

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

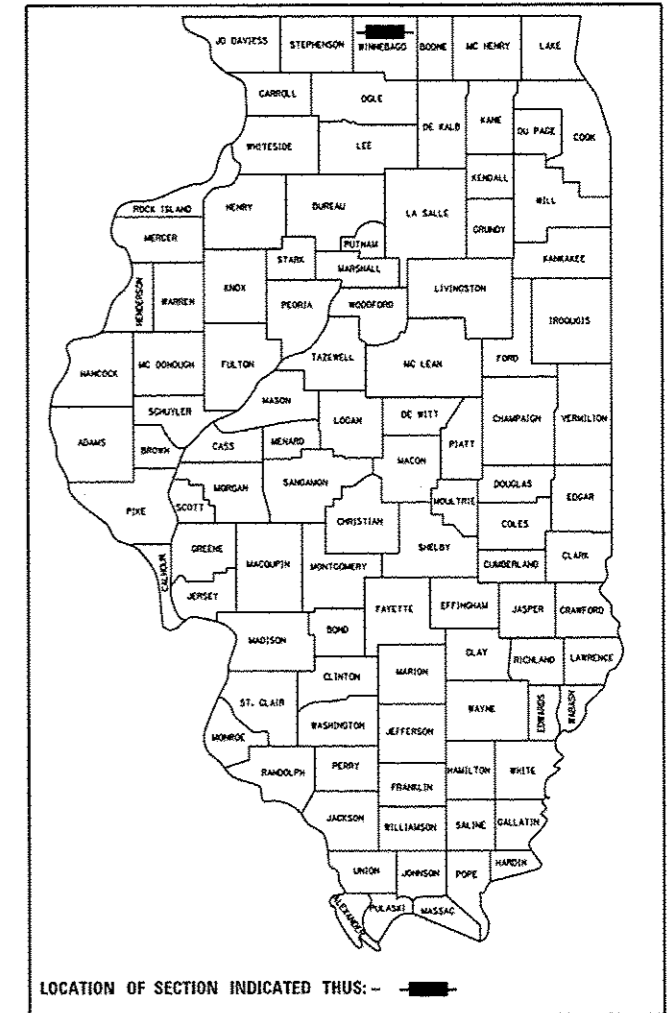
F.A.P. ROUTE 525 (US 20)
SECTION: (6B)P
TYPE of IMPROVEMENT: BRIDGE PAINTING
WINNEBAGO COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)P	WINNEBAGO	16	1
		ILLINOIS	CONTRACT NO. 64K49	

* 16 + 1 = 17

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO. 2

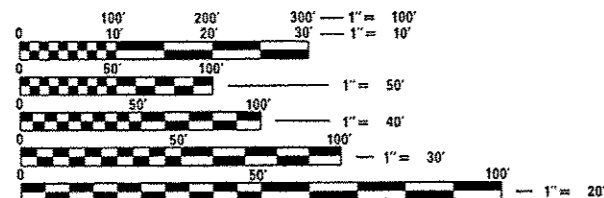
D-92-069-14



CHERRY VALLEY TOWNSHIP - SECTION 1

C-92-091-14
R.2E

SN 101-0073
SN 101-0074

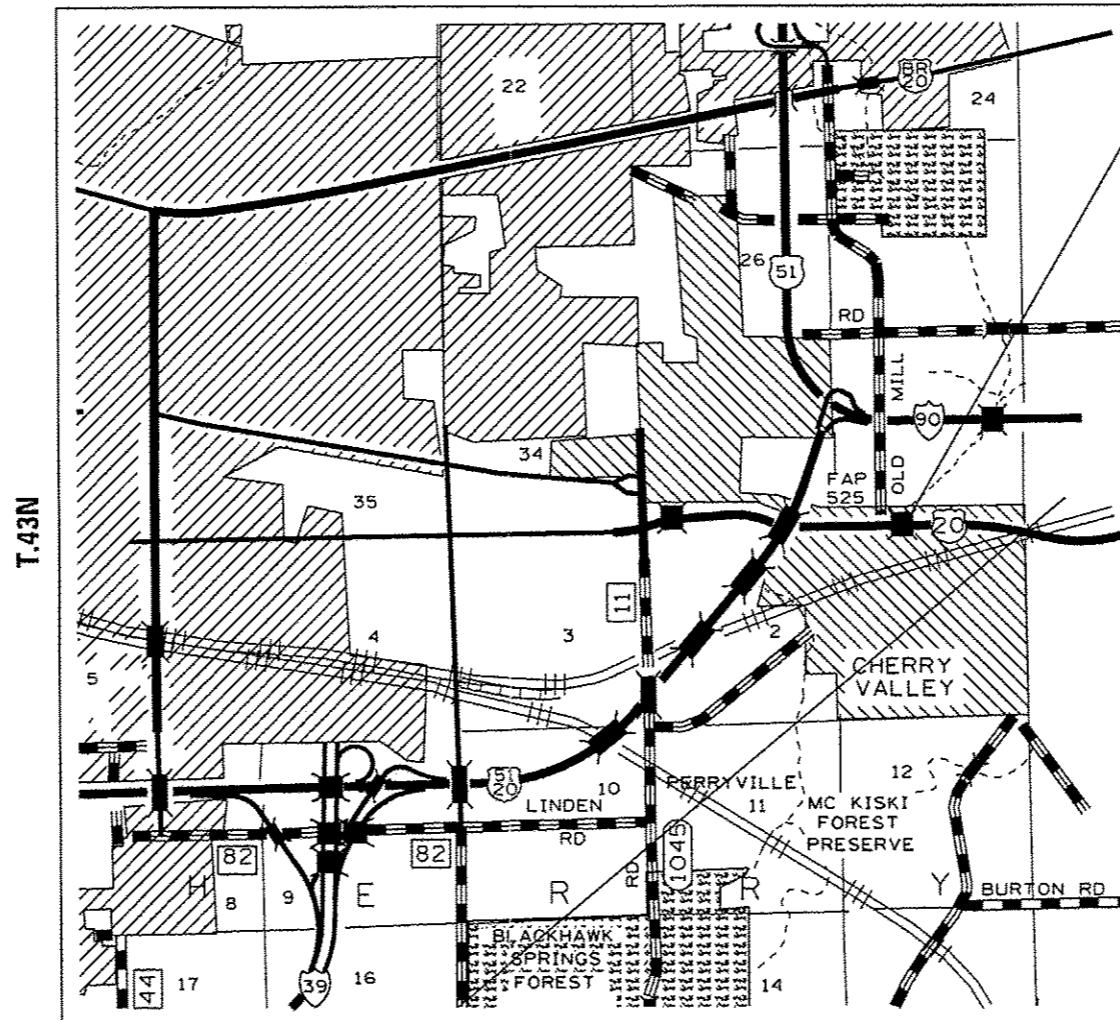


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: DAVID DOSS (815) 284-5416
PROJECT MANAGER: MAHMOUD ETEMADI (815) 284-5393

CONTRACT NO. 64K49



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 11 2015
Paul C. [Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 8 2015
John D. Baranzelli, PE
ENGINEER OF DESIGN AND ENVIRONMENT

May 8 2015
Omer Estrom, PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
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- 10- 12 TYPICAL PAVEMENT MARKINGS (DIST STD 41.1)
- 13 PAINTING DETAILS (DIST STD 44.1)
- 14- 16A. EXISTING PLAN SHEETS (FOR INFORMATION ONLY)

STATE STANDARDS

- 000001 - 06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001006 DECIMAL EQUIVALENTS OF AN INCH AND FOOT
- 701006 - 05 OFF ROAD OPERATIONS, 2L, 2W, 15'(4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101 - 04 OFF ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701106 - 02 OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
- 701400 - 07 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401 - 08 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701402 - 09 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
- 701422 - 07 LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
- 701426 - 06 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH
- 701901 - 03 TRAFFIC CONTROL DEVICES
- 704001 - 07 TEMPORARY CONCRETE BARRIER
- 720011 - 01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 728001 - 01 TELESCOPING STEEL SIGN SUPPORT
- 729001 - 01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

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 Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

ELECTRIC:

COMMONWEALTH EDISON COMPANY
ATTN: NORA FERNANDEZ (815) 490-2869
123 ENERGY AVENUE
ROCKFORD, IL 61109

GAS:

NICOR GAS CO.
ATTN: BRUCE KOPPANG (630) 388-3046
1844 FERRY ROAD
NAPERVILLE, IL 60563

SEWER:

ROCK RIVER WATER RECLAMATION DISTRICT
ATTN: DANA CARROLL (815) 387-7400
3501 KISHWAUKEE STREET
ROCKFORD, IL 61126

WATER AND SEWER:

VILLAGE OF CHERRY VALLEY
ATTN: JOE CAVENY (815) 332-3441
806 EAST STATE STREET
CHERRY VALLEY, IL 61016

CATV:

COMCAST CABLE
ATTN: MICHAEL OWENS (815) 395-8977
4450 KISHWAUKEE STREET
ROCKFORD, IL 61109

COMMUNICATIONS:

IFIBER
ATTN: LANCE SANDY (815) 753-6075
3100 SYCAMORE ROAD
DEKALB, IL 60115

TELEPHONE:

AT&T COMMUNICATIONS INC.
ATTN: CARL DONAHUE (630) 552-4677
866 ROCK CREEK ROAD
PLANO, IL 60545

FRONTIER
ATTN: DONALD BELMORE (815) 544-6171
2239 NEWBURG ROAD
BELVIDERE, IL 61008

AT&T
ATTN: HECTOR GARCIA (630) 573-5465
1000 COMMERCE DRIVE
OAK BROOK, IL 60523

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

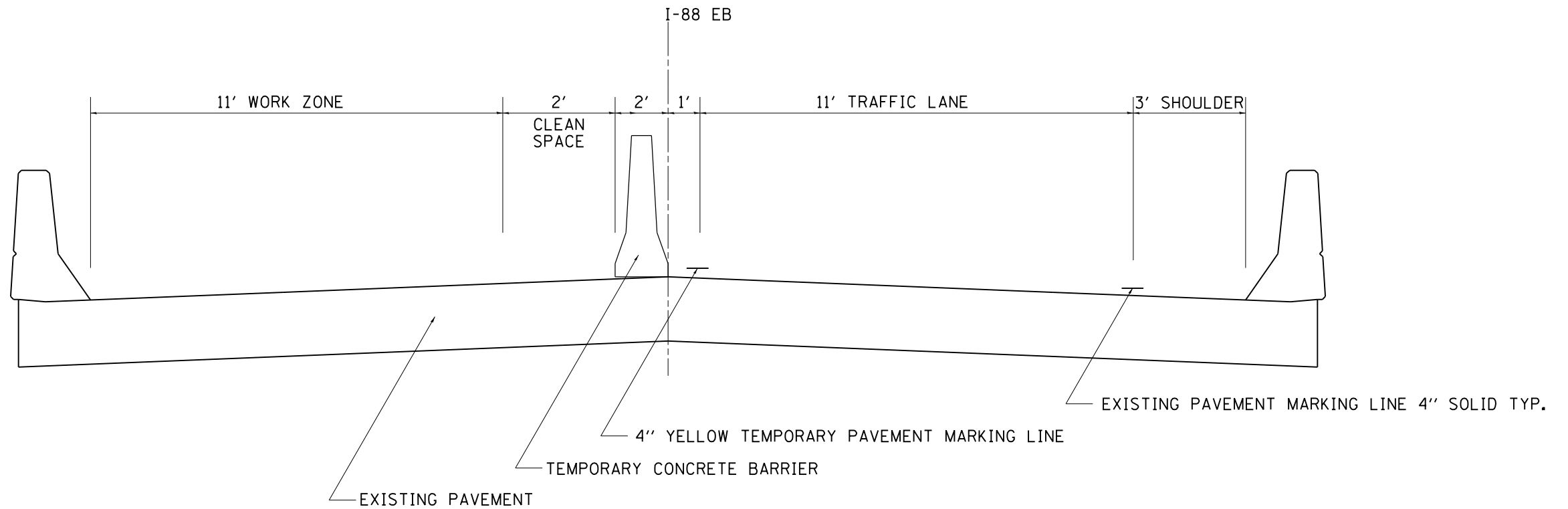
Hazards behind Temporary Concrete Barrier Wall
No materials, equipment, vehicles or other hazards shall be within 2'-0" of the temporary concrete barrier wall, measured from the closest point of the barrier wall perpendicular to the hazard. Equipment that is actively working with 2'-0" of the barrier wall may be allowed for a short duration, if approved by the engineer, required for the work activity, and there is not another method to complete the work. No materials equipment, vehicles or other hazards shall be stored within 25' of the impact attenuators.

