

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	1
		ILLINOIS	CONTRACT NO.	

PROPOSED HIGHWAY PLANS

FAU ROUTE 6775 (FARMDALE ROAD)
SECTION 20-07111-00-RR
RESURFACING CONSTRUCTION
TAZEWELL COUNTY

DESIGN DESIGNATION

FARMDALE ROAD
MAJOR COLLECTOR
ADT = 3550 (2018)
PV = 95%
MU = 2%
SU = 3%

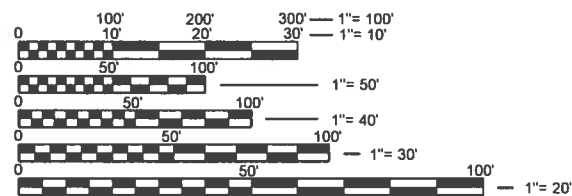
INDEX OF SHEETS

SHT. NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, JOB SPECIFIC NOTES, AND LIST OF STANDARDS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	SCHEDULE OF QUANTITIES
6	ROADWAY ALIGNMENT, TIES AND BENCHMARKS
7	MAINTENANCE OF TRAFFIC PLAN
8	REMOVAL & EROSION CONTROL PLAN
9	PLAN AND PROFILE
10	MISCELLANEOUS PROFILES
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16-18	CROSS SECTIONS HIGHWAY STANDARDS

DRAWING SCALES

PLAN 1" = 20'

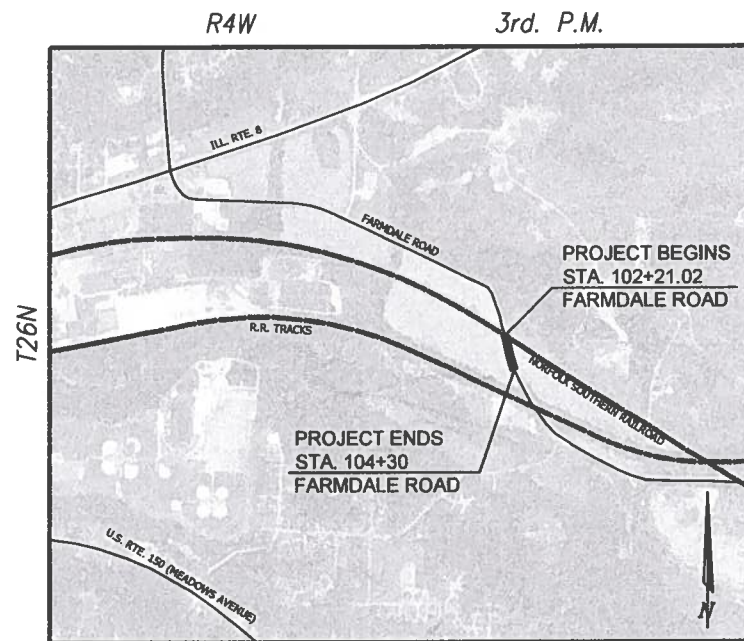
PROFILE HORIZONTAL: 1" = 20'



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

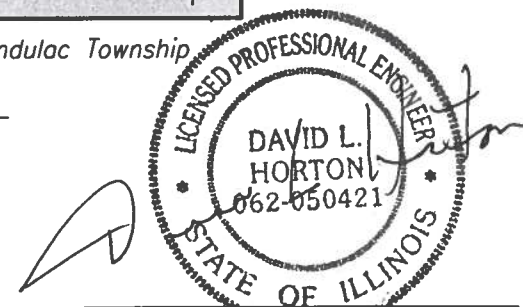
CATALOG NO.
CONTRACT NO.



LOCATION MAP



LOCATION OF SECTION INDICATED THUS: ●



DAVID L. HORTON
ILLINOIS REGISTERED PROFESSIONAL ENGINEER
No. 062-050421
EXPIRATION DATE 11/30/2025

2/20/2024
DATE



140 E. Washington Street
East Peoria, Illinois 61611
309.222.8600
www.mweainc.com

IL Design Firm Reg. No.
184-005896

GROSS LENGTH = 209 FT. = 0.04 MILES
NET LENGTH = 209 FT. = 0.04 MILES

APPROVED 3/14/2024
Don Cunningham P.E.
FONDULAC TOWNSHIP

PASSED 05-07-2024
Jim Josselyn
DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR
BID BASED ON
LIMITED REVIEW 050824
Fonda James
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SOIL REPORT

NO SOILS REPORT WAS COMPLETED FOR THIS PROJECT.

AVAILABILITY OF ELECTRONIC FILES

ELECTRONIC FILES OF THIS PROJECT WILL NOT BE MADE AVAILABLE TO THE CONTRACTOR.

PLAN ELEVATIONS – U.S.G.S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION UNLESS ARRANGEMENTS FOR SHORT TERM CLOSURES ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS AND A COPY IS PROVIDED TO THE ENGINEER IN ADVANCE. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 107.09 EXCEPT THAT NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM – D4 P1010

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND FIVE WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

AGGREGATE SURFACE COURSE, TYPE B

AGGREGATE (SURFACE COURSE), TYPE B SHALL BE REQUIRED FOR ALL GRANULAR CONSTRUCTION OF SIDE ROADS, ENTRANCES, AND MAILBOX TURNOUTS, WHETHER OR NOT PORTIONS OF THE SURFACES THUS CONSTRUCTED ARE TO BE COVERED WITH A BITUMINOUS SURFACE, EXCEPT WHERE NOTED DIFFERENTLY ON THE PLANS.

AGGREGATE FOR DRIVEWAY REPLACEMENT

THE MATERIAL USED FOR CONSTRUCTION OF PERMANENT AGGREGATE DRIVEWAYS SHALL BE GRAVEL OR CRUSHED STONE, AS DIRECTED BY THE ENGINEER, TO REPLACE IN KIND THE EXISTING AGGREGATE DRIVEWAYS. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS REQUIREMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PAY ITEM FOR THE AGGREGATE AS SPECIFIED ON THE PLANS.

BITUMINOUS MATERIALS RATES

SURFACE TYPE	RESIDUAL RATE	APPLICATION RATE USED FOR QUANTITIES
PRIME COAT – MILLED (HMA OR PCC)	0.05 LB/SF	0.1 LB/SF
PRIME COAT – AGGREGATE BASE	0.25 LB/SF	0.5 LB/SF
TACK COAT – BETWEEN LIFTS	0.025 LB/SF	0.05 LB/SF

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE CSE, 3"	BSE CSE, VAR. DEPTH AND BSE CSE WIDENING, 6"
AC/PG	58-22 OR 64-22	58-28
DESIGN AIR VOIDS	4% @ N50	4% @ N50
MIXTURE COMPOSITION	IL 9.5	IL 19.0
(GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE	C	N/A
QUALITY MANAGEMENT	QC/QA	QC/QA

PAVING SURFACE COURSE

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED

ADDITIONAL SUPPLEMENTAL TRAFFIC CONTROL

THE DEPARTMENT RESERVES THE RIGHT AT ANY TIME TO ADD ADDITIONAL TRAFFIC CONTROL SYSTEMS OR DEVICES WITHIN THE ACTIVE CONTRACT LIMITS, BY MEANS OF AN ADDITIONAL CONTRACT. ALL TERMS OF ARTICLE 105.08 OF THE STANDARD SPECIFICATIONS SHALL BE FOLLOWED BY EACH CONTRACTOR.

SIGNING

SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES. ALL POST LOCATIONS SHALL BE VERIFIED BY THE ENGINEER, BEFORE INSTALLATION.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

RATES OF APPLICATION	
HOT-MIX ASPHALT MATERIALS	116 LB/SQ YD IN
BITUMINOUS MATERIALS	.004 TONS = 1 GAL
AGGREGATE MATERIALS	25 LBS/SQ YD 2.05 TON/CU YD

JOB SPECIFIC NOTES

1. A NEW RAIL CROSSING IS NOT INCLUDED AS PART OF THIS PROJECT.
2. THE MAIN POINT OF CONTACT FOR THE NORFOLK SOUTHERN RAILWAY IS MR. D. C. PARKER, ENGINEER PUBLIC IMPROVEMENTS ENGINEERING AT 404-529-1256. THE SPECIAL PROVISIONS INCLUDE THE NS SPECIAL PROVISIONS OF RAILWAY INTEREST, WHICH ANY EXCERPT OUTLINING THE INSURANCE REQUIREMENTS TO BE SUBMITTED TO THE ATTENTION OF SCOTT W. DICKERSON, MANAGER RISK MANAGEMENT, NORFOLK SOUTHERN CORPORATION, THREE COMMERCIAL PLACE, NORFOLK, VA 23510-2191. HIS CONTACT INFORMATION IS PHONE 757-629-2364. THE NORFOLK SOUTHERN PROVISION ARE INCLUDED AS REQUIREMENTS FOR THE CONTRACTOR.
3. MR. PARKER IS YOUR MAIN CONTACT AND CAN ASSIST IN CLARIFYING ANY PARTICULARS YOU HAVE ABOUT THE PROJECT'S SPONSOR AND ITS CONTRACTOR INTERACTIONS WITH NS AS THERE ARE MANY REQUIREMENTS IMPOSED FOR SAFETY REASONS. COORDINATE ALL WORK ON NORFOLK SOUTHERN RAILWAY RIGHT-OF-WAY WITH MR. PARKER INCLUDING NORFOLK SOUTHERN UTILITY LOCATIONS IN THE EVENT NORFOLK SOUTHERN UTILITIES ARE NOT PART OF THE J.U.L.I.E. SYSTEM.
4. PLEASE NOTE THAT NS DOES NOT ACCEPT INITIAL INSURANCE SUBMISSIONS VIA EMAIL OR FAXES. NS REQUIRES TWO (2) FORMS OF INSURANCE IN THE INITIAL INSURANCE SUBMISSION 1) THE ORIGINAL OR CERTIFIED TRUE COPY OF THE RAILROAD PROTECTIVE LIABILITY INSURANCE POLICY AND 2) THE CONTRACTOR'S COMMERCIAL GENERAL, AUTOMOBILE, AND WORKERS' COMPENSATION LIABILITY INSURANCE CERTIFICATE OF LIABILITY INSURANCE AS SUMMARIZED IN THE SPECIAL PROVISIONS. BOTH SHOULD BE SENT VIA US MAIL OR OVER NIGHT CARRIER UNDER COVER TO THE ATTENTION OF SCOTT W. DICKERSON AT THE ADDRESS SHOWN ABOVE WITH COVER SHEET PROVIDING DETAILS OF THE PROJECT AND CONTACT INFORMATION
5. THESE ARE NOT NEW REQUIREMENTS AND HAVE BEEN IN PLACE FOR DECADES BY NS. NO EMAIL SUBMISSIONS PERMISSIBLE AS SUCH EMAILS CREATE THE PERCEPTION OF AN INSURANCE SUBMISSION THAT REQUIRES A RESPONSE FROM NS WHICH IS FALSE. NS DOES NOT COUNT EMAILED SUBMISSIONS REGARDING RESPONSE ONLY HARD, PHYSICAL COPIES WARRANT A RESPONSE AS TO INSURANCE VALIDITY/ACCEPTABILITY. THIS HAS BEEN A LONG STANDING NS CORPORATE WIDE POLICY.
6. AS FOR THE INSURANCE, TO SUMMARIZE, NS REQUIRES THE FULL ORIGINAL OR CERTIFIED TRUE COPY OF THE COUNTERSIGNED RAILROAD PROTECTIVE POLICY TO BE SUBMITTED TO SCOTT W. DICKERSON AT THE ADDRESS SHOWN ABOVE. IN ADDITION TO THE RAILROAD PROTECTIVE LIABILITY INSURANCE NS ALSO REQUIRES UNDER THE AGREEMENT TO BE SUBMIT ALONG WITH THE RAILROAD PROTECTIVE LIABILITY INSURANCE A CERTIFICATE OF LIABILITY INSURANCE OF THE GENERAL AND AUTOMOBILE LIABILITY INSURANCE AS OUTLINED BELOW EVIDENCING A COMBINED SINGLE LIMIT OF A MINIMUM OF \$2M PER OCCURRENCE OF GENERAL AND \$1M PER OCCURRENCE OF AUTOMOBILE LIABILITY INSURANCE NAMING NORFOLK SOUTHERN RAILWAY COMPANY, THREE COMMERCIAL PLACE, NORFOLK, VA 23510 AS THE CERTIFICATE HOLDER AND AS AN ADDITIONAL INSURED ON BOTH THE GENERAL AND AUTOMOBILE LIABILITY INSURANCE POLICY.
7. IN ADDITION TO PROVIDING THE FULL ORIGINAL COUNTERSIGNED RAILROAD PROTECTIVE POLICY, PLEASE PROVIDE THE FOLLOWING TO COMPLY ON THE INSURANCE WITHOUT EXCEPTION.
 - 7.1. A CERTIFICATE OF LIABILITY INSURANCE THAT EVIDENCES COMBINED SINGLE LIMIT MINIMUM OF \$2,000,000 PER OCCURRENCE OF GENERAL LIABILITY (NOTE THIS MAY BE ACHIEVED VIA AN EXCESS OR UMBRELLA POLICY),
 - 7.2. \$1,000,000 COMBINED SINGLE LIMIT OF AUTO LIABILITY (NOTE THIS MAY BE ACHIEVED VIA AN EXCESS OR UMBRELLA POLICY),
 - 7.3. STATUTORY LIMITS ON WORKERS' COMPENSATION INSURANCE.
 - 7.4. THE CERTIFICATE OF LIABILITY INSURANCE MUST NAME NORFOLK SOUTHERN RAILWAY COMPANY, THREE COMMERCIAL PLACE, NORFOLK, VA 23510-2191 AS THE CERTIFICATE HOLDER.
 - 7.5. THE CERTIFICATE OF LIABILITY INSURANCE MUST NAME THE CERTIFICATE HOLDER AS AN ADDITIONAL INSURED ON THE GENERAL AND AUTOMOBILE LIABILITY POLICY.
8. PLEASE NOTE NS DOES NOT ACCEPT NOTATION OF RAILROAD PROTECTIVE INSURANCE ON A CERTIFICATE OF LIABILITY INSURANCE FORM OR BINDERS AS NS MUST HAVE THE FULL ORIGINAL COUNTERSIGNED POLICY. NS UNDERSTANDS THAT THIS CAN TYPICALLY TAKE A MINIMUM OF 30-45 DAYS TO RECEIVE FOR REVIEW. PLEASE ALSO NOTE THAT MERE RECEIPT IS NOT THE ONLY ISSUE BUT REVIEW FOR COMPLIANCE, WHICH NS HAS 10 BUSINESS DAYS FROM RECEIPT TO RESPOND.

LIST OF DISTRICT 4 STANDARDS

- 406101-04 BUTT JOINTS (3 SHEETS)
- 780001-04 TYPICAL PAVEMENT MARKINGS (2 SHEETS)

LIST OF HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701901-08 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 780001-05 TYPICAL PAVEMENT MARKINGS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON RURAL LOCAL HIGHWAYS

DATE	BY	SURVEYED	ALIGNED	CHECKED
		PLOTTED	CHECKED	
		NOTE BOOK	CHECKED	
		NO.		
		NO.		

DATE	BY	SURVEYED	ALIGNED	CHECKED
		PLOTTED	CHECKED	
		NOTE BOOK	CHECKED	
		NO.		
		NO.		

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MW
Midwest Engineering Associates, Inc.
140 E. Washington Street
East Peoria, Illinois 61611
309.689.8085
IL Design Firm Reg. No.
184-005896

USER NAME = Furquan ul haq	DESIGNED – CSA	REVISED – -----
	DRAWN – FUH	REVISED – -----
PLOT SCALE =	CHECKED – DLH	REVISED – -----
PLOT DATE = 9/30/2021 9:01 AM	DATE – 09/17/2021	REVISED – -----

FONDULAC TOWNSHIP
FARMDALE ROAD RESURFACING CONSTRUCTION

GENERAL NOTES, JOB SPECIFIC NOTES
AND LIST OF STANDARDS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	2
FED. PROJECT NO.			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	

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SUMMARY OF QUANTITIES				
SPECIAL PROVISION	PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY
	20200100	EARTH EXCAVATION	CU YD	65
	20400800	FURNISHED EXCAVATION	CU YD	140
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	350
	25000210	SEEDING, CLASS 2A	ACRE	0.25
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	7
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	7
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	7
	25100115	MULCH, METHOD 2	ACRE	0.25
	28000400	PERIMETER EROSION BARRIER	FOOT	481
	35101400	AGGREGATE BASE COURSE, TYPE B	TON	60
	35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	60
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	596
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	596
	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	50
	44000100	PAVEMENT REMOVAL	SQ YD	24
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	177
	67100100	MOBILIZATION	LSUM	1
*	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	70
	72000100	SIGN PANEL - TYPE 1	SQ FT	5
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	15
*	X3550015	HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)	TON	78

SUMMARY OF QUANTITIES				
SPECIAL PROVISION	PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY
	X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ YD	176
*	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	178
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
	Z0013798	CONSTRUCTION LAYOUT	LSUM	1
*	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1

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FONDULAC TOWNSHIP
FARMDALE ROAD RESURFACING CONSTRUCTION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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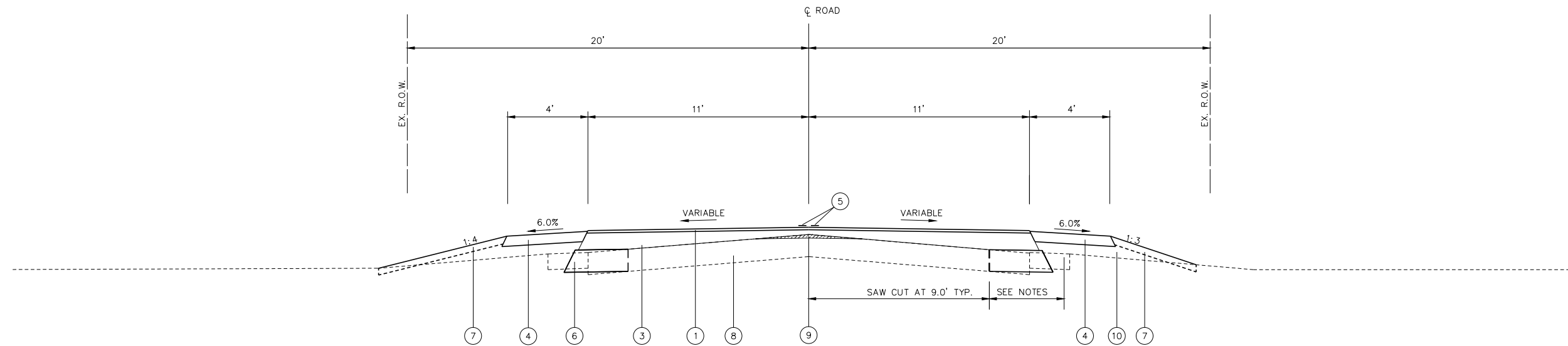
SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	3
FED. PROJECT NO.		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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	PLOTTED		
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	STRUCTURE NOTATIONS CHECKED		
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PROFILE	SURVEYED	BY	DATE
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TYPICAL SECTION - FARMDALE ROAD

NOTES

- HMA BASE COURSE WIDENING SHALL BE SLOPED AWAY FROM THE ROADWAY AT 1.5%.
- THE WIDTHS LISTED BELOW ARE MEASURED FROM THE 9' OFFSET.
- SEE MISCELLANEOUS PROFILES SHEET FOR ADDITIONAL DETAILS. PLANS ARE BASED ON MILLING THE PAVEMENT BEFORE CONSTRUCTING THE HMA BASE COURSE WIDENING, 6".

WIDENING (FT)		
STATION	LEFT	RIGHT
102+34.42	NA	2.5
102+59.85	3	3.5
102+78.63	3.5	3.5
103+00.00	3.5	3.5
103+50.00	3	3
104+00.00	2.5	2.5
104+30.00	2.5	2.5

PROPOSED ITEMS

- HMA SURFACE COURSE, IL-9.5 MIX C, N50, (3")
- NOT USED
- HMA BASE COURSE, (VARIABLE DEPTH)
- AGGREGATE SHOULDERS, TY. B 6"
- DOUBLE YELLOW PAVEMENT MARKING, 4"
- HMA BASE COURSE WIDENING, 6"
- TOPSOIL FURNISH & PLACE, 4"
- EXISTING TO REMAIN
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- FURNISHED EXCAVATION

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FONDULAC TOWNSHIP
FARMDALE ROAD RESURFACING CONSTRUCTION

TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	4
FED. PROJECT NO.		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	
NOTE BOOK NO.		

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	
NOTE BOOK NO.		

EARTHWORK SCHEDULE		EARTH EXCAVATION 1	FURNISHED EXCAVATION 2,3
LOCATION		CU YD	CU YD
PROJECT		62.0	140.1
SUBTOTAL		62.0	140.1
TOTAL		65	140

NOTES:

- EARTH EXCAVATION QUANTITIES INCLUDES ALL EXCAVATED MATERIAL.
- PRESUMES ALL EXCAVATED MATERIAL IS TOPSOIL OR UNSUITABLE
- A SHRINKAGE OF 20% HAS BEEN USED FOR MATERIAL AS NOTED.

SIGNING SCHEDULE		SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT
LOCATION		SQ FT	FOOT
FARMDALE	LT	5.0	14.5
FARMDALE	RT		
SUBTOTAL		5.0	14.5
TOTAL		5	15

REMOVAL SCHEDULE	REMOVE SIGN PANEL ASSEMBLY - TYPE A	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
LOCATION	EACH	SQ YD	SQ YD
PROJECT	1	23.4	178.0
SUBTOTAL		1	23.4
TOTAL		1	178

HMA PAVEMENT SCHEDULE		AGGREGATE BASE COURSE, TYPE B	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	BITUMINOUS MATERIAL (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	BITUMINOUS MATERIAL (TACK COAT)	AGGREGATE SHOULDERS, TYPE B 6"	HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)	AGGREGATE SURFACE COURSE, TYPE B, 8"
LOCATION		TON	SQ YD	POUND	TON	POUND	SQ YD	TON	SQ YD
FARMDALE	LT		29.6	284.0	23.8	284.0	94.0		116.0
FARMDALE	CENTER	98.9						77.2	
FARMDALE	RT		29.6	312.0	26.2	312.0	83.0		60.0
SUBTOTAL		98.9	59.2	596.0	50.0	596.0	177.0	77.2	176.0
TOTAL		99	60	596	50	596	177	78	176

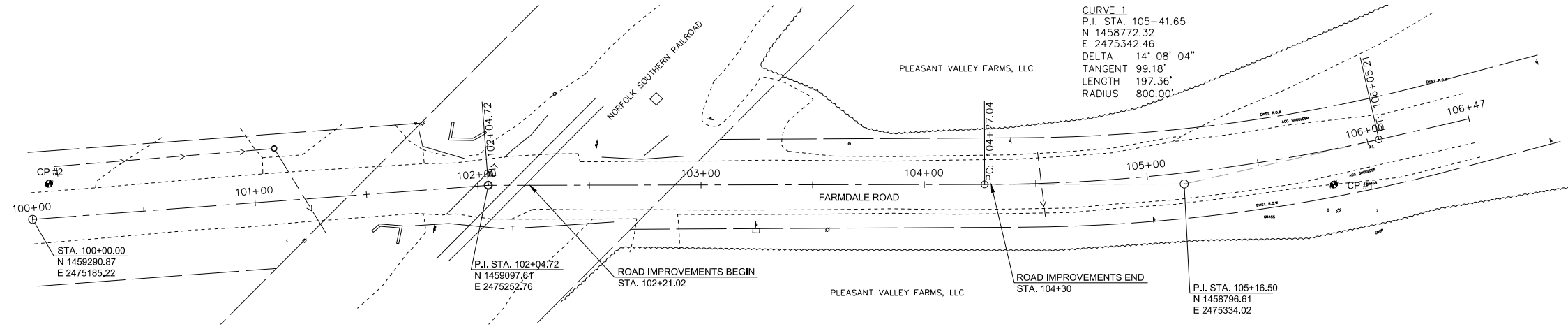
TOPSOIL, SEEDING AND EROSION CONTROL SCHEDULE		TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	PERIMETER EROSION BARRIER
LOCATION		SQ YD	ACRE	POUND	POUND	POUND	ACRE	FOOT
FARMDALE	LT	136.0	0.03	2.5	2.5	2.5	0.03	204.4
FARMDALE	RT	214.0	0.04	4.0	4.0	4.0	0.04	275.8
SUBTOTAL		350.0	0.07	6.5	6.5	6.5	0.07	480.1
TOTAL		350	0.25	7	7	7	0.25	481

QUANTITIES NOT OTHERWISE SCHEDULED	MOBILIZATION	CHANGEABLE MESSAGE SIGN (LOCATION 1)	CHANGEABLE MESSAGE SIGN (LOCATION 2)	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	CONSTRUCTION LAYOUT	RAILROAD PROTECTIVE LIABILITY INSURANCE
LOCATION	L SUM	CAL DA	CAL DA	L SUM	L SUM	L SUM
PROJECT	1	27	27	1	1	1
TOTAL	1	35	35	1	1	1

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

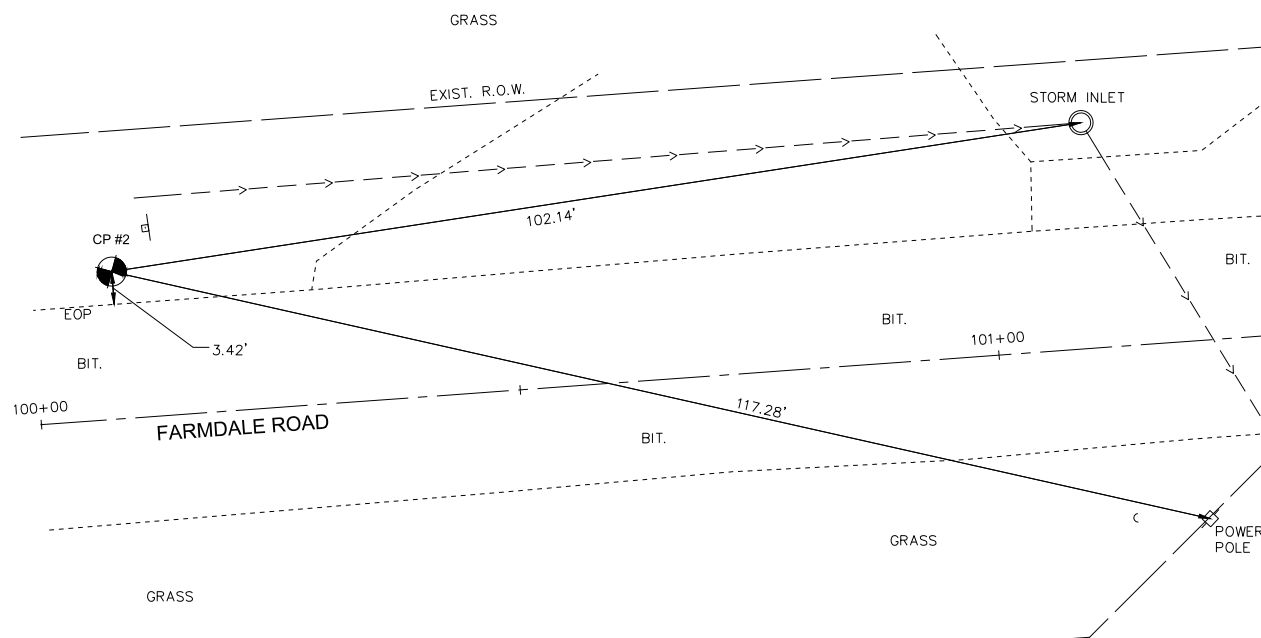
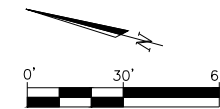
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	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

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FARMDALE ROAD ALIGNMENT

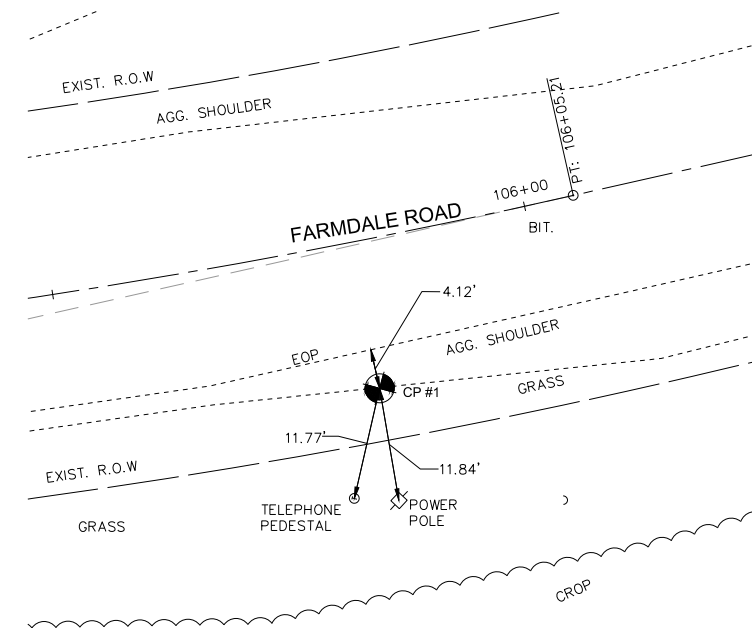
SCALE: 1" = 30'



CONTROL POINT #2

SCALE: 1" = 10'

CP #2
N 1459287.95
E 2475202.51
STA. 100+08.46, 15.36' LT
ELEV. = 517.36
1/2" IRON ROD W/ ORANGE CAP



CONTROL POINT #1

SCALE: 1" = 10'

CP #1
N 1458731.77
E 2475351.17
STA. 105+81.69, 14.80' RT
ELEV. = 514.88
1/2" IRON ROD W/ ORANGE CAP

THE SURVEY CONTROL PROVIDED IN THESE CONSTRUCTION PLANS WAS SET FOR THE PURPOSE OF TOPOGRAPHICAL SURVEYING FOR THE DESIGN OF THIS SITE. AT THE TIME THE SURVEY WORK WAS COMPLETED, THESE CONTROL POINTS WERE FOUND TO BE CORRECT AND SUFFICIENT CONTROL HAS BEEN PROVIDED FOR THE PURPOSE OF CONSTRUCTION LAYOUT USING CONVENTIONAL CONSTRUCTION LAYOUT METHODS. DUE TO CIRCUMSTANCES BEYOND THE CONTROL OF THE SURVEYOR AND ENGINEER, THE CONTROL PROVIDED MAY BE DISTURBED AFTER FIELD WORK HAS BEEN COMPLETED AND PRIOR TO THE START OF CONSTRUCTION. THE CONTROL, AS PROVIDED, NEEDS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY CONSTRUCTION. IF, UPON VERIFYING THE CONTROL, THE CONTRACTOR FINDS THAT THE CONTROL PROVIDED IN THE PLANS IS MISSING, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO BEGINNING ANY CONSTRUCTION. IF THE CONTROL IS RECOVERED AND DISCREPANCIES ARE FOUND WITH THE CONTROL, THEY WILL NEED TO BE DISCLOSED PRIOR TO ITS USE FOR CONSTRUCTION. IF THE CONTRACTOR INTENDS TO USE ALTERNATIVE METHODS, OTHER THAN CONVENTIONAL CONSTRUCTION LAYOUT METHODS, OR FINDS THAT ADDITIONAL CONTROL IS NECESSARY, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH ANY ADDITIONAL CONTROL NECESSARY.

