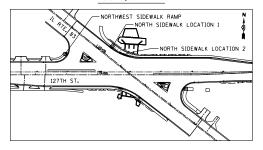
NORTHWEST SIDEWALK RAMP

STANDARD 424001

POINT	STATION	OFFSET	SW ELEV	TC ELEV
Α	114+30.77	79.66 RT	602.16	602.66
В	114+31.47	87.71 RT	602.10 602.	
С	114+34.30	77.72 RT	602,10	602,50
D	114+39.04	86.48 RT	601.99	602.12
E	114+36.47	87.87 RT	602.03	602.20
F	114+38.69	75.31 RT	601.85	602.14
G	114+43,44	84.10' RT	601.74	602.00
Н	114+41.73	73.65 RT	601.80	602.25

LOCATION MAP



LOCATION 1

PROPOSED -MULTIPURPOSE PATH

DETECTABLE WARNING (TYP)

POINT	STATION	OFFSET	OFFSET SW ELEV	
А	115+34.71	41.62 LT	602.40	-
В	115+45.86	41.62' LT	602.40	-
С	115+34.71	31.62 LT	602,55	602,95
D	115+45.86	31.62 LT	602,55	602,95
Ε	115+32.72	27.58 LT	602.72	603,12
F	115+44.02	27.90' LT	602.70	603.10

NORTH SIDEWALK RAMPS

LOCATION 2

PROPOSED SIDEWALK (TYP)-

LOCATION 1 STANDARD 424001

POINT	STATION	OFFSET	SW ELEV	TC ELEV
Α	115+68.82	42.56 LT	602.40	-
В	115+93.64	48.05 LT	602.40	-
С	115+70,34	31.62 LT	602,61	603,01
D	116+00,90	41.62 LT	602,49	-
Ε	115+95.74	41.62 LT	602,50	-
F	115+60.09	31.62 LT	602.55	602.90
G	115+59.59	41.78 LT	602.40	-
K	115+50.86	31.62' LT	602.55	602.90
L	115+50.86	41.62 LT	602.40	-
М	115+98.14	49.62 LT	602.40	-
N	116+00.36	43.57 LT	602.50	-
0	116+02.59	51.35' LT	602.40	-
Р	116+04.92	45.66 LT	602.50	-

LEGEND

PROPOSED DEPRESSED CURB AND GUTTER



TURNING SPACE

TOP OF CURB ELEVATION SIDEWALK ELEVATION

GUTTER DRAINAGE PATTERN

FLOW SUMMIT

xxx.xx fL^{\times} gutter flow line elevation

XXX.XX EOP EDGE OF PAVEMENT ELEVATION

NOTES:

LOCATION 2 STANDARD 424001

STATIONS AND OFFSETS REFERENCE PROPOSED CAL SAG RD (IL RTE 83) CENTERLINE

SEE INTERSECTION DETAIL SHEET 85 FOR PROPOSED DETAILS WITHIN THE LIMITS OF THE INTERSECTION AND CURB RAMPS.

COLLINS FNGINFERS	USER NAME : ztenner	DESIGNED - DSH	REVISED -
		DRAWN - DSH	REVISED -
	PLOT SCALE = 10.00000 ' / in.	CHECKED - RAG	REVISED -
LINGIINELIGE	PLOT DATE = 5/4/2021	DATE -	REVISED -

ı	IL ROUTE 83 (6	CAL SAG F	ROAD)	OVER TIN	LEY CF	REEK (AT 127TH STREET)	F.A.I. RTE.	SECTION	COUNTY	SHEETS	SHEET NO.
ı		PROPOSED				- NORTH	344	3034B&N-2	COOK	207	101
ı									CONTRACT	NO. 6	60X74
	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		

NORTHWEST ISLAND

STANDARD 424001

50.74 RT 602.42 602.42 114+83.45 114+86.90 60.25' RT 602.47 602.47 602.49 114+88.26 49.41 RT 602.47 602.87 49.41 RT 602.55 602,95 602.62 603.02 114+97.88 58.17 RT 602.64 603.04 114+94.73 49.41 RT 602.61 603.01 602.24 602.24 114+97.96 602.39 602.39 115+06.21 48.74 RT 602.76 603.16

53.17 RT 602.67

602.57

58.17 RT 602.54 602.54

53.17 RT

603.07

602.57

DESIGNED - DSH

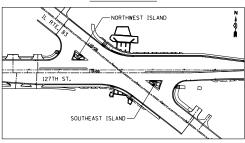
DRAWN - DSH

CHECKED - RAG

DATE

OFFSET SW ELEV TC ELEV

LOCATION MAP



NOTES:

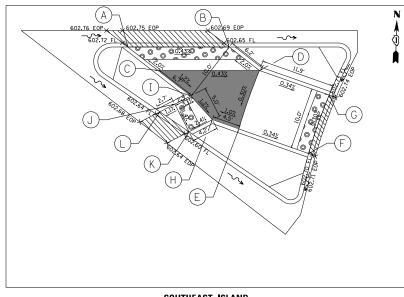
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REVISED.

- STATIONS AND OFFSETS REFERENCE PROPOSED CAL SAG RD (IL RTE 83) CENTERLINE
- 2. SEE INTERSECTION DETAIL SHEET 85 FOR PROPOSED DETAILS WITHIN THE LIMITS OF THE INTERSECTION AND CURB RAMPS.



SOUTHEAST ISLAND

STANDARD 424001

POINT	STATION	OFFSET	SW ELEV	TC ELEV
Α	117+31.48	32.37' LT	602.76	602.76
В	117+44.41	42.35' LT	602.69	602.69
С	117+37,64	32,36 LT	602,88	603,28
D	117+50,57	42.34 LT	602,81	603.21
Ε	117+53,70	32.84 LT	602.78	603.18
F	117+65.00	36.57 LT	602.74	602.74
G	117+61.87	46.07 LT	602.77	602.77
Н	117+49.40	31,42' LT	602.74	603.14
I	117+44.31	32,35' LT	602.80	603.20
J	117+43.08	29.72' LT	602.71	603.11
K	117+47.60	27.59' LT	602.64	602.64
L	117+41.93	27.28' LT	602.68	602.68

LEGEND



PROPOSED DEPRESSED CURB AND GUTTER



TURNING SPACE

TOP OF CURB ELEVATION SIDEWALK ELEVATION

GUTTER DRAINAGE PATTERN

FLOW SUMMIT

xxx.xx fL^{\times} gutter flow line elevation

00777	USER NAME = ztenner
COLLINS	
ENGINEERS	PLOT SCALE = 10.0000 ' / in.
LINGIINLLIGE	DI OT DATE - E (4/2021

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

IL ROUTE 83					REEK (AT 127TH STREET) – ISLANDS
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
344	3034B&N-2	COOK	207	102		
		CONTRACT	NO. 6	0X74		
ILLINOIS FED. AID PROJECT						

