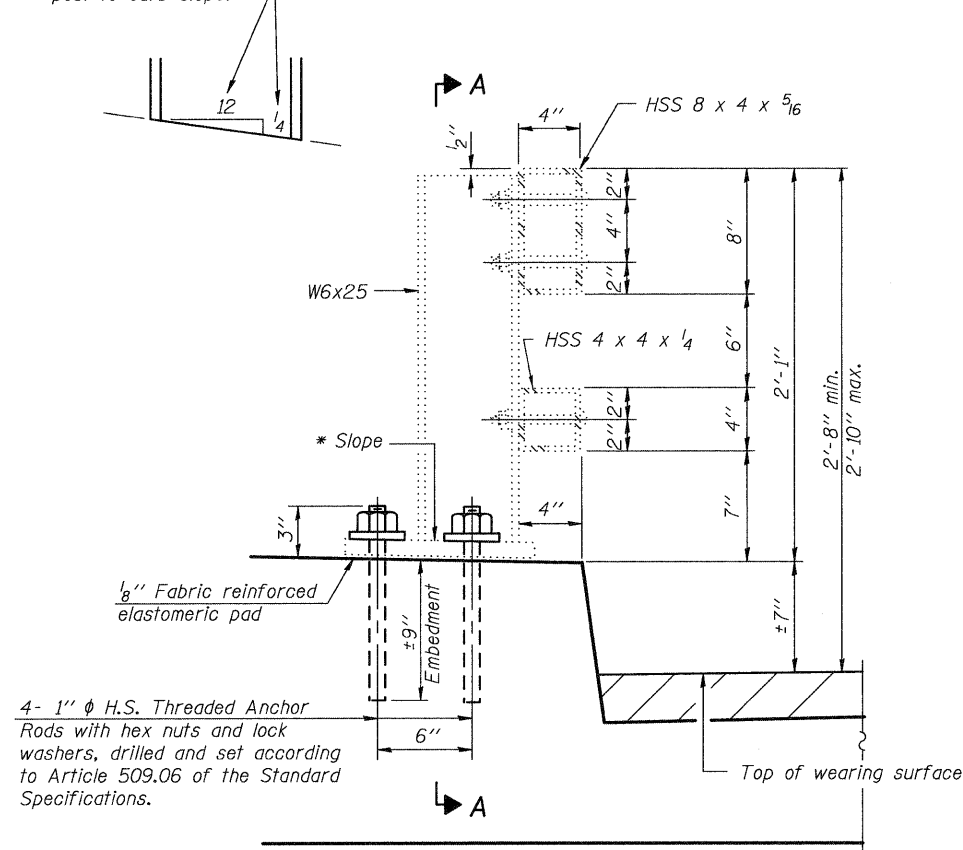
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 SN 101-0037 (NB) & 0038 (SB)

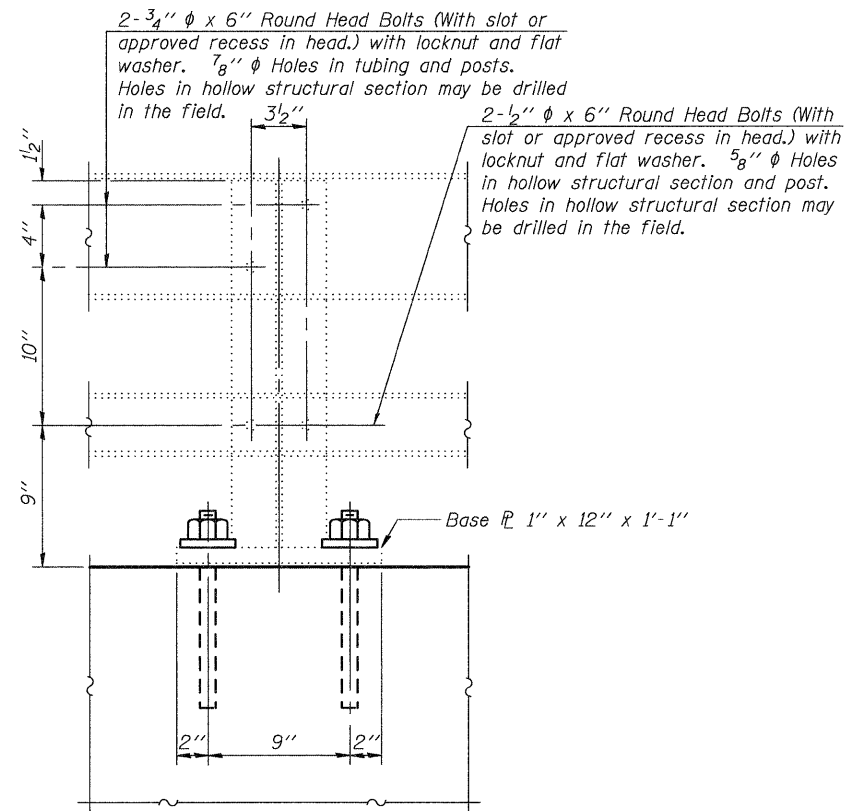
SHEET NO. 5 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-2)M	WINNEBAGO	22	15
CONTRACT NO. 64H23				
ILLINOIS FED. AID PROJECT				

