

F.A.P. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	55	1
ILLINOIS CONTRACT NO. 64M66				

INDEX OF SHEETS

- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES
- 3-50 MAINTENANCE OF TRAFFIC PLANS & STANDARDS
- 51-55 STRUCTURAL REPAIR PLANS (SN 101-0151)

HIGHWAY STANDARDS

- 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
- 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45MPH
- 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701331-05 LANE CLOSURE, 2L, 2W, WITH RUN-AROUND, FOR SPEEDS > 45 MPH
- 701451-05 RAMP CLOSURE FREEWAY/EXPRESSWAY
- 701901-07 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

REGION 2 /DISTRICT 2 STANDARDS

- 35.1 URBAN LANE INSIDE CLOSURE, MULTILANE, 2-WAY, WITH MOUTABLE MEDIAN
- 36.1 TEMPORARY ROAD CLOSURE EXPRESSWAY
- 41.1 TYPICAL PAVEMENT MARKINGS
- 94.2 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS

NOTES:

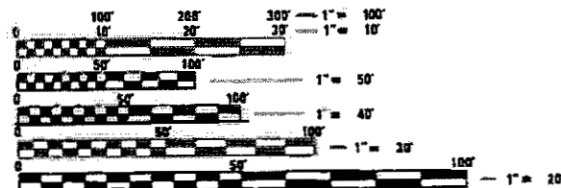
ALL BORROW WASTE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT JULIE A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK AT 800-892-0123.

NO MATERIALS, EQUIPMENT, VEHICLES OR OTHER HAZARDS SHALL BE WITHIN 2'-0" OF THE TEMPORARY CONCRETE BARRIER. EQUIPMENT THAT IS ACTIVELY WORKING WITH 2'-0" OF THE BARRIER WALL MAY BE ALLOWED FOR A SHORT DURATION, IF APPROVED BY THE ENGINEER AND THERE IS NOT ANOTHER METHOD TO COMPLETE THE WORK.

TRAFFIC DATA:

FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL
2017 ADT = 25,300
EST. TRUCK % = 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: JEFFREY EHRHART, P.E. (312) 256-9090
PROJECT MANAGER: MAHMOUD ETMADI, P.E. (815) 284-5359

CONTRACT NO. 64M66

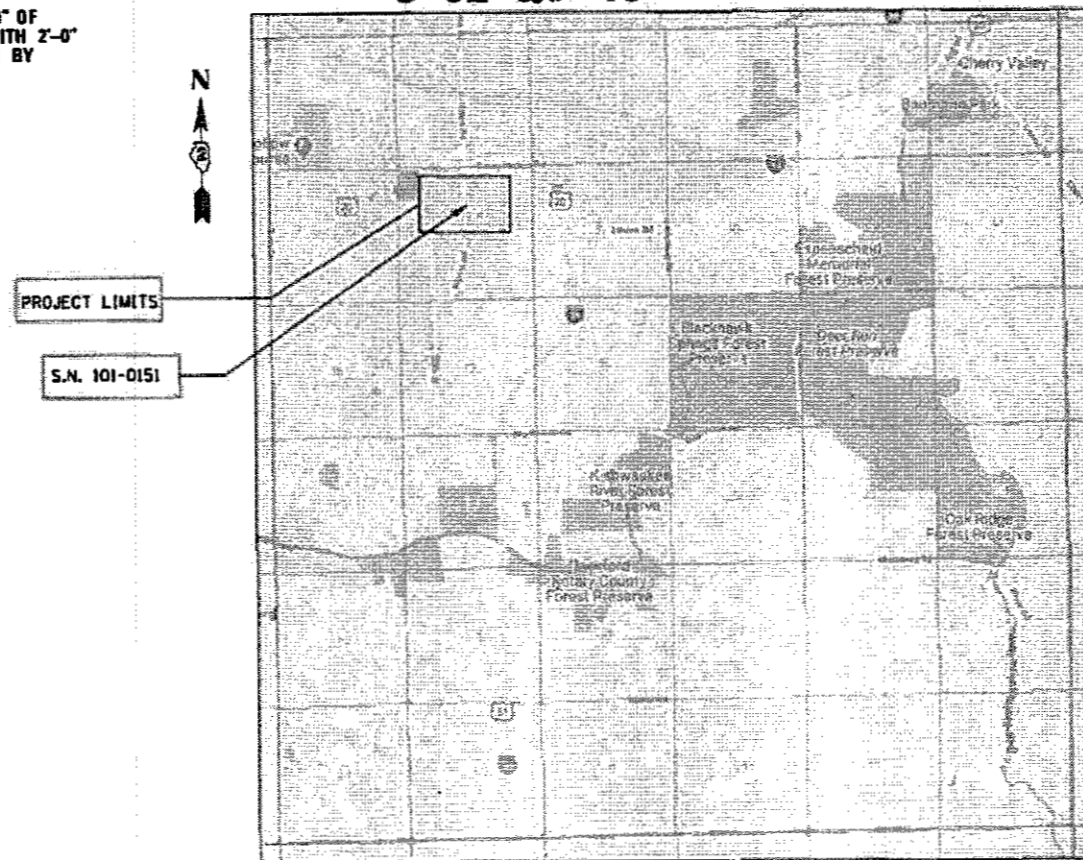
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 301 (US 20)
SECTION D2 BJR 2018-5
BRIDGE REHABILITATION
S.N. 101-0151

WINNEBAGO COUNTY

C-92-026-18



LOCATION MAP R2E 4th PM
N.T.S.

GROSS LENGTH = 500 FT. = 0.095 MILE
NET LENGTH = 500 FT. = 0.095 MILE



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 4-4-18
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION, ENGINEER

May 11 2018
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 11 2018
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CODE NAME	ITEM	UNIT	TOTAL QUANTITY	BRIDGE	ROADWAY
				0047	0004
				101-0151	URBAN
44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	854		854
44003100	MEDIAN REMOVAL	SO FT	1,160		1,160
50102400	CONCRETE REMOVAL	CU YD	6.8	6.8	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	6.5	6.5	
50300300	PROTECTIVE COAT	SO YD	34.0	34.0	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	920	920	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	179	179	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	854		854
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	1,160		1,160
67100100	MOBILIZATION	L SUM	1		1
70100200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331	EACH	1		1
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1		1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70300220	TEMPORARY PAVEMENT MARKING, LINE 4"	FOOT	8,590		8,590
*78007110	PERMANENT PAVEMENT MARKING - LINE 4"	FOOT	1,352		1,352
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	166		166
X4400110	TEMPORARY PAVEMENT REMOVAL	SO YD	217		217
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1		1
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	30		30
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	50		50
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	2,863		2,863
Z0021904	SILICONE JOINT SEALER, 1"	FOOT	166		166
Z0062456	TEMPORARY PAVEMENT	SO YD	217		217

*SPECIALTY ITEMS

WYNN DALCO
 19081 Old LaGrange Rd. Ste. 106
 Mokena, IL 60448
 312.256.9090

USER NAME = #USERS	DESIGNED - MJL	REVISED
CHECKED - JCE	REVISED	
PLOT SCALE =	DRAWN - MJL	REVISED
PLOT DATE = #DATE#	CHECKED - JCE	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SHEET NO. 1 OF 1 SHEETS	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BUR 2018-5	WINNEBAGO	55	2
CONTRACT NO. 64M66			ILLINOIS FED. AID PROJECT	

REV 5/8/18

REV 8-17

CONSTRUCTION STAGING GENERAL NOTES

1. ALL SIGNING MUST BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE IDOT BUREAU OF DESIGN AND ENVIRONMENT HIGHWAY STANDARDS AND THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
2. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR MUST BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INSTALLED ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THIS CONSTRUCTION IS IN EFFECT.
4. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE CONSTRUCTION IS IN EFFECT MUST BE COMPLETELY COVERED BY THE CONTRACTOR.
5. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS MUST BE AS REQUIRED BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED MUST MEET THE REQUIREMENTS FOR TYPE A - LOW INTENSITY FLASHING LIGHTS IN ARTICLE 702.04 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION MUST BE USED.
7. PROPOSED MAINTENANCE OF TRAFFIC SIGNING MUST BE COVERED OR REMOVED WHEN NOT REQUIRED DURING A SPECIFIC STAGE OF CONSTRUCTION.
8. SEE SUGGESTED MAINTENANCE OF TRAFFIC PLAN FOR ADDITIONAL SIGNING.
9. CHANGEABLE MESSAGE SIGNS TO BE PROVIDED AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR MUST CONDUCT HIS WORK IN SUCH A MANNER THAT EMERGENCY VEHICLES WILL HAVE ACCESS TO THE AREA AT ALL TIMES.
11. THE CONTRACTOR MUST NOTIFY THE IDOT BUREAU OF TRAFFIC AS REQUIRED 72 HOURS IN ADVANCE OF BEGINNING WORK (815) 284-5474.
12. SIGN SPACING SHALL BE PER APPLICABLE IDOT STANDARDS.
13. CONTRACTOR TO BE IN ACCORDANCE WITH IDOT DISTRICT STANDARDS.
14. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
 1. ALL WORDS, SUCH AS "ONLY", SHALL BE 8 FEET HIGH.
 2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
 3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
 4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
15. 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 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.

STAGING AND CONSTRUCTION SEQUENCES

STAGE 1

TRAFFIC:

ALPINE RD

INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKING ALONG SB ALPINE ROAD, NORTH OF SANDY HOLLOW ROAD TO CLOSE LT LANE. LT TURN LANE TO REMAIN OPEN.

INSTALL TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES ALONG ALPINE ROAD, SOUTH OF SANDY HOLLOW ROAD TO CLOSE SB SIDE OF BRIDGE. SB THRU TRAFFIC TO FOLLOW DETOUR.

CLOSE ACCESS TO LEFT TURN TRAFFIC FROM RAMP E TO SB ALPINE ROAD. ADVANCE NOTICE OF CLOSURE AND ROAD CONSTRUCTION TO BE PLACED ALONG WB US 20.

US 20

INSTALL TRAFFIC CONTROL DEVICES ALONG WB AND EB US 20 TO DETOUR SB ALPINE ROAD TRAFFIC.

SANDY HOLLOW RD

INSTALL TRAFFIC CONTROL DEVICES FOR ADVANCE WARNING OF ROAD CONSTRUCTION ALONG SB ALPINE ROAD.

CONSTRUCTION:

ALPINE RD

PERFORM EXPANSION JOINT REPLACEMENT AND MISCELLANEOUS BRIDGE REPAIRS ON SB SIDE OF STRUCTURE NO. 101-0151.

STAGE 1A

TRAFFIC:

ALPINE RD

MAINTAIN TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES ALONG SB ALPINE ROAD, NORTH OF SANDY HOLLOW ROAD.

MAINTAIN TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES ALONG ALPINE ROAD, SOUTH OF SANDY HOLLOW ROAD TO CLOSE SB SIDE OF BRIDGE.

MAINTAIN CLOSURE AND ADVANCE WARNING SIGNAGE ALONG RAMP E AND WB US 20.

INSTALL TRAFFIC CONTROL DEVICES ALONG NB ALPINE ROAD TO PERFORM COMBINATION CURB & GUTTER AND MEDIAN REMOVAL. TEMPORARY PAVEMENT TO BE INSTALLED TO ALLOW FOR STAGE 2B MOT CONFIGURATION.

NB ALPINE ROAD TRAFFIC TO BE REDUCED TO ONE LANE WHILE PERFORMING CURB & GUTTER, MEDIAN REMOVAL, AND PLACEMENT OF TEMPORARY PAVEMENT.

REMOVAL OF CURB & GUTTER AND MEDIAN SHALL BE RESTRICTED TO NON-PEAK CONSTRUCTION HOURS BETWEEN XX:XXAM - XX:XXAM. THIS INCLUDES THE TRANSITIONING TO STAGE 1A, REMOVAL OF CURB & GUTTER AND MEDIAN, AND THE PLACMENT OF PROPOSED TEMPORARY PAVEMENT.

TRAFFIC ALONG EB TO NB RAMP TO BE REDUCED TO ONE LANE FOR THE DURATION OF STAGE 1A CONSTRUCTION.

US 20

MAINTAIN TRAFFIC CONTROL DEVICES ALONG WB AND EB US 20 TO DETOUR SB ALPINE ROAD TRAFFIC.

SANDY HOLLOW RD

MAINTAIN TRAFFIC CONTROL DEVICES FOR ADVANCE WARNING OF ROAD CONSTRUCTION ALONG SB ALPINE ROAD.

CONSTRUCTION:

ALPINE RD

PERFORM COMBINATION CURB & GUTTER REMOVAL AND MEDIAN REMOVAL FOR FUTURE PLACEMENT OF STAGE 2B MOT CONFIGURATIONS.

INSTALL TEMPORARY PAVEMENT IN PLACE OF REMOVED COMBINATION CURB & GUTTER AND MEDIAN IN PREPERATION OF STAGE 2B MOT CONFIGURATIONS.

STAGE 2

TRAFFIC:

ALPINE RD

MAINTAIN TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES ALONG SB ALPINE ROAD, NORTH OF SANDY HOLLOW ROAD.

MAINTAIN TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES ALONG ALPINE ROAD, FROM SANDY HOLLOW ROAD TO RAMP C.

MAINTAIN CLOSURE AND ADVANCE WARNING SIGNAGE ALONG RAMP E AND WB US 20.

INSTALL TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS ALONG ALPINE ROAD TO SHIFT NB TRAFFIC TO THE SB SIDE OF BRIDGE DECK TO ALLOW FOR CONSTRUCTION OF THE NORTH SIDE OF BRIDGE.

US 20

MAINTAIN TRAFFIC CONTROL DEVICES ALONG WB AND EB US 20 TO DETOUR SB ALPINE ROAD TRAFFIC.

SANDY HOLLOW RD

MAINTAIN TRAFFIC CONTROL DEVICES FOR ADVANCE WARNING OF ROAD CONSTRUCTION ALONG SB ALPINE ROAD.

CONSTRUCTION:

ALPINE RD

PERFORM EXPANSION JOINT REPLACEMENT AND MISCELLANEOUS BRIDGE REPAIRS ON NB SIDE OF STRUCTURE NO. 101-0151.

STAGE 2A

TRAFFIC:

ALPINE RD

PERFORM LANE CLOSURE ALONG NB AND SB ALPINE ROAD TO PERFORM REMOVAL OF TEMPORARY PAVEMENT AND PLACEMENT OF CONCRETE CURB & GUTTER AND MEDIAN.

TRAFFIC TO BE REDUCED TO ONE LANE IN EACH DIRECTION DURING THE CONSTRUCTION OF THE CONCRETE CURB & GUTTER AND MEDIAN.

REMOVE LEFT TURN RESTRICTION ALONG RAMP E.

TRAFFIC ALONG EB TO NB RAMP TO BE REDUCED TO ONE LANE FOR THE DURATION OF STAGE 2A CONSTRUCTION.

CONSTRUCTION OF PROPOSED CURB & GUTTER AND PROPOSED MEDIAN SHALL BE RESTRICTED TO NON-PEAK CONSTRUCTION HOURS, BETWEEN XX:XXAM - XX:XXAM. THIS INCLUDES THE TRANSITIONING TO STAGE 2A, REMOVAL OF TEMPORARY PAVEMENT, AND PLACMENT OF PROPOSED CURB & GUTTER AND MEDIAN.

US 20

REMOVE ALL TRAFFIC CONTROL DEVICES ALONG WB AND EB US 20 FOR DETOUR.

SANDY HOLLOW RD

MAINTAIN TRAFFIC CONTROL DEVICES FOR ADVANCE WARNING OF ROAD CONSTRUCTION ALONG SB ALPINE ROAD.

CONSTRUCTION:

ALPINE RD

INSTALL REPLACEMENT CONCRETE CURB & GUTTER AND MEDIAN ALONG ALPINE ROAD.

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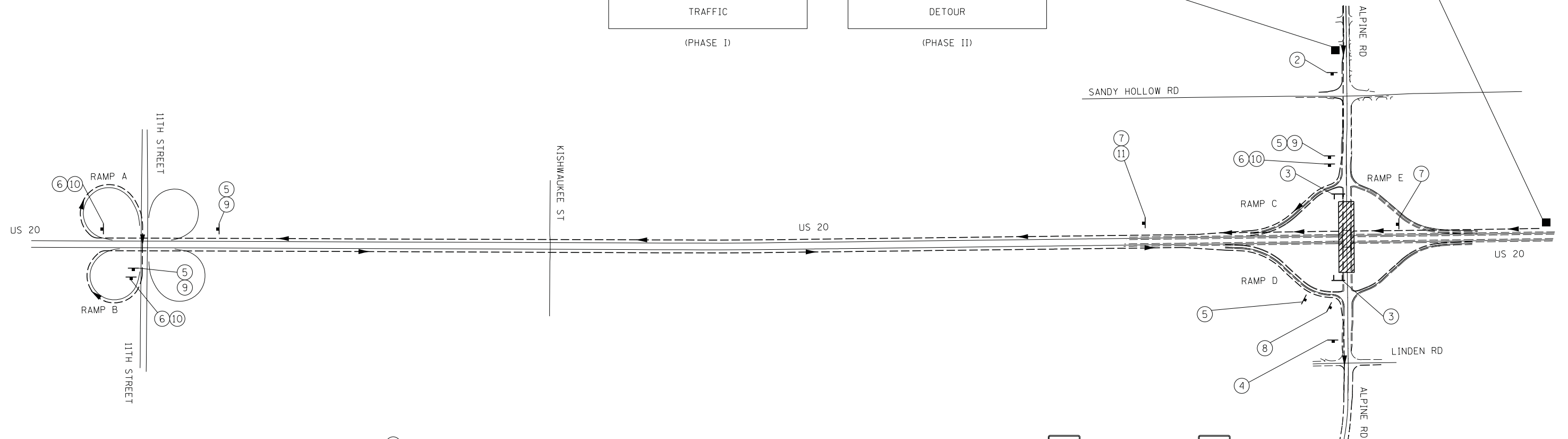
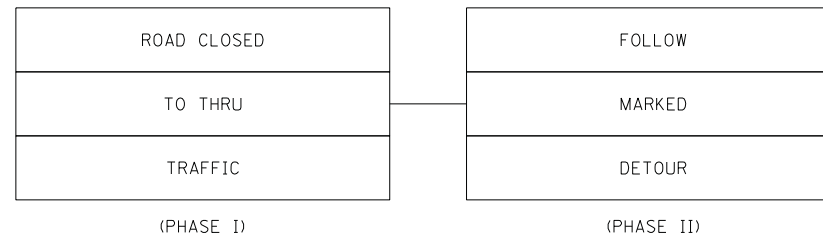
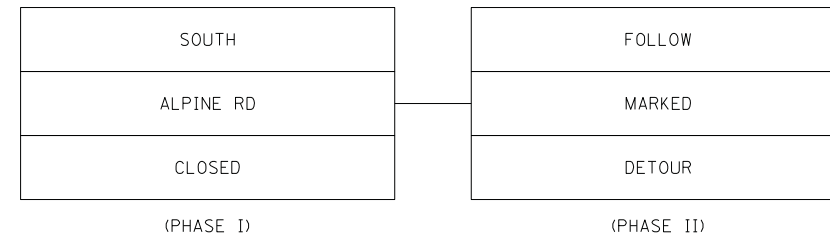
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
STAGING & CONSTRUCTION SEQUENCE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	3
CONTRACT NO. 64M66				
		ILLINOIS	FED. AID PROJECT	

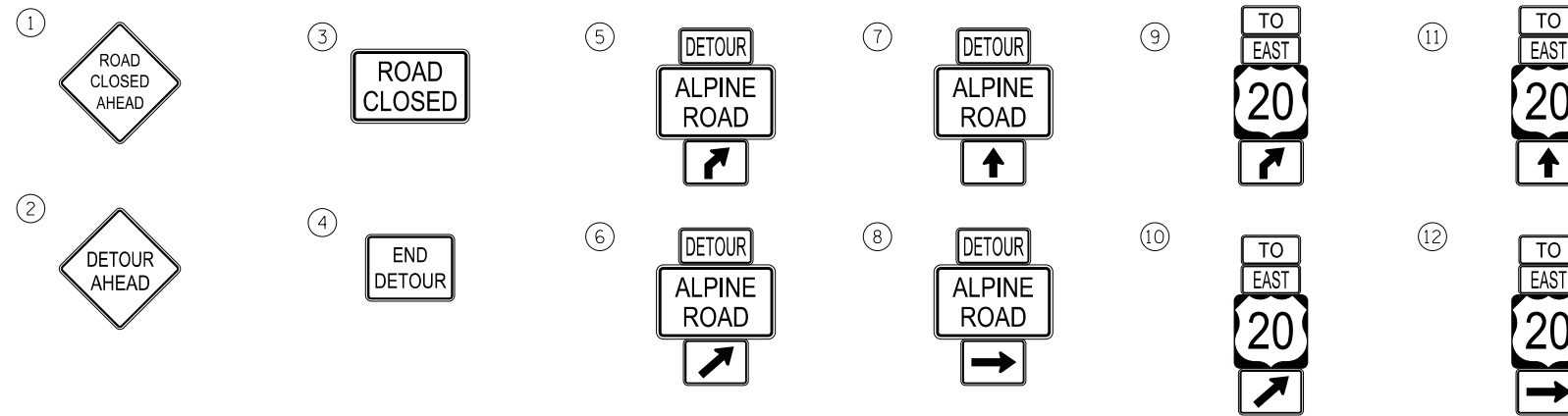
CONSTRUCTION STAGING GENERAL NOTES

1. THE CONTRACTOR IS INSTRUCTED TO COORDINATE ALL DETOUR SIGNING WITH SIGNING IN-PLACE FOR CONSTRUCTION ON ADJACENT IMPROVEMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL DETOUR SIGNING. THE CONTRACTOR MAY REQUEST THAT THE ENGINEER VERIFY THE POSITIONS OF ANY SIGNS.
3. ACTUAL LOCATIONS FOR SIGNING SHOWN ON THE DETOUR PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
4. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHEN THE DETOUR IS IN EFFECT SHALL BE COVERED BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.
5. ALL DETOUR SIGNS INSTALLED ON ROADWAYS SHALL BE COVERED DURING HOURS THAT THE DETOUR IS NOT IN EFFECT.



LEGEND

DETOUR ROUTE	---
PROPOSED DETOUR SIGN	+
TYPE III BARRIDACE	T
WORK ZONE	▨
PORTABLE MESSAGE BOARD	■



NOT TO SCALE

MODEL: D:\d4\11... DBS STERLIN CONSULTANTS, INC. 100 N. WILSON DRIVE SUITE 2000 CHICAGO, ILLINOIS 60606 TEL: (312)857-1000 FAX: (312)857-1056



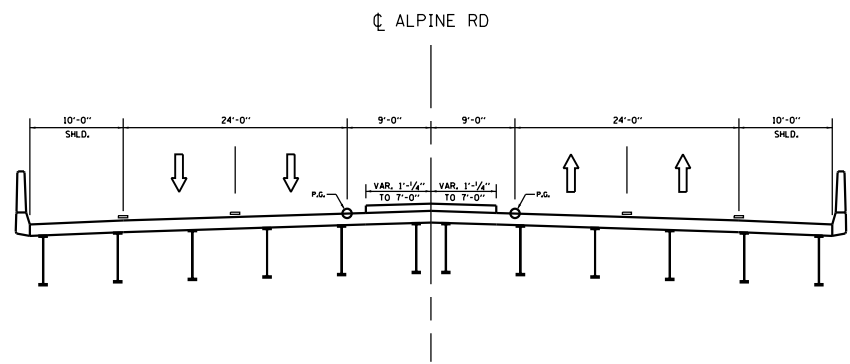
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

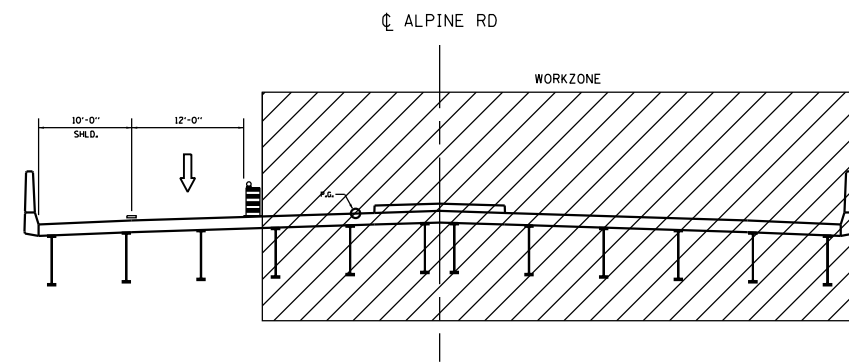
DETOUR PLANS

SHEET 1 OF 1 SHEETS

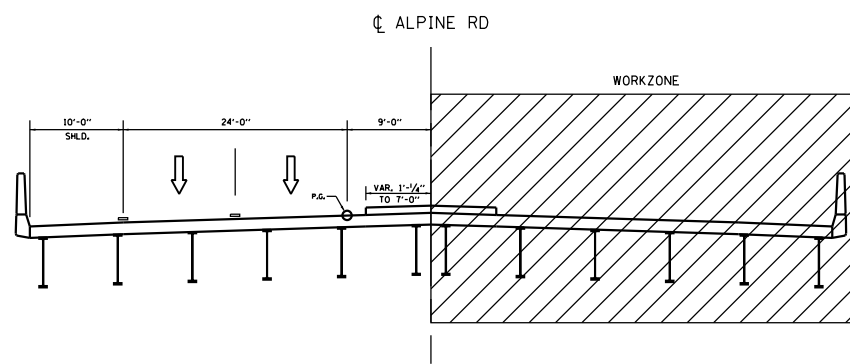
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412	D2 BJR 2018-5	WINNEBAGO	53	4
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



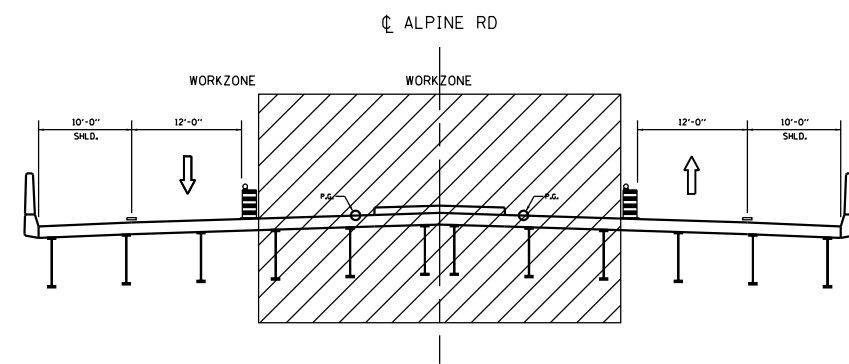
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EXISTING TYPICAL
STA. 34+43.99 TO STA. 36+32.15



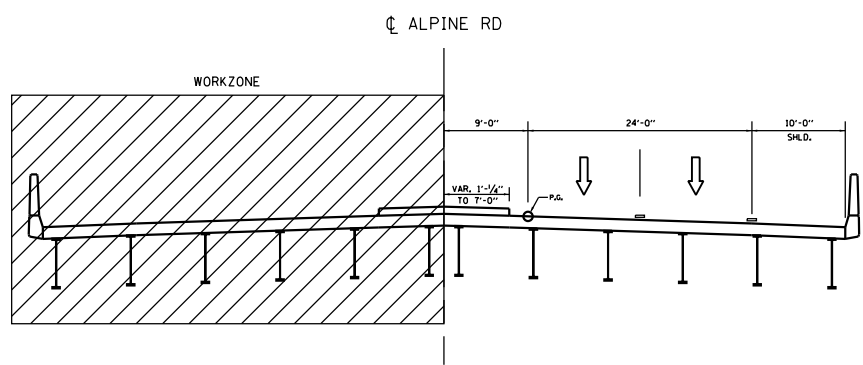
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STAGE 1A CONSTRUCTION TYPICAL
STA. 34+43.99 TO STA. 36+32.15



STRUCTURE NO. 101-0151 OVER US 20 (LOOKING SOUTH)
STAGE 1 CONSTRUCTION TYPICAL
STA. 34+43.99 TO STA. 36+32.15



STRUCTURE NO. 101-0151 OVER US 20 (LOOKING SOUTH)
STAGE 2A CONSTRUCTION TYPICAL
STA. 34+43.99 TO STA. 36+32.15



STRUCTURE NO. 101-0151 OVER US 20 (LOOKING SOUTH)
STAGE 2 CONSTRUCTION TYPICAL
STA. 34+43.99 TO STA. 36+32.15

NOT TO SCALE

TOTAL MAINTENANCE OF TRAFFIC – SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
X7015005	CHANGEABLEMESSAGE SIGN	CAL DAY	30
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	8590
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	2863
78007110	PERMANENT PAVEMENT MARKING - LINE 4"	FOOT	1352
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	166
44003100	MEDIAN REMOVAL	SO FT	1160
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	854
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	1160
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	854
Z0062456	TEMPORARY PAVEMENT	SO YD	217
X4400110	TEMPORARY PAVEMENT REMOVAL	SO YD	217

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
70100200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331	EACH	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	LSUM	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICALS
SUMMARY OF QUANTITIES

SHEET 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	SPRT\$	SPG#\$
CONTRACT NO. 64M66				













ILLINOIS FED. AID PROJECT

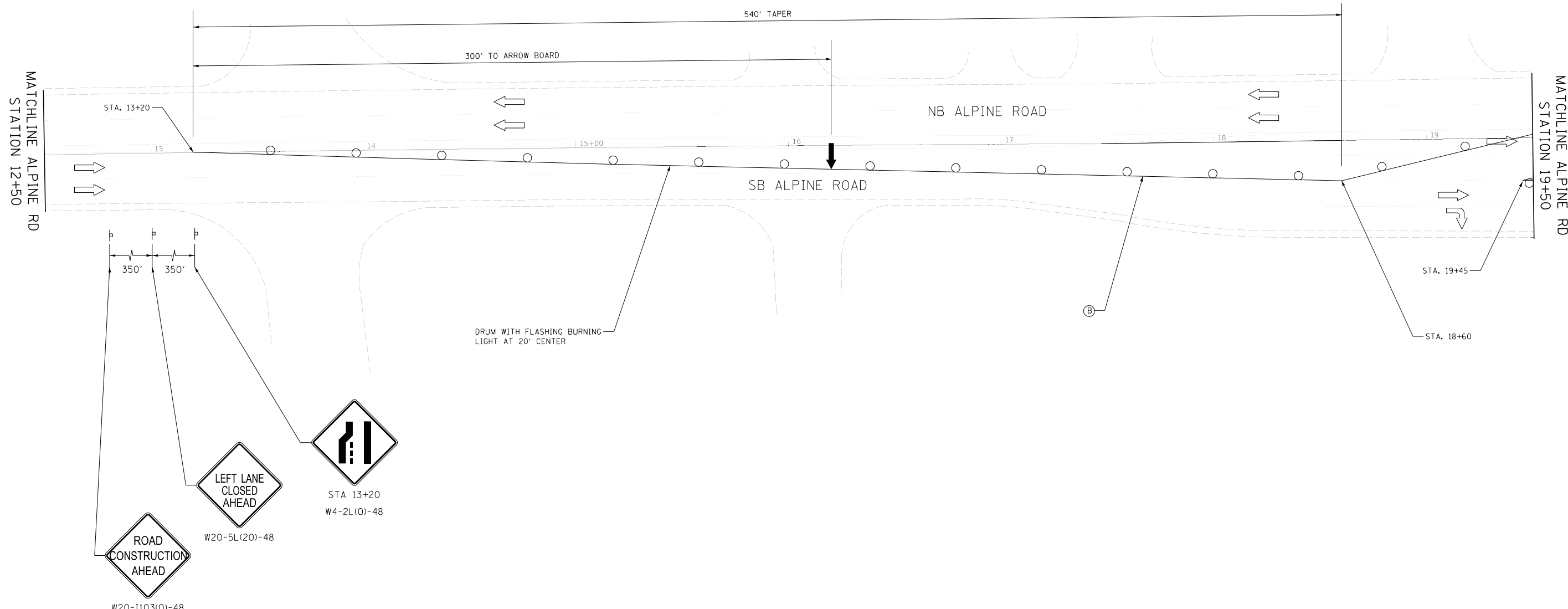
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DBS
DB STERLIN CONSULTANTS, INC.
100 N. WILCOX DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1000 FAX. (312)857-1055

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	DATE -	REVISED -

LEGEND

-  - WORK ZONE
-  - TEMPORARY PAVEMENT MARKING
-  - DRUMS
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - TRAFFIC DIRECTION
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
-  - PAVEMENT MARKING BLACKOUT TAPE, 5"
-  - TEMPORARY TRAFFIC SIGN



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PLOT DATE = 3/27/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

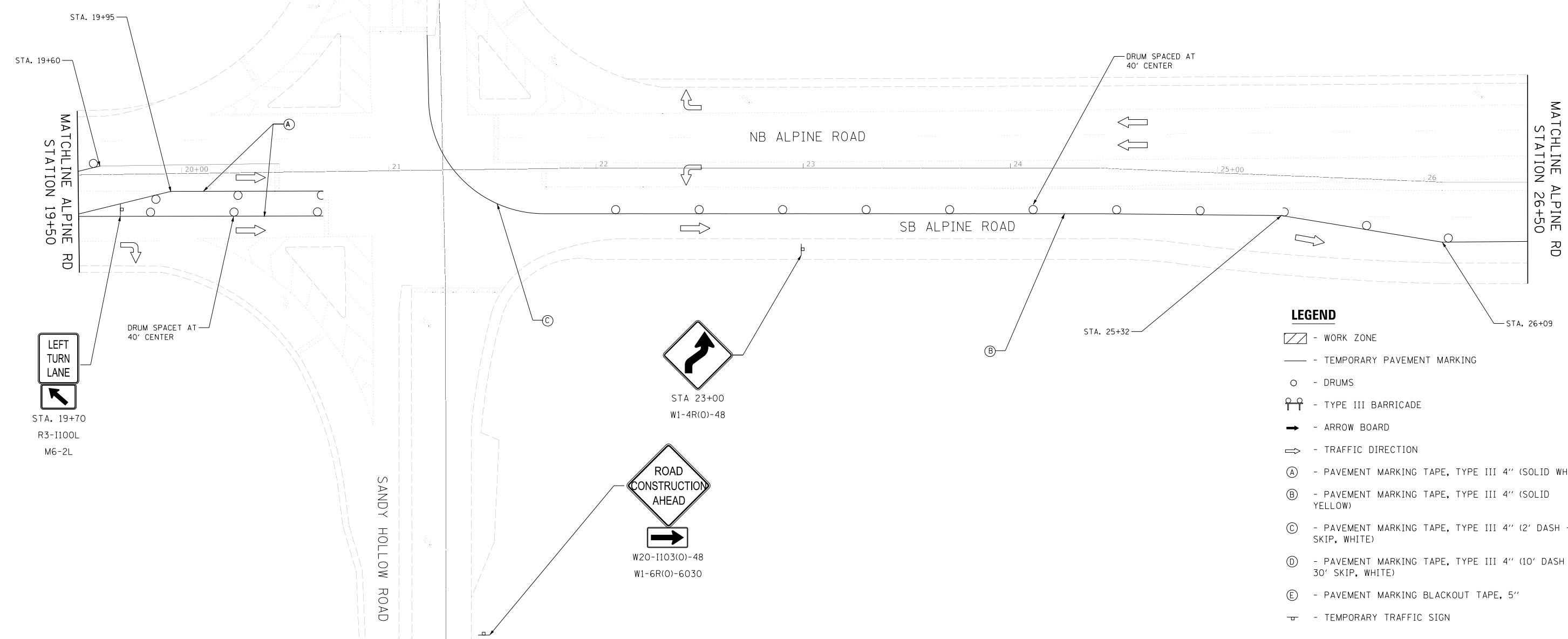
**MAINTENANCE OF TRAFFIC PLAN
STAGE 1**

SHEET 1 OF 5 SHEETS STA. 12+50 TO STA. 19+50

F.A.P. RTE. 412	SECTION D2 BJR 2018-5	COUNTY WINNEBAGO	TOTAL SHEETS 53	SHEET NO. 6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	



W20-I103(O)-48
W1-6L(O)-6030



- LEGEND**
- WORK ZONE
 - TEMPORARY PAVEMENT MARKING
 - DRUMS
 - TYPE III BARRICADE
 - ARROW BOARD
 - TRAFFIC DIRECTION
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
 - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
 - PAVEMENT MARKING BLACKOUT TAPE, 5"
 - TEMPORARY TRAFFIC SIGN

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PLOT DATE = 3/27/2018	DATE -	REVISED -













**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

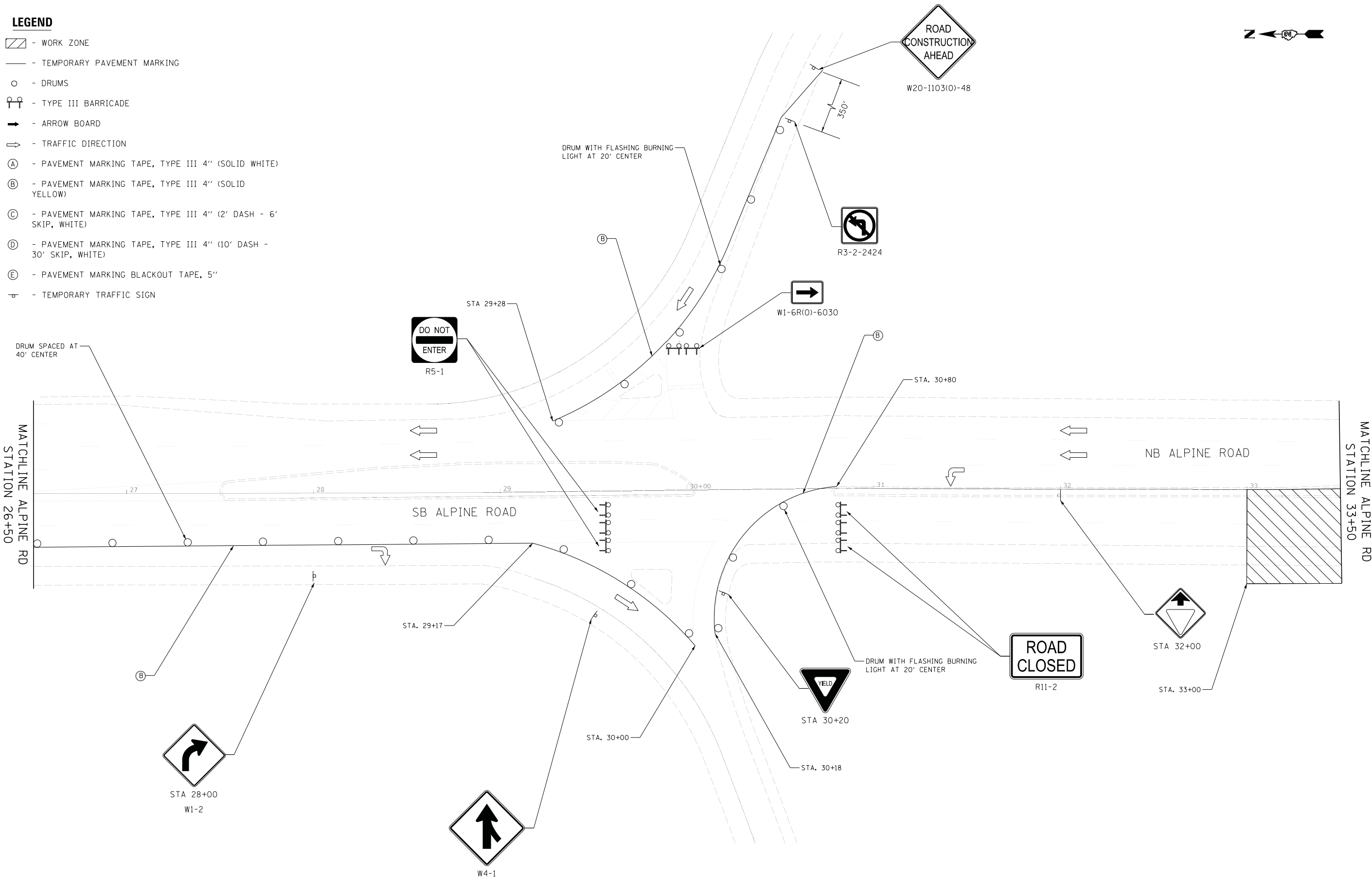
**MAINTENANCE OF TRAFFIC PLAN
STAGE 1**

SHEET 2 OF 5 SHEETS STA. 19+50 TO STA. 26+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	7
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				