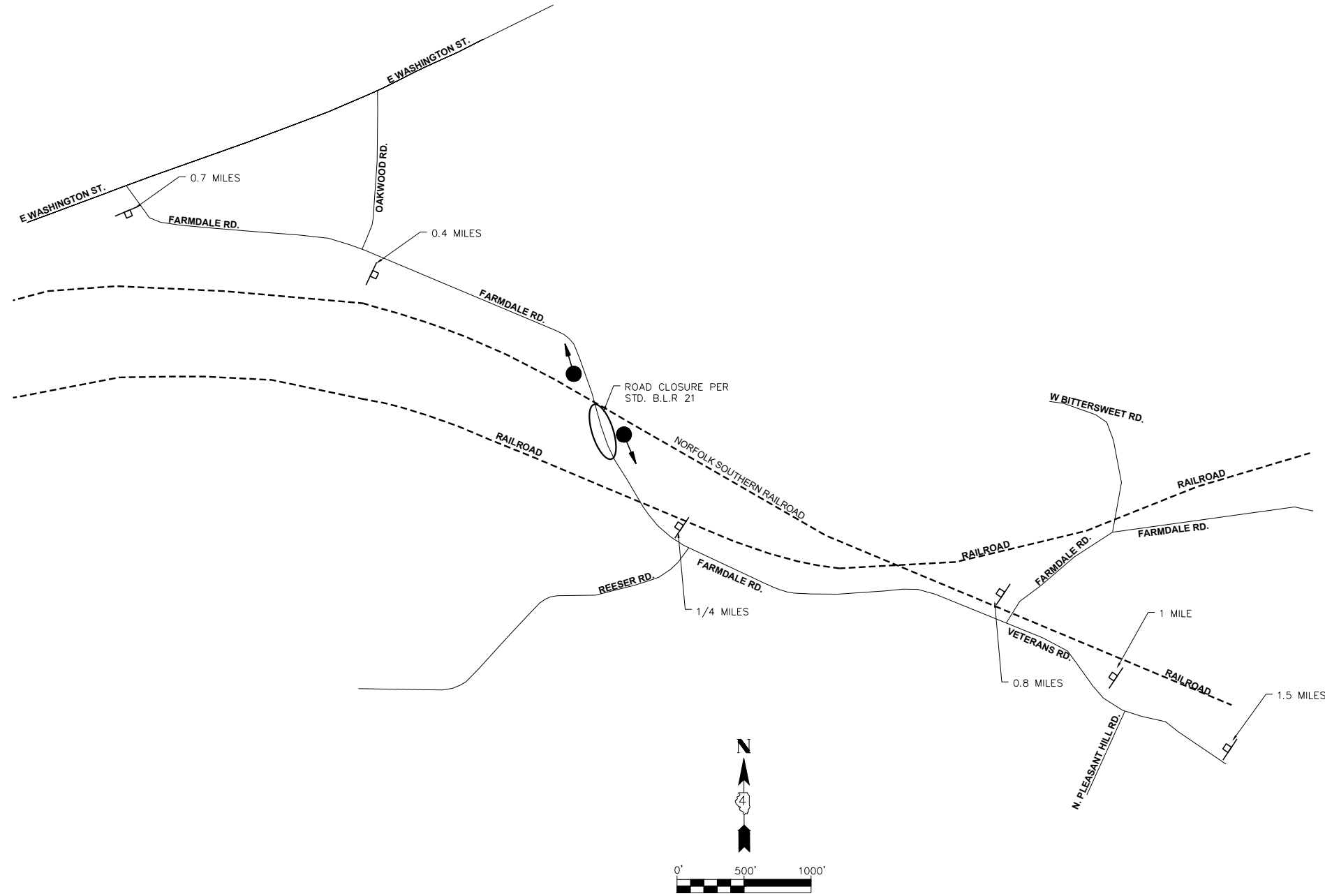
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	DRAWN - FUH	REVISED -
PLOT SCALE =	CHECKED - DLH	REVISED -
PLOT DATE = 9/30/2021 9:02 AM	DATE - 09/17/2021	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	6
FED. PROJECT NO.		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	CAAD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK NO.	
	STRUCTURE NOTATIONS CHECKED	

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LEGEND:

● MESSAGE BOARD WITH DIRECTION OF TRAFFIC (TWO LOCATIONS)



* APPROXIMATE DISTANCE SHOWN ON PLAN, MAY BE REVISED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL NOTES:

1. SEE HIGHWAY STANDARD BLR-21 FOR ADDITIONAL DETAILS NOT SHOWN.
2. ADDITIONAL SIGNING AND /OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
3. ACTUAL LOCATIONS FOR SIGNING SHOWN ON THE TRAFFIC CONTROL PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

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	DRAWN - FUH	REVISED -
PLOT SCALE =	CHECKED - DLH	REVISED -
PLOT DATE = 9/30/2021 9:02 AM	DATE - 09/17/2021	REVISED -

**FONDULAC TOWNSHIP
FARMDALE ROAD RESURFACING CONSTRUCTION**

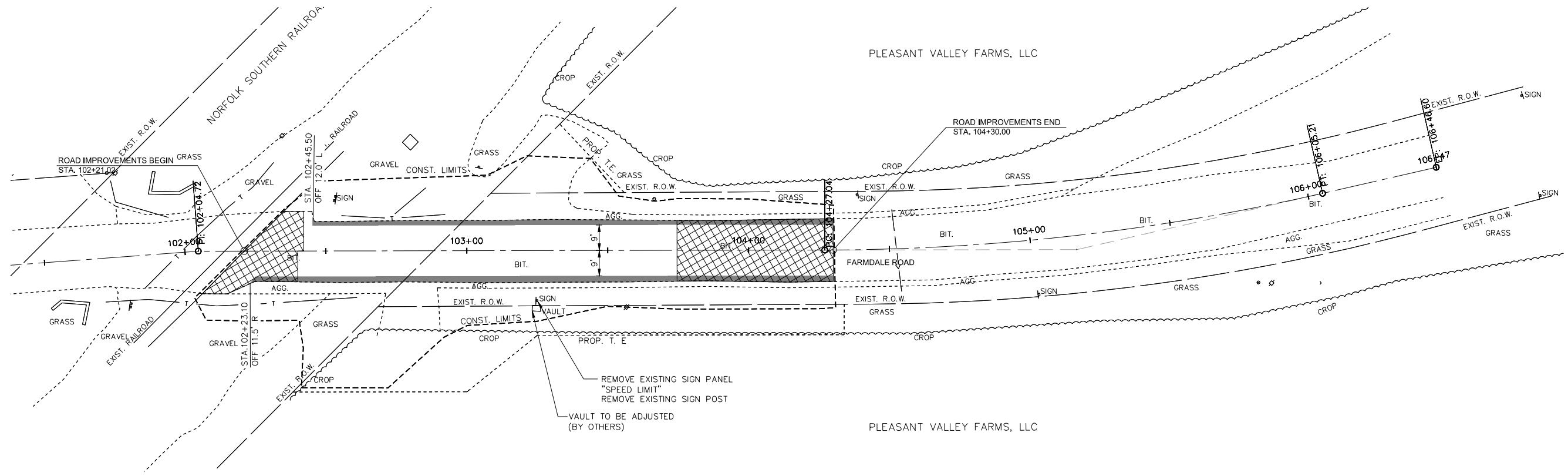
MAINTENANCE OF TRAFFIC PLAN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	7
FED. PROJECT NO.		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NOTE BOOK NO.		
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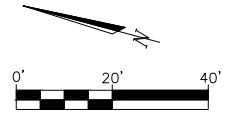
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	PLOTTED		
	GRADES CHECKED		
	NOTE BOOK NO.		
	STRUCTURE NOTATIONS CHECKED		
	CADD FILE NAME		

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REMOVAL PLAN

SCALE: 1" = 20'



LEGEND

-  PAVEMENT SURFACE REMOVAL, VARIABLE DEPTH
-  PAVEMENT REMOVAL

NOTES

1. PERIMETER EROSION BARRIER SHALL BE INSTALLED AT CONSTRUCTION LIMITS.

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	DRAWN - FUH	REVISED -
PLOT SCALE =	CHECKED - DLH	REVISED -
PLOT DATE = 9/30/2021 9:02 AM	DATE - 09/17/2021	REVISED -

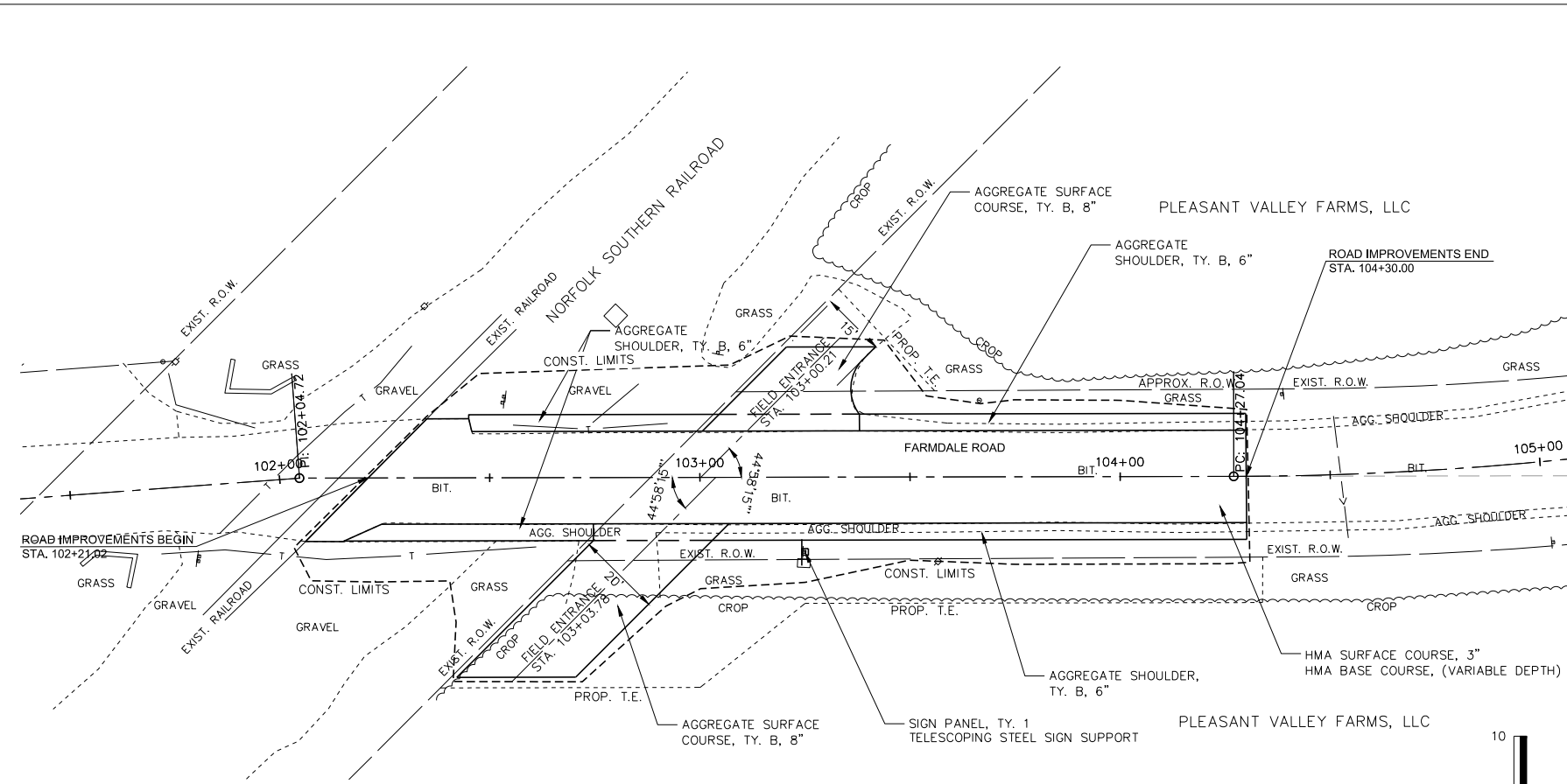
FONDULAC TOWNSHIP
FARMDALE ROAD RESURFACING CONSTRUCTION

REMOVAL AND EROSION CONTROL PLAN			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	8
FED. PROJECT NO.		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

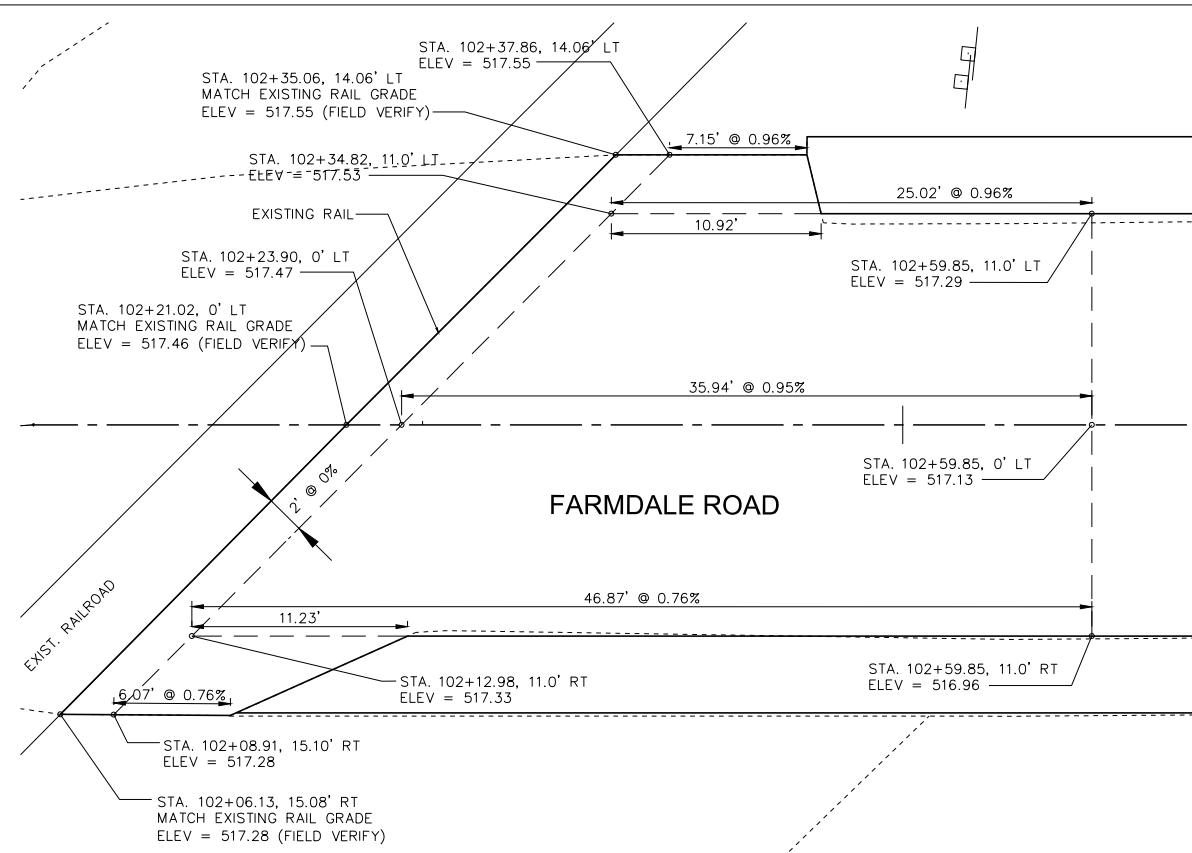
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BY	
PLAN	SURVEYED
	GRADES CHECKED
	ALIGNED
	NOTED
	FILED
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	NO.
	NO.
	NO.

DATE	
BY	
PROFILE	SURVEYED
	GRADES CHECKED
	ALIGNED
	NOTED
	FILED
	NO.
	NO.
	NO.
	NO.



FARMDALE ROAD PLAN

SCALE: 1" = 20'

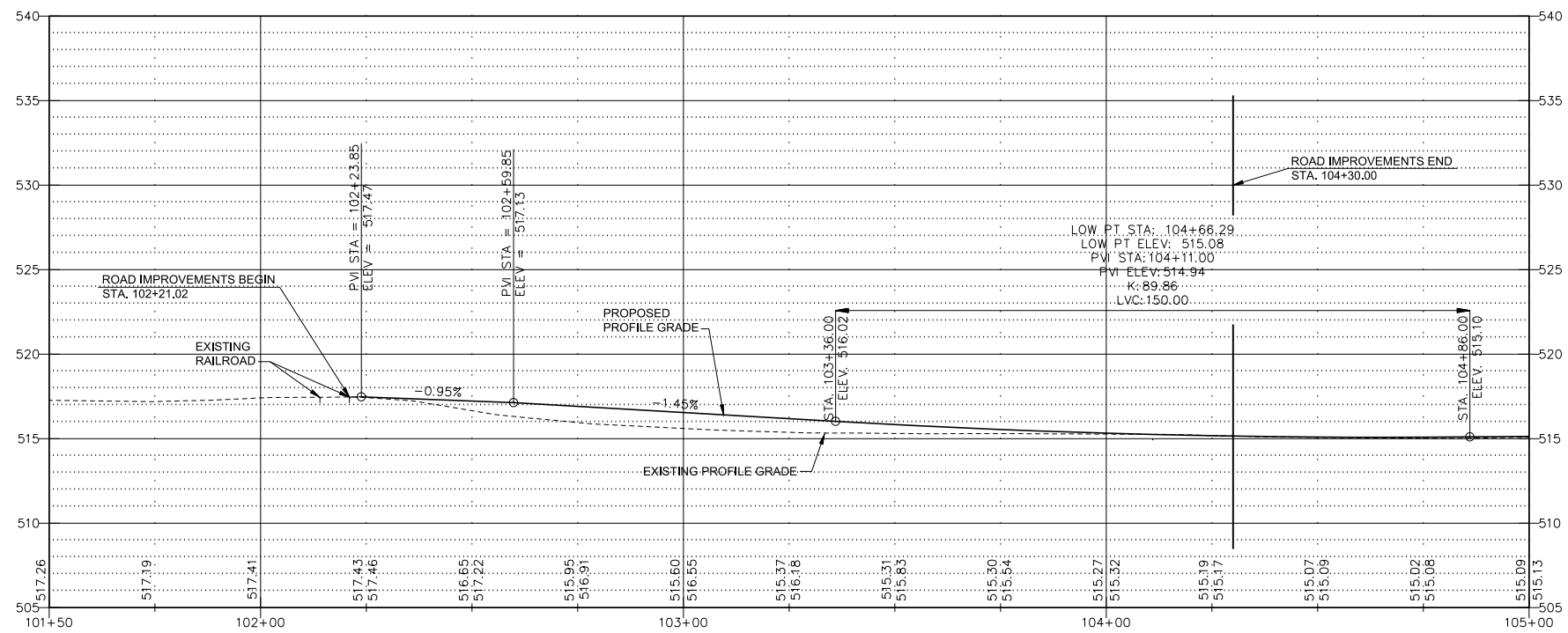
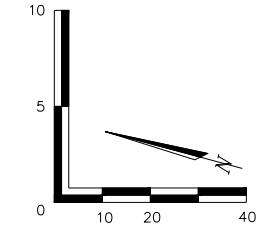


GRADING DETAIL

SCALE: 1" = 5'

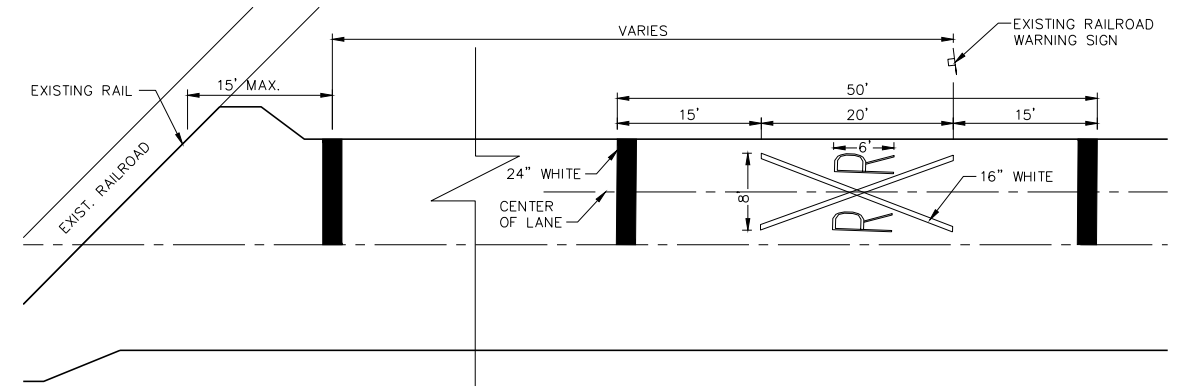
NOTE:

1. PROFILE SLOPES AND CROSS SLOPES HAVE BEEN DESIGNED TO MEET RAILROAD APPROACH REQUIREMENTS. NO CHANGES SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
2. THE FIELD ENTRANCE AT STA. 103+03.78 RT. SHALL NOT EXCEED 15% SLOPE.



PROFILE

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



RAILROAD CROSSING PAVEMENT MARKINGS (BY OTHERS)

SCALE: 1" = 10'

NOTES:

1. RAILROAD CROSSING MARKINGS SHOWN ARE TYPICAL. PAVEMENT MARKINGS TO BE COMPLETED ON BOTH APPROACHES.
2. PAVEMENT MARKINGS ARE TO BE COMPLETED BY OTHERS.

