STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PAR SECTION COUNTY TOTAL SHEET SHEET

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FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN:
THE CITY OF CHICAGO
THE CITY OF NAPERVILLE
THE VILLAGE OF BARTLETT
THE VILLAGE OF BIG ROCK
THE VILLAGE OF ELK GROVE VILLAGE
THE VILLAGE OF GILBERTS
THE VILLAGE OF HARDWOOD HEIGHTS
THE VILLAGE OF JUSTICE
THE VILLAGE OF LILY LAKE
THE VILLAGE OF MAPLE PARK
THE VILLAGE OF PINGREE GROVE
THE VILLAGE OF SOUTH ELGIN
THE VILLAGE OF SUGAR GROVE

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION: 2018–081–GR
PROJECT: HSIP–1YVZ(521)
GUARDRAIL END–SECTION REPLACEMENTS (CENTRAL)
COOK, DUPAGE, AND KANE COUNTIES

C-91-202-19



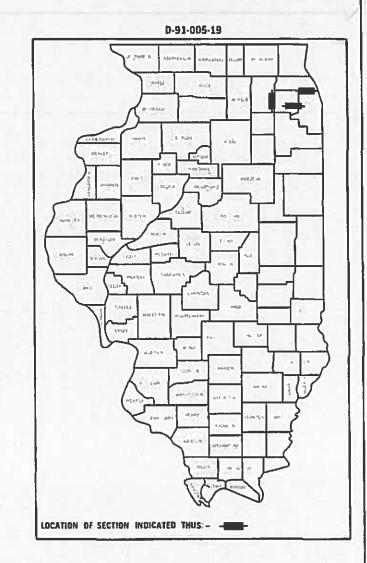
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

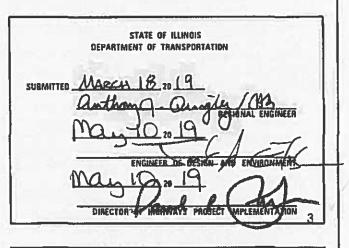
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123
OR 811
C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
(312) 744-7000

PROJECT ENGINEER: KARI SMITH (847) 705 4437
PROJECT MANAGER: FAWAD AQUEEL (847) 705 4247

CONTRACT NO. 62H09

FOR LOCATION MAPS SEE SHEET NO. 5-7





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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- TRAFFIC CONTROL DETAILS FOR FREEWAY SIGNLE & MULTI-LANE WEAVE (TC-09) 17
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- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
- 20 FREEWAY / EXPRESSWAY SIGNING FOR FLAGGIN OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS / EXPRESSWAYS (TC-18)
- 21 ARTERIAL ROAD INFORMATION SIGN (TC-22)

STANDARDS

000001-07	STANDARD SYBMOLS, ABBREVIATIONS, AND PATTERNS
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS & 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

DESIGNED

CHECKED

DRAWN

DATE

COMMITMENTS

NO COMMITMENTS

USER NAME = alshawabkehym

PLOT DATE = 3/18/2019

GENERAL NOTES

- 1 BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 OR DIGGER AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. ANY DAMAGE TO THE UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE MUNICIPALITIES LISTED ON THE COVER SHEET.
- 4 THE RESIDENT ENGINEER SHALL CONTACT THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR, MEADE ELECTRIC COMPANY, AT (773) 287-7672 PRIOR TO THE START OF CONSTRUCTION TO LOCATE ALL IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. THE CONTRACTOR SHALL REGISTER ACCOUNT AT WWW.IDOTLCS.COM TO REQUEST CLOSURES ON THE EXPRESSWAYS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- (7) THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- (8) IN ADDITION TO FIELD AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- (10) DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
- WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED THEIR LOCATION.
- (3) FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL VERIFY THE EXISTING TYPE/HEIGHT OF EXISTING GUARDRAIL BEFORE ORDERING THE NEW TERMINAL SECTION. THE TERMINAL SECTION SHALL MATCH THE HEIGHT OF THE EXISTING GUARDRAIL.
- REMOVED GUARDRAIL MUST BE REPLACED ON THE SAME DAY UNLESS AUTHORIZED BY THE RESIDENT ENGINEER. NO LOCATIONS WILL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME.
- THE CONTRACTOR SHALL ONLY PERFORM WORK ON ONE SIDE OF THE ROADWAY AT ANY TIME.
- (17) NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
- WHEN GUARDRAIL POSTS ARE PLACED BEHIND CONCRETE HEADWALLS. THE POSTS SHALL NOT BE PLACED TO BLOCK THE DRAINAGE OPENING.
- ALL TYPE 1 (SPECIAL) TERMINALS SHALL BE MASH COMPLIANT.

HOT-MIX ASPHALT MIXTURE REQUIREMENT	S	QUALITY MANAGEMENT
MIXTURE TYPE	AIR VOIDS • Ndes	PROGRAM (QMP)
HMA SHOULDER, 8"		
HOT-MIX ASPHALT BINDER, IL-19.0, 8"	4% @ 50 GYR.	QC/QA
QMP DESIGNATION: QUALTIY CONTROL/ QUALTIY ASSURANCE (QC/QA)		

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

SCALE:

- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

REVISED REVISED REVISED REVISED

GUAF	RDRAIL EN	ID-SEC	TION REP	LACEMEN	T (CENTRAL)	
					GENERAL NOTES	
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REV. - MS SECTION COUNTY VAR 2018-081-GR VARIOUS | 21 | 2 CONTRACT NO. 62H09

URBAN

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1982 1982																DUPAGE COUNTY				
2000000	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	28	28						63100169	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	4	1	1	2			
Company Comp												(SPECIAL) FLARED								
	21101615	TOPSOIL FURNISH AND PLACE. 4"	SO YD	259	41	14	204													
Procedure Proc											63200310	GUARDRAIL REMOVAL	FOOT	1825	450	62.5	1312.5			
Processor Proc	25000210	SEEDING, CLASS 2A	ACRE	0.06	0.01	0.01	0.04													
											67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	2	2	2			
25035500 PROSPERIOR TENTILIZER MURICIPAL PROBLEM A, REL 0, 16 0, 17 0, 1	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4.61	0.76	0.26	3.59													
1500000 1500000 15000000 15000000 15000000 150000000 150000000 150000000 150000000 150000000 150000000 150000000 150000000 150000000 150000000 1500000000 150000000000											67100100	MOBILIZATION	L SUM	1	0.2	0.1	0.7			
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STANDARD 701336 STANDARD 7																				
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STANDARD 701501 STANDARD 701606 STANDARD 701606 STANDARD 701606 STANDARD 701606 STANDARD 701606 STANDARD 701606 STANDARD 701601 STANDARD 7	48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	22	22															
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TO102625 TRAFFIC CONTROL AND PROTECTION,	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6	FOOT	25			25					STANDARD 701501								
63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 EACH 1 1 1 STANDARD 701606 STANDARD 701601 STANDARD		FOOT POSTS																		
63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 EACH 31 6 25 70102630 TRAFFIC CONTROL AND PROTECTION, L SUM 1 0.2 0.1 0.7 STANDARD 701601											70102625	TRAFFIC CONTROL AND PROTECTION.	L SUM	1	0.2	0.1	0.7			
(SPECIAL) TANGENT STANDARD 701601	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1							STANDARD 701606								
(SPECIAL) TANGENT STANDARD 701601																				
	63100167		EACH	31	6		25				70102630		L SUM	1	0.2	0.1	0.7			
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				COOK COUNTY	DUPAGE COUNTY	KANE COUNTY							COOK COUNTY	DUPAGE COUNTY	KANE COUNTY			
70102632	TRAFFIC CONTROL AND PROTECTION.	L SUM	1	0.2	0.1	0.7												
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70102635	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	0.2	0.1	0.7												
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	STANDARD 701701																	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	20	20	20												
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	35	7	1	27		1										
												-						
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	36	7	1	28												
								1										
X6300215	RAIL ELEMENT PLATES	EACH	26	7	1	18												
V6700017	DATE STREET DIATES (DADING)	F + 0		_														
X6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	13	3	1	9												
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4														
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<u>GILBERTS</u> IL-72 • (21) W/B, RHS, 0.4 MILE E/O BIG TIMBER ROAD GILBERTS HAMPSHIRE WEST DUNDEE IL-72 • (20) E/B, RHS, JUST W/O RICHARD J. BROWN BLVD BURLINGTON PLATO CENTER. ELGIN IL-31 • (1) SB, RHS, 0.25 MILE S/O OF HOPPS ST/ SPRING ST LIKE A NE 18. **≈**64)= VIRGIL IL-47 • (22) S/B, RHS, 0.2 MILE S/O RAMM ROAD -<u>Sucar grove</u> IL-47 • (12) S/B, RHS, AT START OF EXIT RAMP TO W/B I-88 THATCHER MAPLE PARK IL-47 • (23) S/B, RHS, O.1 MILE N/O READ ROAD ELBURN LA FOX - <u>SUGAR GROVE</u>
IL-56
• (13) E/B, RHS, 0.8 MILE E/O HANKES ROAD
• (14) W/B, RHS, 0.E MILE E/O HANKES ROAD KANEVILLE AURORA BIG ROCK BIG ROCK
US-30
• (4) W/B, RHS, 0.3 MILE W/O SHAW ROAD
• (5) E/B, RHS, 0.2 MILE W/O SHAW ROAD BIG ROCK
US-30
• (7) E/B, RHS, 1.5 MILE TO W/O DUGAN ROAD US-30 • (9) E/B, RHS, 0.3 MILE W/O IL-47 • (10) E/B, RHS, 0.1 MILE W/O IL-47 • (11) E/B, RHS, JUST W/O IL-47 SUGAR CROVE US-30
• (8) E/B, RHS, 0.5 MILE W/O DUGAN ROAD NOTE: • (00) = LOCATION NUMBER AS SHOWN ON PLAN SHEET AND SCHEDULE OF QUANTITIES