LEGEND

-  - WORK ZONE
-  - TEMPORARY PAVEMENT MARKING
-  - DRUMS
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - TRAFFIC DIRECTION
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
-  - PAVEMENT MARKING BLACKOUT TAPE, 5"
-  - TEMPORARY TRAFFIC SIGN



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










STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

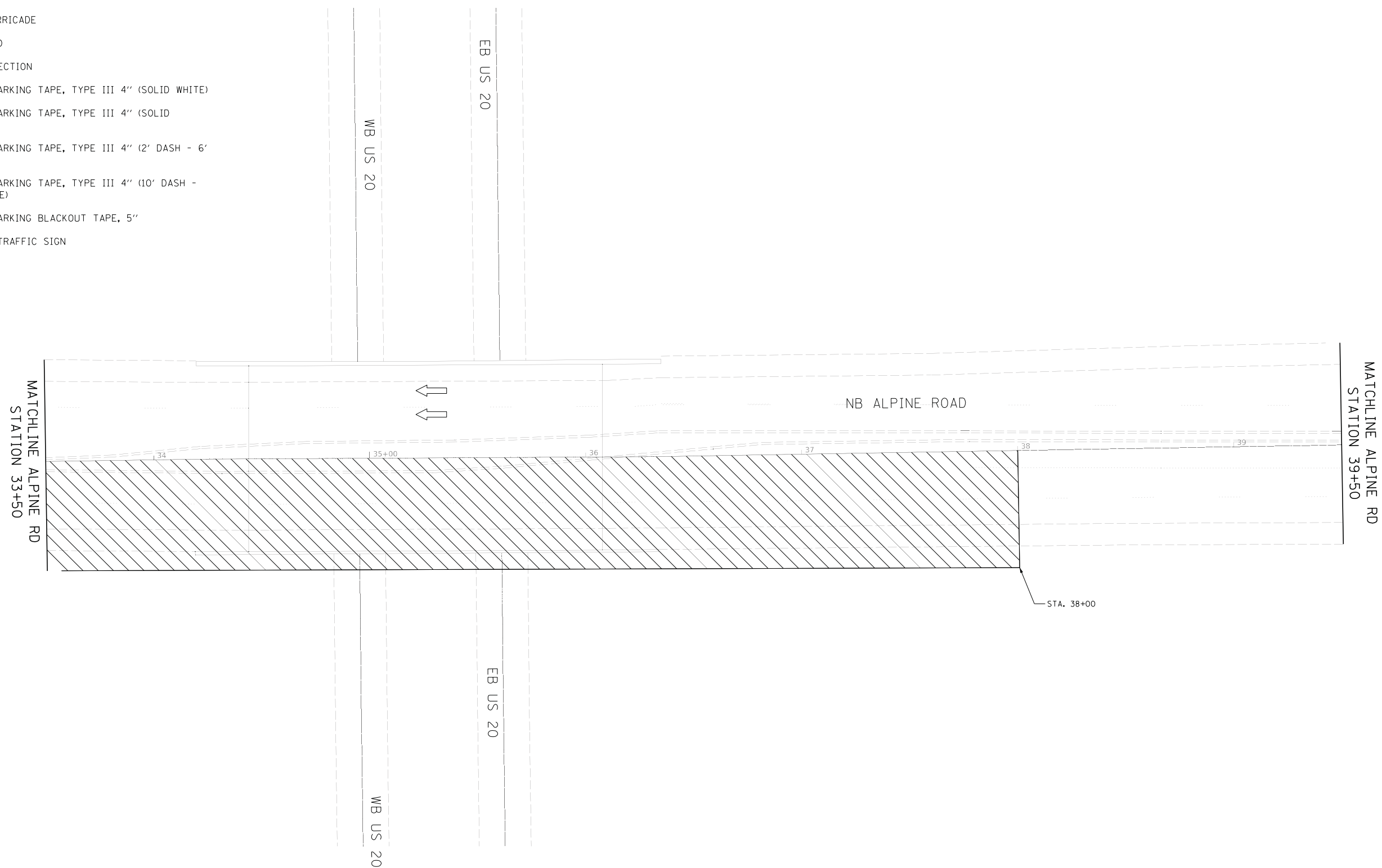
MAINTENANCE OF TRAFFIC PLAN STAGE 1		
SHEET 3	OF 5 SHEETS	STA. 26+50 TO STA. 33+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	8
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



LEGEND

-  - WORK ZONE
-  - TEMPORARY PAVEMENT MARKING
-  - DRUMS
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - TRAFFIC DIRECTION
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
-  - PAVEMENT MARKING BLACKOUT TAPE, 5"
-  - TEMPORARY TRAFFIC SIGN



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DB STERLIN CONSULTANTS, INC.
 100 N. WILCOX DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1055

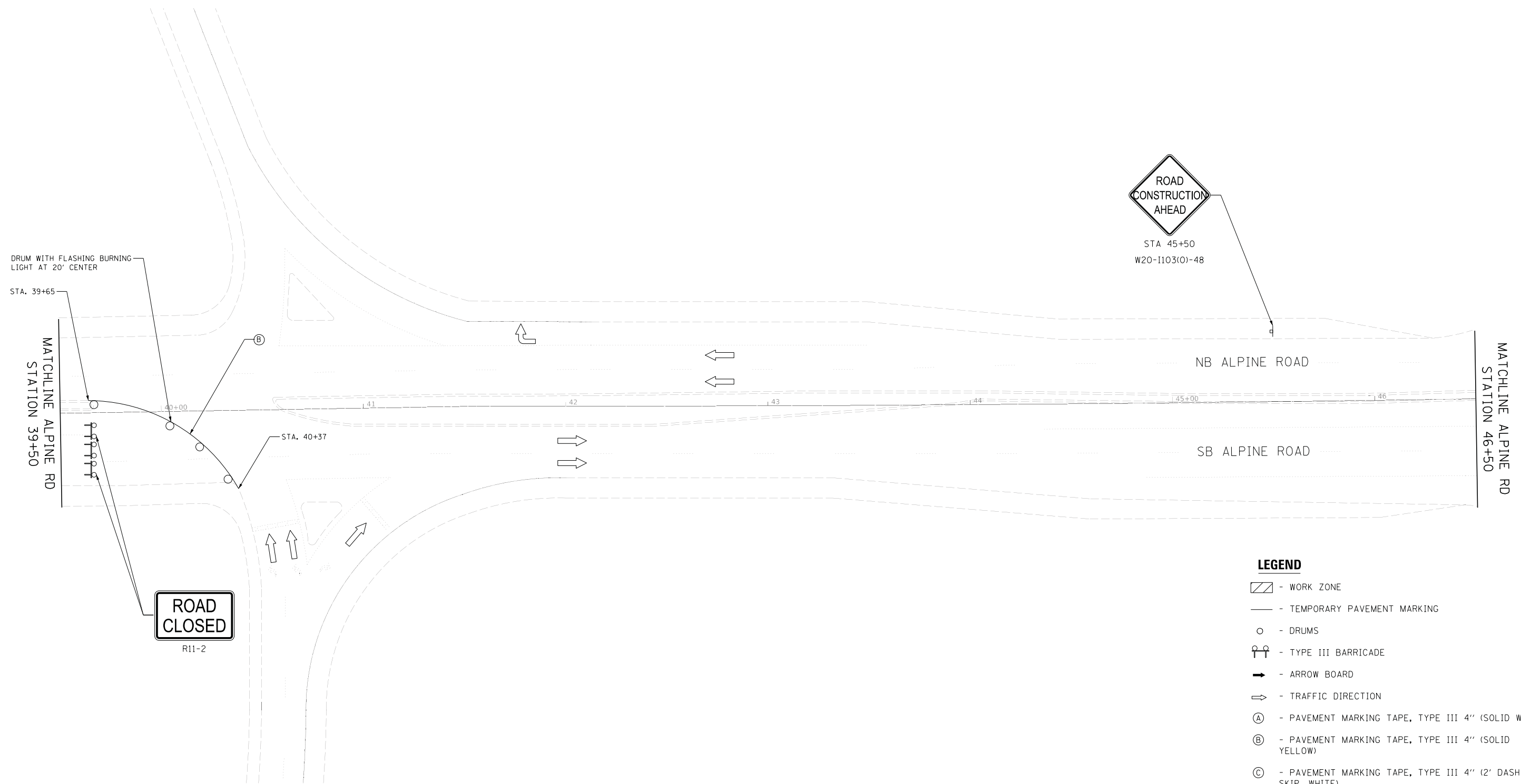
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PLOT DATE = 3/27/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
STAGE 1

SHEET 4 OF 5 SHEETS STA. 33+50 TO STA. 39+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT MARKING
- DRUMS
- TYPE III BARRICADE
- ARROW BOARD
- TRAFFIC DIRECTION
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
- PAVEMENT MARKING BLACKOUT TAPE, 5"
- TEMPORARY TRAFFIC SIGN

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USER NAME = JSpears	DESIGNED - JS	REVISED -
DRAWN - JS	REVISOR -	REVISIONS -
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PLOT DATE = 3/27/2018	DATE -	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
STAGE 1**

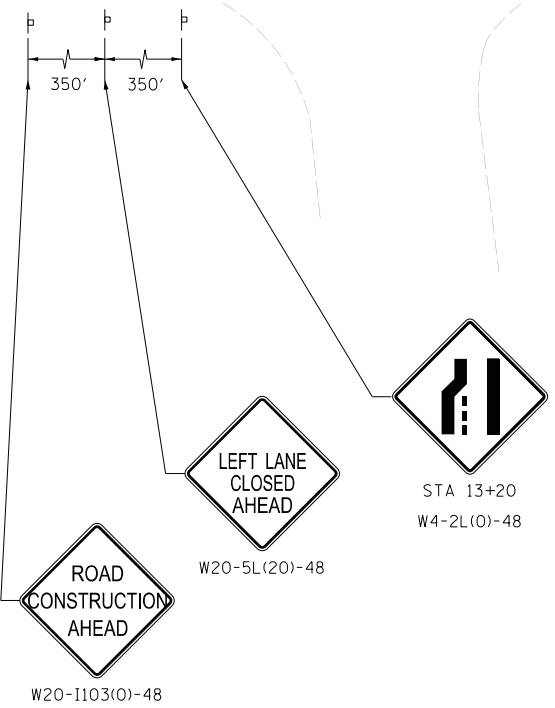
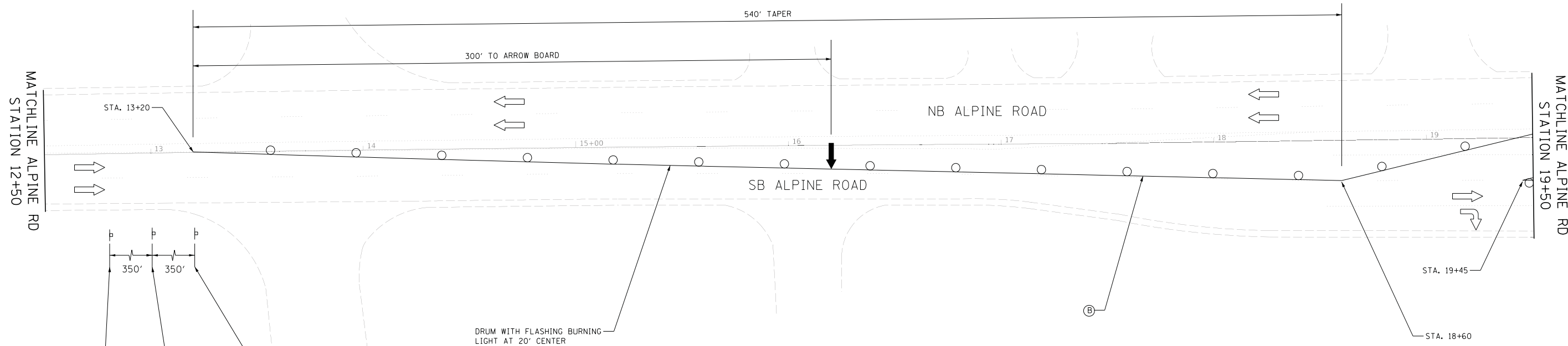
SHEET 5 OF 5 SHEETS STA. 39+50 TO STA. 46+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT MARKING
- DRUM
- TYPE III BARRICADE
- ARROW BOARD
- TRAFFIC DIRECTION
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
- PAVEMENT MARKING BLACKOUT TAPE, 5"
- TEMPORARY TRAFFIC SIGN



DRUM WITH FLASHING BURNING LIGHT AT 20' CENTER

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

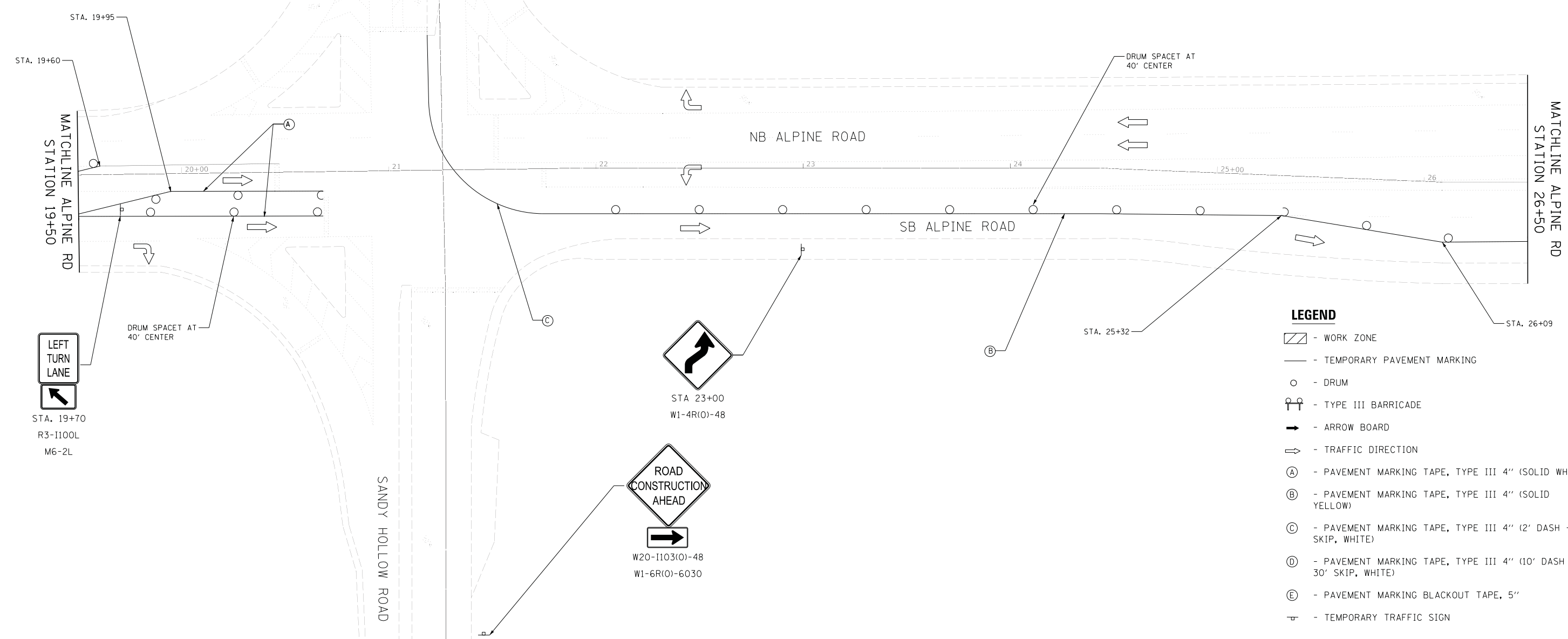
**MAINTENANCE OF TRAFFIC PLAN
STAGE 1A**

SHEET 1 OF 5 SHEETS STA. 12+50 TO STA. 19+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	11
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



W20-I103(O)-48
W1-6L(O)-6030



- LEGEND**
- WORK ZONE
 - TEMPORARY PAVEMENT MARKING
 - DRUM
 - TYPE III BARRICADE
 - ARROW BOARD
 - TRAFFIC DIRECTION
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
 - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
 - PAVEMENT MARKING BLACKOUT TAPE, 5"
 - TEMPORARY TRAFFIC SIGN



STA 23+00
W1-4R(O)-48



W20-I103(O)-48
W1-6R(O)-6030



STA. 19+70
R3-I100L
M6-2L

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USER NAME = JSpears	DESIGNED - JS	REVISED -
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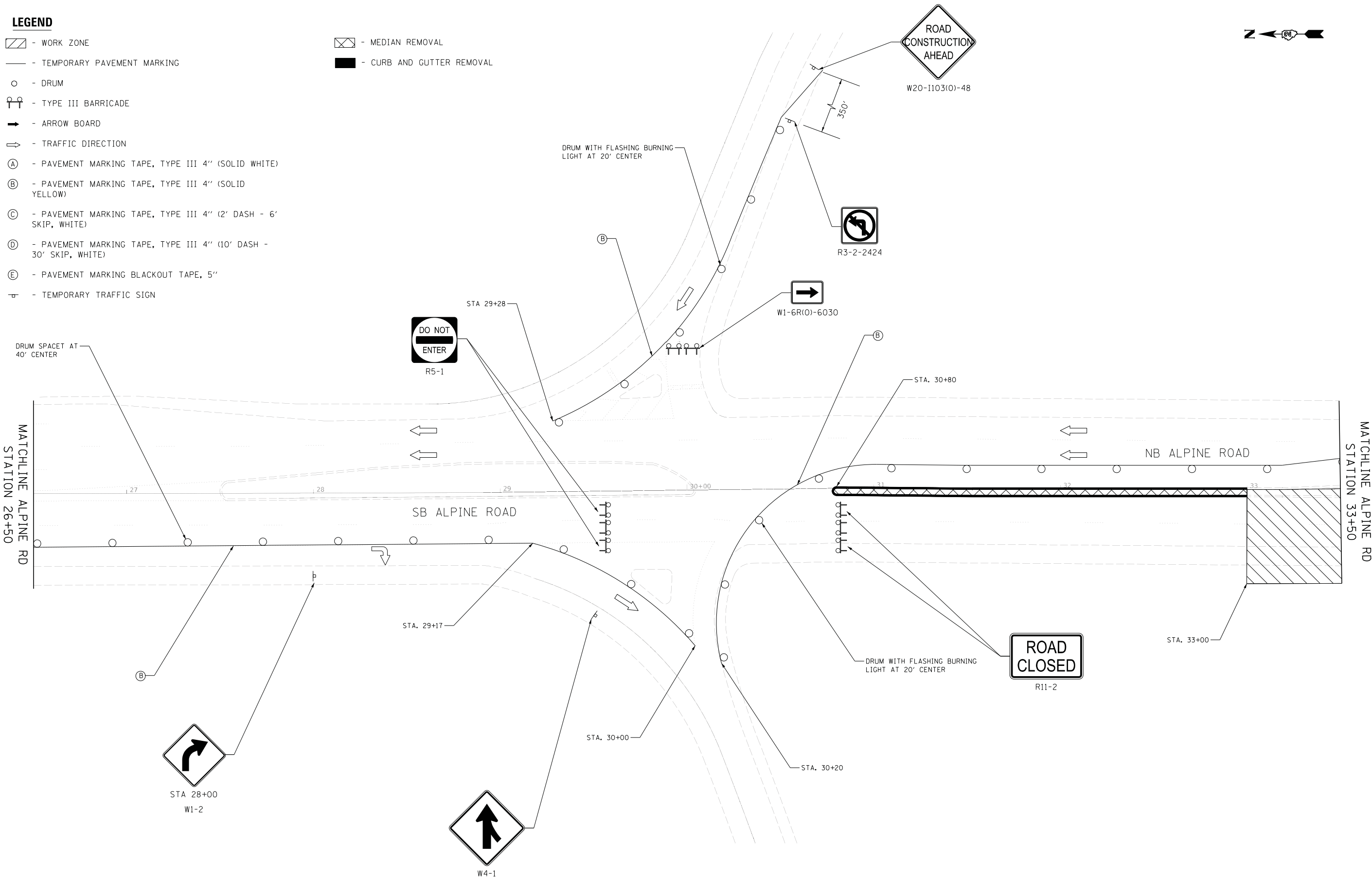
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN STAGE 1A		
SHEET 2	OF 5 SHEETS	STA. 19+50 TO STA. 26+50

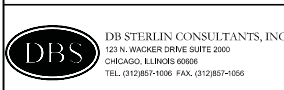
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412	D2 BJR 2018-5	WINNEBAGO	53	12
			CONTRACT NO. 64M66	
		ILLINOIS	FED. AID PROJECT	

LEGEND

-  - WORK ZONE
-  - TEMPORARY PAVEMENT MARKING
-  - DRUM
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - TRAFFIC DIRECTION
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
-  - PAVEMENT MARKING BLACKOUT TAPE, 5"
-  - TEMPORARY TRAFFIC SIGN
-  - MEDIAN REMOVAL
-  - CURB AND GUTTER REMOVAL



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USER NAME = JSpears	DESIGNED - JS	REVISED -
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PLOT DATE = 3/27/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

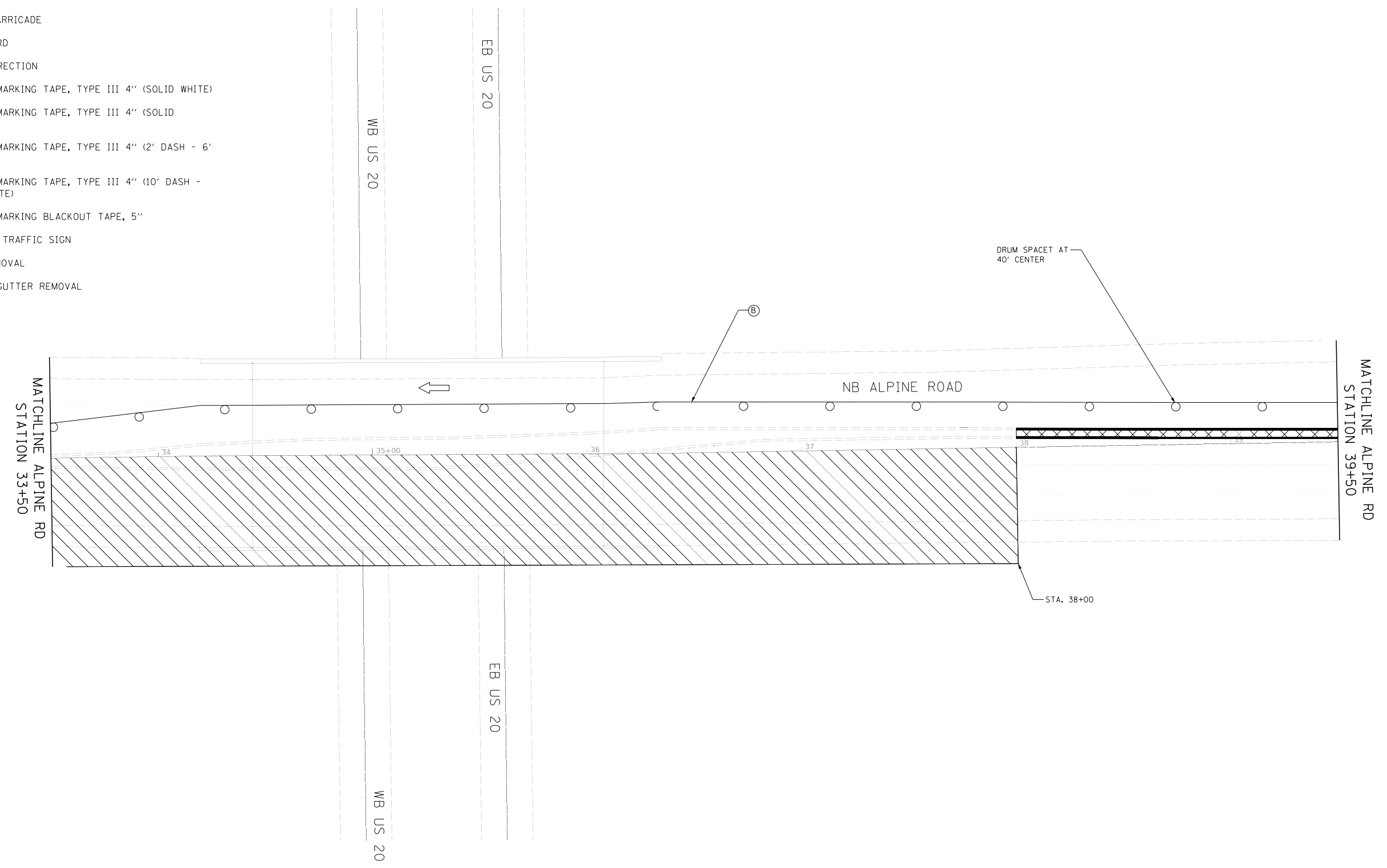
MAINTENANCE OF TRAFFIC PLAN
STAGE 1A
 SHEET 3 OF 5 SHEETS STA. 26+50 TO STA. 33+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	13
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT MARKING
- DRUM
- TYPE III BARRICADE
- ARROW BOARD
- TRAFFIC DIRECTION
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
- PAVEMENT MARKING BLACKOUT TAPE, 5"
- TEMPORARY TRAFFIC SIGN
- MEDIAN REMOVAL
- CURB AND GUTTER REMOVAL



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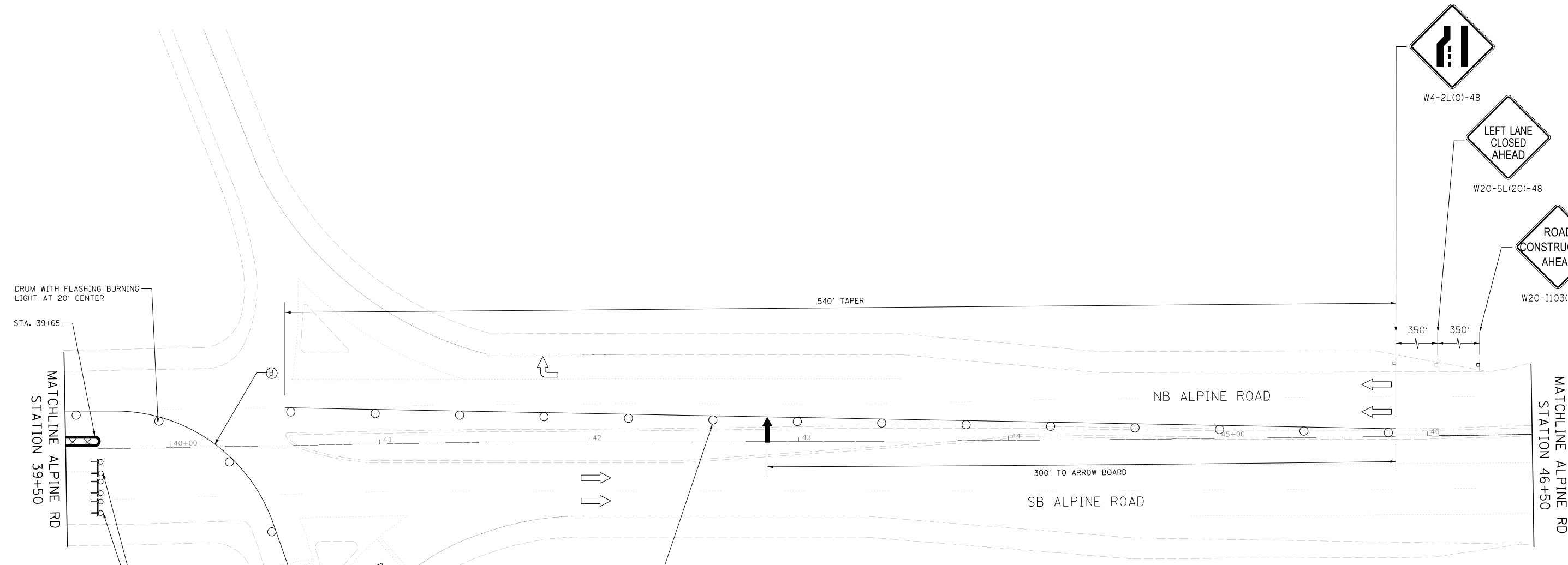
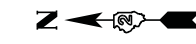
DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL: (312)857-1000 FAX: (312)857-1055

USER NAME = JSpears	DESIGNED - JS	REVISED -
DRAWN - JS	REVISIONS -	
PLOT SCALE = 50.0000' / in.	CHECKED - MM	REVISIONS -
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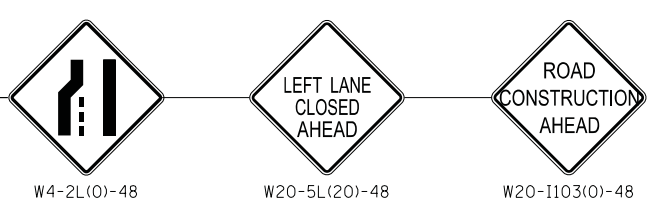
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN		
STAGE 1A		
SHEET 4	OF 5 SHEETS	STA. 33+50 TO STA. 39+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	14
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK ZONE
 - TEMPORARY PAVEMENT MARKING
 - DRUM
 - TYPE III BARRICADE
 - ARROW BOARD
 - TRAFFIC DIRECTION
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
 - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
 - PAVEMENT MARKING BLACKOUT TAPE, 5"
 - MEDIAN REMOVAL
 - CURB AND GUTTER REMOVAL
 - TEMPORARY TRAFFIC SIGN



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






STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

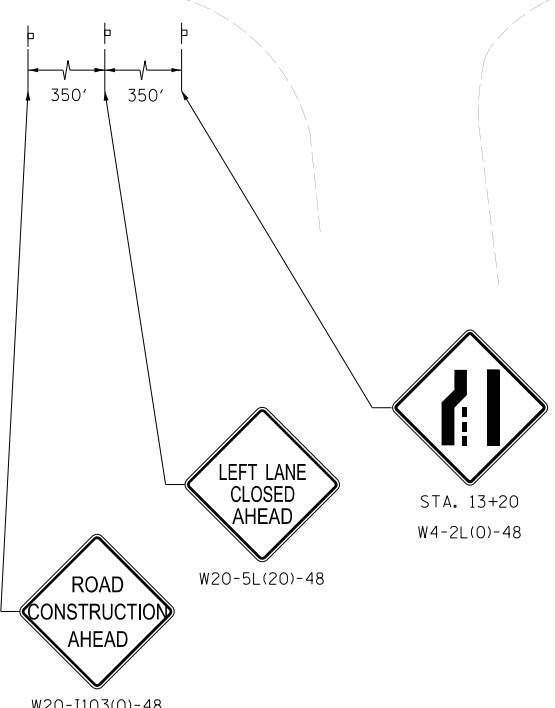
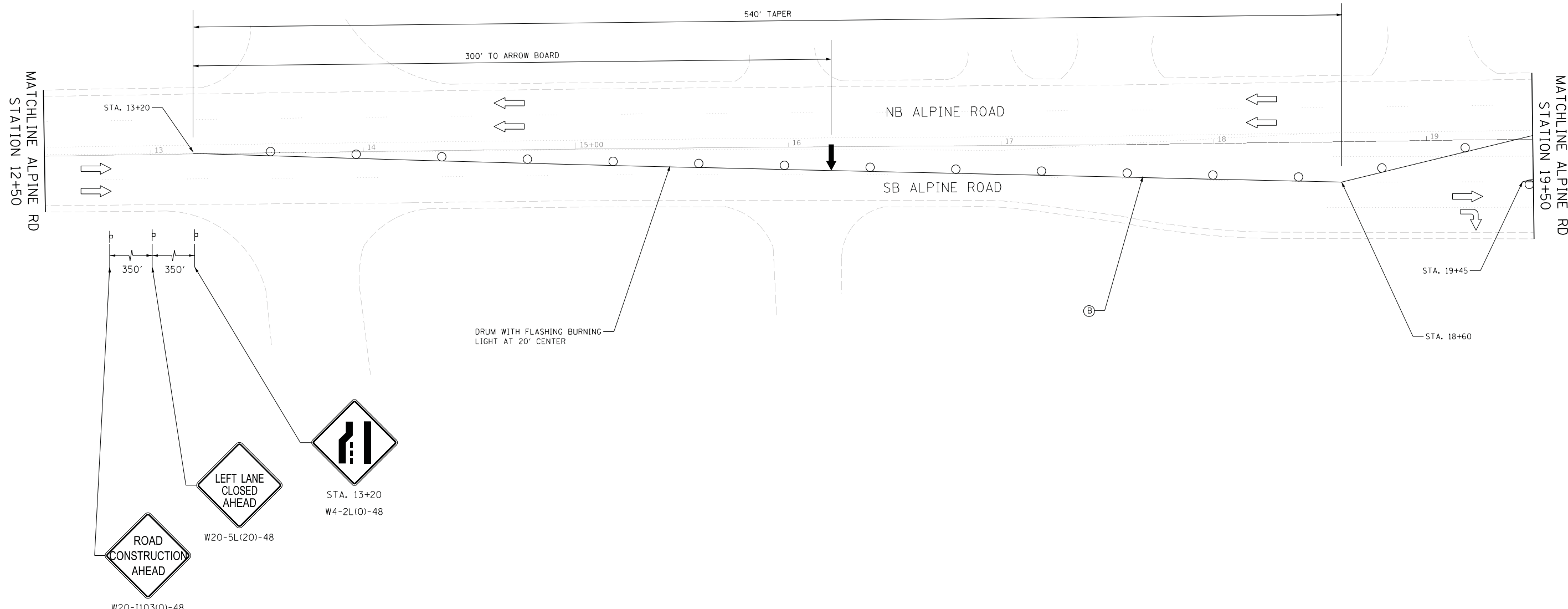
MAINTENANCE OF TRAFFIC PLAN
STAGE 1A

SHEET 5 OF 5 SHEETS STA. 39+50 TO STA. 46+50

F.A.P. RTE. 412	SECTION D2 BJR 2018-5	COUNTY WINNEBAGO	TOTAL SHEETS 53	SHEET NO. 15
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				

LEGEND

-  - WORK ZONE
-  - TEMPORARY PAVEMENT MARKING
-  - DRUM
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - TRAFFIC DIRECTION
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
-  - PAVEMENT MARKING BLACKOUT TAPE, 5"
-  - TEMPORARY TRAFFIC SIGN



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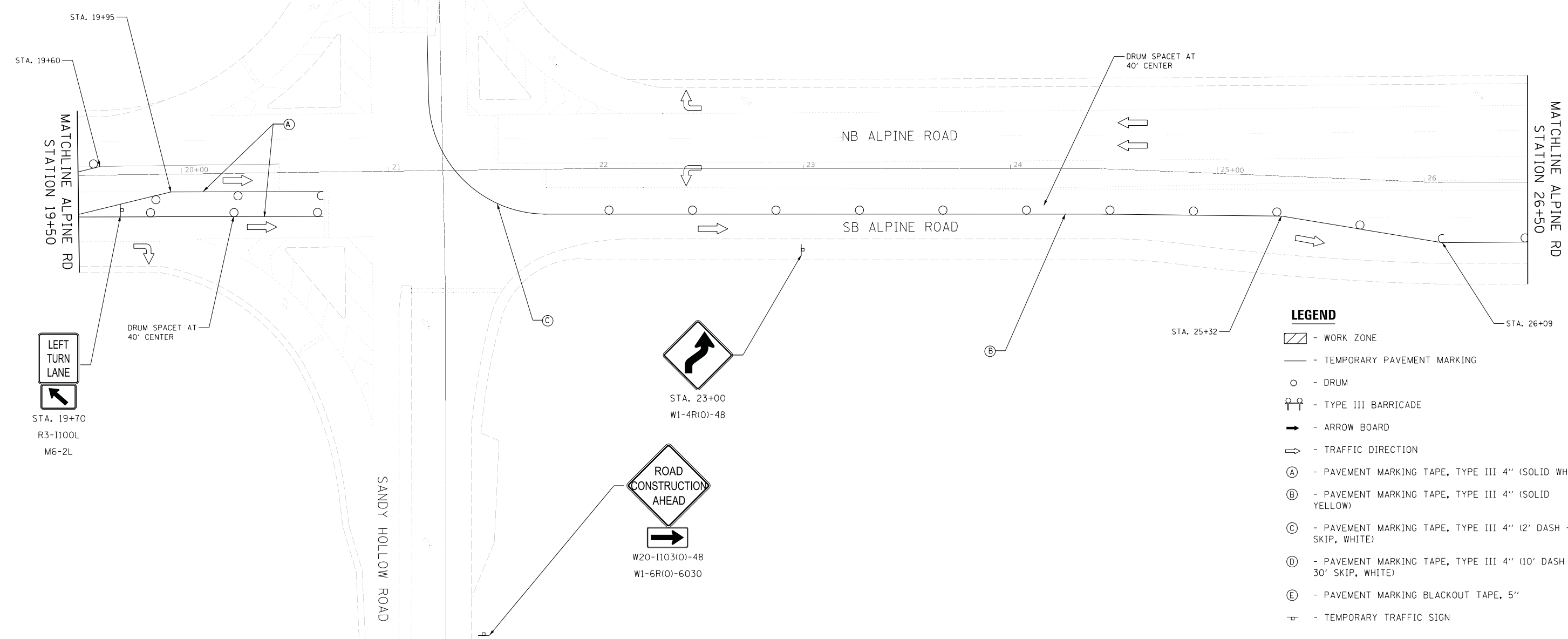
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PLOT SCALE = 50.0000 ' / in.	DATE -	REVISED -
PLOT DATE = 3/27/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
STAGE 2**

SHEET 1 OF 5 SHEETS STA. 12+50 TO STA. 19+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	16
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK ZONE
 - TEMPORARY PAVEMENT MARKING
 - DRUM
 - TYPE III BARRICADE
 - ARROW BOARD
 - TRAFFIC DIRECTION
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
 - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
 - PAVEMENT MARKING BLACKOUT TAPE, 5"
 - TEMPORARY TRAFFIC SIGN

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DB STERLIN CONSULTANTS, INC.
 100 N. WILCOX DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1056

USER NAME = JSpears	DESIGNED - JS	REVISED -
	DRAWN - JS	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - MM	REVISED -
PLOT DATE = 3/27/2018	DATE -	REVISED -