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	DRAWN - FUH	REVISED -
PLOT SCALE =	CHECKED - DLH	REVISED -
PLOT DATE = 9/30/2021 9:02 AM	DATE - 09/17/2021	REVISED -

**FONDULAC TOWNSHIP
FARMDALE ROAD RESURFACING CONSTRUCTION**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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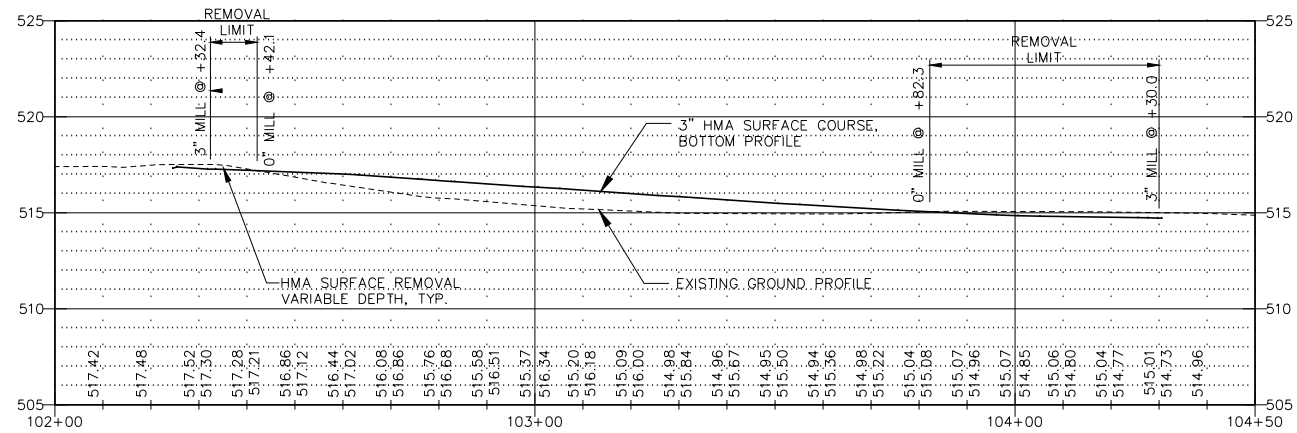
**FARMDALE ROAD
PLAN AND PROFILE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	9
FED. PROJECT NO.	CONTRACT NO.			
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	CADD FILE NAME		

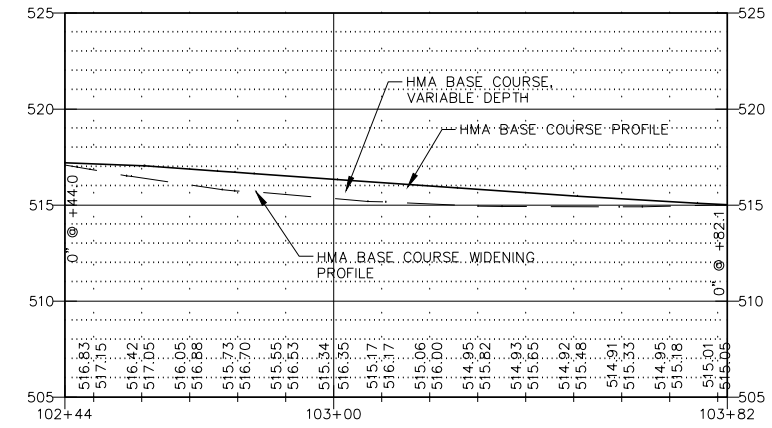
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	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	ALIGNMENT CHECKED		
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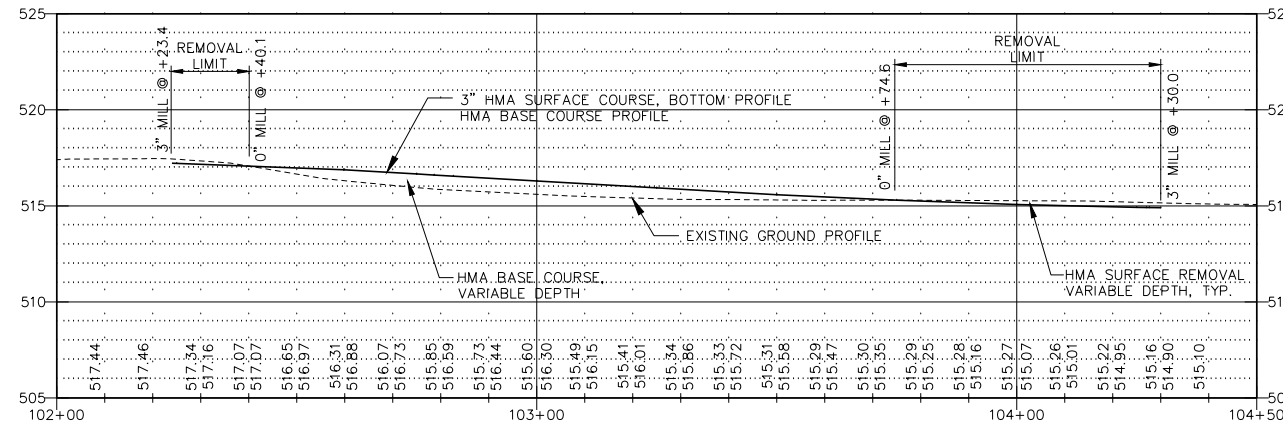
HMA SURFACE REMOVAL VARIABLE DEPTH PROFILE @ 9' OFFSET LEFT

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



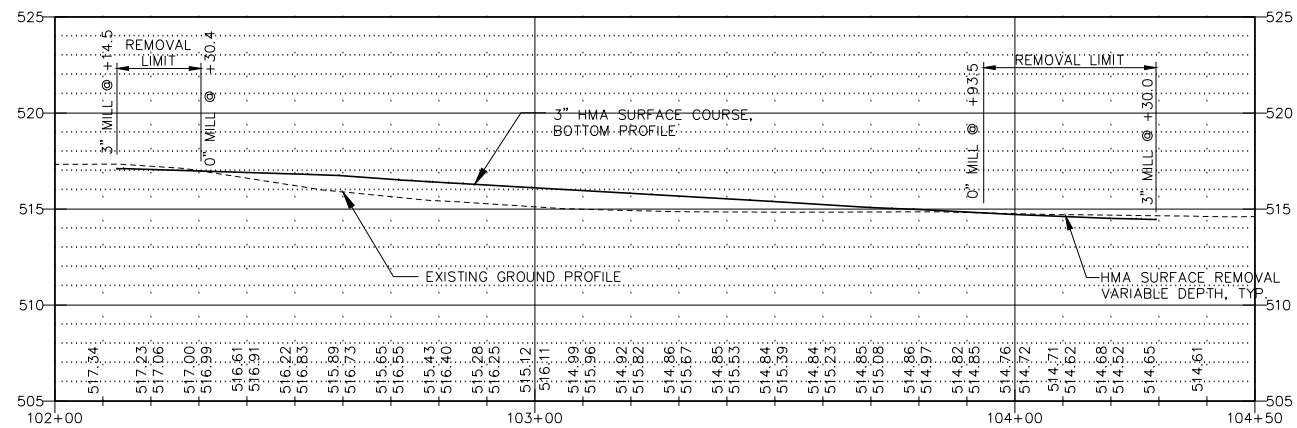
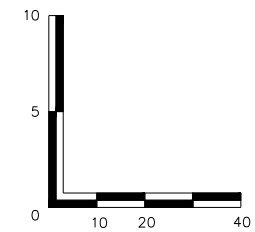
HMA BASE COURSE DEPTH PROFILE @ 11' OFFSET LEFT

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



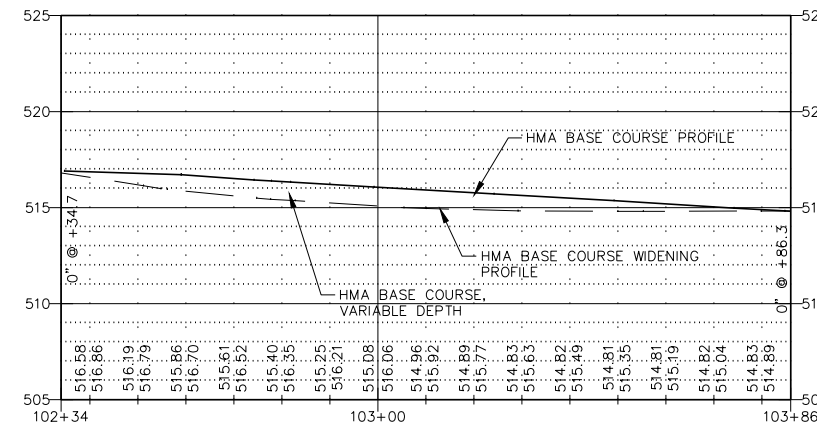
HMA SURFACE REMOVAL VARIABLE DEPTH & HMA BASE COURSE DEPTH CENTERLINE PROFILE

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



HMA SURFACE REMOVAL VARIABLE DEPTH PROFILE @ 9' OFFSET RIGHT

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



HMA BASE COURSE DEPTH PROFILE @ 11' OFFSET RIGHT

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'

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184-005896

USER NAME = Furquan ul haq	DESIGNED - CSA	REVISED -
	DRAWN - FUH	REVISED -
PLOT SCALE =	CHECKED - DLH	REVISED -
PLOT DATE = 9/30/2021 9:02 AM	DATE - 09/17/2021	REVISED -

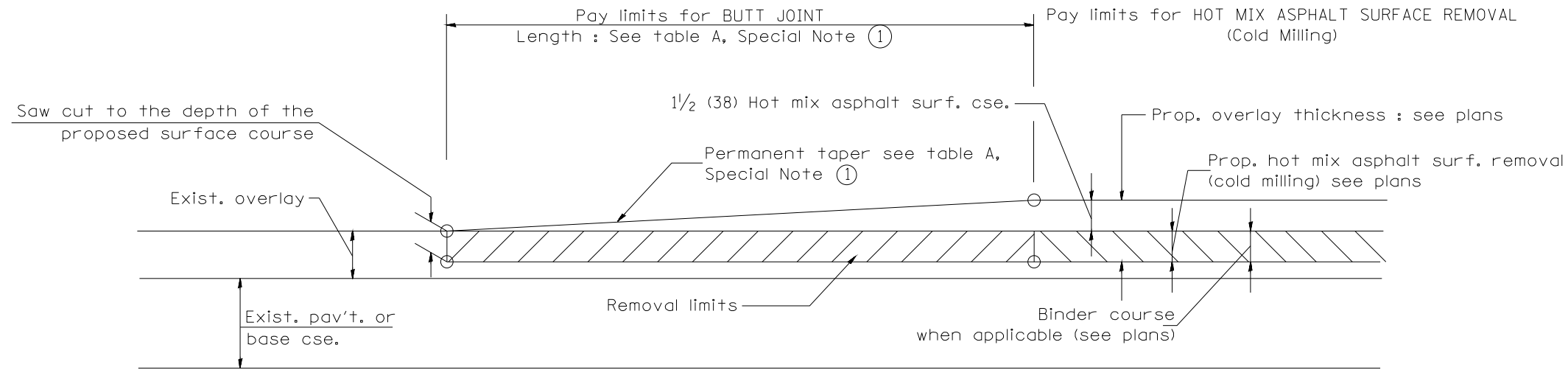
FONDULAC TOWNSHIP
FARMDALE ROAD RESURFACING CONSTRUCTION

FARMDALE ROAD MISCELLANEOUS PROFILES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	10
FED. PROJECT NO.		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
PLAN	
NOTE BOOK NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
PROFILE	
NOTE BOOK NO.	



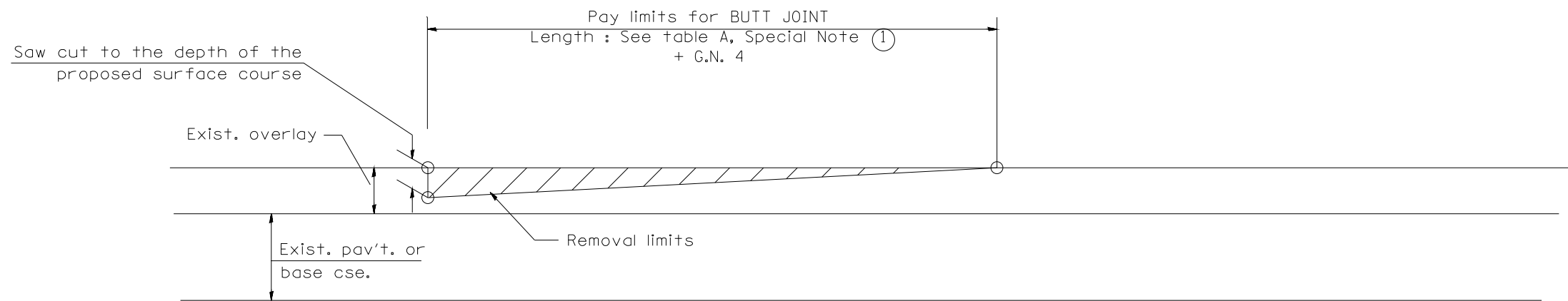
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A
TAPER RATES

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

GENERAL NOTES

- The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
- The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
- The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
- The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
- Temporary ramps are paid for separately and not included in the cost of the butt joints.



CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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

01-01-97	RENUM..C-23,01..NEW_REVISION_BOX.....	.T.P..	08-21-13	MAJOR_MODIFICATIONS.....	.R.D..
04-01-97	CORRECTION_TO_DEPTH.....	.J.A..	04-12-16	MINOR_CORRECTIONS.....	.R.D..
09-15-05	REVISED_DESIGNER_NOTE.....	M.M.A.	02-14-17	ADDED_NOTE_5.....	.R.D..
10-16-06	REVISED_TO_2007_SPEC.....	.M.A..	07-16-19	Wording_and_Spelling_corrections.....	.R.D..

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

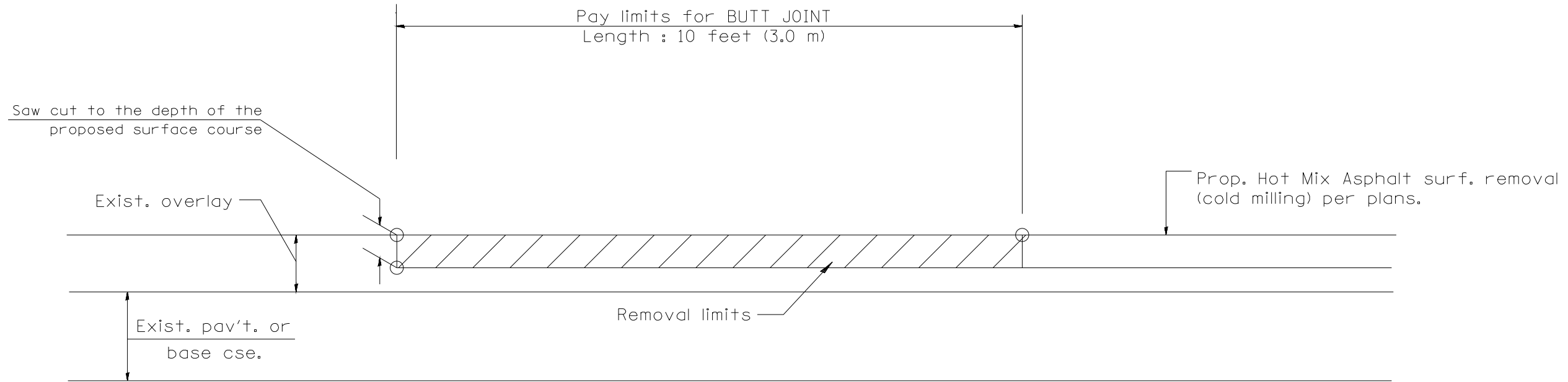
NOT TO SCALE

SHT..1 OF .3
...CAD_STD..406101-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			18	11
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

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

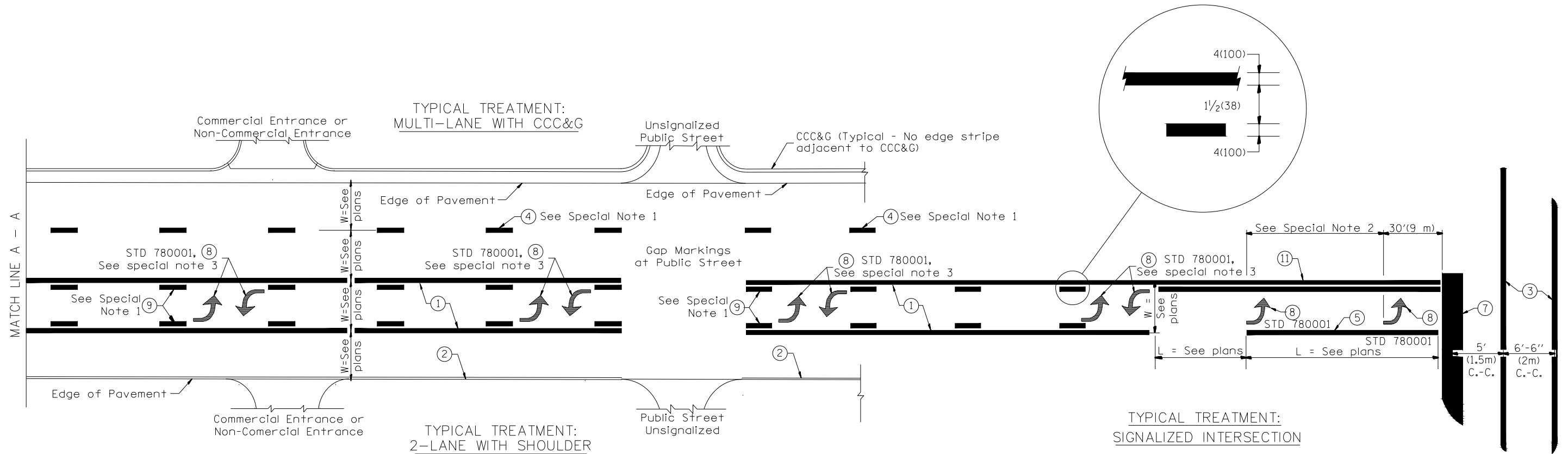
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINTS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					18	13
					CONTRACT NO.	
					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

NOT TO SCALE

SHT. 3 OF 3
CAD STD. 406101-D4

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
NO. _____	
NOTE BOOK	
NO. _____	
CAD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NO. _____	
NOTE BOOK	
NO. _____	
STRUCTURE	
NOTATRS CHFD	



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A)
- ⑪ 4(100) Double Solid (Yellow)

SPECIAL NOTES

- Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
- The following shall apply to arrows located in one-way left turn lanes:
 - A minimum of two (2) arrows is required.
 - The maximum spacing between arrows is 80' (24 m).
 - Arrows shall be evenly spaced if three (3) or more are required.
- The following shall apply to arrow pairs located in two-way left turn lanes:
 - A minimum of two (2) arrow pairs is required.
 - The maximum spacing between arrow pairs is 200' (61 m).
 - Arrow pairs shall be evenly spaced if three (3) or more are required.
 - The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

- Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
- See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
- Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
- Areas are grooved 1" beyond each edge for the following symbols:
Through Arrow= 14.8 sq. ft.
Large Left or Right Arrow= 21.9 sq. ft.
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
Wrong Way Arrow= 29.5 sq. ft.
Railroad Crossing Symbol= 69.8 sq. ft.
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

DESIGNER NOTES: 1. Include State Standard 780001 (Typical Pavement Markings)

01-01-97	RENUM.F-8.03..NEW_REVISION_BOX.....	.T.P..	10-16-06	REVISED_TO_2007_SPEC.....
02-07-97	ADD_BI_DIRECTIONAL_DIMENSION.....	.J.A..	2/29/16	ADDED_GROOVING_AREAS.....	.R.D..
..10-97..	CORRECT_BI_DIRECTIONAL_DIMENSION.....	.J.A..	07:16:19	SPELLING_CORRECTIONS.....	.R.D..
..08-02..	ADD_CROSSWALK_DMNS..WITH_T.S.....	.M.A..

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

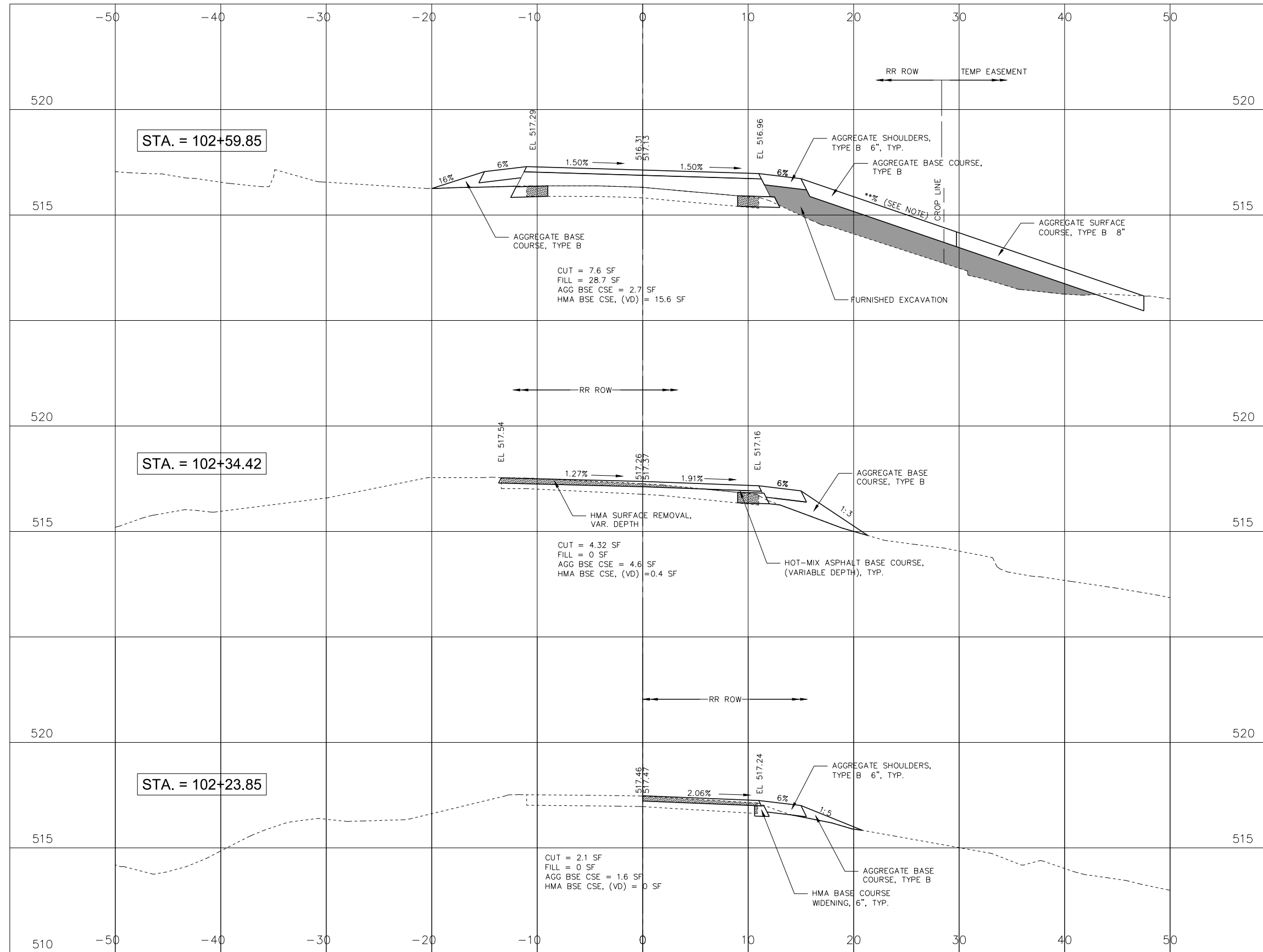
NOT TO SCALE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.....	18	14
CONTRACT NO.			
SHT..1..OF..2 ...CAD..STD..780001-D4 FED. ROAD DIST. NO. . ILLINOIS FED. AID PROJECT				

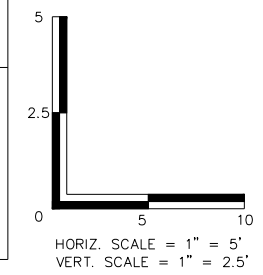
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	PLOTTED	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	CADD FILE NAME	

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NOTE:
** THE FIELD ENTRANCE AT STA. 103+03.78 RT. SHALL NOT EXCEED 15% SLOPE.



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USER NAME = Furquan ul haq	DESIGNED - CSA	REVISED -
	DRAWN - FUH	REVISED -
PLOT SCALE =	CHECKED - DLH	REVISED -
PLOT DATE = 9/30/2021 9:03 AM	DATE - 09/17/2021	REVISED -

FONDULAC TOWNSHIP
FARMDALE ROAD RESURFACING CONSTRUCTION

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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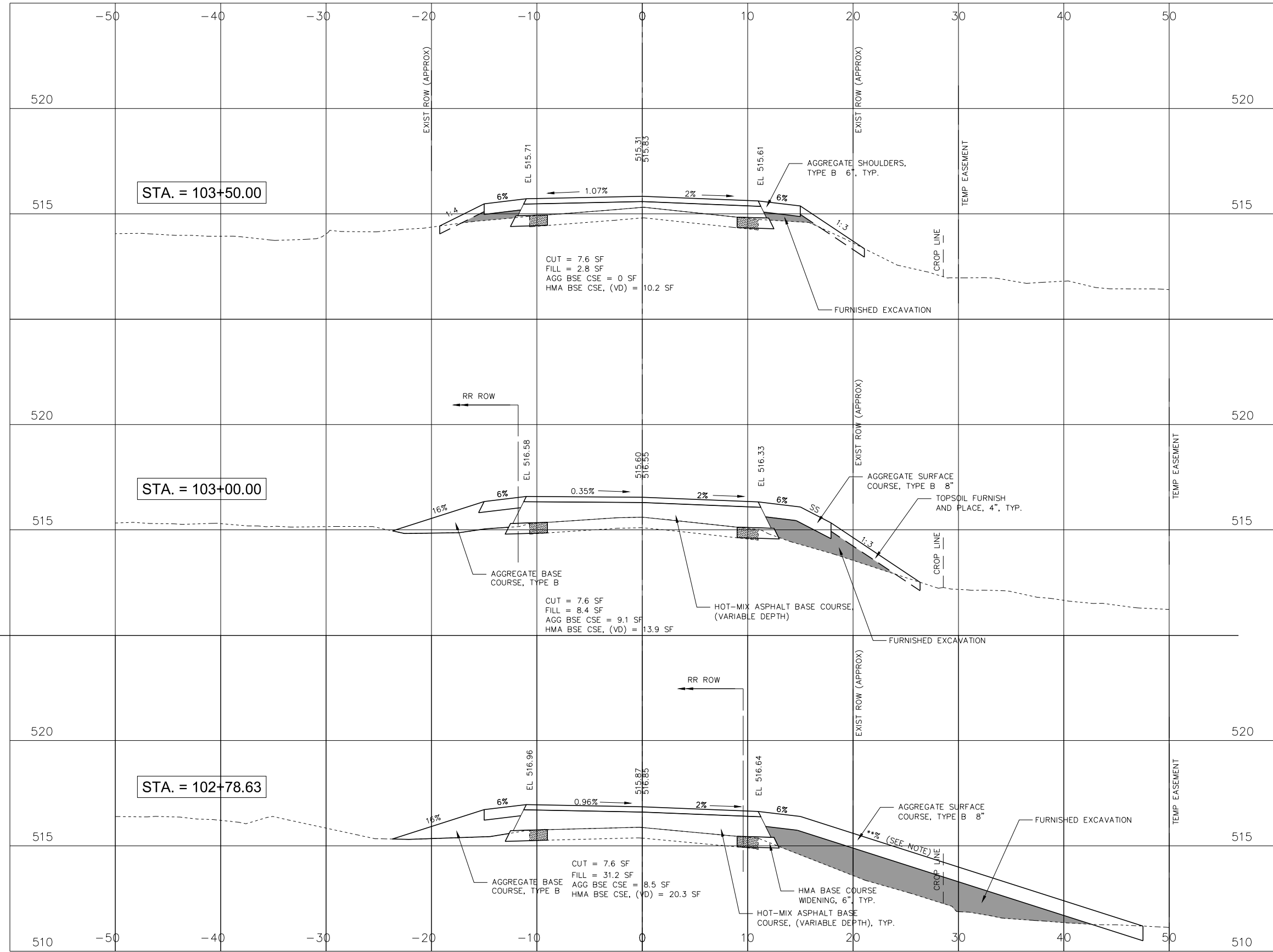
FARMDALE ROAD
CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	16
FED. PROJECT NO.	CONTRACT NO.			
ILLINOIS FED. AID PROJECT				

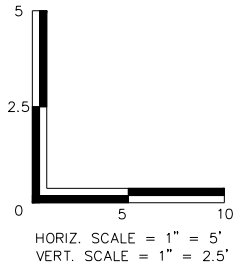
DATE	
BY	
PLAN	SUBMITTED
	PLOTTED
	ALIGNMENT CHECKED
	NOTE BOOK
	NO.
	CADD FILE NAME

DATE	
BY	
PROFILE	SUBMITTED
	PLOTTED
	GRADES CHECKED
	NOTE BOOK
	NO.
	STRUCTURE NOTATIONS CHKD

S:\Engineering\Projects\Fondulac Township\20200122 Farmdale Road NS RR Crossing\400 CAD\403 Plans\C15-XSEC.dwg



NOTE:
 ** THE FIELD ENTRANCE AT STA. 103+03.78 RT. SHALL NOT EXCEED 15% SLOPE.