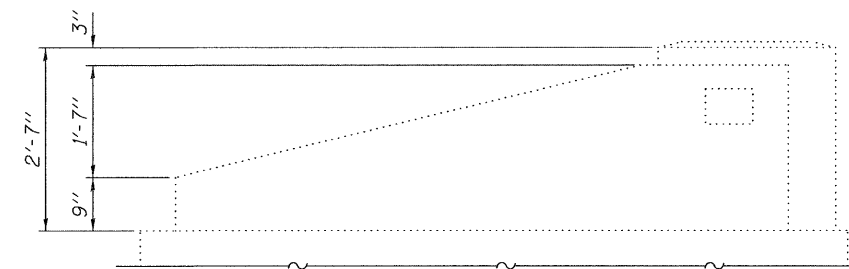
* Cut bottom end of post to curb slope.



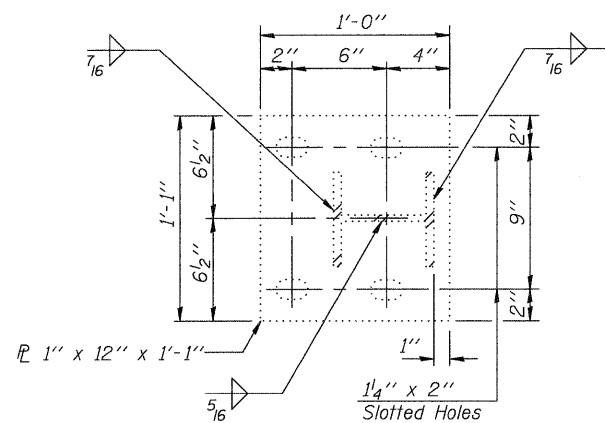
SECTION AT RAIL POST



SECTION A-A

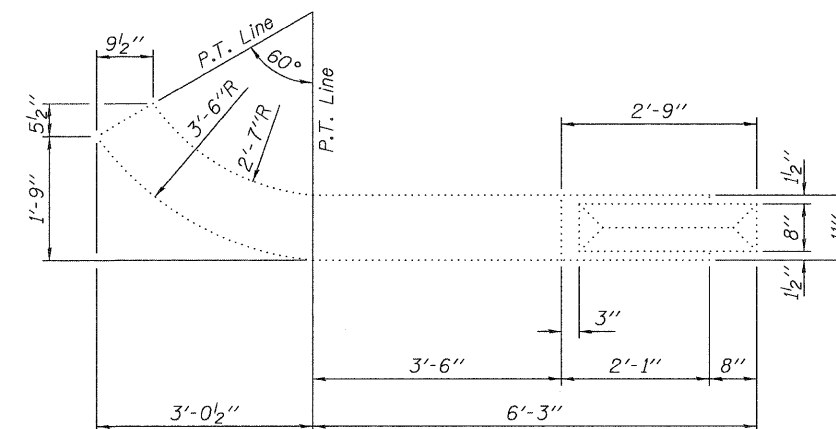


ELEVATION - END POST



BASE PLATE DETAIL

Note:
Rail Posts to be removed as needed at joint repair locations.
Use new H.S. Threaded Anchor Rods to reinstall, as specified.
Cost included with Concrete Superstructure.



PLAN - END POST

DESIGNED - ADY
CHECKED - MKC
DRAWN - Kyle M. Steffen
CHECKED - ADY MKC

EXAMINED
PASSED
ACTING ENGINEER OF STRUCTURAL SERVICES
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - MARCH 8, 2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR DETAILS
SN 101-0037 (NB) & 0038 (SB)