**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

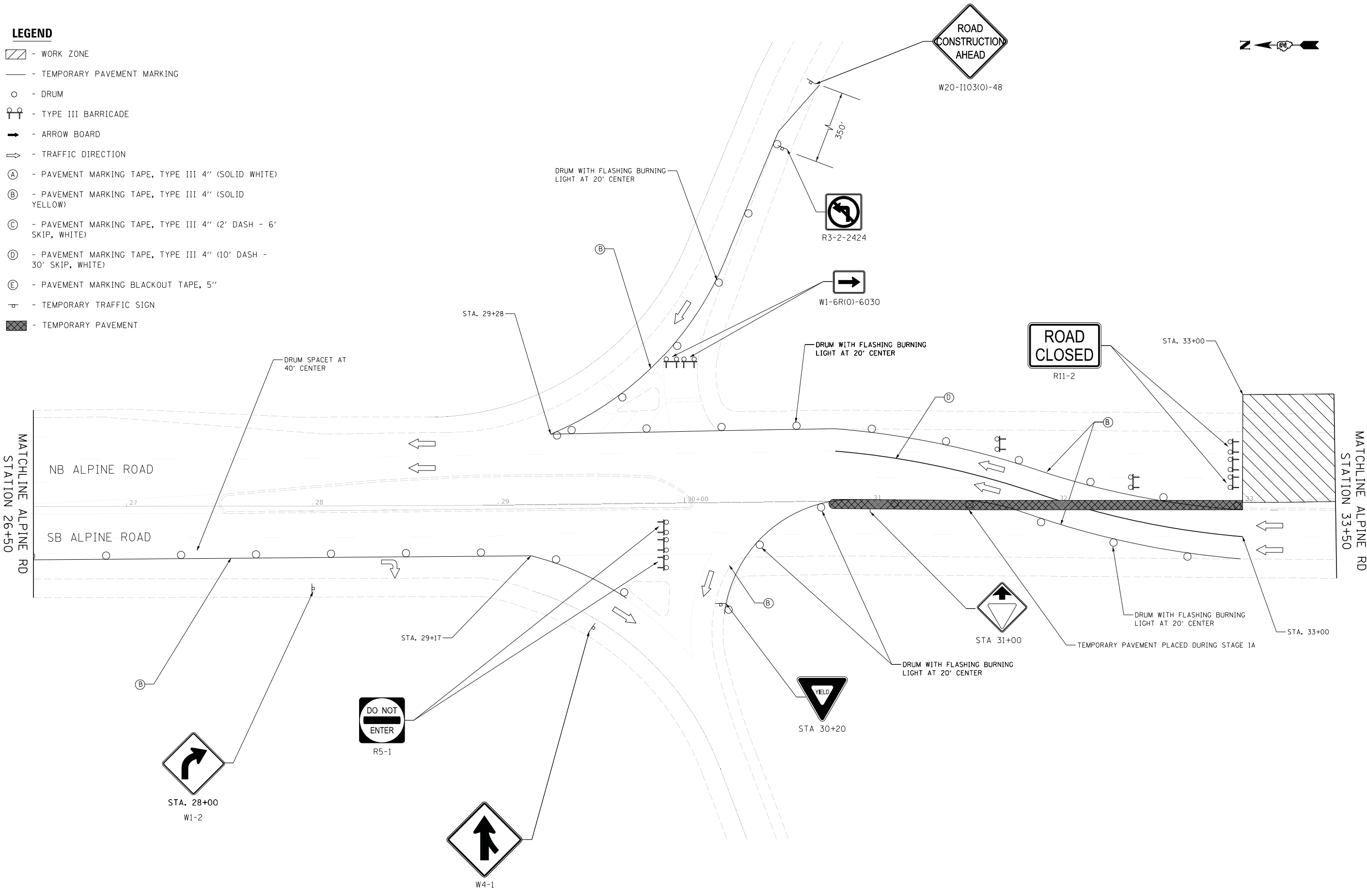
**MAINTENANCE OF TRAFFIC PLAN
STAGE 2**

SHEET 2 OF 5 SHEETS STA. 19+50 TO STA. 26+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	17
CONTRACT NO. 64M66			ILLINOIS FED. AID PROJECT	

LEGEND

-  - WORK ZONE
-  - TEMPORARY PAVEMENT MARKING
-  - DRUM
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - TRAFFIC DIRECTION
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
-  - PAVEMENT MARKING BLACKOUT TAPE, 5"
-  - TEMPORARY TRAFFIC SIGN
-  - TEMPORARY PAVEMENT



MODEL: D:\d4\11
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DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL: (312)857-1000 FAX: (312)857-1056

USER NAME = JSpears	DESIGNED - JS	REVISED -
DRAWN - JS	REVISOR -	
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PLOT DATE = 3/27/2018	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

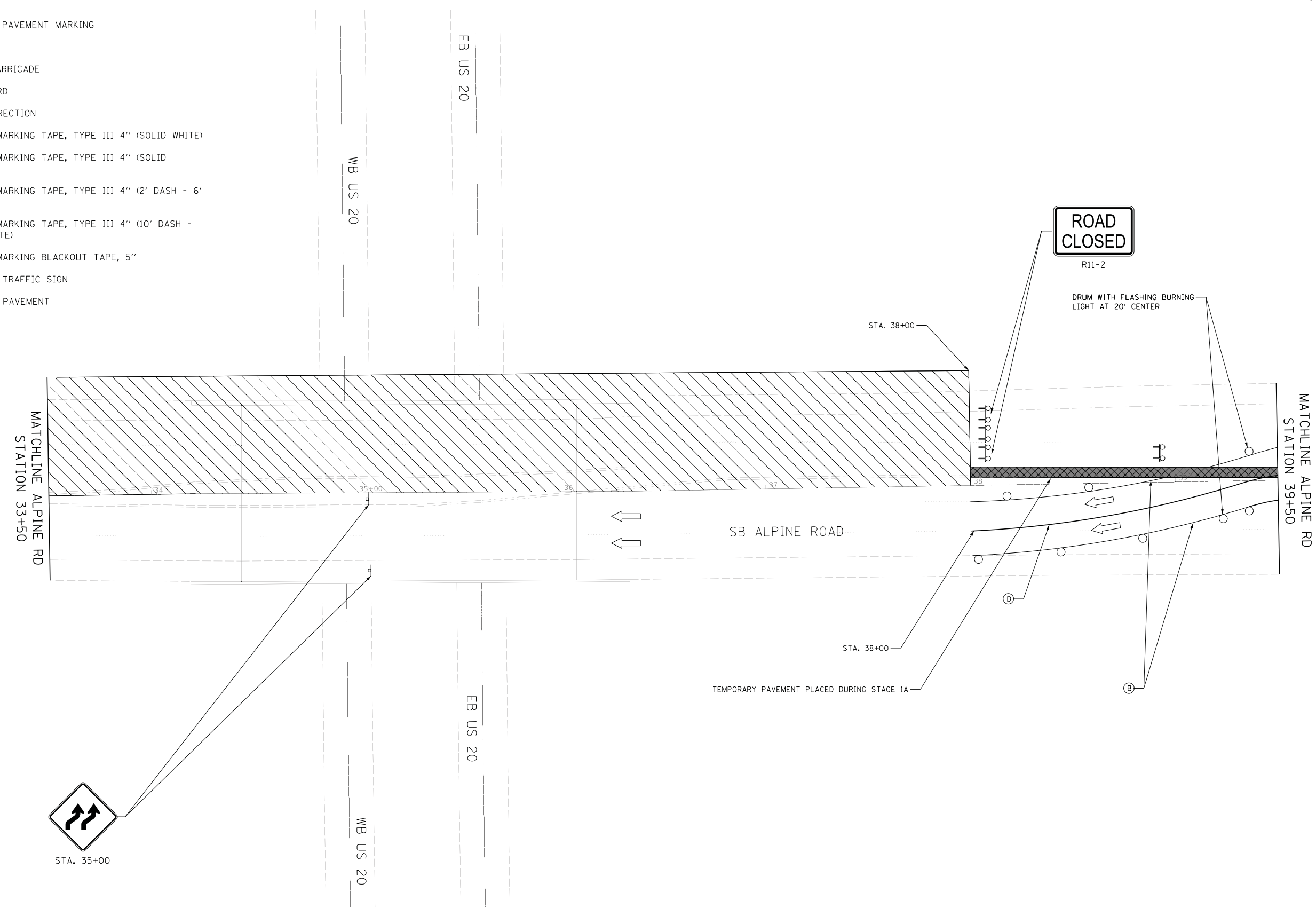
MAINTENANCE OF TRAFFIC PLAN STAGE 2		
SHEET 3	OF 5 SHEETS	STA. 26+50 TO STA. 33+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	18
CONTRACT NO. 64M66			ILLINOIS FED. AID PROJECT	



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT MARKING
- DRUM
- TYPE III BARRICADE
- ARROW BOARD
- TRAFFIC DIRECTION
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
- PAVEMENT MARKING BLACKOUT TAPE, 5"
- TEMPORARY TRAFFIC SIGN
- TEMPORARY PAVEMENT



MODEL: D:\d4\11...
 FILE NAME: P:\03535.000\535.05 Alpine Road\CADD_Sheets\0353505-shc-MOT2.dgn

DBS
 DB STERLIN CONSULTANTS, INC.
 100 N. WILCOX DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1056

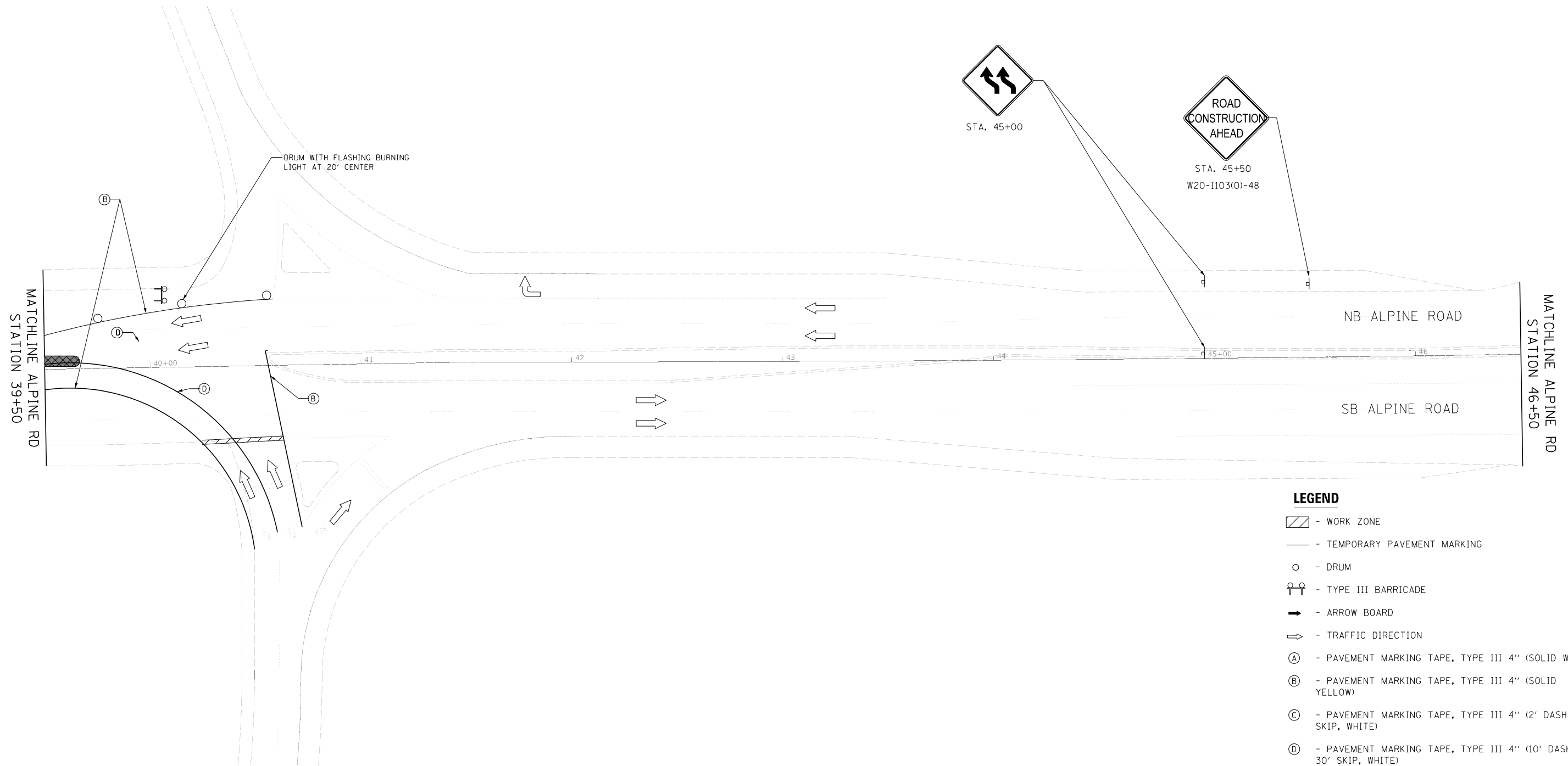
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DRAWN - JS	CHECKED - MM	REVISED -
PLOT SCALE = 50.0000 ' / in.	DATE -	REVISED -
PLOT DATE = 3/27/2018		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
 STAGE 2**

F.A.P. RTE. 412	SECTION D2 BJR 2018-5	COUNTY WINNEBAGO	TOTAL SHEETS 53	SHEET NO. 19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	

SHEET 4 OF 5 SHEETS STA. 33+50 TO STA. 39+50



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT MARKING
- DRUM
- TYPE III BARRICADE
- ARROW BOARD
- TRAFFIC DIRECTION
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
- PAVEMENT MARKING BLACKOUT TAPE, 5"
- TEMPORARY TRAFFIC SIGN
- TEMPORARY PAVEMENT

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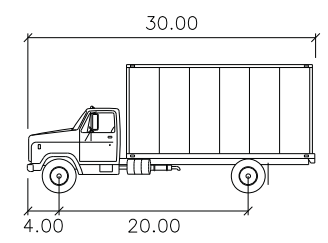
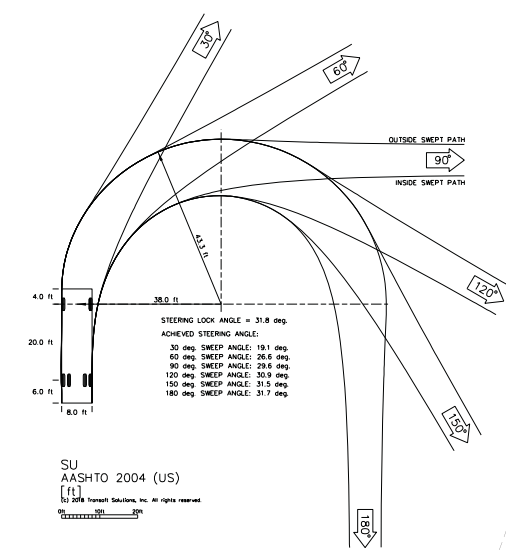
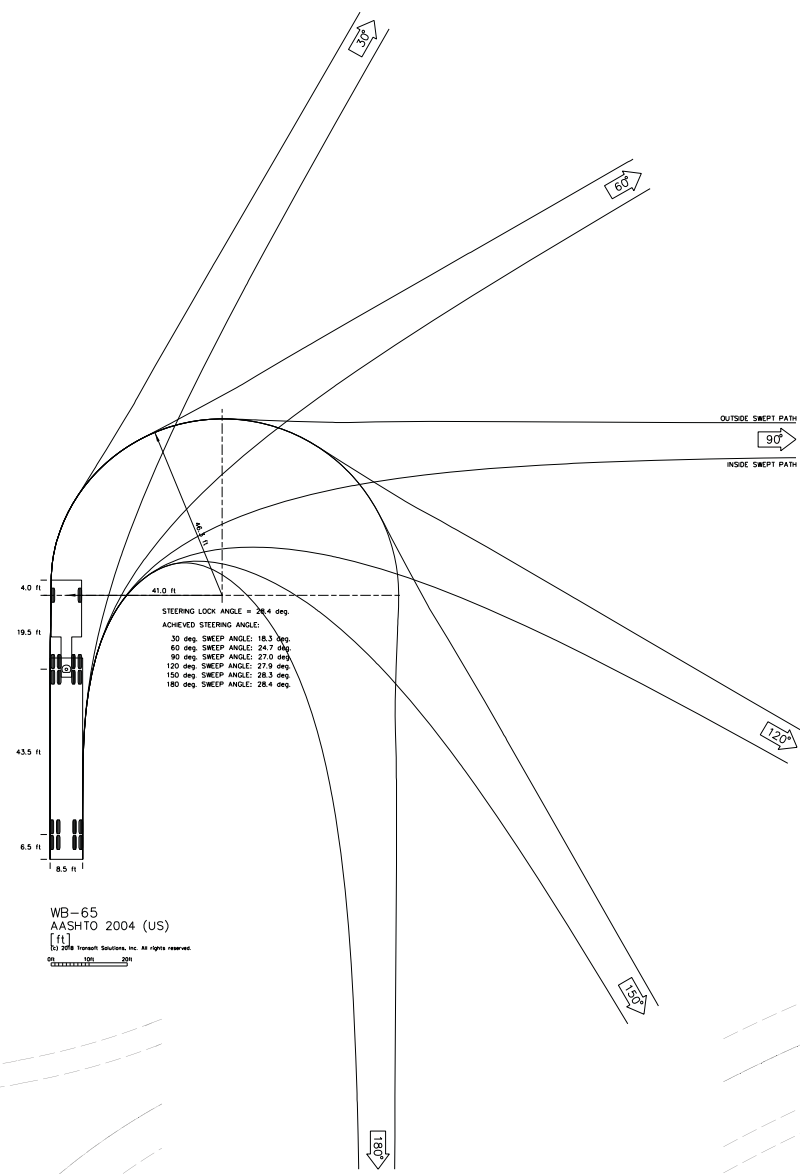
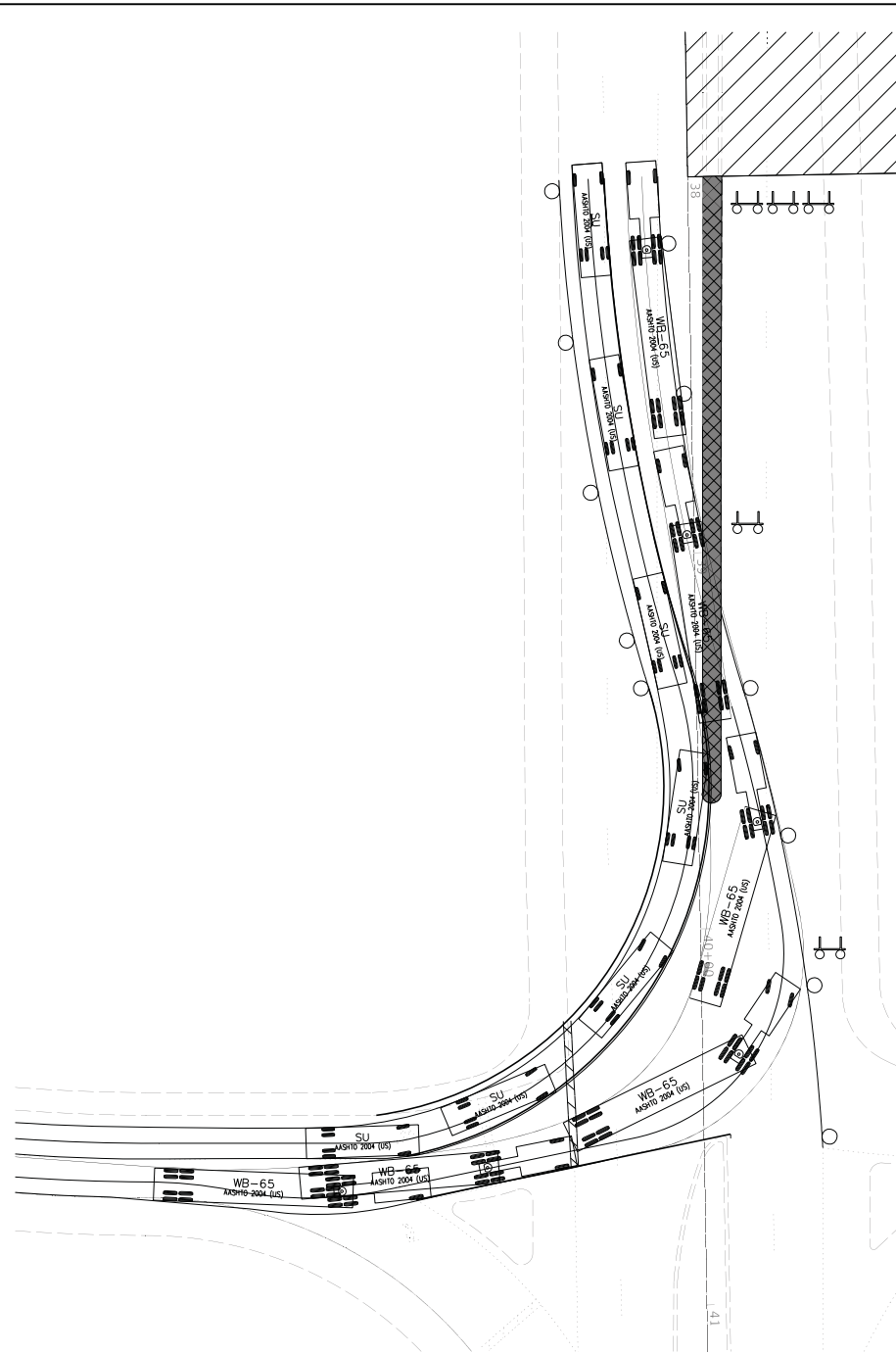


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	DRAWN - JS	REVISED -
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PLOT DATE = 3/27/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

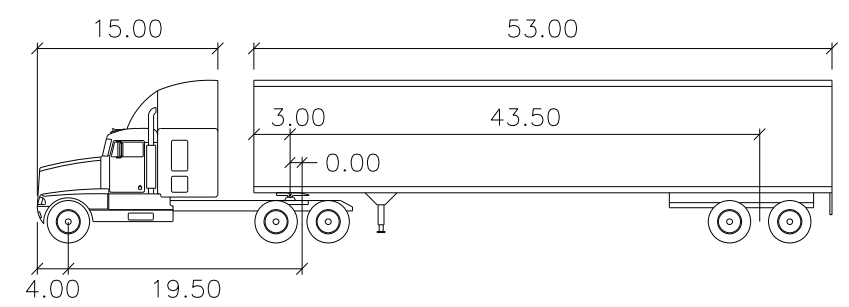
MAINTENANCE OF TRAFFIC PLAN STAGE 2		
SHEET 5	OF 5 SHEETS	TO STA. 46+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	



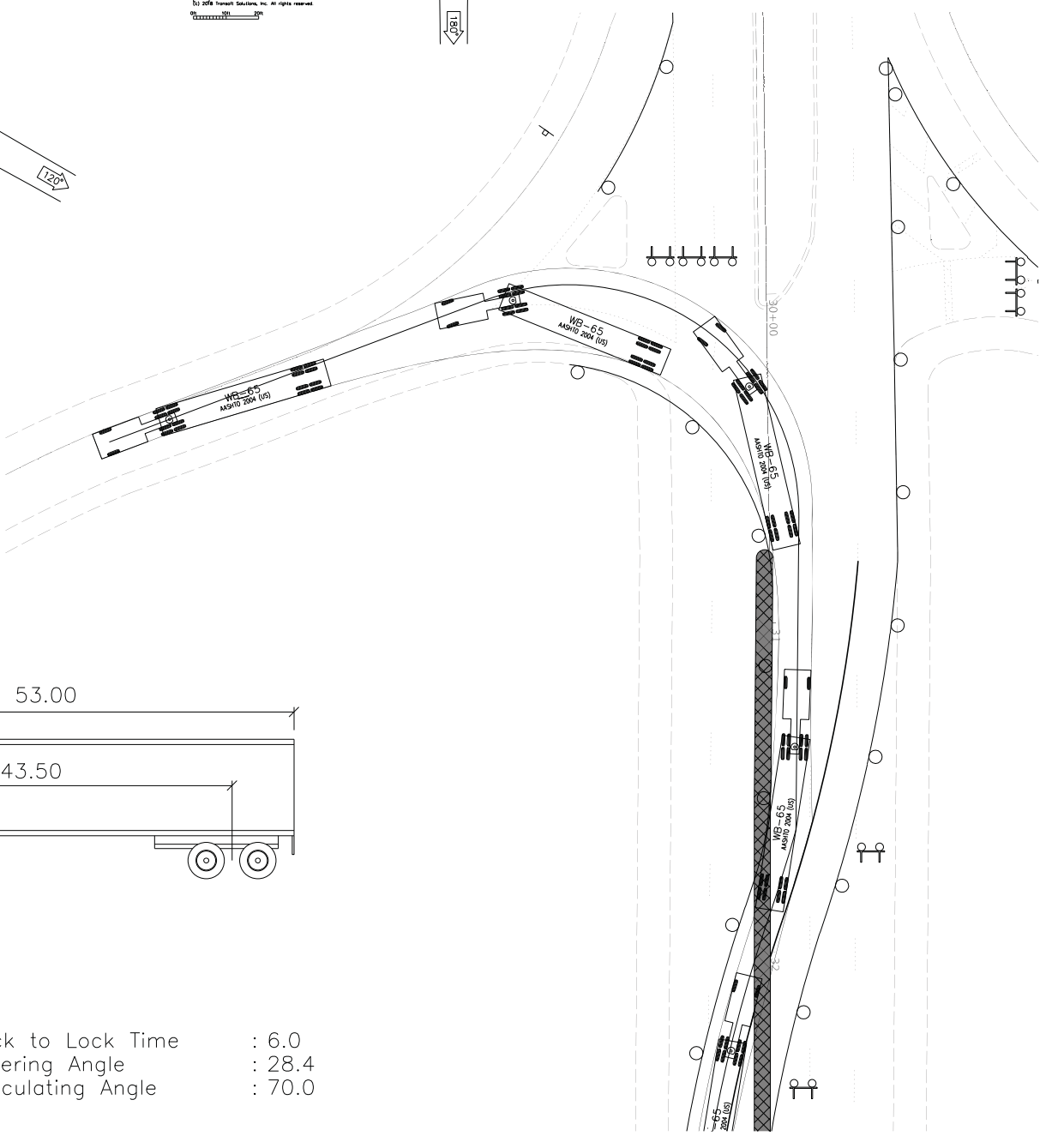
SU

Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 31.8



WB-65

Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		



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USER NAME = JSpears	DESIGNED - JS	REVISED -
PLOT SCALE = 50.0000 ' / in.	DRAWN - JS	REVISED -
PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION













STAGE 2 TURNING RADIUS

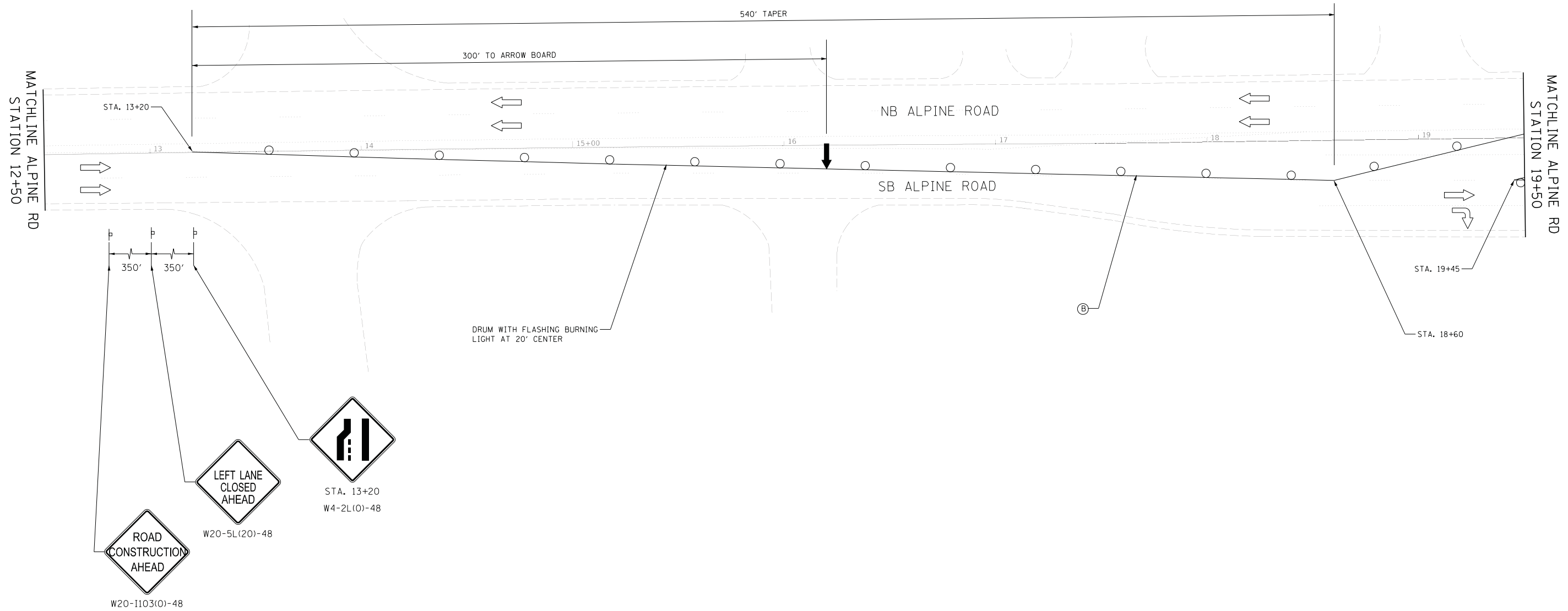
SHEET 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	21
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



LEGEND

-  - WORK ZONE
-  - TEMPORARY PAVEMENT MARKING
-  - DRUM
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - TRAFFIC DIRECTION
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
-  - PAVEMENT MARKING BLACKOUT TAPE, 5"
-  - TEMPORARY TRAFFIC SIGN



MODEL: D:\dgn\...
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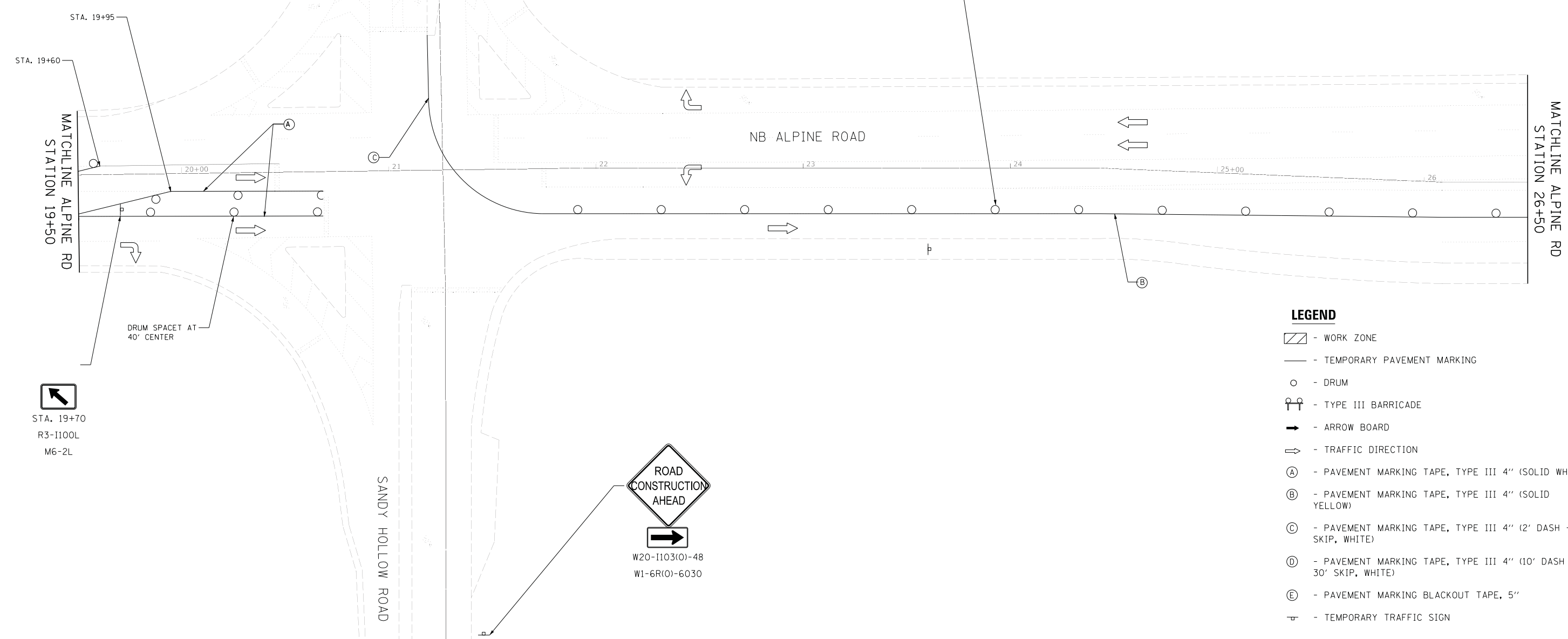
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PLOT SCALE = 50.0000' / in.	CHECKED - MM	REVISED -
PLOT DATE = 3/27/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	22
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



W20-I103(O)-48
W1-6L(O)-6030



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT MARKING
- DRUM
- TYPE III BARRICADE
- ARROW BOARD
- TRAFFIC DIRECTION
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
- PAVEMENT MARKING BLACKOUT TAPE, 5"
- TEMPORARY TRAFFIC SIGN

STA. 19+70
R3-I100L
M6-2L



W20-I103(O)-48
W1-6R(O)-6030

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








USER NAME = JSpears	DESIGNED - JS	REVISED -
	DRAWN - JS	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - MM	REVISED -
PLOT DATE = 3/27/2018	DATE -	REVISED -

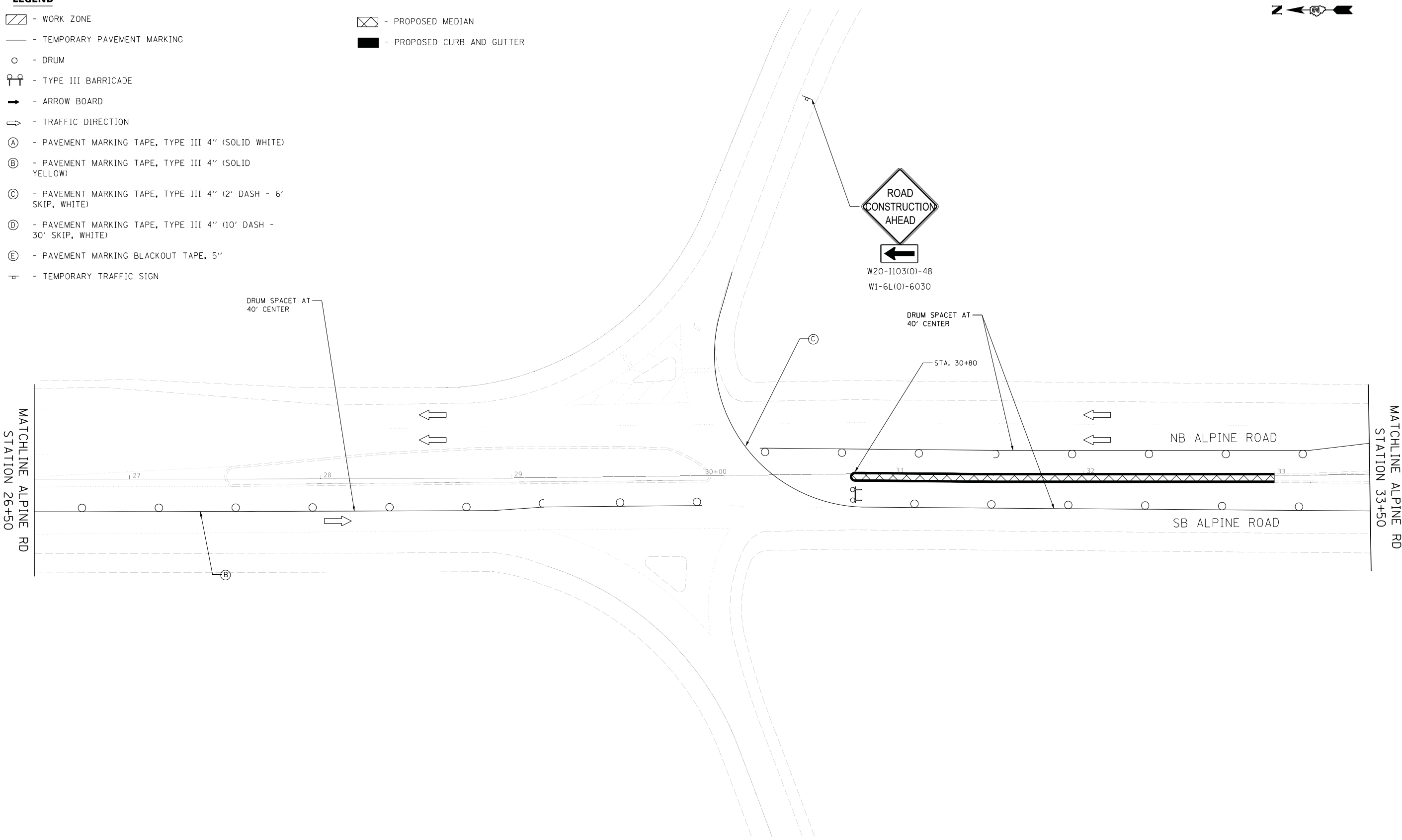
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN STAGE 2A	
SHEET 1	OF 4 SHEETS
STA. 19+50	TO STA. 26+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	23
CONTRACT NO. 64M66				
ILLINOIS		FED. AID PROJECT		

LEGEND

-  - WORK ZONE
-  - TEMPORARY PAVEMENT MARKING
-  - DRUM
-  - TYPE III BARRICADE
-  - ARROW BOARD
-  - TRAFFIC DIRECTION
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
-  - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
-  - PAVEMENT MARKING BLACKOUT TAPE, 5"
-  - TEMPORARY TRAFFIC SIGN
-  - PROPOSED MEDIAN
-  - PROPOSED CURB AND GUTTER



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 DB STERLIN CONSULTANTS, INC. <small>100 N. WILCOX DRIVE SUITE 2000 CHICAGO, ILLINOIS 60606 TEL: (312)857-1000 FAX: (312)857-1056</small>	USER NAME = JSpears	DESIGNED - JS	REVISED -
		DRAWN - JS	REVISED -
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	PLOT DATE = 3/27/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

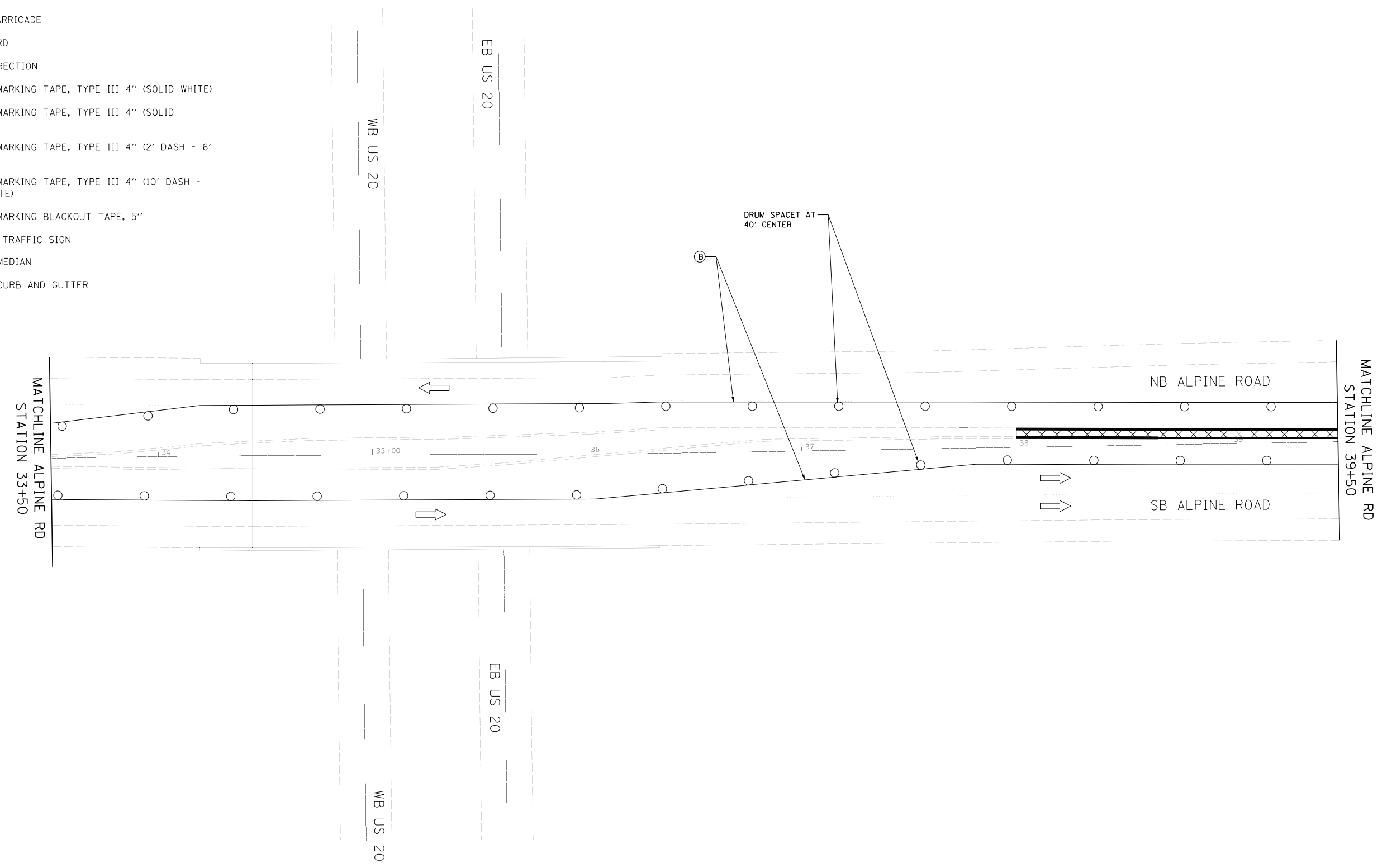
MAINTENANCE OF TRAFFIC PLAN
STAGE 2A
 SHEET 2 OF 4 SHEETS STA. 26+50 TO STA. 33+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	24
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT MARKING
- DRUM
- TYPE III BARRICADE
- ARROW BOARD
- TRAFFIC DIRECTION
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
- PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
- PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
- PAVEMENT MARKING BLACKOUT TAPE, 5"
- TEMPORARY TRAFFIC SIGN
- PROPOSED MEDIAN
- PROPOSED CURB AND GUTTER