POINT

STATION

115+04.02

115+10.06

115+03.92

SOUTH SIDEWALK RAMP - LOCATION 1

STANDARD 424001

POINT	STATION	OFFSET	SW ELEV	TC ELEV
Α	116+37.88	59.38' RT	602.75	602.75
В	116+51.19	53.62 RT	602.82	602.82
С	116+53.68	60.16' RT	603.07	-
D	116+40.94	65.68 RT	603.00	-
Ε	116+36.66	67.83 RT	603.08	-
F	116+33.42	61.63 RT	603.15	603.15
G	116+29.02	64.01 RT	603.17	603.17
Н	116+32.45	70.11 RT	603.10	-
I	116+58,19	58.51 RT	603,17	-
J	116+55.88	51.90 RT	603.24	603.24
K	116+60.63	50.33 RT	603.32	603.32
L	116+62,73	57.01 RT	603,25	-
М	116+56.54	53.79 RT	603.22	-
N	116+51.90	55.49 RT	602.98	-
0	116+38.76	61.18 RT	602.91	-
Р	116+34.34	63.40 RT	603.13	-

SOUTH SIDEWALK RAMP - LOCATION 2

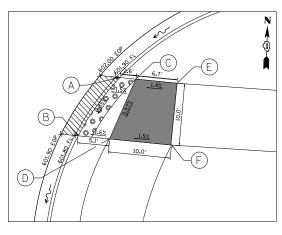
STANDARD 424001

POINT	STATION	OFFSET	SW ELEV	IC ELEA	
Α	117+08.60	42.60 RT	603.08	603.08	
В	117+15.23	42.58 RT	603.00	603.00	
С	117+15.23	49.58' RT	603.20	-	
D	117+08.70	49.60' RT	603.28	-	
E	117+08.63	44.60' RT	603.22	-	
F	117+15.23	44.58 RT	603.14	-	
G	117+20.23	42.58 RT	603.33	603.33	
Н	117+20.23	44.58' RT	603.31	-	
I	117+20.23	49.58 RT	603,26	-	
J	117+25.23	49.58 RT	603.33	-	
К	117+25.23	42.58 RT	603.40	603.40	
L	117+03.60	42.75 RT	603,43	603.43	
М	117+03.69	44.74 RT	603.41	-	
N	117+03.91	49.74 RT	603.36	-	
0	116+98.61	43.04' RT	603.50	603.50	
Р	116+99.12	49.91 RT	603.43	-	

	TC ELEV	SW ELEV	OFFSET	STATION
	603.08	603.08	42.60 RT	117+08.60
	603.00	603.00	42.58 RT	117+15.23
	-	603.20	49.58 RT	117+15.23
	-	603.28	49.60 RT	117+08.70
	-	603.22	44.60 RT	117+08.63
	-	603.14	44.58 RT	117+15.23
_	603.33	603.33	42.58 RT	117+20.23
	-	603.31	44.58 RT	117+20.23
	-	603,26	49.58 RT	117+20,23
	-	603.33	49.58 RT	117+25.23
	603.40	603.40	42.58 RT	117+25.23
	603,43	603,43	42.75 RT	117+03.60
	-	603.41	44.74 RT	117+03,69
LOCAT	-	603.36	49.74 RT	117+03,91
	603.50	602.50	42 04L DT	110.00.01

NOTES:

- STATIONS AND OFFSETS REFERENCE PROPOSED CAL SAG RD (IL RTE 83) CENTERLINE
- 2. SEE INTERSECTION DETAIL SHEET 85 FOR PROPOSED DETAILS WITHIN THE LIMITS OF THE INTERSECTION AND CURB RAMPS.



SOUTHEAST SIDEWALK RAMP

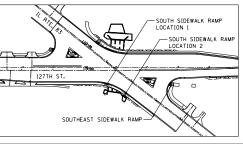
STANDARD 424001

POINT	STATION	OFFSET	SW ELEV	TC ELEV
A	118+06.02	73.29' LT	601.94	601.94
В	118+06.42	61.75' LT	601.84	601.84
С	118+08.20	74.65' LT	601.98	
D	118+10.73	64.44 LT	601.92	
Ε	118+13.85	78.18' LT	602.07	
F	118+19.24	69.76' LT	602.07	-