MW
 Midwest Engineering
 Associates, Inc.
 140 E. Washington Street
 East Peoria, Illinois 61611
 309.689.8085
 IL Design Firm Reg. No.
 184-005896

USER NAME = Furquan ul haq	DESIGNED - CSA	REVISED -
	DRAWN - FUH	REVISED -
	CHECKED - DLH	REVISED -
	DATE - 09/17/2021	REVISED -
PLOT SCALE =		
PLOT DATE = 9/30/2021 9:03 AM		

FONDULAC TOWNSHIP
 FARMDALE ROAD RESURFACING CONSTRUCTION

FARMDALE ROAD
 CROSS SECTIONS

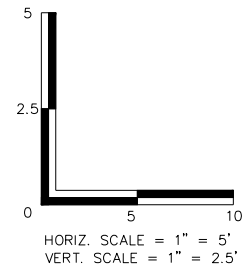
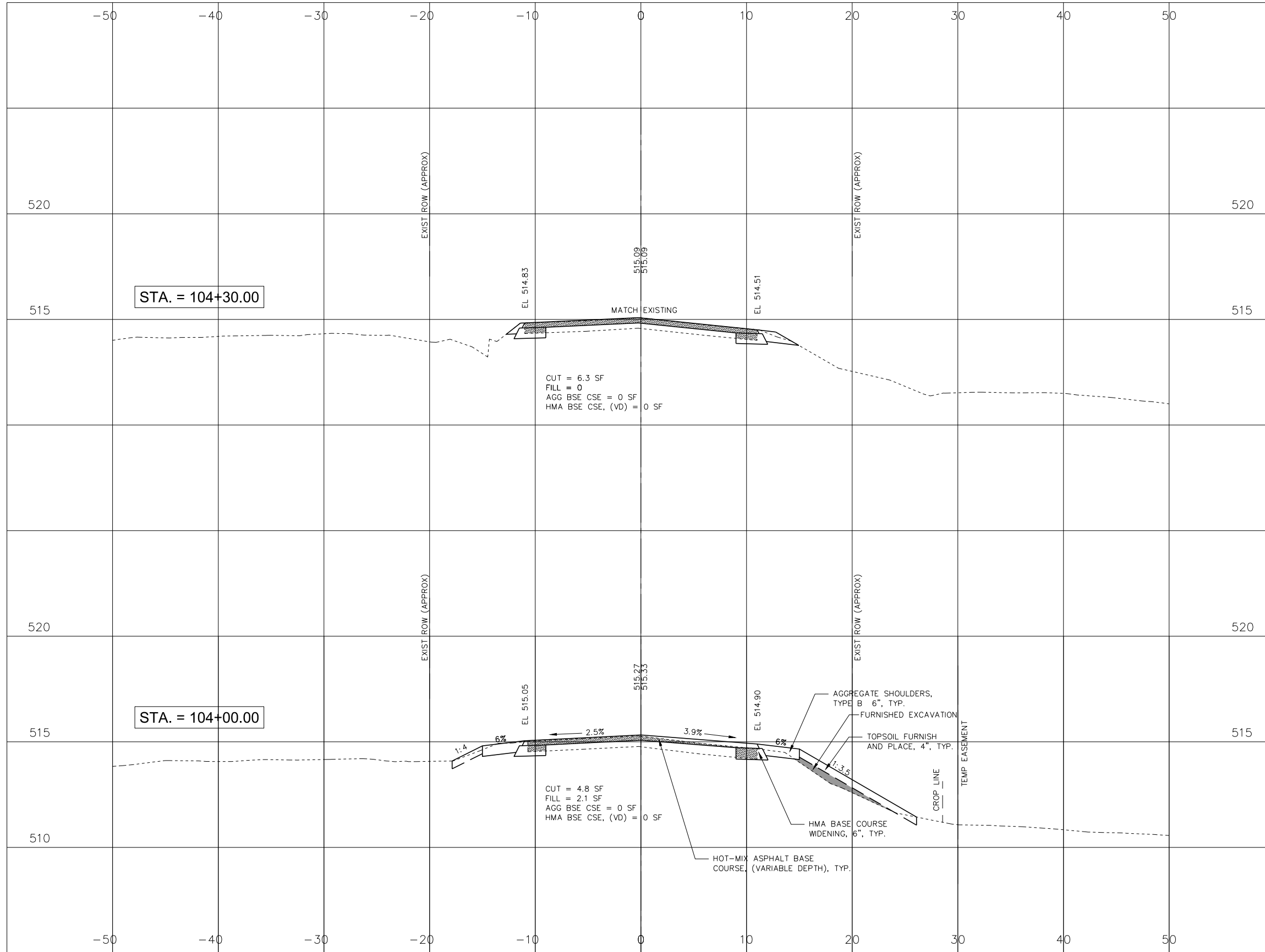
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	17
FED. PROJECT NO.		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
NO.	
NOTE BOOK	
CHECKED	
ALIGNMENT	
PLOTTED	
SURVEYED	
FILE NAME	

DATE	
BY	
PROFILE	
NO.	
NOTE BOOK	
CHECKED	
GRADES	
PLOTTED	
SURVEYED	

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	DRAWN - FUH	REVISED -
PLOT SCALE =	CHECKED - DLH	REVISED -
PLOT DATE = 9/30/2021 9:03 AM	DATE - 09/17/2021	REVISED -


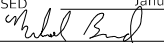
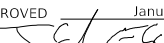
FONDULAC TOWNSHIP
 FARMDALE ROAD RESURFACING CONSTRUCTION

FARMDALE ROAD
 CROSS SECTIONS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6775	20-07111-00-RR	TAZEWELL	18	18
FED. PROJECT NO.	CONTRACT NO.			
ILLINOIS FED. AID PROJECT				

ABV	ABOVE	CU YD	CUBIC YARD	HATCH	HATCHING	PM	PAVEMENT MARKING	STD	STANDARD
A/C	ACCESS CONTROL	CULV	CULVERT	HD	HEAD	PED	PEDESTAL	SBI	STATE BOND ISSUE
AC	ACRE	C&G	CURB & GUTTER	HDW	HEADWALL	PNT	POINT	SR	STATE ROUTE
ADJ	ADJUST	D	DEGREE OF CURVE	HDUTY	HEAVY DUTY	PC	POINT OF CURVATURE	STA	STATION
AS	AERIAL SURVEYS	DC	DEPRESSED CURVE	ha	HECTARE	PI	POINT OF INTERSECTION OF HORIZONTAL CURVE	SPBGR	STEEL PLATE BEAM GUARDRAIL
AGG	AGGREGATE	DET	DETECTOR	HMA	HOT MIX ASPHALT	PRC	POINT OF REVERSE CURVE	SS	STORM SEWER
AH	AHEAD	DIA	DIAMETER	HWY	HIGHWAY	PT	POINT OF TANGENCY	STY	STORY
APT	APARTMENT	DIST	DISTRICT	HORIZ	HORIZONTAL	POT	POINT ON TANGENT	ST	STREET
ASPH	ASPHALT	DOM	DOMESTIC	HSE	HOUSE	POLYETH	POLYETHYLENE	STR	STRUCTURE
AUX	AUXILIARY	DBL	DOUBLE	IL	ILLINOIS	PCC	PORTLAND CEMENT CONCRETE	e	SUPERELEVATION RATE
AGS	AUXILIARY GAS VALVE (SERVICE)	DSEL	DOWNSTREAM ELEVATION	IMP	IMPROVEMENT	PP	POWER POLE OR PRINCIPAL POINT	S.E. RUN.	SUPERELEVATION RUNOFF LENGTH
AVE	AVENUE	DSFL	DOWNSTREAM FLOWLINE	IN DIA	INCH DIAMETER	PRM	PRIME	SURF	SURFACE
AX	AXIS OF ROTATION	DR	DRAINAGE OR DRIVE	INL	INLET	PE	PRIVATE ENTRANCE	SMK	SURVEY MARKER
BK	BACK	DI	DRAINAGE INLET OR DROP INLET	INST	INSTALLATION	PE	PROFILE	T	TANGENT DISTANCE
B-B	BACK TO BACK	DRV	DRIVEWAY	IDS	INTERSECTION DESIGN STUDY	PROF	PROFILE	T.R.	TANGENT RUNOUT DISTANCE
BKPL	BACKPLATE	DCT	DUCT	INV	INVERT	PGL	PROFILE GRADELINE	TEL	TELEPHONE
B	BARN	EA	EACH	IP	IRON PIPE	PROJ	PROJECT	TB	TELEPHONE BOX
BARR	BARRICADE	EB	EASTBOUND	IR	IRON ROD	P.C.	PROPERTY CORNER	TP	TELEPHONE POLE
BL	BASELINE	EOP	EDGE OF PAVEMENT	JT	JOINT	PL	PROPERTY LINE	TEMP	TEMPORARY
BGN	BEGIN	E-CL	EDGE TO CENTERLINE	kg	KILOGRAM	PR	PROPOSED	TBM	TEMPORARY BENCH MARK
BM	BENCHMARK	E-E	EDGE TO EDGE	km	KILOMETER	R	RADIUS or RESIDENTIAL	TD	TILE DRAIN
BIND	BINDER	ELEC	ELECTRICAL	LS	LANDSCAPING	RR	RAILROAD	TBE	TO BE EXTENDED
BIT	BITUMINOUS	EL	ELEVATION	LN	LANE	RRS	RAILROAD SPIKE	TBR	TO BE REMOVED
BTM	BOTTOM	ENTR	ENTRANCE	LT	LEFT	RPS	REFERENCE POINT STAKE	TBS	TO BE SAVED
BLVD	BOULEVARD	EXC	EXCAVATION	LIDAR	LIGHT DETECTION AND RANGING	REF	REFLECTIVE	TWP	TOWNSHIP
BRK	BRICK	EX	EXISTING	LP	LIGHT POLE	RCCP	REINFORCED CONCRETE CULVERT PIPE	TR	TOWNSHIP ROAD
BBOX	BUFFALO BOX	EXPWAY	EXPRESSWAY	LGT	LIGHTING	REINF	REINFORCEMENT	TS	TRAFFIC SIGNAL
BLDG	BUILDING	E	EXTERNAL DISTANCE OF HORIZONTAL CURVE	LF	LINEAL FEET OR LINEAR FEET	REM	REMOVAL	TSCB	TRAFFIC SIGNAL CONTROL BOX
CATV	CABLE	E	OFFSET DISTANCE TO VERTICAL CURVE	L	LITER OR CURVE LENGTH	RC	REMOVE CROWN	TSC	TRAFFIC SYSTEMS CENTER
CIP	CAST IRON PIPE	F-F	FACE TO FACE	LC	LONG CHORD	REP	REPLACEMENT	TRVS	TRANSVERSE
CB	CATCH BASIN	FA	FEDERAL AID	LNG	LONGITUDINAL	REST	RESTAURANT	TRVL	TRAVEL
C-C	CENTER TO CENTER	FAI	FEDERAL AID INTERSTATE	L SUM	LUMP SUM	RESURF	RESURFACING	TRN	TURN
CL	CENTERLINE OR CLEARANCE	FAP	FEDERAL AID PRIMARY	MACH	MACHINE	RET	RETAINING	TY	TYPE
CL-E	CENTERLINE TO EDGE	FAS	FEDERAL AID SECONDARY	MB	MAIL BOX	RT	RIGHT	T-A	TYPE A
CL-F	CENTERLINE TO FACE	FAUS	FEDERAL AID URBAN SECONDARY	MH	MANHOLE	ROW	RIGHT-OF-WAY	TYP	TYPICAL
CTS	CENTERS	FP	FENCE POST	MATL	MATERIAL	RD	ROAD	UNDGND	UNDERGROUND
CERT	CERTIFIED	OPT	FIBER OPTIC	MED	MEDIAN	RDWY	ROADWAY	USGS	U.S. GEOLOGICAL SURVEY
CHSLD	CHISELED	FE	FIELD ENTRANCE	m	METER	RTE	ROUTE	USEL	UPSTREAM ELEVATION
CS	CITY STREET	FH	FIRE HYDRANT	METH	METHOD	SAN	SANITARY	USFL	UPSTREAM FLOWLINE
CP	CLAY PIPE	FL	FLOW LINE	M	MID-ORDINATE	SANS	SANITARY SEWER	UTIL	UTILITY
CLSD	CLOSED	FB	FOOT BRIDGE	mm	MILLIMETER	SEC	SECTION	VBOX	VALVE BOX
CLID	CLOSED LID	FDN	FOUNDATION	mm DIA	MILLIMETER DIAMETER	SEED	SEEDING	VV	VALVE VAULT
CT	COAT OR COURT	FR	FRAME	MIX	MIXTURE	SHAP	SHAPING	VL	VAULT
COMB	COMBINATION	F&G	FRAME & GRATE	MBH	MOBILE HOME	S	SHED	VEH	VEHICLE
C	COMMERCIAL BUILDING	FRWAY	FREEWAY	MOD	MODIFIED	SH	SHEET	VP	VENT PIPE
CE	COMMERCIAL ENTRANCE	GAL	GALLON	MFT	MOTOR FUEL TAX	SHLD	SHOULDER	VERT	VERTICAL
CONC	CONCRETE	GALV	GALVANIZED	N & BC	NAIL & BOTTLE CAP	SW	SIDEWALK OR SOUTHWEST	VC	VERTICAL CURVE
CONST	CONSTRUCT	G	GARAGE	N & C	NAIL & CAP	SIG	SIGNAL	VPC	VERTICAL POINT OF CURVATURE
CONTD	CONTINUED	GM	GAS METER	N & W	NAIL & WASHER	SOD	SODDING	VPI	VERTICAL POINT OF INTERSECTION
CONT	CONTINUOUS	GV	GAS VALVE	NC	NORMAL CROWN	SM	SOLID MEDIUM	VPT	VERTICAL POINT OF TANGENCY
COR	CORNER	GIS	GEOGRAPHICAL INFORMATION SYSTEM	NB	NORTHBOUND	SB	SOUTHBOUND	WM	WATER METER
CORR	CORRUGATED	GRAN	GRANULAR	NE	NORTHEAST	SE	SOUTHEAST	VV	WATER VALVE
CMP	CORRUGATED METAL PIPE	GR	GRATE	NW	NORTHWEST	SPL	SPECIAL	WMAIN	WATER MAIN
CNTY	COUNTY	GRVL	GRAVEL	O/S	OFFSET	SD	SPECIAL DITCH	WB	WESTBOUND
CH	COUNTY HIGHWAY	GND	GROUND	O&C	OIL AND CHIP	SQ FT	SQUARE FEET	WILDFL	WILDFLOWERS
CSE	COURSE	GUT	GUTTER	OLID	OPEN LID	m ²	SQUARE METER	W	WITH
XSECT	CROSS SECTION	GP	GUY POLE	PAT	PATTERN	mm ²	SQUARE MILLIMETER	WO	WITHOUT
m ³	CUBIC METER	GW	GUY WIRE	PVD	PAVED	SQ YD	SQUARE YARD		
mm ³	CUBIC MILLIMETER	HH	HANDHOLE	PVMT	PAVEMENT	STB	STABILIZED		

 Illinois Department of Transportation	
PASSED <u>January 1, 2021</u>  ENGINEER OF POLICY AND PROCEDURES	ISSUED 1-1-97
APPROVED <u>January 1, 2021</u>  ENGINEER OF DESIGN AND ENVIRONMENT	


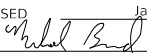
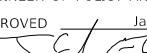
DATE	REVISIONS
1-1-21	Updated fonts, abbreviations and symbols.
1-1-19	Added new symbols.

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 1 of 9)

STANDARD 000001-08

<u>ADJUSTMENT ITEMS</u>		<u>EX</u>	<u>PR</u>	<u>ALIGNMENT ITEMS</u>		<u>EX</u>	<u>PR</u>	<u>DRAINAGE ITEMS</u>		<u>EX</u>	<u>PR</u>
Structure To Be Adjusted			ADJ	Baseline	_____	_____		Channel or Stream Line	-----	-----	
Structure To Be Cleaned			C	Centerline	-----	-----		Culvert Line	-----	-----	
Main Structure To Be Filled			FM	Centerline Break Circle	o	o		Grading & Shaping Ditches	-----	-----	
Structure To Be Filled			F	Baseline Symbol	BL	BL		Drainage Boundary Line	////	////	
Structure To Be Filled Special			FSP	Centerline Symbol	CL	CL		Paved Ditch	=====	=====	
Structure To Be Removed			R	PI Indicator	Δ	Δ		Aggregate Ditch	=====	=====	
Structure To Be Reconstructed			REC	Point Indicator	o	o		Pipe Underdrain	=====	=====	
Structure To Be Reconstructed Special			RSP	Horizontal Curve Data (Half Size)	EX. CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=		Storm Sewer	=====	=====	
Frame and Grate To Be Adjusted			A	<u>BOUNDARIES ITEMS</u>		<u>EX</u>	<u>PR</u>	Flowline	FL	FL	
Frame and Lid To Be Adjusted			A	Dashed Property Line	-----	-----		Ditch Check	◆	◆	
Domestic Service Box To Be Adjusted			A	Solid Property/Lot Line	_____	_____		Headwall	-	∩	
Valve Vault To Be Adjusted			A	Section/Grant Line	-----	-----		Inlet	□	■	
Special Adjustment			SP	Quarter Section Line	-----	-----		Manhole	⊙	⊙	
Item To Be Abandoned			AB	Quarter/Quarter Section Line	-----	-----		Summit	↔	↔	
Item To Be Moved			M	County/Township Line	-----	-----		Roadway Ditch Flow	~→	~→	
Item To Be Relocated			REL	State Line	-----	-----		Swale	→	→	
Pavement Removal and Replacement				Chiseled Square Found	□	□		Catch Basin	○	●	
				Iron Pipe Found	○	●		Culvert End Section	◁	◁	
				Iron Pipe Set	●	●		Water Surface Indicator	▽	▽	
				Survey Marker	◐	◐		Riprap	▒	▒	
				Property Line Symbol	PL	PL		<u>HYDRAULICS ITEMS</u>		<u>EX</u>	<u>PR</u>
				Same Ownership Symbol (Half Size)	↗	↗		Overflow	↪	↪	
				Northwest Quarter Corner (Half Size)	⊙	⊙		Sheet Flow	→	→	
				Section Corner (Half Size)	⊙	⊙		Hydrant Outlet	→	→	
				Southeast Quarter Corner (Half Size)	⊙	⊙		STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS (Sheet 2 of 9) STANDARD 000001-08			


 Illinois Department of Transportation
 PASSED January 1, 2021

 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2021

 ENGINEER OF DESIGN AND ENVIRONMENT

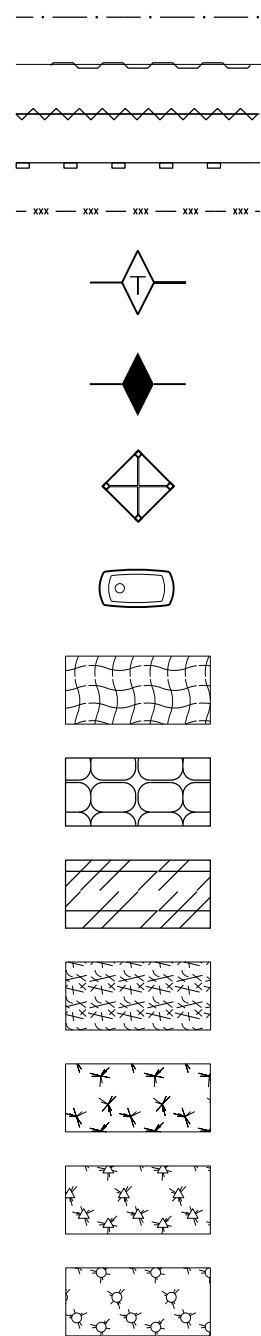
ISSUED 1-1-97

EROSION & SEDIMENT CONTROL ITEMS

EX

PR

- Cleaning & Grading Limits
- Dike
- Erosion Control Fence
- Perimeter Erosion Barrier
- Temporary Fence
- Ditch Check Temporary
- Ditch Check Permanent
- Inlet & Pipe Protection
- Sediment Basin
- Erosion Control Blanket
- Fabric Formed Concrete Revetment Mat
- Turf Reinforcement Mat
- Mulch Temporary
- Mulch Method 1
- Mulch Method 2 Stabilized
- Mulch Method 3 Hydraulic

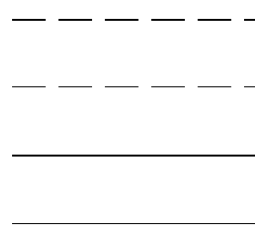


CONTOUR ITEMS

EX

PR

- Approx. Index Line
- Approx. Intermediate Line
- Index Contour
- Intermediate Contour

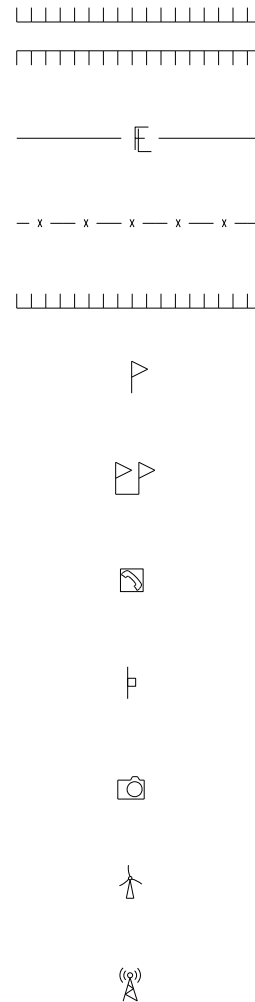


NON-HIGHWAY IMPROVEMENT ITEMS

EX

PR

- Noise Attn./Levee
- Field Line
- Fence
- Base of Levee
- Mailbox
- Multiple Mailboxes
- Pay Telephone
- Advertising Sign
- ITS* Camera
- Wind Turbine
- Cellular Tower



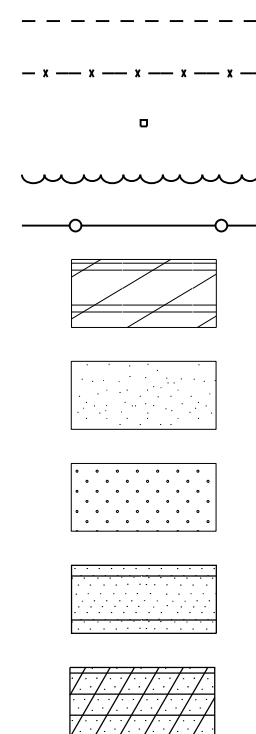
*Intelligent Transportation Systems

LANDSCAPING ITEMS

EX

PR

- Contour Mounding Line
- Fence
- Fence Post
- Shrubs
- Mowline
- Perennial Plants
- Seeding Class 2
- Seeding Class 2A
- Seeding Class 4
- Seeding Class 4 & 5 Combined

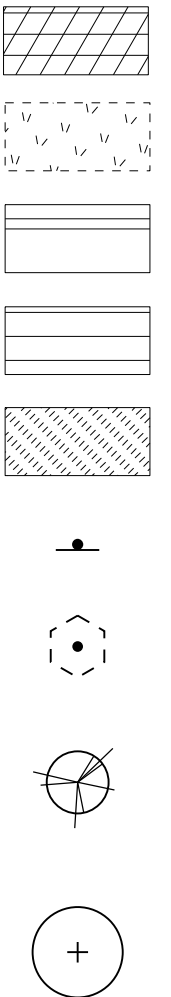


EXISTING LANDSCAPING ITEMS (contd.)

EX

PR

- Seeding Class 5
- Seeding Class 7
- Seedlings Type 1
- Seedlings Type 2
- Sodding
- Mowstake w/Sign
- Tree Trunk Protection
- Evergreen Tree
- Shade Tree

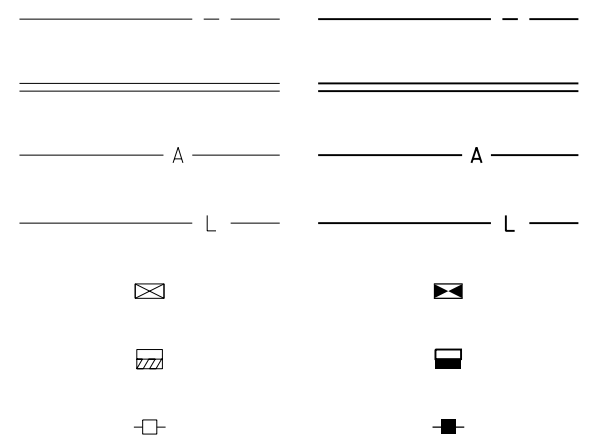


LIGHTING

EX

PR

- Duct
- Conduit
- Electrical Aerial Cable
- Electrical Buried Cable
- Controller
- Underpass Luminaire
- Power Pole



Illinois Department of Transportation

PASSED January 1, 2021
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
Joe E. Cole
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 (Sheet 3 of 9)

STANDARD 000001-08

**LIGHTING
(contd.)**

EX

PR

Pull Point



Handhole



Heavy Duty Handhole



Junction Box



Light Unit Comb.



Electrical Ground



Traffic Flow Arrow



High Mast Pole
(Half Size)



Light Unit-1

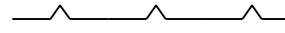


PAVEMENT (MISC.)

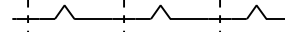
EX

PR

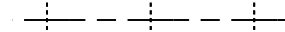
Keyed Long. Joint



Keyed Long. Joint w/Tie Bars



Sawed Long. Joint w/Tie Bars



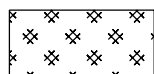
Bituminous Shoulder



Bituminous Taper



Stabilized Driveway



Widening



PAVEMENT MARKINGS

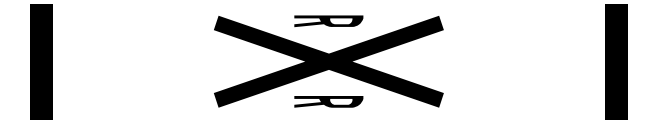
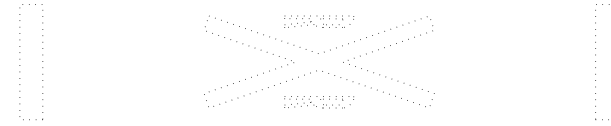
EX

PR

Handicap Symbol



RR Crossing



Raised Marker Amber 1 Way



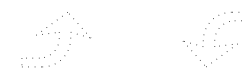
Raised Marker Amber 2 Way



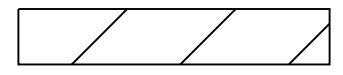
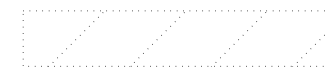
Raised Marker Crystal 1 Way



Two Way Turn Left



Shoulder Diag. Pattern



Skip-Dash White



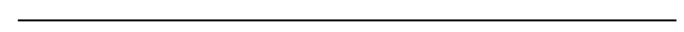
Skip-Dash Yellow



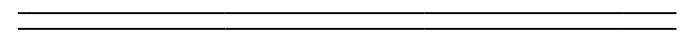
Stop Line



Solid Line



Double Centerline



Dotted Lines



Illinois Department of Transportation

PASSED January 1, 2021
Michael Bond
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
Joe E. Cole
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**

(Sheet 4 of 9)

STANDARD 000001-08

PAVEMENT MARKINGS
(contd.)

CL 2Ln 2Way
RRPM 12.2 m (40') o.c.

CL 2Ln 2Way
RRPM 80' (24.4 m) o.c.

CL Multilane Div.
RRPM 40' (12.2 m) o.c.

CL Multilane Div.
RRPM 80' (24.4 m) o.c.

CL Multilane Div. Dbl.
RRPM 80' (24.4 m) o.c.

CL Multilane Undiv.

Two Way Turn Left Line

Urban Combination Left

Urban Combination Right

Urban Left Turn Arrow

Urban Right Turn Arrow

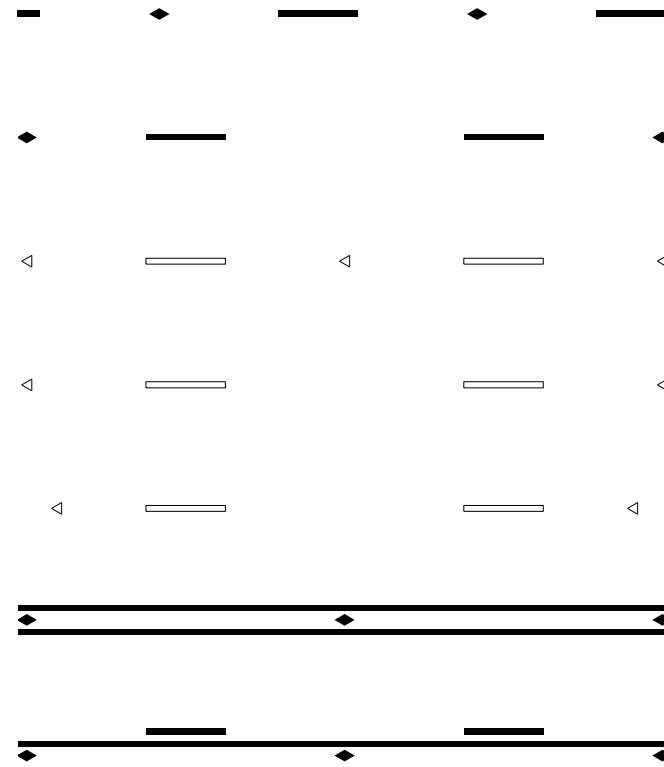
Urban Left Turn Only

Urban Right Turn Only

Urban Thru Only

EX

PR



ONLY
ONLY
ONLY

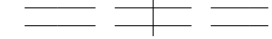


RAILROAD ITEMS

EX

PR

Abandoned Railroad



Railroad



Railroad Point



Control Box



Crossing Gate



Flashing Signal



Railroad Cant. Mast Arm



Crossbuck

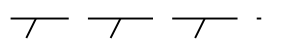


REMOVAL ITEMS

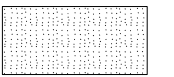
EX

PR

Removal Tic



Bituminous Removal



Hatch Pattern



Tree Removal Single



RIGHT OF WAY ITEMS

EX

PR

Future ROW Corner Monument



ROW Marker



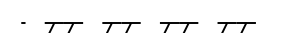
ROW Line



Easement



Temporary Easement



**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**

(Sheet 5 of 9)

STANDARD 000001-08

Illinois Department of Transportation

PASSED January 1, 2021
Michael Bond
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
Scott Clark
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

Urban LT & RT Turn Arrow

Urban Thru Arrow

PAVEMENT MARKINGS
(contd.)

EX

PR

Urban U-Turn



Urban Combined U-Turn



Rural Combination Left



Rural Combination Right



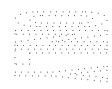
Rural Left Turn Arrow



Rural Right Turn Arrow



Rural Left Turn Only



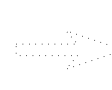
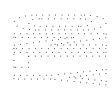
ONLY ONLY ONLY



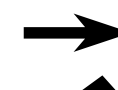
Rural Right Turn Only



Rural Thru Only



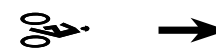
Rural Thru Arrow



Rural Lt & Rt Turn Arrow



Bike Lane Symbol



Bike Lane Text



Bike Path Shared



Bike Shared Roadway



Lane Drop Symbol



Wrong Way Arrow



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**STANDARD SYMBOLS,
 ABBREVIATIONS
 AND PATTERNS**
(Sheet 6 of 9)
STANDARD 000001-08

RIGHT OF WAY ITEMS
(contd.)