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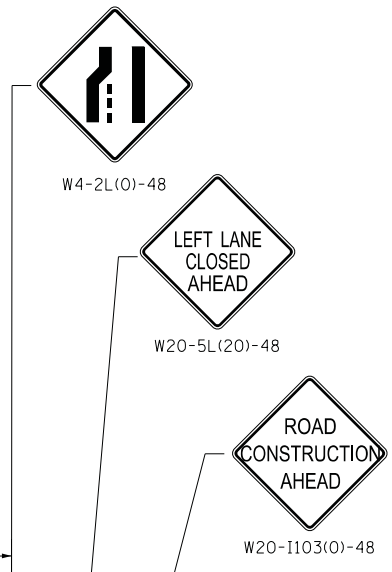
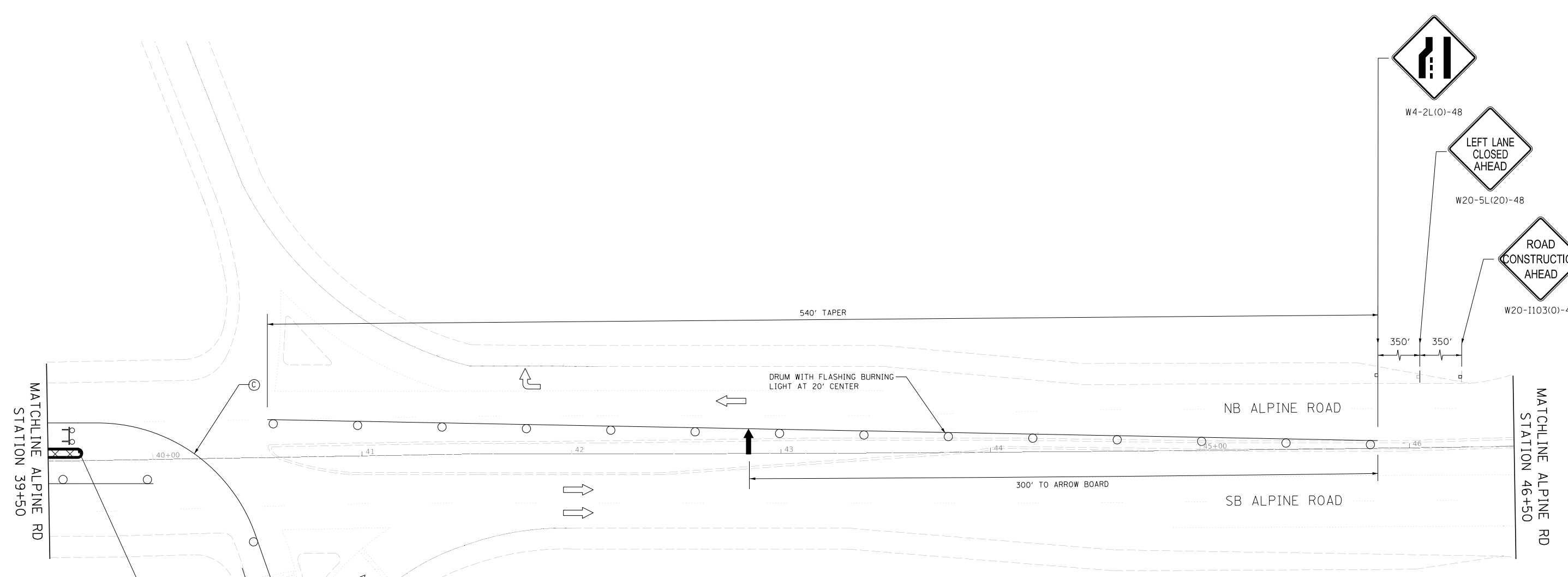


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DRAWN - JS	REVISIONS -	
PLOT SCALE = 50.0000' / in.	CHECKED - MM	REVISED -
PLOT DATE = 3/27/2018	DATE -	REVISED -

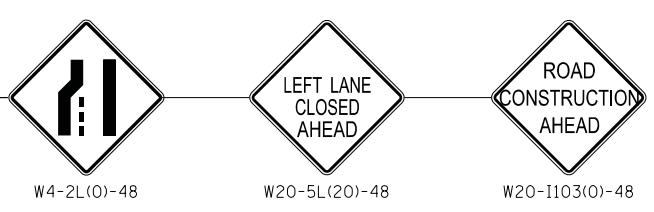
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN STAGE 2A		
SHEET 3	OF 4 SHEETS	STA. 33+50 TO STA. 39+50

F.A.P. RTE. 412	SECTION D2 BJR 2018-5	COUNTY WINNEBAGO	TOTAL SHEETS 53	SHEET NO. 25
			CONTRACT NO. 64M66	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK ZONE
 - TEMPORARY PAVEMENT MARKING
 - DRUM
 - TYPE III BARRICADE
 - ARROW BOARD
 - TRAFFIC DIRECTION
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (SOLID YELLOW)
 - PAVEMENT MARKING TAPE, TYPE III 4" (2' DASH - 6' SKIP, WHITE)
 - PAVEMENT MARKING TAPE, TYPE III 4" (10' DASH - 30' SKIP, WHITE)
 - PAVEMENT MARKING BLACKOUT TAPE, 5"
 - TEMPORARY TRAFFIC SIGN
 - PROPOSED MEDIAN
 - PROPOSED CURB AND GUTTER



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DB STERLIN CONSULTANTS, INC.
 100 N. WILCOX DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1056

USER NAME	= JSpears
PLOT SCALE	= 50.0000" / in.
PLOT DATE	= 3/27/2018

DESIGNED	- JS
DRAWN	- JS
CHECKED	- MM
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

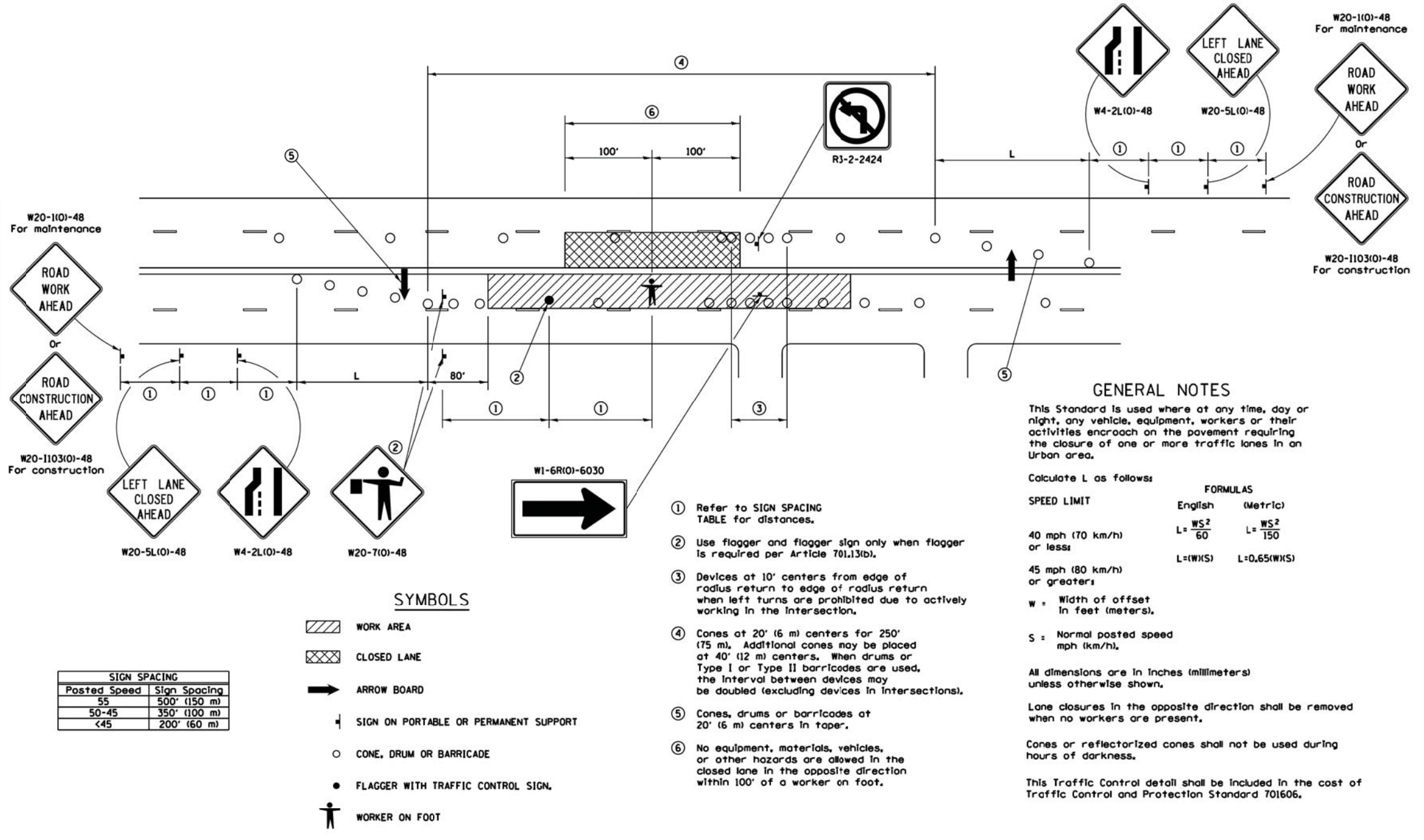
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
STAGE 2A

SHEET 4 OF 4 SHEETS STA. 39+50 TO STA. 46+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	26
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				

URBAN LANE INSIDE CLOSURE, MULTILANE, 2-WAY, WITH MOUNTABLE MEDIAN



FILE NAME District 2 Standard	USER NAME IDOT/District 2	DESIGNED -	REVISED 1-05-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED 7-22-14			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.
		CHECKED -	REVISED -								
		DATE 1/3/2018	REVISED -								

URBAN LANE INSIDE CLOSURE, MULTILANE, 2-WAY, WITH MOUNTABLE MEDIAN 35.1

MODEL: D:\dft\... FILE NAME: P:\00935\0001535_05_Alpine Road\CADD_Sheets\03505-shc-Standard.dgn



USER NAME = JSpears	DESIGNED - JS	REVISED -
DRAWN - JS	REVISED -	
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PLOT DATE = 3/27/2018	DATE -	REVISED -

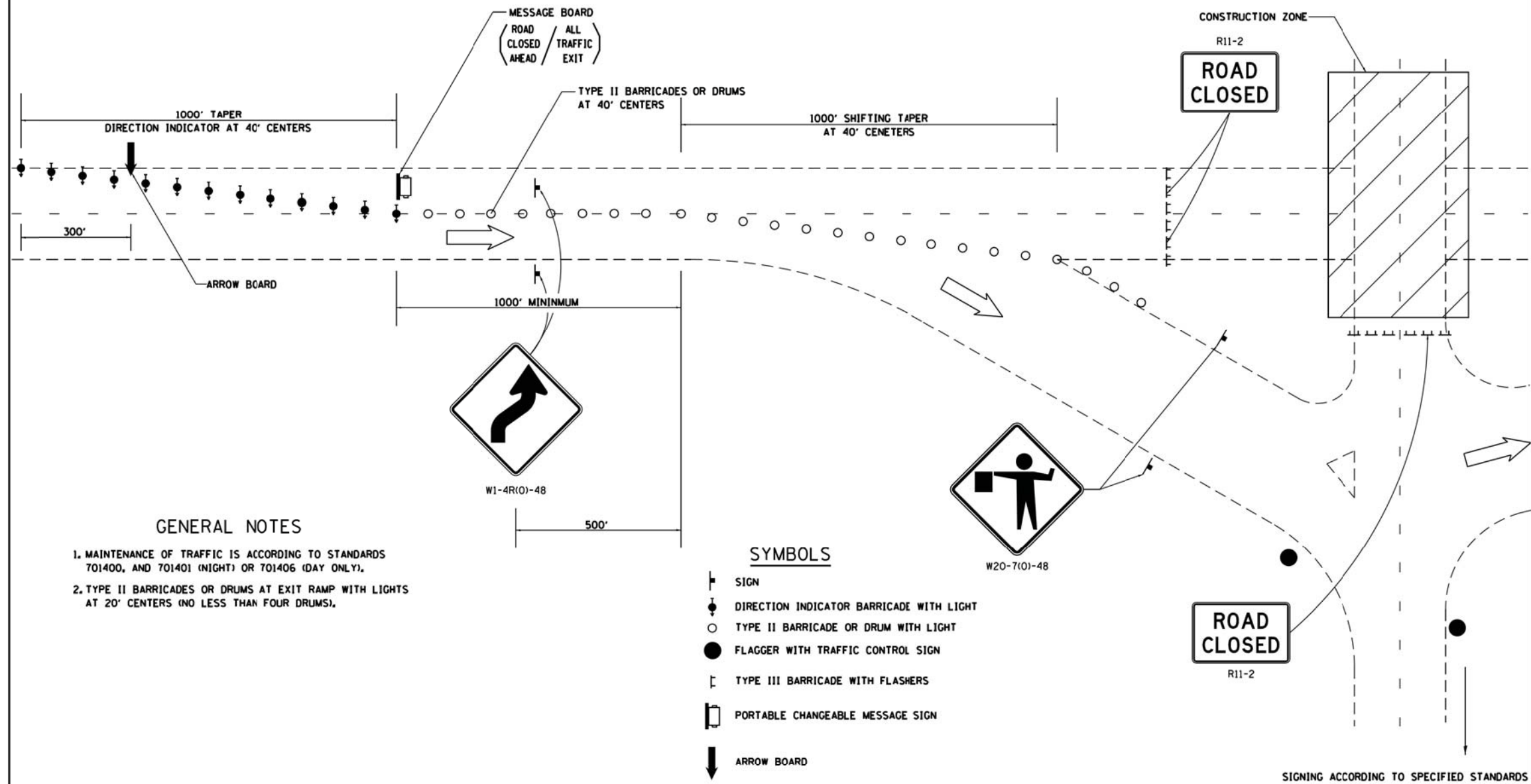
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STANDARDS

SHEET 1 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	27
			CONTRACT NO. 64M66	
ILLINOIS FED. AID PROJECT				

TEMPORARY ROAD CLOSURE EXPRESSWAY



GENERAL NOTES

1. MAINTENANCE OF TRAFFIC IS ACCORDING TO STANDARDS 701400, AND 701401 (NIGHT) OR 701406 (DAY ONLY).
2. TYPE II BARRICADES OR DRUMS AT EXIT RAMP WITH LIGHTS AT 20' CENTERS (NO LESS THAN FOUR DRUMS).

SYMBOLS

- SIGN
- DIRECTION INDICATOR BARRICADE WITH LIGHT
- TYPE II BARRICADE OR DRUM WITH LIGHT
- FLAGGER WITH TRAFFIC CONTROL SIGN
- TYPE III BARRICADE WITH FLASHERS
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ↓ ARROW BOARD

FILE NAME District 2 Standard	USER NAME IDOT/District 2	DESIGNED -	REVISOR -	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 3/8" = 1' / in.	DRAWN -	REVISOR -	DRAWN -	REVISOR -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/3/2018	CHECKED -	REVISOR -	CHECKED -	REVISOR -		CONTRACT NO.							
		DATE -	REVISOR -	DATE -	REVISOR -		TEMPORARY ROAD CLOSURE EXPRESSWAY 36.1							

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USER NAME = JSpears	DESIGNED -	REVISOR -
DRAWN -	REVISOR -	REVISOR -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISOR -
PLOT DATE = 3/27/2018	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

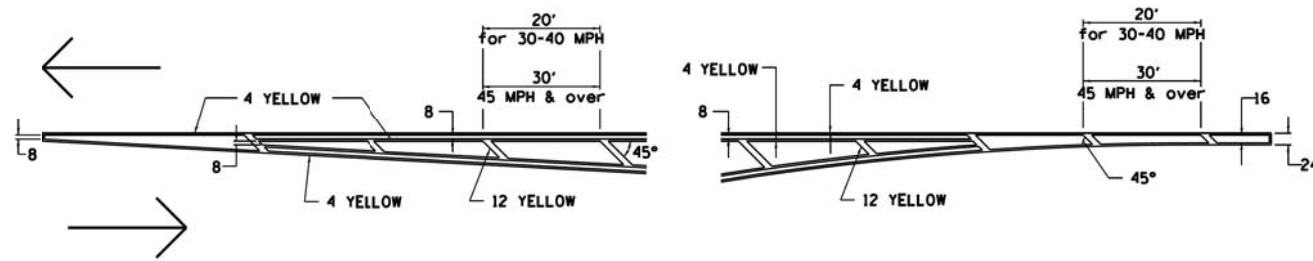
STANDARDS

SHEET 2 OF 24 SHEETS

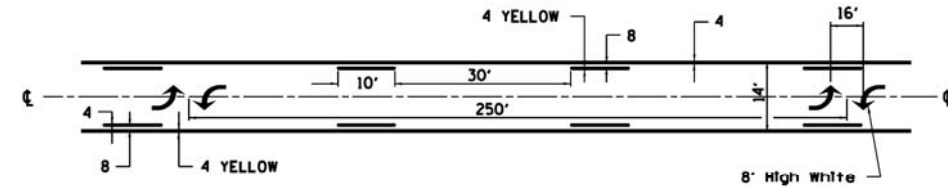
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	28
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

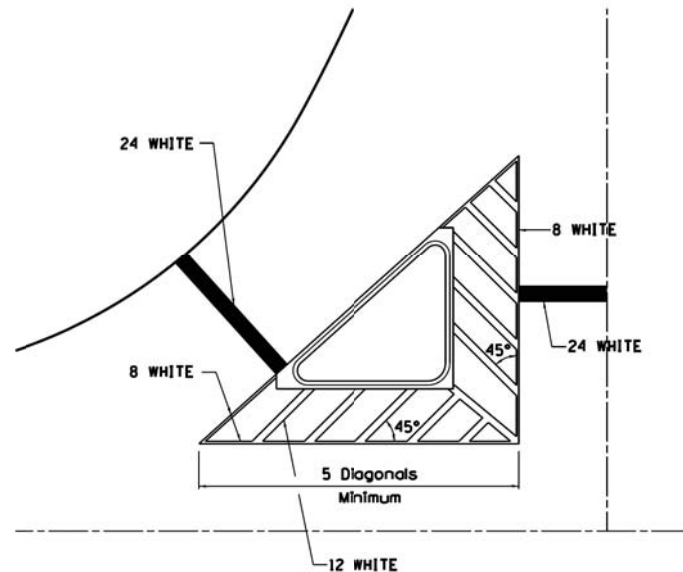


MEDIAN PAVEMENT MARKING



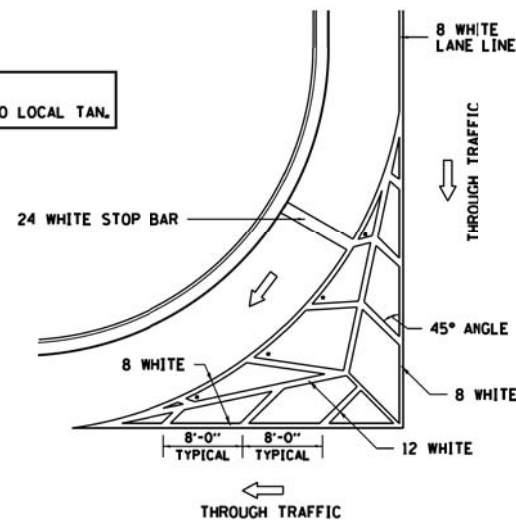
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



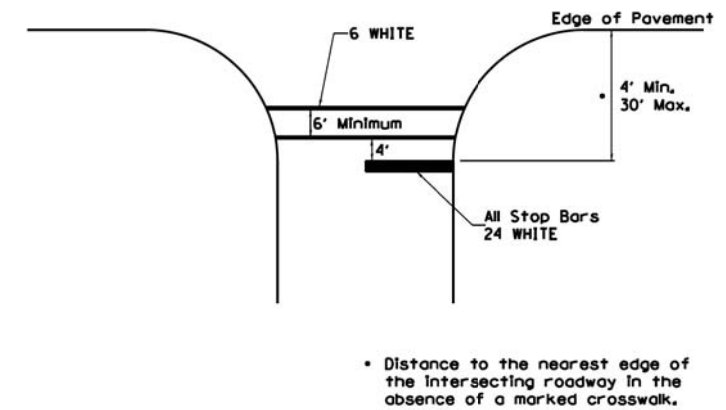
TYPICAL MARKING FOR PAINTED ISLANDS

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 District 2 Standard	USER NAME IDOT/District 2	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISOR -							
		CHECKED -	REVISOR -							
		DATE -	REVISOR -							

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 3 41.1

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USER NAME = JSpears	DESIGNED - JS	REVISOR -
DRAWN - JS	REVISOR -	
PLOT SCALE = 50.0000 "/ in.	CHECKED - MM	REVISOR -
PLOT DATE = 3/27/2018	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

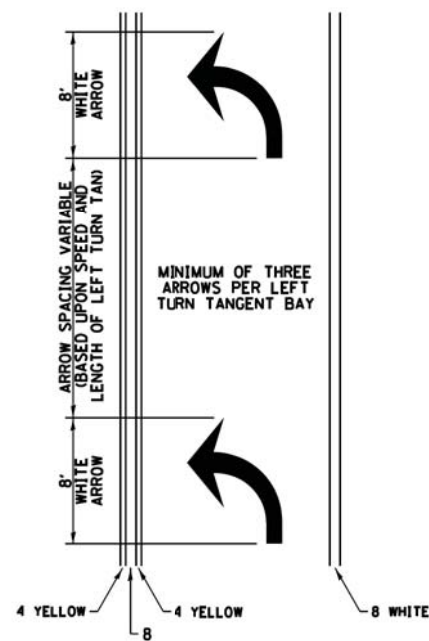
STANDARDS

SHEET 3 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	29
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

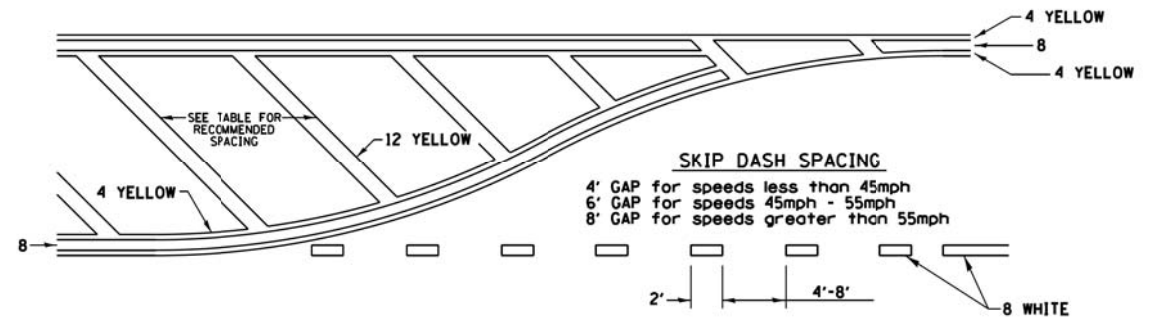
ARROW LAYOUT



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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

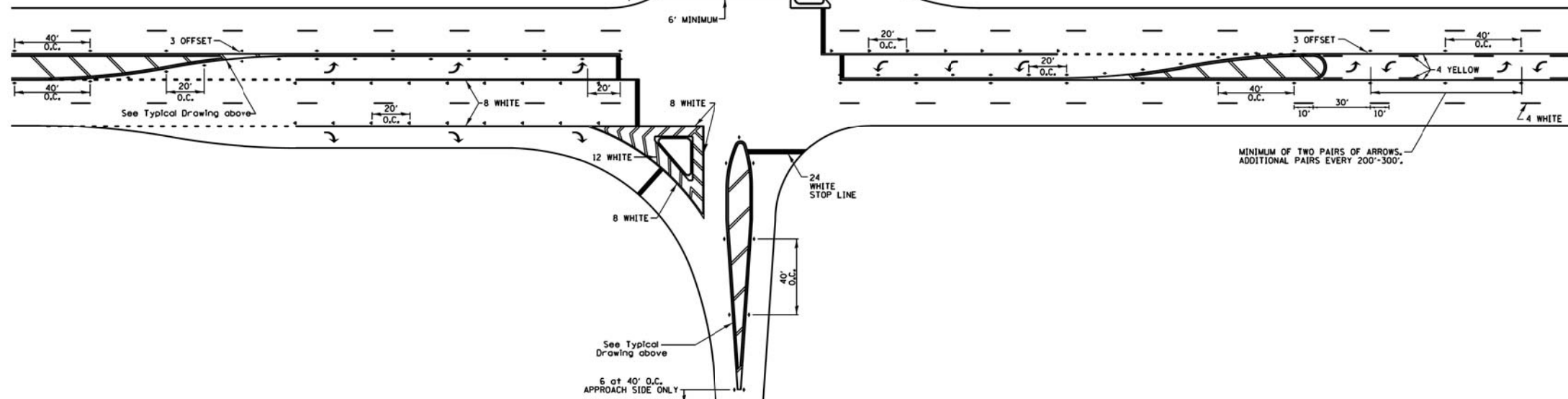
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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 District 2 Standard	USER NAME IDOT/District 2	DESIGNED -	REVISOR -	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISOR -	DRAWN -	REVISOR -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
		CHECKED -	REVISOR -	CHECKED -	REVISOR -		TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 41.1							
		DATE -	REVISOR -	DATE -	REVISOR -									

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PLOT DATE = 3/27/2018		

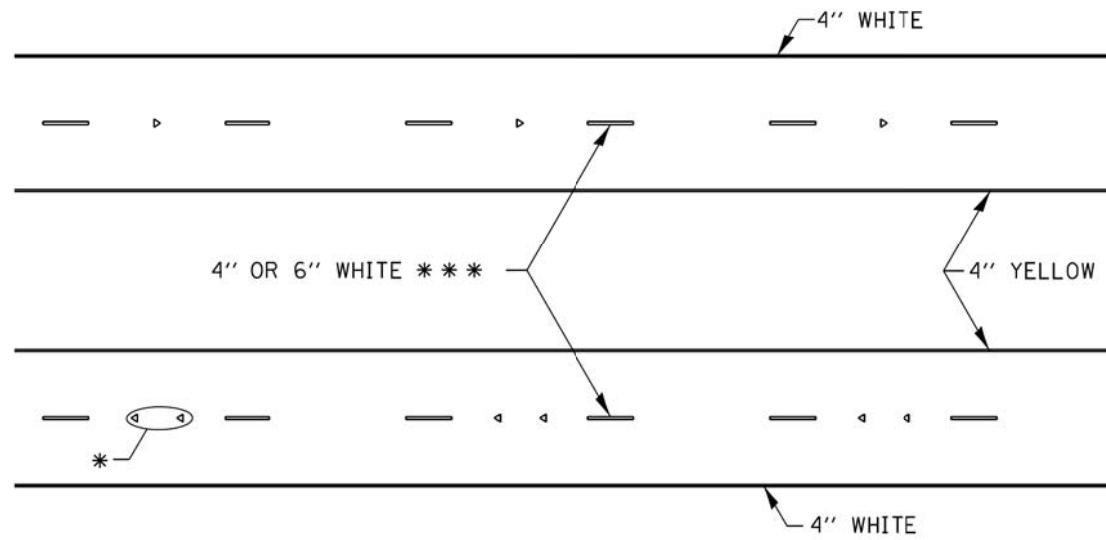
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARDS

SHEET 4 OF 24 SHEETS

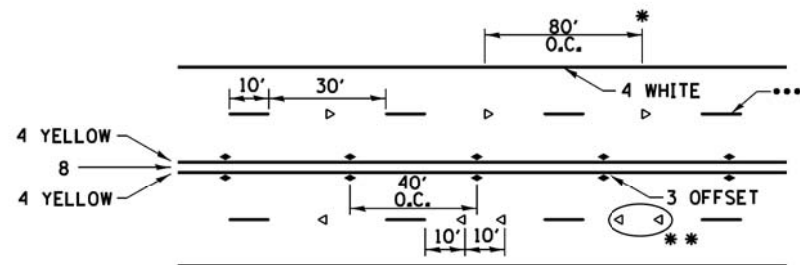
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	30
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



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

MULTI-LANE / DIVIDED

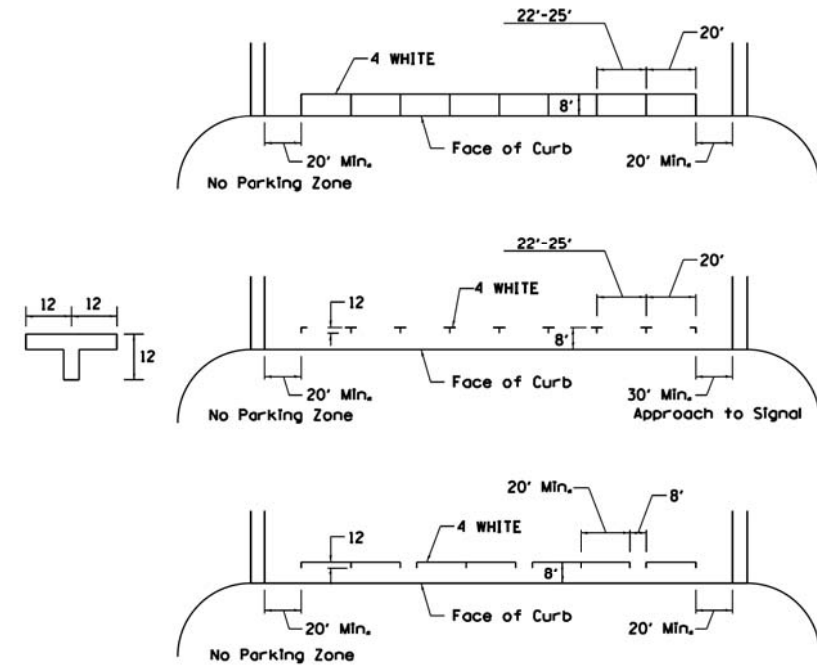


- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

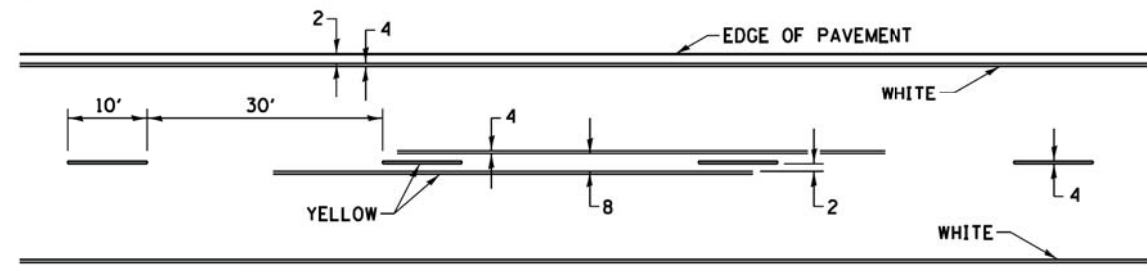
MULTI-LANE / UNDIVIDED & ONE WAY

(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



FILE NAME District 2 Standard	USER NAME IDOT/District 2	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.
		DRAWN -	REVISED 8-27-13					SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO.	
		CHECKED -	REVISED 11-28-12		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -						TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3 41.1			

MODEL D:\dft\...
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USER NAME = JSpears	DESIGNED - JS	REVISED -
DRAWN - JS	REVISIONS -	
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PLOT DATE = 3/27/2018	DATE -	REVISED -

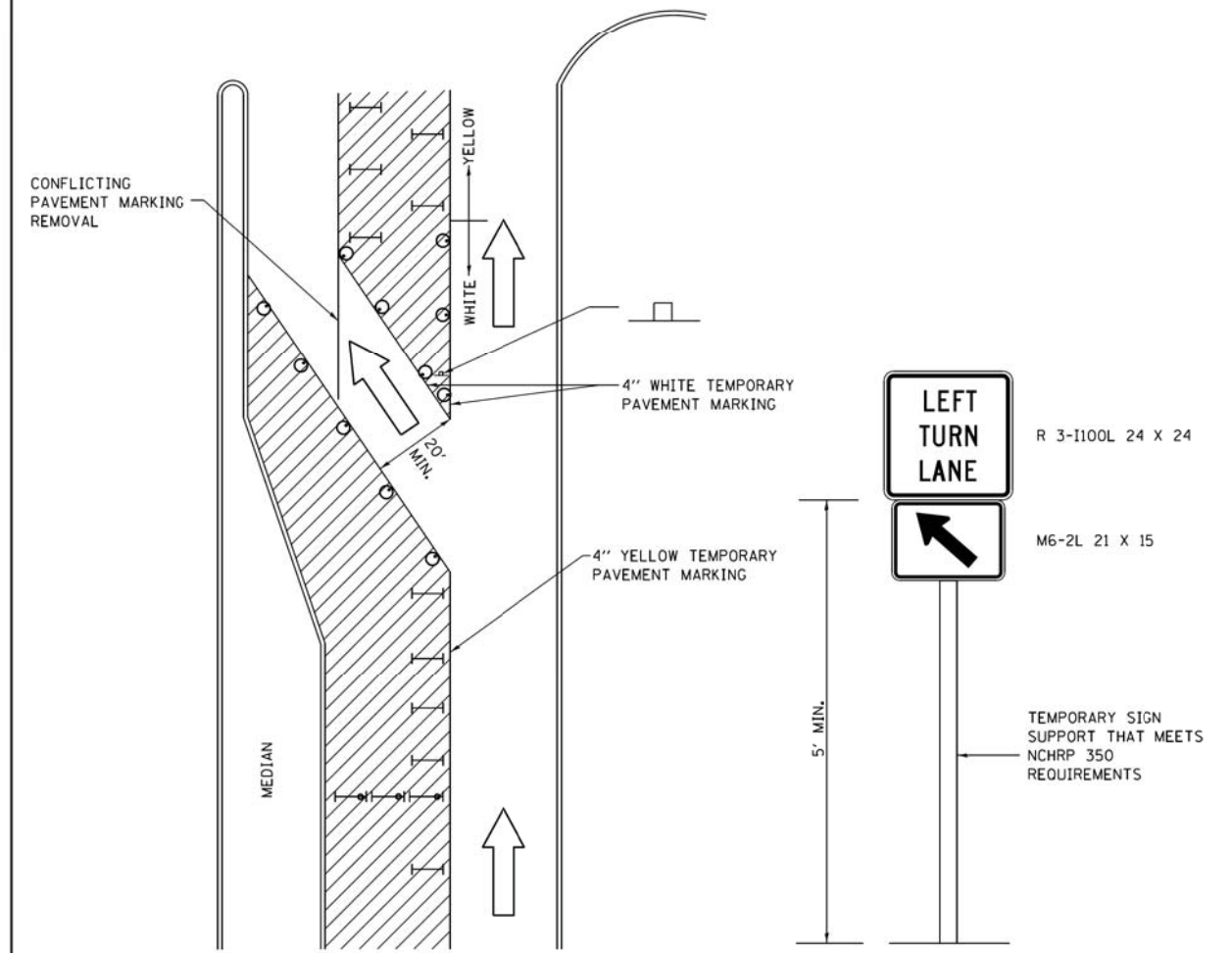
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STANDARDS

SHEET 5 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	31
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

TEMPORARY PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 X 24 AND M6-2R 21 X 15 SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -				CONTRACT NO.				
REVISED -	SCALE: 2,0000' = 1"	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

Traffic Control and Protection at Turn Bays (To Remain Open to Traffic) 94.2

MODEL: D:\d4\h1 FILE NAME: P:\00355-000\535.05 Alpine Road\CADD Sheets\035505-shc-Standard.dgn



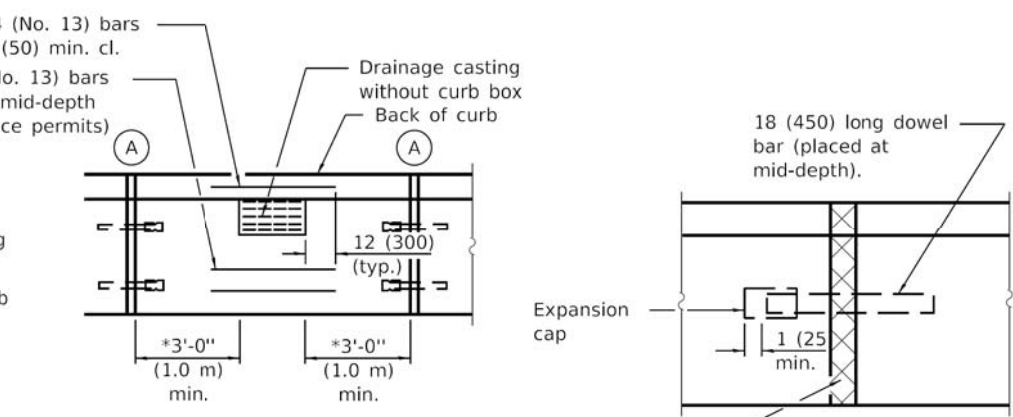
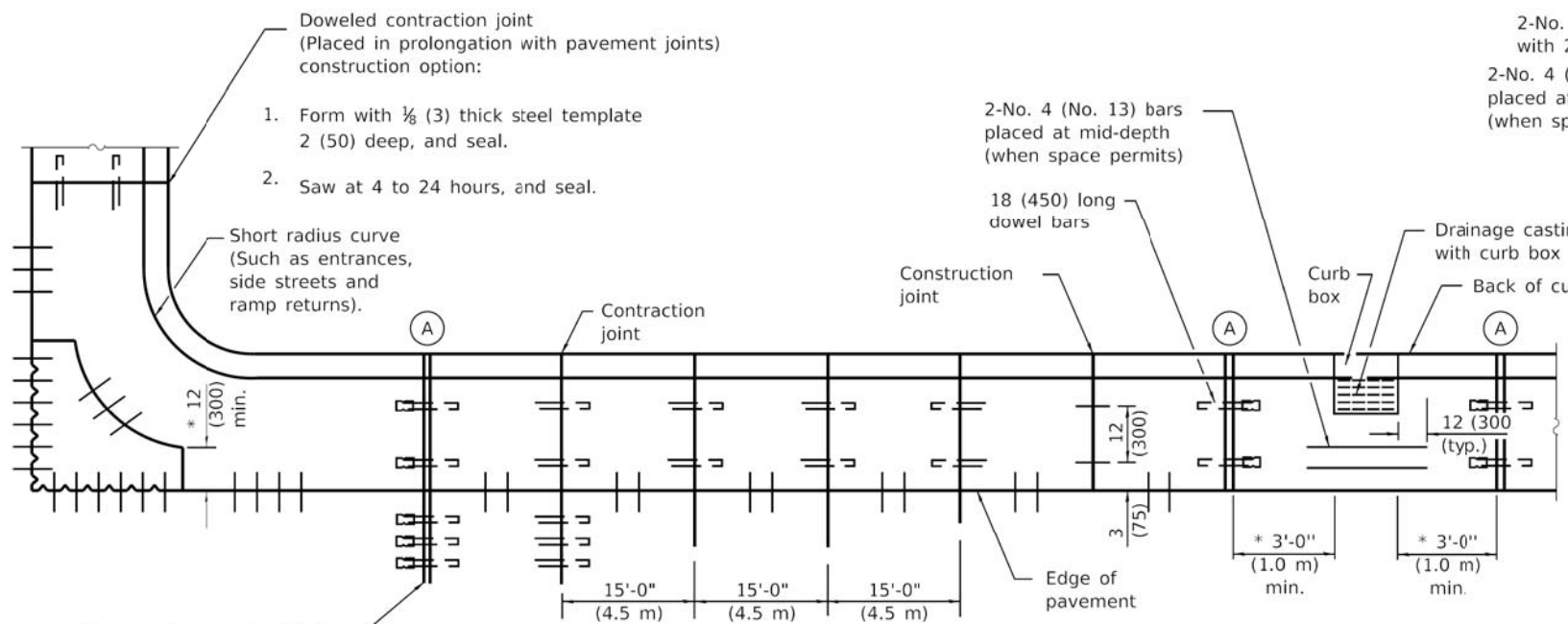
USER NAME = JSpears	DESIGNED - JS	REVISED -
100 N. WICKER DRIVE SUITE 2000 CHICAGO, ILLINOIS 60606 TEL. (312)857-1000 FAX. (312)857-1056	DRAWN - JS	REVISED -
PLOT SCALE = 50,0000' = 1 in.	CHECKED - MM	REVISED -
PLOT DATE = 3/27/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARDS

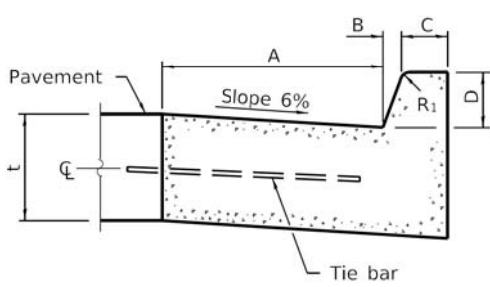
SHEET 6 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	

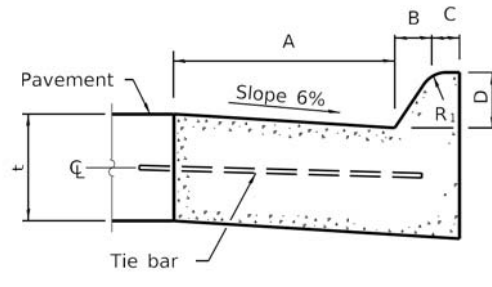


PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

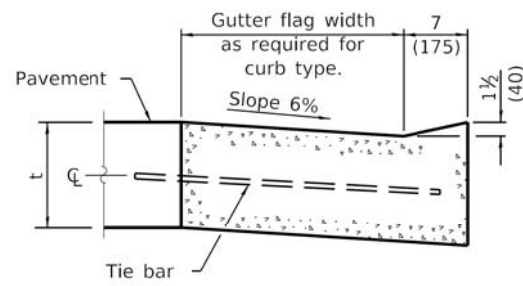
DETAIL A
EXPANSION JOINT



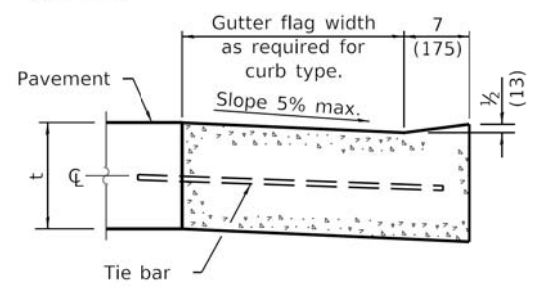
BARRIER CURB



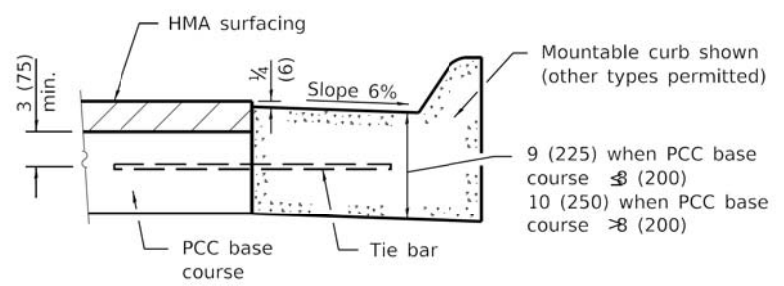
MOUNTABLE CURB



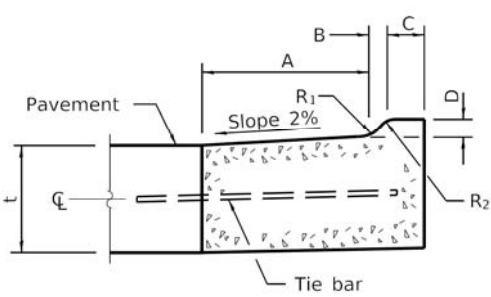
DEPRESSED CURB (TYPICAL)



DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED



ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



M-2.06 (M-5.15) and M-2.12 (M-5.30)

TABLE OF DIMENSIONS BARRIER CURB					
TYPE	A	B	C	D	R ₁
B-6.06 *	6	1	6	6	1
(B-15.15)	(150)	(25)	(150)	(150)	(25)
B-6.12	12	1	6	6	1
(B-15.3)	(300)	(25)	(150)	(150)	(25)
B-6.18	18	1	6	6	1
(B-15.45)	(450)	(25)	(150)	(150)	(25)
B-6.24	24	1	6	6	1
(B-15.60)	(600)	(25)	(150)	(150)	(25)
B-9.12	12	2	5	9	1
(B-22.30)	(300)	(50)	(125)	(225)	(25)
B-9.18	18	2	5	9	1
(B-22.45)	(450)	(50)	(125)	(225)	(25)
B-9.24	24	2	5	9	1
(B-22.60)	(600)	(50)	(125)	(225)	(25)

* For corner islands only.