No Stream Permits have been procured for this project. None are required from the Regulatory Agencies as long as there is no debris falling or being placed into the stream. Any temporary fill in the stream or the compromising of the dike (if applicable) will not be allowed. If the contractor chooses to use alternate/modified construction method(s) from the aforementioned, they will be responsible for obtaining the proper permits. No relief or compensation will be given for any delays, working days charged, or calendar days expired as a result of the loss of time or delay during the re-submittal process to procure the necessary permit(s) due to the contractor choosing alternate/modified construction method(s). Absolutely no construction activities will take place without the proper permits being secured.

FILE NAME :	USER NAME : dssdd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\BR\Docs\Minnabago\64K49 Cleaning & Painting SN 101-0073 & 0074 over Kish\CA0002\DRAWING\var.dgn	CHECKED -	REVISED -	525			IGBP	WINNEBAGO	16	2	
PLOT SCALE : 100.0000 / in	CHECKED -	REVISED -	CONTRACT NO. 64K49							
PLOT DATE : Mar-05-2015 02:20:20 PM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
Default				SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____				

STAGING TYPICAL

STAGING US 20 WESTBOUND (SN 101-0074 OVER KISHWAUKEE RIVER)



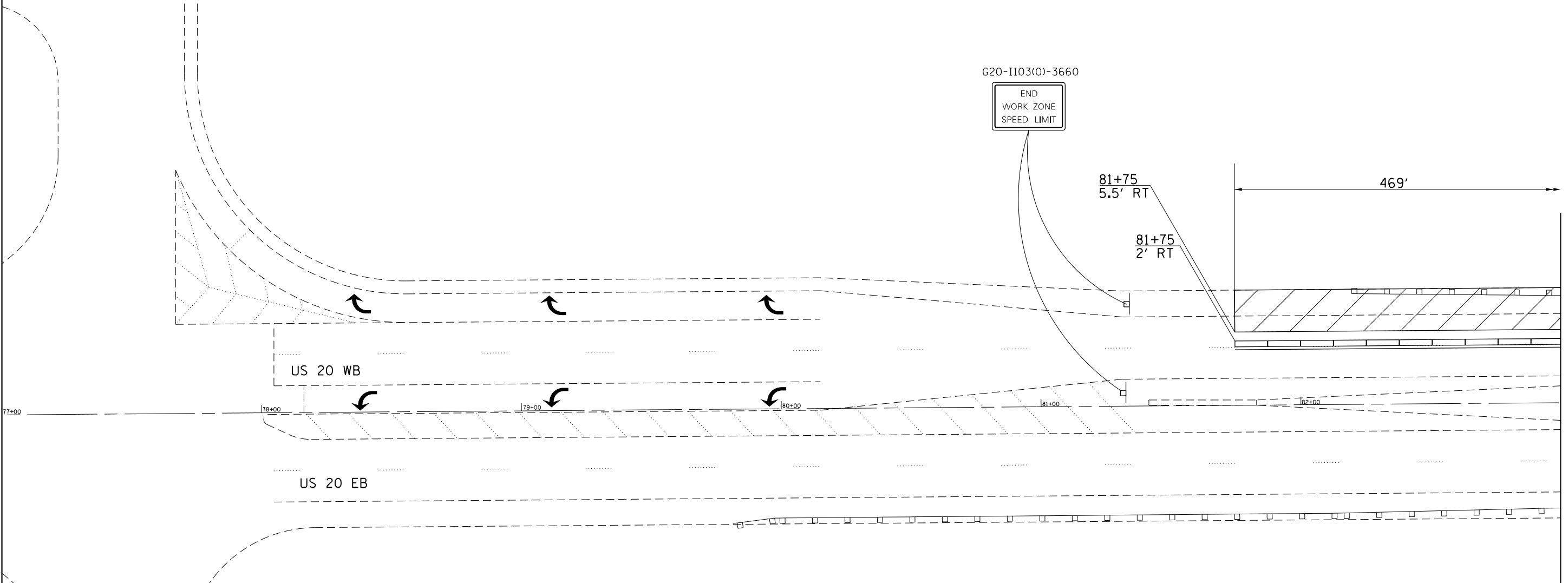
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D:\BR\Draw\Winnebago\64K49 Cleaning &	Pointing SN 101-0073 & 0074 over Kish\CADD	DRAWN _____	REVISED - _____
Default	PLOT SCALE = 40.0000' / in.	CHECKED - _____	REVISED - _____
	PLOT DATE = Mar-06-2015 08:54:09 AM	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING TYPICAL
SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)P	WINNEBAGO	16	4
CONTRACT NO. 64K49			ILLINOIS FED. AID PROJECT	

TRAFFIC CONTROL PLAN FOR SN 101-0073 & 101-0074



MATCHLINE STA 83+00

SYMBOLS

- Arrow board
- Work area
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Temporary concrete barrier
- Monodirectional barrier wall/guardrail marker
- Impact attenuator

NOTES

SEE STANDARDS 701400, 701402 AND 704001 FOR DETAILS NOT SHOWN.

OFFSETS ARE TO THE EXISTING WESTBOUND CENTERLINE PAVEMENT MARKING

BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF THE BARRIER WALL

FILE NAME =	USER NAME = dossdd	DESIGNED - _____	REVISED - _____
Default	Pointing SN 101-0073 & 0074 over Kish\CADD	DRAWN - _____	REVISED - _____
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

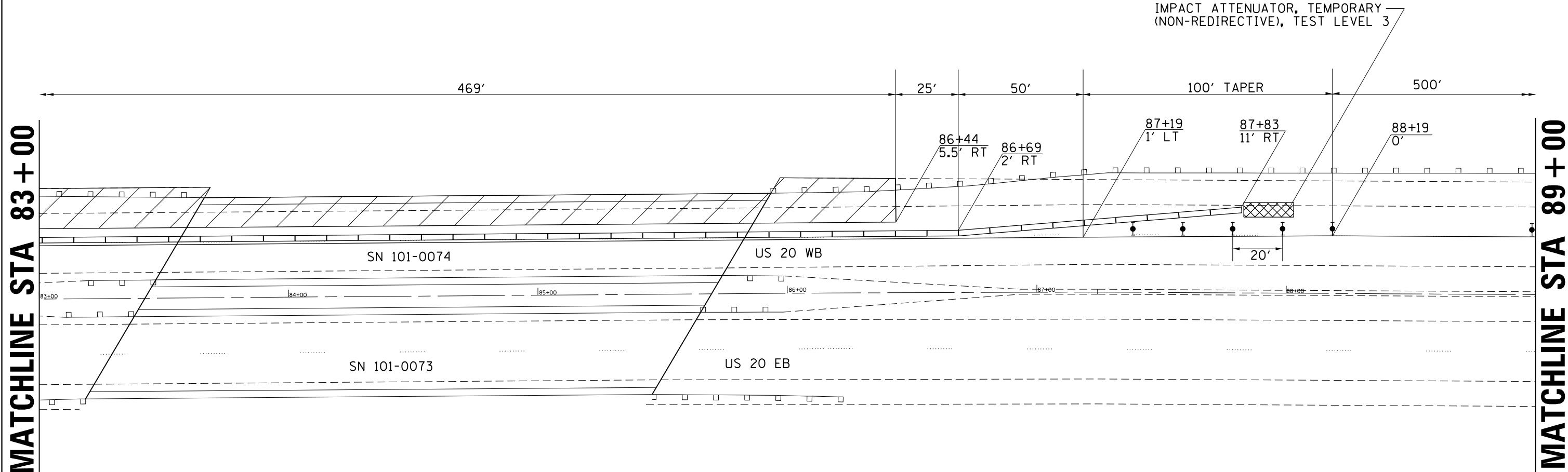
**TRAFFIC CONTROL PLAN
FOR SN 101-0073 & 101-0074**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)P	WINNEBAGO	16	5
CONTRACT NO. 64K49			ILLINOIS FED. AID PROJECT	

TRAFFIC CONTROL PLAN

FOR SN 101-0073 & 101-0074



SYMBOLS

- Arrow board
- Work area
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Temporary concrete barrier
- Monodirectional barrier wall/guardrail marker
- Impact attenuator

NOTES

SEE STANDARDS 701400, 701402 AND 704001 FOR DETAILS NOT SHOWN.

OFFSETS ARE TO THE EXISTING WESTBOUND CENTERLINE PAVEMENT MARKING

BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF THE BARRIER WALL

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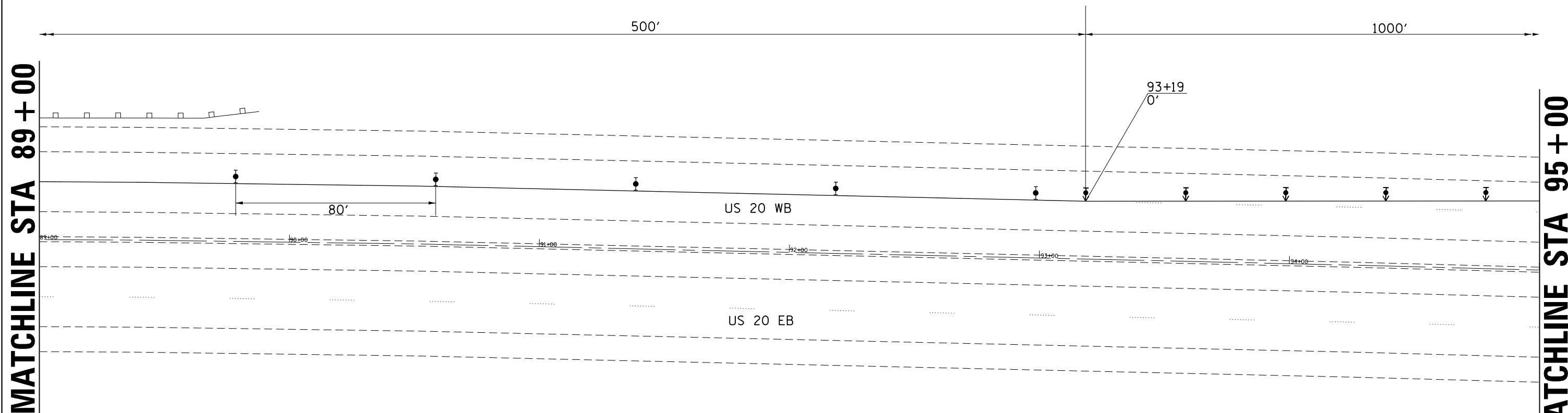
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN
FOR SN 101-0073 & 101-0074**






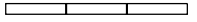


SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)P	WINNEBAGO	16	6
CONTRACT NO. 64K49			ILLINOIS FED. AID PROJECT	

TRAFFIC CONTROL PLAN FOR SN 101-0073 & 101-0074



SYMBOLS

-  Arrow board
-  Work area
-  Sign
-  Direction indicator barricade with steady burn monodirectional light
-  Type II barricade, drum, or vertical barricade with steady burn monodirectional light
-  Temporary concrete barrier
-  Monodirectional barrier wall/guardrail marker
-  Impact attenuator

NOTES

SEE STANDARDS 701400, 701402 AND 704001 FOR DETAILS NOT SHOWN.