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

JSER NAME = alshawabkehym

PLOT DATE = 3/18/2019

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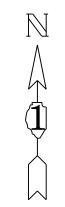
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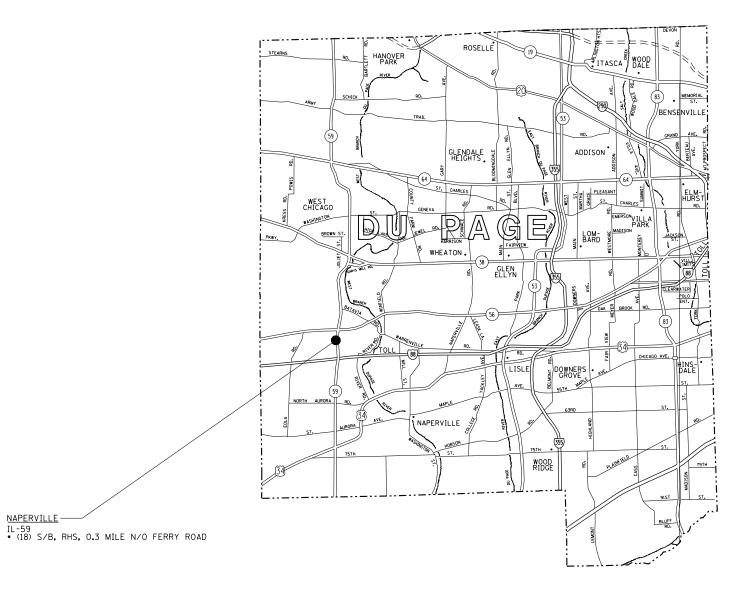
GUARDRAIL END-SECTION REPLACEMENT (CENTRAL)

LOCATION MAP (KANE COUNTY)

SHEET OF SHEETS STA. TO STA.

FAP. RE. SECTION COUNTY SHEETS NO. 10 SECTION COUNTY SHEET



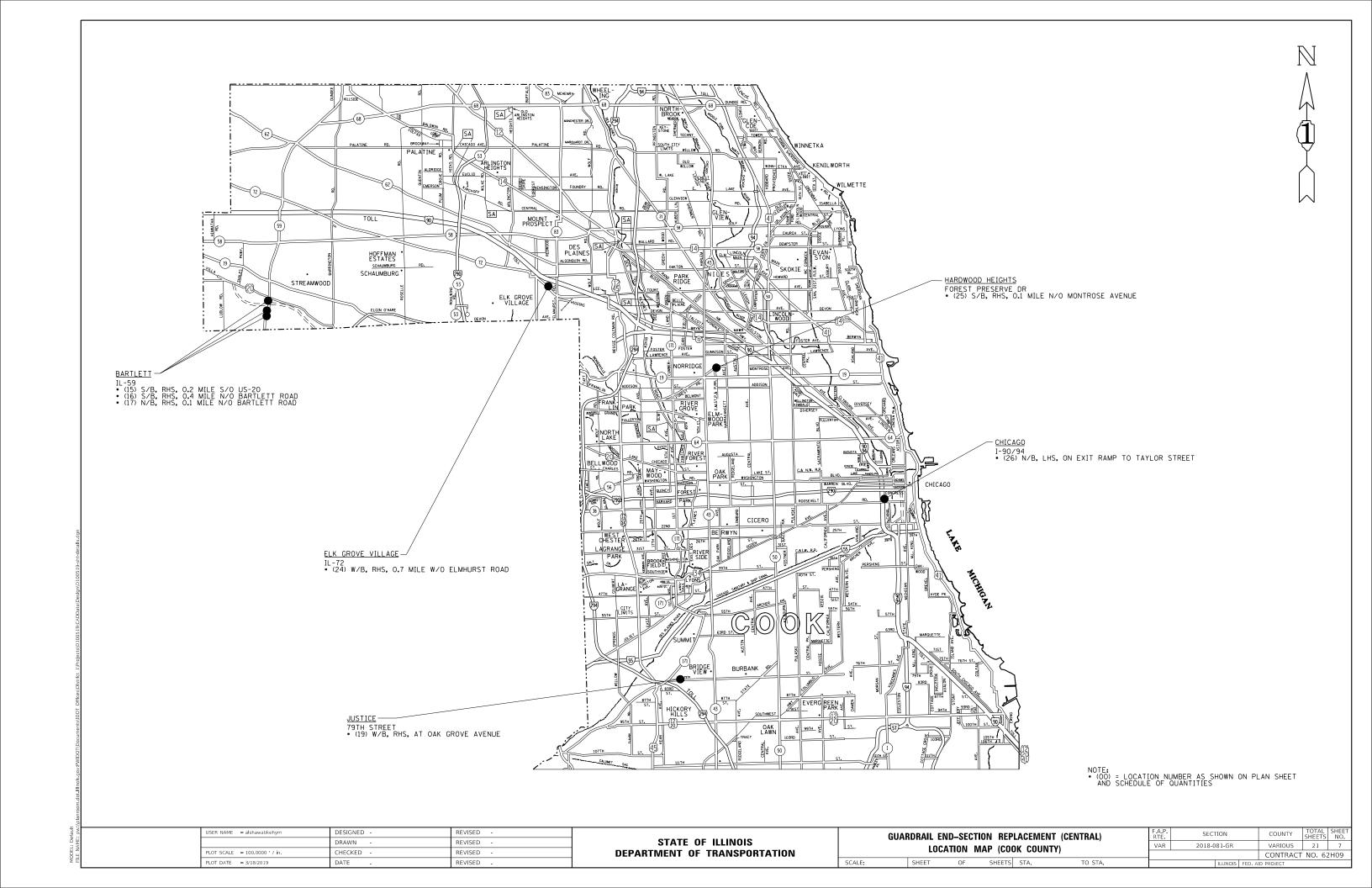


NOTE: • (00) = LOCATION NUMBER AS SHOWN ON PLAN SHEET AND SCHEDULE OF QUANTITIES

USER NAME = alshawabkehym	DESIGNED -	REVISED -	
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PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/18/2019	DATE -	REVISED -	