TABLE OF DIMENSIONS MOUNTABLE CURB						
TYPE	A	B	C	D	R ₁	R ₂
M-2.06	6	2	4	2	3	2
(M-5.15)	(150)	(50)	(100)	(50)	(75)	(50)
M-2.12	12	2	4	2	3	2
(M-5.30)	(300)	(50)	(100)	(50)	(75)	(50)
M-4.06	6	4	3	4	3	
(M-10.15)	(150)	(100)	(75)	(100)	(75)	NA
M-4.12	12	4	3	4	3	
(M-10.30)	(300)	(100)	(75)	(100)	(75)	NA
M-4.18	18	4	3	4	3	
(M-10.45)	(450)	(100)	(75)	(100)	(75)	NA
M-4.24	24	4	3	4	3	
(M-10.60)	(600)	(100)	(75)	(100)	(75)	NA
M-6.06	6	6	2	6	2	
(M-15.15)	(150)	(150)	(50)	(150)	(50)	NA
M-6.12	12	6	2	6	2	
(M-15.30)	(300)	(150)	(50)	(150)	(50)	NA
M-6.18	18	6	2	6	2	
(M-15.45)	(450)	(150)	(50)	(150)	(50)	NA
M-6.24	24	6	2	6	2	
(M-15.60)	(600)	(150)	(50)	(150)	(50)	NA

Illinois Department of Transportation

PASSED January 1, 2018

Michael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2018

Maureen M. O'Connell
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-18	Revised General Note for tie bar spacing to 36 (900) cts.
1-1-15	Added B-6.06 (B-15.15) barrier curb and gutter to table (corner islands only).

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
(Sheet 1 of 2)

STANDARD 606001-07

MODEL: D:\dtd\11...
FILE NAME: P:\00255\0001515_05_Alpine_Road\CADD_Sheets\0253505-shc-Standard.dgn

DBS
DB STERLIN CONSULTANTS, INC.
100 N. WICKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL: (312)857-1000 FAX: (312)857-1055

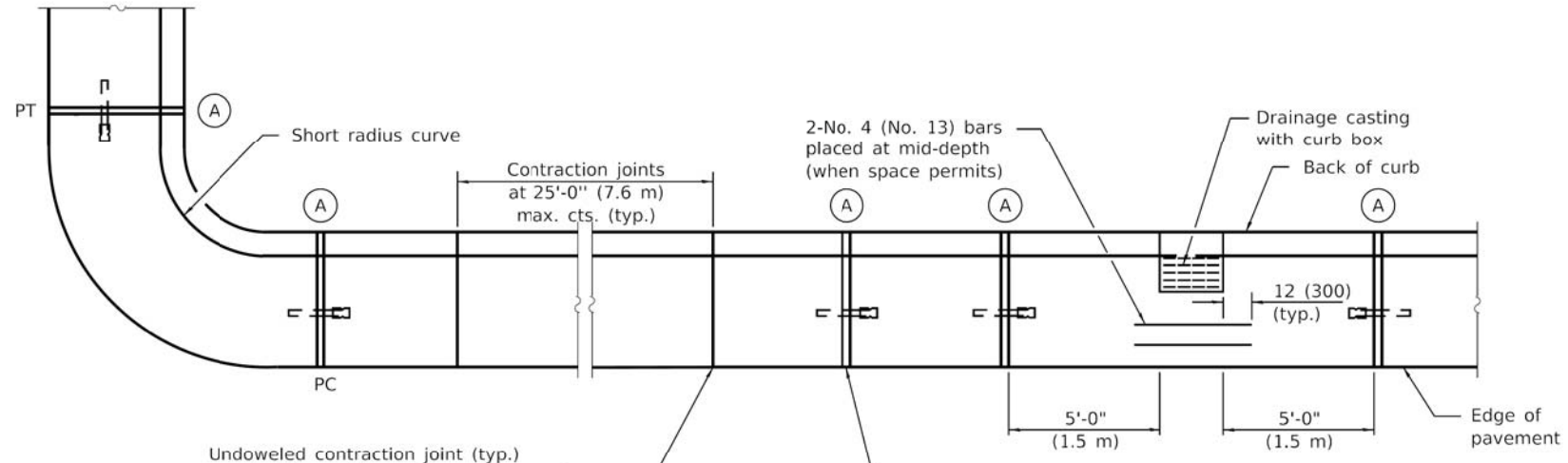
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PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

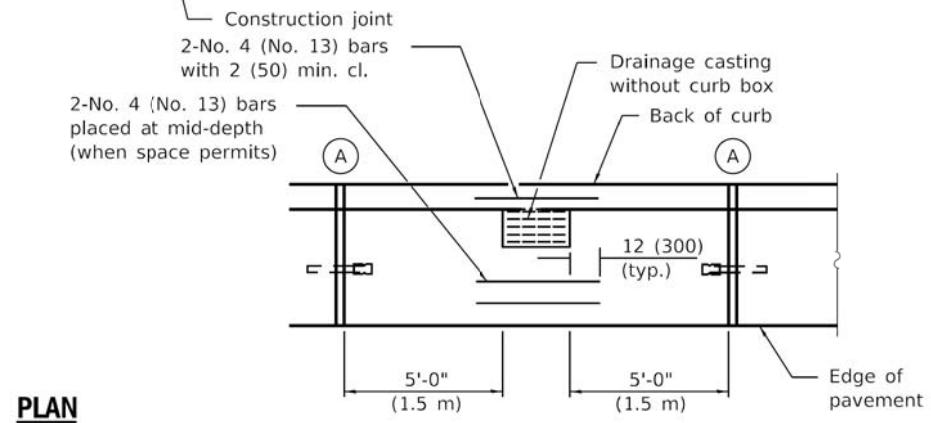
STANDARDS

SHEET 7 OF 24 SHEETS

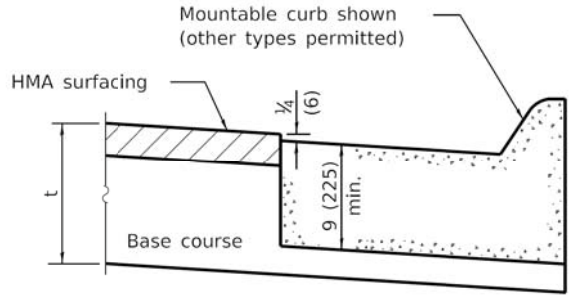
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	



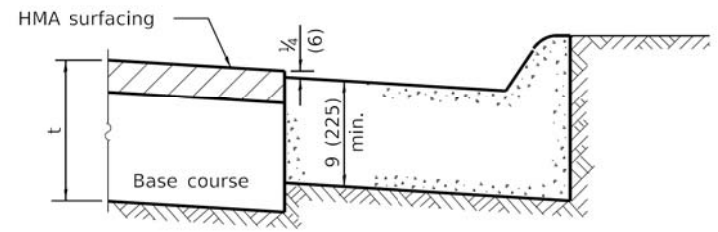
- Undoweled contraction joint (typ.) construction options:
1. Form with $\frac{3}{8}$ (3) thick steel template 2 (50) deep, and seal.
 2. Saw 2 (50) deep at 4 to 24 hours, and seal.
 3. Insert $\frac{3}{4}$ (20) thick preformed joint filler full depth and width.



PLAN

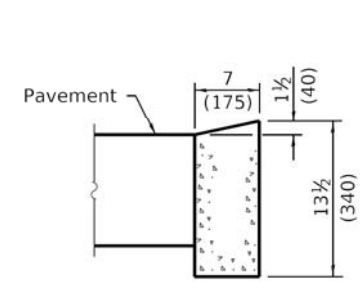


ON DISTURBED SUBGRADE

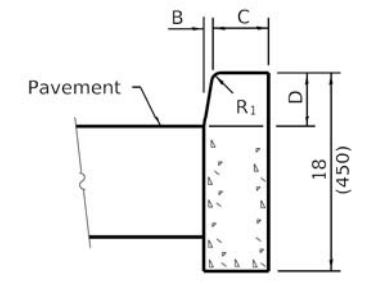


ON UNDISTURBED SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT

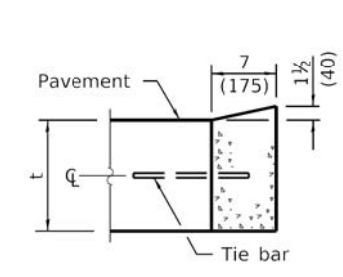


DEPRESSED CURB

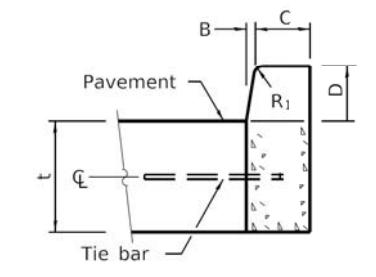


BARRIER CURB

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB



BARRIER CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B

**CONCRETE CURB TYPE B
AND COMBINATION
CONCRETE CURB AND GUTTER**
(Sheet 2 of 2)
STANDARD 606001-07

Illinois Department of Transportation

PASSED January 1, 2018
Michael Brand
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2018
Maureen M. O'Connell
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

USER NAME = JSpears	DESIGNED - JS	REVISED -
DRAWN - JS	REVISIONS -	
PLOT SCALE = 50.0000' / in.	CHECKED - MM	REVISED -
PLOT DATE = 3/27/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

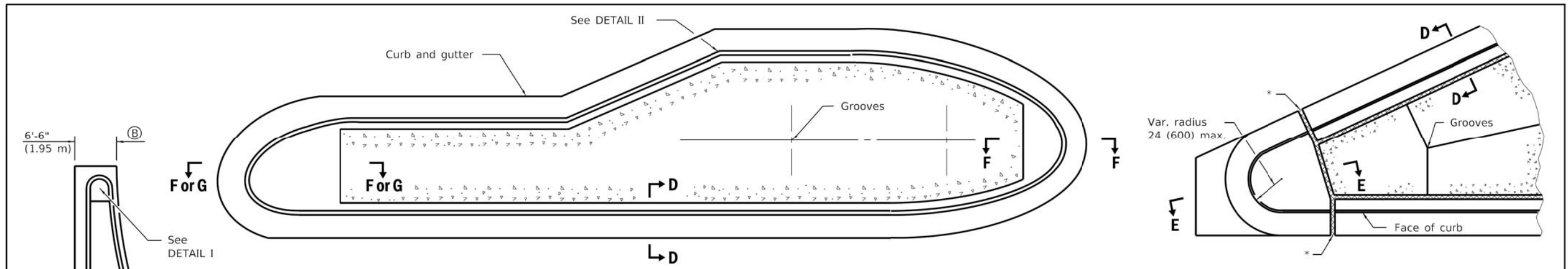
STANDARDS

SHEET 8 OF 24 SHEETS

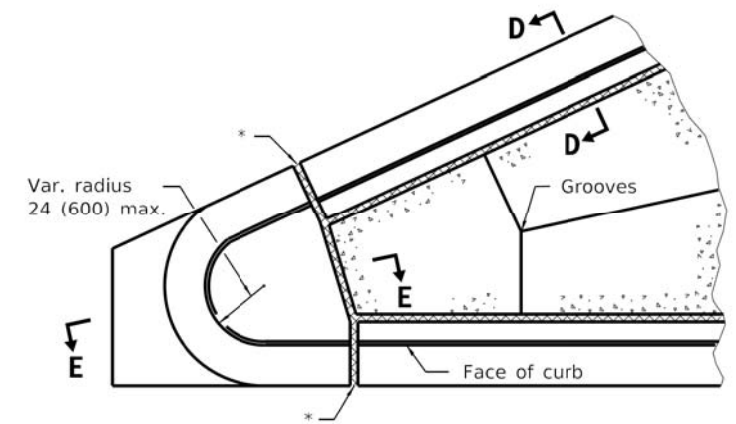
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	

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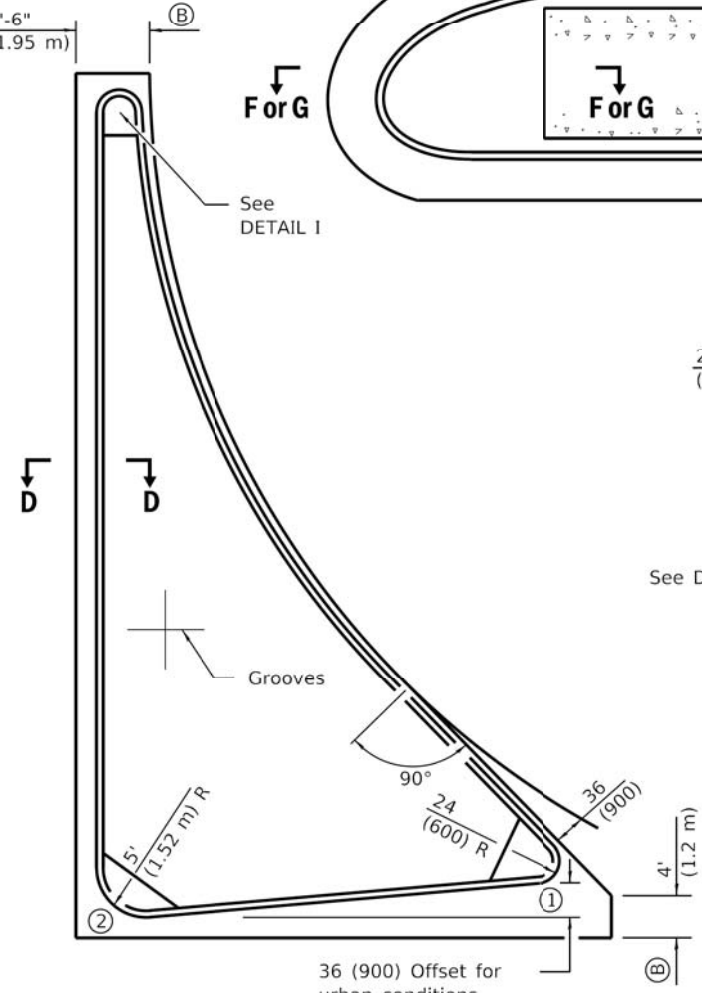
DBS
DB STERLIN CONSULTANTS, INC.
100 N. WICKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1000 FAX. (312)857-1055



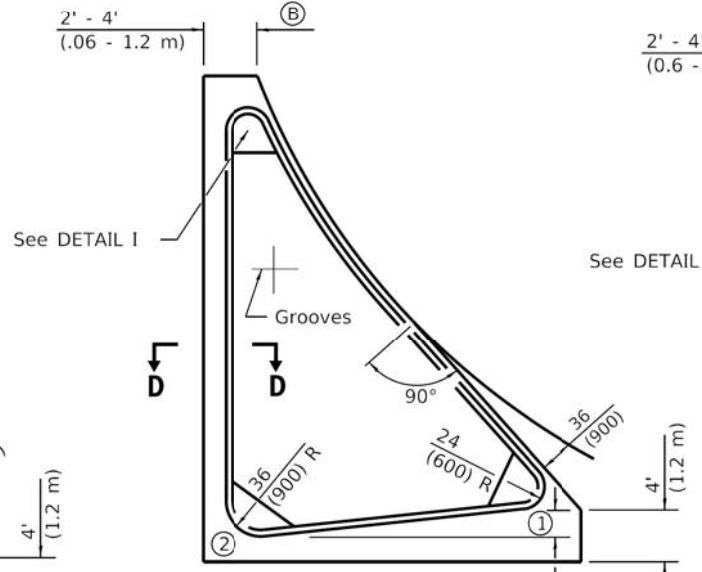
TYPICAL PLAN OF MEDIAN ISLAND
(SEE SHEET 2 FOR DETAILS OF RAMPED NOSES)



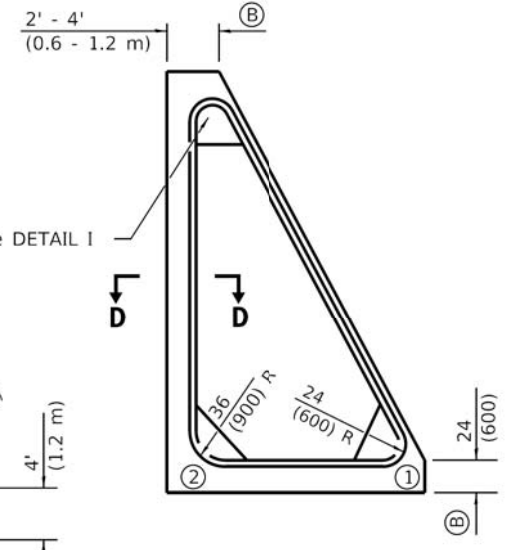
DETAIL I



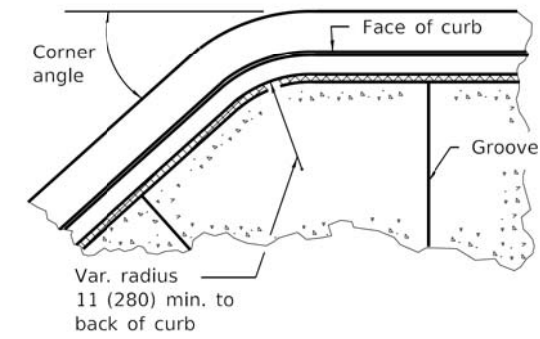
LARGE ISLAND
(FREE FLOW DESIGN)



INTERMEDIATE ISLAND
(FOR RIGHT TURN LANE DESIGN)



SMALL ISLAND

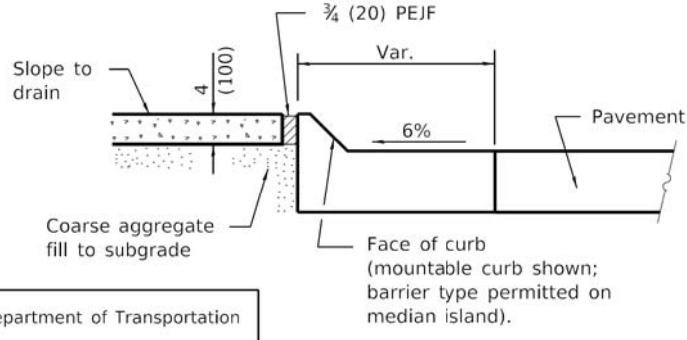


DETAIL II

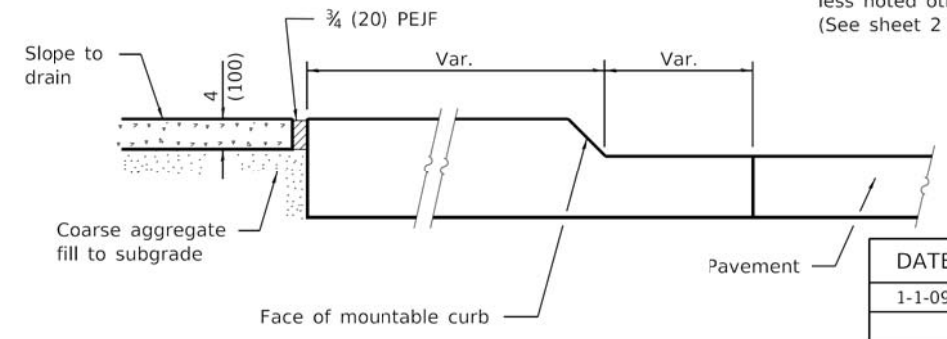
Typical detail when corner angle is less than 90° and for other corners with radius greater than 24 (600).

TYPICAL PLANS OF CORNER ISLANDS

(SEE SHEET 2 FOR DETAILS OF RAMPED NOSES)



SECTION D-D



SECTION E-E

NOTE:
The blockouts (B) for the islands shall be extended so that the termination will line up with proposed or existing pavement joint.

Noses (1) and (2) shall be ramped unless noted otherwise on the plans. (See sheet 2 for length)

GENERAL NOTES

- PEJF = Preformed expansion joint filler.
- Median layout and radii shall be as shown on the plans.
- Keyed longitudinal construction joints shall be constructed without tie bars.
- See Standard 420001 and 606001 for details not shown.
- * 3/4 (20) PEJF conforming to the full cross section of the curb, gutter and median surface.
- X = PCC base course plus HMA thickness.
- t = Pavement or pcc base course thickness.
- All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2009
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-09

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	Switched to Hot-Mix Asphalt (HMA) terminology.

PC CONCRETE ISLANDS AND MEDIANS
(Sheet 1 of 2)

STANDARD 606301-04

MODEL: D:\dtd\it... FILE NAME: P:\0035\000135_05... SHEET: 013501-04

DBS DB STERLIN CONSULTANTS, INC.
100 N. WICKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1000 FAX. (312)857-1055

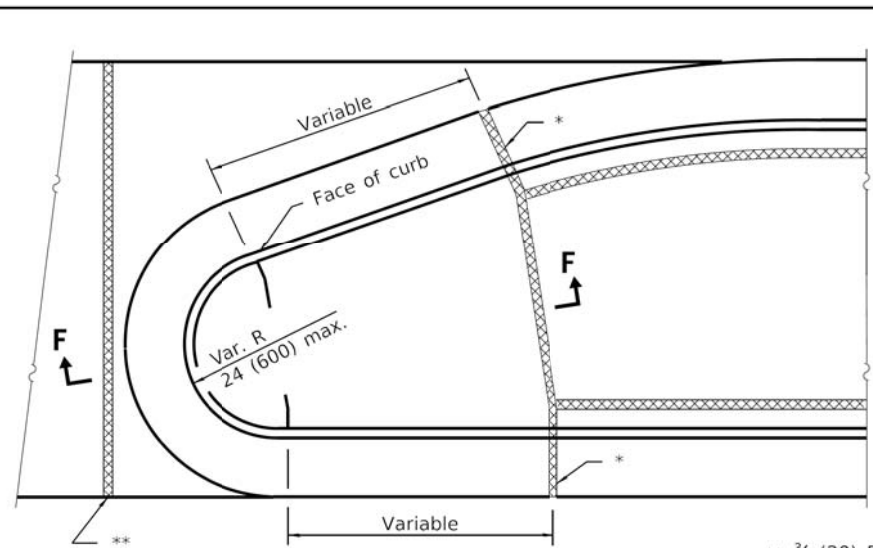
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PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

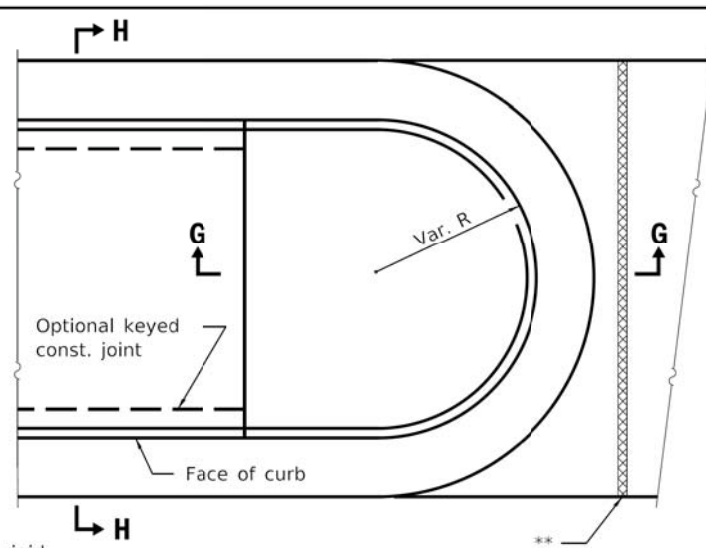
STANDARDS

SHEET 9 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	35
				CONTRACT NO. 64M66
ILLINOIS FED. AID PROJECT				



TYPE P MEDIAN SURFACE



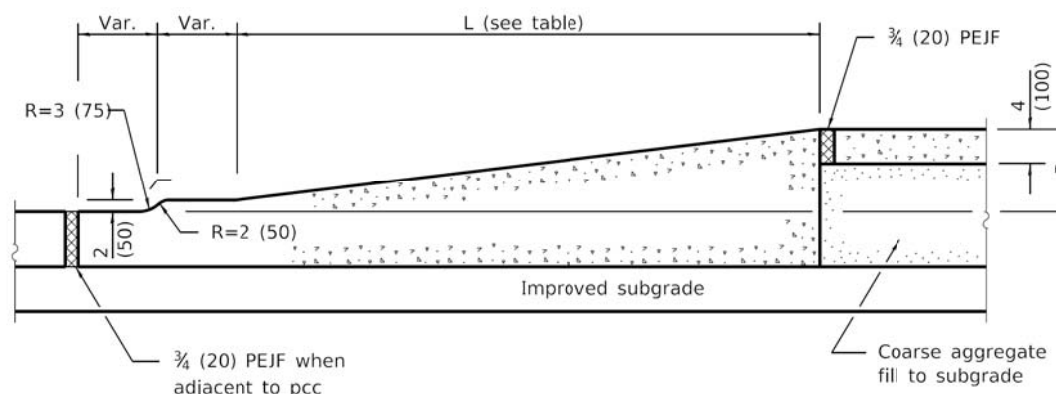
SOLID MEDIAN

** 3/4 (20) PEJF between rigid pavement and median end. Align with joint in adjacent pavement.

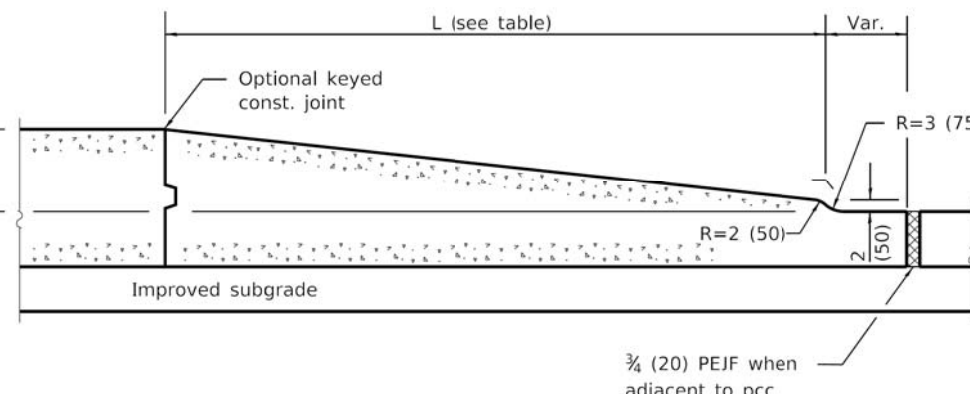
TABLE OF DIMENSIONS					
TYPE SB MEDIANS					
TYPE	A	B	C	D	R ₁
SB-6.06	6	1	6	6	1
(SB-15.15)	(150)	(25)	(150)	(150)	(25)
SB-6.12	12	1	6	6	1
(SB-15.30)	(300)	(25)	(150)	(150)	(25)
SB-6.18	18	1	6	6	1
(SB-15.45)	(450)	(25)	(150)	(150)	(25)
SB-6.24	24	1	6	6	1
(SB-15.60)	(600)	(25)	(150)	(150)	(25)
SB-9.06	6	2	5	9	1
(SB-22.15)	(150)	(50)	(125)	(225)	(25)
SB-9.12	12	2	5	9	1
(SB-22.30)	(300)	(50)	(125)	(225)	(25)
SB-9.18	18	2	5	9	1
(SB-22.45)	(450)	(50)	(125)	(225)	(25)
SB-9.24	24	2	5	9	1
(SB-22.60)	(600)	(50)	(125)	(225)	(25)

TABLE OF DIMENSIONS					
TYPE M AND SM MEDIANS					
TYPE	A	B	C	D	R ₁
M-2.06	6	2	4	2	2
(M-5.15)	(150)	(50)	(100)	(50)	(50)
M-2.12	12	2	4	2	2
(M-5.30)	(300)	(50)	(100)	(50)	(50)
SM-4.06	6	4	3	4	3
(SM-10.15)	(150)	(100)	(75)	(100)	(75)
SM-4.12	12	4	3	4	3
(SM-10.30)	(300)	(100)	(75)	(100)	(75)
SM-4.18	18	4	3	4	3
(SM-10.45)	(450)	(100)	(75)	(100)	(75)
SM-4.24	24	4	3	4	3
(SM-10.60)	(600)	(100)	(75)	(100)	(75)
SM-6.06	6	6	2	6	2
(SM-15.15)	(150)	(150)	(50)	(150)	(50)
SM-6.12	12	6	2	6	2
(SM-15.30)	(300)	(150)	(50)	(150)	(50)
SM-6.18	18	6	2	6	2
(SM-15.45)	(450)	(150)	(50)	(150)	(50)
SM-6.24	24	6	2	6	2
(SM-15.60)	(600)	(150)	(50)	(150)	(50)

PLAN
(RAMPED NOSES)

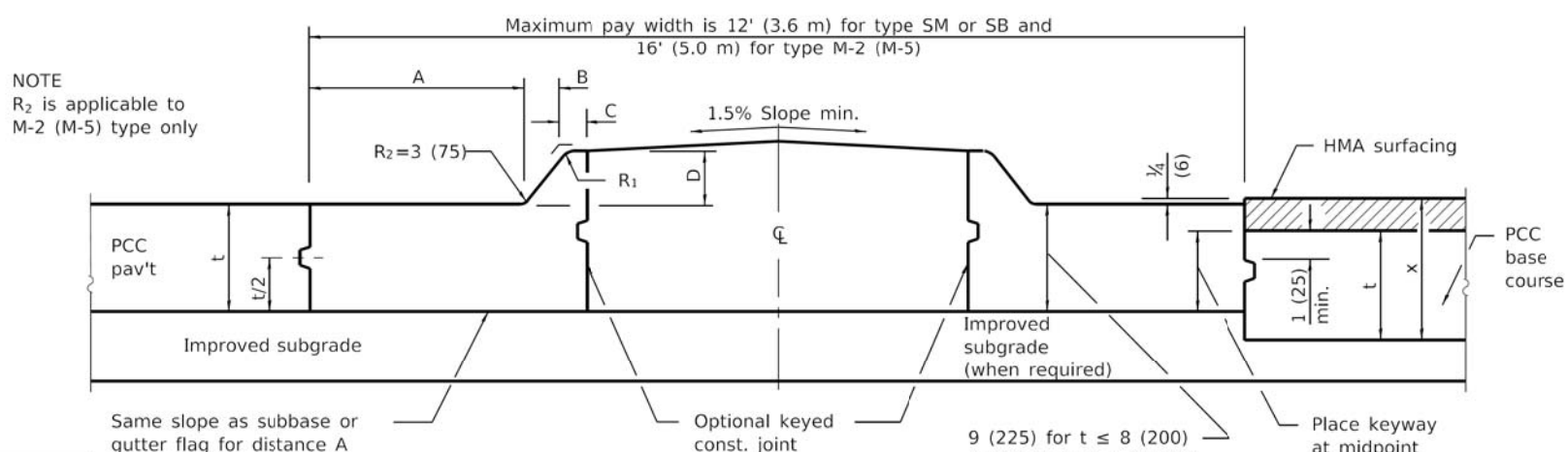


SECTION F-F



SECTION G-G

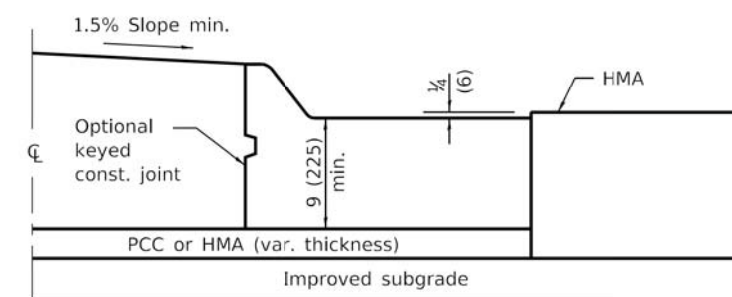
TABLE OF RAMPED NOSE LENGTHS	
TYPE OF NOSE	L
Median	6' (1.8 m)
Small Island	24 (600)
Intermediate Island	4' (1.2 m)
Large Island	6' (1.8 m)



HALF SECTION FOR PCC PAVEMENT

HALF SECTION FOR PCC BASE COURSE

SECTION H-H
(TYPE SM, SB & M-5 (M-2) MEDIANS)

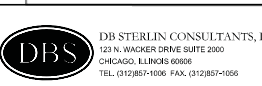


HALF SECTION FOR FLEXIBLE PAVEMENT

Illinois Department of Transportation
 PASSED January 1, 2009
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2009
 ENGINEER OF DESIGN AND ENVIRONMENT

PC CONCRETE ISLANDS AND MEDIANS
 (Sheet 2 of 2)
STANDARD 606301-04

MODEL: D:\dft\...
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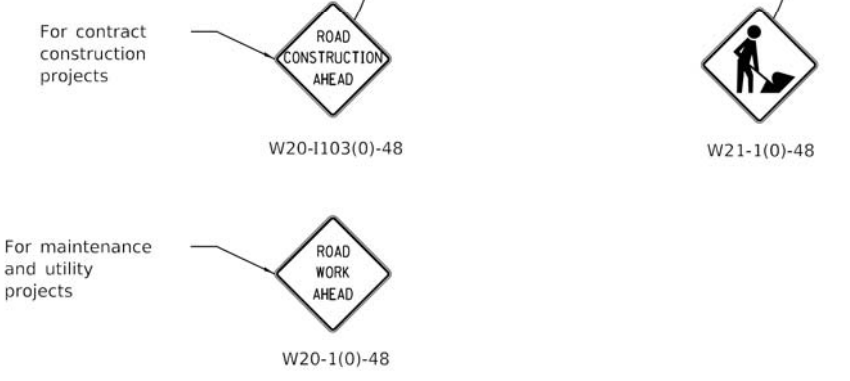
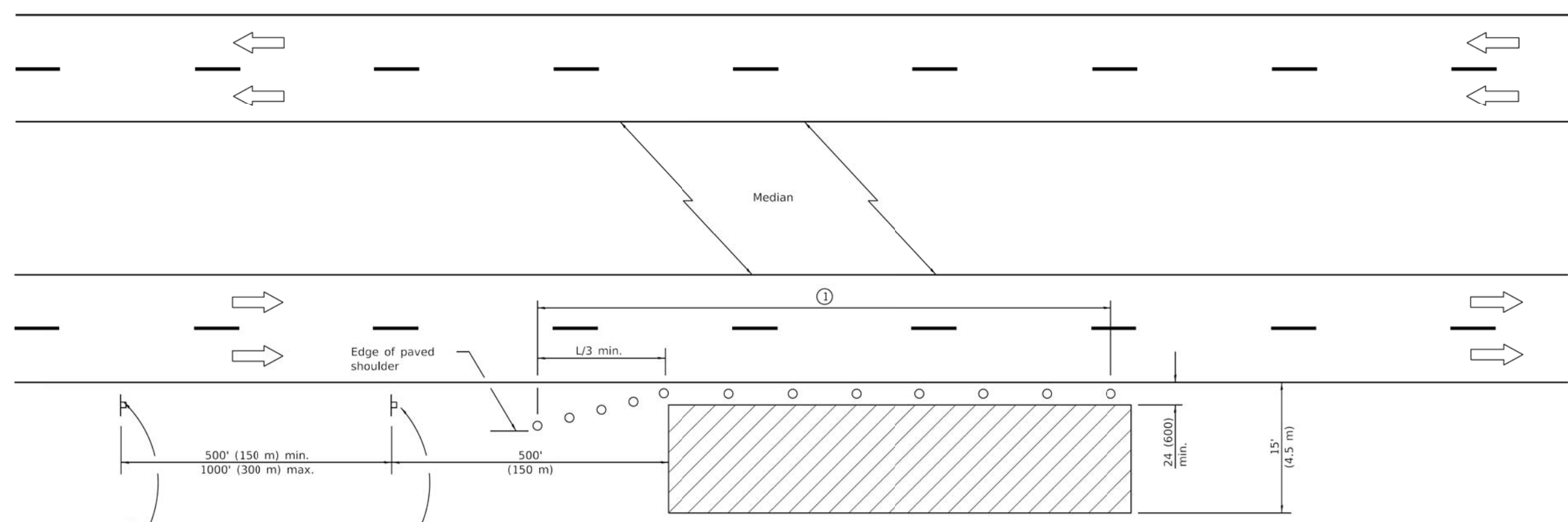
USER NAME = JSpears
 DESIGNED - JS
 DRAWN - JS
 PLOT SCALE = 50.0000 "/in.
 CHECKED - MM
 DATE - 3/27/2018

REVISOR -
 REVISION -
 REVISION -
 REVISION -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STANDARDS
 SHEET 10 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	36
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



TYPICAL APPLICATIONS

- Utility operations
- Culvert extensions
- Side slope changes
- Guardrail installation and maintenance
- Delineator installation
- Landscaping operations
- Shoulder repair
- Sign installation and maintenance

① When the work operation exceeds one hour, cones, drums or barricades shall be placed at 25' (8 m) centers for L/3 distance, and at 50' (15 m) centers through the remainder of the work area.