	EX	PR
Access Control Line	—	— AC —
Access Control Line & ROW	— AC —	— AC —
Access Control Line & ROW with Fence	— x — AC —	— x — AC — x —
Excess ROW Line		— XS —

ROADWAY PLAN
ITEMS

	EX	PR
Cable Barrier		
Concrete Barrier		
Edge of Pavement	---	---
Bit Shoulders, Medians and C&G Line	---	---
Aggregate Shoulder	---	---
Sidewalks, Driveways	---	---
Guardrail		
Guardrail Post	□	
Traffic Sign	⊥	⊥
Corrugated Median		
Impact Attenuator		
North Arrow with District Office (Half Size)		
Match Line		STA. 45+00
Slope Limit Line	---	
Typical Cross-Section Line	---	---

ROADWAY PROFILES

	EX	PR
P.I. Indicator	△	△
Point Indicator	○	○
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV = L = E =	VPI = ELEV = L = E =
Ditch Profile Left Side	-----	-----
Ditch Profile Right Side	-----	-----
Roadway Profile Line	-----	-----
Storm Sewer Profile Left Side	-----	-----
Storm Sewer Profile Right Side	-----	-----

SIGNING ITEMS

	EX	PR
Cone, Drum or Barricade		○
Barricade Type II		
Barricade Type III		TT
Barricade With Edge Line		
Flashing Light Sign		○
Panels I		
Panels II		
Direction of Traffic		
Sign Flag (Half Size)		

SIGNING ITEMS
(contd.)

	EX	PR
Reverse Left W1-4L (Half Size)		
Reverse Right W1-4R (Half Size)		
Two Way Traffic Sign W6-3 (Half Size)		
Detour Ahead W20-2(O) (Half Size)		
Left Lane Closed Ahead W20-5L(O) (Half Size)		
Right Lane Closed Ahead W20-5R(O) (Half Size)		
Road Closed Ahead W20-3(O) (Half Size)		
Road Construction Ahead W20-1(O) (Half Size)		
Single Lane Ahead (Half Size)		
Transition Left W4-2L (Half Size)		
Transition Right W4-2R (Half Size)		

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**STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS**
(Sheet 7 of 9)

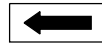
STANDARD 000001-08

SIGNING ITEMS
(contd.)

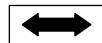
EX

PR

One Way Arrow Lrg. W1-6-(O)
(Half Size)



Two Way Arrow Large W1-7-(O)
(Half Size)



Detour M4-10L-(O)
(Half Size)



Detour M4-10R-(O)
(Half Size)



One Way Left R6-1L
(Half Size)



One Way Right R6-1R
(Half Size)



Left Turn Lane R3-I100L
(Half Size)



Keep Left R4-7AL
(Half Size)



Keep Left R4-7BL
(Half Size)



Keep Right R4-7AR
(Half Size)



Keep Right R4-7BR
(Half Size)



Stop Here On Red R10-6-AL
(Half Size)



Stop Here On Red R10-6-AR
(Half Size)



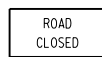
No Left Turn R3-2
(Half Size)



No Right Turn R3-1
(Half Size)



Road Closed R11-2
(Half Size)



Road Closed Thru Traffic R11-2
(Half Size)

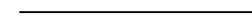


STRUCTURES ITEMS

EX

PR

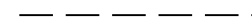
Box Culvert Barrel



Box Culvert Headwall



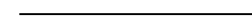
Bridge Pier



Bridge



Retaining Wall



Temporary Sheet Piling



TRAFFIC SHEET
ITEMS

EX

PR

Cable Number



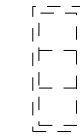
Left Turn Green



Left Turn Yellow



Signal Backplate



Signal Section 8" (200 mm)



Signal Section 12" (300 mm)



Walk/Don't Walk Letters



Walk/Don't Walk Symbols



TRAFFIC SIGNAL
ITEMS

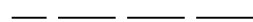
EX

PR

Galv. Steel Conduit



Underground Cable



Detector Loop Line



Detector Loop Large



Detector Loop Small



Detector Loop Quadrapole



STANDARD SYMBOLS,
ABBREVIATIONS
AND PATTERNS

(Sheet 8 of 9)

STANDARD 000001-08

Illinois Department of Transportation

PASSED January 1, 2021
Michael Bond
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
Joe E. Cline
ENGINEER OF DESIGN AND ENVIRONMENT

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TRAFFIC SIGNAL ITEMS (contd.)

EX

PR

Detector Raceway



Aluminum Mast Arm



Steel Mast Arm



Veh. Detector Magnetic



Conduit Splice



Controller



Gulfbox Junction



Wood Pole



Temp. Signal Head



Handhole



Double Handhole



Heavy Duty Handhole



Junction Box



Ped. Pushbutton Detector



Ped. Signal Head



Power Pole Service



Priority Veh. Detector



Signal Head



Signal Head w/Backplate



Signal Post



Closed Circuit TV



Video Detector System



UNDERGROUND UTILITY ITEMS

EX

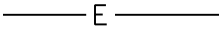
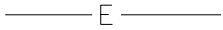
PR

ABANDONED

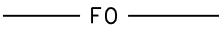
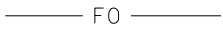
Cable TV



Electric Cable



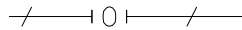
Fiber Optic



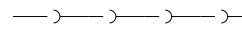
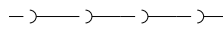
Gas Pipe



Oil Pipe



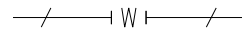
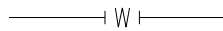
Sanitary Sewer



Telephone Cable



Water Pipe



UTILITIES ITEMS

EX

PR

Controller



Double Handhole



Fire Hydrant



GuyWire or Deadman Anchor



Handhole



Heavy Duty Handhole



Junction Box



Light Pole



Manhole



Monitoring Well (Gasoline)



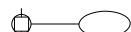
Pipeline Warning Sign



Power Pole



Power Pole with Light



Sanitary Sewer Cleanout



Splice Box Above Ground



Telephone Splice Box Above Ground



Telephone Pole



UTILITY ITEMS (contd.)

EX

PR

Traffic Signal



Traffic Signal Control Box



Water Meter



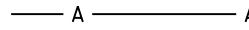
Water Meter Valve Box



Profile Line



Aerial Power Line



VEGETATION ITEMS

EX

PR

Deciduous Tree



Bush or Shrub



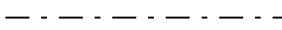
Evergreen Tree



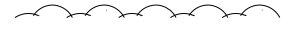
Stump



Orchard/Nursery Line



Vegetation Line



Woods & Bush Line

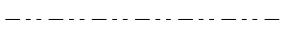


WATER FEATURE ITEMS

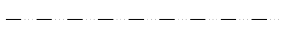
EX

PR

Stream or Drainage Ditch



Waters Edge



Water Surface Indicator



Water Point



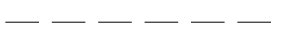
Disappearing Ditch



Marsh



Marsh/Swamp Boundary



Illinois Department of Transportation

PASSED January 1, 2021

APPROVED January 1, 2021

ISSUED 1-1-97

ENGINEER OF POLICY AND PROCEDURES

ENGINEER OF DESIGN AND ENVIRONMENT

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

(Sheet 9 of 9)

STANDARD 000001-08

DECIMAL OF AN INCH AND OF A FOOT

A		B		A		B		A		B		A		B			
1/64	0.0052	1/16	1 1/64	0.171875	2 1/16	1 1/32	0.3385	4 1/16	3 3/64	0.5052	6 1/16	4 3/64	0.671875	8 1/16	2 7/32	0.8385	10 1/16
	0.0104	1/8		0.1771	2 1/8		0.34375	4 1/8		0.5104	6 1/8		0.6771	8 1/8		0.84375	10 1/8
	0.015625	3/16		0.1823	2 3/16		0.3490	4 3/16		0.515625	6 3/16		0.6823	8 3/16		0.8490	10 3/16
	0.0208	1/4		0.1875	2 1/4		0.3542	4 1/4		0.5208	6 1/4		0.6875	8 1/4		0.8542	10 1/4
1/32	0.0260	5/16	1 3/64	0.1927	2 5/16	2 3/64	0.359375	4 5/16	1 7/32	0.5260	6 5/16	4 5/64	0.6927	8 5/16	5 5/64	0.859375	10 5/16
	0.03125	3/8		0.1979	2 3/8		0.3646	4 3/8		0.53125	6 3/8		0.6979	8 3/8		0.8646	10 3/8
	0.0365	7/16		0.203125	2 7/16		0.3698	4 7/16		0.5365	6 7/16		0.703125	8 7/16		0.8698	10 7/16
	0.0417	1/2		0.2083	2 1/2		0.3750	4 1/2		0.5417	6 1/2		0.7083	8 1/2		0.8750	10 1/2
3/64	0.046875	9/16	1 5/32	0.2135	2 9/16	2 5/64	0.3802	4 9/16	5 5/64	0.546875	6 9/16	2 3/32	0.7135	8 9/16	5 7/64	0.8802	10 9/16
	0.0521	5/8		0.21875	2 5/8		0.3854	4 5/8		0.5521	6 5/8		0.71875	8 5/8		0.8854	10 5/8
	0.0573	1 1/16		0.2240	2 1 1/16		0.390625	4 1 1/16		0.5573	6 1 1/16		0.7240	8 1 1/16		0.890625	10 1 1/16
	0.0625	3/4		0.2292	2 3/4		0.3958	4 3/4		0.5625	6 3/4		0.7292	8 3/4		0.8958	10 3/4
1/16	0.0677	1 3/16	1 5/64	0.234375	2 1 3/16	1 13/32	0.4010	4 1 3/16	9 1/16	0.5677	6 1 3/16	4 7/64	0.734375	8 1 3/16	2 9/32	0.9010	10 1 3/16
	0.0729	7/8		0.2396	2 7/8		0.40625	4 7/8		0.5729	6 7/8		0.7396	8 7/8		0.90625	10 7/8
	0.078125	1 1/8		0.2448	2 1 1/8		0.4115	4 1 1/8		0.578125	6 1 1/8		0.7448	8 1 1/8		0.9115	10 1 1/8
	0.0833	1		0.2500	3		0.4167	5		0.5833	7		0.7500	9		0.9167	11
3/32	0.0885	1 1/16	1 7/64	0.2552	3 1/16	2 7/64	0.421875	5 1/16	1 9/32	0.5885	7 1/16	4 9/64	0.7552	9 1/16	5 9/64	0.921875	11 1/16
	0.09375	1 1/8		0.2604	3 1/8		0.4271	5 1/8		0.59375	7 1/8		0.7604	9 1/8		0.9271	11 1/8
	0.0990	1 3/16		0.265625	3 3/16		0.4323	5 3/16		0.5990	7 3/16		0.765625	9 3/16		0.9323	11 3/16
	0.1042	1 1/4		0.2708	3 1/4		0.4375	5 1/4		0.6042	7 1/4		0.7708	9 1/4		0.9375	11 1/4
7/64	0.109375	1 5/16	9 5/32	0.2760	3 5/16	2 9/64	0.4427	5 5/16	3 9/64	0.609375	7 5/16	2 5/32	0.7760	9 5/16	6 1/64	0.9427	11 5/16
	0.1146	1 3/8		0.28125	3 3/8		0.4479	5 3/8		0.6146	7 3/8		0.78125	9 3/8		0.9479	11 3/8
	0.1198	1 7/16		0.2865	3 7/16		0.453125	5 7/16		0.6198	7 7/16		0.7865	9 7/16		0.953125	11 7/16
	0.1250	1 1/2		0.2917	3 1/2		0.4583	5 1/2		0.6250	7 1/2		0.7917	9 1/2		0.9583	11 1/2
1/8	0.1302	1 9/16	1 9/64	0.296875	3 9/16	1 19/32	0.4635	5 9/16	4 9/64	0.6302	7 9/16	5 9/64	0.796875	9 9/16	3 1/32	0.9635	11 9/16
	0.1354	1 5/8		0.3021	3 5/8		0.46875	5 5/8		0.6354	7 5/8		0.8021	9 5/8		0.96875	11 5/8
	0.140625	1 1 1/16		0.3073	3 1 1/16		0.4740	5 1 1/16		0.640625	7 1 1/16		0.8073	9 1 1/16		0.9740	11 1 1/16
	0.1458	1 3/4		0.3125	3 3/4		0.4792	5 3/4		0.6458	7 3/4		0.8125	9 3/4		0.9792	11 3/4
5/32	0.1510	1 13/16	2 1/64	0.3177	3 13/16	3 1/64	0.484375	5 13/16	2 1/32	0.6510	7 13/16	5 1/64	0.8177	9 13/16	6 1/64	0.984375	11 13/16
	0.15625	1 7/8		0.3229	3 7/8		0.4896	5 7/8		0.65625	7 7/8		0.8229	9 7/8		0.9896	11 7/8
	0.1615	1 15/16		0.328125	3 15/16		0.4948	5 15/16		0.6615	7 15/16		0.828125	9 15/16		0.9948	11 15/16
	0.1667	2		0.3333	4		0.5000	6		0.6667	8		0.8333	10		1.0000	12

A = Fractions of Inch or Foot

B = Inch Equivalents to Foot Fractions

DATE	REVISIONS
1-1-97	New Standard.

**DECIMAL OF AN INCH
AND OF A FOOT**

STANDARD 001006

Illinois Department of Transportation

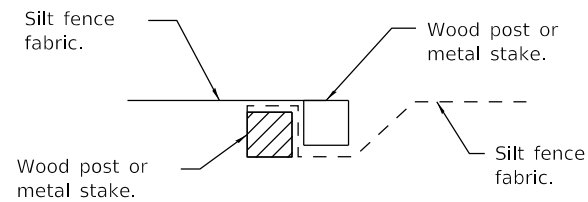
PASSED January 1, 1997

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 1997

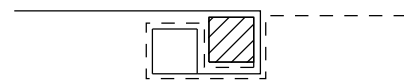
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ISSUED 1-1-97



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

STEP 1

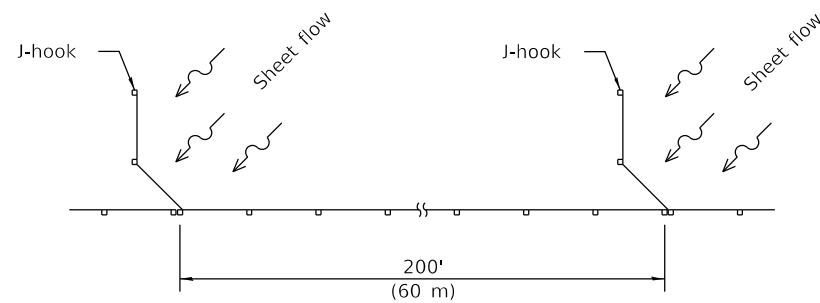


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

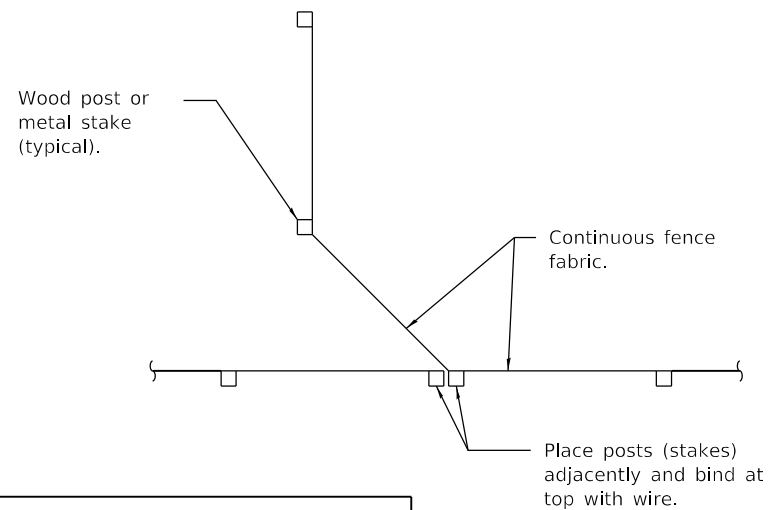
STEP 2

ATTACHING TWO SILT FILTER FENCES

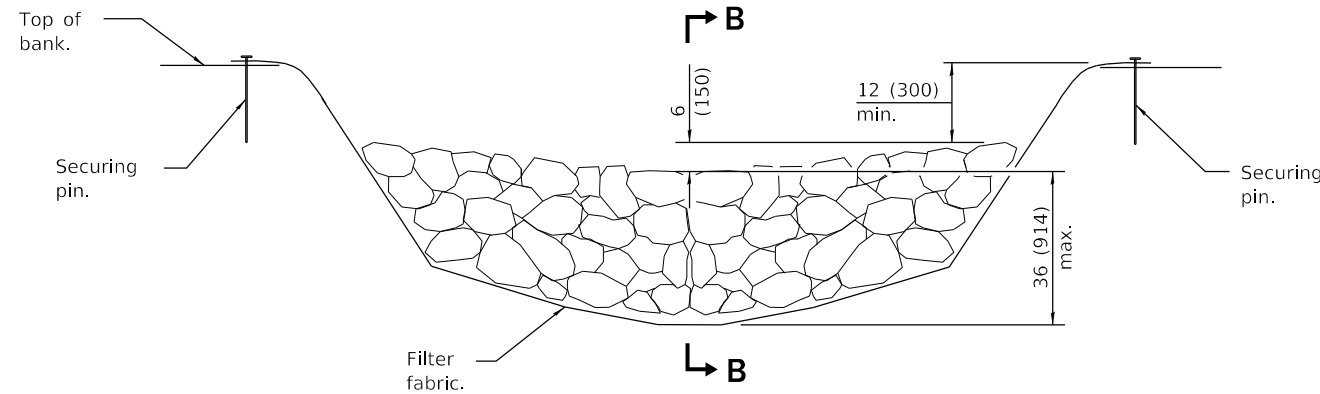
(Not applicable for J-hooks)



SILT FILTER J-HOOK PLACEMENT

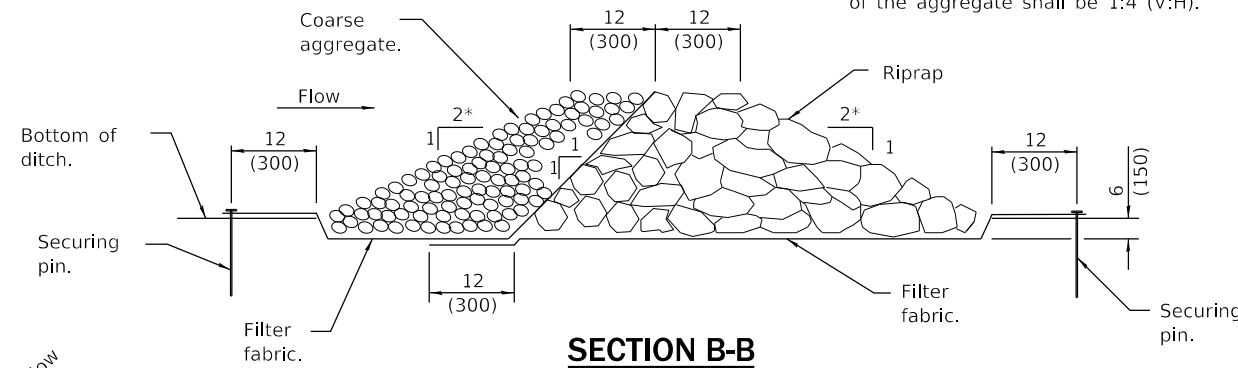


J-HOOK



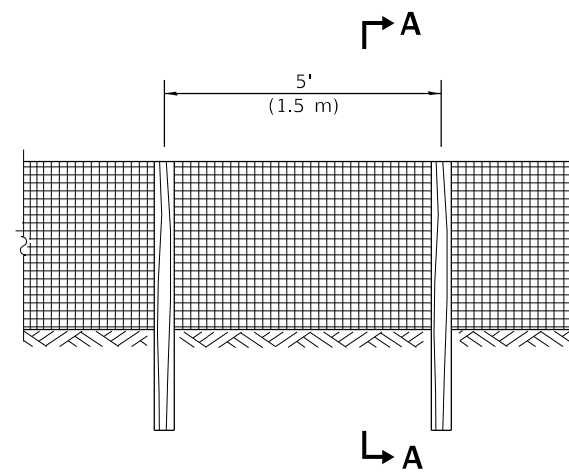
ELEVATION

* When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).



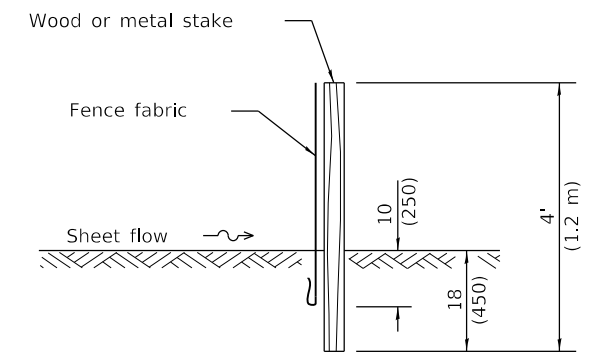
SECTION B-B

AGGREGATE DITCH CHECK

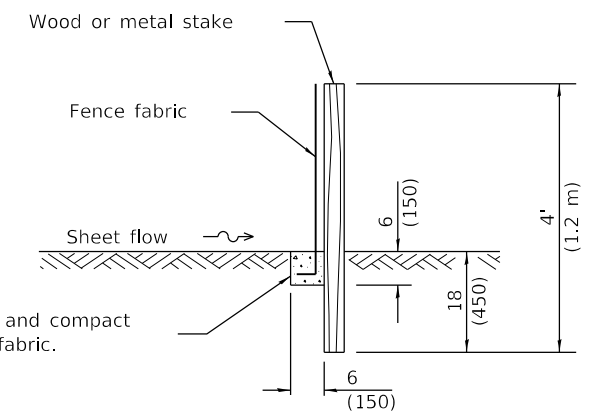


ELEVATION

SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



TRENCH METHOD

SECTION A-A

Excavate, backfill and compact trench to secure fabric.

GENERAL NOTES

The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

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

Illinois Department of Transportation

PASSED January 1, 2013
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2013
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

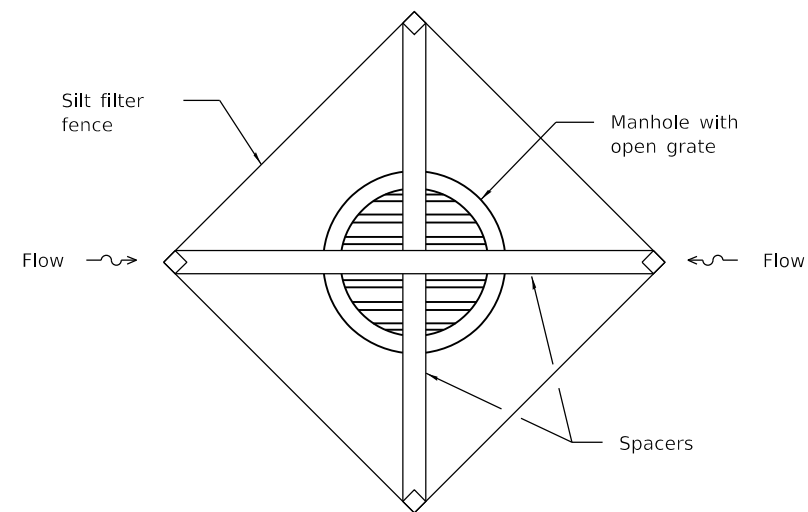
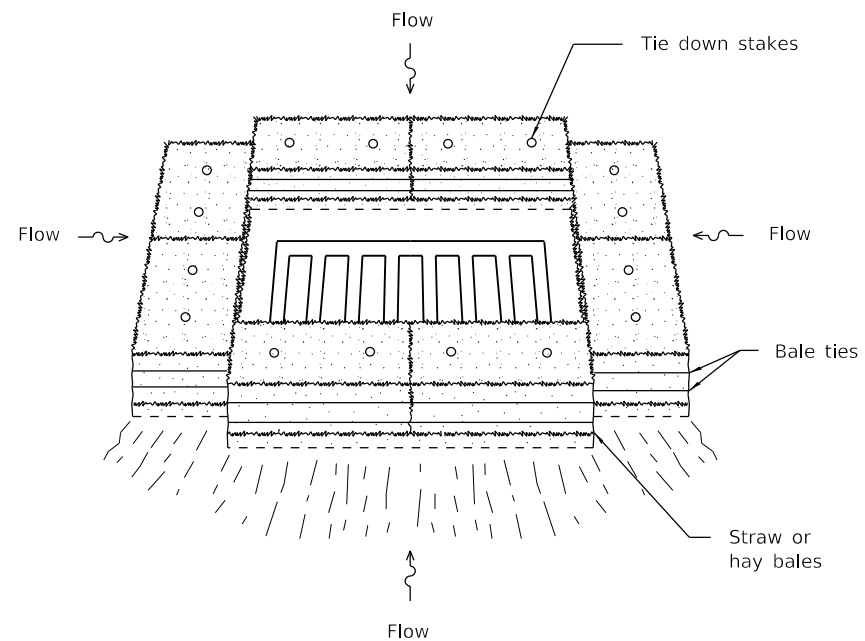
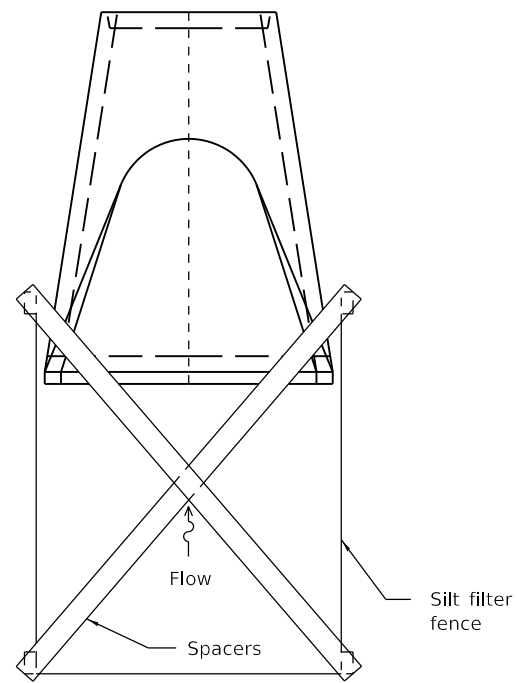
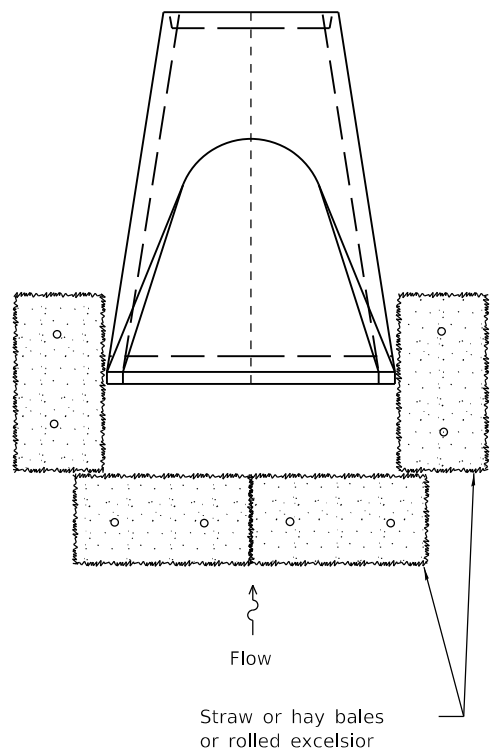
ISSUED 1-1-97

DATE	REVISIONS
1-1-13	Corrected notation for flowline (f _l) on SEDIMENT BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter barrier. Added SLICE METHOD to SECTION A-A.