STATE	OF ILLINOIS	
DEPARTMENT (OF TRANSPORTATIO	N

GUAF	RDRAIL EN	ID-SECT	ON REP	LACEMEN	IT (CENTRAL)	F.A.P. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
	VAR	2018-081-GR		VARIOUS	21	6					
	LUUA	I I O I VI	11 (001)	AGE COU	(VIII)				CONTRACT	NO. 62	2H09
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS	FED. AI	ID PROJECT		



GUARDRAIL END SECTION REPLACEMENT SCHEDULE

LOCATION	GUARDRAIL ID #	TOPSOIL F&P, 4"	PAVED SHLDR REMOVAL	AGGREGATE SHLDR, TYPE B	HOT-MIX ASPHALT SHOULDER, 8"	SPB GR, TY. A 6FT POSTS	TRAFFIC BAR TERM, TYPE 2	TRAFFIC BAR TERM, TYPE 1 (SP) TANGENT	TRAFFIC BAR TERM, TYPE 1 (SP) FLARED	GUARDRAIL REMOVAL	TEMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTOR S, TY. A
		(SQ YD)	(SQ YD)	(TON)	(SQ YD)	(FOOT)	(EACH)	(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)
		21101615	44004250	48101200.0	48203029	63000001	63100045	63100167	63100169	63200310	7251000	78200005
1	7809	1 1							1	50	1	1
2	8251	1 1		5.0				2		100	2	2
3	8253			19.2				2		100	2	2
4	8257	1 1		5.0				2		100	2	2
5	8259	1 1		5.0				2		100	2	2
6	8261	1 1		5.0				2		100	2	2
7	8263	22						2		100	2	2
8	8265	1 1		5.0				2		100	2	2
9	8269	1 1						1		50	1	1
10	8271	1 1						1		50	1	1
1 1	8272			9.6					1	50	1	1
12	8281	6				25		1		12.5	1	2
13	8298	1 1		5.0				1		50	1	1
14	8305	1 1						1		50	1	1
15	8394			4.0				1		50	1	1
16	8396			4.0					1	50	1	1
1 7	8361			4.0				1		50	1	1
18	5554	14							1	62.5	1	1
19	3894	19		9.6				1		150	1	1
20	8494	22						2		100	2	2
21	8534	1 1						1		50	1	1
22	8548	22						2		100	2	2
23	8553	1 1						1		50	1	1
24	1034	1 1						1		50	1	1
25	6937	1 1					1	1		50	1	1
26	1760		22		22			1		50	1	1
TOTAL		259	22	80.3	22	25	1	31	4	1825	 35	36
		233					1	<u> </u>	1	1020		
COOK		41	22	21.6	22	0	1	6	1	450	7	7
KANE		204	0	58.8	0	25	0	25	2	1312.5	27	28
DUPAGE		14	0	0.0	0	0	0	0	1	62.5	1	1

JSER NAME = alshawabkehym DESIGNED -REVISED -DRAWN -REVISED -PLOT SCALE = 100,0000 ' / in. CHECKED -REVISED -PLOT DATE = 3/18/2019 DATE REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** GUARDRAIL END-SECTION REPLACEMENT (CENTRAL) SCHEDULE OF QUANTITIES OF SHEETS STA. TO STA.

SCALE:

F.A.P. RTE. VAR. COUNTY TOTAL SHEET NO.

VARIOUS 21 8 SECTION 2018-081-GR CONTRACT NO. 62H09

LOCATION 1
GR 1D= 7809

OF SOUTHBOADO IL-32, RIGHT SIDE,
0.25 MILES SOUTH OF HOPPS \$17,578104 RD

PROP. TRAFFIC SARRIER TERMINAL,
TYPE I USPECIALI FLARED
PROP. GUARDRAIL REMOVAL - 50.0 FT

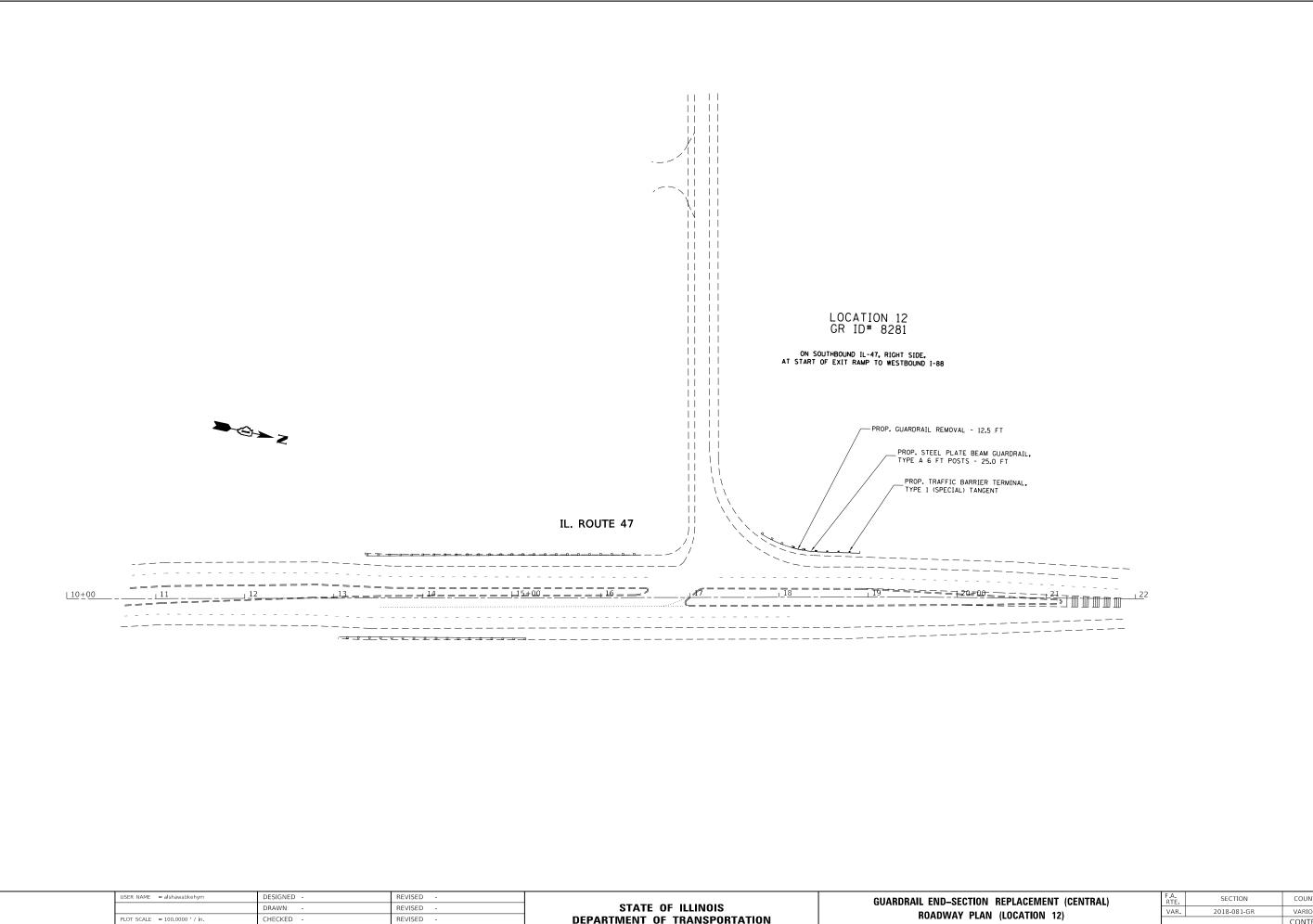
IL. ROUTE 31
(S. LA FOX ST.)