SYMBOLS

- Work area
- Sign
- Cone, drum or barricade

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24' (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).
S = Normal posted speed mph (km/h).

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

DATE	REVISIONS
4-1-16	Corrected typo in title.
1-1-14	Revised workers sign number to agree with current MUTCD.

**OFF-RD OPERATIONS, MULTILANE,
15' (4.5 m) TO 24" (600 mm)
FROM PAVEMENT EDGE**

STANDARD 701101-05

Illinois Department of Transportation

PASSED April 1, 2016
ENGINEER OF SAFETY ENGINEERING

APPROVED April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

USER NAME = JSpears	DESIGNED - JS	REVISED -
PLOT SCALE = 50,0000' / in.	DRAWN - JS	REVISIED -
PLOT DATE = 3/27/2018	CHECKED - MM	REVISIED -
	DATE -	REVISIED -

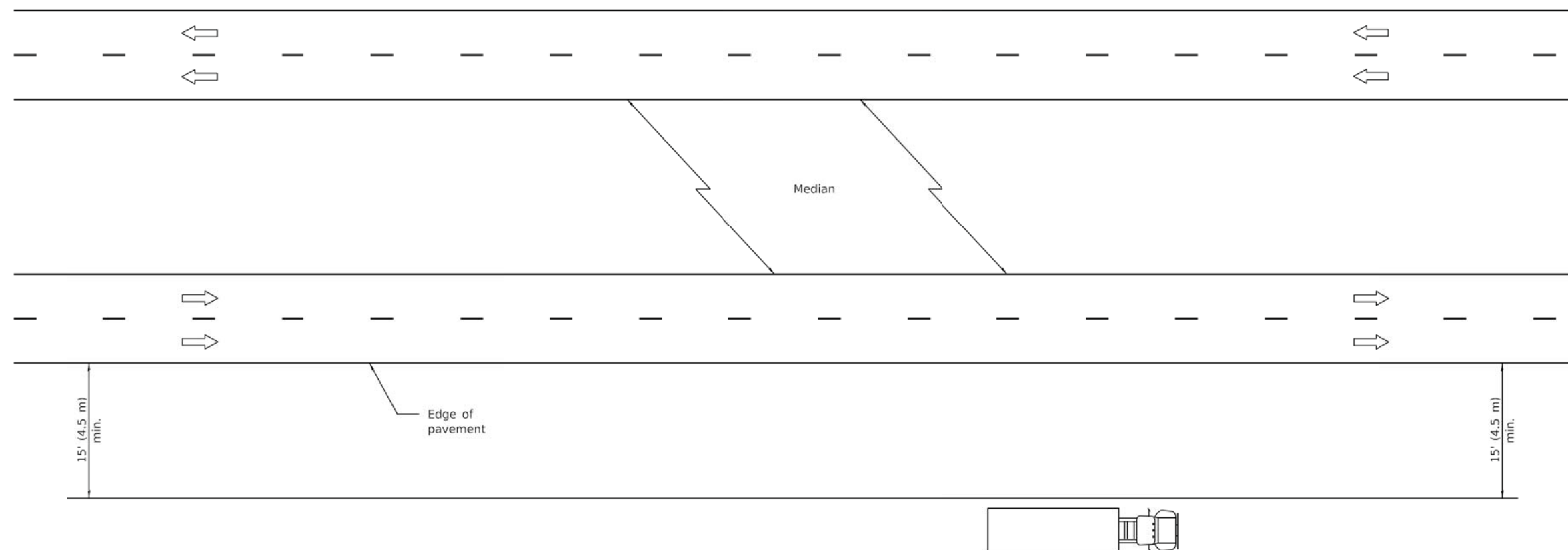
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STANDARDS
SHEET 11 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	37
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				

MODEL: D:\dft\it... FILE NAME: P:\0235\000535_02_Alpine_Road\CADD_Sheets\02353505-shc-Standard.dgn

DBS DB STERLIN CONSULTANTS, INC.
100 N. WICKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1000 FAX. (312)857-1055



Edge of pavement

Median

15' (4.5 m)
min.

15' (4.5 m)
min.

TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Fencing contracts

GENERAL NOTES

This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701101.

This Standard also applies to work performed in the median more than 15' (4.5 m) from either pavement.

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

Illinois Department of Transportation

PASSED January 1, 2009

 ENGINEER OF OPERATIONS

APPROVED January 1, 2009

 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-05	Switched units to English (metric).
1-1-05	Revised title.

**OFF-RD OPERATIONS, MULTILANE,
 MORE THAN 15' (4.5 m) AWAY**

STANDARD 701106-02

MODEL: D:\dft\... FILE NAME: P:\0035\0000\35_02_Alpine_Road\CADD_Sheets\023505-shc-Standard.dgn

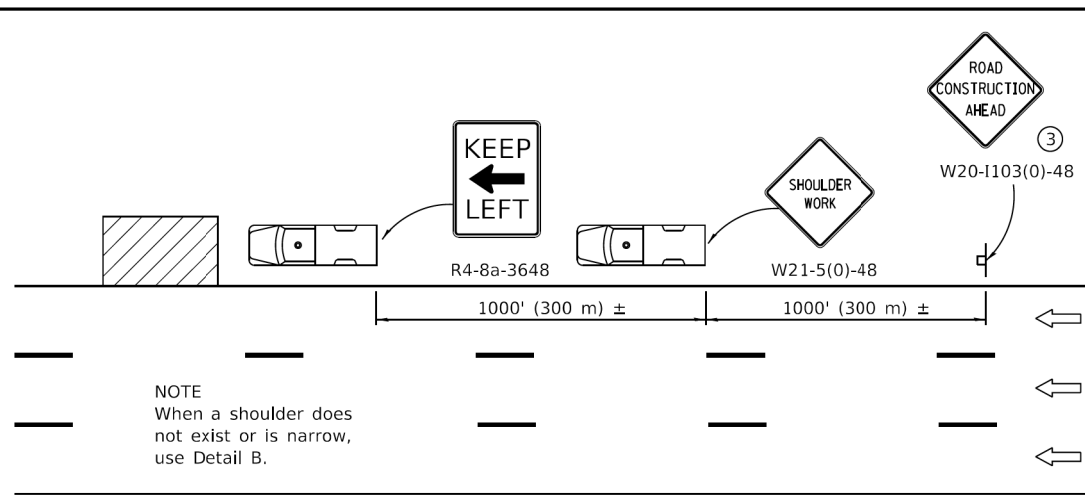
DBS DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1055

USER NAME = JSpears	DESIGNED - JS	REVISED -
PLOT SCALE = 50.0000 ' / in.	DRAWN - JS	REVISED -
PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

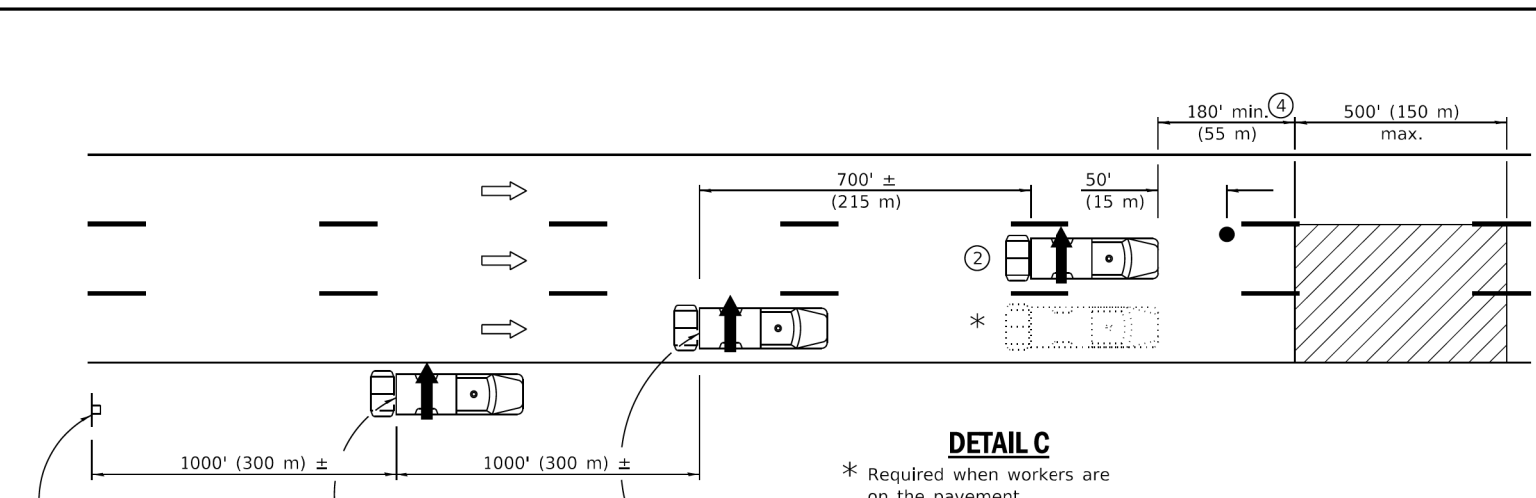
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STANDARDS
 SHEET 12 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	38
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



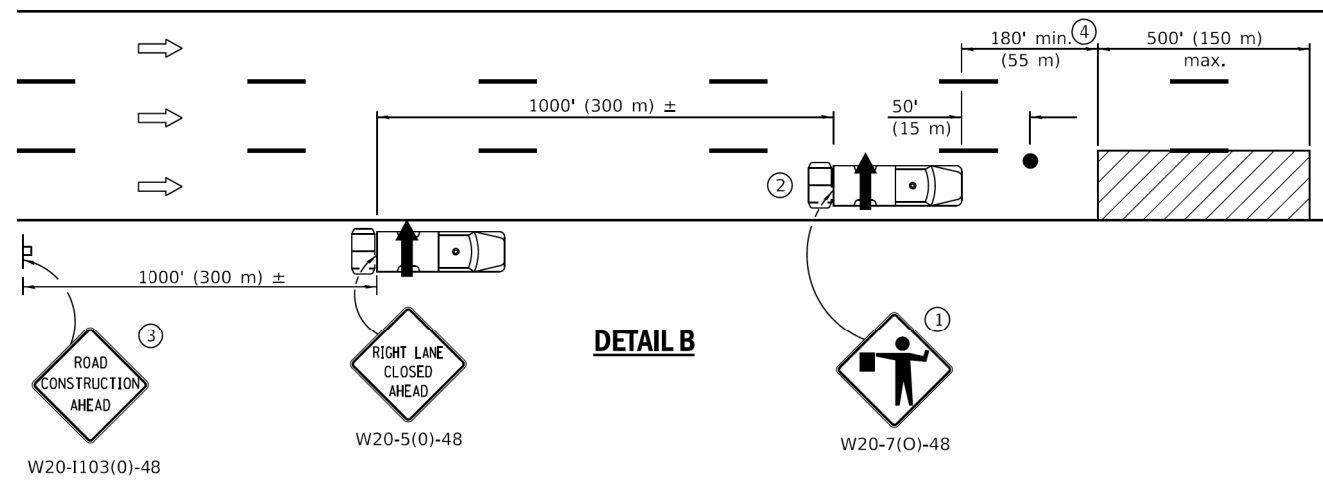
DETAIL A



DETAIL C

TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Pavement marking
- Weed spraying
- Roadometer measurements
- Debris cleanup
- Crack pouring



DETAIL B

- ① Flaggers are required when workers are on the pavement.
- ② For striping operations only. See sign arrow detail on this standard.
- ③ For stationary operations which are on the roadway or shoulder, greater than 15 minutes and up to 1 hour.
- ④ The distance between the work and the lead truck may vary according to terrain or paint/crack sealing drying time.



G20-1101-2430 (appropriate arrow) ② (when striping only)

GENERAL NOTES

This Standard is used where any vehicle, equipment, workers or their activities will require:
 1) stationary operations up to 1 hour, or 2) a continuous or intermittent moving operation where the average speed of movement is greater than 1 mph (2 km/h).

This Standard is also applicable when work is being performed in the left lane(s) or on the median shoulder. Under these conditions, KEEP RIGHT signs shall be substituted for KEEP LEFT signs and arrow board indications shall be directed to the right.

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

SYMBOLS

- ↑ Arrow board
- ▨ Work area
- 🚚 Truck with flashing amber light
- 🚛 Truck/Trailer mounted attenuator
- Flagger with traffic control sign
- ⊥ Sign

Illinois Department of Transportation

PASSED January 1, 2017
 ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2017
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-17	Revised 'NOTE' on DETAIL A to use DETAIL B in lieu of DETAIL C.
4-1-16	Added trailer option for attenuator symbol. Added note ④. Revised gen. notes.

LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH

STANDARD 701426-09

MODEL: 440DELMAMES
 FILE NAME: 57153

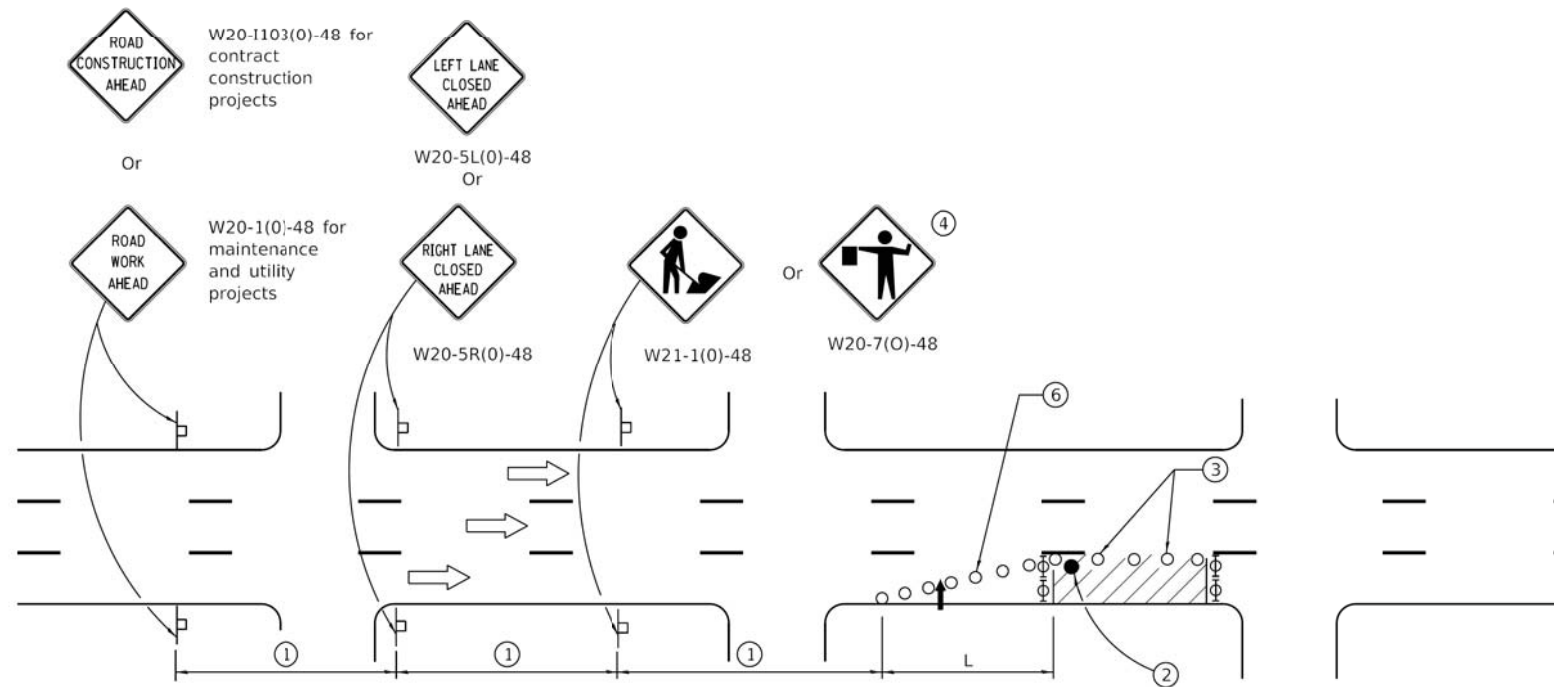
DBS DB STERLIN CONSULTANTS, INC.
 100 N. WILCOX DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1056

USER NAME = \$USERS	DESIGNED - JS	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - JS	REVISED -
PLOT DATE = \$DATE\$	CHECKED - MM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STANDARDS
 SHEET 13 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	SPRT\$	SPG#\$
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Arrow board
- Cone, drum or barricade
- Sign on portable or permanent support
- Work area
- Barricade or drum with flashing light
- Type III barricade with flashing lights
- Flagger with traffic control sign.

- ① Refer to SIGN SPACING TABLE for distances.
- ② Required for speeds > 40 MPH
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Use flagger sign only when flagger is present.
- ⑤ For approved sideroad closures.
- ⑥ Cones, drums or barricades at 20' (6 m) in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in urban areas.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L=(W)(S)$	$L=0.65(W)(S)$

W = Width of offset in feet (meters).
S = Normal posted speed mph (km/h).

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

Illinois Department of Transportation

PASSED January 1, 2014
ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
(Sheet 1 of 2)

STANDARD 701601-09

MODEL D:\dtd\it... FILE NAME: P:\0035\0001515_02... SHEET: 01233505-shc-Standard-09.dgn

DBS DB STERLIN CONSULTANTS, INC.
100 N. WILCOX DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1000 FAX. (312)857-1055

USER NAME = JSpears	DESIGNED - JS	REVISED -
	DRAWN - JS	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - MM	REVISED -
PLOT DATE = 3/27/2018	DATE -	REVISED -

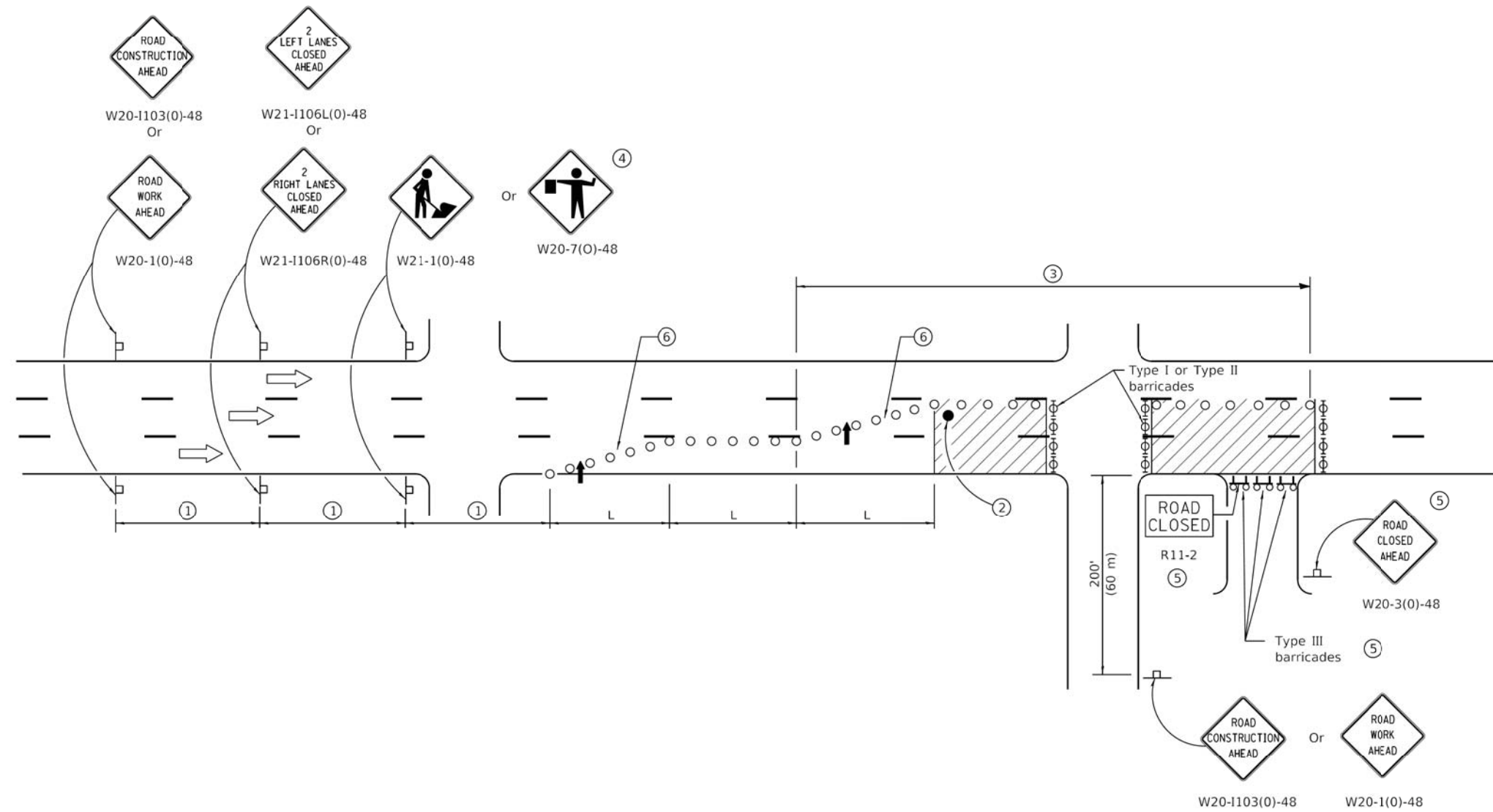
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARDS

SHEET 14 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	40

CONTRACT NO. 64M66
ILLINOIS FED. AID PROJECT



Illinois Department of Transportation

PASSED January 1, 2014
Amber Q. [Signature]
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**URBAN LANE CLOSURE,
 MULTILANE, 1W OR 2W WITH
 NONTRAVERSABLE MEDIAN**
 (Sheet 2 of 2)

STANDARD 701601-09

MODEL: D:\dft\it...
 FILE NAME: P:\0035\000035_02 Alpha Road\CADD_Sheets\023505-shc-Standard.dgn

DBS DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1055

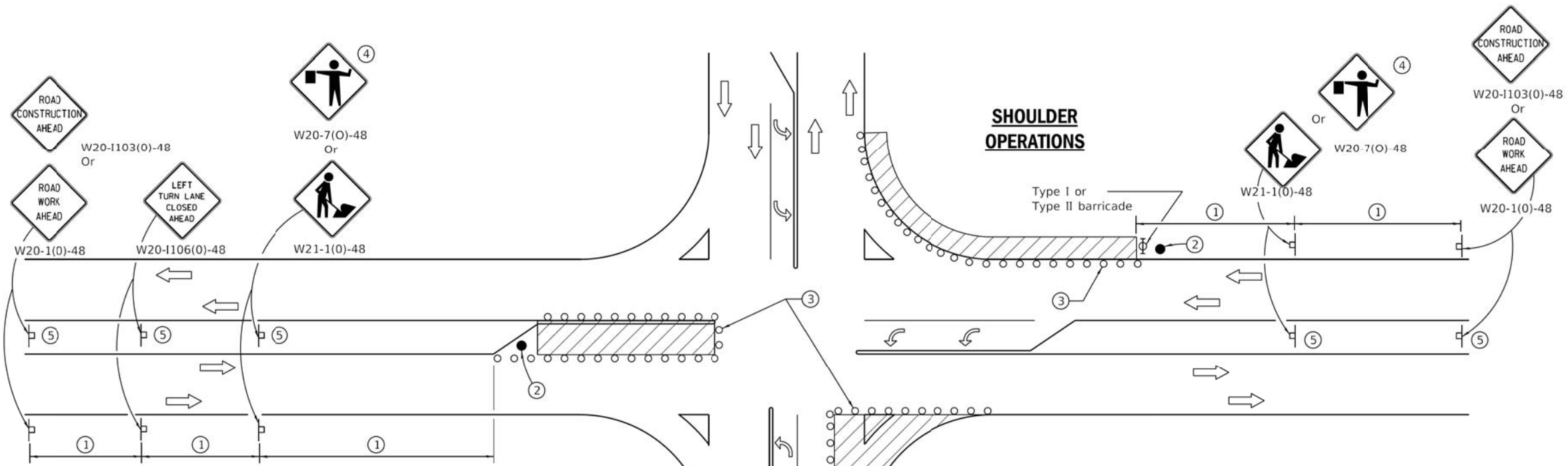
USER NAME = JSpears	DESIGNED - JS	REVISED -
DRAWN - JS	CHECKED - MM	REVISED -
PLOT SCALE = 50.0000" / in.	DATE -	REVISED -
PLOT DATE = 3/27/2018		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STANDARDS

SHEET 15 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M66	



LEFT TURN LANE OR CENTER MEDIAN OPERATIONS

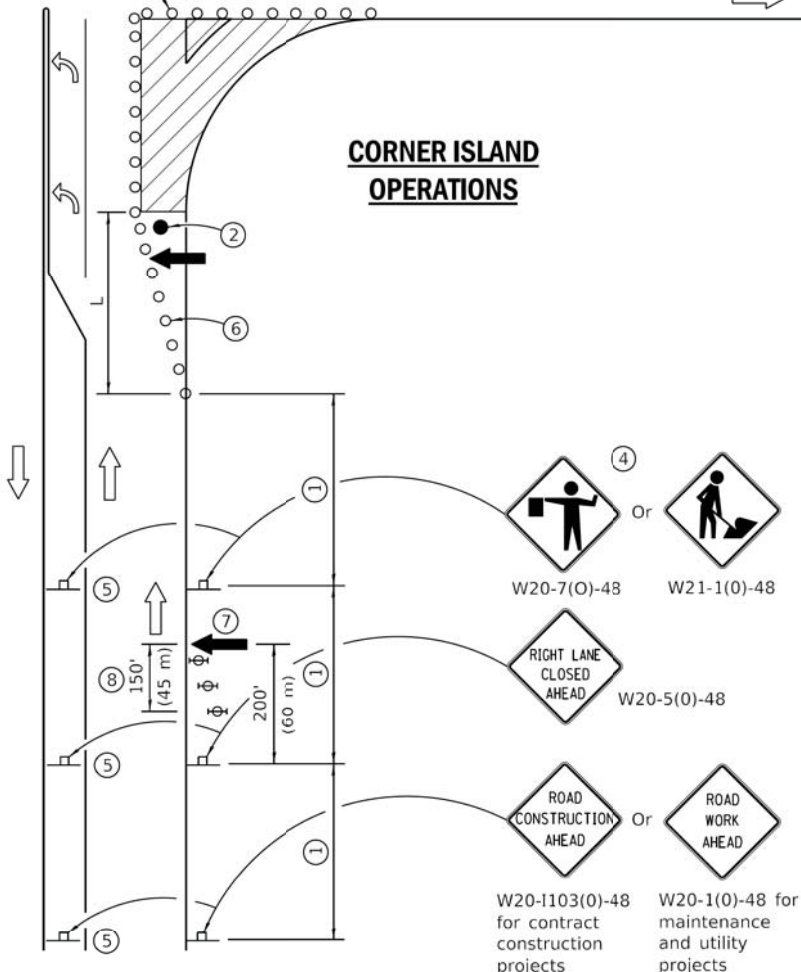
- ① Refer to SIGN SPACING TABLE for distance.
- ② Required for speed > 40 mph.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Use flagger sign only when flagger is present.
- ⑤ Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Advanced arrow board required for speeds > 45 mph.
- ⑧ Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade
- Sign on portable or permanent support
- Arrow board
- Barricade or drum with flashing light
- Flagger with traffic control sign

CORNER ISLAND OPERATIONS



GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

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

Illinois Department of Transportation

PASSED April 1, 2016
Amber Q. [Signature]
 ENGINEER OF SAFETY ENGINEERING

APPROVED April 1, 2016
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
4-1-16	Corrected sign number for LEFT TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board upstream from taper. Rev. workers sign number.

URBAN LANE CLOSURE, MULTILANE INTERSECTION

STANDARD 701701-10

MODEL: D:\dft\11... FILE NAME: P:\00255-000\515-05... SHEET: 16 OF 24

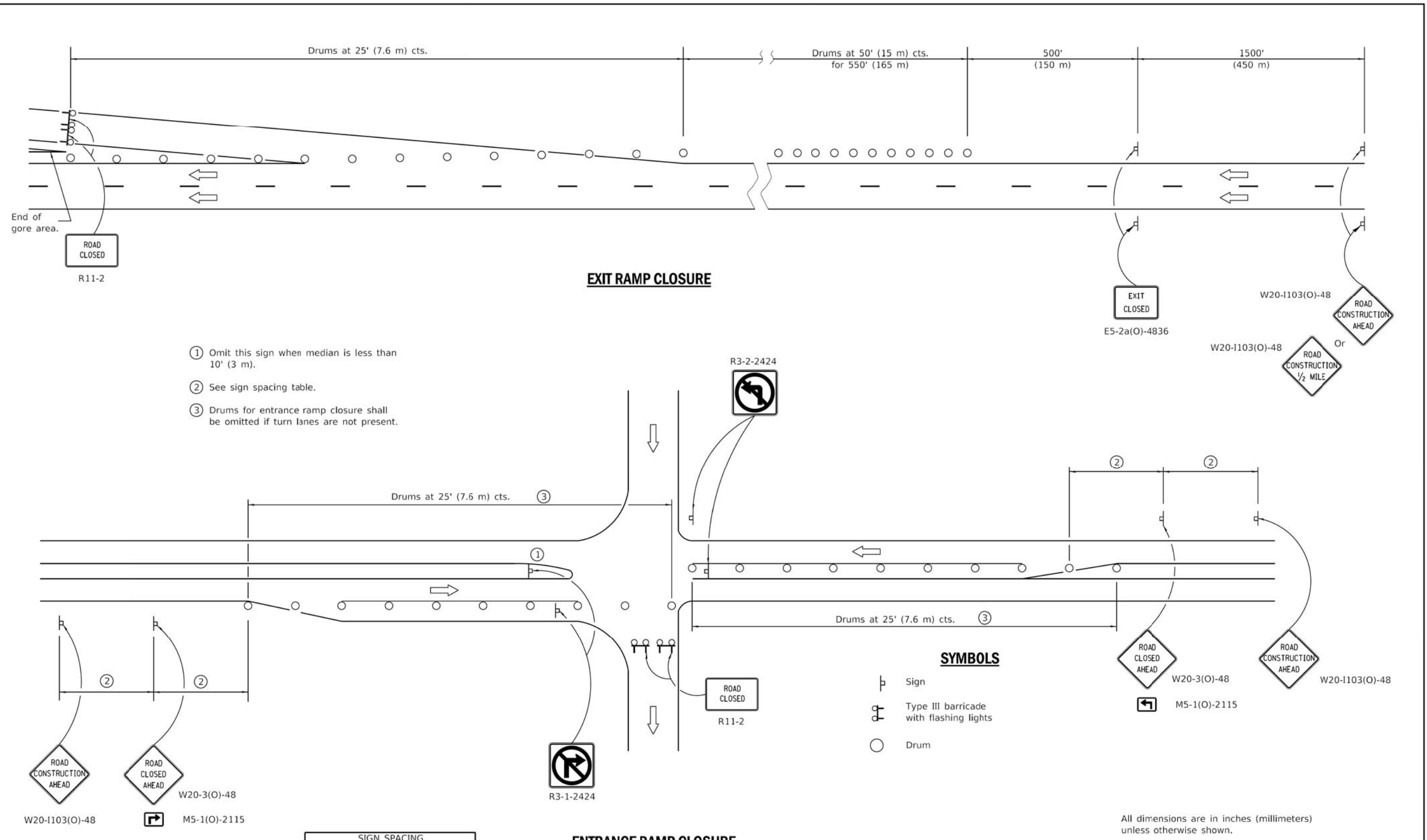
DBS DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1055

USER NAME = JSpears	DESIGNED - JS	REVISED -
PLOT SCALE = 50,0000 ' / in.	DRAWN - JS	REVISED -
PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STANDARDS
SHEET 16 OF 24 SHEETS

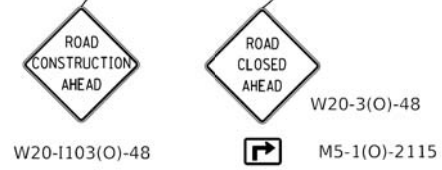
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	42
			CONTRACT NO. 64M66	
		ILLINOIS FED. AID PROJECT		



- ① Omit this sign when median is less than 10' (3 m).
- ② See sign spacing table.
- ③ Drums for entrance ramp closure shall be omitted if turn lanes are not present.

SYMBOLS

- ▬ Sign
- ⊕ Type III barricade with flashing lights
- Drum



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

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

Illinois Department of Transportation

PASSED January 1, 2018
Paul J. ...
 ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2018
Monica M. ...
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-08 601

DATE	REVISIONS
1-1-18	Omitted lights from drums.
1-1-17	Added flashing lights to Type III barricade.

**RAMP CLOSURE
 FREEWAY/EXPRESSWAY**

STANDARD 701451-05

MODEL: D:\dft\it... FILE NAME: P:\00035\00035_02_Alpine_Road\CADD_Sheets\0233505-shc-Standard.dgn

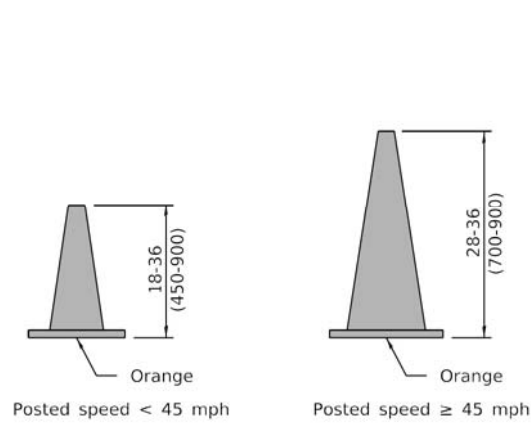
DBS DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1055

USER NAME = JSpears	DESIGNED - JS	REVISED -
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PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

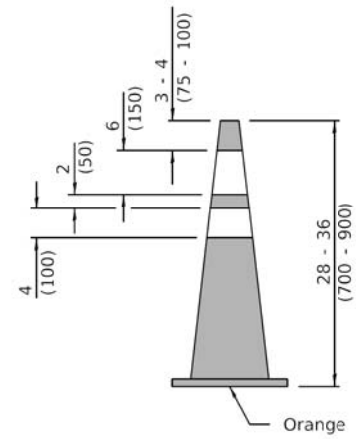
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STANDARDS
 SHEET 18 OF 24 SHEETS

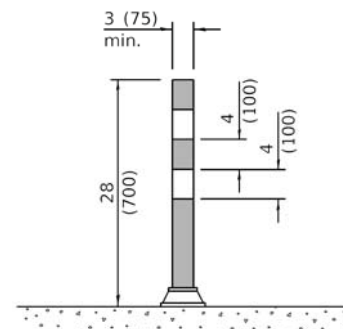
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	44
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



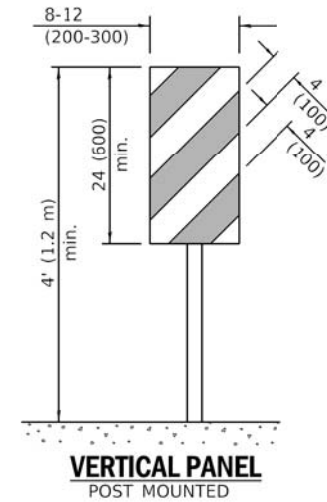
CONE FOR DAYTIME



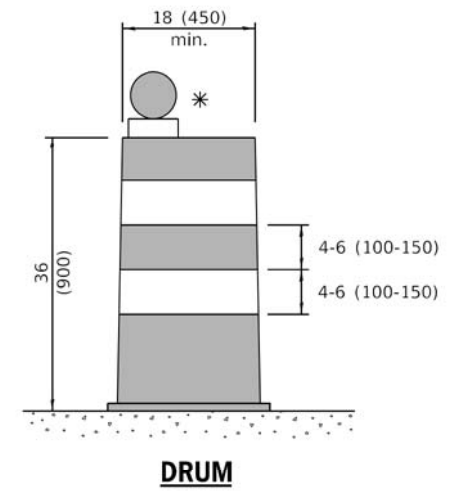
REFLECTORIZED CONE FOR NIGHTTIME



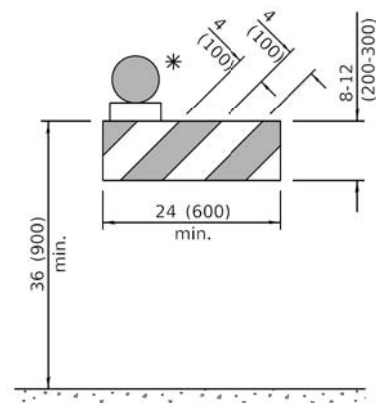
TUBULAR MARKER



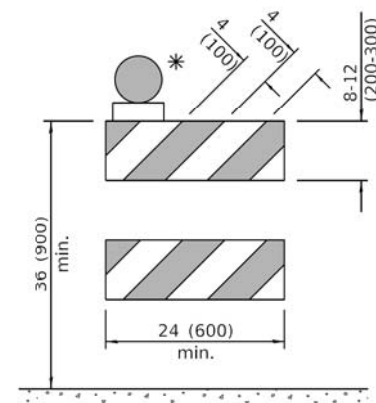
VERTICAL PANEL POST MOUNTED



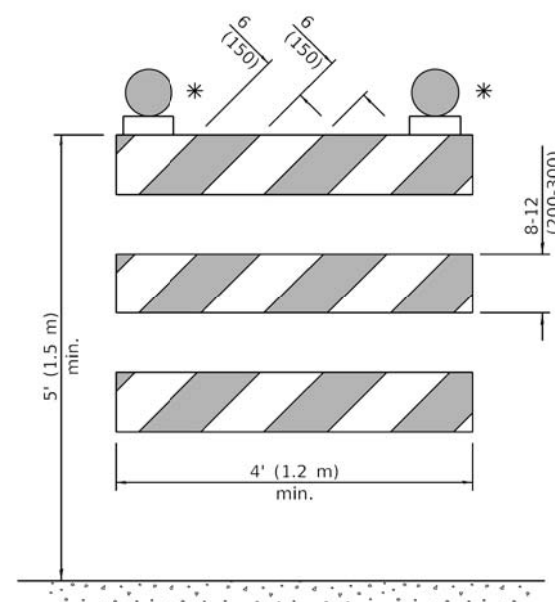
DRUM



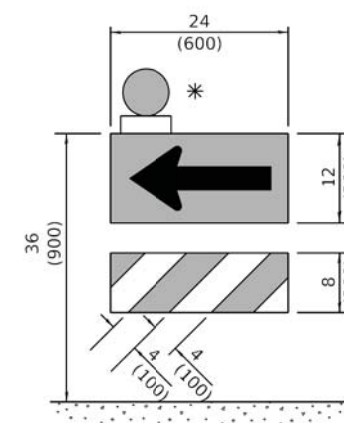
TYPE I BARRICADE



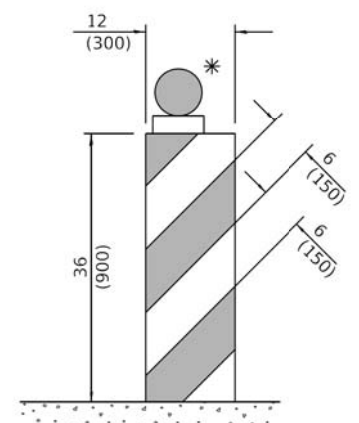
TYPE II BARRICADE



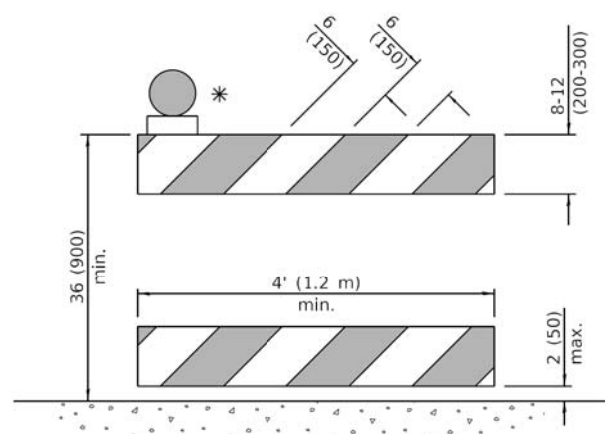
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

* Warning lights (if required)

GENERAL NOTES
 All heights shown shall be measured above the pavement surface.
 All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2018
 ENGINEER OF OPERATIONS
 APPROVED January 1, 2018
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

DATE	REVISIONS
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.
1-1-17	Changed FLEXIBLE DELINEATOR to TUBULAR MARKER.