LEGEND

PROPOSED DEPRESSED CURB AND GUTTER

ON MAP



TURNING SPACE

TOP OF CURB ELEVATION SIDEWALK ELEVATION

GUTTER DRAINAGE PATTERN FLOW SUMMIT

xxx.xx fL^{\times} gutter flow line elevation

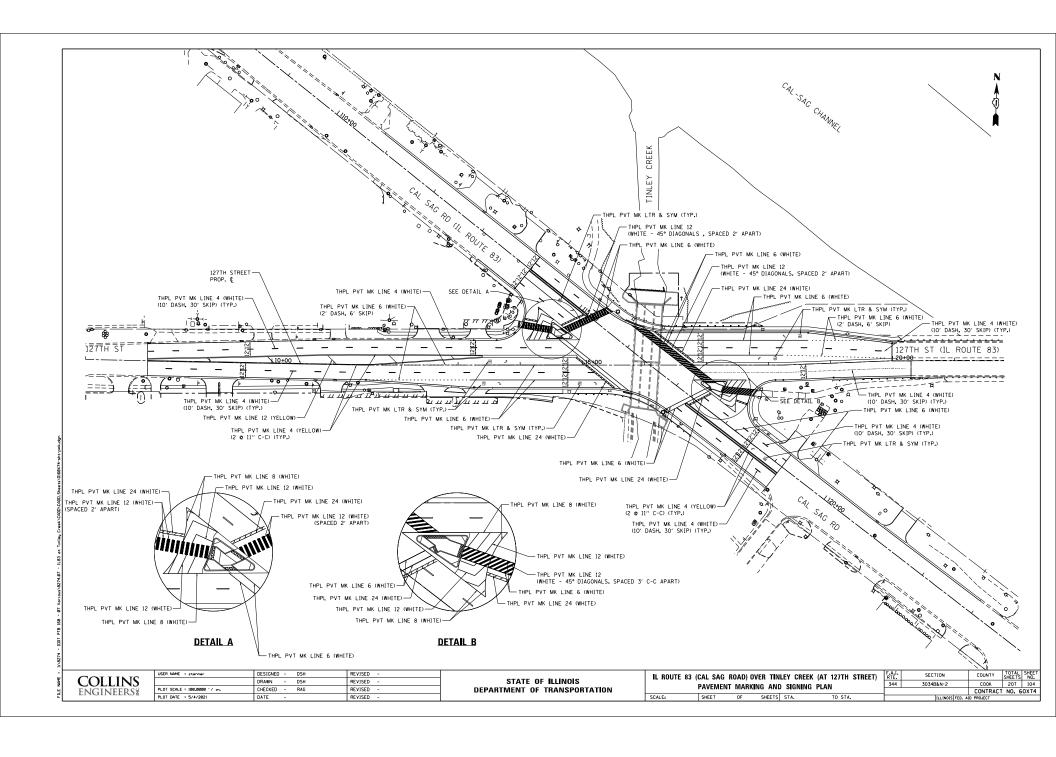
XXX.XX EOP EDGE OF PAVEMENT ELEVATION

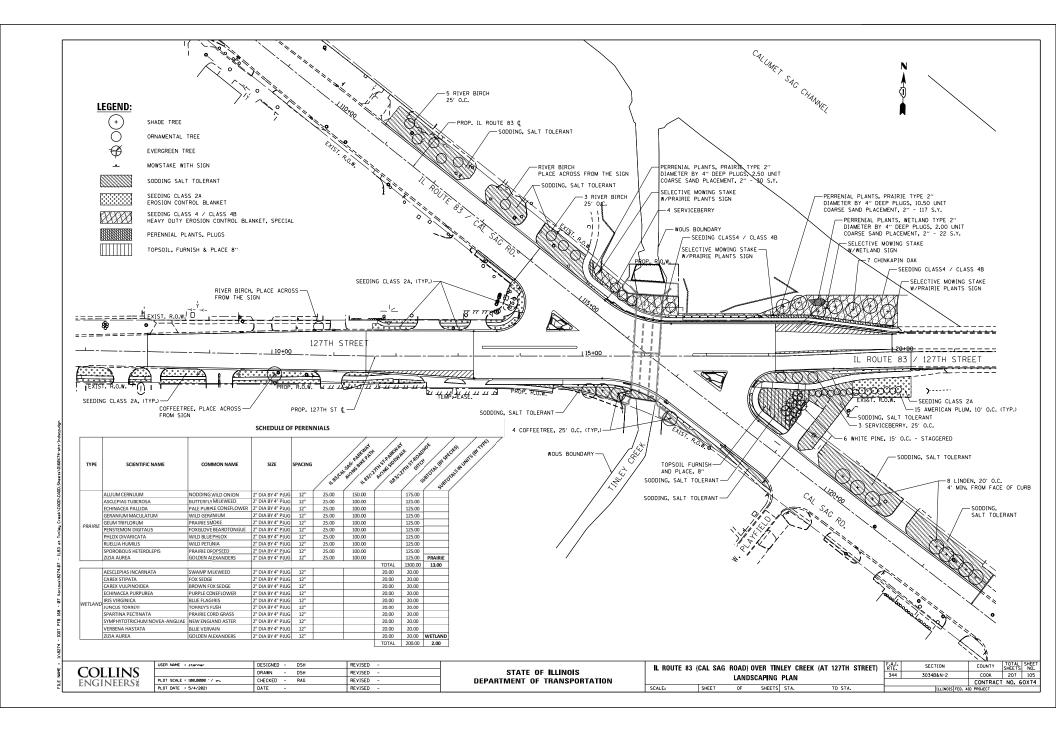
COLLINS ENGINEERS²

USER NAME : ztenner	DESIGNED	-	DSH	REVISED -
	DRAWN	-	DSH	REVISED -
PLOT SCALE = 10.00000 ' / sn.	CHECKED	-	RAG	REVISED -
PLOT DATE = 5/4/2021	DATE	-		REVISED -

IL ROUTE			OVER TINI RAMP DE		EK (AT 127TH STREET) SOUTH
SCALE:	SHEET	0F	SHEETS	STA.	TO STA.

344				NO.
344	3034B&N-2	COOK	207	103
		CONTRACT	NO. 6	0X74
	ILLINOIS FED. A	D PROJECT		





]	TRAFFIC SIGNAL LEG	END			
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	LTEM	EXISTING	<u>PROPOSED</u>
CONTROLLER CABINET	\boxtimes	\blacksquare	HANDHOLE -SQUARE		N 0	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		R R
COMMUNICATION CABINET	ECC	CC	-ROUND			WY TROOKAMMABLE STOYAL HEAD		R R Y Y G G G G #Y ##Y ##G
MASTER CONTROLLER	EMC	MC	HEAVY DUTY HANDHOLE -SQUARE -ROUND	H (b)	⊞ 19			€G €G
MASTER MASTER CONTROLLER	EMNC	ммс	DOUBLE HANDHOLE	N	N.	SIGNAL HEAD WITH BACKPLATE		
UNINTERRUPTABLE POWER SUPPLY	3	3	JUNCTION BOX		0	-(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		R R Y
SERVICE INSTALLATION -(P) POLE MOUNTED	- <u>-</u> -	- - P	RAILROAD CANTILEVER MAS		I CI I			G G G G G G G G G G G G G G G G G G G
SERVICE INSTALLATION	C CM	C CM	RAILROAD FLASHING SIGNA		X+X		P RB	P RB
-(G) GROUNE MOUNTED -(GM) GROUND MOUNTED METERED	$\boxtimes^{G}\boxtimes^{GM}$	⊠ ^G ⊠ ^{GM}	RAILROAD CROSSING GATE RAILROAD CROSSBUCK	X⊕X>	X• ⊁- > x -	PEDESTRIAN SIGNAL HEAD	© A	•
TELEPHONE CONNECTION	ET	T		₹ 		AT RAILROAD INTERSECTIONS		<u>*</u>
STEEL MAST ARM ASSEMBLY AND POLE	O	•—	RAILROAD CONTROLLER CAE UNDERGROUND CONDUIT (UC	_	₽₫	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	(€) C (6)	₽ c ★ □
ALUMINUM WAST ARM ASSEMBLY AND POLE			GALVANIZED STEEL			ILLUMINATED SIGN		
STEEL COMEINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	o <u>₩</u>	•*	TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			"NO LEFT TURN"/"NO RIGHT TURN"		9
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY	0	 ● BM 	SYSTEM ITEM	S	SP	NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE.	_5_	
WOOD POLE	8	Θ	INTERSECTION ITEM	I	IP	ALL DETECTOR LOOP CABLE TO BE SHIELDED GROUND CABLE IN CONDUIT,	~	
GUY WIRE	>-	>-	REMOVE ITEM RELOCATE ITEM		R RL	NO. 6 SOLID COPPER (GREEN)	- 1#6 -	(1*6)
SIGNAL HEAD	>	-	ABANDON ITEM		A.	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	<u>—</u> (1)—	- 1)
SIGNAL HEA) WITH BACKPLATE	+t>	+►	CONTROLLER CABINET AND		RCF	COAXIAL CABLE	<u> </u>	—(c)—
SIGNAL HEA) OPTICALLY PROGRAMMED	-⊳° +⊳°	→ P + → P	FOUNDATION TO BE REMOV	ED	RCF			Ü
FLASHER INSTALLATION	o⇔ ^F o⇔ ^{FS}	•► FS	MAST ARM POLE AND FOUNDATION TO BE REMOV	ED	RMF	VENDOR CABLE	_ V_	
-(FS) SOLAR POWERED	⊕⊳ ^F ⊕⊳ ^{FS}	₽ F ₽₽FS	SIGNAL POST AND FOUNDATION TO BE REMOV	ED	RPF	COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	<u>6*18</u>	
PEDESTRIAN SIGNAL HEAD	-0	-1	DETECTOR LOOP, TYPE I	E1 (O		FIBER OPTIC CABLE -NO. 62.5/125, MM12F		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			PREFORMED DETECTOR LOO	P [5] (6)	P P	-NO. 62.5/125. MM12F SM12F -NO. 62.5/125, MM12F SM24F		
RADAR DETECTION SENSOR		r.■	SAMPLING (SYSTEM) DETEC	TOR $\left[\overline{S} \right] = \left(\overline{S} \right)$	S S		—(36F)—	—(36F)—
VIDEO DETECTION CAMERA	(V)□	Ţ.	INTERSECTION AND SAMPLI (SYSTEM) DETECTOR	ING $\{\widetilde{\underline{i}}\widetilde{\underline{s}}\}$ $(\widehat{i}\widetilde{\underline{s}})$	IS (S)	CROUND DOD		
RADAR/VIDED DETECTION ZONE	 		QUEUE AND SAMPLING (SYSTEM) DETECTOR	[<u>0</u> §] (<u>0</u> §)	os os	GROUND ROD -(C) CONTROLLER -(M) MAST ARM	‡ ^C † † † † S	† † † † * †
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	₽TZ¶	WIRELESS DETECTOR SENSO	OR W	0	-(P) P0ST -(S) SERVICE		
EMERGENCY VEHICLE LIGHT DETECTOR	\bowtie	~	WIRELESS ACCESS POINT				MARKANANIAN COMPANIAN COMP	100000
CONFIMATION BEACON	o-(1	⊷ 1						
WIRELESS INTERCONNECT	o +1 	•					\$ 062-064	D
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR					PROFESSIO ENGINEE OF	R S A S A S A S A S A S A S A S A S A S
FILE NAME : USER NAME : placeancie.	DESIGNED -	- IP REVISED -				DISTRICT ON	RASHESHKUMAR E LICENSE NO.: 062- EXPIRES: 11-30-202 SHEETS: 106-127	9/2021 D. PATEL, P.E. DATE 064617
St.WP\Dasgn\lovan\SamplePlans-D0.AOT.US	idgn DRAWN - CHECKED -	- IP REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATIO		DISTRICT ONE INDARD TRAFFIC SIGNAL DESIGN DETAILS HEET 1 OF 7 SHEETS STA. TO STA.	1587 3034B8 TS-05	