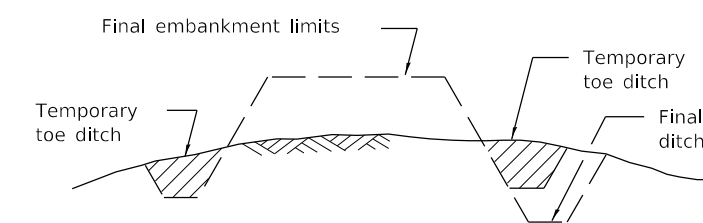
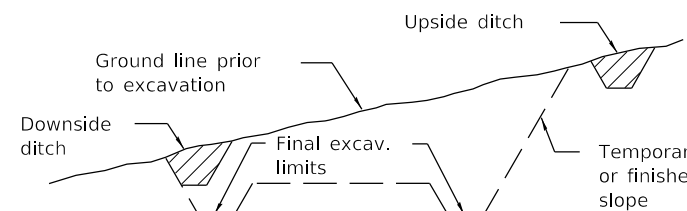
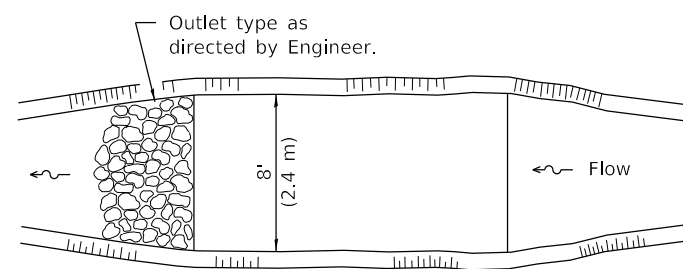
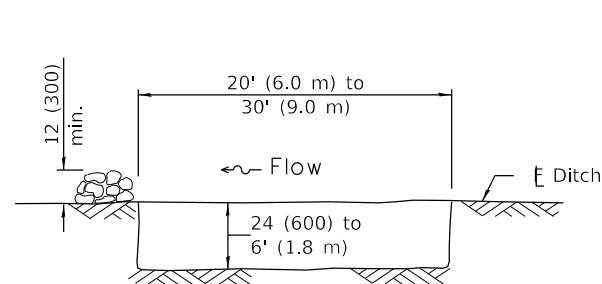
TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 1 of 2)

STANDARD 280001-07



INLET AND PIPE PROTECTION



TYPICAL CUT CROSS-SECTION

TYPICAL FILL CROSS-SECTION

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

The performance of the basin will improve if put into a series.

The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

ELEVATION

PLAN

SEDIMENT BASIN

Illinois Department of Transportation

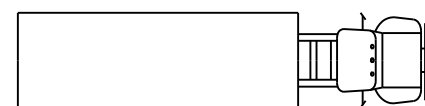
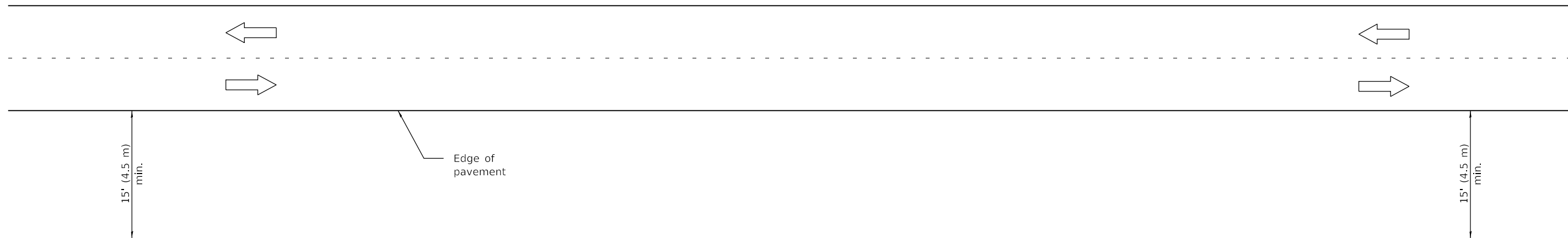
PASSED January 1, 2013
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2013
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

TEMPORARY EROSION CONTROL SYSTEMS
 (Sheet 2 of 2)

STANDARD 280001-07



TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Fencing contracts and maintenance
- Cleaning culverts

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 701006.

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

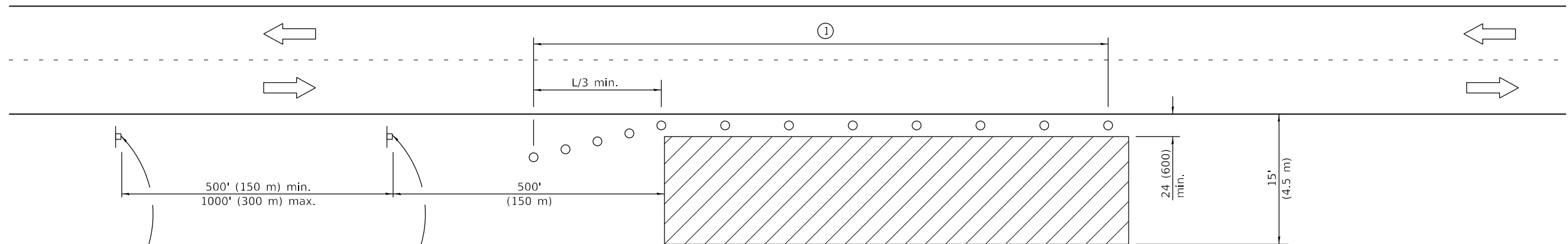
DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-05	Revised title and notes.

**OFF-RD OPERATIONS,
2L, 2W, MORE THAN
15' (4.5 m) AWAY**

STANDARD 701001-02

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

ISSUED 1-1-97



For contract construction projects

ROAD CONSTRUCTION AHEAD

W20-1103(0)-48

ROAD WORK AHEAD

W21-1(0)-48

For maintenance and utility projects

ROAD WORK AHEAD

W20-1(0)-48

500' (150 m) min.
1000' (300 m) max.

500' (150 m)

L/3 min.

24 (600) min.

15' (4.5 m)

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

OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701006-05

Illinois Department of Transportation

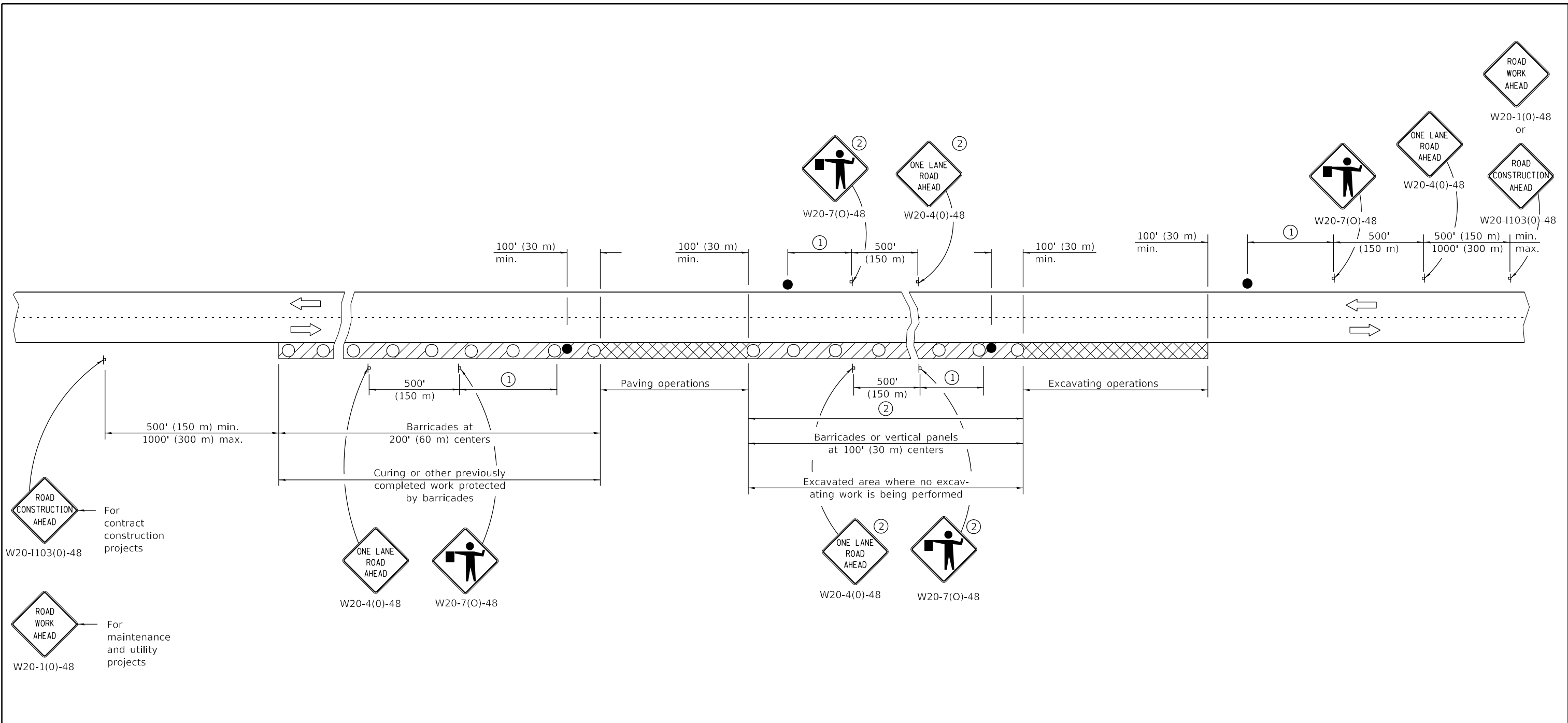
PASSED January 1, 2014

 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2014

 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



ROAD CONSTRUCTION AHEAD
W20-1103(0)-48
For contract construction projects

ROAD WORK AHEAD
W20-1(0)-48
For maintenance and utility projects

ONE LANE ROAD AHEAD
W20-4(0)-48

ROAD WORK AHEAD
W20-7(0)-48

ONE LANE ROAD AHEAD
W20-4(0)-48

ROAD WORK AHEAD
W20-7(0)-48

ROAD WORK AHEAD
W20-1(0)-48 or

ONE LANE ROAD AHEAD
W20-4(0)-48

ROAD CONSTRUCTION AHEAD
W20-1103(0)-48

SYMBOLS

- Work area
- Active Work area
- Sign
- Barricade, drum, or vertical panels
- Flagger with traffic control sign

- ① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but in no case to exceed the length of ½ day's normal operation or 2 miles (3200 m) whichever is less.
- ② Signs are not required if distance between work operations is less than 2000' (600 m) unless restricted sight distance exists.

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities will encroach on the pavement during widening operations.

Two flaggers are required for each separate operation.

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

Illinois Department of Transportation

PASSED January 1, 2011
[Signature]
ENGINEER OF SAFETY ENGINEERING

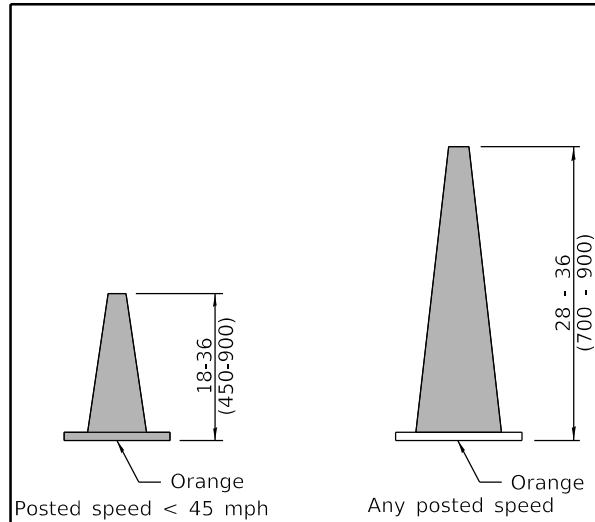
APPROVED January 1, 2011
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

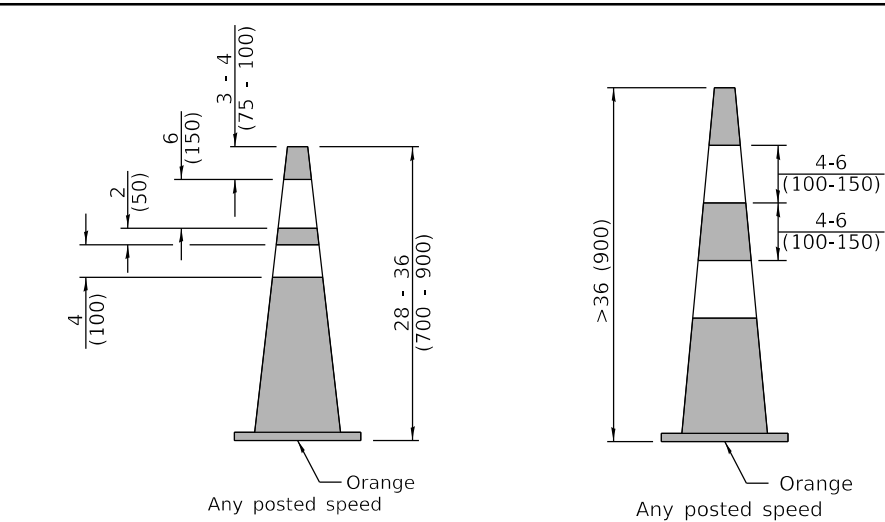
DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).
	Corrected sign No.'s.

LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH

STANDARD 701326-04

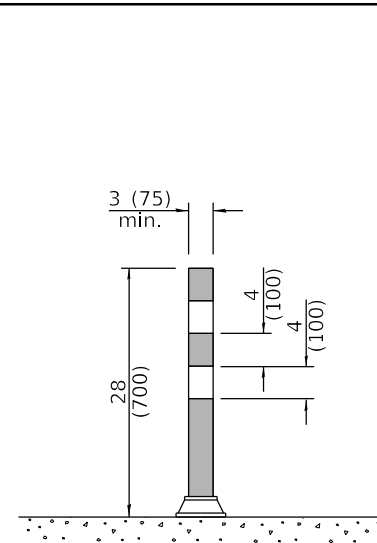


DAYTIME USE

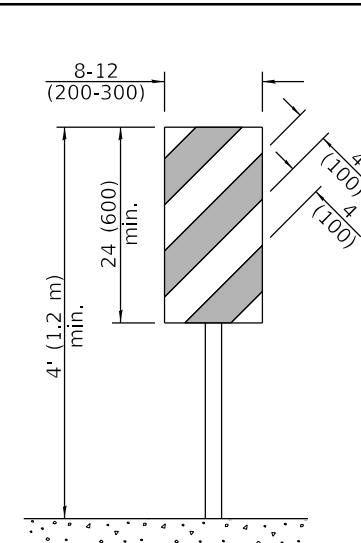


DAY OR NIGHTTIME USE

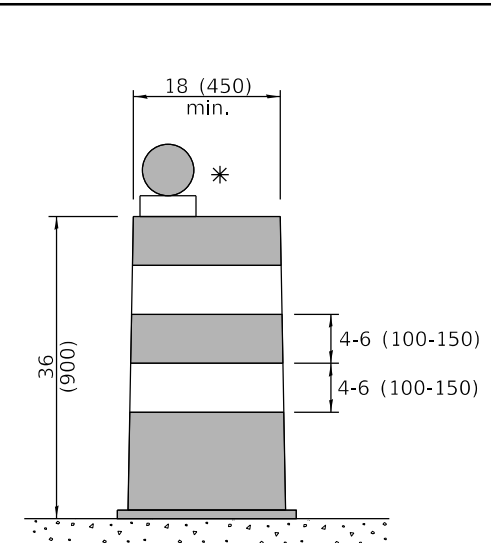
CONES



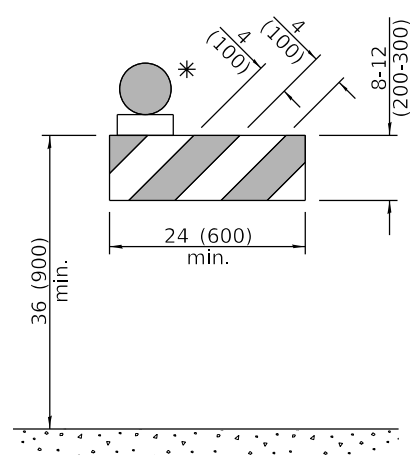
TUBULAR MARKER



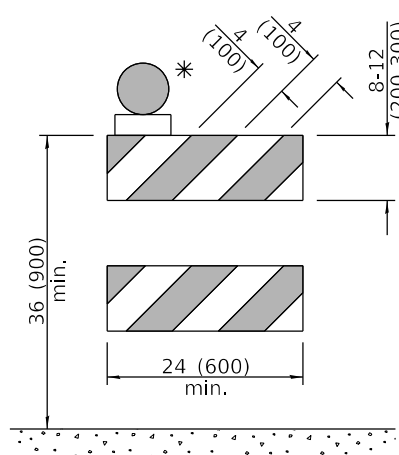
**VERTICAL PANEL
POST MOUNTED**



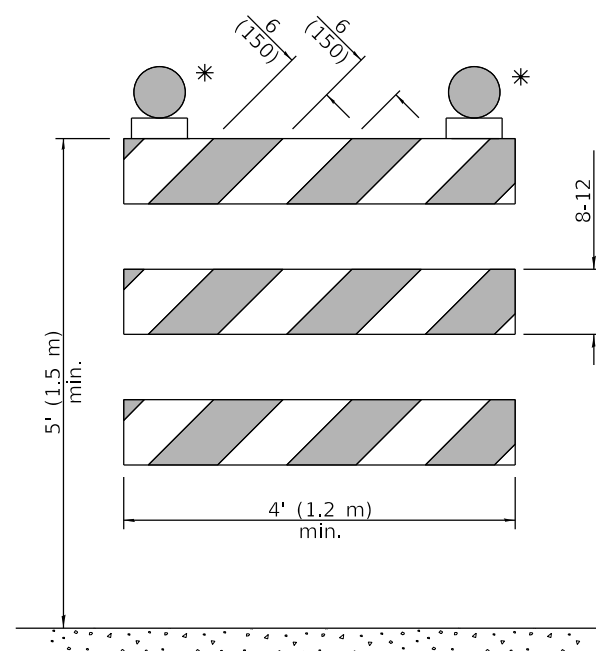
DRUM



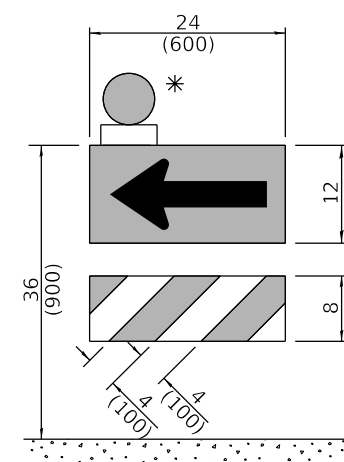
TYPE I BARRICADE



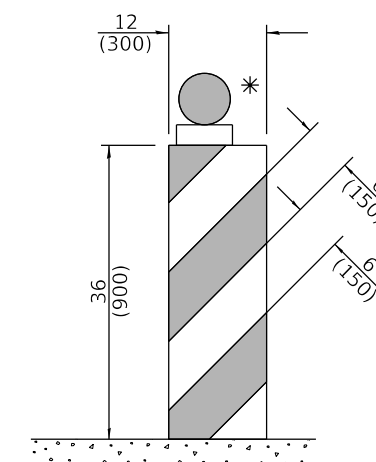
TYPE II BARRICADE



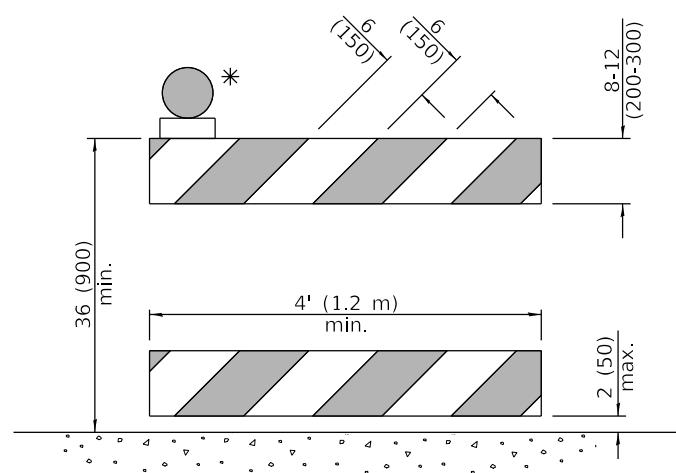
TYPE III BARRICADE



**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.

DATE	REVISIONS
1-1-19	Revised cone usage and added cones >36" (900 mm) height.
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

STANDARD 701901-08

Illinois Department of Transportation

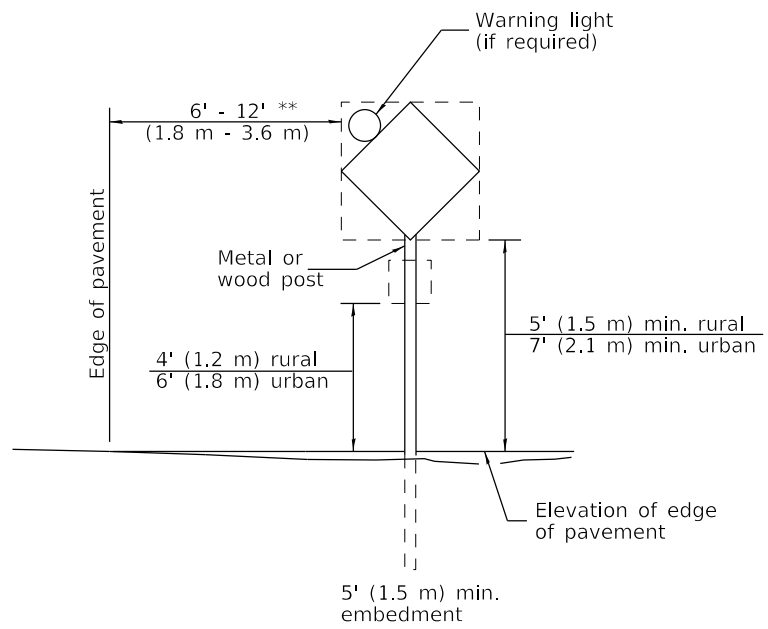
APPROVED January 1, 2019

 ENGINEER OF SAFETY PROG. AND ENGINEERING

APPROVED January 1, 2019

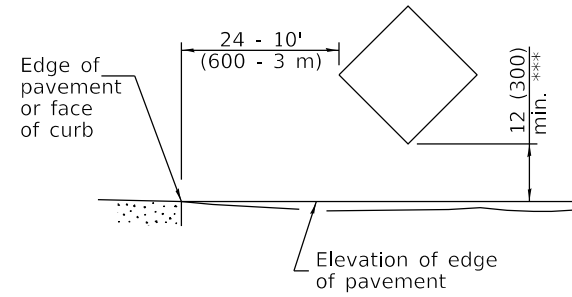
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED
 ET-1-1



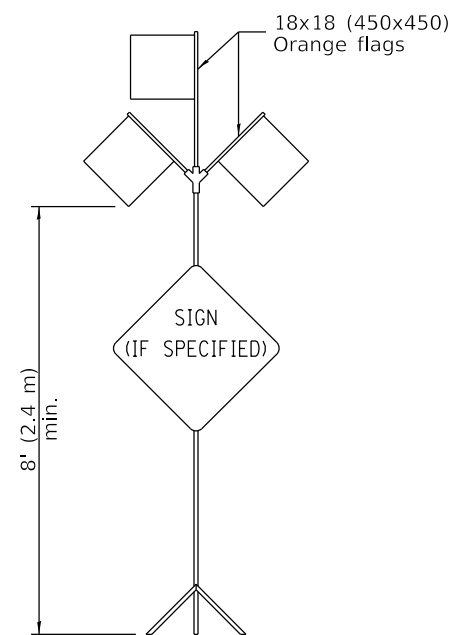
POST MOUNTED SIGNS

** 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.

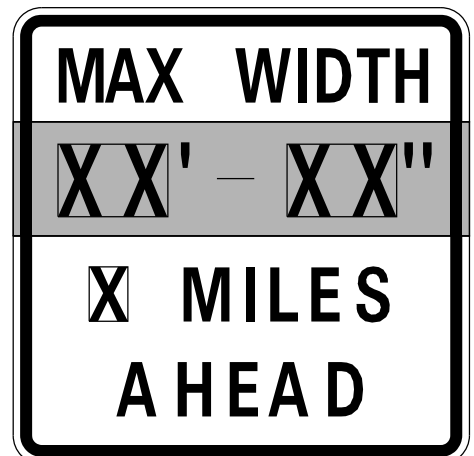


SIGNS ON TEMPORARY SUPPORTS

*** 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.



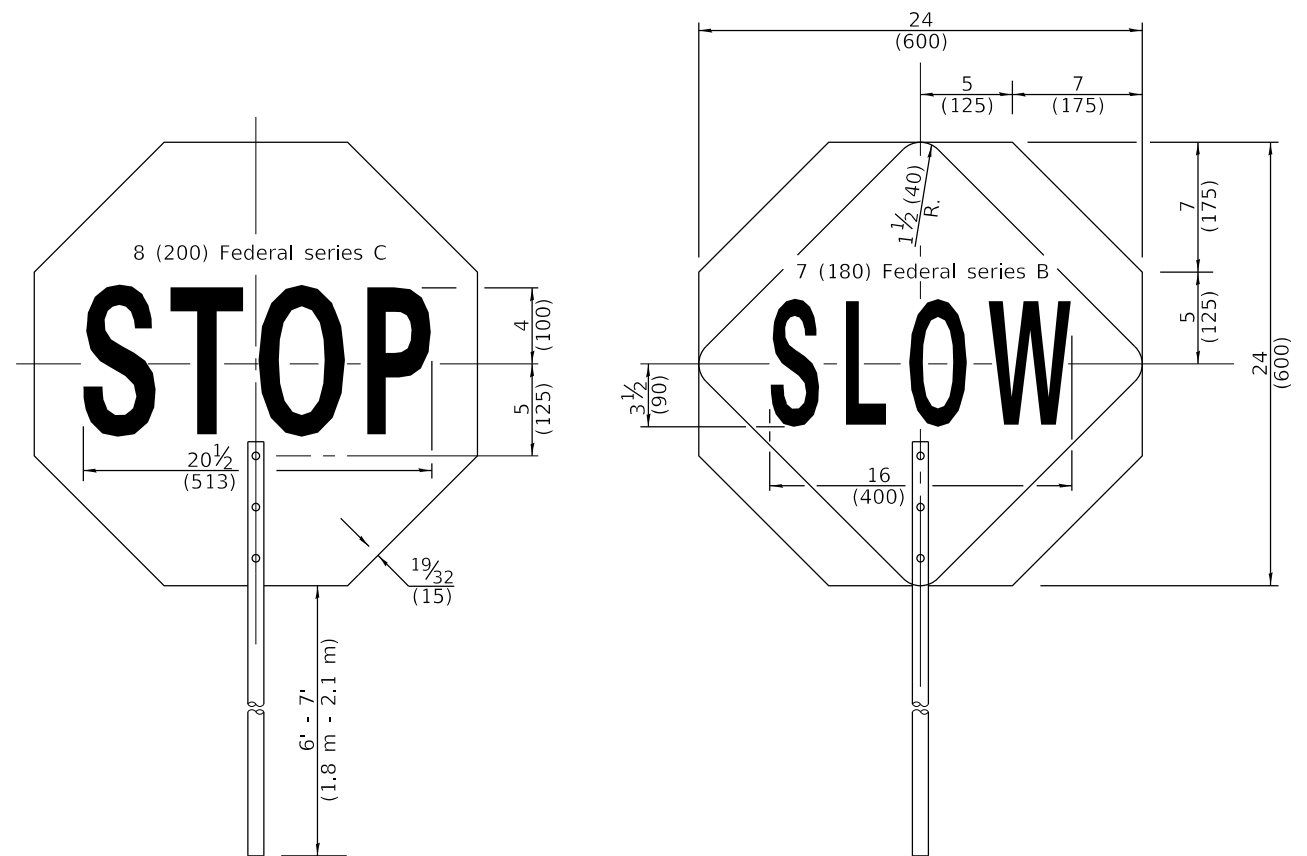
HIGH LEVEL WARNING DEVICE



W12-I103-4848

WIDTH RESTRICTION SIGN

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



FRONT SIDE

REVERSE SIDE

FLAGGER TRAFFIC CONTROL SIGN

ROAD CONSTRUCTION NEXT X MILES	END CONSTRUCTION
G20-I104(0)-6036	G20-I105(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 XX	R2-1-3648
PHOTO ENFORCED	R10-I108p-3618 ****
\$XXX FINE MINIMUM	R2-I106p-3618

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

END WORK ZONE SPEED LIMIT	G20-I103-6036
---------------------------	---------------

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

HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-I108p shall only be used along roadways under the jurisdiction of the State.