OFFSETS ARE TO THE EXISTING WESTBOUND CENTERLINE PAVEMENT MARKING

BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF THE BARRIER WALL

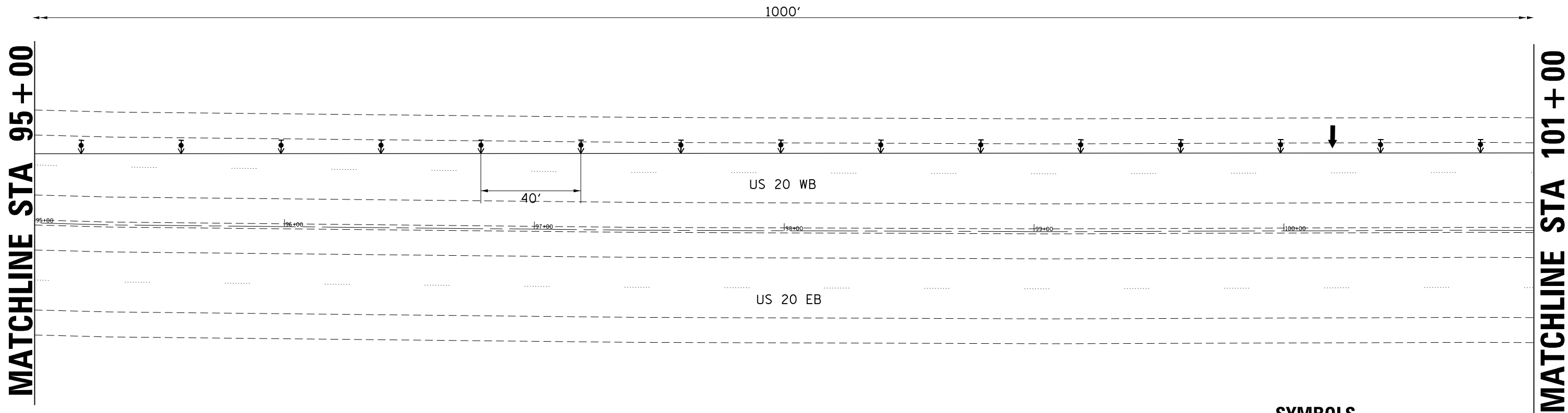
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN FOR SN 101-0073 & 101-0074			
SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)P	WINNEBAGO	16	7
			CONTRACT NO. 64K49	
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL PLAN FOR SN 101-0073 & 101-0074



SYMBOLS

- Arrow board
- Work area
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Temporary concrete barrier
- Monodirectional barrier wall/guardrail marker
- Impact attenuator

NOTES

SEE STANDARDS 701400, 701402 AND 704001 FOR DETAILS NOT SHOWN.

OFFSETS ARE TO THE EXISTING WESTBOUND CENTERLINE PAVEMENT MARKING

BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF THE BARRIER WALL

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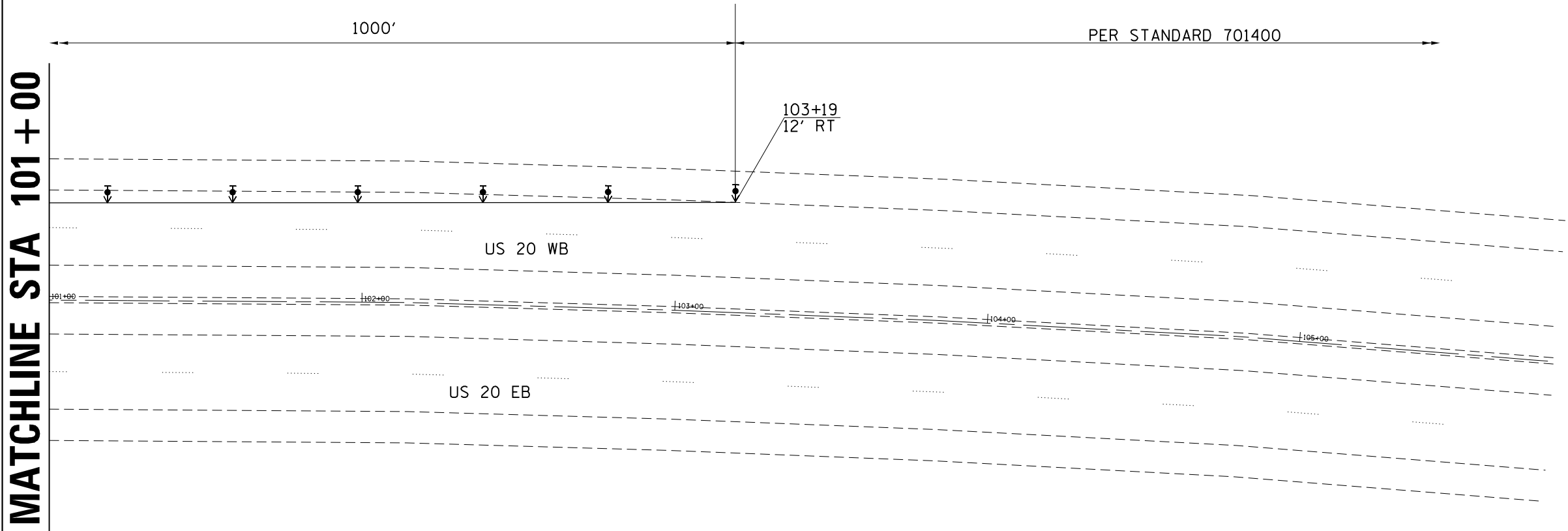
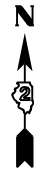
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN
FOR SN 101-0073 & 101-0074**

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









F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)P	WINNEBAGO	16	8
CONTRACT NO. 64K49			ILLINOIS FED. AID PROJECT	

TRAFFIC CONTROL PLAN FOR SN 101-0073 & 101-0074



MATCHLINE STA 101+00

SYMBOLS

-  Arrow board
-  Work area
-  Sign
-  Direction indicator barricade with steady burn monodirectional light
-  Type II barricade, drum, or vertical barricade with steady burn monodirectional light
-  Temporary concrete barrier
-  Monodirectional barrier wall/guardrail marker
-  Impact attenuator

NOTES

SEE STANDARDS 701400, 701402 AND 704001 FOR DETAILS NOT SHOWN.

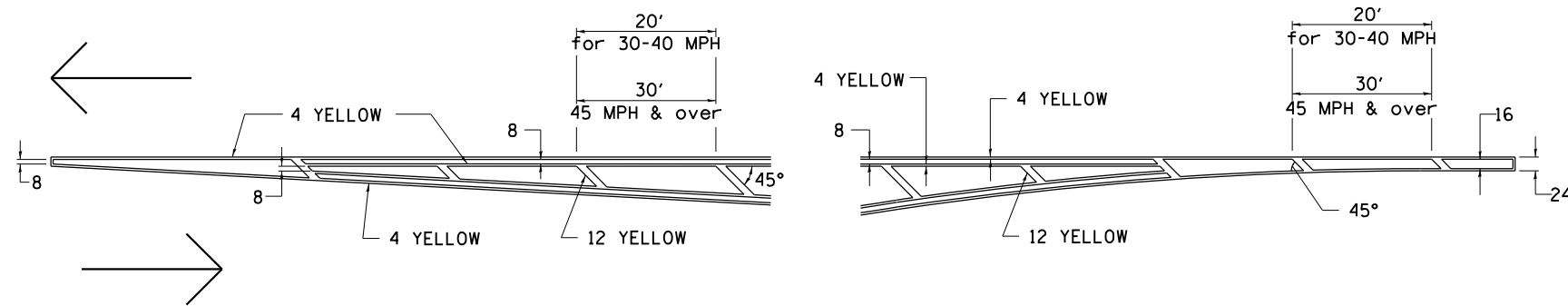
OFFSETS ARE TO THE EXISTING WESTBOUND CENTERLINE PAVEMENT MARKING

BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF THE BARRIER WALL

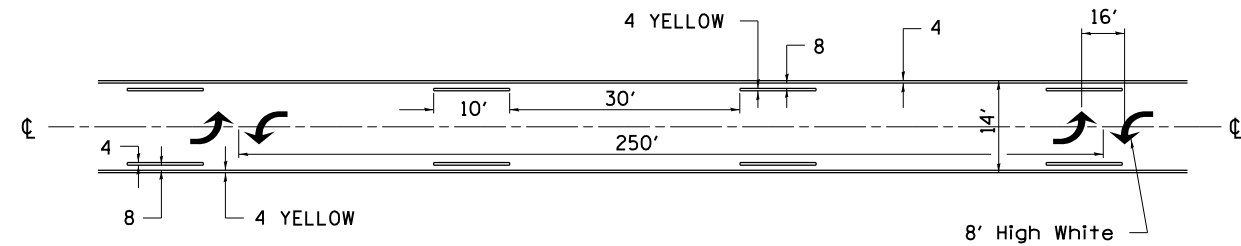
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Q:\BR\Draw\Winnebago\64K49 Cleaning &	Pointing SN 101-0073 & 0074 over Kish\CADD	DRAWN _____	REVISED - _____			525	(6B)P	WINNEBAGO	16	9	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - _____	REVISED - _____			SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 64K49		ILLINOIS FED. AID PROJECT	
	PLOT DATE = Mar-06-2015 08:54:42 AM	DATE - _____	REVISED - _____								

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

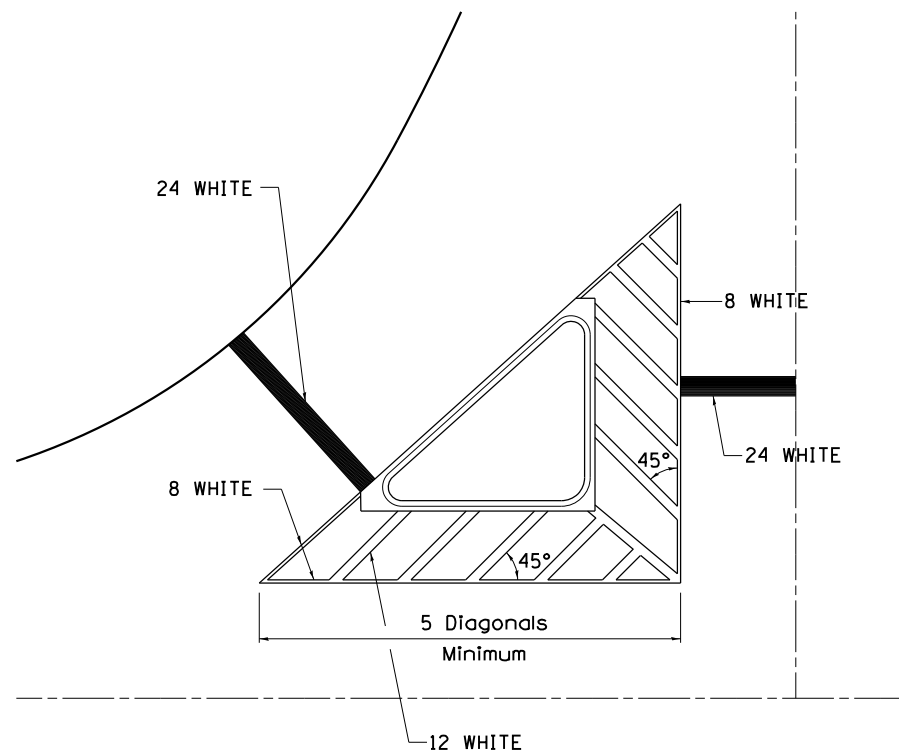


MEDIAN PAVEMENT MARKING



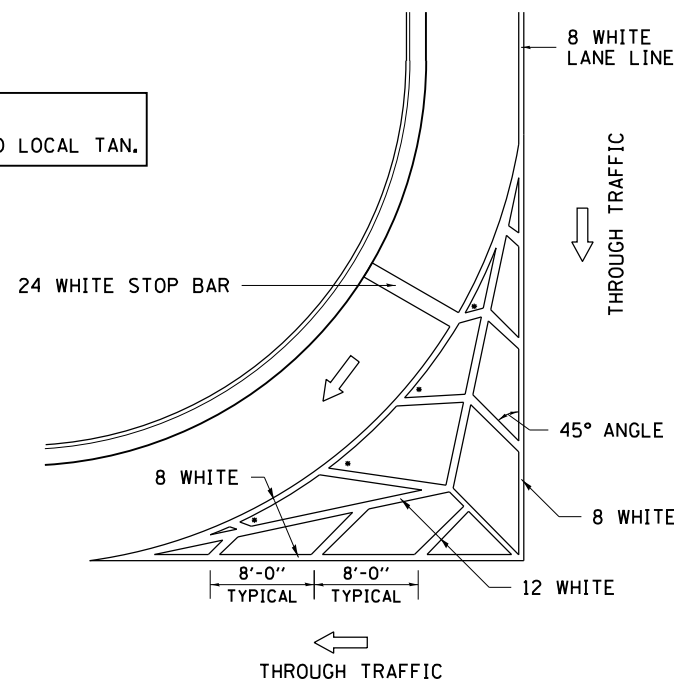
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