W. PLUM ST.

PLOT DATE = 3/18/2019	DATE -	REVISED -	
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	
	DRAWN -	REVISED -	
USER NAME = alshawabkehym	DESIGNED -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUAF	RDRAIL E	ND-SECT	ION REP	LACEMEI	NT (CENTRAL)	F.A. RTE.	SECTIO
	RO.	ADWAY I	PLAN /I	CATION	1)	VAR.	2018-081
	1102	ADVVAI	I LAN (LO	JUATION	-1/		
SCALE: 1"= 50	SHEET	OF	SHEETS	STA.	TO STA.		ILI



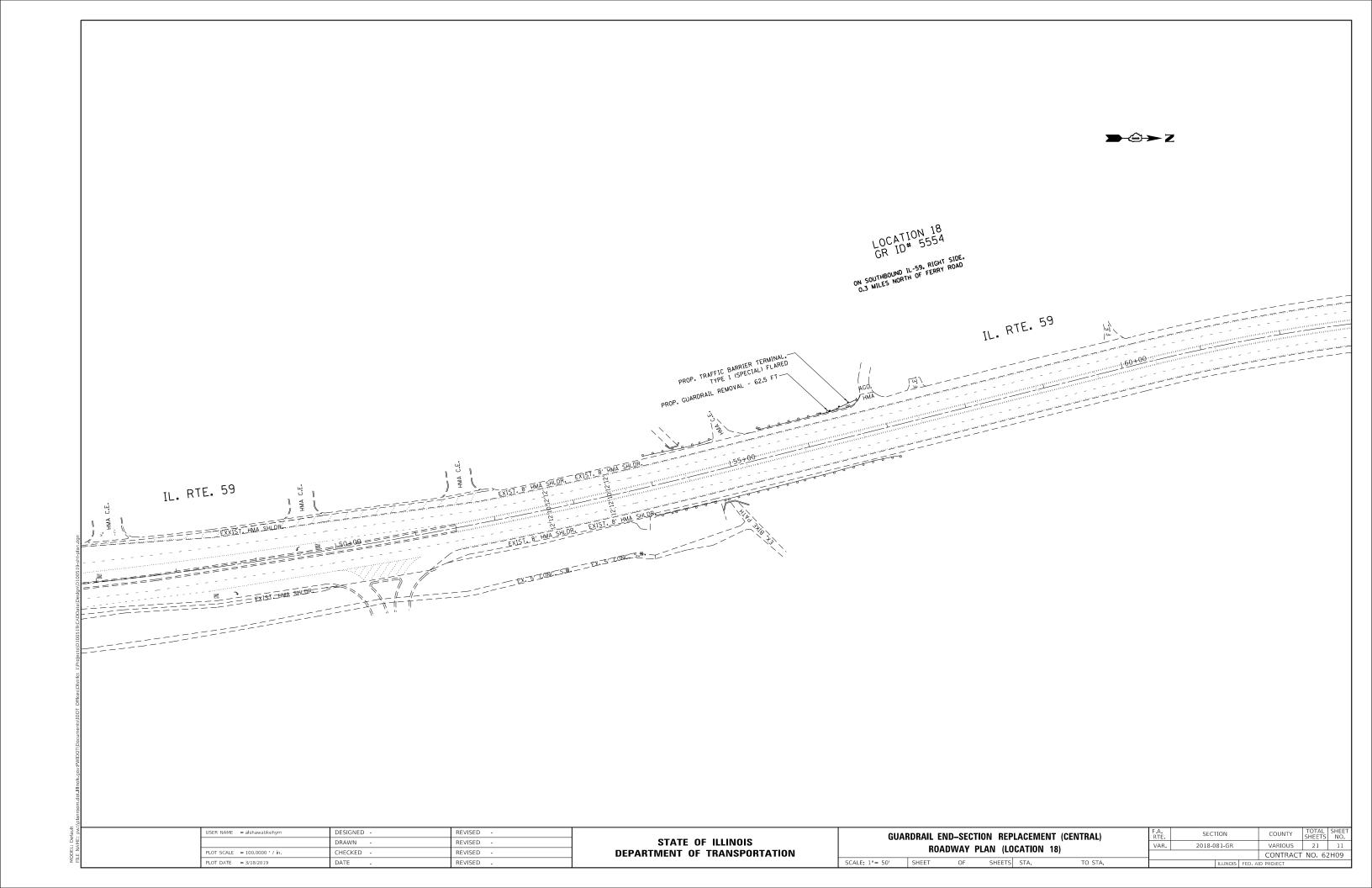
DATE

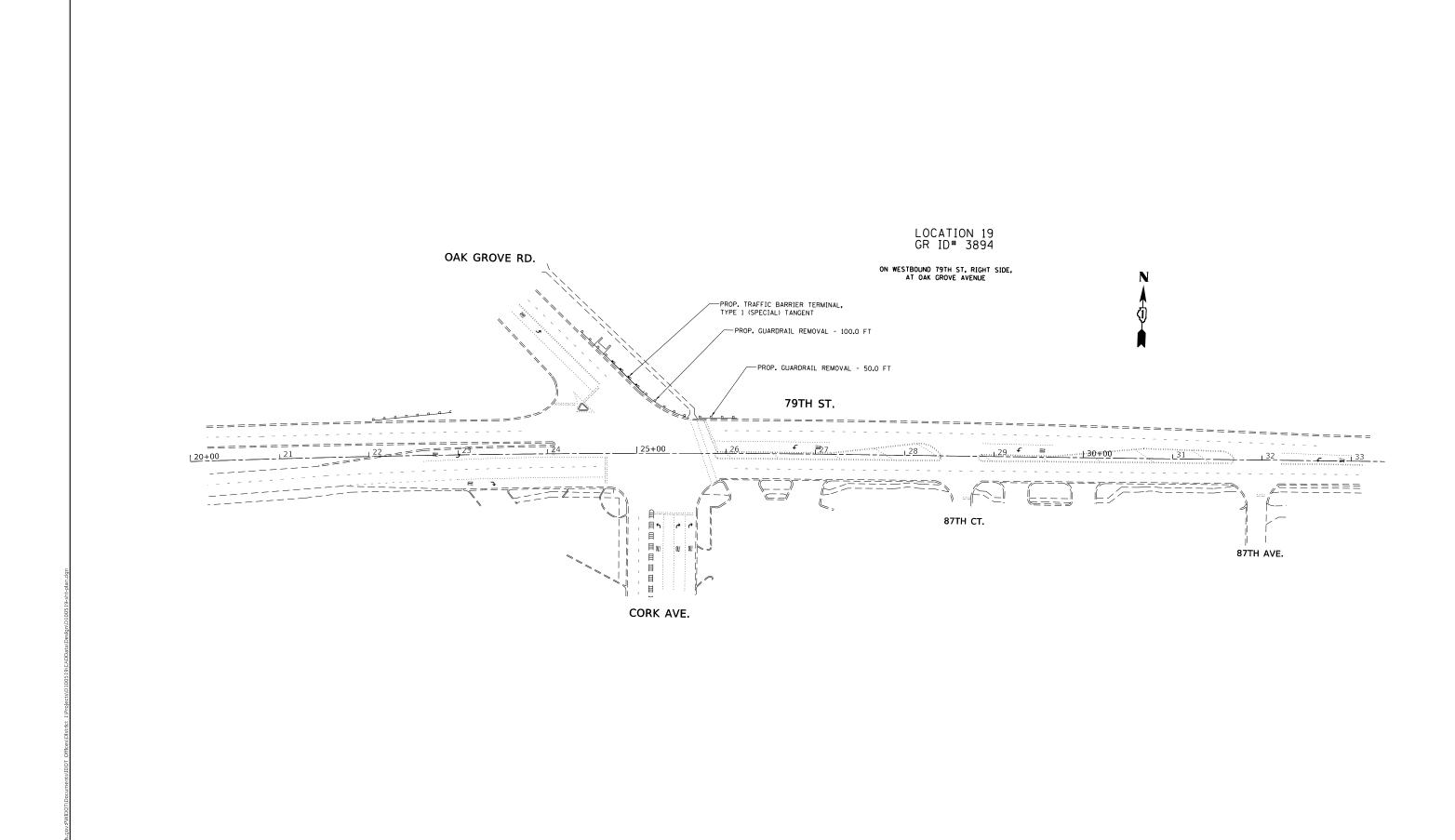
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN (LOCATION 12)

COUNTY TOTAL SHEET NO.