Illinois Department of Transportation

APPROVED January 1, 2019
Cynthia Watt
 ENGINEER OF SAFETY PROG. AND ENGINEERING

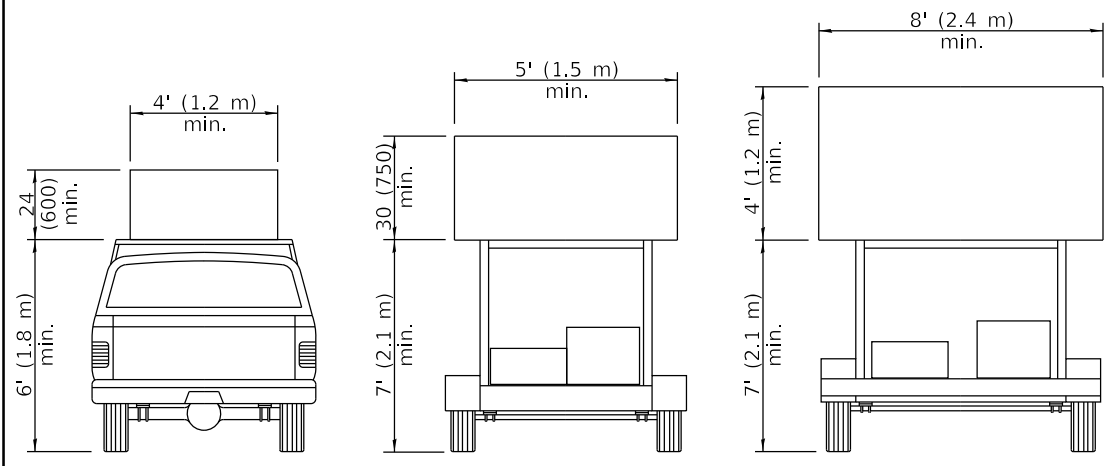
APPROVED January 1, 2019
J. E. ...
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-13

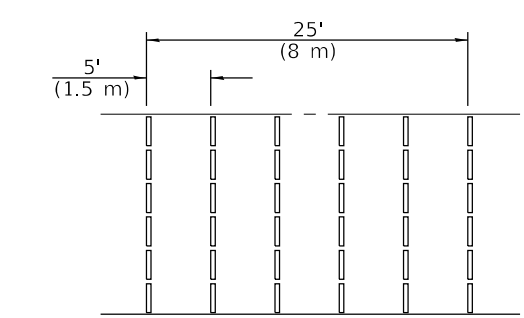
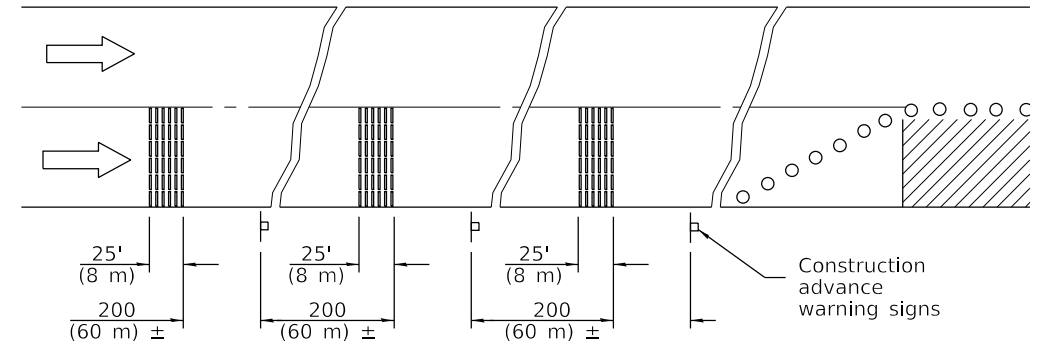
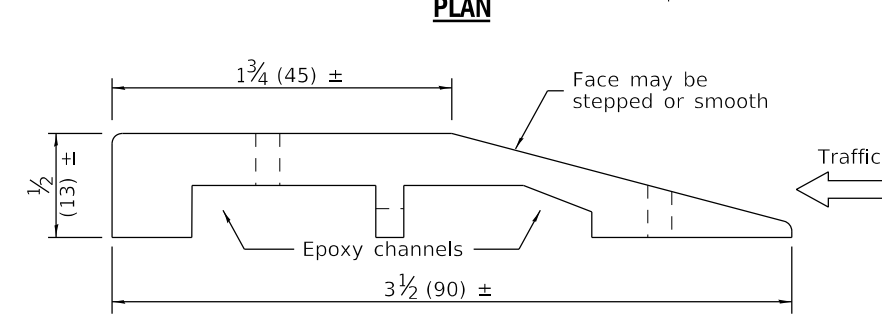
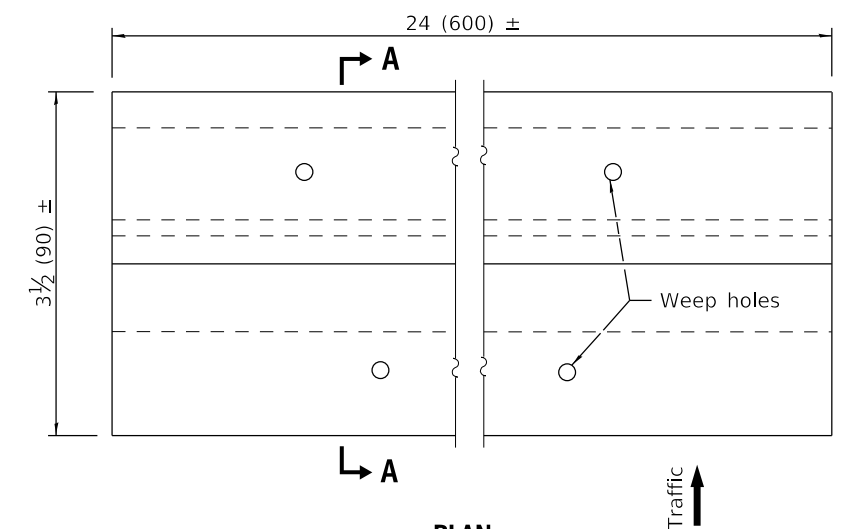
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

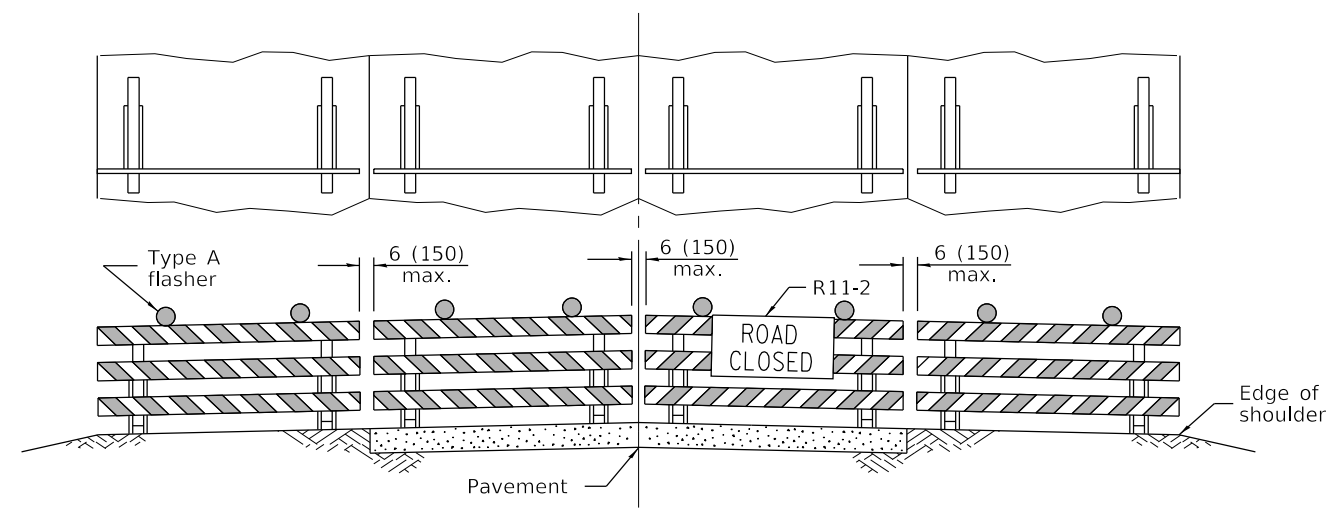
STANDARD 701901-08



ARROW BOARDS

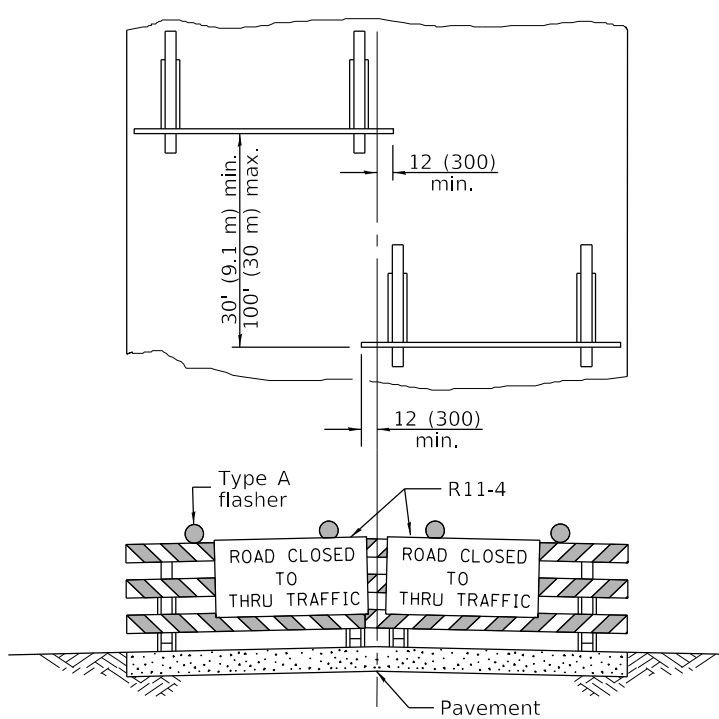


TEMPORARY RUMBLE STRIPS



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.



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.

TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-08

Illinois Department of Transportation

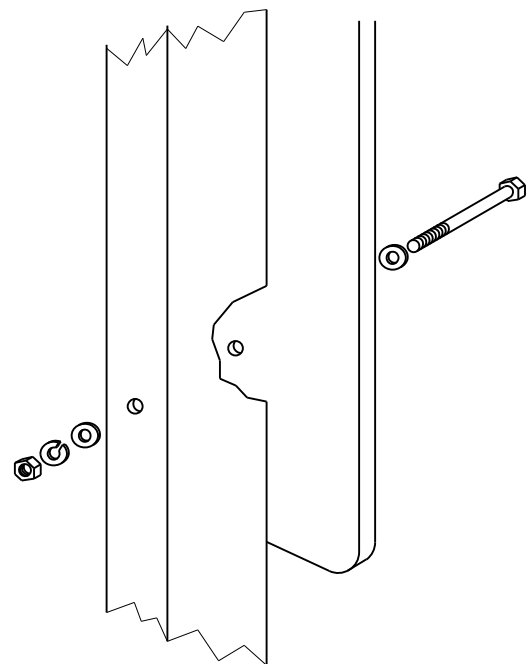
APPROVED January 1, 2019

Cynthia Watt
ENGINEER OF SAFETY PROG. AND ENGINEERING

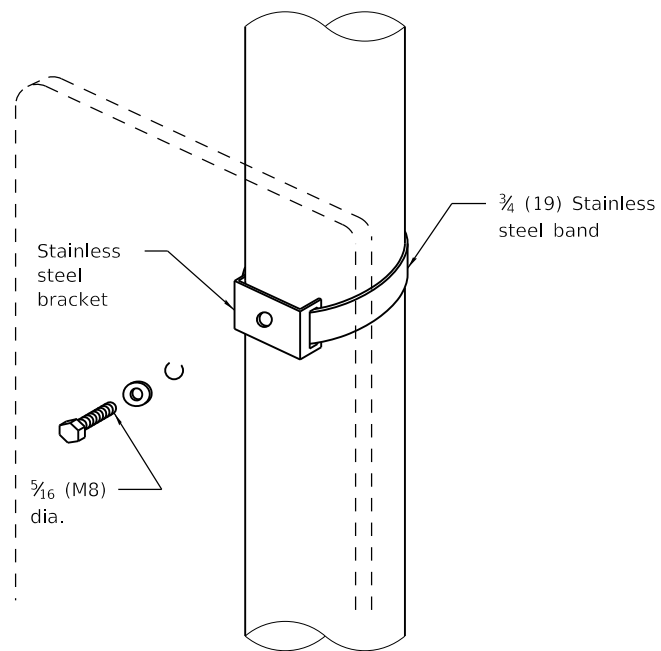
APPROVED January 1, 2019

Joe E. ...
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUES: E1-1-1 Q3581

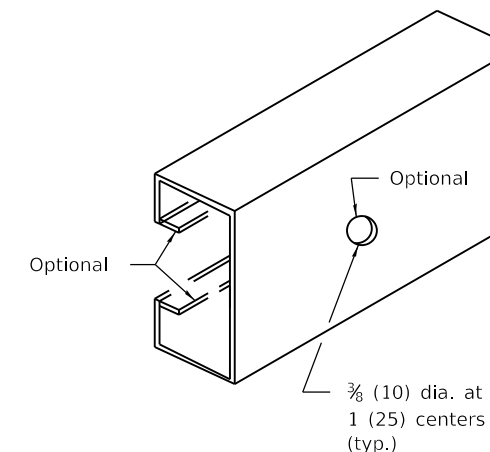
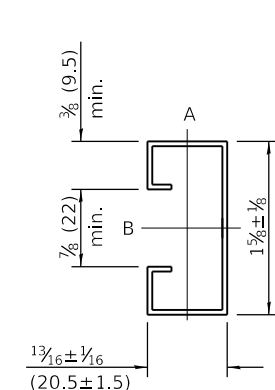


Sign panel 36 (900) wide or less

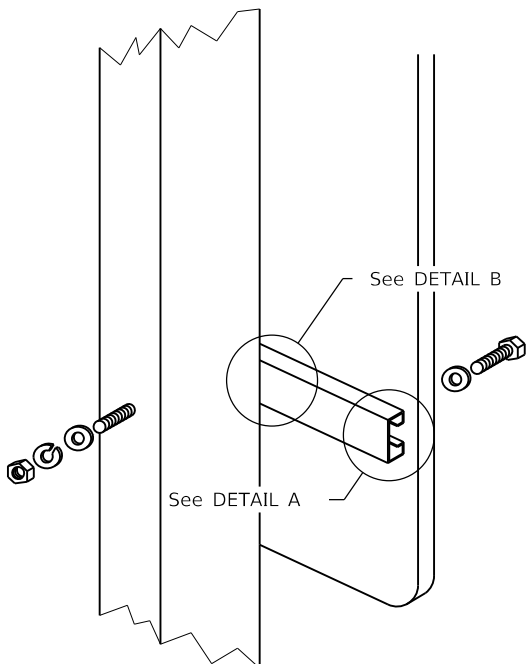


Sign panel 36 (900) wide or less

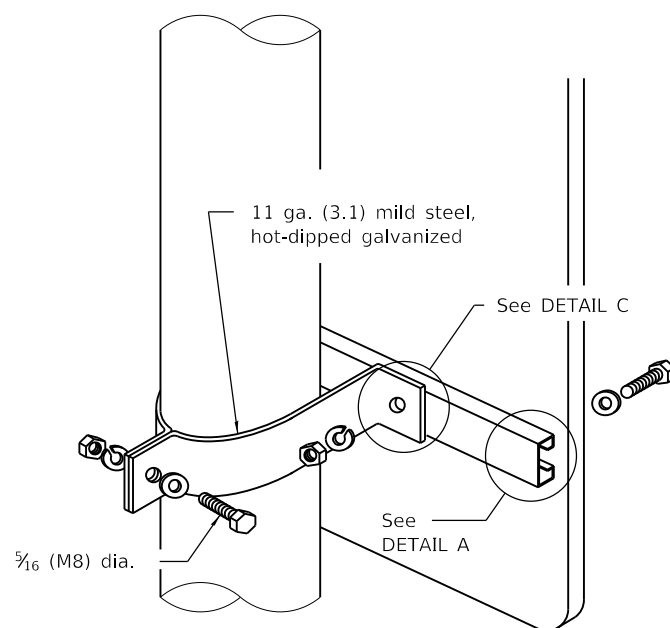
Section modulus (minimum)	Axis A	Axis B
Steel	0.050 in. ³ (819 mm ³)	0.105 in. ³ (1720 mm ³)
Aluminum	0.150 in. ³ (2458 mm ³)	0.315 in. ³ (5162 mm ³)



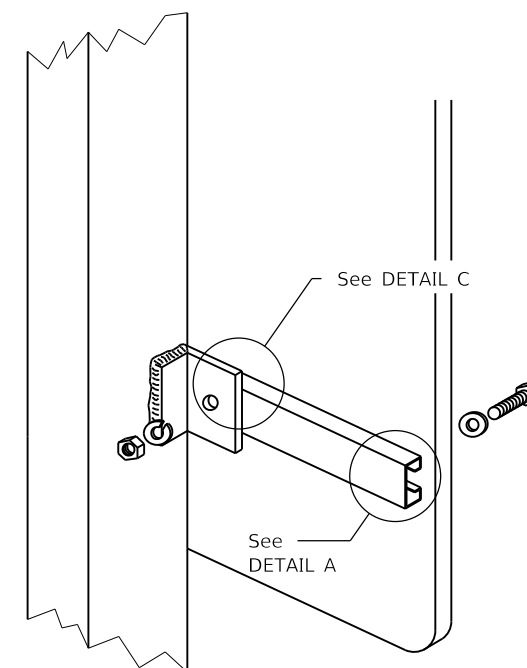
SUPPORTING CHANNEL DETAILS



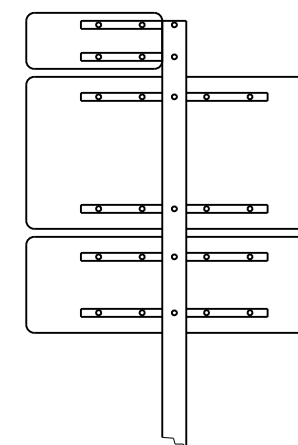
Sign panel over 36 (900) wide



Sign panel over 36 (900) wide



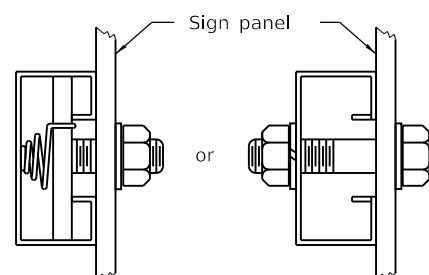
ROUTE MARKER ASSEMBLY



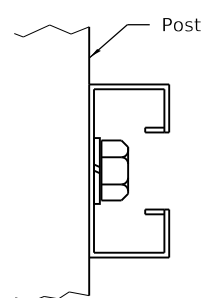
WOOD OR TELESCOPING STEEL POSTS

LIGHT OR SIGNAL STANDARDS

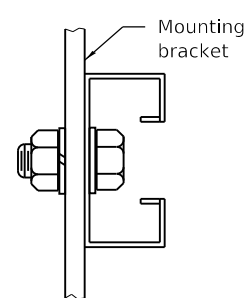
BREAKAWAY STEEL TUBING POSTS
(All sign panel sizes)



DETAIL A



DETAIL B



DETAIL C

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

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-97	Renum. Standard 2319-6.

SIGN PANEL MOUNTING DETAILS

STANDARD 720001-01

Illinois Department of Transportation

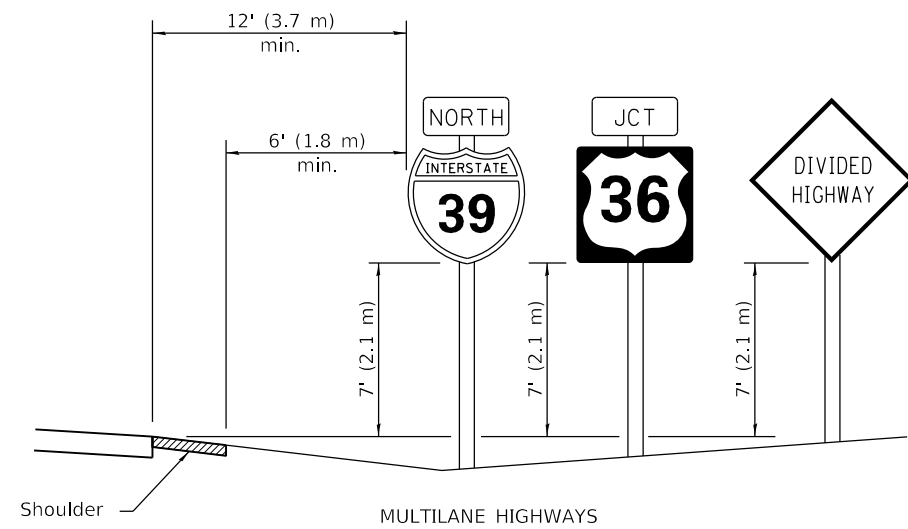
PASSED January 1, 2009

ENGINEER OF OPERATIONS

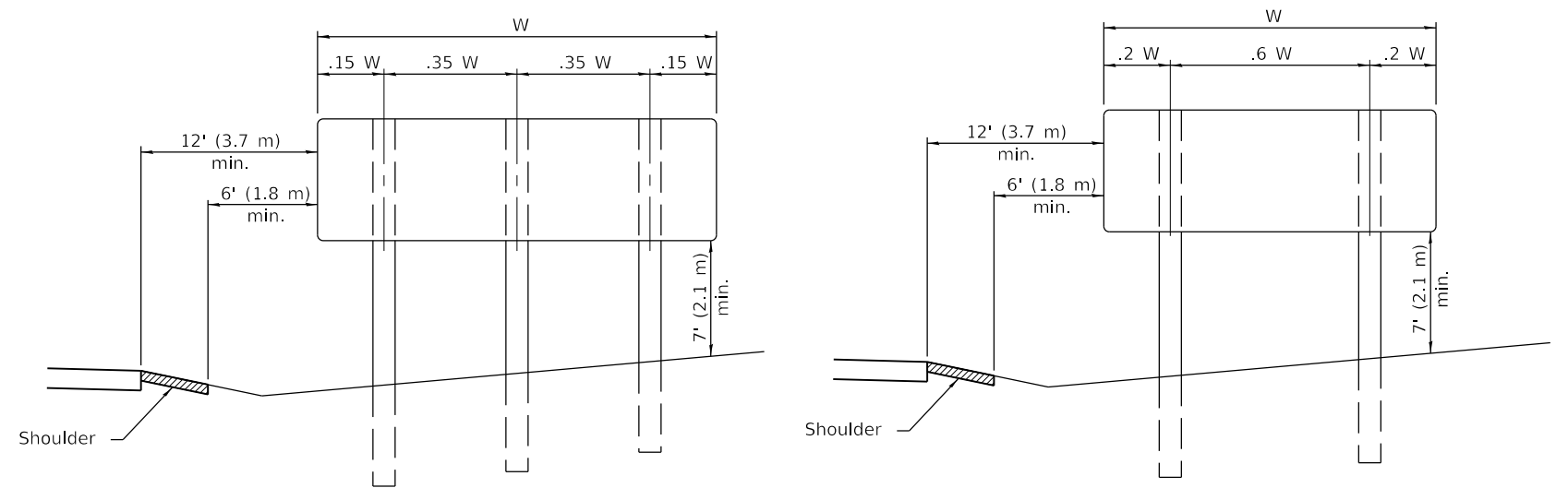
APPROVED January 1, 2009

ENGINEER OF DESIGN AND ENVIRONMENT

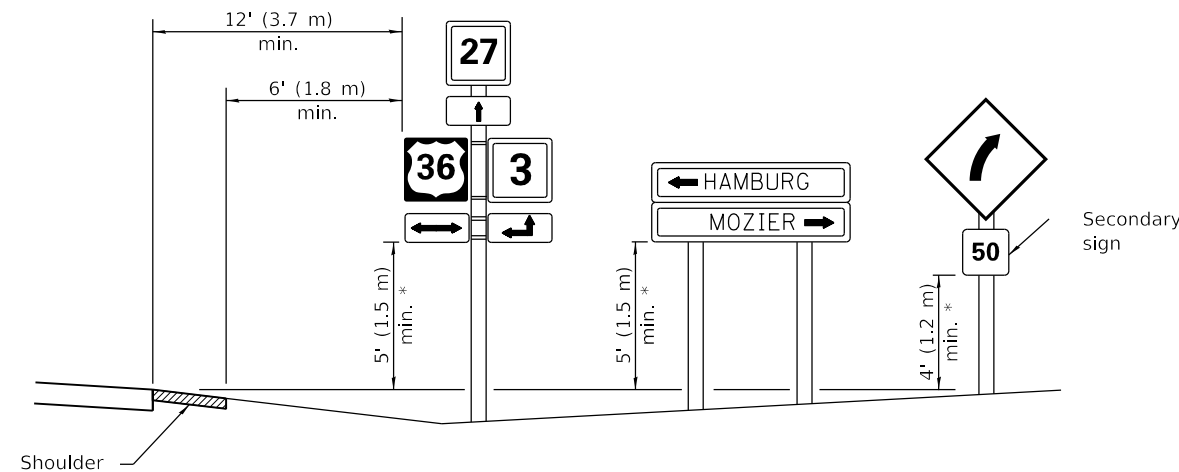
ISSUED 1-1-97



MULTILANE HIGHWAYS

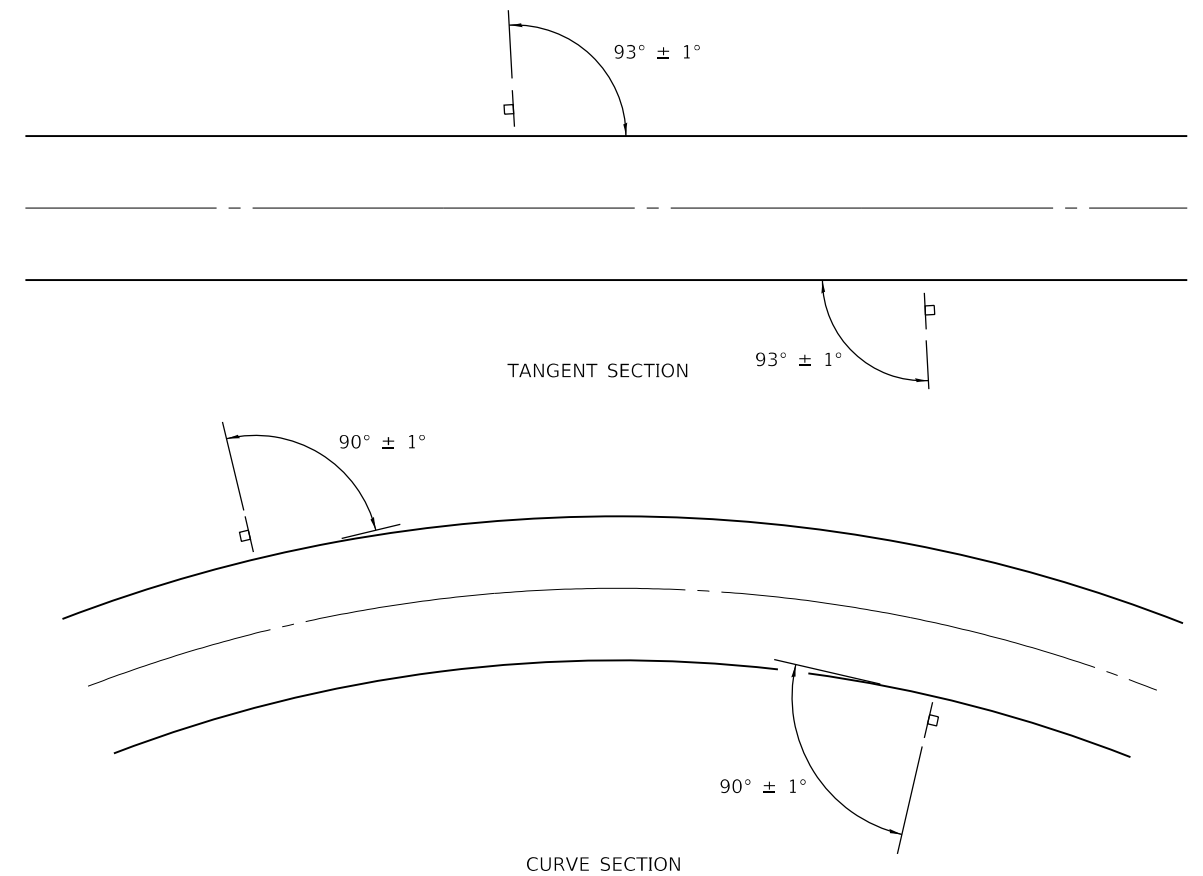


POST SPACING FOR NON-FREEWAY SIGN PANELS

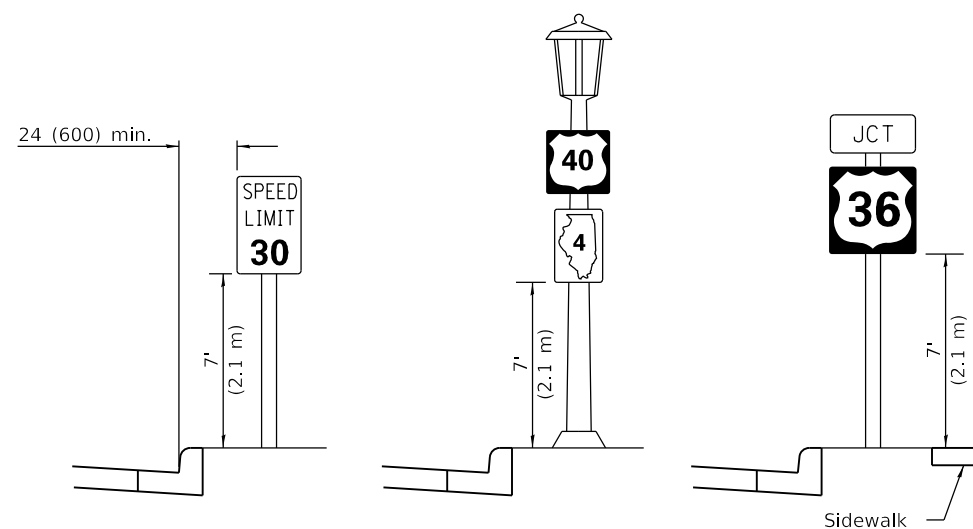


* In any area where parking is likely to occur or where there are obstructions to view or where signs are located over sidewalks, the height shall be at least 7' (2.1 m).