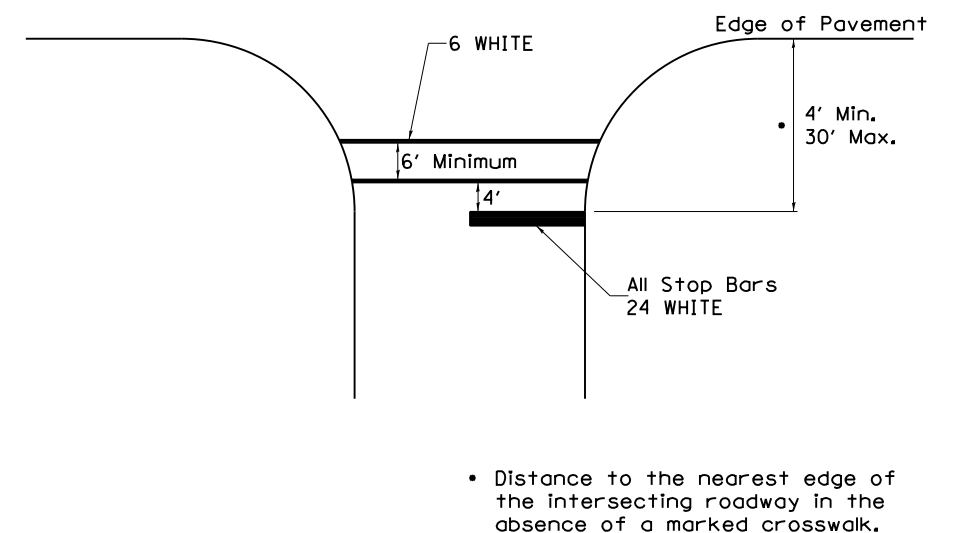
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations

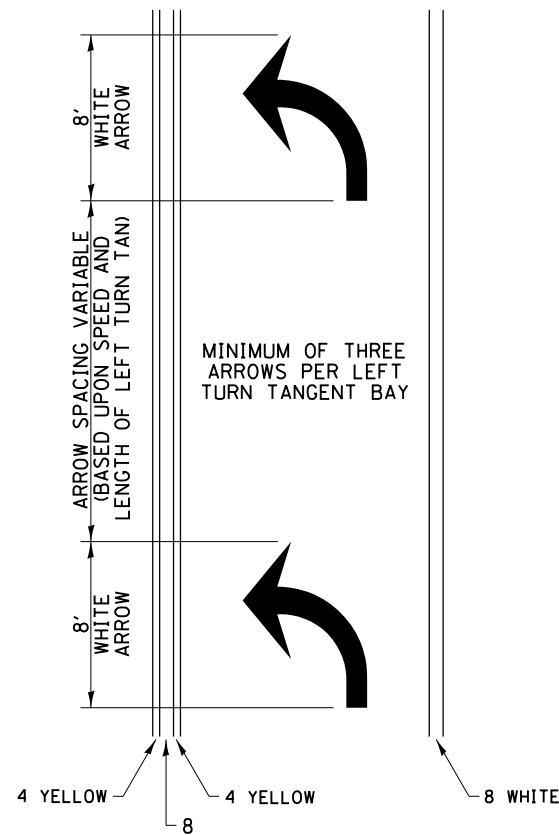


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = dossed	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\BR\Draws\Winnebago\64K49 Cleaning & Painting SN 101-0073 & 0074 over Kish\CADD\DRAWN\over.dgn			REVISED - 3-05-12		SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	525	(6B)P	WINNEBAGO	16	10
PLOT SCALE = 100.0000' / 1" =	CHECKED -		REVISED -					CONTRACT NO. 64K49				
PLOT DATE = Mar-06-2015 08:54:58 AM	DATE -		REVISED -					FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

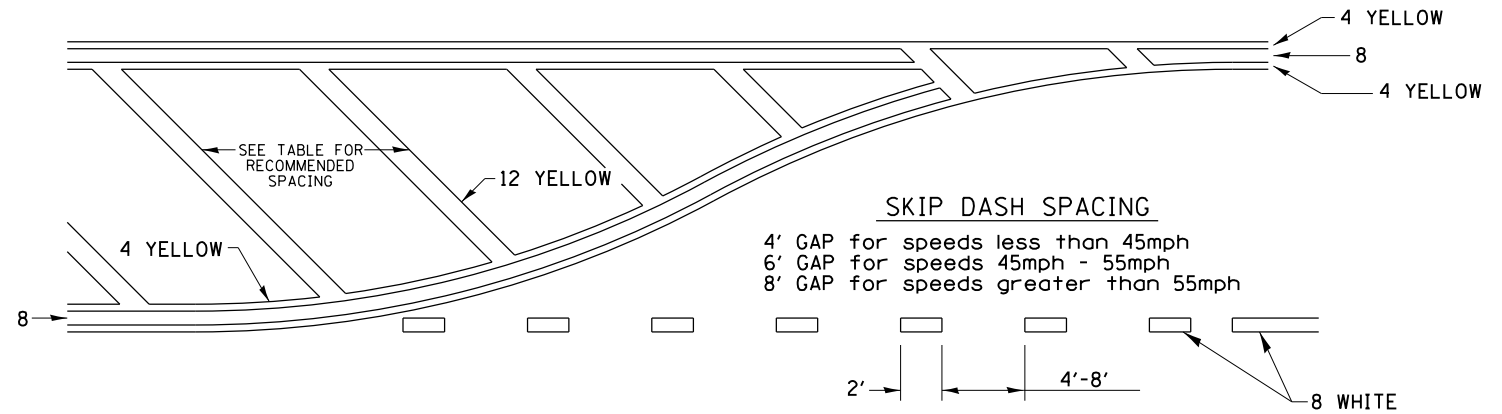
ARROW LAYOUT



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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

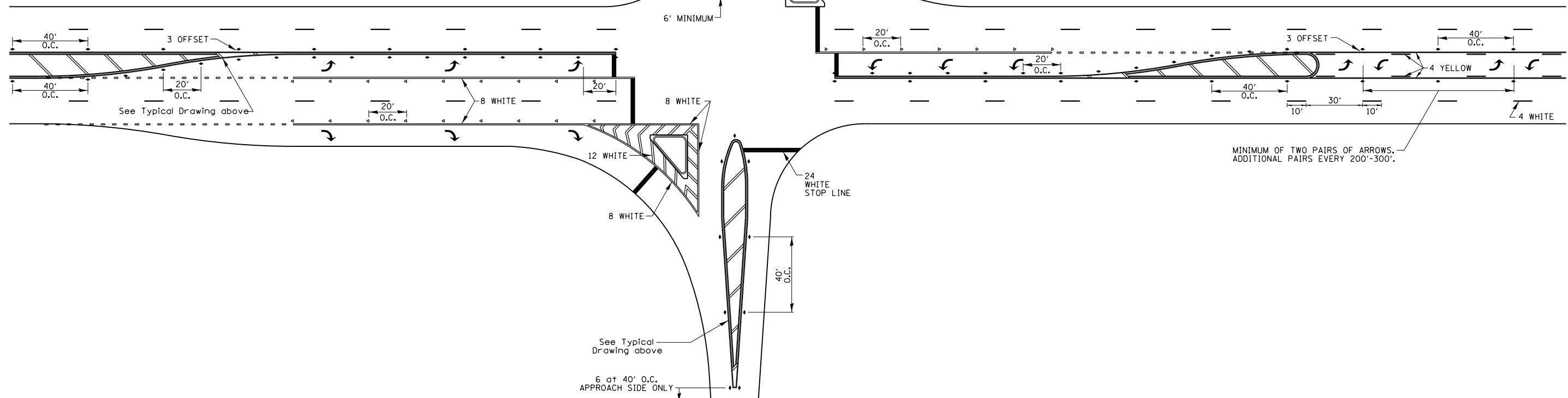
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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 = dosddd	DESIGNED -	REVISED - 6-27-14
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PLOT SCALE = 100.0000' / 1" =		DATE -	REVISED -
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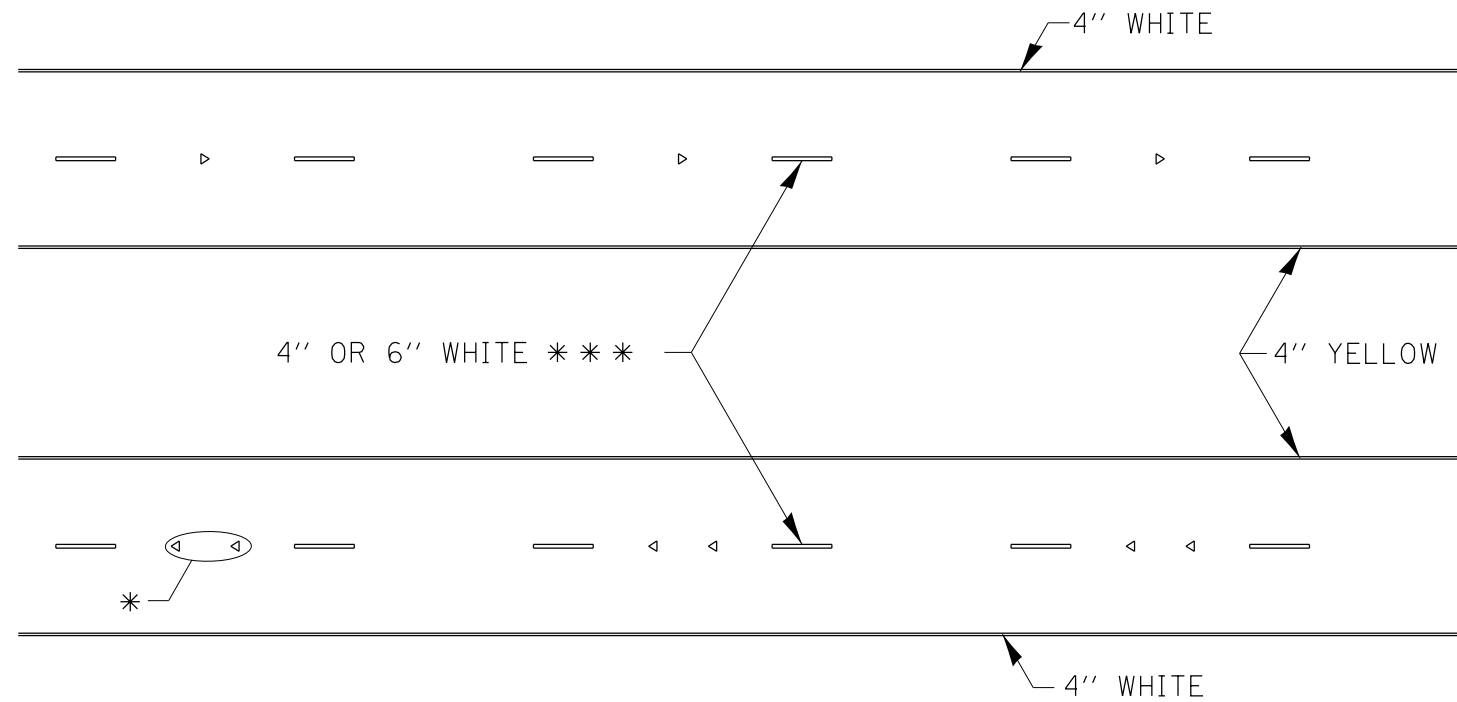
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

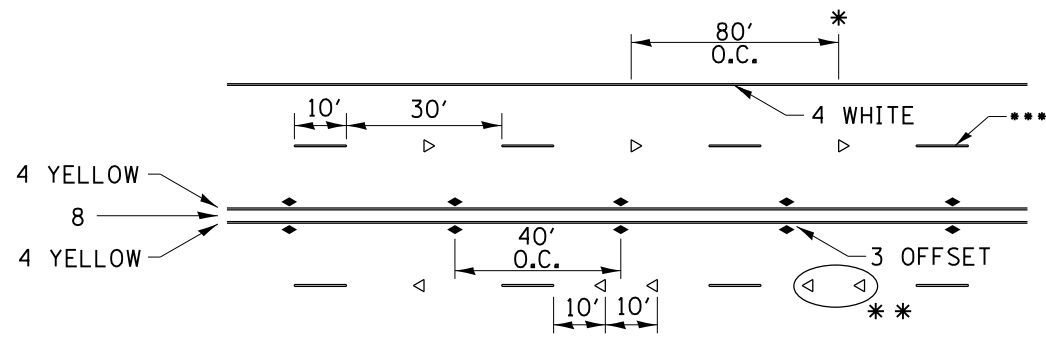
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)P	WINNEBAGO	16	11
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 64K49	