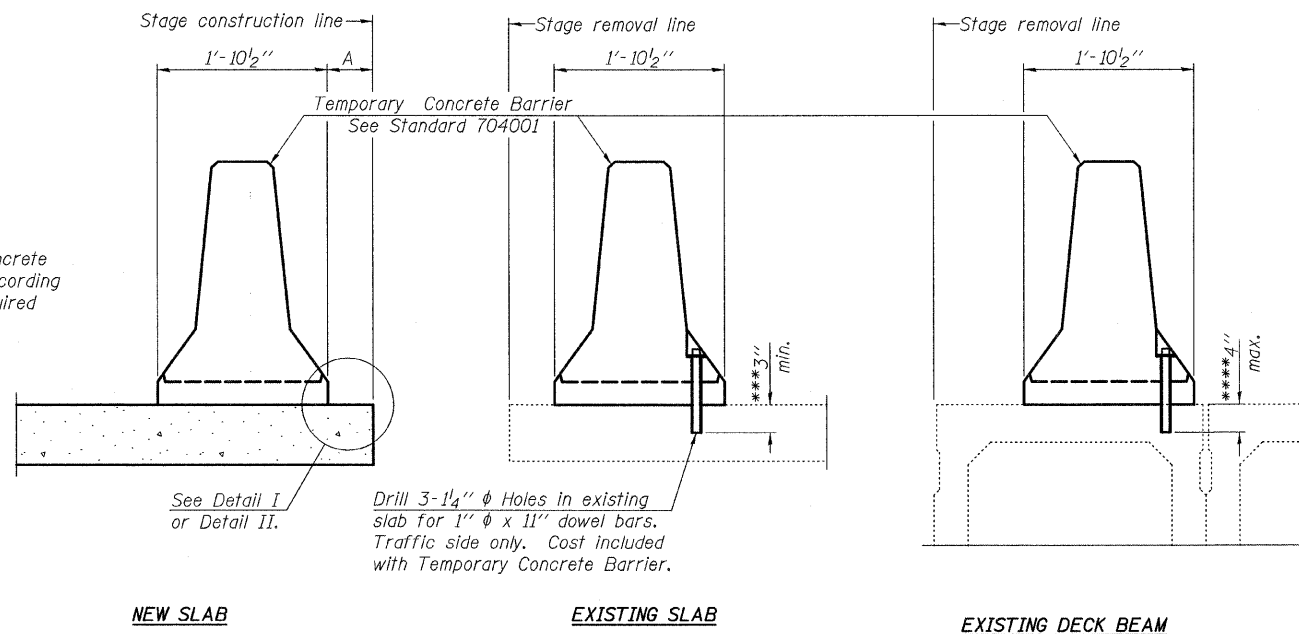
SHEET NO. 6 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-2)M	WINNEBAGO	22	16
CONTRACT NO. 64H23			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



SECTIONS THRU SLAB OR DECK BEAM

NOTES

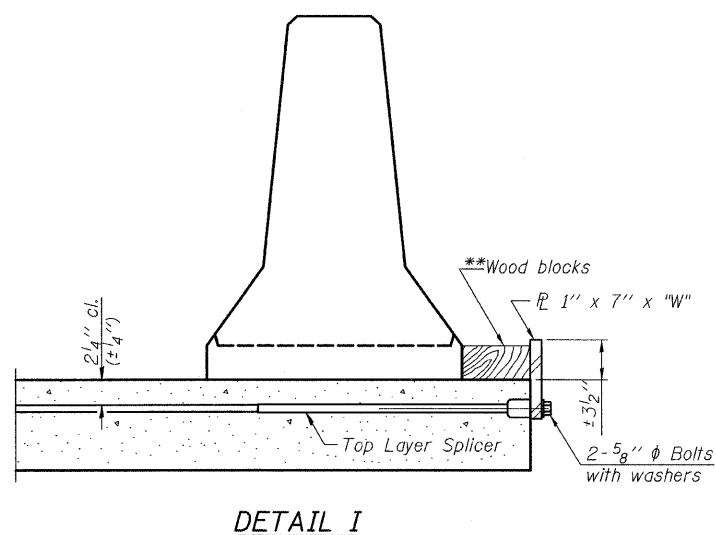
Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate C of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel PL to the concrete slab or concrete wearing surface with 2-5/8" φ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate C of each barrier panel.

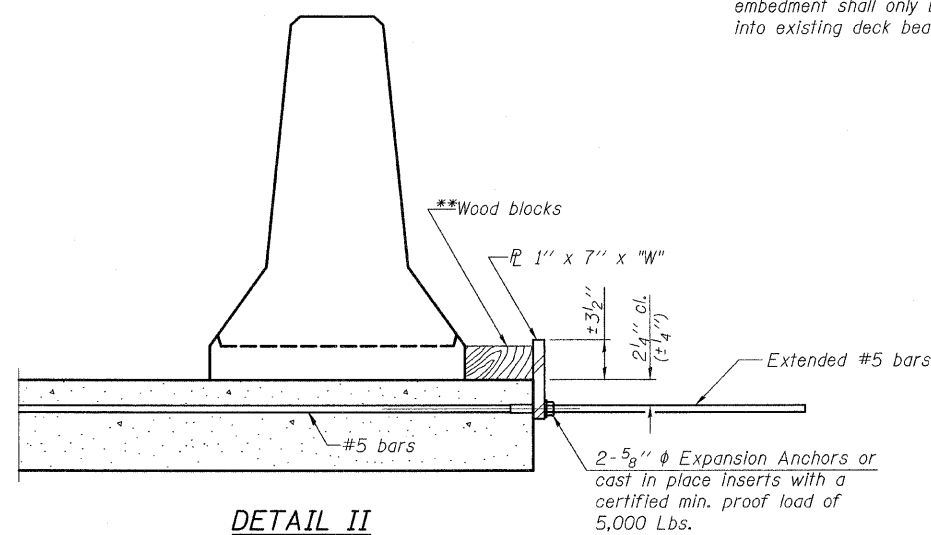
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

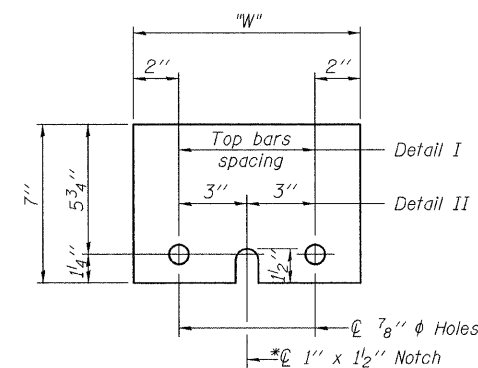
**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



DETAIL I



DETAIL II



STEEL RETAINER PL 1" x 7" x "W"

* Required only with Detail II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

R-27

7-1-10

FILE NAME = D264H23-sht-pinningdetail.dgn
PLOT DATE = 1/24/2012
PLOT SCALE = 50.0000' / IN.