- 1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER.
 ALL ADJACENT SIEES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT
 FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE
 DETECTION.
- 3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LCCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- 4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- 6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- 7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP *1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

вск

10-28-09

REVISED

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REVISED

DESIGNED - DAD

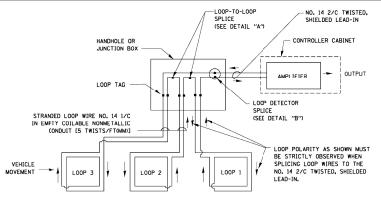
CHECKED - DAD

DRAWN

DATE

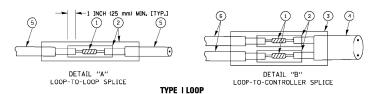
PLOT SCALE = 50.0000 '/ in

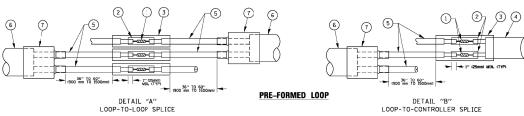
PLOT DATE = 1/13/2014



DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.





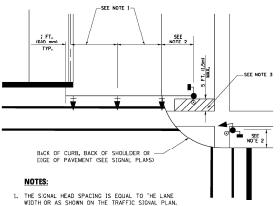
LOOP DETECTOR SPLICE

- (1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDE) CABLE.

- (5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- (6) PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR
 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL
- 750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE. UBREAKOUT SEALS, TYCO CBR-2 OR APPROV

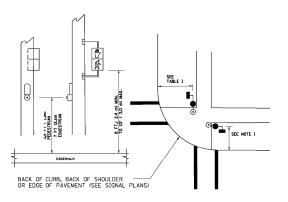
DISTRICT ONE						F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	STANDARD	TDACE	CIGNAL	DEGICAL	DETAILS			1587	3034B&N	COOK	207	107
	STANDARD	IRAITI	JOHAL	DESIGN	DLIMILS				TS-05	CONTRACT	NO. 6	0X74
SCALE: NONE	SHEET NO. 2	OF 7	SHEETS	STA.	T	O STA		FED. R	OAD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT		

FILE NAME :



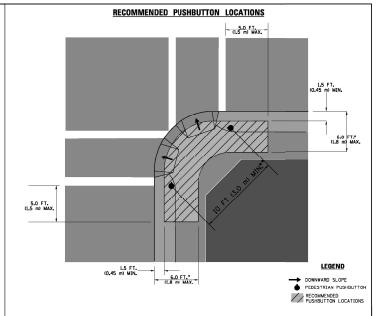
- 2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 3. PROVIDE A LEVEL ALL-WEATHER SURFACE CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SCHALL POST
- THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PIDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MIJCO AND INFORMATION FOUND IN THE "AMERICANS WITH DISABLITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

- 1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
- 2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAM POST OR THE PEDESTRIAN PILSH BUITTON POST.
- 3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
- 4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL WEET THE REQUIREMENTS OF THE MUTCO AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT 10.45 mJ AND 6 FT 1.18 mJ FROM THE EDGE OF THE CURB, SHOULDER, OR PAYEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT 13 mJ FROM THE EDGE OF CURB, SHOULDER, OR PAYEMENT.
- -- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSES TOCETHER OR ON THE SAME POLE.

NOTES:

- PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 'O FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK
- THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST B FT 2.4 m) BUT NOT MORE THAN 19 FT 15.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
- 3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL TACE LOCATED OVER ANY PORTION OF A HIGHWAY SIALL DE ACCORDING TO CURRENT STATE STANDARDS 877001, 877001, 877006, 877011 AMD 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT, (5.5 m) FROM THE HIGHEST POINT OF PAYEMENT.
- 4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A WIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
- 5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

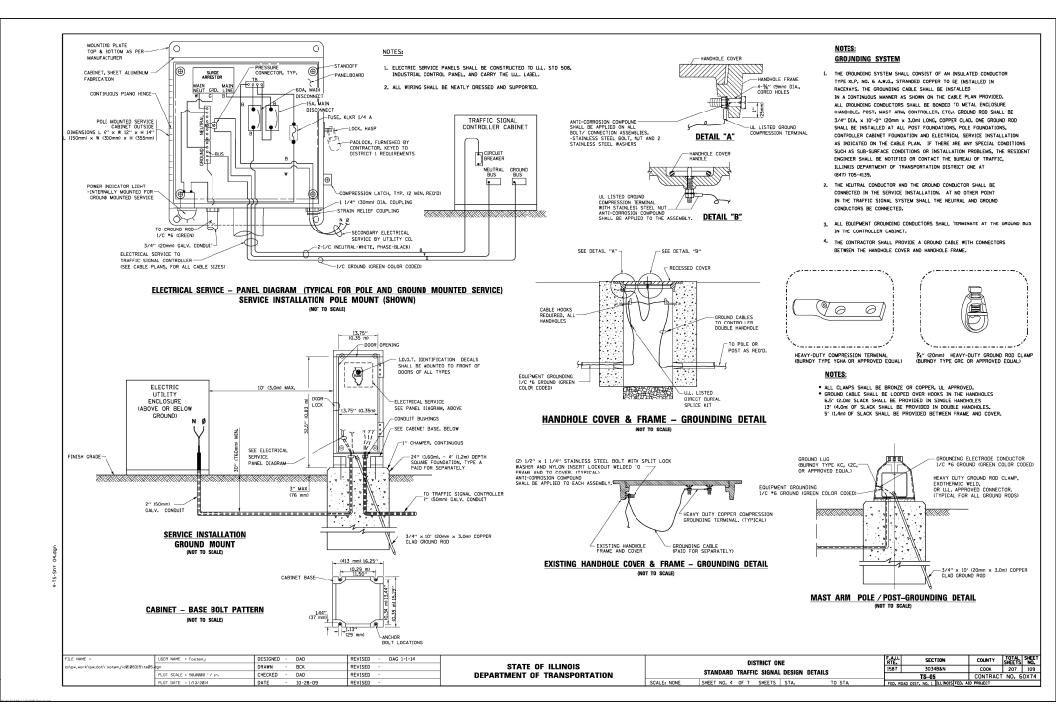
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (O.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