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED



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

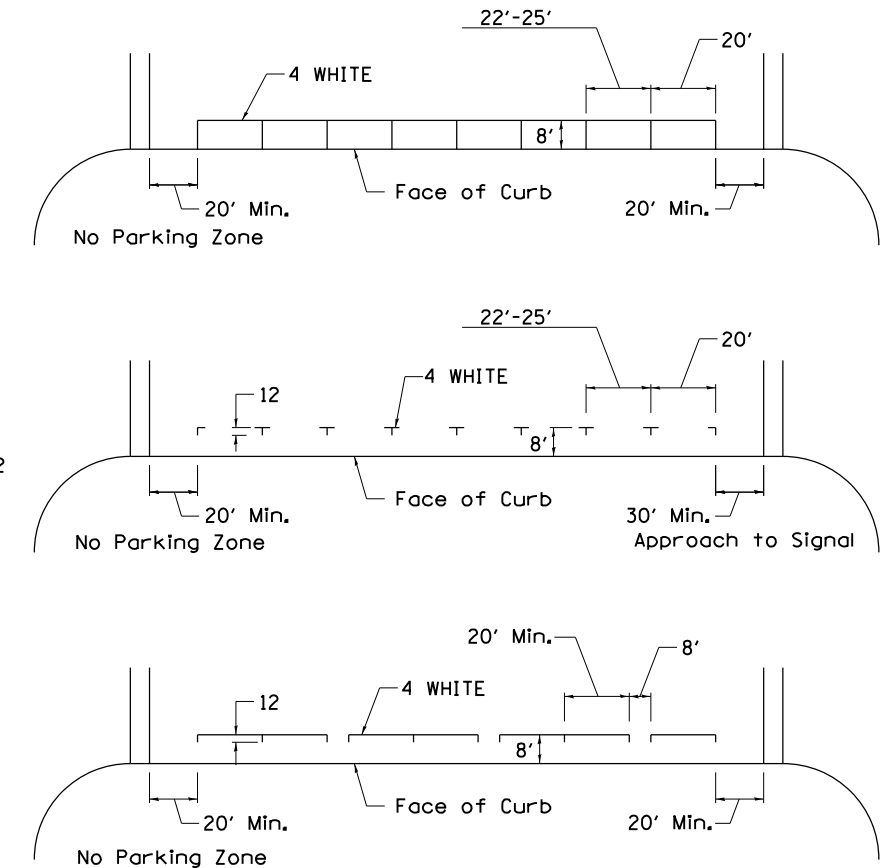
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

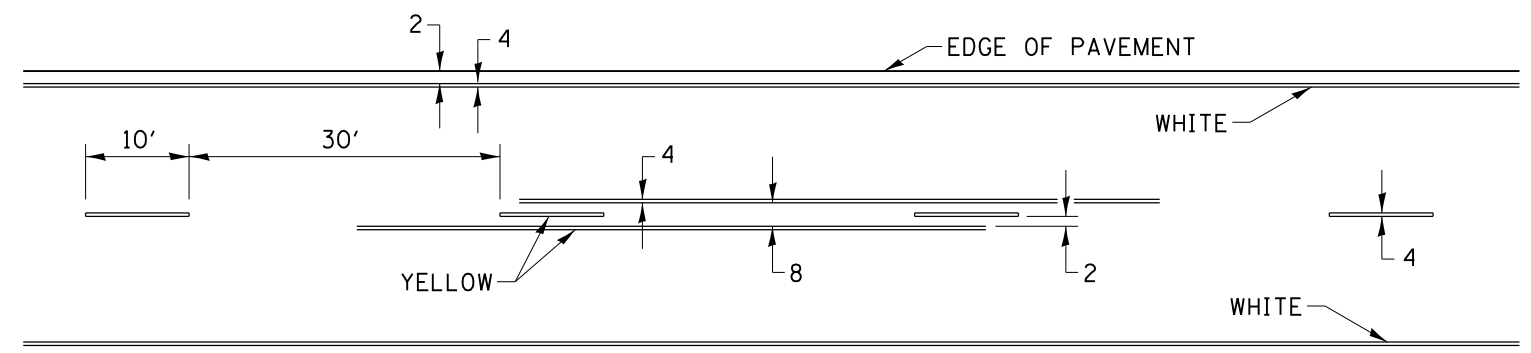
MULTI-LANE / UNDIVIDED & ONE WAY

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

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



SYMBOLS

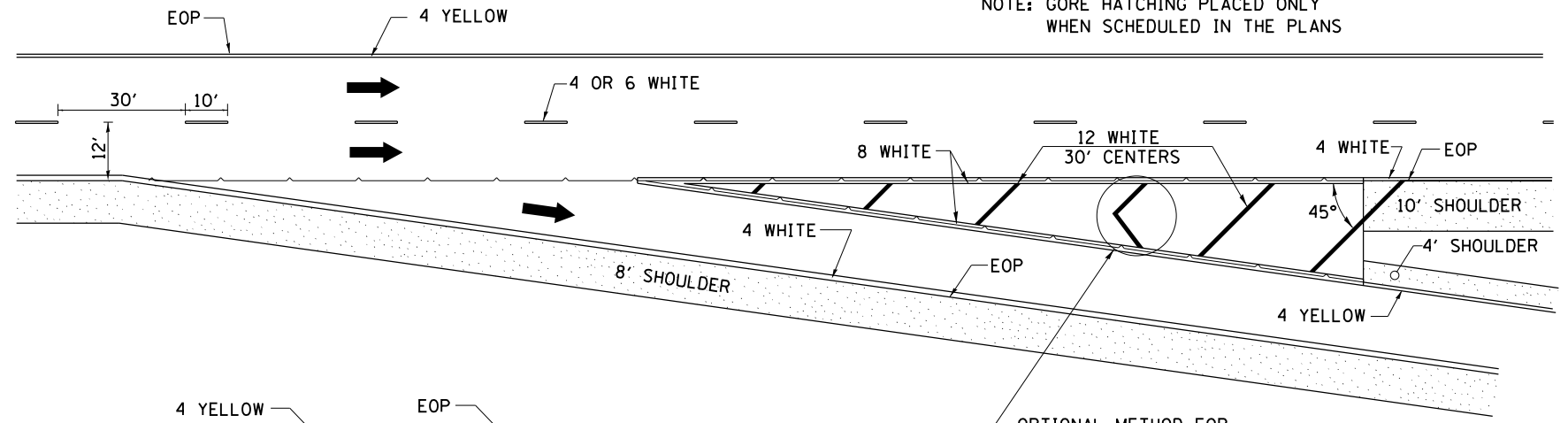
FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\BR\Draw\Winnebago\64K49 Cleaning & Pointing SN 101-0073 & 0074 over Kish\CADD\DRAWN\over.dgn			REVISED - 8-27-13				525	(6B)P	WINNEBAGO	16	12
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - 11-28-12	CONTRACT NO. 64K49								
PLOT DATE = Mar-06-2015 08:55:19 AM	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

PAINING DETAILS

CENTERLINE SKIP DASH PAVEMENT MARKING WIDTH SHALL BE 4" WHEN THE POSTED SPEED LIMIT IS UNDER 40 MPH AND 6" WHEN THE POSTED SPEED LIMIT IS 40 MPH AND OVER.

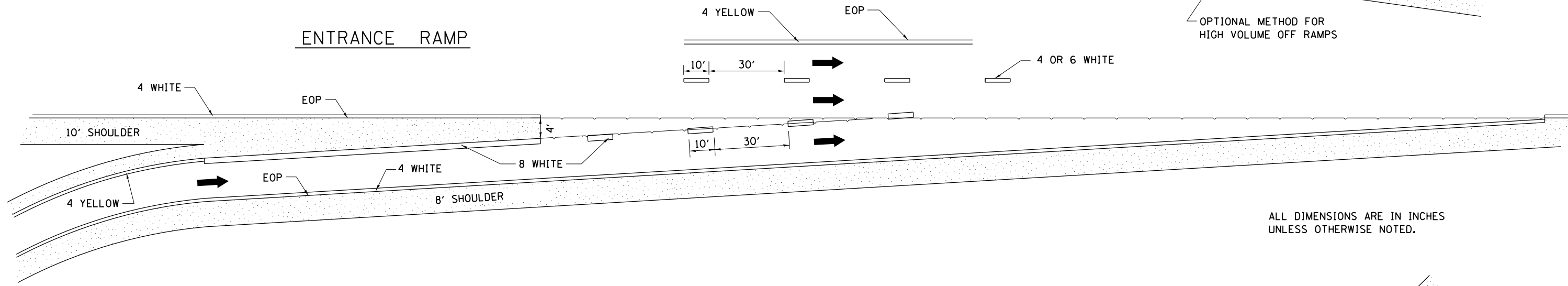
EXIT RAMP

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN THE PLANS



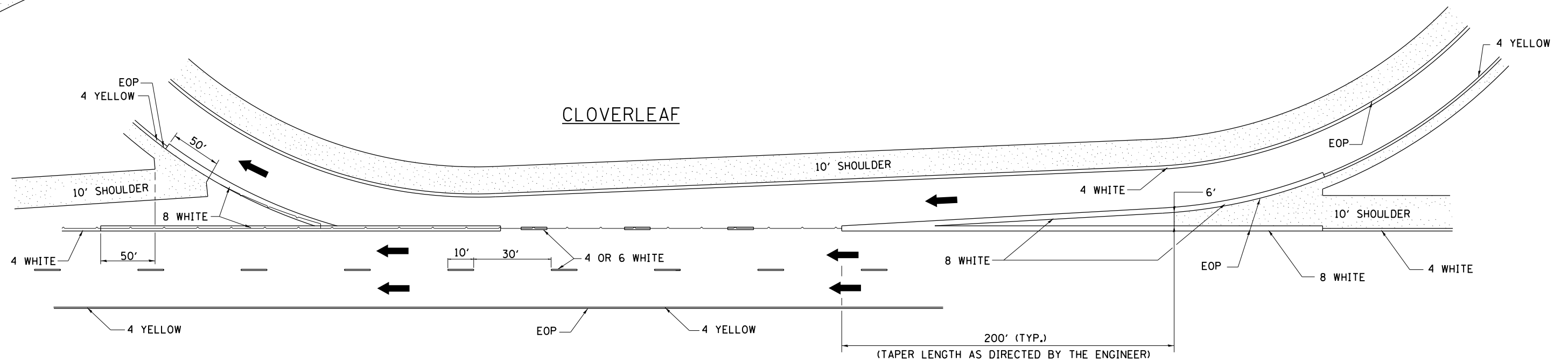
OPTIONAL METHOD FOR HIGH VOLUME OFF RAMP