TWO LANE RURAL HIGHWAYS



GROUND MOUNT SIGN POSITIONING



URBAN LOCATIONS

TYPICAL INSTALLATIONS

Signs in any area shall be erected to a uniform height above the edge of the pavement.

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

Illinois Department of Transportation

PASSED January 1, 2014
Justin Mann
 ENGINEER OF OPERATIONS

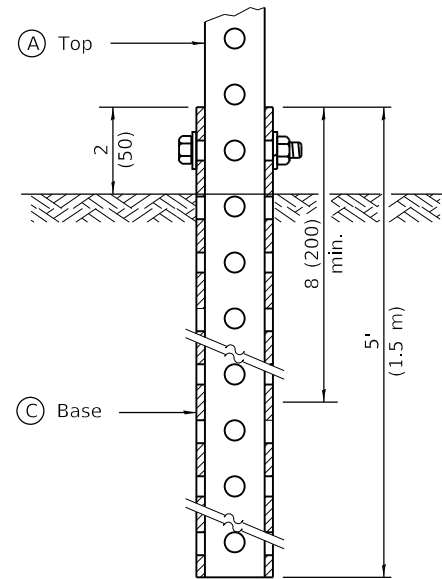
APPROVED January 1, 2014
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

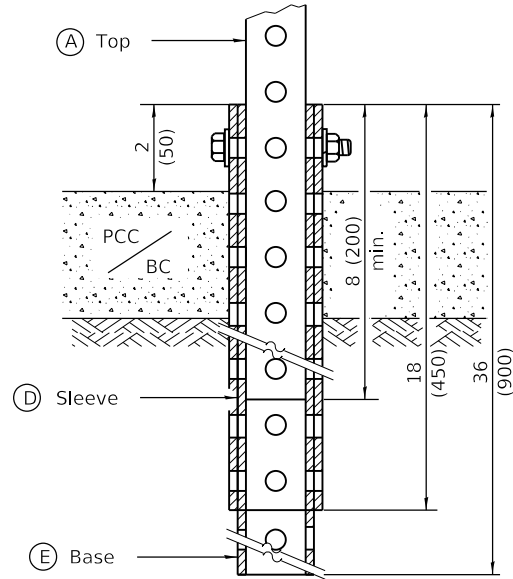
DATE	REVISIONS
1-1-14	Added shoulders and slopes.
	Changed sign distances from roadway and shoulder.
1-1-12	Rev. sign elev. for multilane hwy's. Revised sign elev. and dist. to curb for rural loc.

SIGN PANEL ERECTION DETAILS

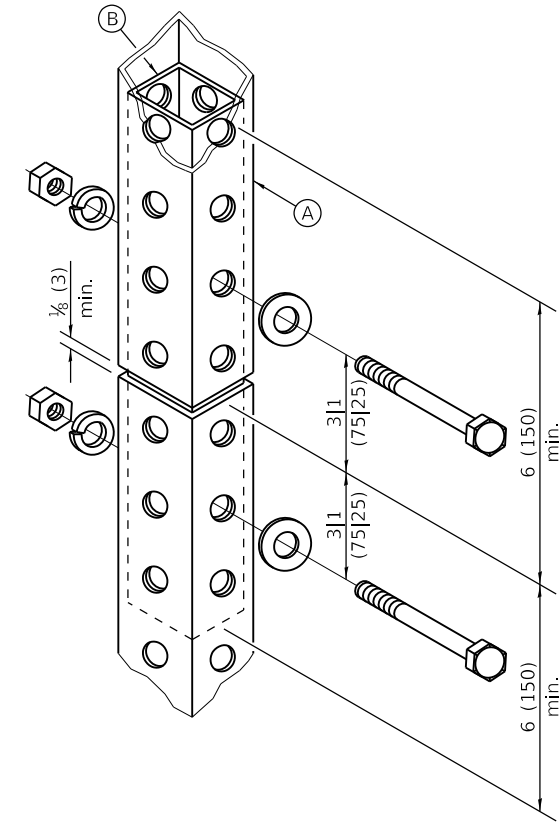
STANDARD 720006-04



GROUND MOUNT DETAIL



PAVEMENT MOUNT DETAIL



SPLICE DETAIL

(A)	2 x 2 x var. (51 x 51 var.)
(B)	1 3/4 x 1 3/4 x 12 (44 x 44 x 300)
(C)	2 1/4 x 2 1/4 x 60 (57 x 57 x 1500)
(D)	2 1/2 x 2 1/2 x 18 (64 x 64 x 450)
(E)	2 1/4 x 2 1/4 x 36 (57 x 57 x 900)

GENERAL NOTES

All bolts 3/8" (M10) hex head zinc or cadmium plated.

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

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	New Standard. Used to be part of Standard 720006.

TELESCOPING STEEL SIGN SUPPORT

STANDARD 728001-01

Illinois Department of Transportation

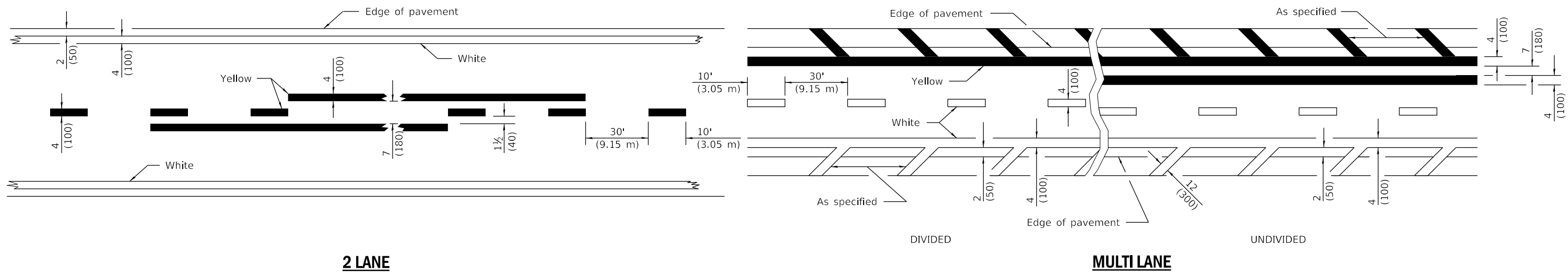
PASSED January 1, 2009

ENGINEER OF OPERATIONS

APPROVED January 1, 2009

ENGINEER OF DESIGN AND ENVIRONMENT

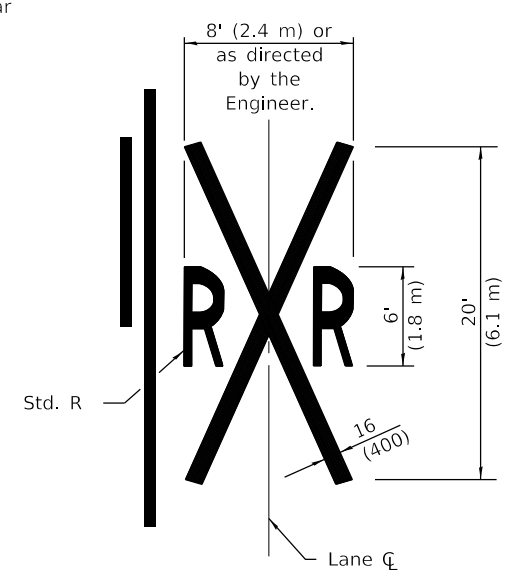
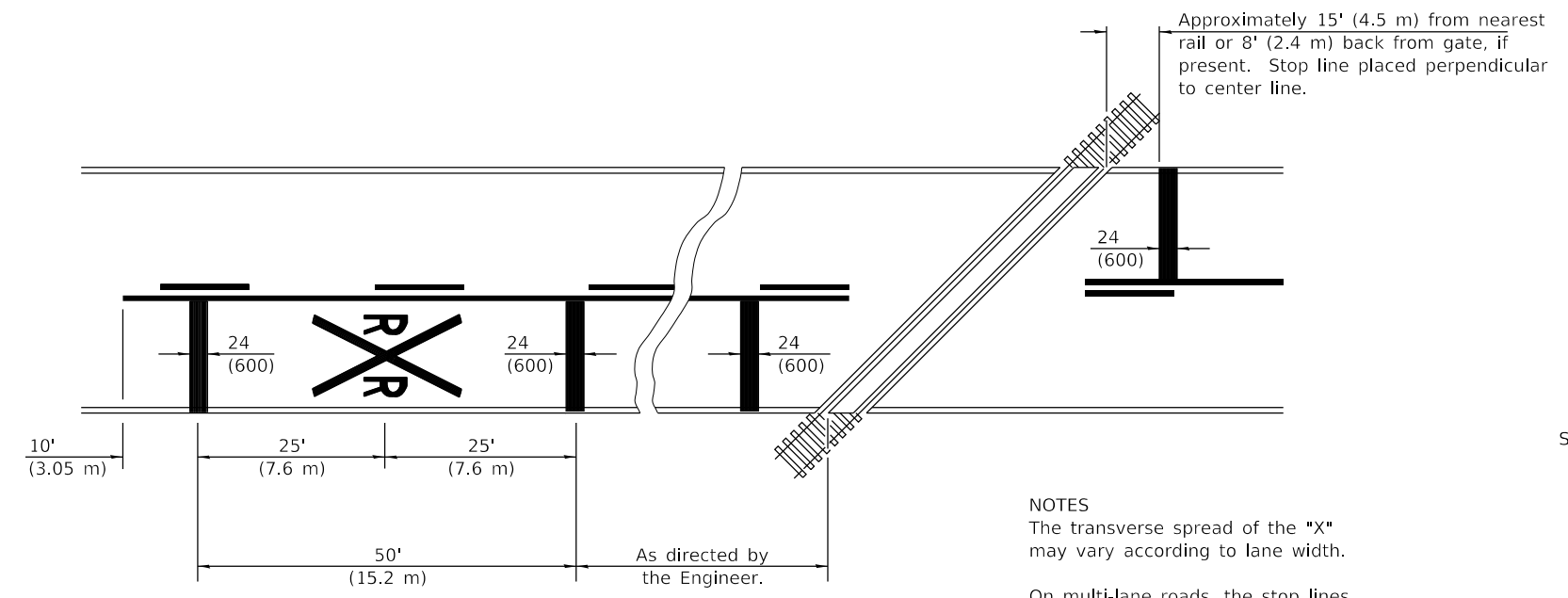
ISSUED 1-1-07



2 LANE

MULTI LANE

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

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

Illinois Department of Transportation

PASSED January 1, 2015
 Amy Allen
 ENGINEER OF OPERATIONS

APPROVED January 1, 2015
 ENGINEER OF DESIGN AND ENVIRONMENT

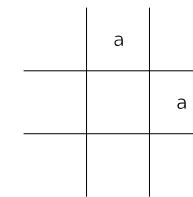
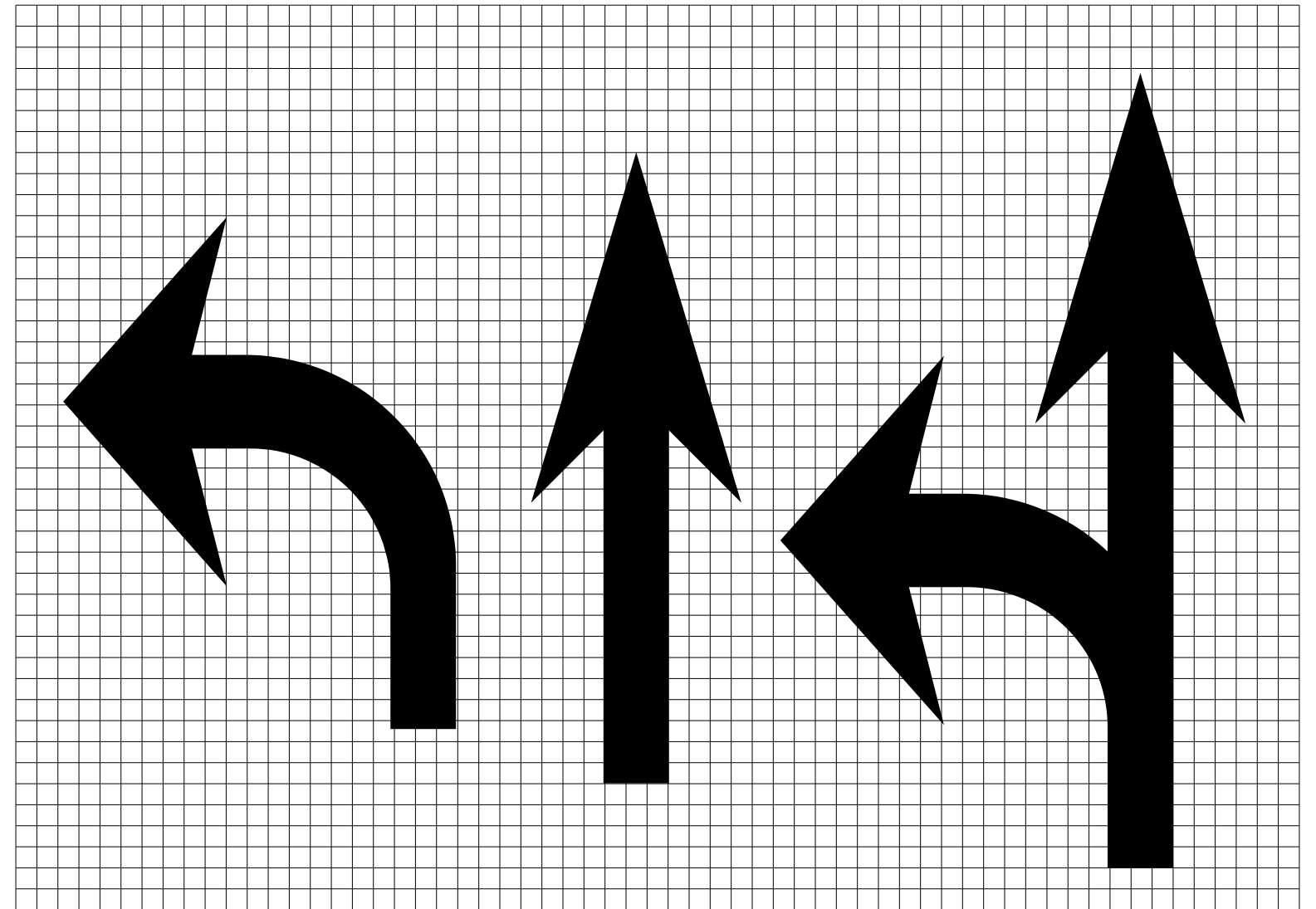
ISSUED 1-1-97

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'.

TYPICAL PAVEMENT MARKINGS

(Sheet 1 of 3)


STANDARD 780001-05



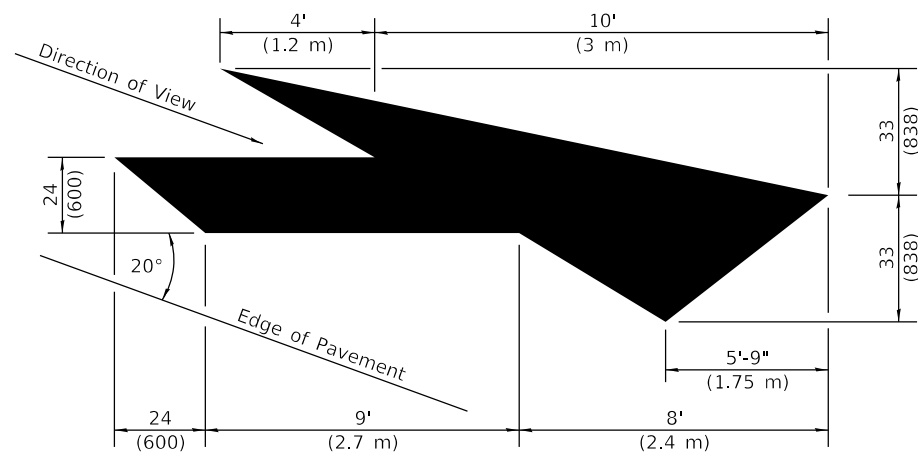
Legend Height	Arrow Size	a
6' (1.8 m)	Small	2.9 (74)
8' (2.4 m)	Large	3.8 (96)

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

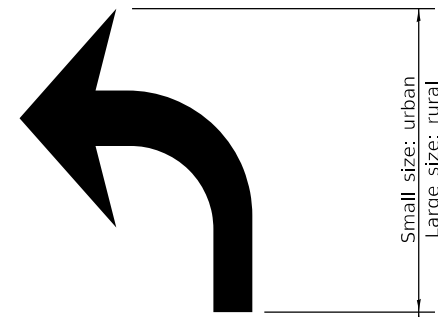
 Illinois Department of Transportation
 PASSED January 1, 2015
Amy Eller
 ENGINEER OF OPERATIONS
 APPROVED January 1, 2015
RE
 ENGINEER OF DESIGN AND ENVIRONMENT
 ISSUED 1-1-97

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



LANE-REDUCTION ARROW

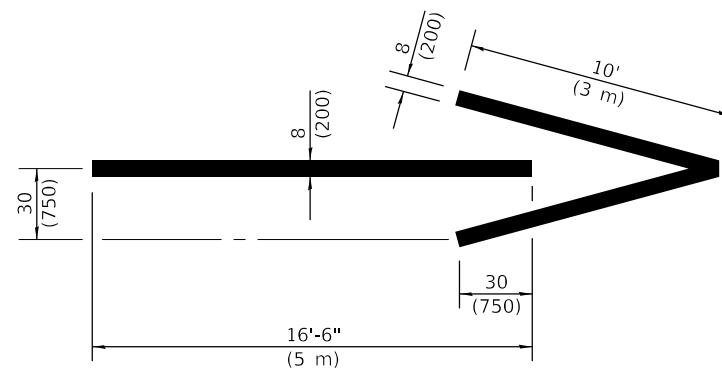
Right lane-reduction arrow shown.
Use mirror image for left lane.



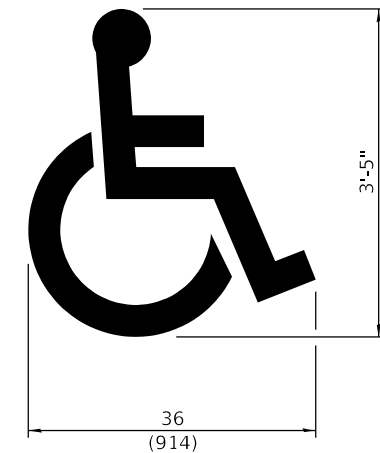
20' (6 m): urban
50' (15 m): rural
(Between arrow
and word or
between words)



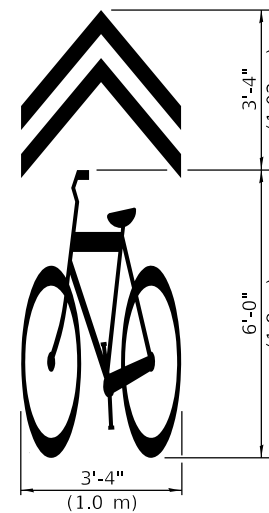
WORD AND ARROW LAYOUT



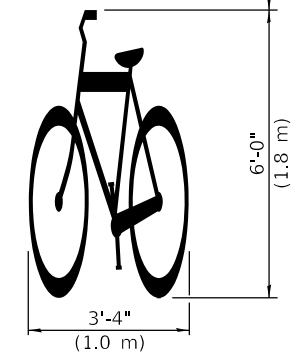
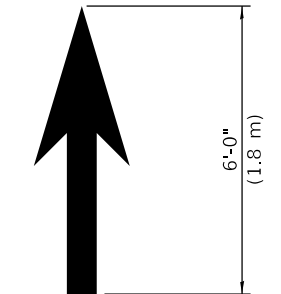
WRONG WAY ARROW



**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

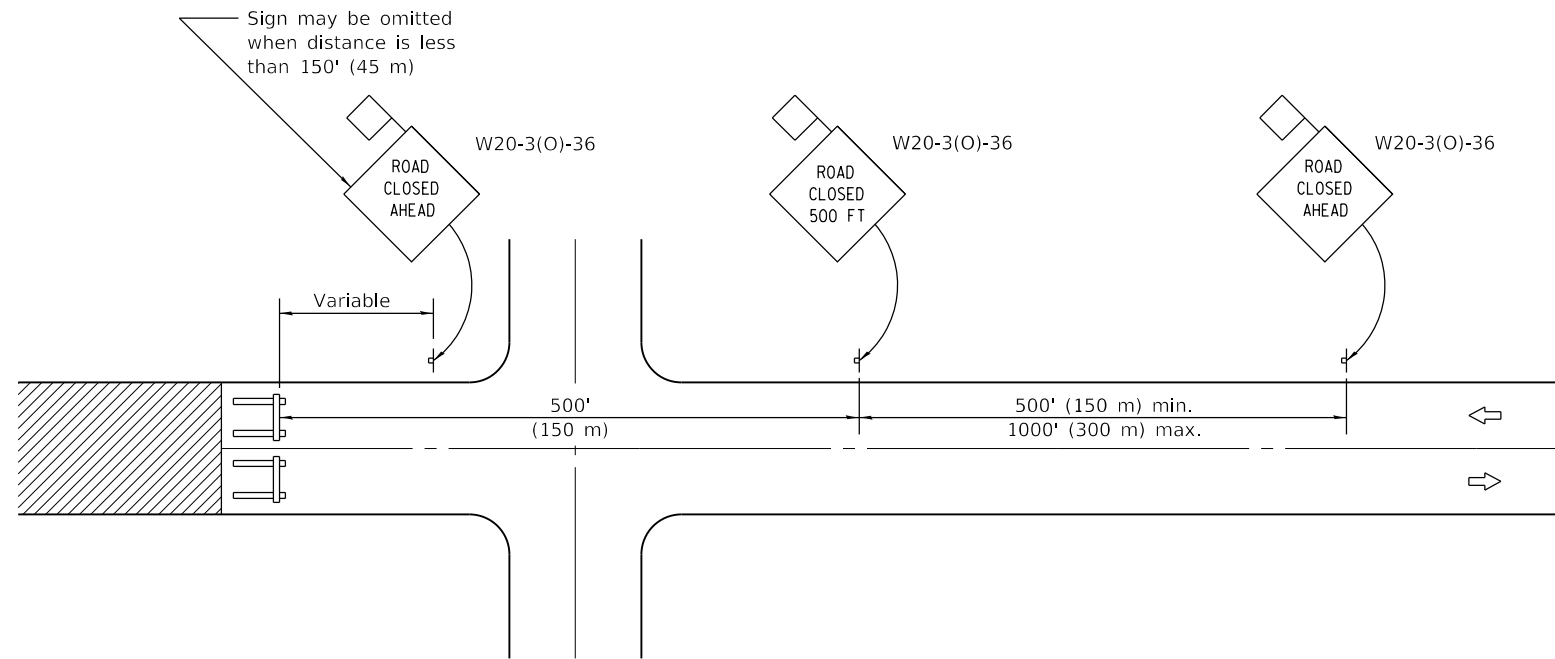
APPROVED January 1, 2015
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**TYPICAL PAVEMENT
MARKINGS**

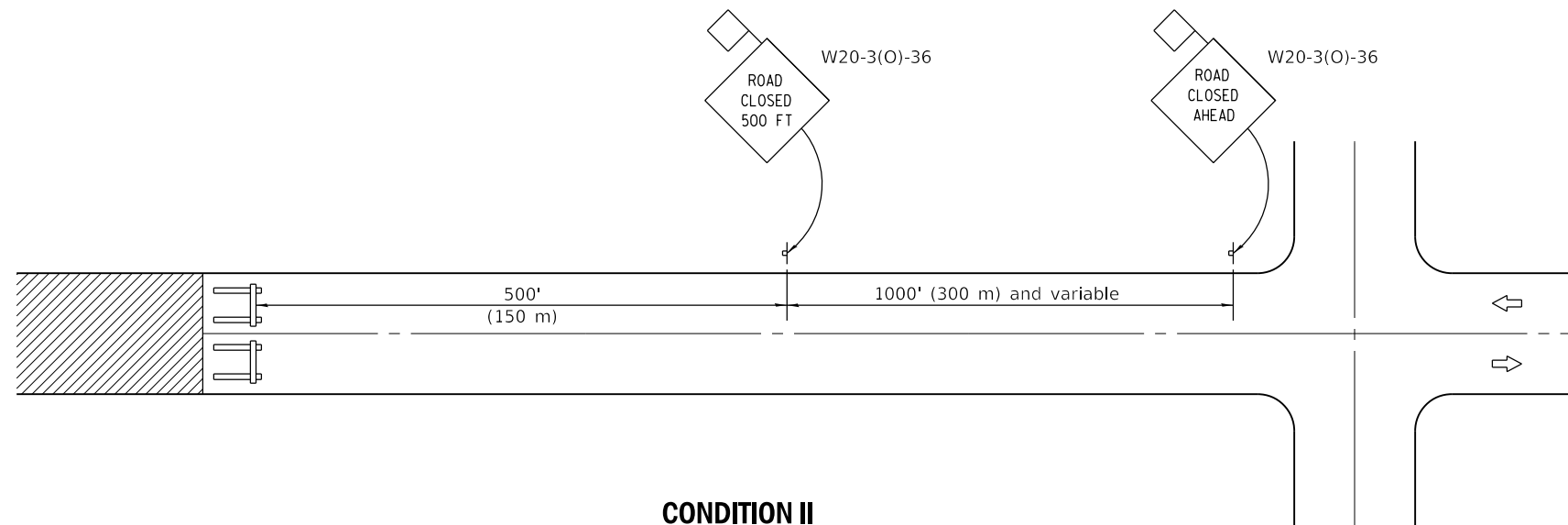
(Sheet 3 of 3)

STANDARD 780001-05



CONDITION I

When distance from closure to crossroad is less than 1500' (450 m)



CONDITION II

When distance from closure to crossroad is greater than 1500' (450 m)

SYMBOLS



Work area



Type III Barricade



Sign with 18x18 (450x450) min. orange flag attached

GENERAL NOTES

Type III Barricades and R11-2-4830 signs shall be positioned as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

Two Type A Low Intensity Flashing Lights shall be used on each approach in advance of the work area during hours of darkness. One light shall be installed above the barricades and the other above the first advance warning sign.

All warning signs shall have minimum dimensions of 36 x 36 (900 x 900) and have a black legend on an orange reflectorized background.

When fluorescent signs are used, orange flags are not required.

Longitudinal dimensions may be adjusted to fit field conditions.

When the distance between the barricade and the intersection is between 1500' (450 m) and 2000' (600 m), the advance sign shall be placed at the intersection. When the distance between the barricade and the intersection is over 2000' (600 m), an additional sign shall be placed at the intersection. The additional sign shall give the distance to the barricade in miles or fractions of a mile.

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

DATE	REVISIONS
1-1-12	Omitted two notes from GENERAL NOTES.
1-1-09	Switched units to English (metric).

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

STANDARD B.L.R. 21-9

Illinois Department of Transportation

PASSED January 1, 2012
Danell Lewis
 ENGINEER OF LOCAL ROADS AND STREETS

APPROVED January 1, 2012
Scott S. S. S.
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97