06-16-2017 LETTING ITEM 229

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAU 1270 - LAKE-COOK ROAD OVER CREEK 0.6 MILES WEST OF ELA ROAD SECTION: 0707-CLV **CULVERT REPAIR** COOK & LAKE COUNTIES

C-91-154-17

PALATINE TOWNSHIP

R 10 E

IMPROVEMENT IS LOCATED IN THE VILLAGE OF BARRINGTON

FOR INDEX OF SHEETS, SEE SHEET NO

TRAFFIC DATA 2014 LAKE-COOK ROAD: 16,000

POSTED SPEED LIMIT LAKE-COOK ROAD: 40 MPH

SN 016-2221 LOCATION OF IMPROVEMENT

PROJECT ENGINEER: JEAN ALAIN MIDY (847)221-3056 PROJECT MANAGER: ISSAM RAYYAN (847)705-4178

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

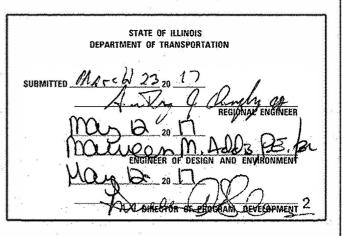
CONTRACT NO. 62D94

OR 811

* 11+1=12 total sheets

0-91-154-17





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STANDARD	NO.	DESCRIPTION	

SHE	ET NO.	DESCRIPTION
3	ı	COVER SHEET
2	2	INDEX OF SHEETS, STANDARDS, AND GENERAL NOTES
:	3	SUMMARY OF QUANTITIES
4	4 - 7	WINGWALL PLAN
8	8 - 9 A	PLAN & PROFILE
1	10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS. INTERSECTIONS, AND DRIVEWAYS (TC-10)
1	11	INFORMATION SIGN (TC-22)

280001-07	TEMPORARY EROSION CONTROL SYSTEM
e0e10e-0 1	LONG-SPAN GUARDRAIL OVER CULVERT
701011-04	OFF-RD MOVING OPERATIONS 2L. 2W DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATION
701311-03	LANE CLOSURE 2L. 2W MOVING OPERATIONS DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801~06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES.

(48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF BARRINGTON.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

REINFORCEMENT BARS SHALL BE EPOXY COATED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 (72 HOURS IN ADVANCE OF BEGINNING WORK).

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF MAINTENANCE BRIDGE INSPECTORS.

THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. THE DEPARTMENT HAS NOT OBTAINED THE U.S. ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT. IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING A 404 PERMIT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER USACE PERMITS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER AT WALTER.CZARNY@ILL[NOIS.GOV AT LEAST TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.

1	I				
	FILE NAME :	USER NAME = hassenn	DESIGNED -	REVISED	-
	p=:\\iL884E8IDINTEG.:llinois.gov:PWIOOT\Do	uments\(001 Offices\0istrict 1\Projects\0115	IDROMBOto\Cassgn\Cli5417-sht-plan.dgn	REVISED	-
		PLOT SCALE = 100.0000 1/ in.	CHECKED -	REVISED	
	Default	PLOT DATE * 3/29/2017	DATE -	REVISED	-

STAT	E OI	F ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

INDEX	OF SHI	ETS, STA	NDARDS,	AND G	ENEAR/	AL NOTE	S	RTE
LAKE COOK	ROAD	OVER CF	REEK 0,6	MILES	WEST	OF ELA	ROAD	127
SCALE:	SHEET	ŌF	SHEETS	STA.		TO ST	Α.	7-