VARIOUS 21 10 VAR. 2018-081-GR CONTRACT NO. 62H09





 USER NAME
 = alshawabkehym
 DESIGNED
 REVISED

 DRAWN
 REVISED

 PLOT SCALE
 = 100,0000 ' / in.
 CHECKED
 REVISED

 PLOT DATE
 = 3/18/2019
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

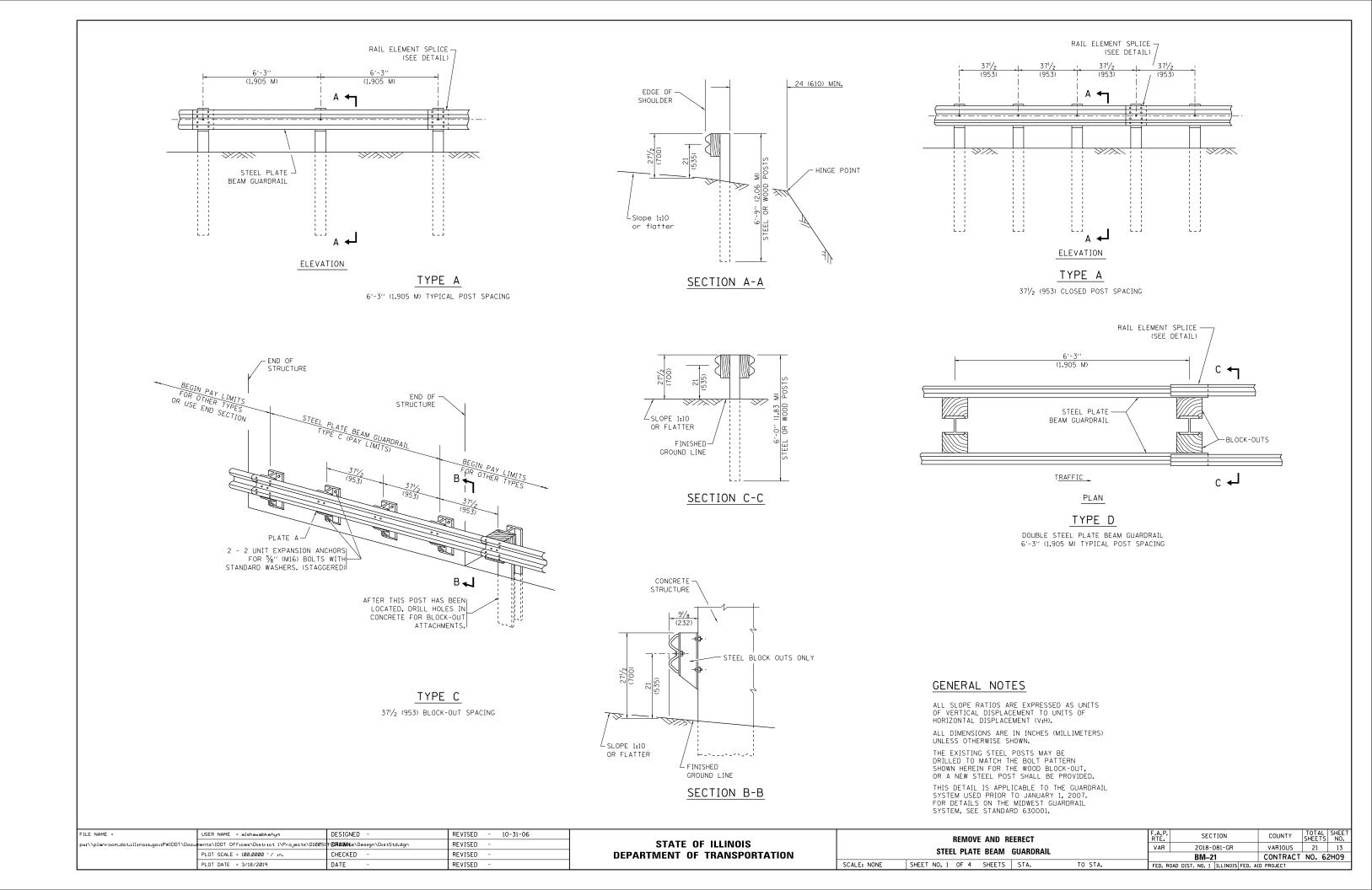
GUARDRAIL END-SECTION REPLACEMENT (CENTRAL)
ROADWAY PLAN (LOCATION 19)

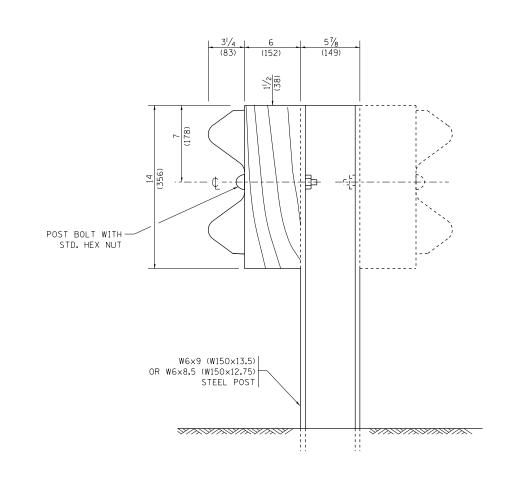
F.A. SECTION COUNTY TOTAL SHEETS NO.

VAR. 2018-081-GR VARIOUS 21 12

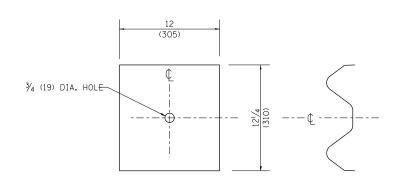
CONTRACT NO. 62+109

IILLINOIS | FED. AID PROJECT





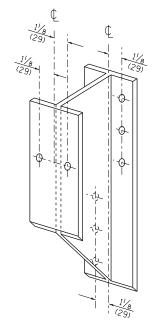
STEEL POST CONSTRUCTION



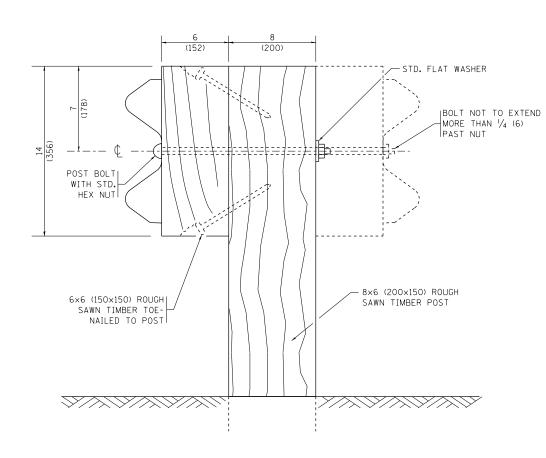
NOTE:

PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

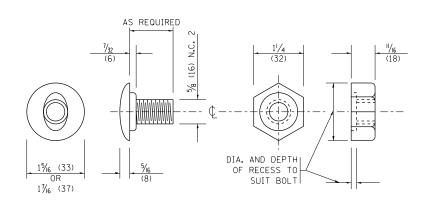
PLATE A



STEEL BLOCK-OUT DETAIL

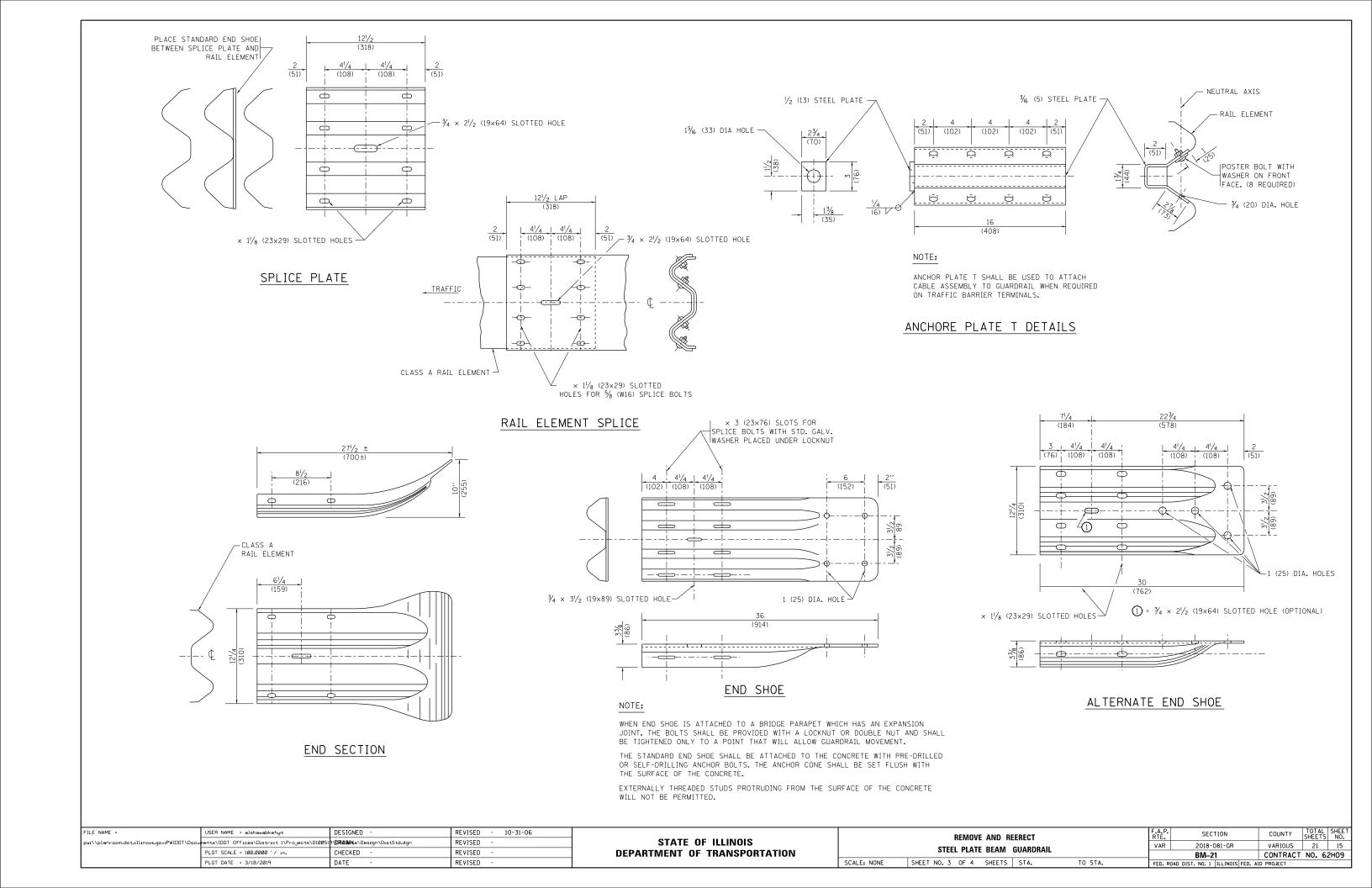


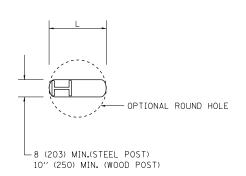
WOOD POST CONSTRUCTION



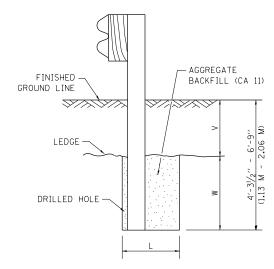
POST OR SPLICE BOLT & NUT

Ī	FILE NAME =	USER NAME = alshawabkehym	DESIGNED -	REVISED - 10-31-06			REMOVE AND REERECT		F.A.P.	SECTION	COUNTY	TOTAL SHEET
-	pw:\\planroom.dot.illinois.gov:PWIDOT\Docu	ents\IDOT Offices\District 1\Projects\D10051		REVISED -	STATE OF ILLINOIS		STEEL PLATE BEAM GUARDRAIL		VAR	2018-081-GR	VARIOUS	21 14
1		PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	STEEL PLATE BEAM GUAKDKAIL				BM-21	CONTRACT	NO. 62HO9
- 1		PLOT DATE = 3/18/2019	DATE -	REVISED -		SCALE: NONE	SHEET NO. 2 OF 4 SHEETS STA.	TO STA.	FED. ROAD DI	ST. NO. 1 ILLINOIS FED.	AID PROJECT	





PLAN

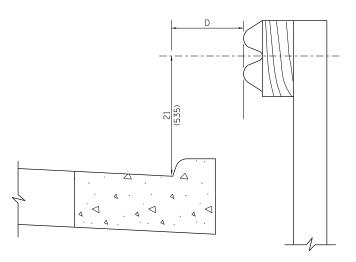


NOTE:

LEDGE LINE IS TOP OF ROCK LEDGE OR HARD SLAG FILL.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



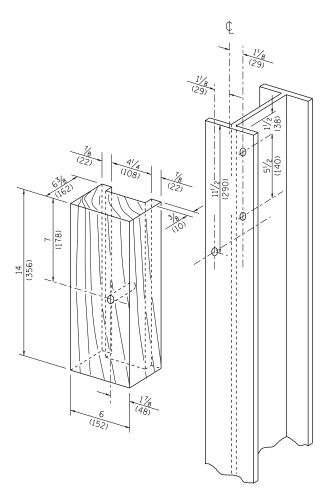
NOTE:

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

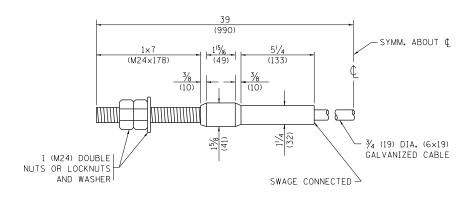
GUARDRAIL PLACED BEHIND CURB

(D = O DESIRABLE TO 12 (300) MAXIMUM)

V	w	L				
V	, w	STEEL POST	WOOD POST			
0 - 18	24	21	23			
(0 - 460)	(610)	(530)	(580)			
>18 - 41.5	12	8	10			
(> 460 - 825)	(305)	(203)	(250)			
>41.5 - 53.5	12 - 0	8	10			
(> 825 - 1.13 M)	(350 - 0)	(203)	(250)			