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED -	REVISION -
DRAWN -	REVISION -
CHECKED -	REVISION -
DATE - DECEMBER 2011	REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

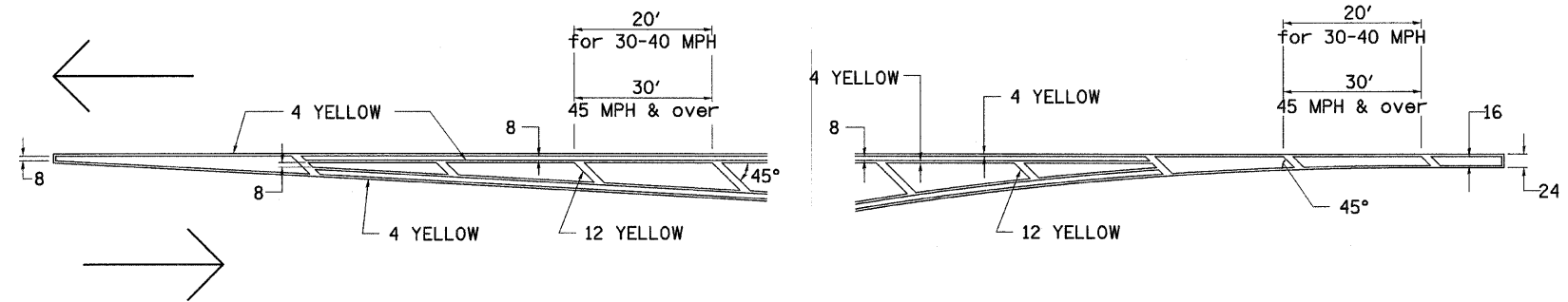
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
S.N. 101-0037 (NB) & S.N. 101-0038 (SB)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

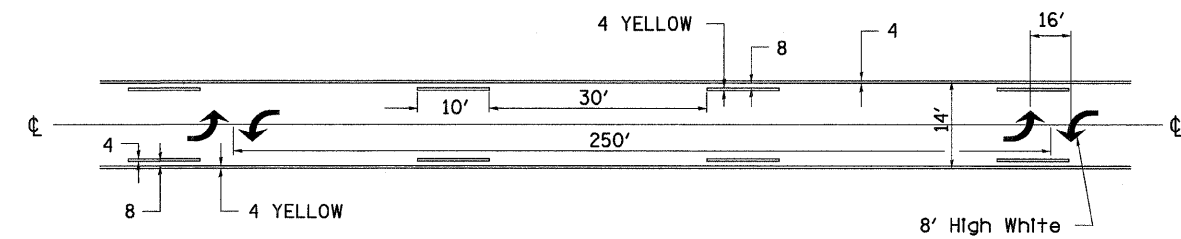
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-2)M	WINNEBAGO	22	17
			CONTRACT NO. 64H23	
ILLINOIS				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