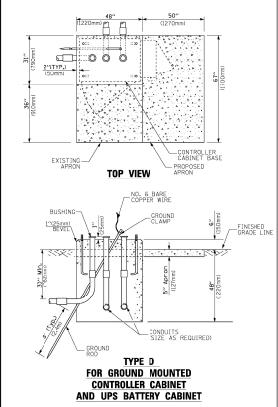
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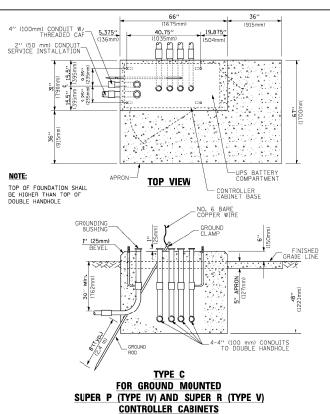
- CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
- 2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
- 3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
- 4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT "THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROFOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

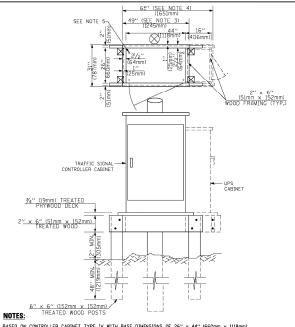
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		DIS	TRICT ON	ΙE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	STANDARD '	FDAEEL	CICNAL	DEGICAL	DETAILS	1587	3034B&N	COOK	207	108
	JIANUANU	i nou i i	JOHAL	DESIGN	DETAILS		TS-05	CONTRACT	NO. 6	0X74
SCALE: NONE	SHEET NO. 3	OF 7	SHEETS	STA.	TO STA	FED. R	DAD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT		









- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm).
 ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- 5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- 6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	C.6
MAST ARM	2.0	C.6
CONTROLLER CABINET	1.5	C.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	C.5
GROUND CA3LE (SIGNAL POST, MAST ARM, CABINET)	1.5	C.5
GROUND CA3LE (BETWEEN FRAME AND COVER)	5.0	1.6
	HANDHOLE DOUBLE HAMBHOLE SIGNAL POST MAST ARM CONTROLLE CABINET FIBER OPTE AT CABINET ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION) GROUND CABLE (SIGNAL POST, MAST ARM, CABINET) GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	HANDHOLE 6.5

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD)		
(L = MAST ARM LENGTH - [ISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.C+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	0.3
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT	3.0	1.0

VERTICAL CABLE LENGTH

CABLE SLACK

METER	FOUNDATION
	TYPE A - Signal Post
6.C+L	TYPE C - CONTROLLER W/ UPS
4.0	TYPE D - CONTROLLER
2,0	SERVICE INSTALLATION.
4.1	GROUND MOUNT,
4.1	TYPE A - SQUARE
2.0	

DEPTH OF FOUNDATION

① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
11'-0" 3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
15'-0" (4,6 m)	36" (900mm)	30" (750mm)	12	7(22)
21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)
	10'-0" (3.0 m) 13'-6" (4.1 m) 11'-0" 3.4 m) 13'-0" (4.6 m) 15'-0" (4.6 m)	Depth Diameter Dia	Digoth Diameter Diameter	Digneth Digneter Digneter Robar's

NOTES:

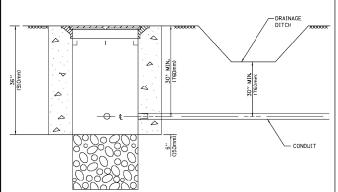
DEPTH
4'-0" (1.2m)
4'-0" (1.2m)
4'-0" (1.2m)
4'-0" (1.2m)

- These foundation depths are for sites which have cohesive soils (aloyey sit, sondy clay, etc.) along
 the length of the short, with an overage blackfillowing site strength (Qu) > 1.0 fsf (QO) kpd.
 This strength sholl be verified by boring and prior to construction or with testing by the Engineer
 during foundation of Illing. The Bursou of Bridges & structures should be contacted for a revised
 design if other conditions are encountered.
- 2. Combination mast arm assembles under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination most arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
- 4. For most arm assembles with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 5 OF 7 SHEETS STA. TO STA.	FED. ROAD	D DIST. NO. 1 ILLINOIS FED. A	D PROJECT	

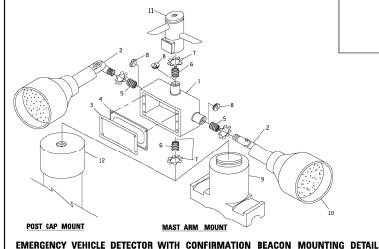
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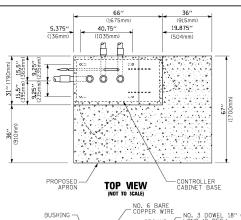


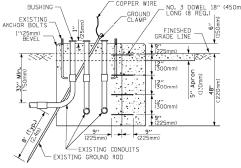
NOTES

- CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING (ROUND)
- 2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
- 3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH







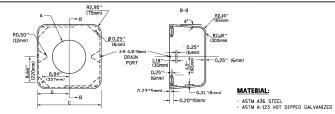
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE

ITEM	NO. IDENTIFICATION
- 1	OUTLET BOX- CALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS *2 AND *11 SHALL BE ALUMINUM OR GALVANIZED
- 2. ITEM *1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT ITEM *2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT ITEM *9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- 3. WHEN POST MOUNTING IS SPECIFIED, ITEM *9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY ORILLING AND TAPPING A 3.4" ("19 mm) HOLE WITH PIPE THEADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

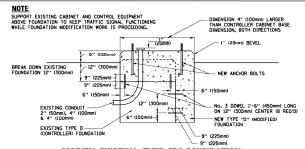


А	В	С	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

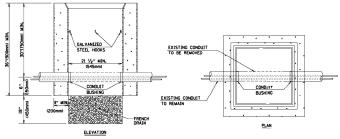
SHROUD

NOTES

- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD.
 THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- 2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- 3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.