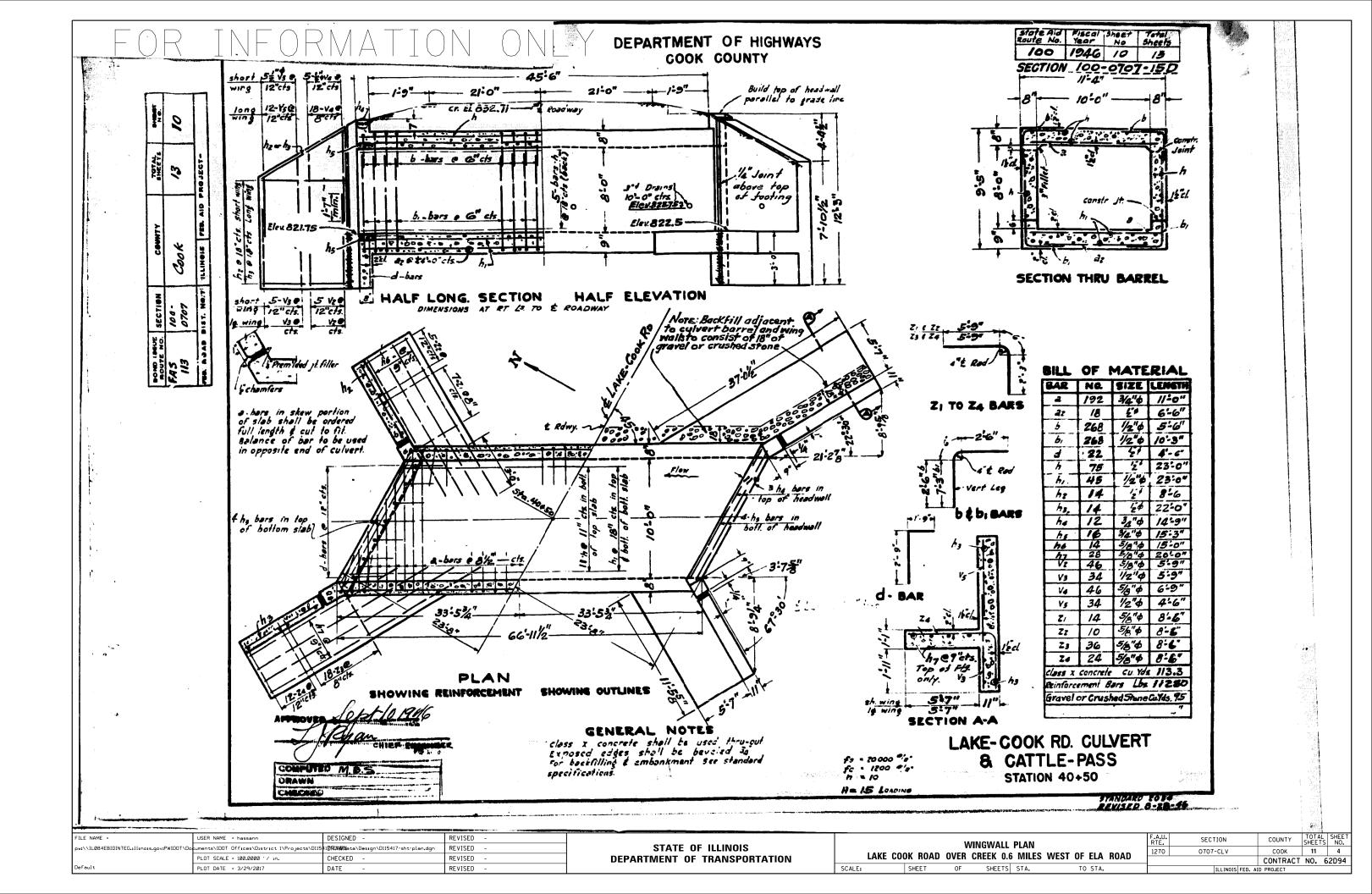
URBUN urean CONSTRUCTION TYPE CODE CONSTRUCTION TYPE CODE SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES 100% State 100% State TOTAL TOTAL COOK LAKE COUNTY COOK LAKE QUANTITIES CODE NO ITEM UNIT QUANTITIES CODE NO ITEM UNIT 0014 0014 0014 0014 50,200 LOO STRUCTUREEXCAVATION CU YD 60 TRAFFIC BARRIER TERMINAL. TYPE 1 € 63100167 EACH 2 (SPECIAL) TANGENT 20400800 FURNISHED EXCAVATION CU YO 63200310 GUARDRAIL REMOVAL FOOT 261 261 21101615 TOPSOIL FURNISH AND PLACE. 4" SO YD 70 70 IMPACT ATTENUATORS (SEVERE USE, NARROW). TEST LEVEL 2 64300750 EACH 2 25000210 SEEDING, CLASS 2A ACRE 0.1 0.1 67100100 MOBILIZATION LSUM 25000400 NITROGEN FERTILIZER NUTRIENT POUND 9 70300904 PAVEMENT MARKING TAPE, TYPE IV 4" FOOT 3200 3200 25000600 POTASSIUM FERTILIZER NUTRIENT POUND * 78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT 1800 1800 25100630 EROSION CONTROL BLANKET SO YD 70 70 PAVEMENT MARKING REMOVAL - WATER BLASTING X0327980 SQ FT 600 600 28000400 PERIMETER EROSION BARRIER FOOT 55 55 X5860110 GRANULAR BACKFILL FOR STRUCTURES CU YD 10.4 10.4 50102400 CONCRETE REMOVAL CU YD 7.7 7.7 TRAFFIC CONTROL AND PROTECTION, (SPECIAL) X7010216 LSUM 50300225 CONCRETE STRUCTURES CU YD 5.9 5.9 X7030005 SQ FT TEMPORARY PAVEMENT MARKING REMOVAL 1070 1070 0,875 50300255 CONCRETE SUPERSTRUCTURE CU YD 1. 75 0,875 TEMPORARY INFORMATION SIGNING Z0030850 SO FT 102.8 102.8 50300300 PROTECTIVE COAT SO YD 23 23 50800205 REINFORCEMENT BARS, EPOXY COATED POUND 830 820 52200020 TEMPORARY SOIL RETENTION SYSTEM SO FT 355 355 STEEL PLATE BEAM GUARDRAIL, TYPE A. 6 £ 63000001 FOOT 123 123 FOOT POSTS LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN 63000350 FOOT 37.5 COUNTY TOTAL SHEET NO.