ENTRANCE RAMP



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

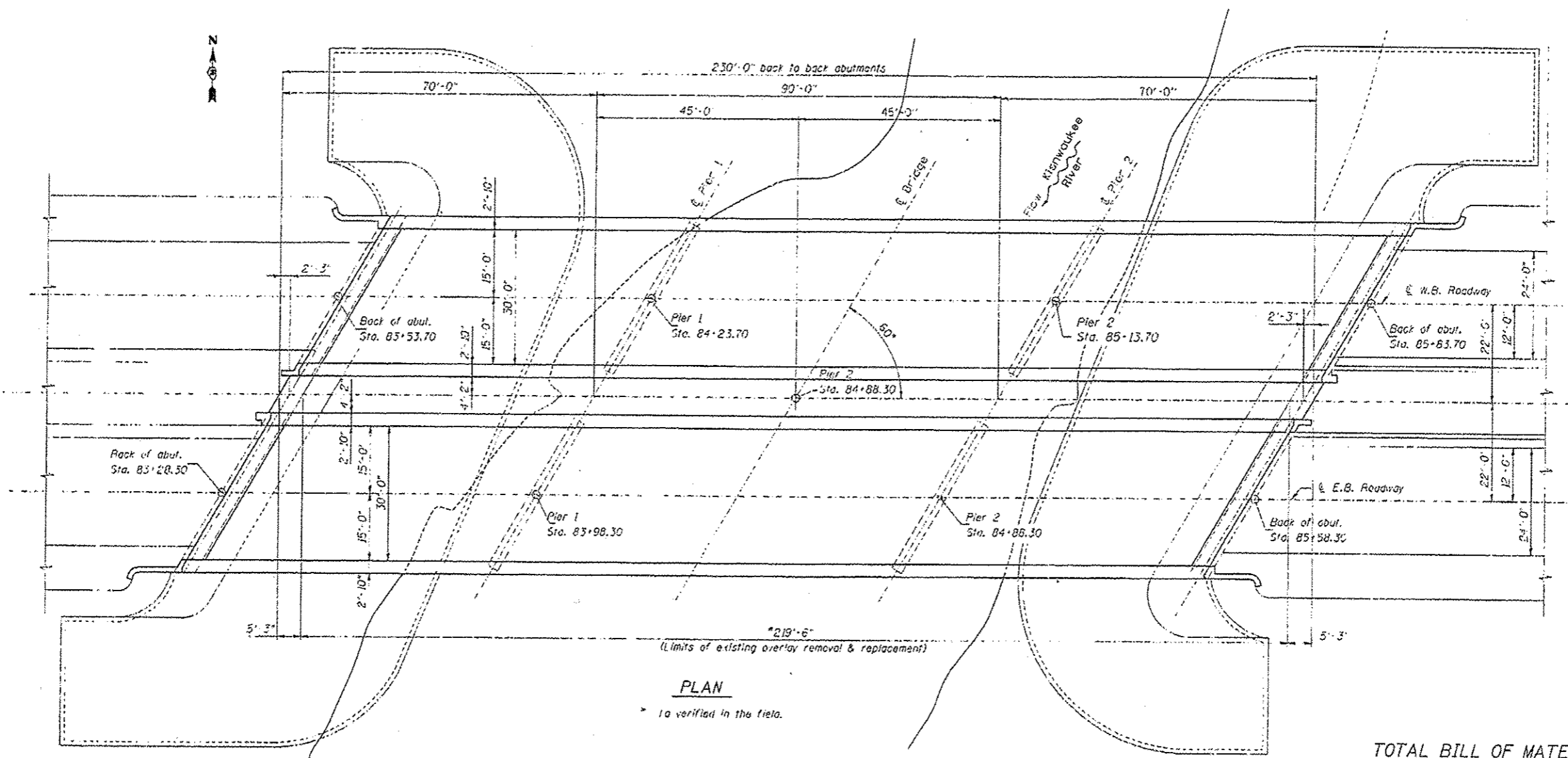
CLOVERLEAF



FILE NAME =	USER NAME = dosddd	DESIGNED -	REVISED - 8-27-13	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D:\BR\Draw\Winnebago\64K49 Cleaning & Painting SN 101-0073 & 0074 over Kish\CADD\DRAWN\over.dgn			REVISED - 10-18-11				525	(6B)P	WINNEBAGO	16	13
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -					CONTRACT NO. 64K49				
PLOT DATE = Mar-06-2015 08:55:24 AM	DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

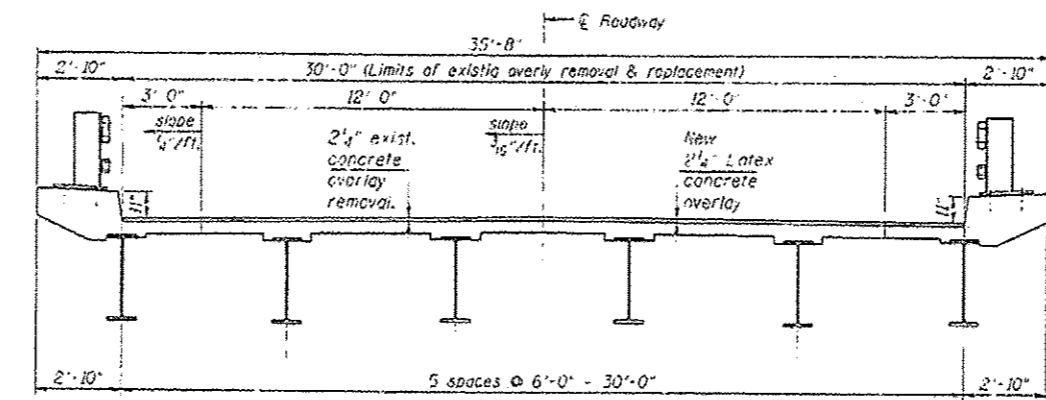
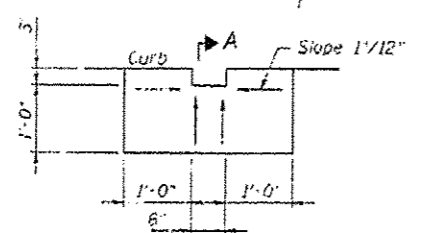
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
U.S. 20	680M	WINNEBAGO COUNTY	13	4	4 SHEETS
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT-		CONTRACT # 64K49



TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bridge Deck Hydrascarfing, 2 1/4"	Sq. Yd.	1,463
Bridge Deck Latex Concrete Overlay, 2 1/4"	Sq. Yd.	1,463
Cleaning And Painting Existing Bearings	Each	24
Deck Slab Repair (Full Depth, Type D)	Sq. Yd.	8
Bridge Deck Grooving	Sq. Yd.	732
Deck Slab Repair (Purification) (For Information Only)	Sq. Yd.	149

Notes:
1. "Cleaning & Painting existing bearing" is only for abutments. There are 24 bearings altogether located at east & west abutments of Str. # 101-0073 & 101-0074. See Special Provision "Cleaning & Painting Existing Steel Structures"

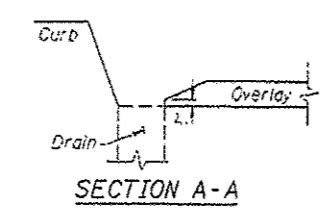


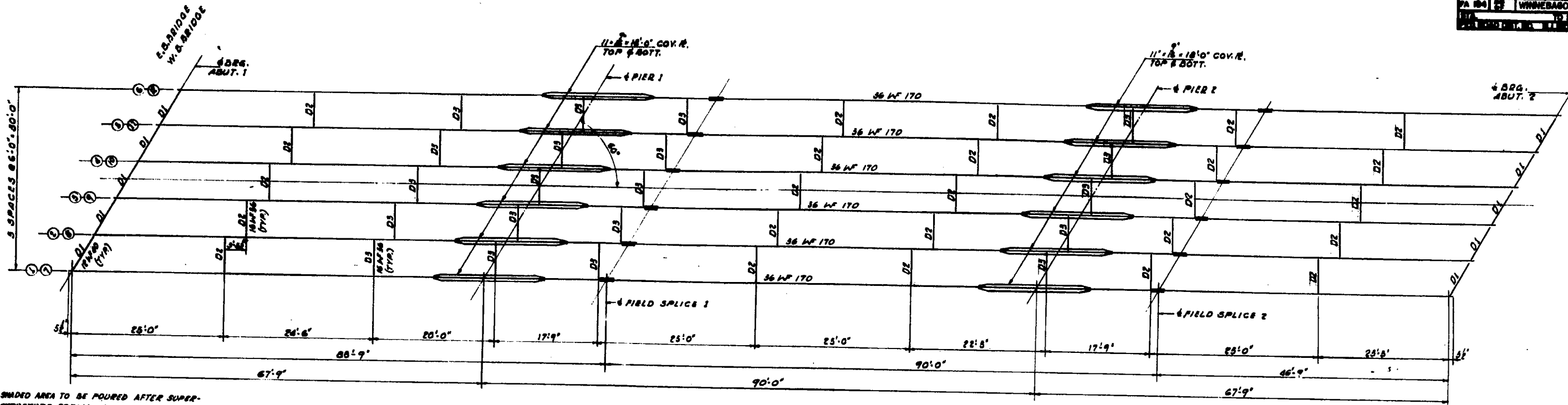
Note: 2 1/4" existing concrete overlay shall be removed and replaced with 2 1/4" Latex concrete overlay.

FOR INFORMATION ONLY

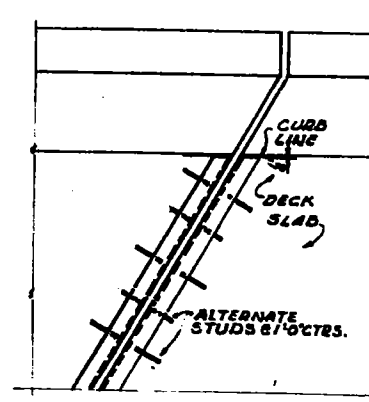
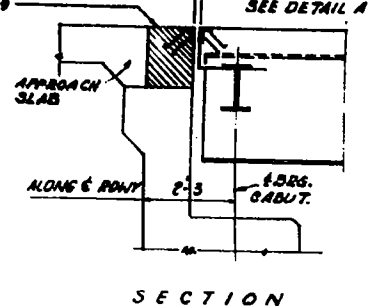
EXISTING PLAN & CROSS SECTION
TOTAL BILL OF MATERIAL
US 20 OVER KISHWAUKEE RIVER
FAP ROUTE 525 (US20), SECTION (680M)
WINNEBAGO COUNTY
STATION 84+88.30
STRUCTURE NO. 101-0073 & 101-0074
DATE: JANUARY, 2008
Soodan & Associates, Inc.
100 North LaSalle Street, Suite 1800
Chicago, Illinois 60602

M.R./M.A.
M.S./H.T.
R.K./M.A.
S./H.T./M.R.

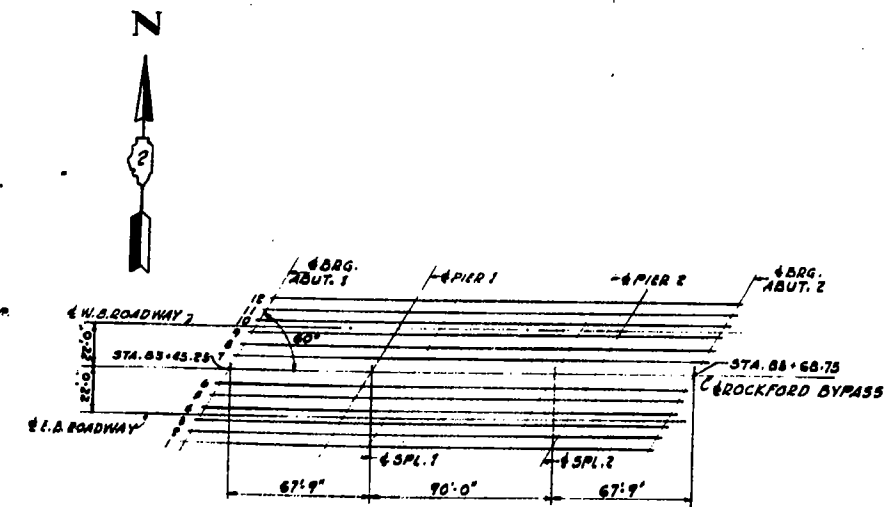
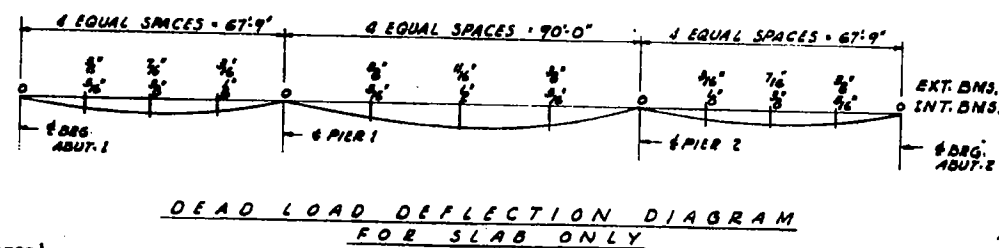
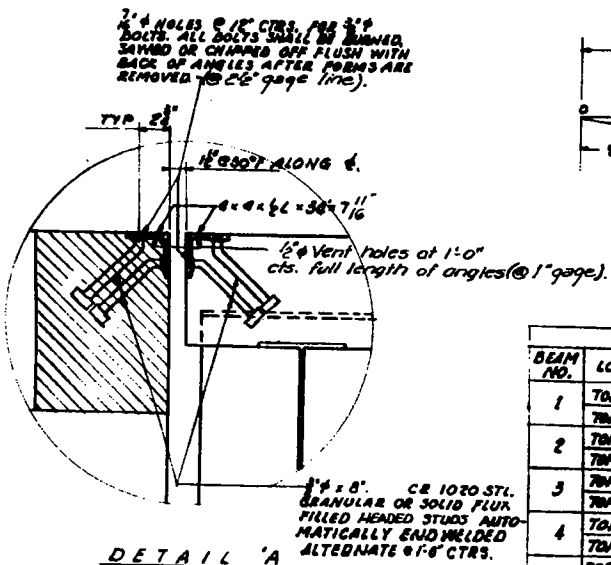