WOOD BLOCK-OUT AND STEEL POST DETAILS



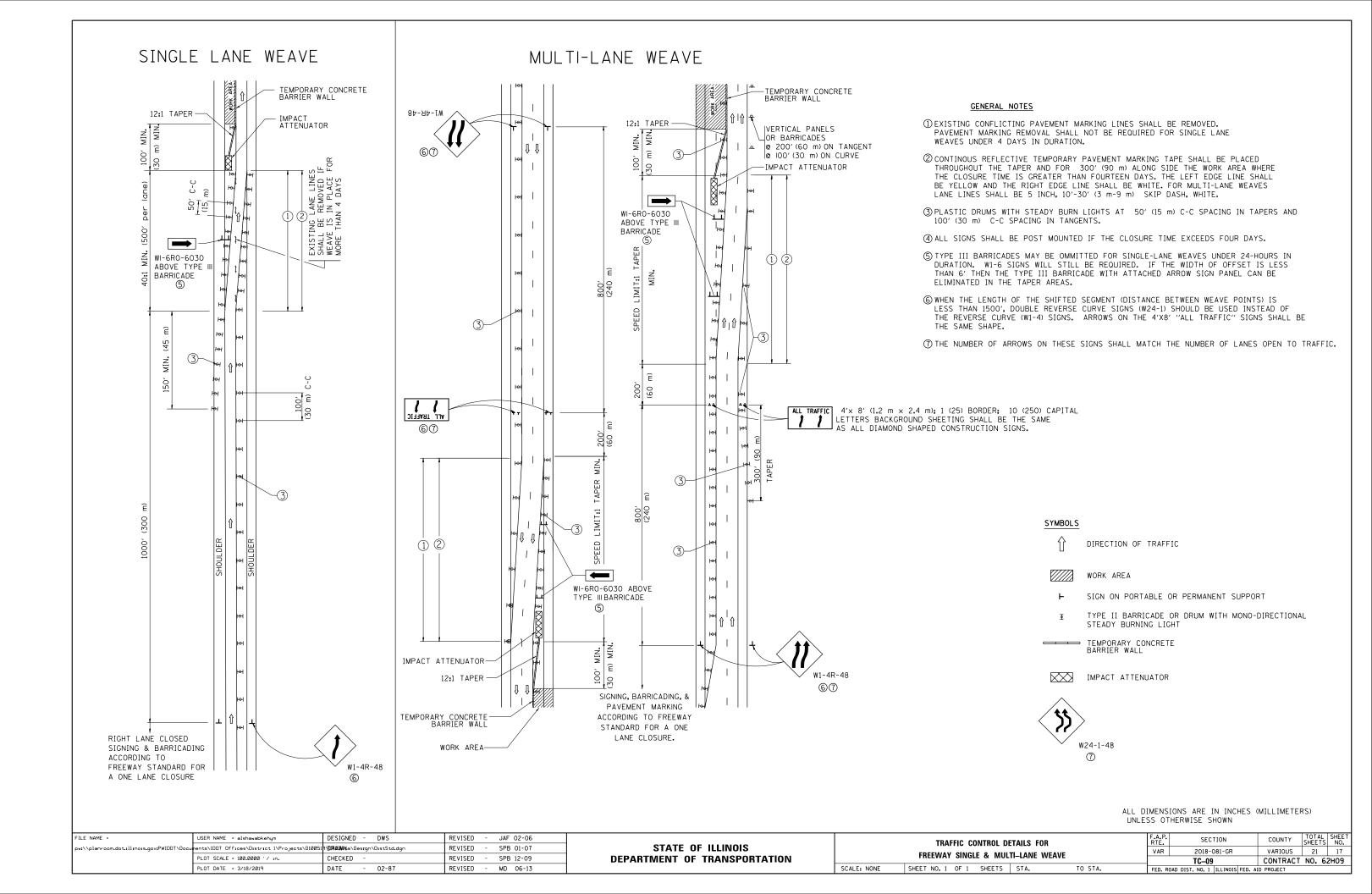
CABLE ASSEMBLY

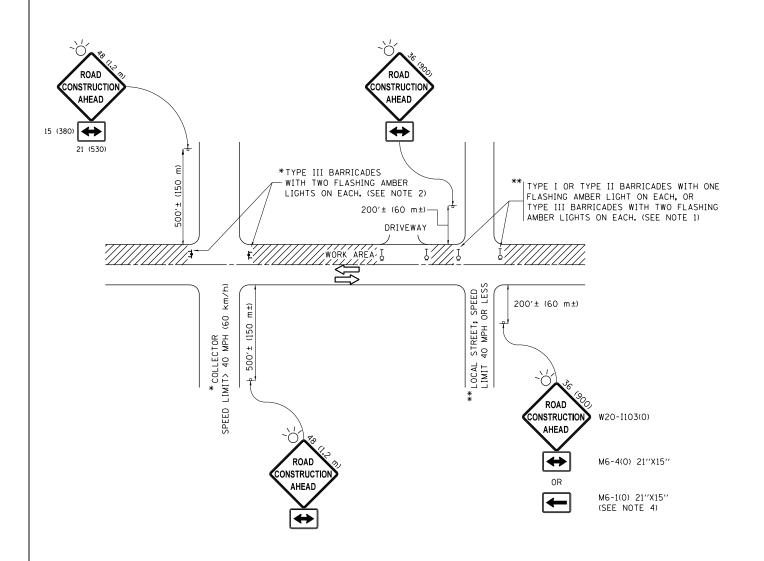
(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)
TIGHTEN TO TAUT TENSION

FILE NAME =	USER NAME = alshawabkehym	DESIGNED -	REVISED -	10-31-06
pw:\\planroom.dot.illinois.gov:PWIDOT\Docu	nents\IDOT Offices\District 1\Projects\D10051	P ORAMA a \ Design \ DistStd.dgn	REVISED -	
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
	PLOT DATE = 3/18/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	REMOVE AND RI	ERECT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STEEL PLATE BEAM	VAR	VAR 2018-081-GR VA		21	16		
	SILLE FLAIL BLAW		BM-21	CONTRACT	NO. 6	2H09		
SCALE: NONE	SHEET NO. 4 OF 4 SHEETS	STA.	TO STA.	FED. R	OAD DIST, NO. 1 ILLINOIS FED. A	D PROJECT		





NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200" (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 \times 48 (1.2 m \times 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500" (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEICHT
- 4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

SCALE: NONE

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINFER.
- 7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = alshawabkehym	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\\planroom.dot.illinois.gov:PWIDOT\Docu	ments\IDOT Offices\District l\Projects\D10051	N ORANN a\Des±gn\DistStd.dgn	REVISED -T. RAMMACHER 01-06-00
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
Default	PLOT DATE = 3/18/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATI	E OF	: ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS									
SIDE ROADS INTERSECTION					SECTIONS	: AND	DRIVEWAYS	VAR	
31	DL IIUA	.DJ,		LII	COLIDIA	, AIID	DIIIVEVVAIS		
	SHEET 1		OF	1	SHEETS	STA.	TO STA.		_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2018-081-GR	VARIOUS	21	18
	TC-10	CONTRACT	NO. 6	2H09
	ILLINOIS FED. A	ID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

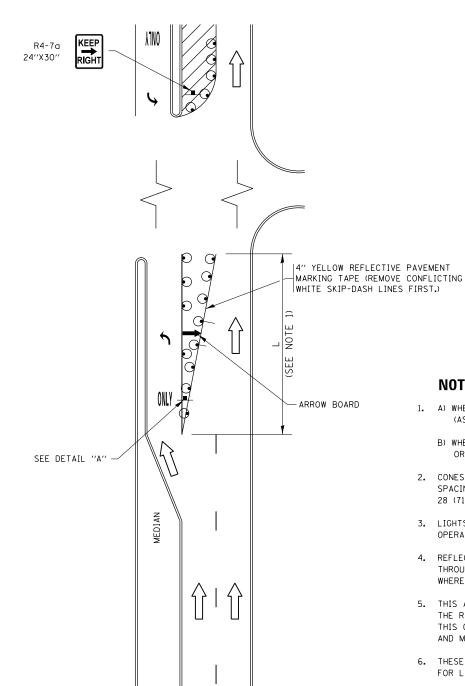


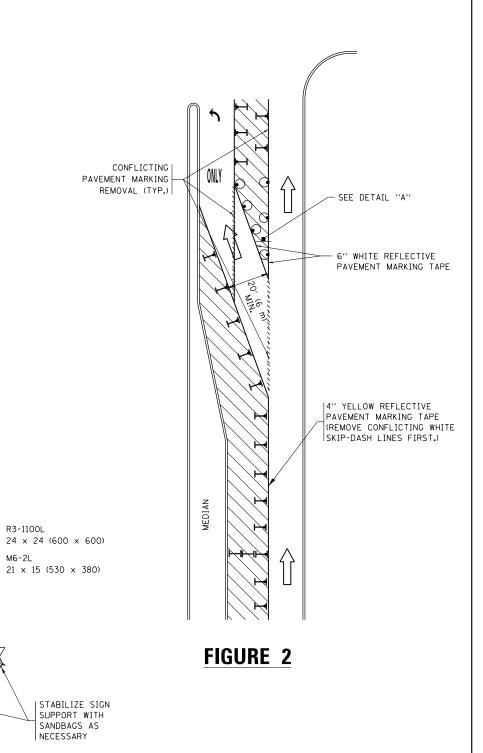
FIGURE 1

LEGEND WORK AREA LANE OPEN TO TRAFFIC ARROW BOARD TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT DRUM WITH STEADY BURN LIGHT SIGN ASSEMBLY TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