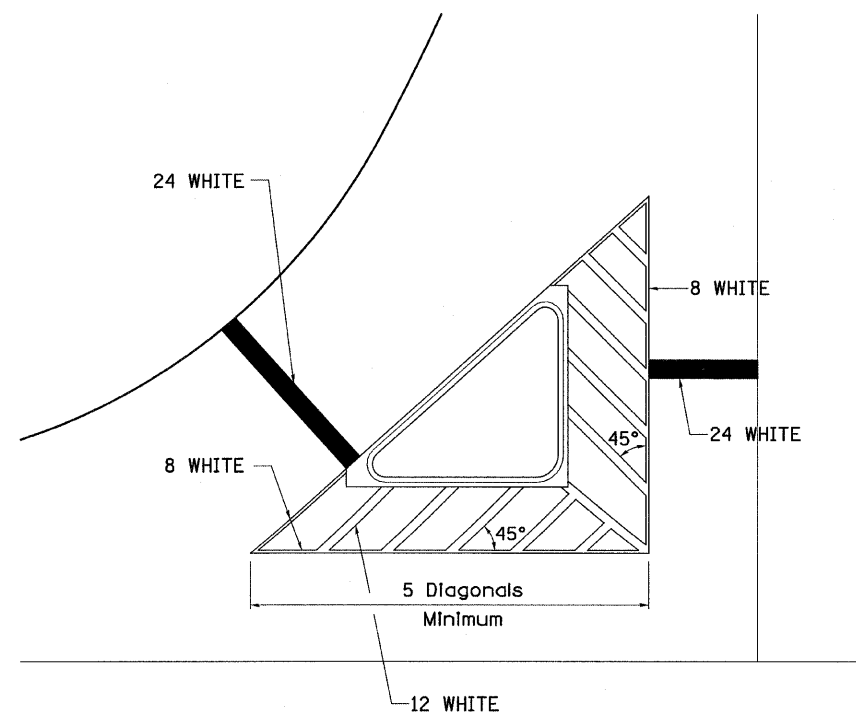


MEDIAN PAVEMENT MARKING

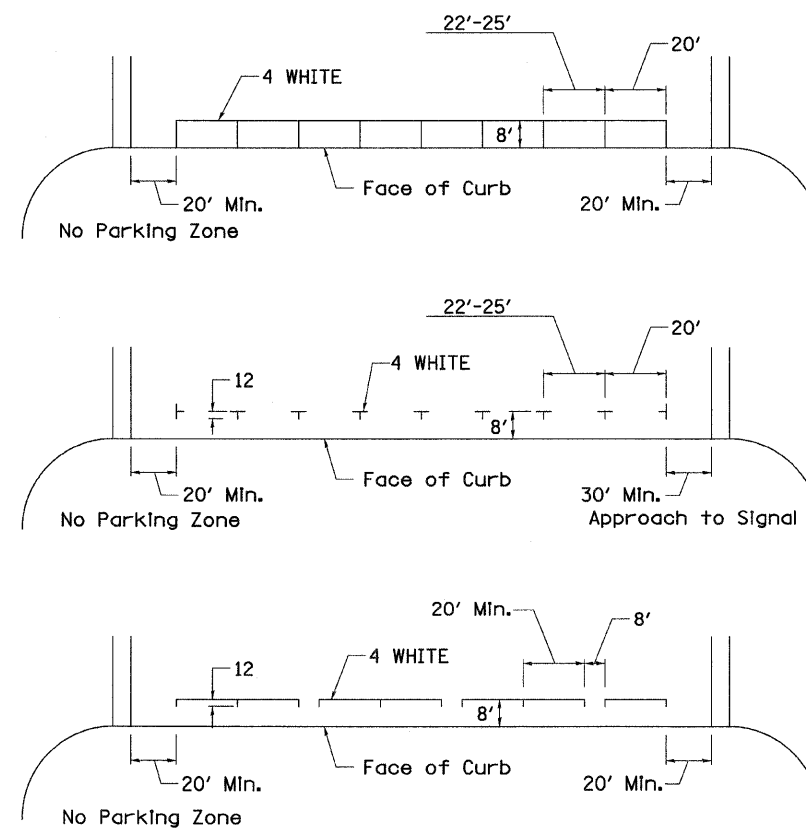


** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

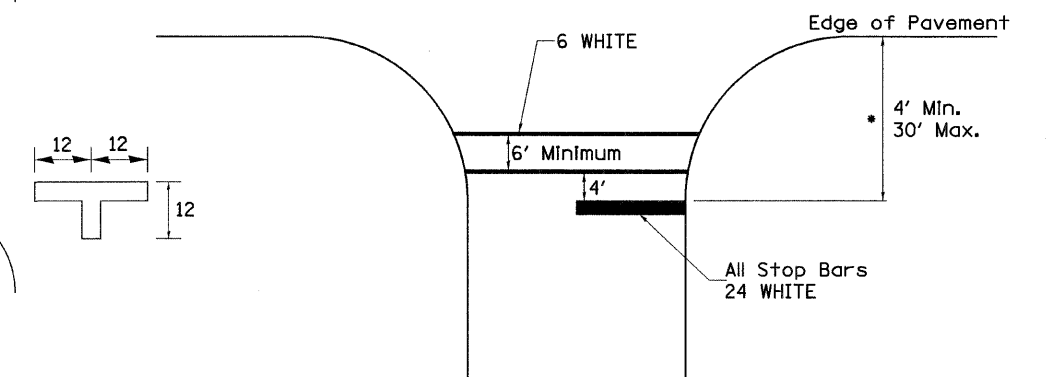


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations

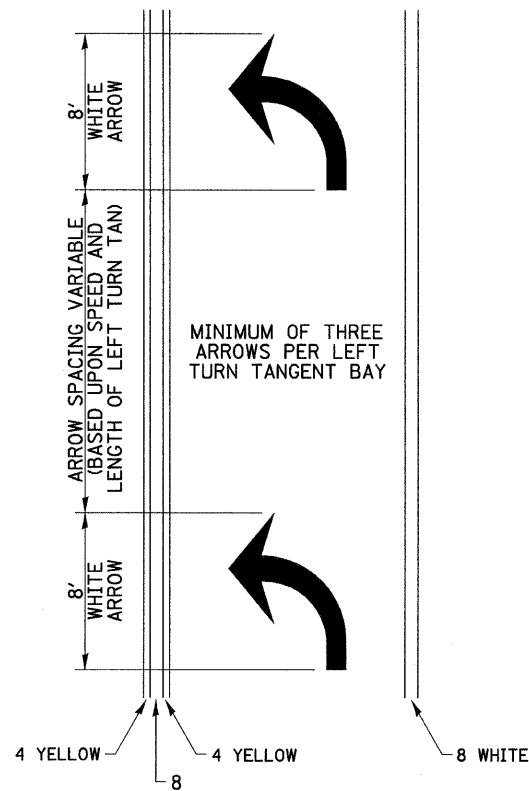


* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = IDOT	DESIGNED -	REVISED - 10-18-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE. 738	SECTION (5B-2)M	COUNTY WINNEBAGO	TOTAL SHEETS 22	SHEET NO. 19		
\\102707.s.kinnickinnick.creek\cadd\shoos\VD264H23-sht-STD41.Ldgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				
	PLOT DATE = 1/24/2012	CHECKED -	REVISED -									
		DATE -	REVISED -									