TRAFFIC CONTROL DEVICES
 (Sheet 1 of 3)
STANDARD 701901-07

MODEL: D:\dft\... FILE NAME: P:\0035\0001515_02 Alpine Road\CADD_Sheet\023505-shc-Standard.dgn

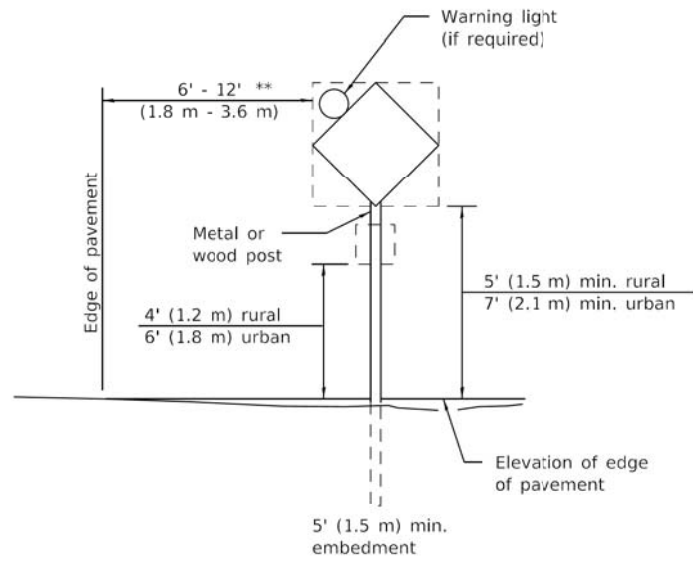
DBS DB STERLIN CONSULTANTS, INC.
 100 N. WILSON DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1056

USER NAME = JSpears	DESIGNED - JS	REVISED -
PLOT SCALE = 50.0000 "/td> <td>DRAWN - JS</td> <td>REVISED -</td>	DRAWN - JS	REVISED -
PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

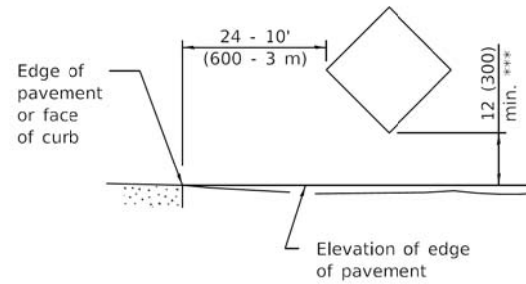
STANDARDS
 SHEET 19 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	45
			CONTRACT NO. 64M66	
ILLINOIS FED. AID PROJECT				



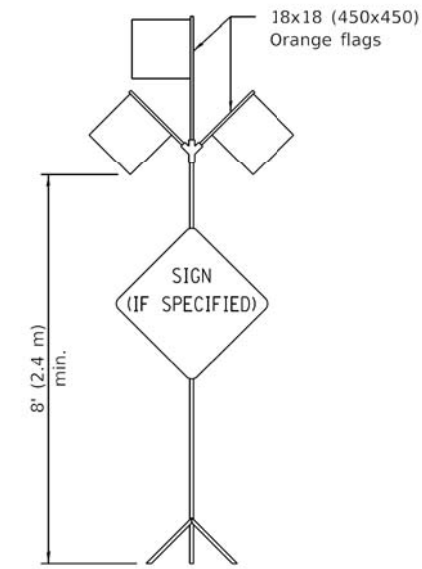
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



HIGH LEVEL WARNING DEVICE

ROAD CONSTRUCTION NEXT X MILES	END CONSTRUCTION
G20-1104(0)-6036	G20-1105(0)-6024

This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING

WORK ZONE	W21-III5(0)-3618
SPEED LIMIT	R2-1-3648
XX	
PHOTO ENFORCED	R10-1108p-3618 ****
SXXX FINE MINIMUM	R2-1106p-3618

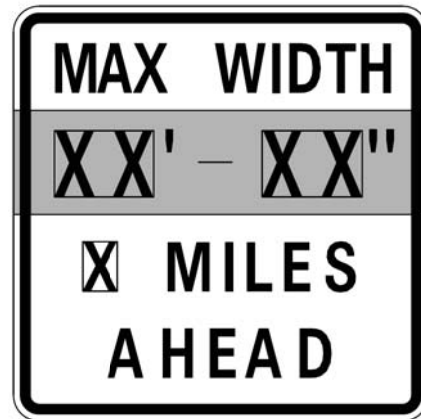
Sign assembly as shown on Standards or as allowed by District Operations.

END WORK ZONE SPEED LIMIT	G20-1103-6036
---------------------------	---------------

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

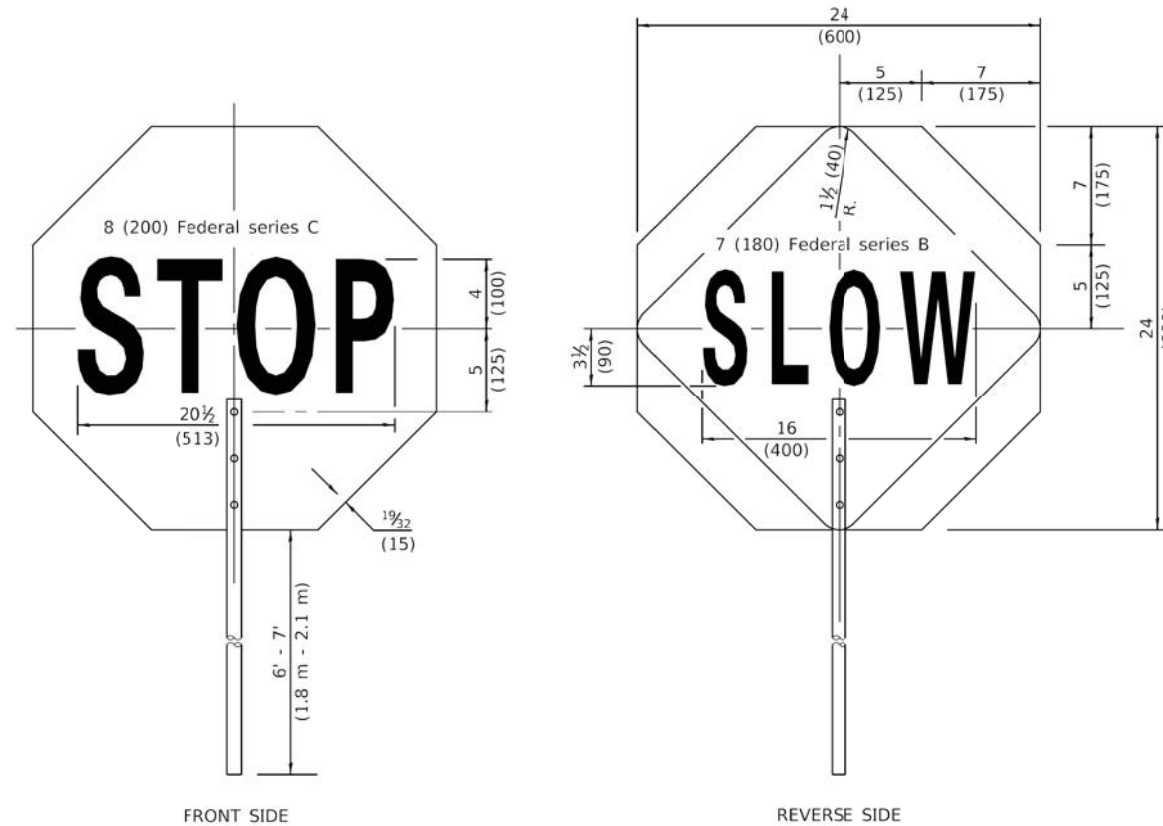
**** R10-1108p shall only be used along roadways under the jurisdiction of the State.



W12-1103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.



FLAGGER TRAFFIC CONTROL SIGN

Illinois Department of Transportation	
PASSED January 1, 2018	ISSUED 1-1-97
<i>Jerry Allen</i> ENGINEER OF OPERATIONS	
APPROVED January 1, 2018	
<i>Maureen M. Adams</i> ENGINEER OF DESIGN AND ENVIRONMENT	

TRAFFIC CONTROL DEVICES	
(Sheet 2 of 3)	
STANDARD 701901-07	

MODEL: D:\dft\... FILE NAME: P:\0035\0005135_02_Alpine Road\CADD_Sheets\023505-shc-Standards.dgn



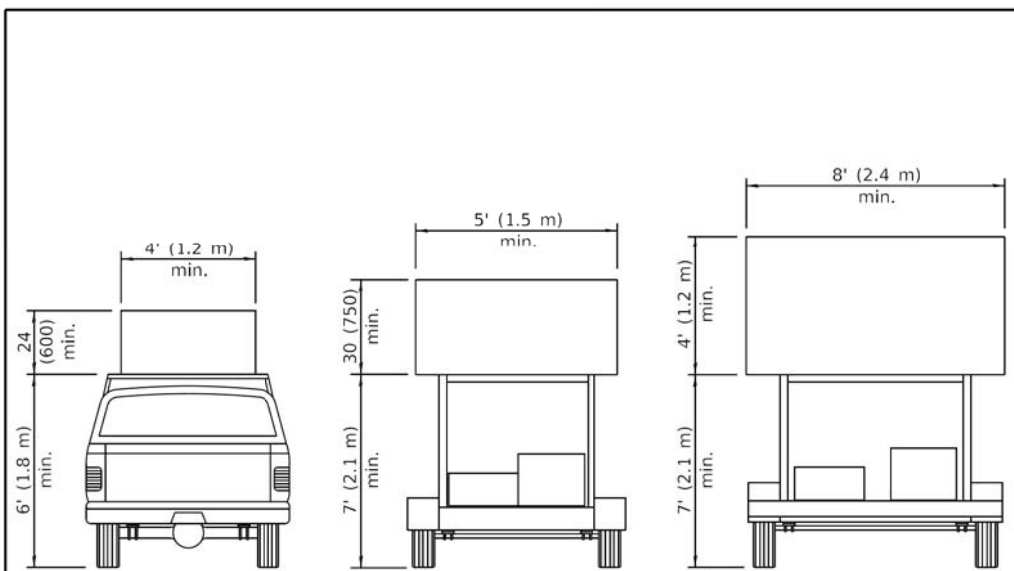
USER NAME = JSpears	DESIGNED - JS	REVISED -
PLOT SCALE = 50.0000 "/>		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

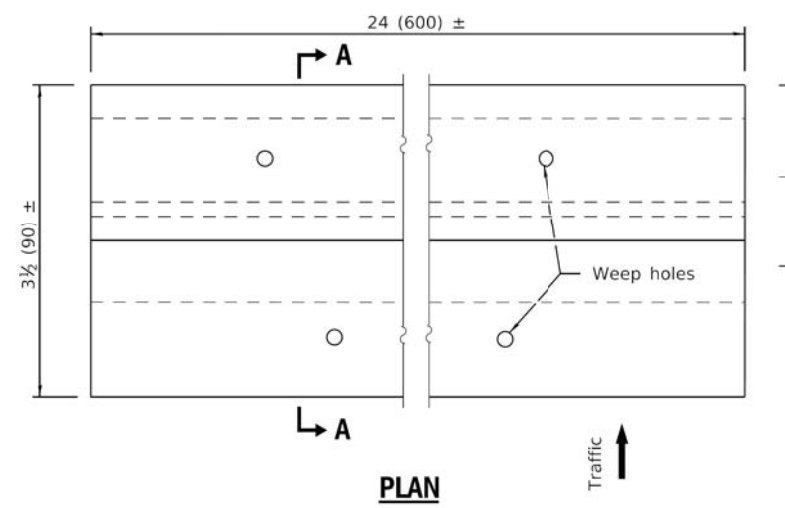
STANDARDS

SHEET 20 OF 24 SHEETS

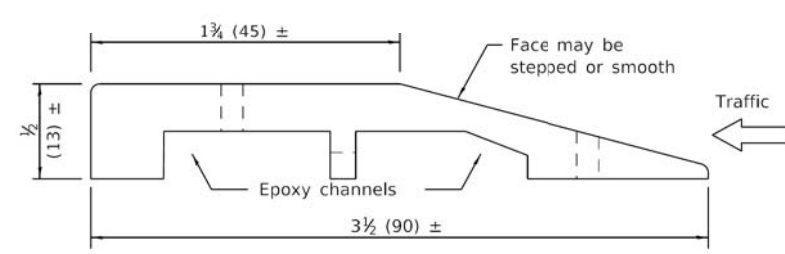
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	46
			CONTRACT NO. 64M66	
ILLINOIS FED. AID PROJECT				



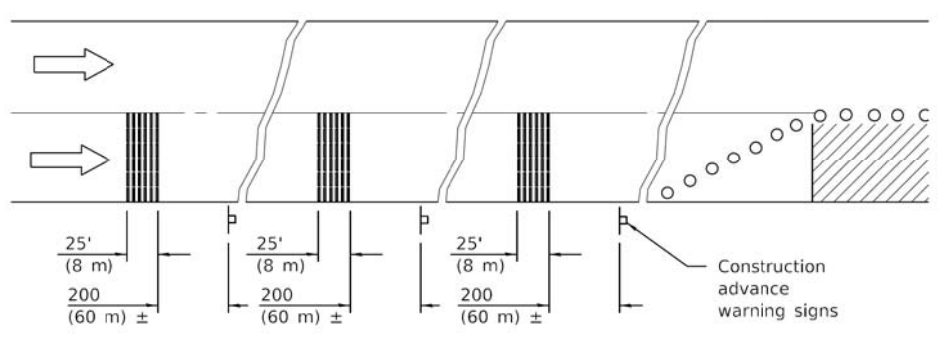
ARROW BOARDS



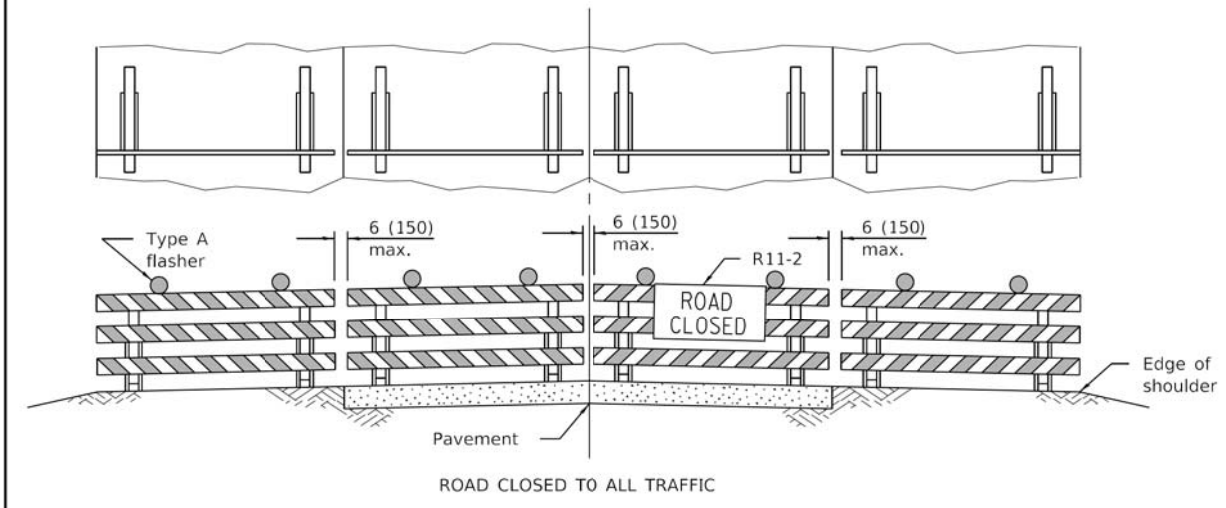
PLAN



SECTION A-A



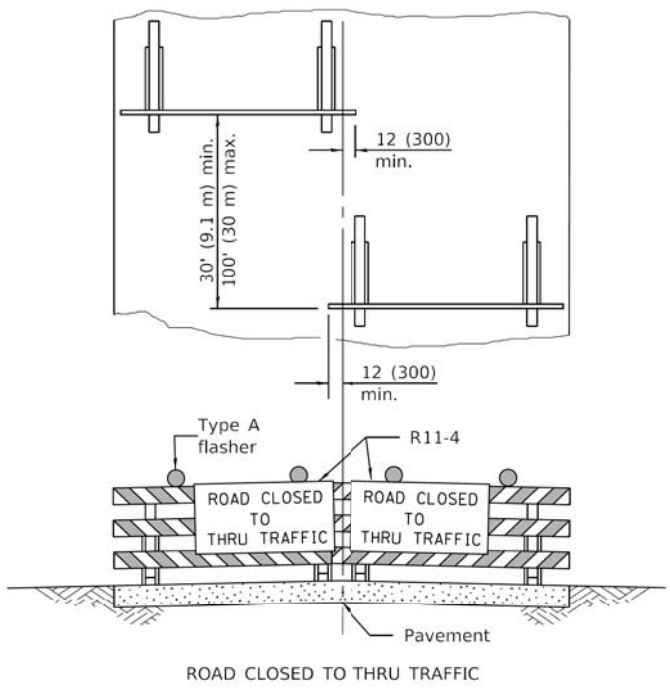
TYPICAL INSTALLATION



ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the sign may be mounted on an NCHRP 350 temporary sign support directly in front of the barricade.

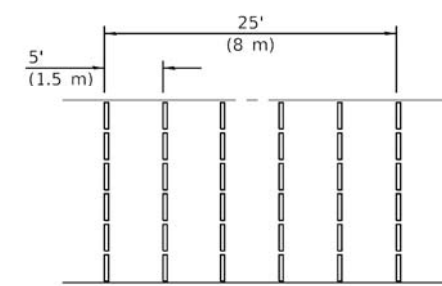
TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD



ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricades. If a Type III barricade with an attached sign panel which meets NCHRP 350 is not available, the signs may be mounted on NCHRP 350 temporary sign supports directly in front of the barricade.

TEMPORARY RUMBLE STRIPS



Illinois Department of Transportation

PASSED January 1, 2018
 ENGINEER OF OPERATIONS
 APPROVED January 1, 2018
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-07

MODEL: D:\dft\... FILE NAME: P:\02535-000\535-02 Alpine Road\CADD_Sheet\0253505-shc-Standard.dgn

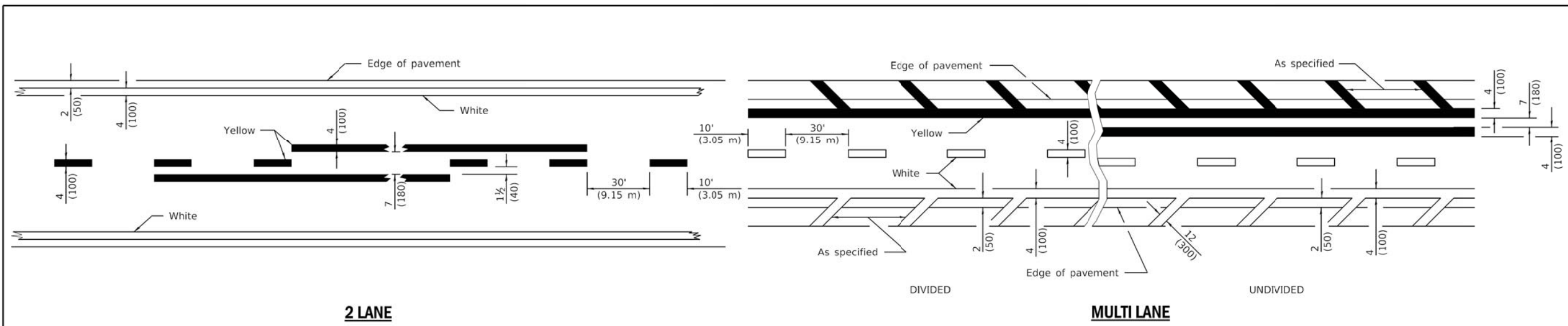
DBS DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1055

USER NAME = JSpears	DESIGNED - JS	REVISED -
PLOT SCALE = 50.0000 "/in.	DRAWN - JS	REVISED -
PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

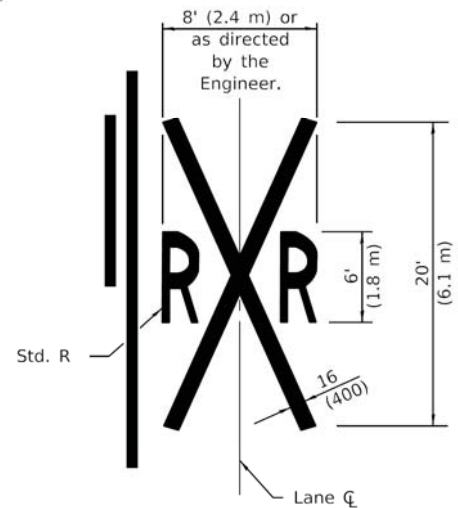
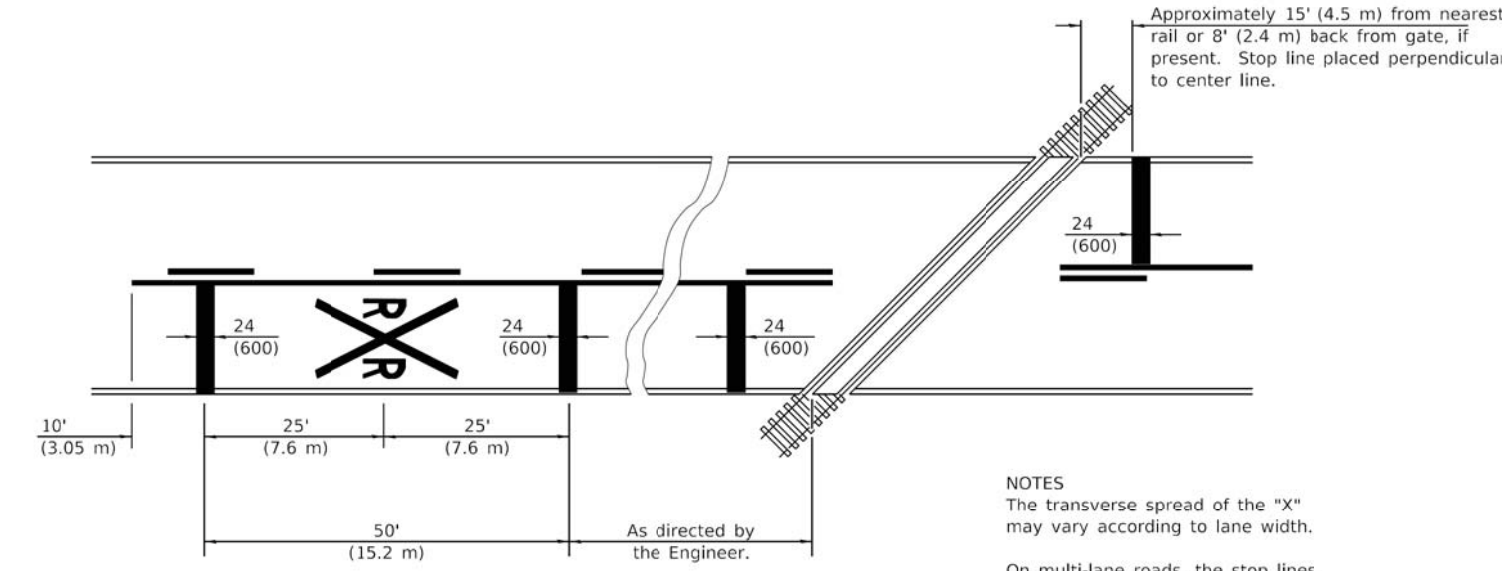
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STANDARDS
 SHEET 21 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	47
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



LANE AND EDGE LINES



NOTES
 The transverse spread of the "X" may vary according to lane width.
 On multi-lane roads, the stop lines shall extend across all approach lanes and separate RXR symbols shall be placed adjacent to each other in each lane.
 When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table 2C-4, Condition B of the MUTCD.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

DATE	REVISIONS
1-1-15	Added symbols. Revised bike symbol. Revised note for stop line at RR crossing.
1-1-14	Added bike symbol. Renamed 'LANE DROP ARROW' detail to 'LANE-REDUCTION ARROW'.

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

TYPICAL PAVEMENT MARKINGS

STANDARD 780001-05

Illinois Department of Transportation

PASSED January 1, 2015
 ENGINEER OF OPERATIONS
 APPROVED January 1, 2015
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

MODEL: D:\dft\it...
 FILE NAME: P:\0035\0001515_02_Alpine_Road\CADD_Sheets\023505-shc-Standard.dgn

DBS DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1055

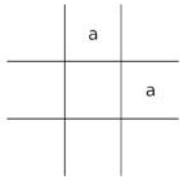
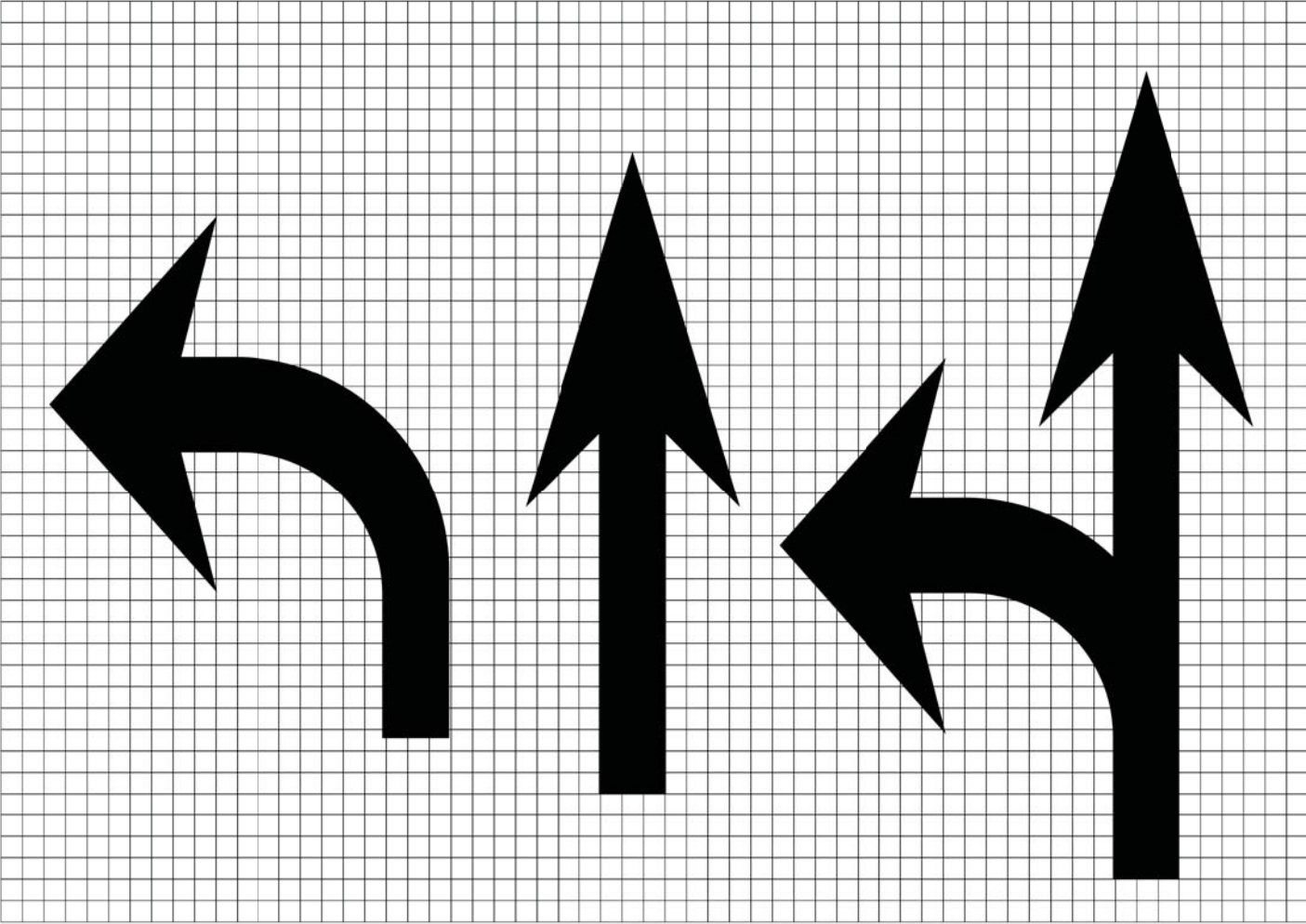
USER NAME = JSpears	DESIGNED - JS	REVISED -
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PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STANDARDS

SHEET 22 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	48
			CONTRACT NO. 64M66	
ILLINOIS FED. AID PROJECT				



Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

The space between adjacent letters or numerals should be approximately 3 (75) for 6' (1.8 m) legend and 4 (100) for 8' (2.4 m) legend.

LETTER AND ARROW GRID SCALE

Illinois Department of Transportation
 PASSED January 1, 2015
Jerry Allen
 ENGINEER OF OPERATIONS
 APPROVED January 1, 2015
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT
 ISSUED 1-1-97

TYPICAL PAVEMENT MARKINGS
 (Sheet 2 of 3)
STANDARD 780001-05

MODEL: D:\dft\11...
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DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL. (312)857-1000 FAX. (312)857-1055

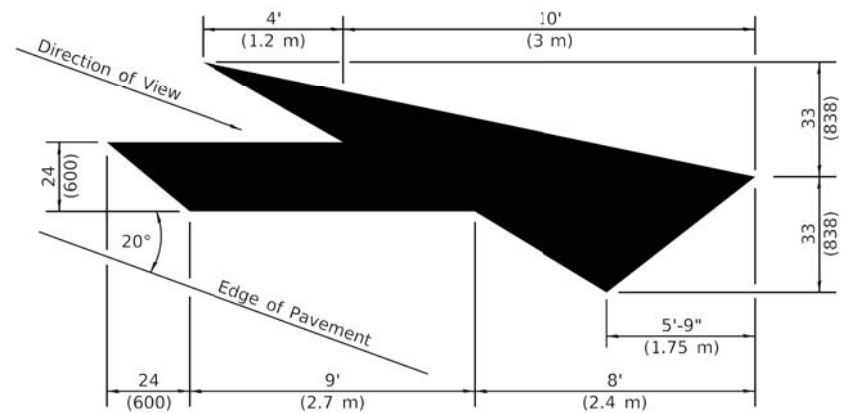
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	DRAWN - JS	REVISED -
PLOT SCALE = 50,0000 ' / in.	CHECKED - MM	REVISED -
PLOT DATE = 3/27/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

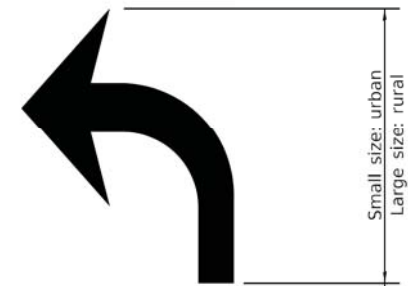
STANDARDS

SHEET 23 OF 24 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	D2 BJR 2018-5	WINNEBAGO	53	49
CONTRACT NO. 64M66				
ILLINOIS FED. AID PROJECT				



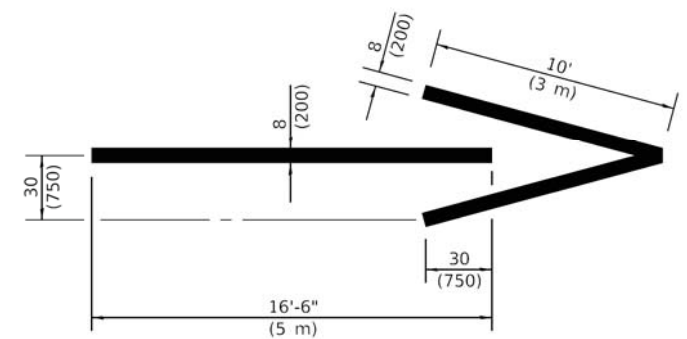
LANE-REDUCTION ARROW
 Right lane-reduction arrow shown.
 Use mirror image for left lane.



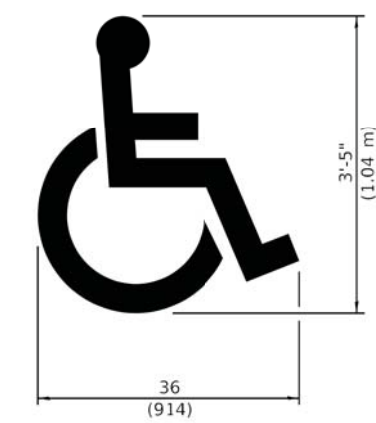
20' (6 m): urban
 50' (15 m): rural
 (Between arrow
 and word or
 between words)



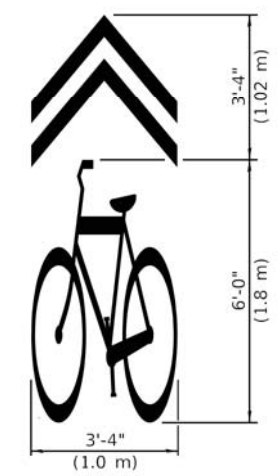
WORD AND ARROW LAYOUT



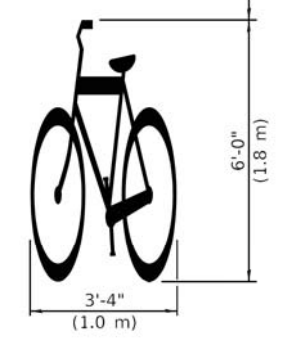
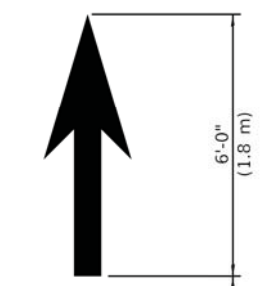
WRONG WAY ARROW



**INTERNATIONAL
 SYMBOL OF
 ACCESSIBILITY**



**SHARED LANE
 SYMBOL**



BIKE SYMBOL
 (Arrow is optional.)