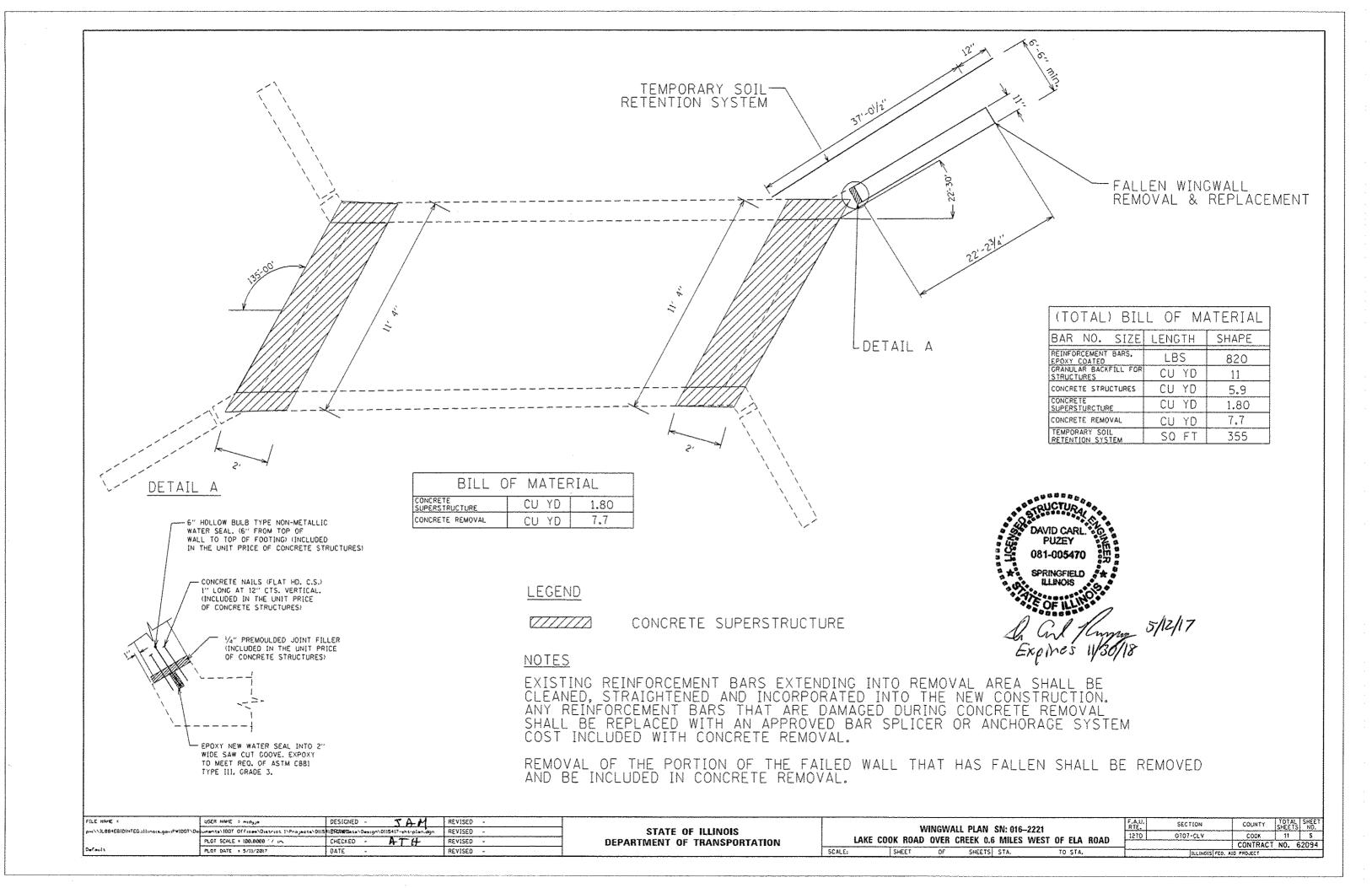
COOK 11 3

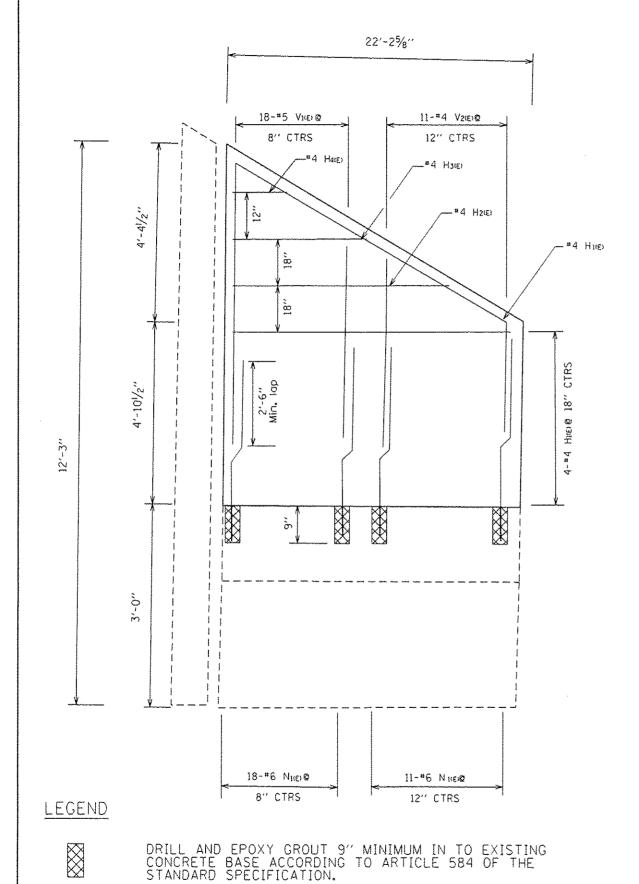
CONTRACT NO. 62D94 ILE NAME DESIGNED -REVISED SECTION SUMMARY OF QUANTITIES STATE OF ILLINOIS NVL094EBIDINTEGJIRNDISGOV/PHIDOTVDDDU OFFICES DESIRED NPTO JOCKS DISSAIT CADDONA Design DISSAIT STORED HISTORY REVISED 1270 0707-CLV LAKE COOK ROAD OVER CREEK 0.6 MILES WEST OF ELA ROAD PLOT SCALE . 100,0000 1/ 10. CHECKED REVISED DEPARTMENT OF TRANSPORTATION PLOT DATE . 4/6/2017 DATE REVISED SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AND PROJECT