MODIFY EXISTING TYPE "D" FOUNDATION



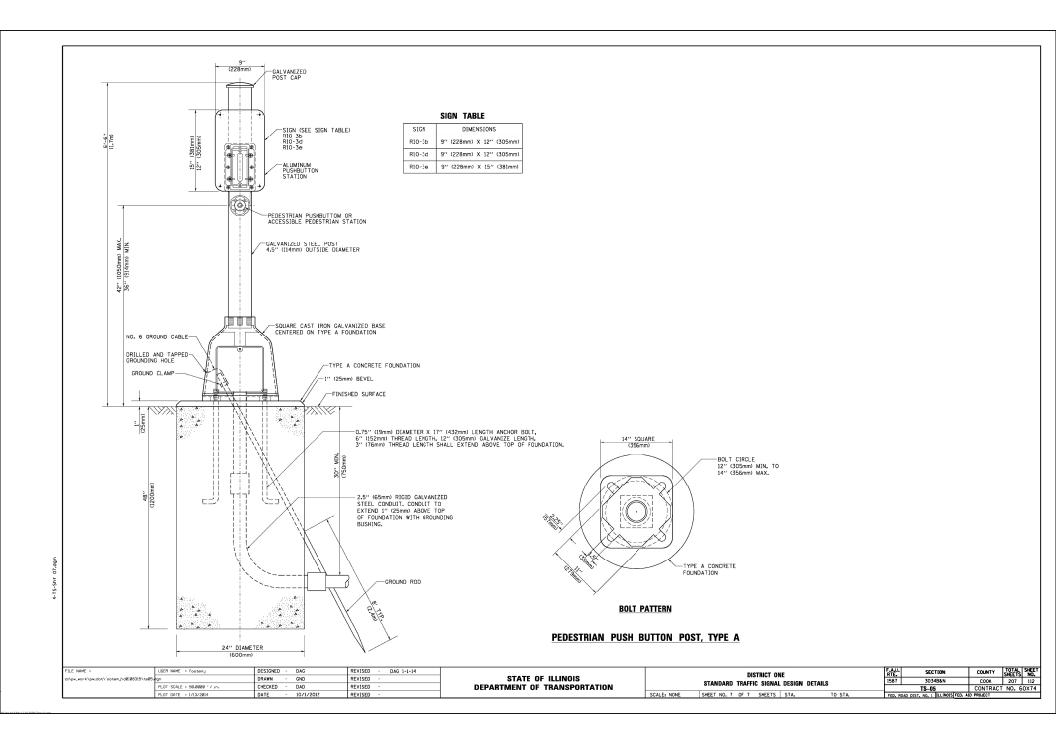
NOTES:

- 1. HANDHOLE CONSTRUCTED PER STATE STANDARD 8:4001.
- 2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

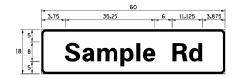
HANDHOLE TO INTERCEPT EXISTING CONDUIT

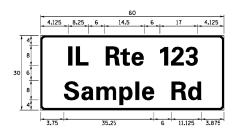
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ļ		PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 6 OF 7 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED.	AID PROJECT	

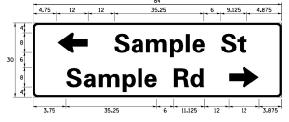
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SIGN PANEL - TYPE 1 OR TYPE 2







DESIGN	AREA	SIGN PANEL	SHEETING	QTY.
SERIES	(SQ FT)	TYPE	TYPE	REQUIRED
D OR C	-	1 OR 2	ZZ	

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH	(INCH)
NAME	ABBREVALION	SERIES "C"	SERIES "D"
AVENUE	λve	15.000	18.250
BOULEVARD	Elyd	17. 125	20.000
CIRCLE	Cir	11.125	13.000
COURT	C†	8. 250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18. 375	22.000
ILLINOIS	IL	7. 000	8. 250
LANE	Ln	9. 125	10.750
PARKWAY	Fkwy	23. 375	27. 375
PLACE	PI	7. 125	7. 750
ROAD	Rd	9. 625	11.125
ROUTE	R†e	12.625	14.500
STREET	S†	8.000	9. 125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7. 750	9. 125
UNITED STATES	US	10, 375	12, 250

GENERAL NOTES

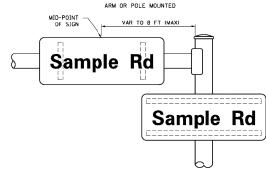
- 1. WHERE MAST ARM MOUNTED STREET NAME SIENS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877010 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PARKLES 2'-5" X 8"-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- 2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- 3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE, CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- 4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "0" LETTER ON A ONE-LINE SIGN IB" IN HEIGHT AND A MAXIMUX OF 8'-0" IN WIDTH. IF SERIES "0" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8"-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THERE IS SPACE AVAILABLE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

| LOCAL SUPPLIERS: PARTS LISTING:
- J.O. HEBBERT COMPANY, INC SIGN CHANNEL PART "HPN053 (MED, CHANNEL) SIGN SCREWS 1.4" x 14 x 1" H.W.4. "3 SELF TAPPING WITH NEOPRENE WASHER PART "HPN054 (MINTERSAL) PART "HPN054 (MINTERSAL)

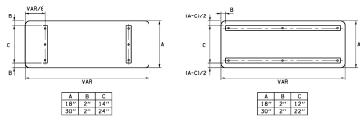
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING



SUPPORTING CHANNELS



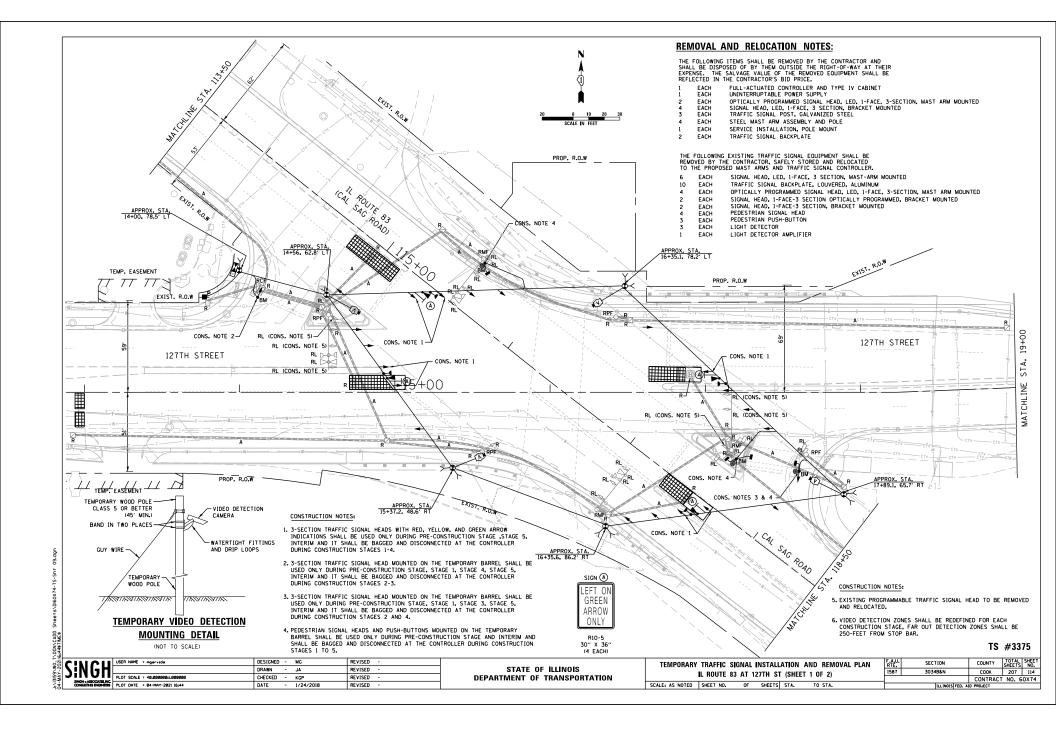
STANDARD ALPHABETS SPACING CHART

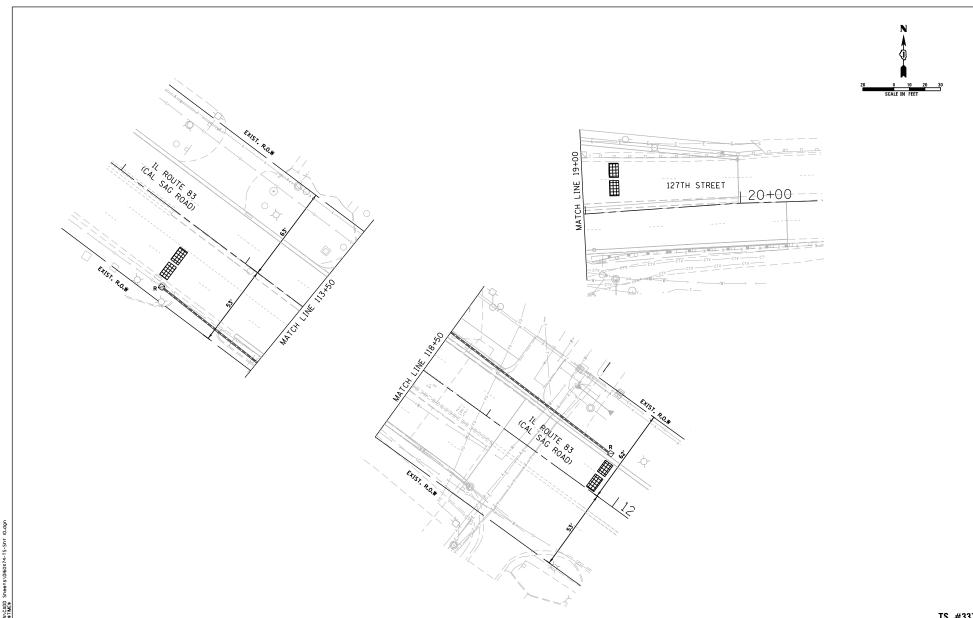
(8") UPPER CASE AND (6") LOWER CASE

	FHWA SEF	RIES "C"		FHWA SERIES "D"							
CHARACTER	LEFT SPACING (INCH)	WIDTH	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)				
A	0.240	5. 122	0.240	A	0.240	6.804	0.240				
В	0.880	4.482	0.480	В	0.960	5.446	0.400				
С	0.720	4.482	0.720	С	0.800	5.446	0.800				
D	0.880	4.482	0.720	D	0.960	5.446	0.800				
E	0.880	4.082	0.480	E	0.960	4.962	0.400				
F	0.880	4.082	0.240	F	0.960	4.962	0.240				
G	0. 720	4.482	0.720	G	0.800	5. 446	0.800				
Н	0.880	4.482	0.880	Н	0.960	5. 446	0.960				
I	0.880	1.120	0.880	I	0.960	1.280	0.960				
J	0. 240	4.032	0.880	J	0. 240	5.122	0.960				
K	0.880	4.482	0.480	К	0.960	5.604	0.400				
L	0.880	4.082	0.240	L	0.960	4.962	0.240				
М	0.880	5. 284	0.880	М	0.960	6. 244	0.960				
N	0.880	4.482	0.880	N	0.960	5.446	0.960				
0	0.720	4. 722	0.720	0	0.800	5.684	0.800				
Р	0.880	4.482	0.720	Р	0.960	5.446	0.240				
0	0.720	4. 722	0.720	0	0.800	5. 684	0.800				
R	0.880	4.482	0.480	R	0.960	5.446	0.400				
S	0.480	4.482	0.480	S	0.400	5.446	0.400				
T	0.240	4.082	0. 240	T	0.240	4.962	0.240				
U	0.880	4.482	0.880	U	0.960	5.446	0.960				
٧	0. 240	4.952	0.240	٧	0.240	6.084	0.240				
W	0. 240	6.084	0.240	W	0. 240	7.124	0.240				
Х	0.240	4. 722	0.240	X	0.400	5.446	0.400				
Y	0.240	5. 122	0.240	Y	0.210	6.884	0.240				
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400				
0	0.320	3.842	0.640	a	0.400	4.562	0.720				
ь	0.720	4.082	0.480	ь	0.800	4.802	0.480				
С	0.480	4.002	0.240	С	0.480	4. 722	0.240				
d	0.480	4.082	0.720	d	0.480	4.802	0.800				
9	0.480	4.082	0.320	9	0.480	4. 722	0.320				
f	0.320	2.480	0.160	f	0. 320	2.882	0.160				
g	0.480	4.082	0.720	g	0.480	4. 802	0.800				
h	0.720	4.082	0.640	h	0.800	4. 722	0.720				
1	0.720	1.120	0.720	1	0.800	1.280	0.800				
j	0.000	2. 320	0.720	j	0.000	2.642	0.800				
k	0.720	4. 322	0.160	k	0.800	5.122	0.160				
I	0.720	1.120	0.720	- 1	0.800	1.280	0.800				
m	0.720	6. 724	0.640	m	0.800	7. 926	0.720				
n	0.720	4.082	0.640	n	0.800	4.722	0.720				
0	0.480	4.032	0.480	۰	0.480	4.882	0.480				
P	0.720	4.082	0.480	P	0.800	4. 802	0.480				
q	0.480	4.082	0.720	q	0.480	4. 802	0.800				
r	0.720	2.642	0.160	r	0.800	3.042	0.160				
8	0. 320	3. 362	0. 240	£	0. 320	3. 762	0.240				
+	0.080	2.882	0.080	†	0.080	3. 202	0.080				
U	0.640	4.082	0.720	u	0.720	4. 722	0.800				
٧	0.160	4. 722	0.160	٧	0.160	5.684	0.160				
w	0.160	7. 524	0.160	w	0.160	9.046	0.160				
×	0.000	5. 202	0.000	×	0.000	6. 244	0.000				
У	0.160	4.952	0.160	У	0.160	6.004	0.160				
z	0.240	3. 362	0.240	Z	0.240	4.002	0.240				
1	0.720	1.680	0.880	1	0.800	2.000	0.960				
2	0.480	4.482	0.480	2	0.800	5. 446	0.800				
4	0.480	4.482	0.480	4	1.440	5. 446	0.800				
	0.240	4.952	0.720		0.160	6.004	0.960				
5	0.480	4.482	0.480	5	0.800	5. 446	0.800				
6	0.720	4.482	0.720	6	0.800	5.446	0.800				
7	0.240	4.482	0.720	7	0.560	5.446	0.560				
8	0.480	4. 482	0.480	8	0.800	5. 446	0.800				
9	0.480	4.482	0.480	9	0.800	5.446	0.800				
0	0.720 0.240	4. 722 2. 802	0.720 0.240	0	0.800 0.240	5. 684 2. 802	0.800				