Illinois Department of Transportation

PASSED January 1, 2015
Amy Allen
 ENGINEER OF OPERATIONS

APPROVED January 1, 2015
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TYPICAL PAVEMENT MARKINGS

(Sheet 3 of 3)

STANDARD 780001-05

MODEL: D:\dft\...
 FILE NAME: P:\0035\00015\02 Alpha Road\CADD Sheets\023505-shc-Standard.dgn

DBS DB STERLIN CONSULTANTS, INC.
 100 N. WICKER DRIVE SUITE 2000
 CHICAGO, ILLINOIS 60606
 TEL: (312)857-1000 FAX: (312)857-1006

USER NAME = JSpears	DESIGNED - JS	REVISED -
PLOT SCALE = 50.0000 ' / in.	DRAWN - JS	REVISED -
PLOT DATE = 3/27/2018	CHECKED - MM	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

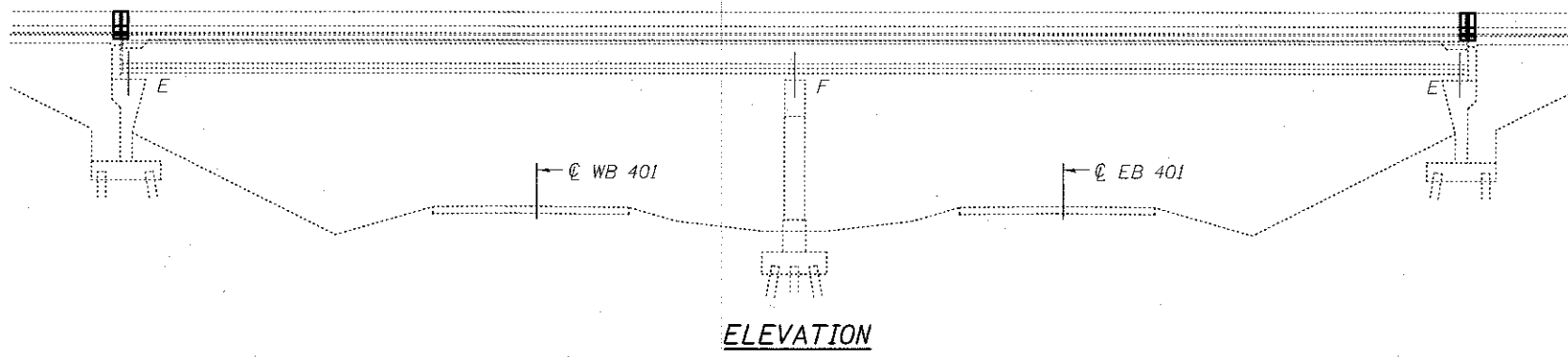
STANDARDS

SHEET 24 OF 24 SHEETS

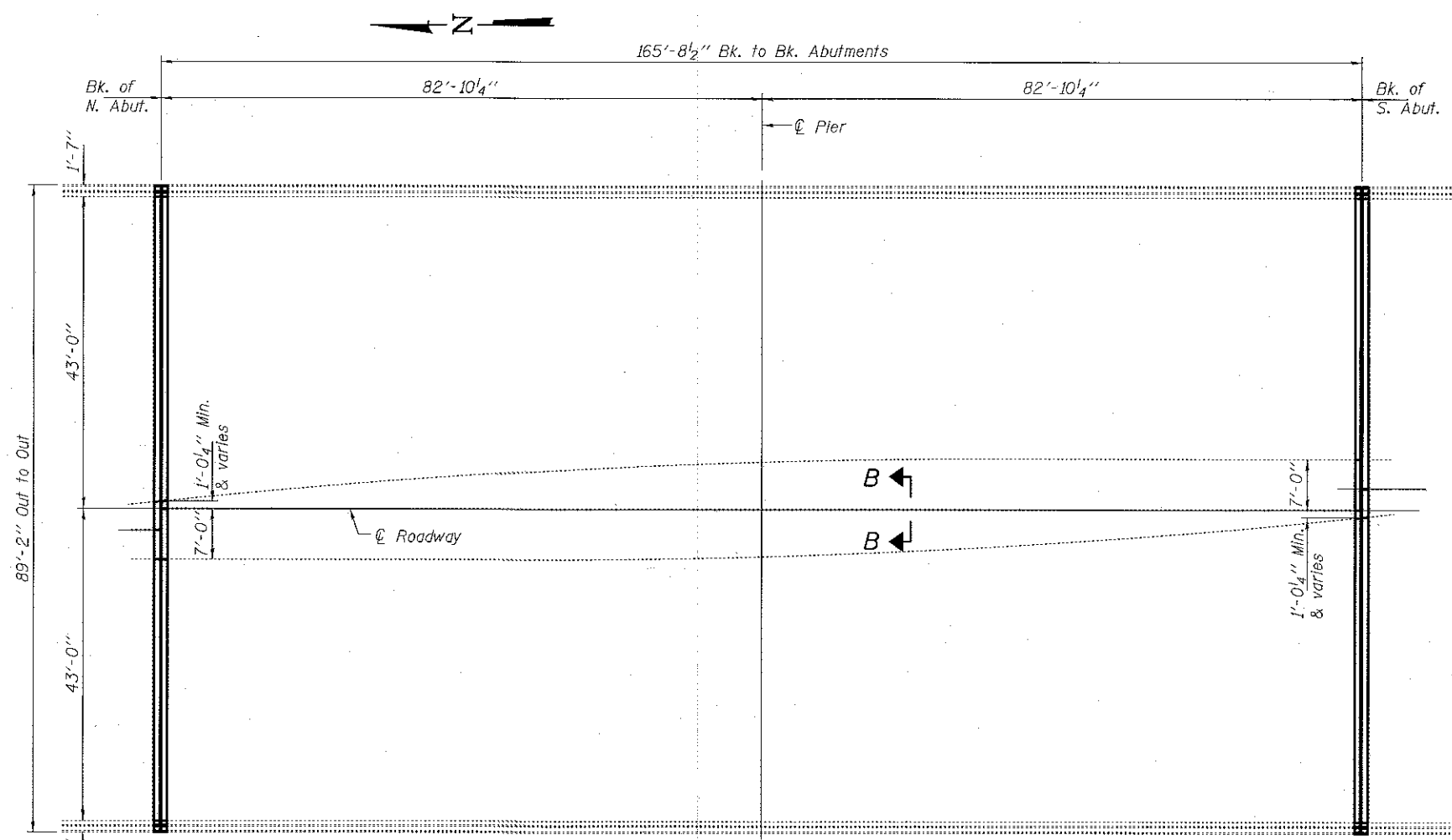
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412	D2 BJR 2018-5	WINNEBAGO	53	50
			CONTRACT NO. 64M66	
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
 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 Std. Specs. when the deck is poured at an ambient temperature other than 50° F.
 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.
 The deck surface shall have its final finish tined according to Article 420.09(a)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

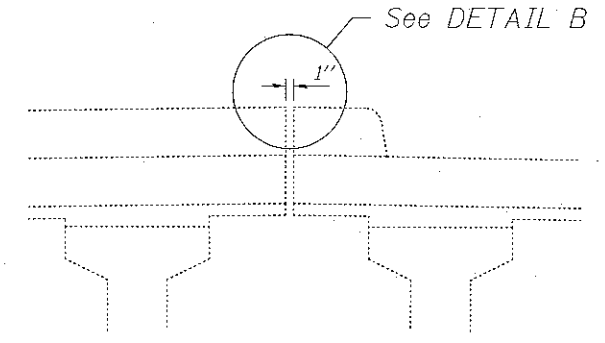


ELEVATION

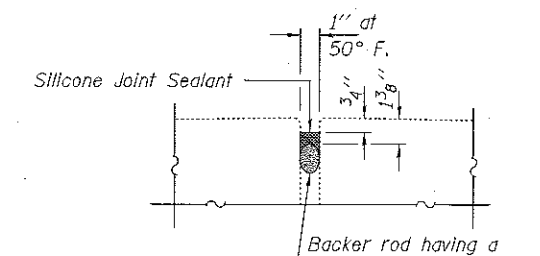


PLAN

Remove & replace expansion joints.



SECTION B-B



DETAIL B

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	6.8
Concrete Superstructure	Cu. Yd.	6.5
Preformed Joint Strip Seal	Foot	179
Reinforcement Bars, Epoxy Coated	Pound	920
* Protective Coat	Sq. Yd.	34
** Deck Slab Repair (Partial Depth)	Sq. Yd.	50
Silicone Joint Sealer 1"	Foot	166

* On new concrete only.

** The quantity is estimated. Actual location and dimensions of patches to be determined by the Engineer in the field.



EXPIRES 11-30-2018

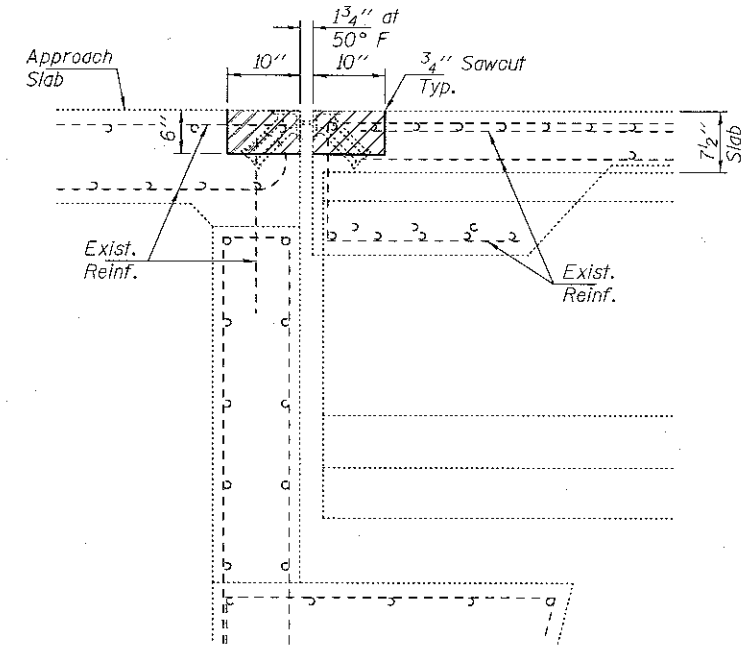
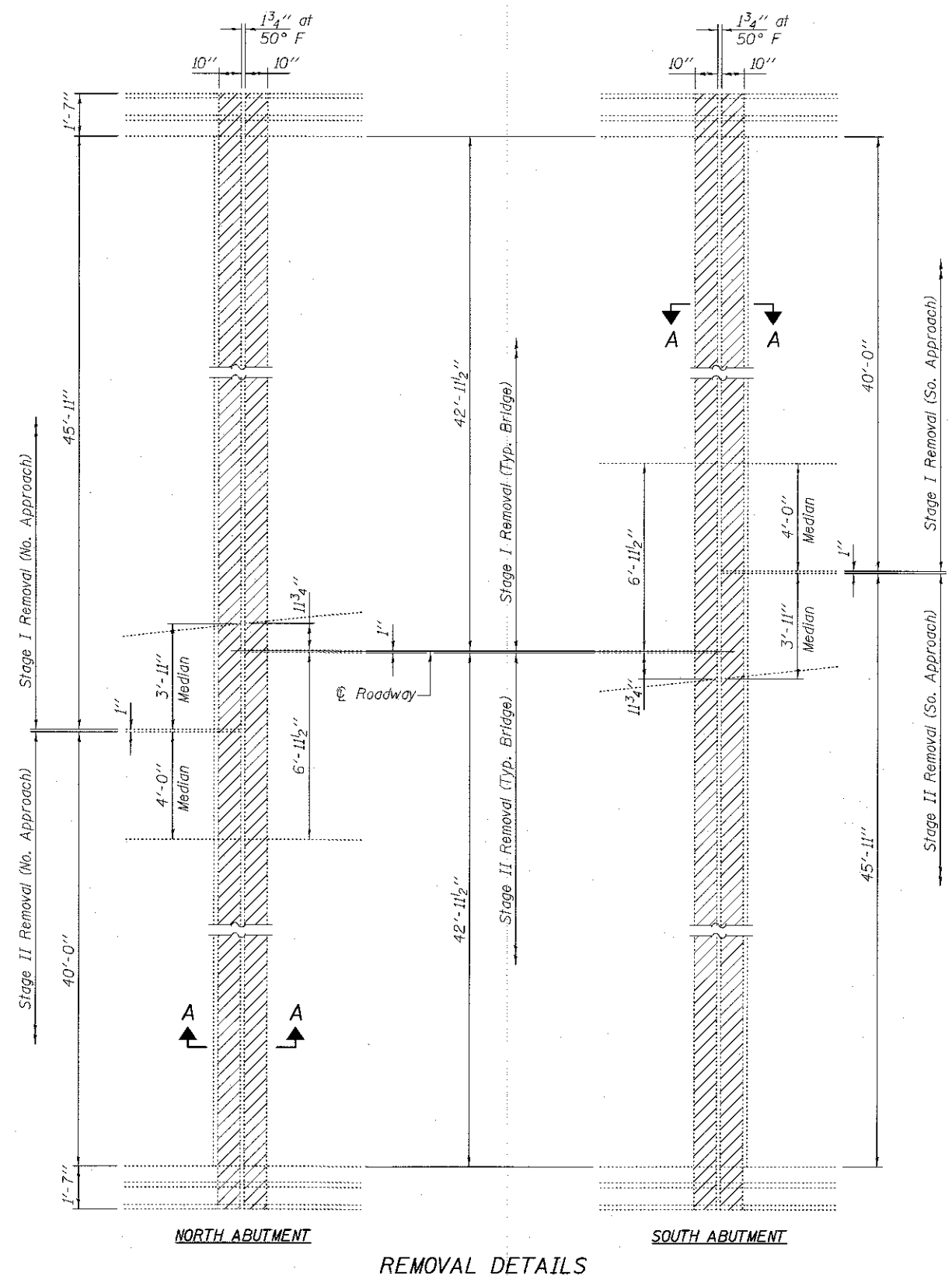
DESIGNED <i>Michaela L. Dolling</i>	EXAMINED <i>Tracy A. Doherty</i>	DATE MAY 4, 2018
CHECKED <i>Alvan T. Holloway</i>	PASSED <i>David Carl Plizey</i>	REVISIONS
DRAWN <i>Daliva</i>	ENGINEER OF STRUCTURAL SERVICES	REVISIONS
CHECKED <i>MLP ATH</i>	ENGINEER OF BRIDGES AND STRUCTURES	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND ELEVATION
ALPINE ROAD OVER FAP 412 (US 20)
SN 101-0151**

F.A.P. RTE. 412	SECTION 02 BUR 2018-5	COUNTY WINNEBAGO	TOTAL SHEETS 55	SHEET NO. 51
CONTRACT NO. 60M66			ILLINOIS FED. AID PROJECT	

SHEET NO. 1 OF 5 SHEETS



SECTION A-A

REMOVAL DETAILS

Note:
Hatched areas indicate concrete removal.

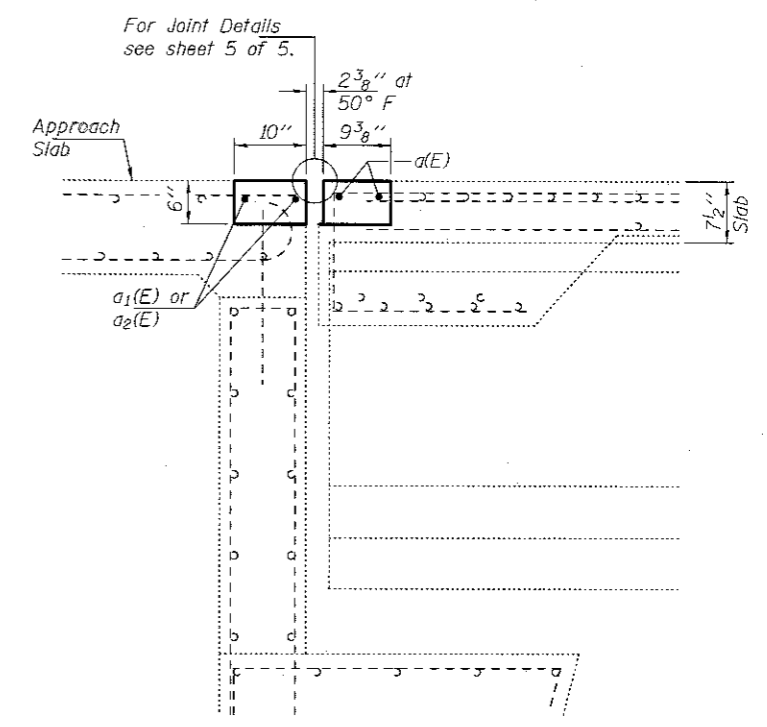
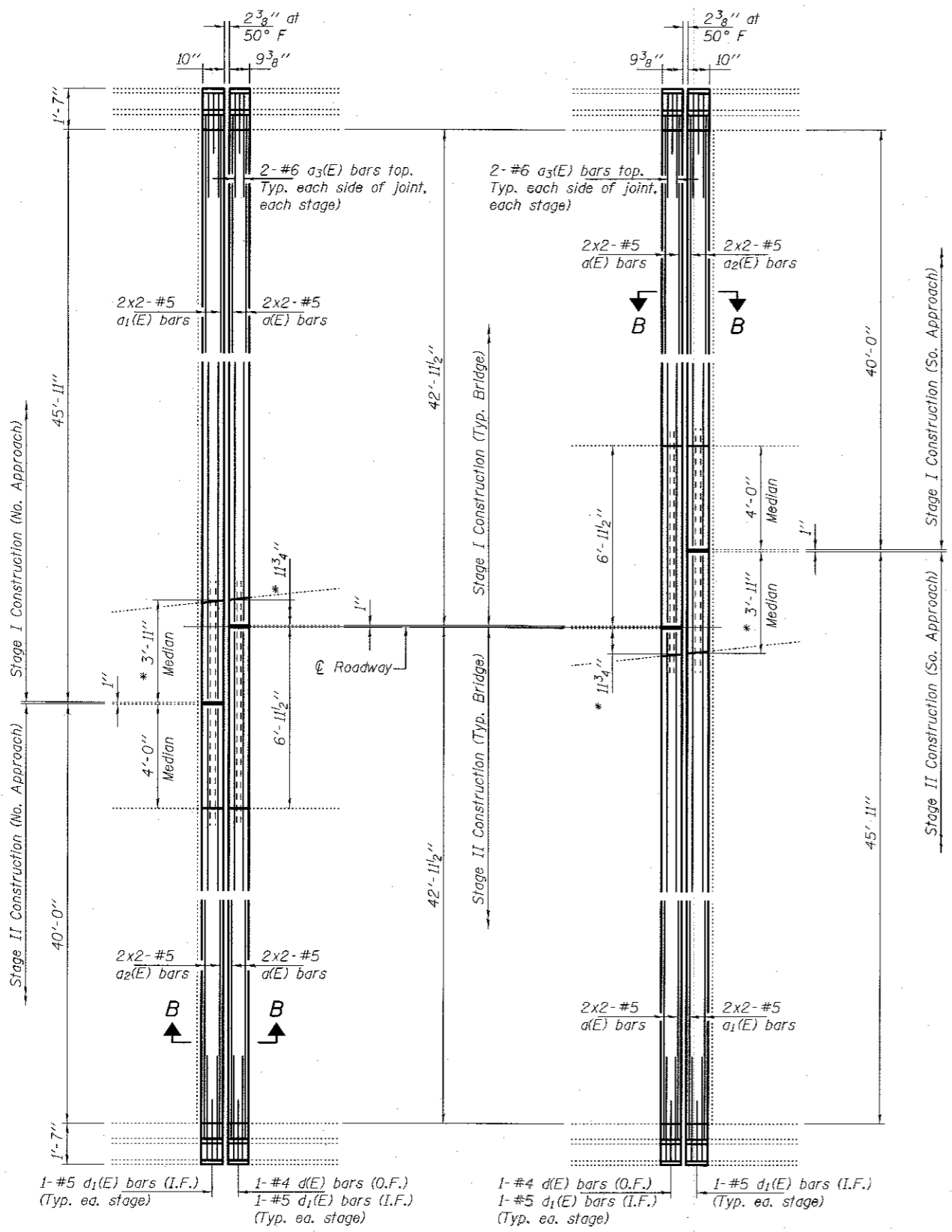
DESIGNED MLD	EXAMINED <i>Imoty A. ...</i>	DATE MAY 4, 2018
CHECKED ATH	ENGINEER OF STRUCTURAL SERVICES	
DRAWN baliva	PASSED <i>Carl ...</i>	REVISOR
CHECKED MLD ATH	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL DETAILS
SN 101-0151

SHEET NO. 2 OF 5 SHEETS

F.A.P. RTE. 412	SECTION D2 BJR 2018-5	COUNTY WINNEBAGO	TOTAL SHEETS 55	SHEET NO. 52
CONTRACT NO. 60M66				
ILLINOIS FED. AID PROJECT				



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	16	#5	23'-5"	—
a1(E)	8	#5	24'-11"	—
a2(E)	8	#5	22'-0"	—
a3(E)	16	#6	4'-0"	—
d(E)	4	#4	5'-0"	L
d1(E)	8	#5	3'-11"	L
Concrete Removal			Cu. Yd.	6.8
Concrete Superstructure			Cu. Yd.	6.5
Reinforcement Bars, Epoxy Coated			Pound	920

Bars indicated thus 2 x 2-#5 etc. indicates 2 lines of bars with 2 lengths per line.

MIN. BAR LAP
#5 Bars = 3'-0"

For sections thru approach parapet & median, and bridge parapet & median, see sheet 4 of 5.

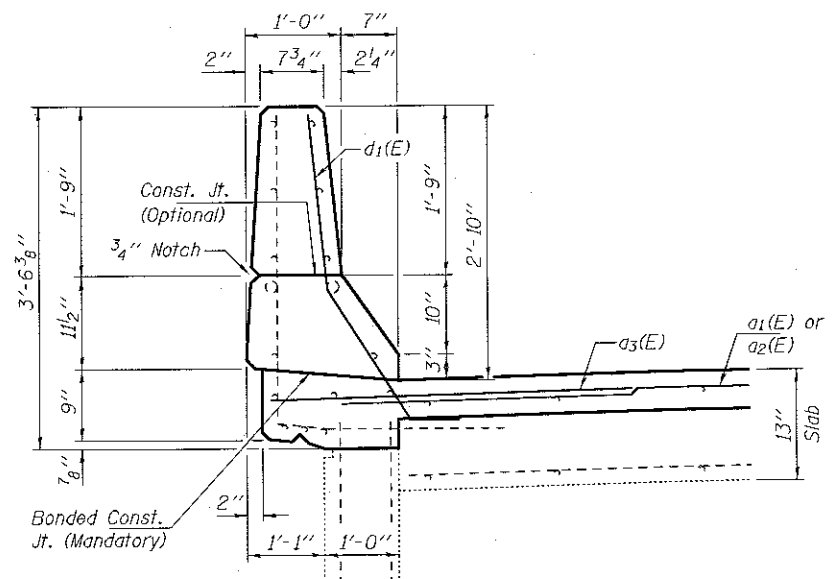
DESIGNED <i>MLD</i>	EXAMINED <i>Timothy A. ...</i>	DATE <i>MAY 4, 2018</i>
CHECKED <i>ATH</i>	ENGINEER OF STRUCTURAL SERVICES	
DRAWN <i>baliva</i>	PASSED <i>...</i>	REVISOR
CHECKED <i>MLD ATH</i>	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

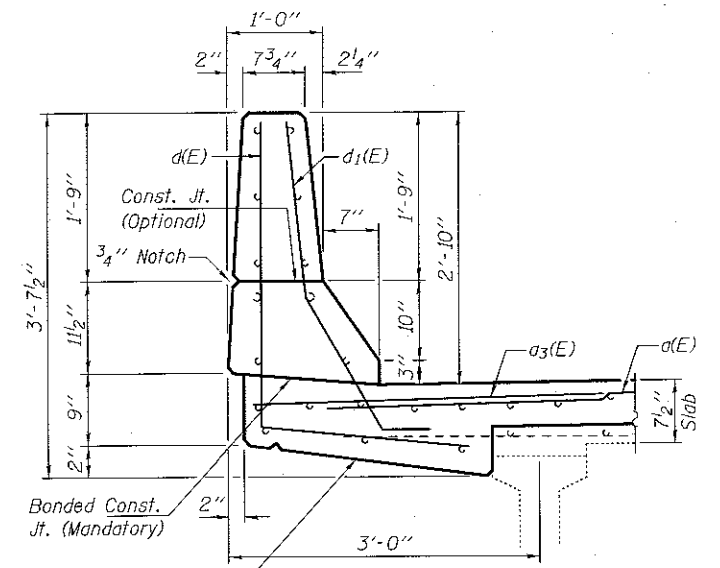
REPLACEMENT DETAILS
SN 101-0151

F.A.P. RTE. 412	SECTION 02 BUR 2018-5	COUNTY WINNEBAGO	TOTAL SHEETS 55	SHEET NO. 53
CONTRACT NO. 60M66				ILLINOIS FED. AID PROJECT

SHEET NO. 3 OF 5 SHEETS

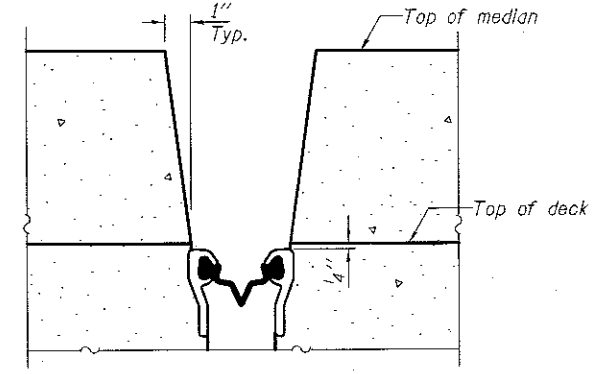


SECTION THRU APPROACH PARAPET

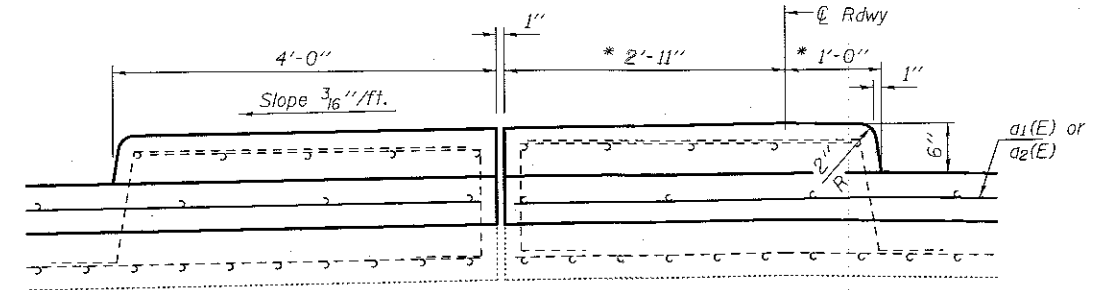


SECTION THRU BRIDGE PARAPET

The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam.

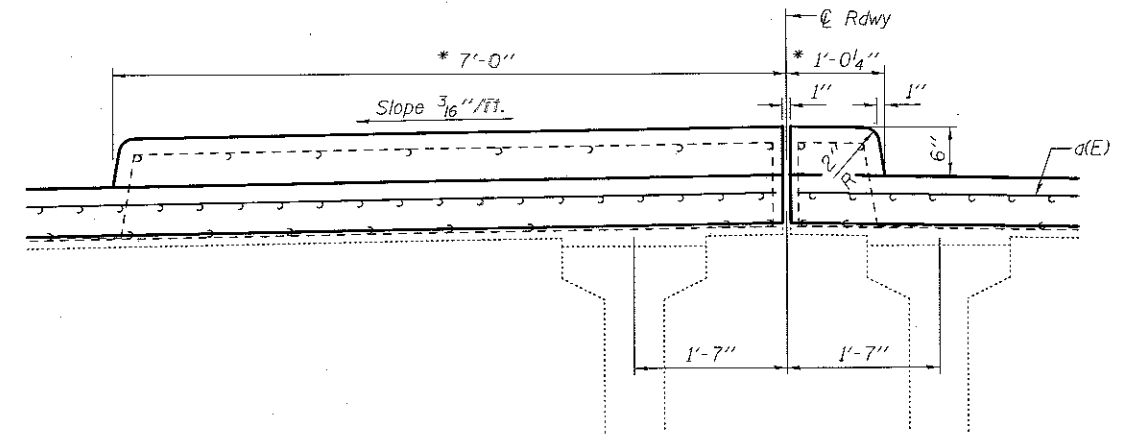


SECTION A-A



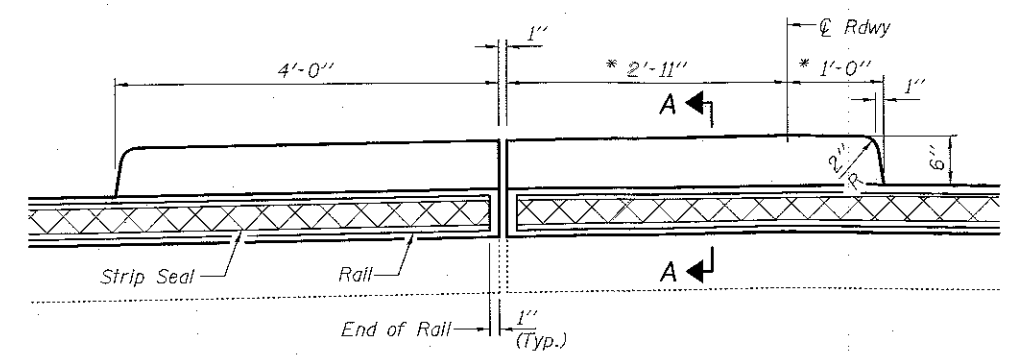
SECTION THRU APPROACH MEDIAN

(N. Approach, looking North
S. Approach, looking South)



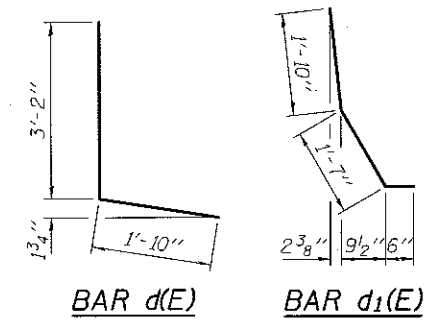
SECTION THRU BRIDGE MEDIAN

(N. Abutment, looking North
S. Abutment, looking South)

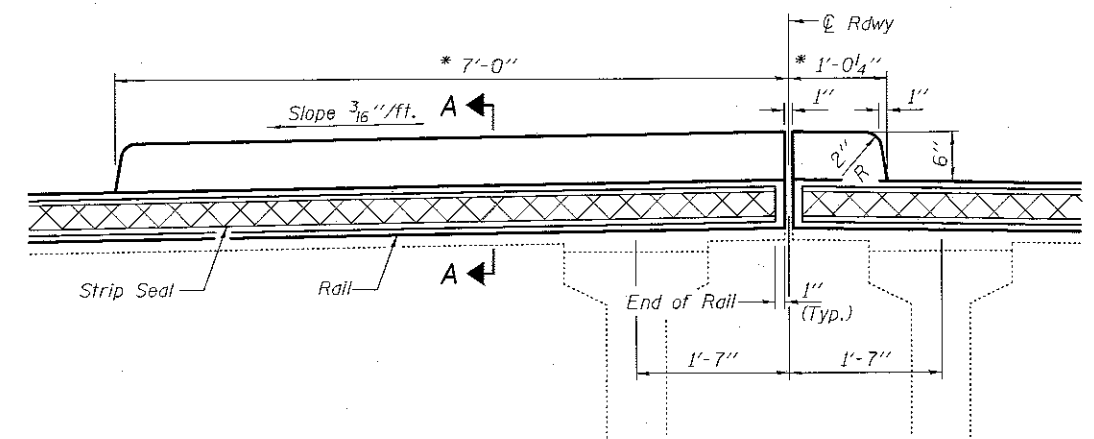


SECTION THRU APPROACH MEDIAN

Showing Strip Seal Details
(N. Approach, looking North
S. Approach, looking South)



* And varies. Match existing median



SECTION THRU BRIDGE MEDIAN

Showing Strip Seal Details
(N. Abutment, looking North
S. Abutment, looking South)

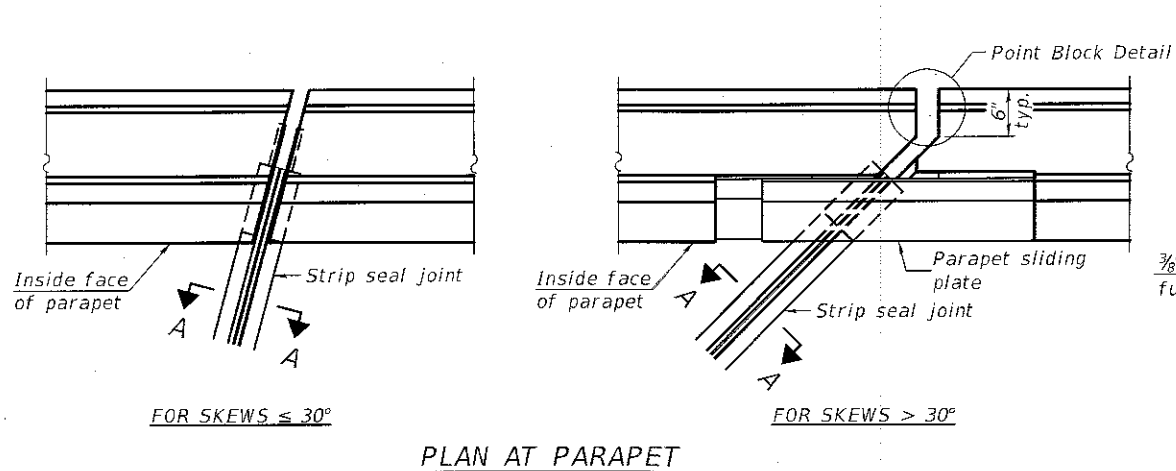
DESIGNED <i>MLD</i>	EXAMINED <i>Timothy A. Anli</i>	DATE <i>MAY 4, 2018</i>
CHECKED <i>ATH</i>	ENGINEER OF STRUCTURAL SERVICES	
DRAWN <i>baliva</i>	PASSED <i>Carl Kuyper</i>	REVISOR
CHECKED <i>MLD ATH</i>	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

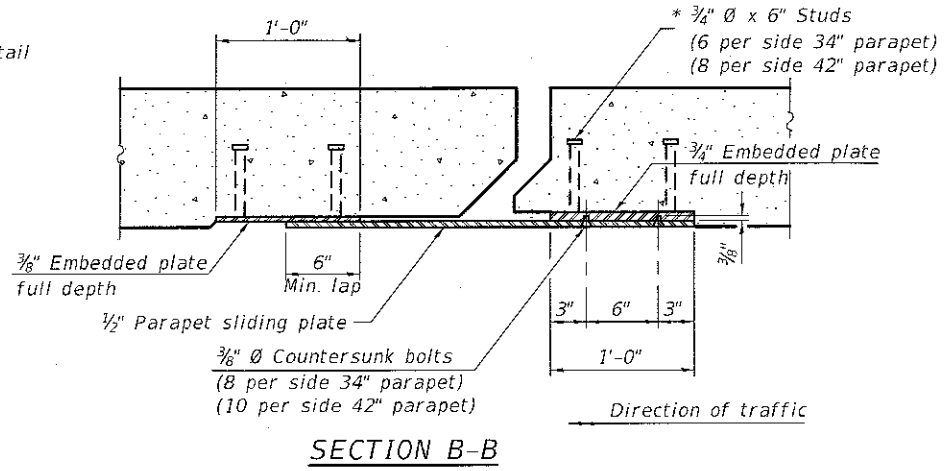
**REPLACEMENT DETAILS
SN 101-0151**

SHEET NO. 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
412	02 BJR 2018-5	WINNEBAGO	55	54
CONTRACT NO. 60M66			ILLINOIS FED. AID PROJECT	

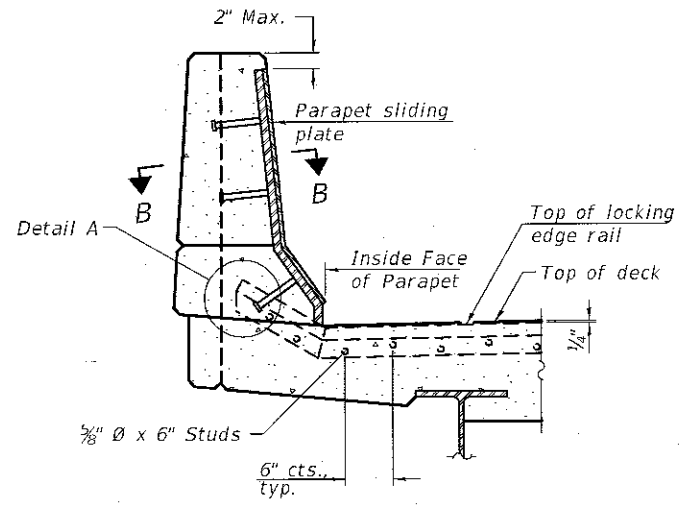


PLAN AT PARAPET



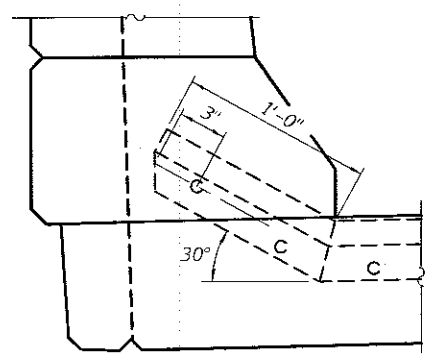
SECTION B-B

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 configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.



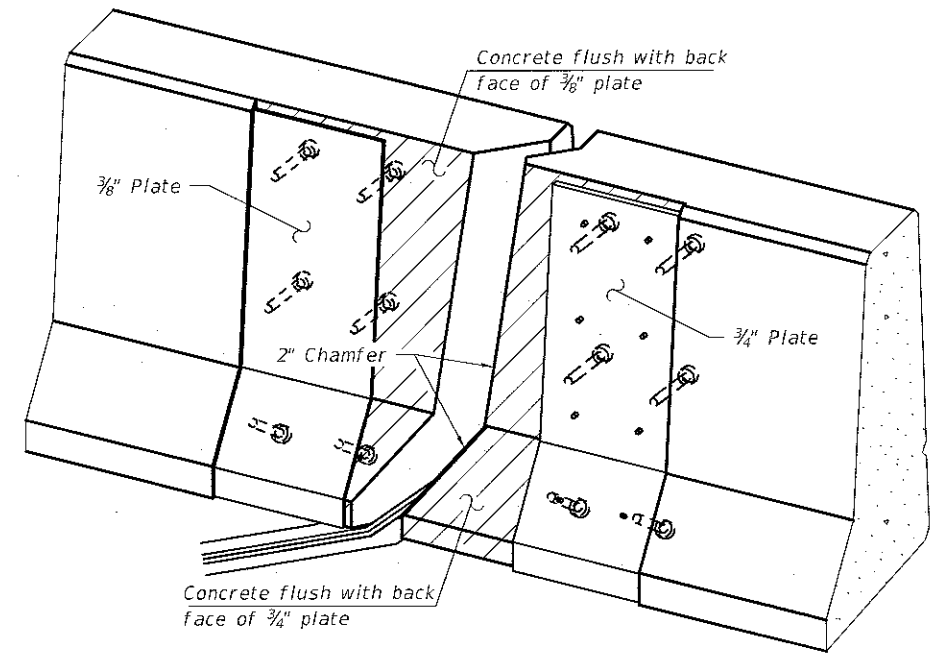
ELEVATION AT PARAPET

(Skews > 30° shown. Skews <= 30° similar except as shown in plan view.)



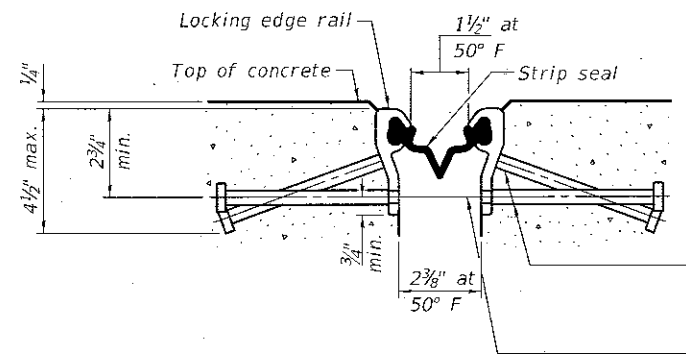
DETAIL A

For sealer treatment at median, see sheet 4 of 5.



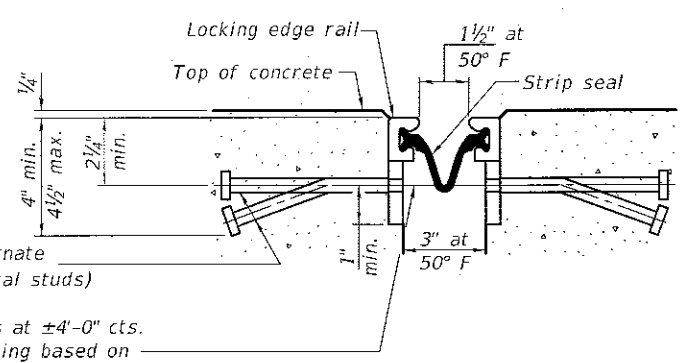
TRIMETRIC VIEW
(Showing embedded plates only)

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 The Maximum space between locking edge rail segments shall be 3/8" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.
 Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.
 34" F-shape barrier shown, 42" F-shape similar as noted.
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

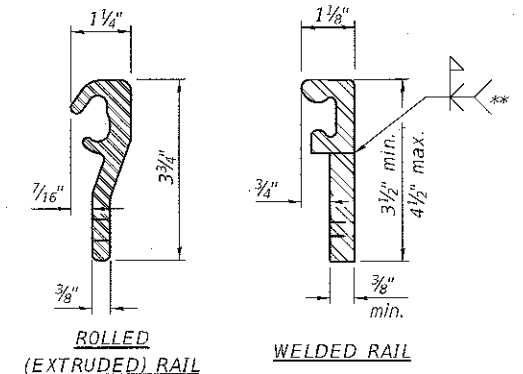


SHOWING ROLLED RAIL JOINT

* 3/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 3/8" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

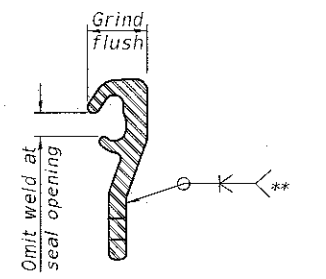


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	179

EJ-SS

8-11-17

DESIGNED MLD	EXAMINED <i>Timothy A. Anelli</i>	DATE MAY 4, 2018
CHECKED ATH	ENGINEER OF STRUCTURAL SERVICES	
DRAWN balliva	PASSED <i>Carl Perry</i>	REVISOR
CHECKED MLD ATH	ENGINEER OF BRIDGES AND STRUCTURES	REVISOR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
SN 101-0151

SHEET NO. 5 OF 5 SHEETS

F.A.P. RTE. 412	SECTION D2 BJR 2018-5	COUNTY WINNEBAGO	TOTAL SHEETS 95	SHEET NO. 55
				CONTRACT NO. 60M66
ILLINOIS FED. AID PROJECT				