16

EV

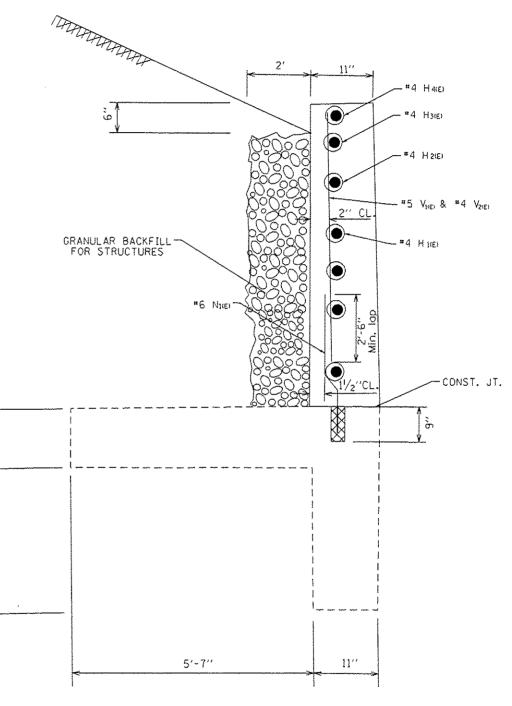






BILL OF MATERIAL BAR NO. SIZE LENGTH SHAPE 29 #6 5'-6" 18 #5 VICE 6-9" VZIE 11 #4 4'-6" 5 #4 22'-0" #4 HZ(E) 15'-1" Haren #4 7'-6" H4(E) #4 2'-5" REINFORCEMENT BARS, EPOXY COATED GRANULAR BACKFILL FOR STRUCTURES LBS 496 CU YD 11 CONCRETE STRUCTURES CU YD 5.9

SECTION A-A



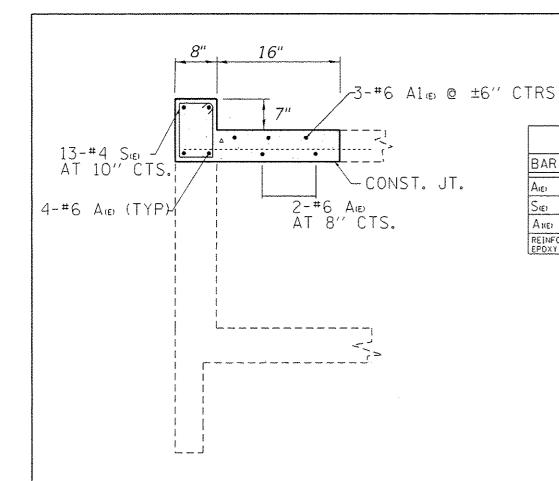
NOTES

EXISTING REINFORCEMENT BARS EXTENDING INTO REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM COST INCLUDED WITH CONCRETE REMOVAL.