TYPICAL PAVEMENT MARKINGS

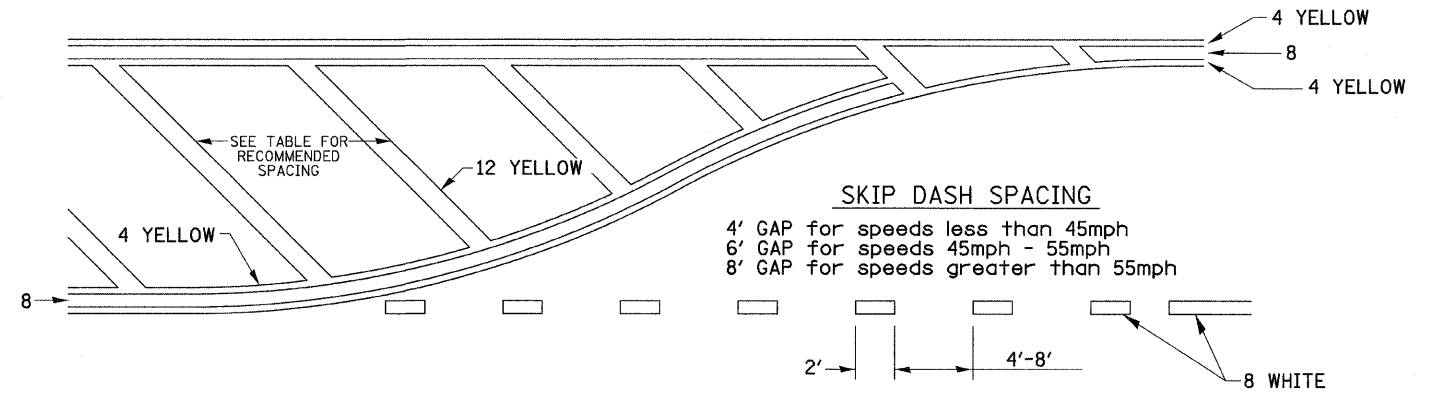
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

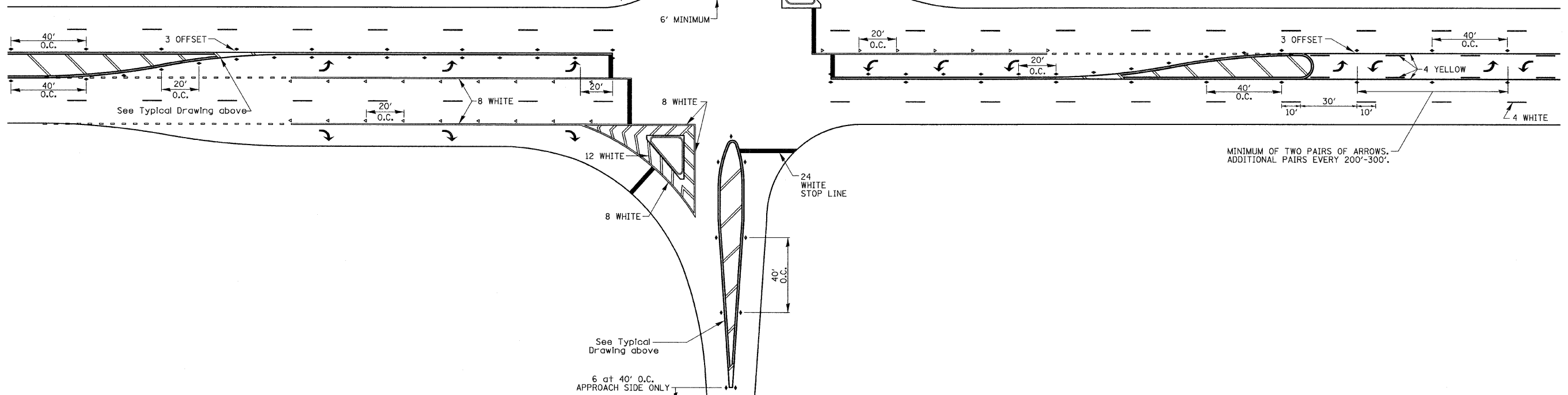
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME =	USER NAME = IDOT	DESIGNED -	REVISED - 10-18-11
11\182707.s kunnikinnick creak\cadd sheet	s\0264H23-sh-t-ST041.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/24/2012	DATE -	REVISED -