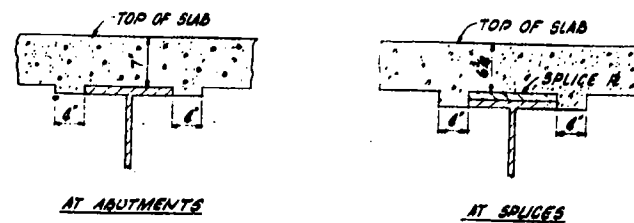
SHADED AREA TO BE POURED AFTER SUPER-STRUCTURE FORMS HAVE BEEN REMOVED. QUANTITIES FOR CLASS "X" CONCRETE FOR THIS AREA IS INCLUDED IN QUANTITIES FOR ABUTMENT - 12 @ 30' F. GNT. 819



EXPANSION JOINT DETAILS

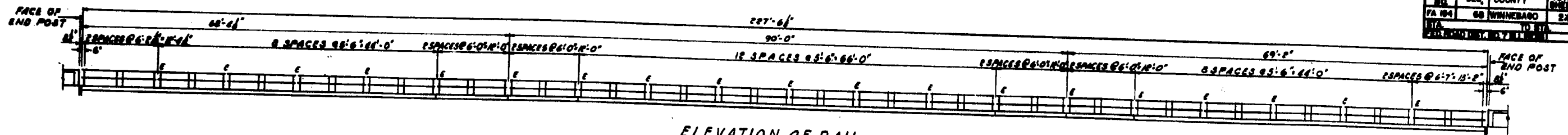


BEAM NO.	LOCATIONS	ELEVATIONS					
		4 BRG. ABUT. 1	6 BRG. PIER 1	4 FIELD SPLICE 1	4 BRG. PIER 2	4 FIELD SPLICE 2	4 BRG. ABUT. 2
1	TOP OF SLAB	739.73	739.62	739.59	739.60	739.66	739.57
	TOP OF BEAM	739.14	739.01	739.97	739.89	739.82	739.78
2	TOP OF SLAB	739.64	739.79	739.70	739.89	739.86	739.68
	TOP OF BEAM	739.26	739.12	739.89	739.96	739.93	739.89
3	TOP OF SLAB	739.90	739.79	739.75	739.65	739.61	739.56
	TOP OF BEAM	739.51	739.16	739.13	739.02	739.90	739.95
4	TOP OF SLAB	739.89	739.78	739.78	739.66	739.61	739.59
	TOP OF BEAM	739.51	739.17	739.13	739.01	739.97	739.92
5	TOP OF SLAB	739.83	739.71	739.68	739.87	739.84	739.66
	TOP OF BEAM	739.28	739.10	739.06	739.92	739.91	739.82
6	TOP OF SLAB	739.70	739.59	739.56	739.48	739.41	739.34
	TOP OF BEAM	739.12	738.92	738.98	738.82	738.79	738.76
7	TOP OF SLAB	739.69	739.80	739.84	739.64	739.60	739.55
	TOP OF BEAM	739.10	738.97	738.98	738.81	738.78	738.74
8	TOP OF SLAB	739.80	739.69	739.66	739.85	739.82	739.64
	TOP OF BEAM	739.22	739.08	739.06	738.92	738.85	738.86
9	TOP OF SLAB	739.86	739.75	739.73	739.61	739.57	739.49
	TOP OF BEAM	739.27	739.13	739.09	738.97	738.94	738.91
10	TOP OF SLAB	739.88	739.76	739.71	739.60	739.56	739.49
	TOP OF BEAM	739.27	739.15	739.09	738.97	738.93	738.91
11	TOP OF SLAB	739.78	739.67	739.64	739.83	739.80	739.62
	TOP OF BEAM	739.20	739.06	739.02	738.90	738.87	738.84
12	TOP OF SLAB	739.66	739.88	739.82	739.41	739.87	739.80
	TOP OF BEAM	739.09	738.95	738.90	738.78	738.75	738.72

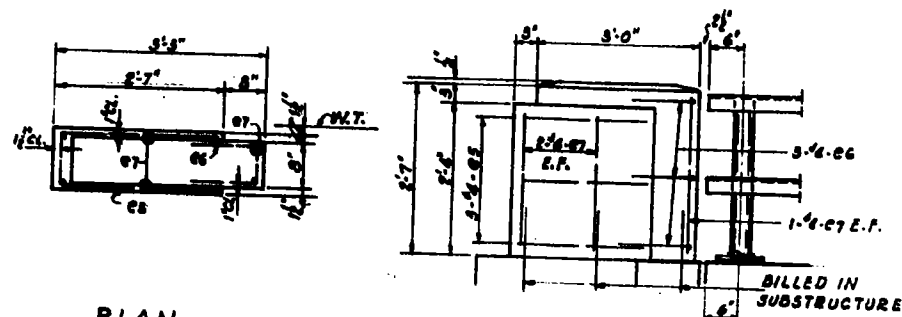


ILLINOIS DIVISION OF HIGHWAYS
ROCKFORD BYPASS
F.A. ROUTE 104
PROJECT _____ SECTION 68
WINNEBAGO COUNTY
STEEL FRAMING PLAN
Designed By: L.P. Drawn By: F.I. Checked By: L.L.G.
Checked By: L.L.G. Checked By: L.L.G.

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 104	68	WINNEBAGO	21	14
TO STA.			FROM	
287+00 TO 287+100			287+00	

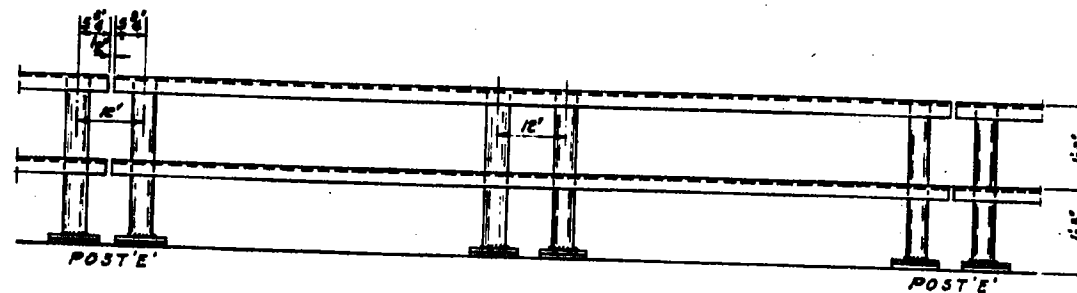


ELEVATION OF RAIL
ELEVATION OF SOUTH RAIL LOOKING NORTH
ELEVATION OF NORTH RAIL LOOKING SOUTH



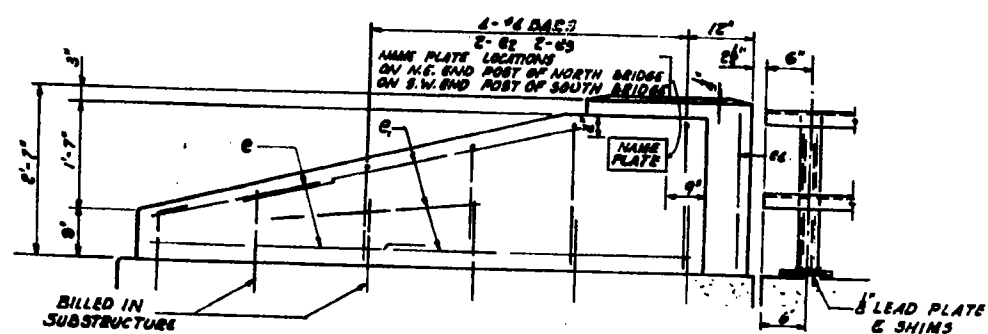
PLAN
SHORT END POST

ELEVATION

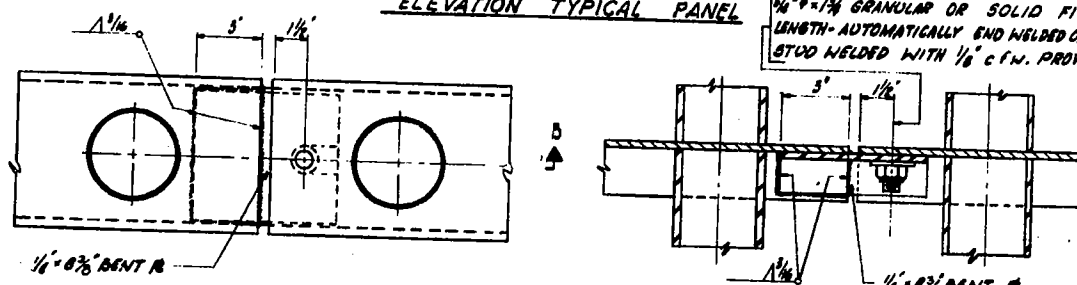


ELEVATION TYPICAL PANEL

1/4" x 1 1/2" GRANULAR OR SOLID FILLED STUD, THREADED FULL LENGTH - AUTOMATICALLY END WELDED OR 3/4" x 1 1/2" FULLY THREADED STUD WELDED WITH 1/8" C.F.W. PROVIDE WASHER AND LOCKNUT.



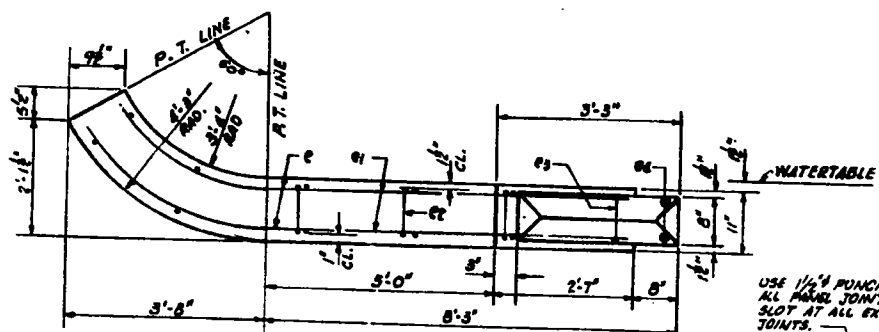
ELEVATION-LONG END POST



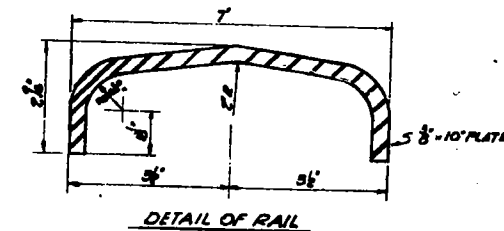
SECTION A-A

SECTION B-B

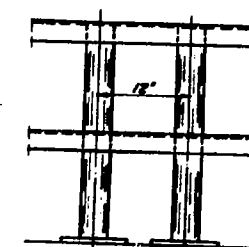
CUT PIPE TO FIT SNUG UNDER RAIL



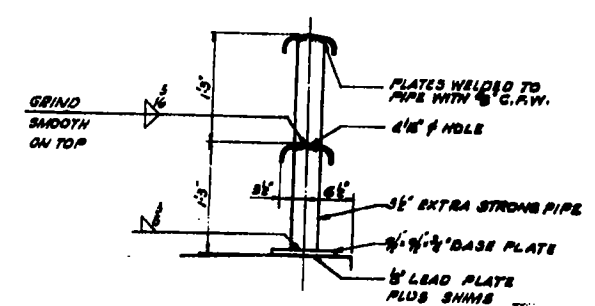
PLAN-LONG END POST



DETAIL OF RAIL



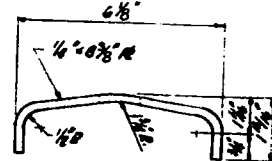
TYPICAL DOUBLE POST



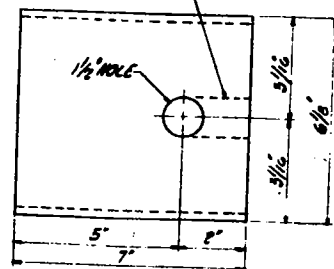
TYPICAL CROSS SECTION
(ONE BRIDGE)
BILL OF MATERIAL

ITEM	UNIT	TOTALS
METAL HANDRAIL	LIN. FT.	455.0 155.0
CLASS X CONCRETE	CU. YDS.	2.0 2.0
REINFORCEMENT BARS	LBS.	160 160

PROVIDE 1-1/2" & 2-1/2" SHIMS FOR 50% OF THE POSTS.