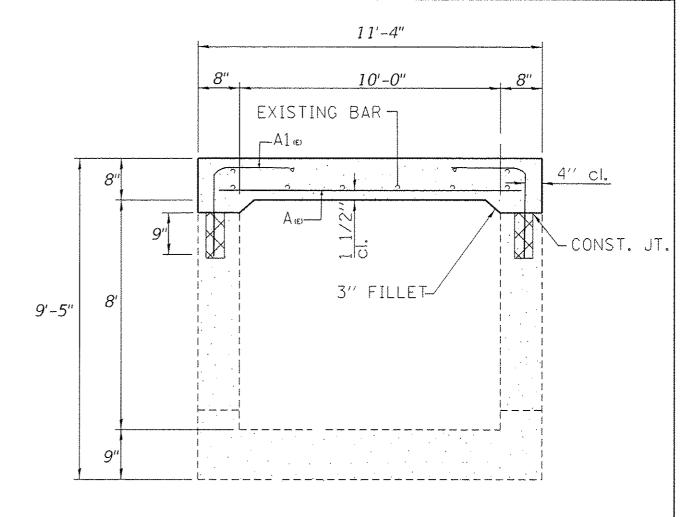
	FILE NAME :	USER NAME = midyjo	DESIGNED -	REVISED -	Γ
	p=1\\IL884E8IQINTEC.::11:no:=.gov;F¥IDDT\00	umante\1007 Officee\Dietrict 1\Projecte\0115	NDACKWillota\Design\0115417-sht-plan.dgn	REVISED -	
i		PLOT SCALE * 100.0000 '/ in.	CHECKED -	REVISED -	
	Default	PLOT DATE + 5/11/2017	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I			W	/INGW/	ALL PLAN	SN: 016-	.2221		***************************************	F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
1		TAKE CO			CREEK 0.6) E E1	A DOAD	1270	0707-CLV	COOK	11	6
ļ		LMIL GO	,	UYLN	-		AAESI					CONTRACT	NO.	2094
.1	SCALEs		SHEET	70	SHEETS	STA.		TO \$1	Α,		ILLINOIS FEO. A	D PROJECT		

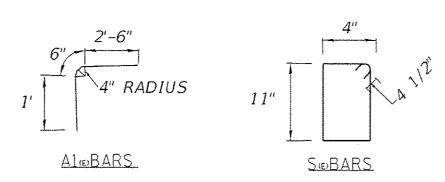


		BA	AR LIST		
BAR	NO.	SIZE	LENGTH	SHAPE	
A _(E)	12	#6	12' 0"		
S(E)	26	#4	3′ 3′′	0	
AIG	12	#5	4′ 0′′		
	RCEMENT COATED	BARS,	LBS	324	



LONGITUDINAL SECTION

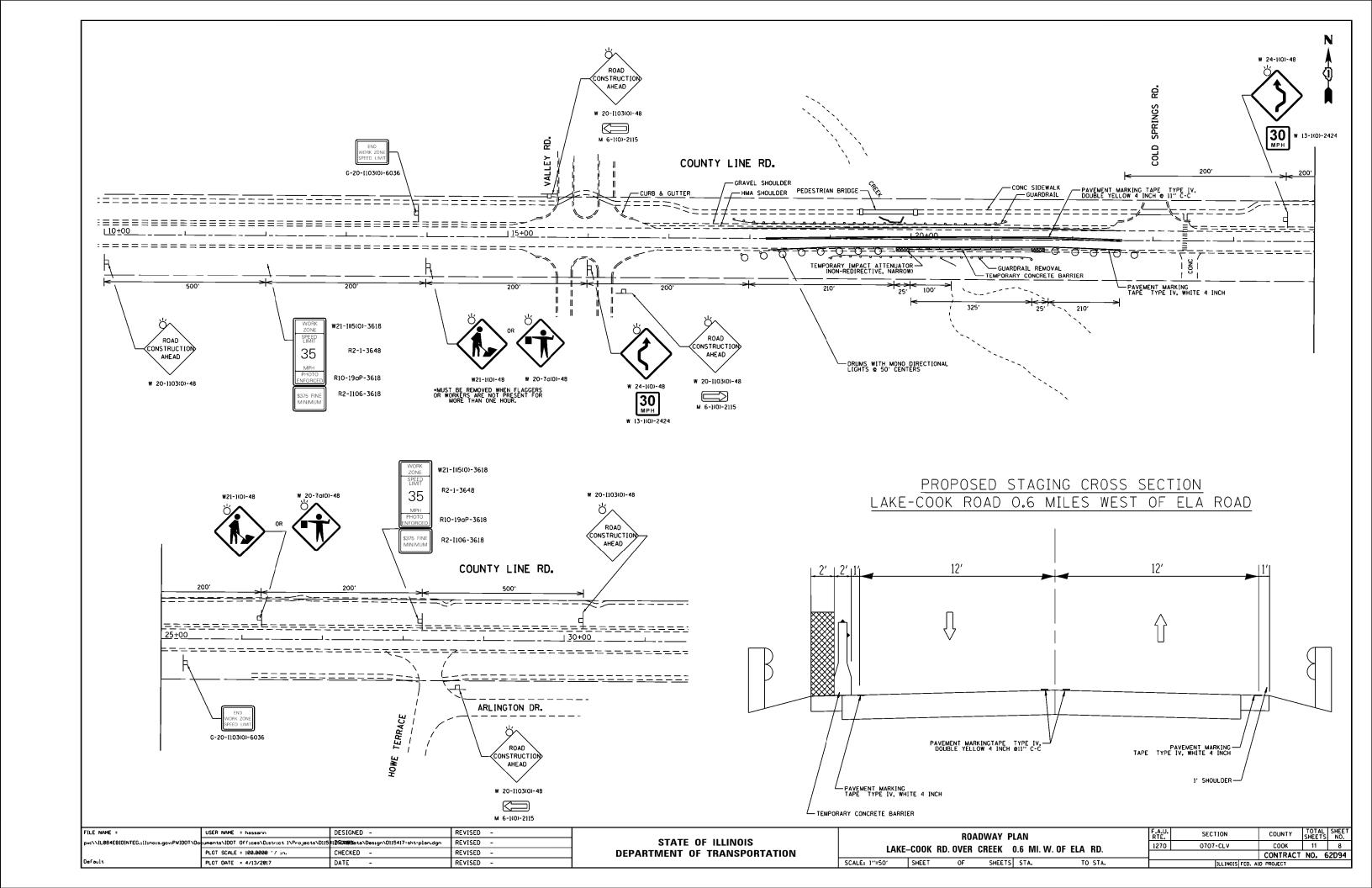
SECTION THRU BARREL (@ RT L'S)