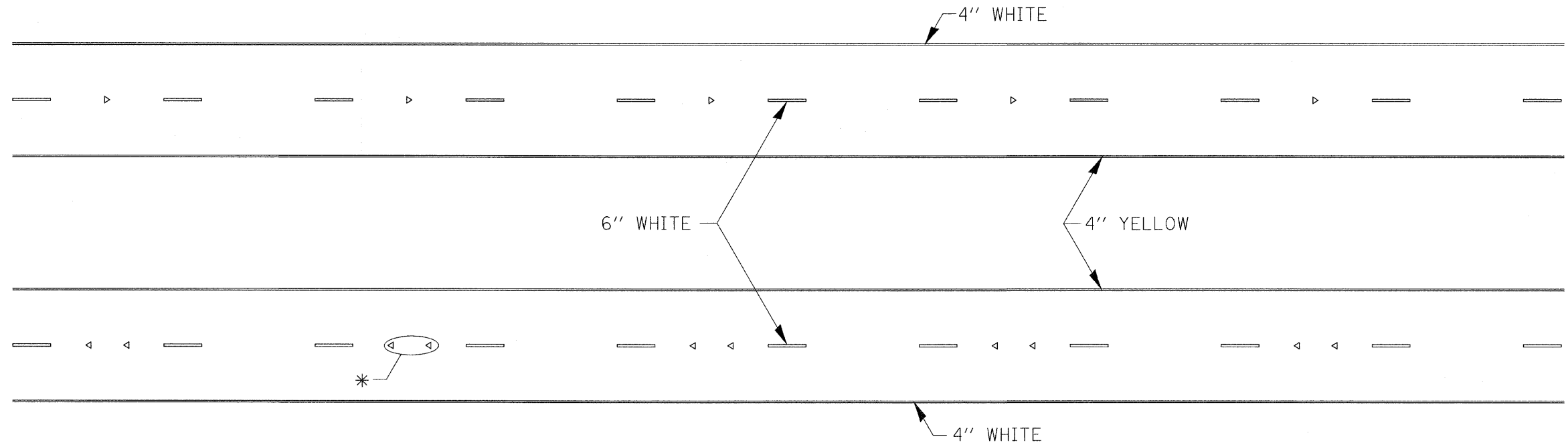
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

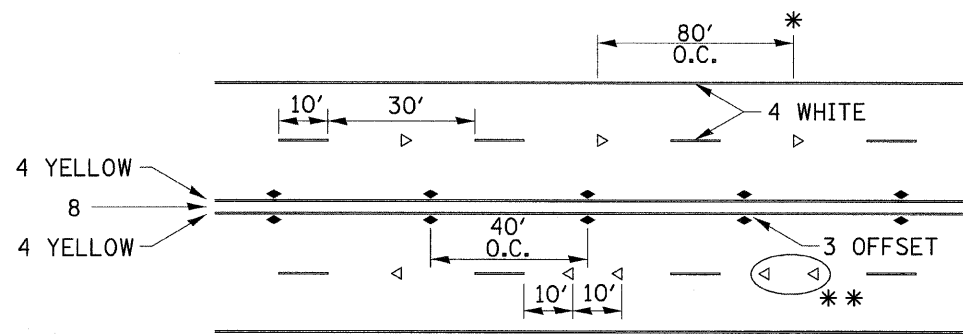
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-2)M	WINNEBAGO	22	20
CONTRACT NO. 64H23				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT \geq 25,000.

MULTI-LANE / DIVIDED



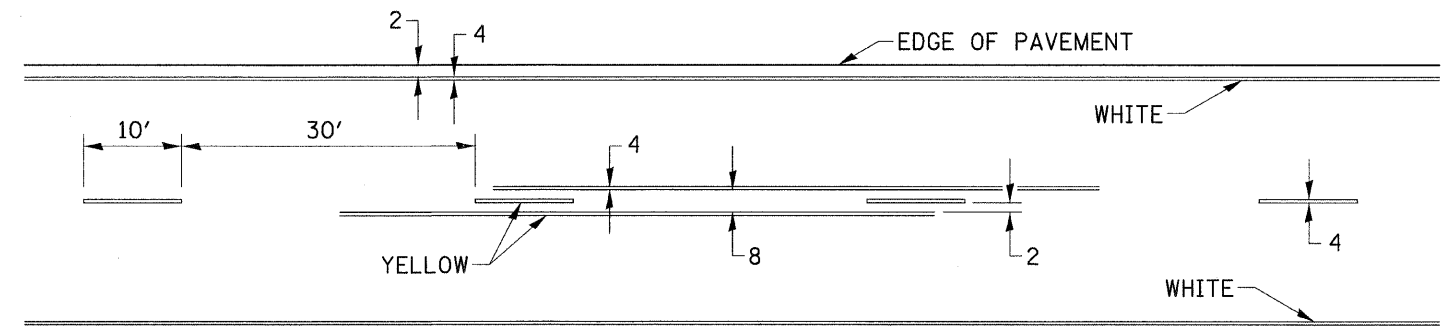
* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT \geq 25,000