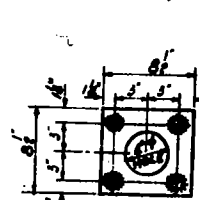
END VIEW



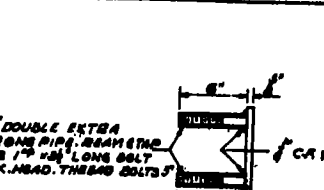
PLAN

DETAIL 1/4\"/>

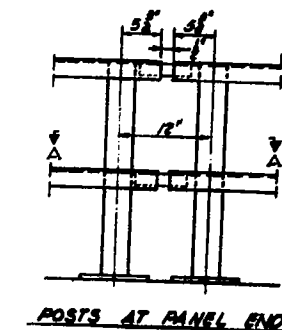
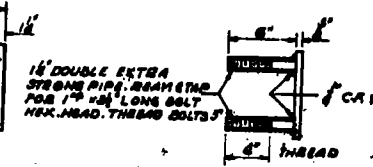
ANCHOR DEVICE
AT DOUBLE POST



BASE PLATE
ALL POSTS - SUPERSTRUCTURE



ANCHOR DEVICE
AT SINGLE POST

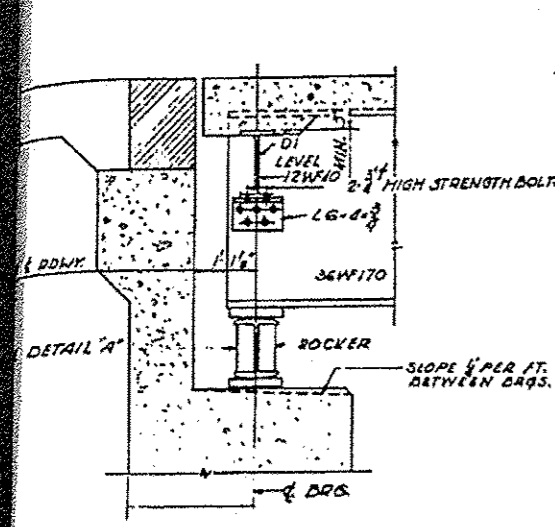


POSTS AT PANEL END

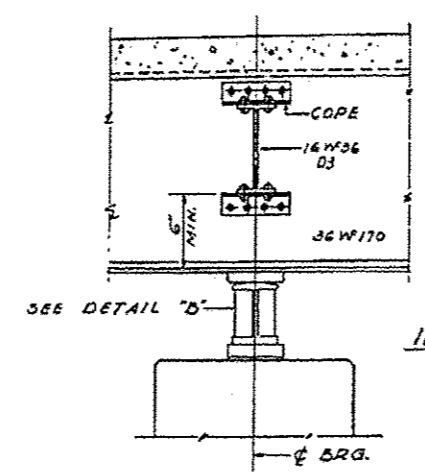
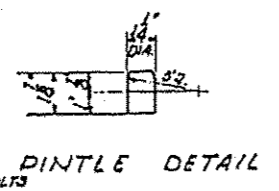
NOTES:
FOR GENERAL NOTES SEE SHT. 2
FOR BILING. SCHEDULE SEE SHT. 16

ILLINOIS DIVISION OF HIGHWAYS	
ROCKFORD BYPASS	
P. A. ROUTE 104	
PROJECT	SECTION 68
WINNEBAGO	COUNTY
HANDRAIL DETAILS	

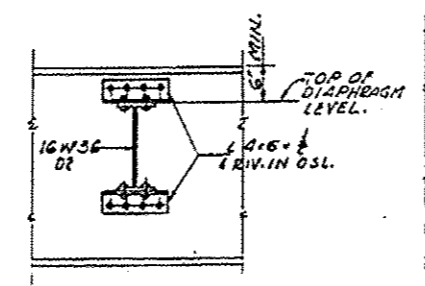
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 194	68	WINNEBAGO	22	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILL. DIST.	PROJ.		



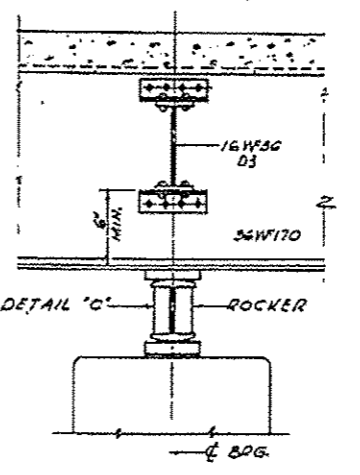
SECTION A-T ABUTMENT



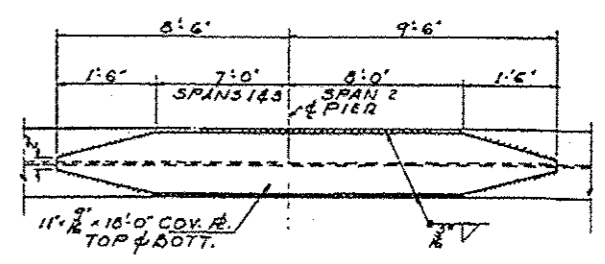
SECTION A-T FIXED PIER 2



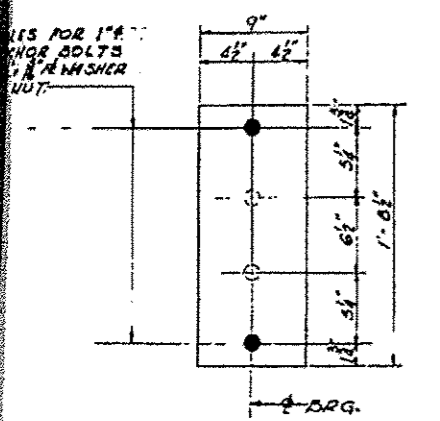
INTERIOR DIAPHRAGM



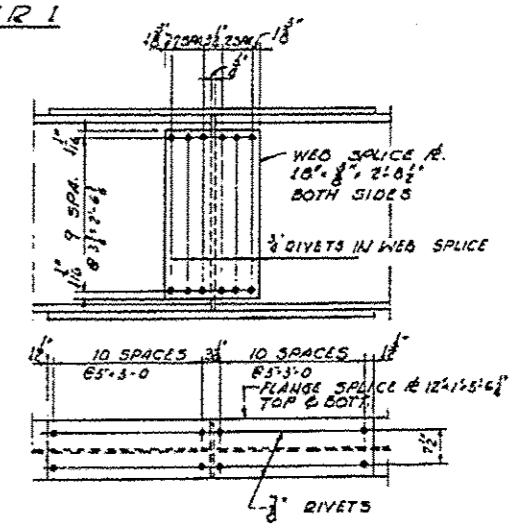
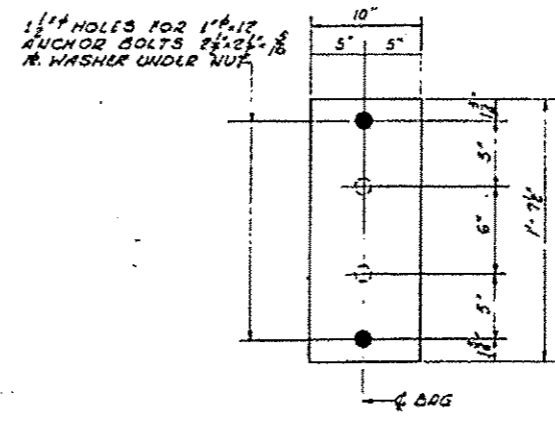
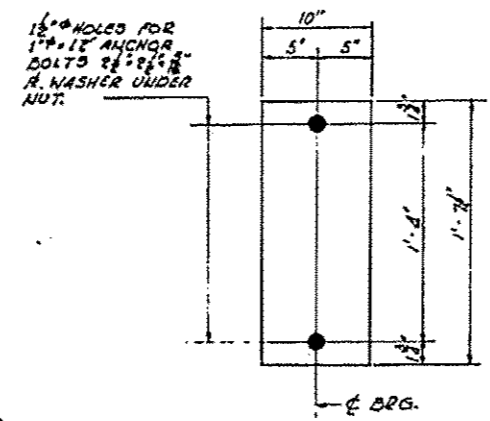
SECTION A-T EXPANSION PIER 1



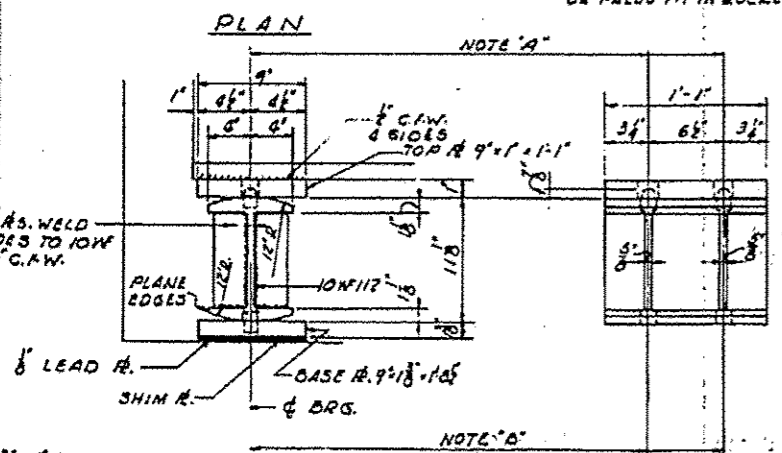
COVER PLATE DETAIL



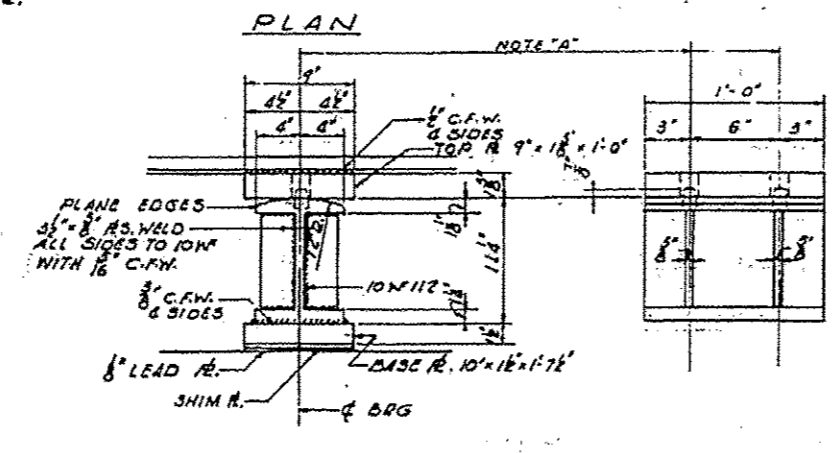
NOTE 'A'
18 HOLES IN TOP R. FOR 1 1/2\"/>



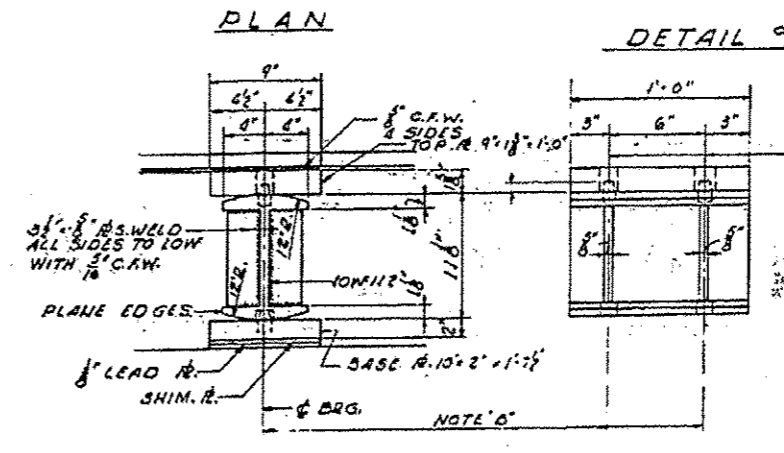
DETAIL OF SPLICE



DETAIL 'A'



DETAIL 'B'



DETAIL 'C'

TABLE OF SHIM PLATES

	ABUT. 1	PIER 1	PIER 2	ABUT. 2
DM. 1-7	16	16	16	16
DM. 2-8	1	1	1	1
DM. 9-9	1	1	1	1
DM. 8-10	1	1	1	1

FOR INFORMATION ONLY

ILLINOIS DIVISION OF HIGHWAYS
 ROCKFORD BYPASS
 F. A. ROUTE 194
 PROJECT _____ SECTION 68
 WINNEBAGO COUNTY
 STEEL DETAILS
 Designed By: L.P. Drawn By: F.I. Quantities By: F.I.
 Checked By: L.A.S. Checked By: L.A.S. Checked By: L.A.S.