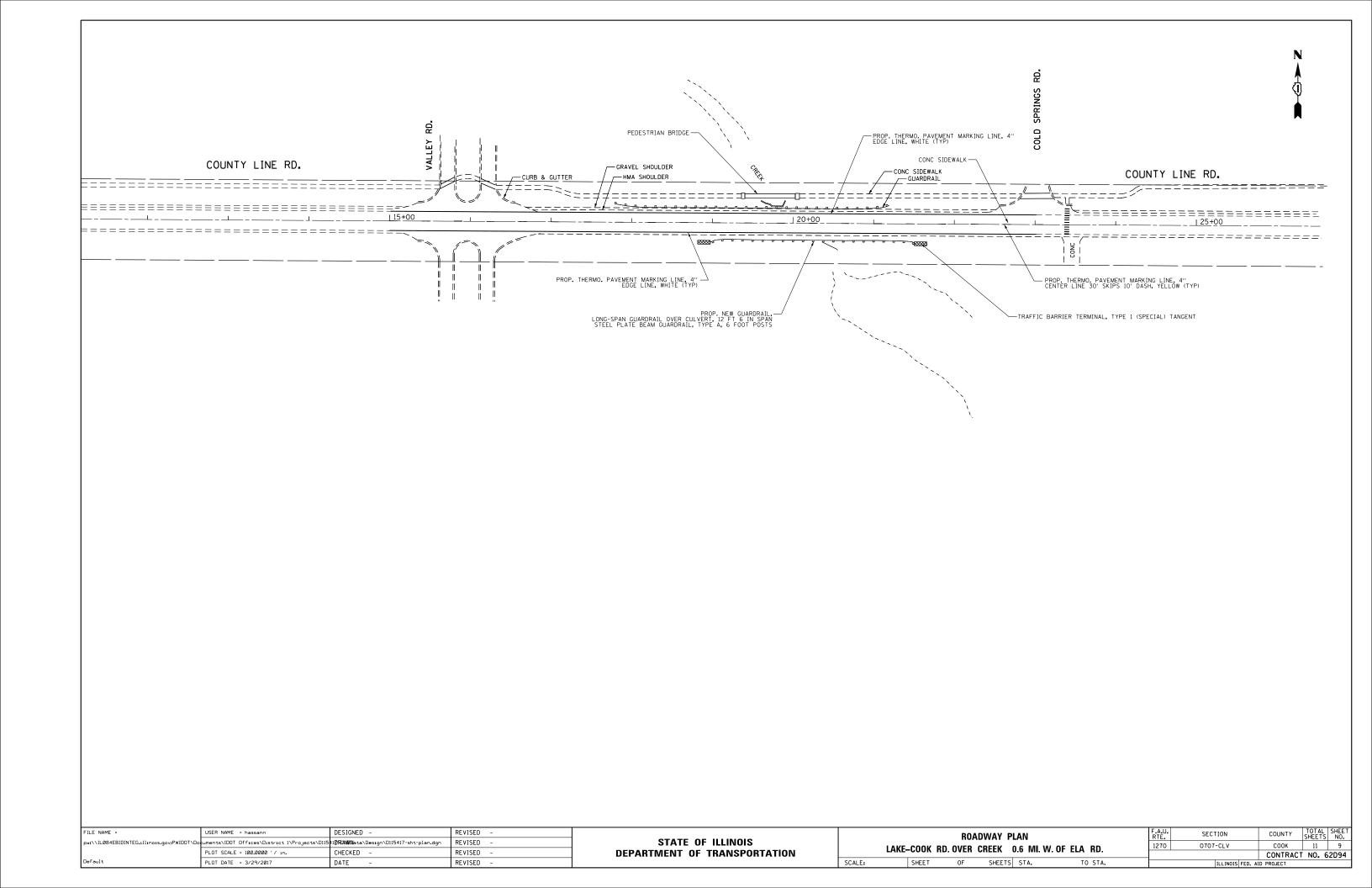


FILE NAME :	USER NAME = hassonn	DESIGNED -	REVISED -
p++\\ILOB4EBIQINTEG.:}};not*.gov;PVIBOT\Do	uments/1007 Offices/District 1/Projects/0115	IDRAWBota\Design\DII5417-sht-plan.dgn	REVISED -
	PLOT SCALE * 100,0000 1/ in.	CHECKED -	REVISED -
Osfault	PLOT DATE + 5/18/2017	DATE -	REVISED -

STATE	0F	ILLINOIS
DEPARTMENT	OF '	TRANSPORTATION

	WINGWALL PLAN SN: 016-2221								F.A.U. RTE,	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1 AVE	COOK ROAD					OE E	C1 A	DOAD	1270	0707-CLV	COOK	1)	7
		OACU			AAESI			NUAU		,	CONTRACT	NO. 6	2094
SCALE:	SHEET	ÐF	SHEETS	STA.		TO 5	STA.			ILLINOIS FED. AL	D PROJECT		





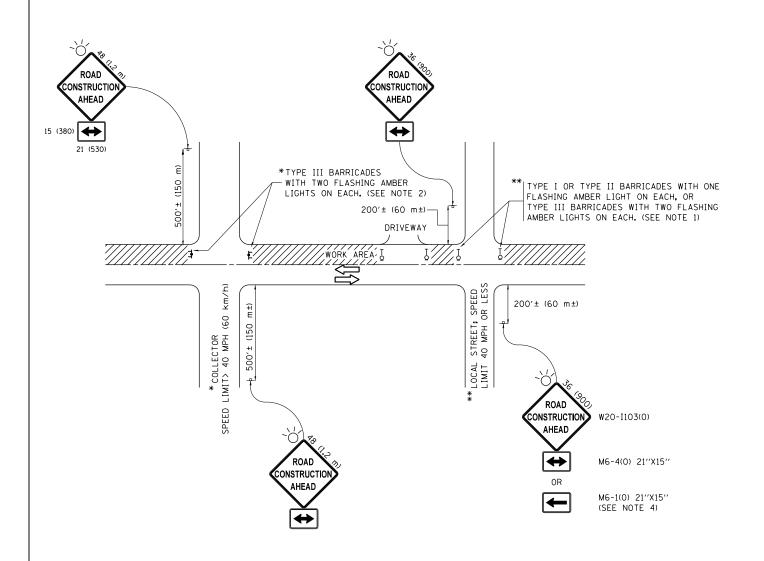
ROUTE FAU 1270		TION L			FAU	1270	CING LOG - Culvert Wing Wall Repair		_ L	Date ogged	4/19 By	OK.
COUNTY Cook Boring No. SB-1C		STRUC'		ook F			-		_			
COUNTY Cook Boring No. SB-1C		STRUC'				, cst o	f Ela Road SEC	Т	WP.	RNG.	P	M
Boring No. SB-1C				10.	016-2		(Exist.)				(P:	rop.)
			ing Me				OT 206-09 Hammer Type Auto	matic	Ham	ımer		
Offset 13' R Ground Surface El. + 95.99 +/- ft		E L E V.	D E P T H	S P T N	U C S Qu (TSF)	M O I S T.	Surf. Wat. El. 85.39 Groundwater Elev.: When Drilling 27 ft at Completion 27 ft After Hrs	E L E V.	D E P T H	S P T N (blows)	U C S Qu	M O I S T.
12" BITUMINOUS CONCRETE PAVEMENT		(141.5.13.)	-	(610113)	(151)	(70)		M.S.L.	18.0	(Diows)	(15F)	(70)