MULTI-LANE / UNDIVIDED

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

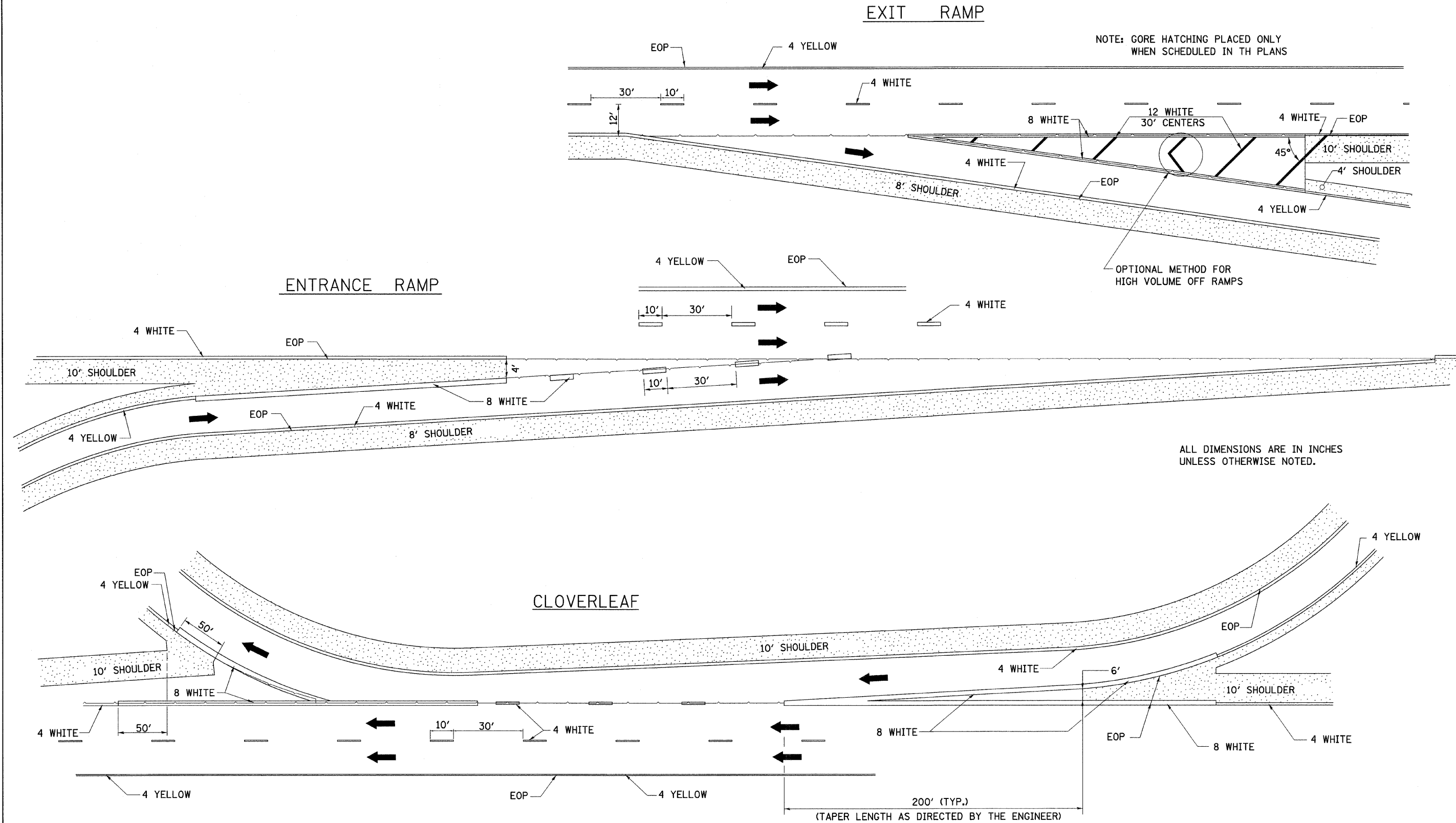
TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



SYMBOLS

FILE NAME =	USER NAME = IDOT	DESIGNED -	REVISED - 10-18-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE. 738	SECTION (5B-2)M	COUNTY WINNEBAGO	TOTAL SHEETS 22	SHEET NO. 21
\\102707.s.kinnickinnick.creek\cadd\sheet\0264H23-sht-STD41.dgn	DRAWN -	REVISIONS -	SCALE: SHEET NO. OF SHEETS STA. TO STA.					CONTRACT NO. 64H23				
PLOT SCALE = 50,000' / IN.	CHECKED -	REVISIONS -	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT									
PLOT DATE = 1/24/2012	DATE -	REVISIONS -										

PAINTING DETAILS



FILE NAME =	USER NAME = IDOT	DESIGNED -	REVISED - 10-18-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
11\102707.s kinnukinnok creek\cadd sheet	264H23-sht-ST044.Ldgn	DRAWN -	REVISED -			738	(5B-2M)	WINNEBAGO	22	22	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 64H23					
	PLOT DATE = 1/24/2012	DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.			