- 1. A) WHEN "L" IS < THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 - B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- 3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- 5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 \times 15 (530 \times 380) SHALL BE USED.
- 6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- 7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- 8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE



DETAIL A

TURN

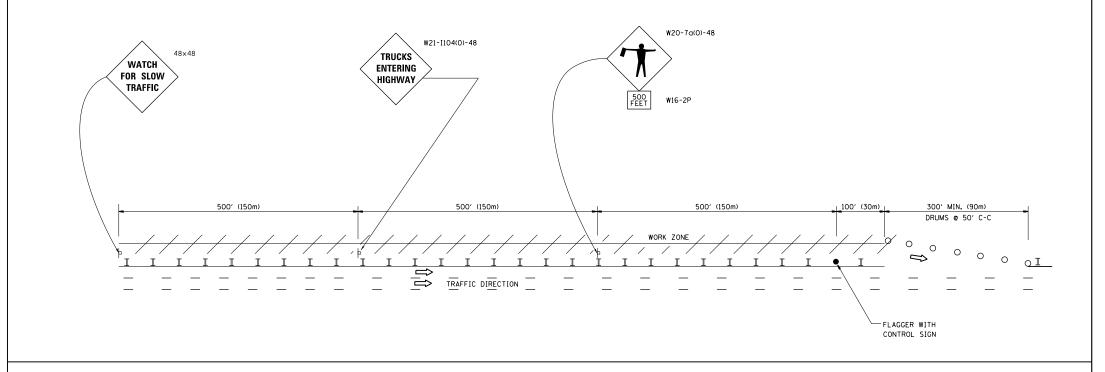
M6-2L

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

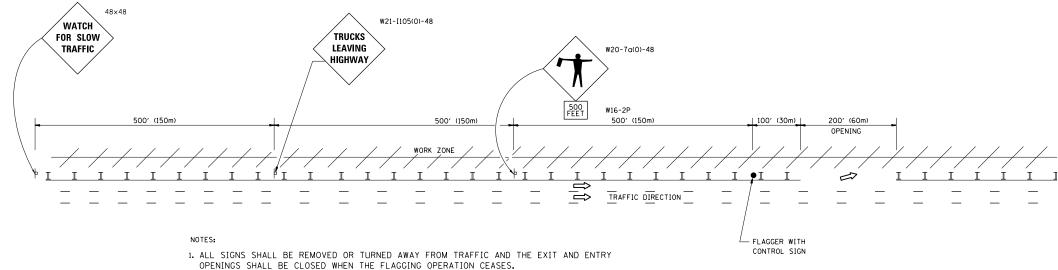
	FILE NAME =	USER NAME = alshawabkehym	REVISED -T. RAMMACHER 09-08-94 REVISED - R. BORO 09-14-09		TRAFFIC CONTROL AND PROTECTION AT TURN BAYS	RTE.	SECTION	COUNTY SHEETS	NO.
	pw://planroom.dot.illinois.gov:PWIDOT/Docu	ments\IDOT Offices\District 1\Projects\D10051	NREWOSED - A. SCHUETZE 07-01-13		(TO REMAIN OPEN TO TRAFFIC)	VAR	2018-081-GR	VARIOUS 21	19
		PLOT SCALE = 100.0000 '/ in.	REVISED - A. HOUSEH 10-12-96 REVISED - A. SCHUETZE 09-15-16	DEPARTMENT OF TRANSPORTATION	(TO REIVIAIN OPEN TO TRAFFIC)		TC-14	CONTRACT NO. 62	2но9
L	Default	PLOT DATE = 3/18/2019	REVISED -T. RAMMACHER 01-06-00 REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. A	AID PROJECT	

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING

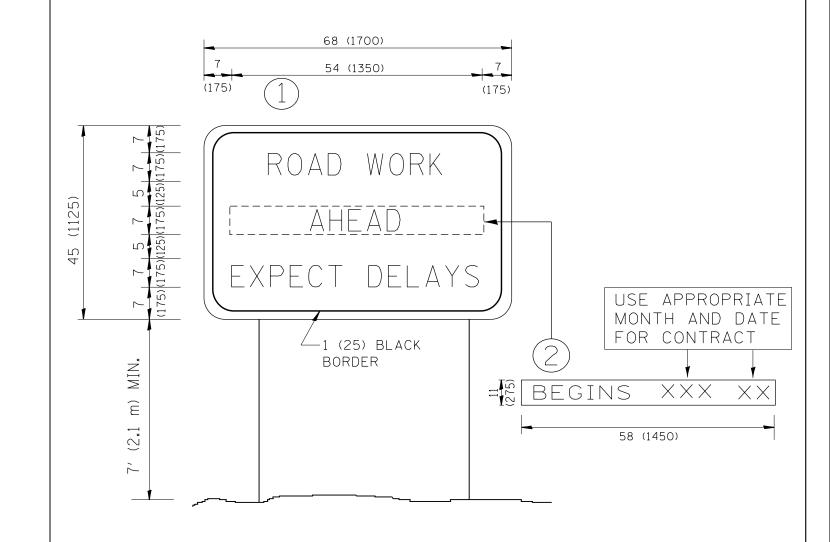


1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11

- 2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
- 3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
- 4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
- 5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = alshawabkehym	DESIGNED -	REVISED -	J.A.F. 02-06		FREEWAYEXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYSEXPRESSWAYS SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	TIONS	F.A.P.	SECTION	COUNTY	TOTAL	SHEET	
pw:\\planroom.dot.illinois.gov:PWIDOT\Docu	nents\IDOT Offices\District 1\Projects\D1005	19 \DRAMM a\Design\DistStd.dgn	REVISED -	S.P.B. 01-07	STATE OF ILLINOIS				VAR	2018-081-GR	VARIOUS	21	20
	PLOT SCALE = 100.2473 '/ in.	CHECKED -	REVISED -	S.P.B. 12-09	DEPARTMENT OF TRANSPORTATION			AYS	<u> </u>	TC-18	CONTRACT	NO. 62	2H09
	PLOT DATE = 3/18/2019	DATE -	REVISED -	M.D. 06-13		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. T	O STA.	FED. ROAD D	IST. NO. 1 ILLINOIS FED. A'	D PROJECT		



NOTES:

- 1. USE BLACK LETTERING ON ORANGE BACKGROUND.
- 2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- 4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
- 5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- 6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
- 7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = alshawabkehym	DESIGNED -	REVISED -	- R. MIRS 09-15-97	07175 05 11111010		ARTERIAL ROAD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	HEET NO.
- - - - - - - - -	ments (156) Of Fices (5130 fet 1 (1 fojects (51665)	7 OMANNA Design DistStd.dgn	REVISED -	- R. MIRS 12-11-97	STATE OF ILLINOIS		INFORMATION SIGN		VAR	2018-081-GR	VARIOUS	21	21
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	-T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION					TC-22	CONTRACT	NO. 62	109
	PLOT DATE = 3/18/2019	DAIL -	REVISED -	- C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA.	TO STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FED. A	D PROJECT		