FILL: CLAY, Brown and Some Dark Brown and Gray, Trace Sand and Gra Very Stiff to Medium, Moist	vel, (A-6)	95.0	1.0	2 4 6	3.09 B	17.7	SILTY CLAY, Gray, Trace Sand and Gravel, Stiff, Moist (A-4) (Interbedded Silt Lenses)	77.5	19.0	4 4 5	1.32 B	17.3
			3.0	7			(LL=22; PL=15; PI=7) CLAY, Gray, Trace Sand and Gravel, Stiff, Moist	75.0	20.0	5		
			5.0	6	2.50 P	20.8	(A-6)		22.0	6 7	1.57 B	16.7
			7.0	4 6 8	0.91 B	23.5			24.0	5 6	1.24 B	16.6
CLAY, Dark Brown and Gray, Trace and Gravel, Stiff, Moist	Sand (A-6)	87.5	8.0 9.0	3 4	1.24	24.9	(Saturated Below 27 feet)	69.0	26.0	5	1.75 P	13.2
			10.0	4	В		SAND AND GRAVEL, Gray, Medium Dense, Saturated (A-1-b) CLAY, Gray, Little Sand, Medium, Moist (A-6)	68.6	28.0	12		
CLAV Drawn and Cray Twee Blade		83.5	12.0	6 8 11	1.65 B	24.2	End of Daning @ 20 Fact	66.0	29.0 ⁻ - 30.0 ⁻	6 8 10	0.82 B	17.2
CLAY, Brown and Gray, Trace Black, Trace Sand and Gravel, Trace Roots, Stiff, Moist (L=42; PL=19; PI=23)	Very A-7-6)		13.0	2			End of Boring @ 30 Feet Note: 1. Boring elevations are shown in feet with respect to a temporary benchmark at the		31.0			
			15.0	3 4	2.06 B	27.9	sité. The temporary benchmark is the Northwest side of the bottom flange of the existing fire hydrant at the Northwest corner of Coldspring Road and Main Street Intersection with relative assumed elevation of +100.00 feet.		32.0			
			16. <u>0</u> - 17. <u>0</u>	5 7 11	2.68 B	22.4	2. Southside culvert invert elevation is +85.087 ft.3. Water level is +85.39 ft.		34.0			

(QU)B=Bulge S=Shear P=Penetrometer Test

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bulge S=Shear P=Penetrometer Split Spoon Sampler 24" with 140lb hammer falling 30" DRILL RIG: D-50 4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 10612G-16

FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED -		SOIL BORING LOG		F.A.U. RTF	SECTION	COUNTY	TOTAL	SHEET				
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\ID	DT Offices\District 1\Projects\D115417\CADData\Design\D11541	7-£DRAAWMsn -	REVISED -	STATE OF ILLINOIS	l .			1270	0707-CLV	соок	11	9A			
	PLOT SCALE = 100.0000 * / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	LAKE-COOK RD. OVER CREEK 0.6 MI. W. OF ELA RD.			W. OF ELA RD.			CONTRAC	CT NO.	62D94		
Default	PLOT DATE = 5/3/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	S STA.	TO STA.		ILLINOIS FED.	AID 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 x 48 (1.2 m x 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 HEIGHT
- 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.

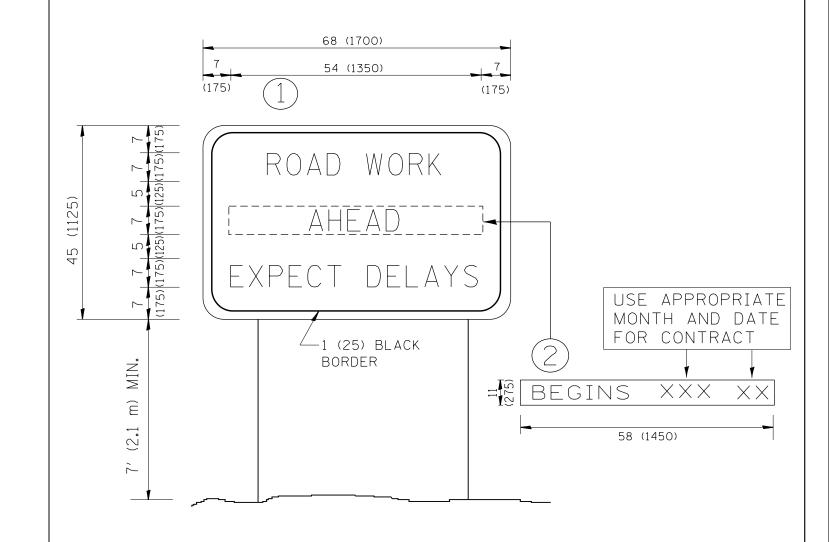
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = hassann	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\\ILØ84EBIDINTEG.:ll:no:s.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\D115	10RCAW Nata\Design\Diststd.dgn	REVISED -T. RAMMACHER 01-06-00
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
Default	PLOT DATE = 3/29/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTA	NOITA

				TION FOR DRIVEWAYS	
SHEET 1	OF :	1 SHEETS	STA.	TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHE		
1270	0707-CLV	соок	11	10		
	TC-10	CONTRACT	NO. 6	2D94		
	ILLINOIS FED. A	ID 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.

Γ	FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED -	R. MIRS 09-15-97			ARTERIAL ROA	ΔD		F.A.U. RTF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	pw:\\IL084EBIDINTEG.:ll:no:s.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\D115	10ROWNata\Design\Diststd.dgn		R. MIRS 12-11-97	STATE OF ILLINOIS		INFORMATION SIGN		1270	0707-CLV	соок	11	11	
		PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -T.	RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION						TC-22	CONTRACT	NO. 62	:D94
		PLOT DATE = 3/29/2017	DATE -	REVISED -	C. JUCIUS 01-31-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1		JIST. NO. 1 ILLINOIS FED. AI	FED. AID PROJECT		-	