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S:\WP\Design\Manuels and Reference Mate	r:als\CADD\Deta:ls\ta82.dqn	DRAWN	-	LP	REVISED -	
	PLOT SCALE = 50.0000 ' / 10.	CHECKED	-	IP	REVISED -	
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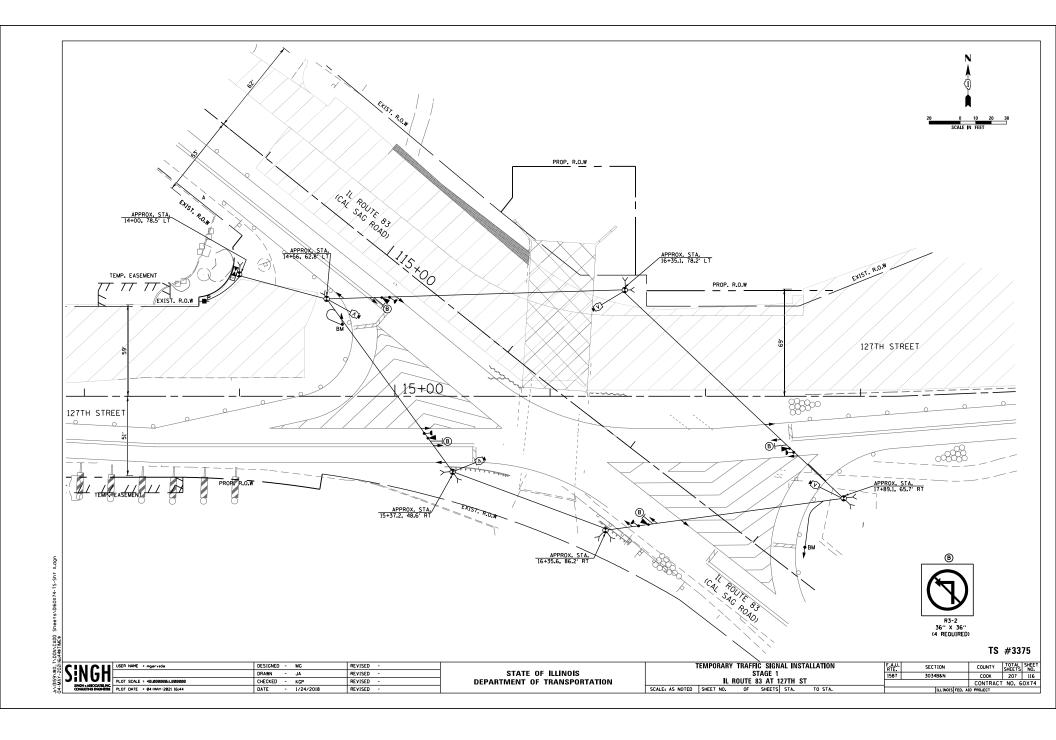
					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
M	IAST ARM	MOUNT	EN STE	REET NAME	SIGNS		1587	3034B&N	COOK	207	113		
MAST ARM MOUNTED STREET NAME SIGNS						NO. 6	0X74						
CALE:	SHEET	OF	SHEETS	STA.	TC	STA.	ILLINOIS FED. AID PROJECT						
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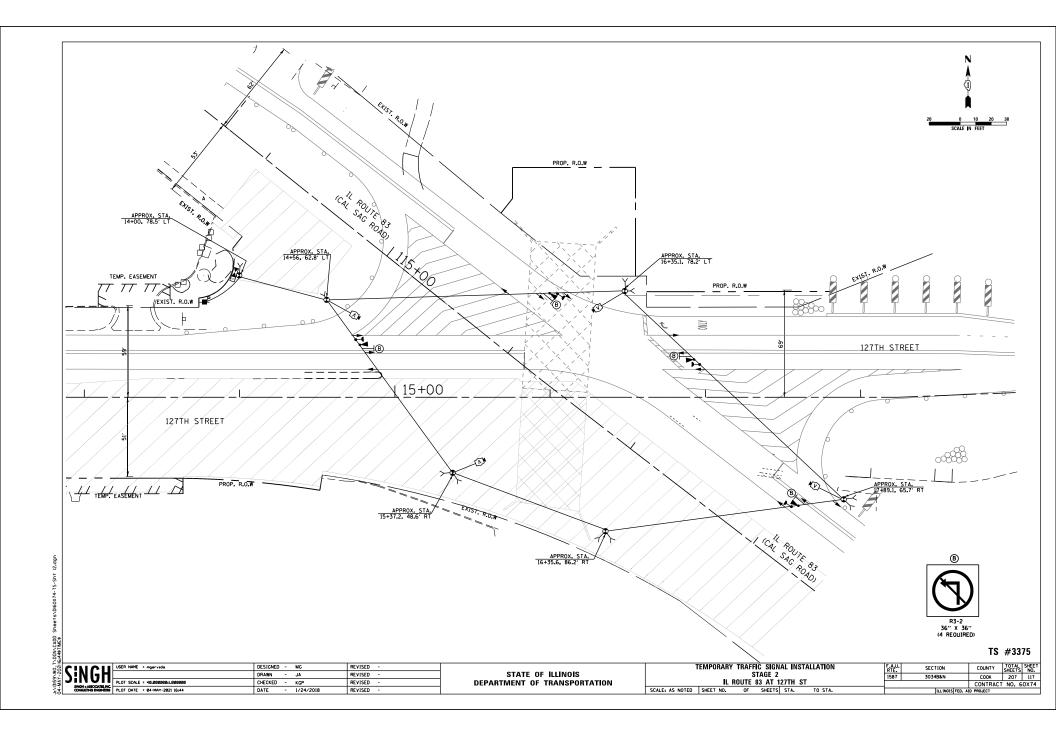


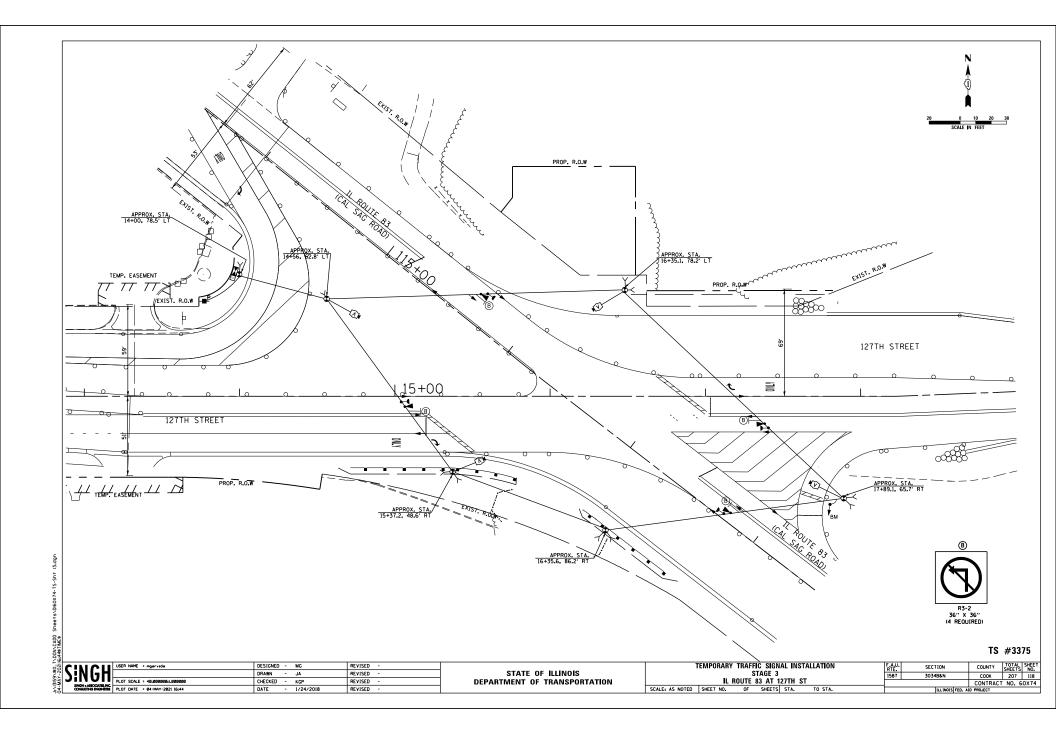


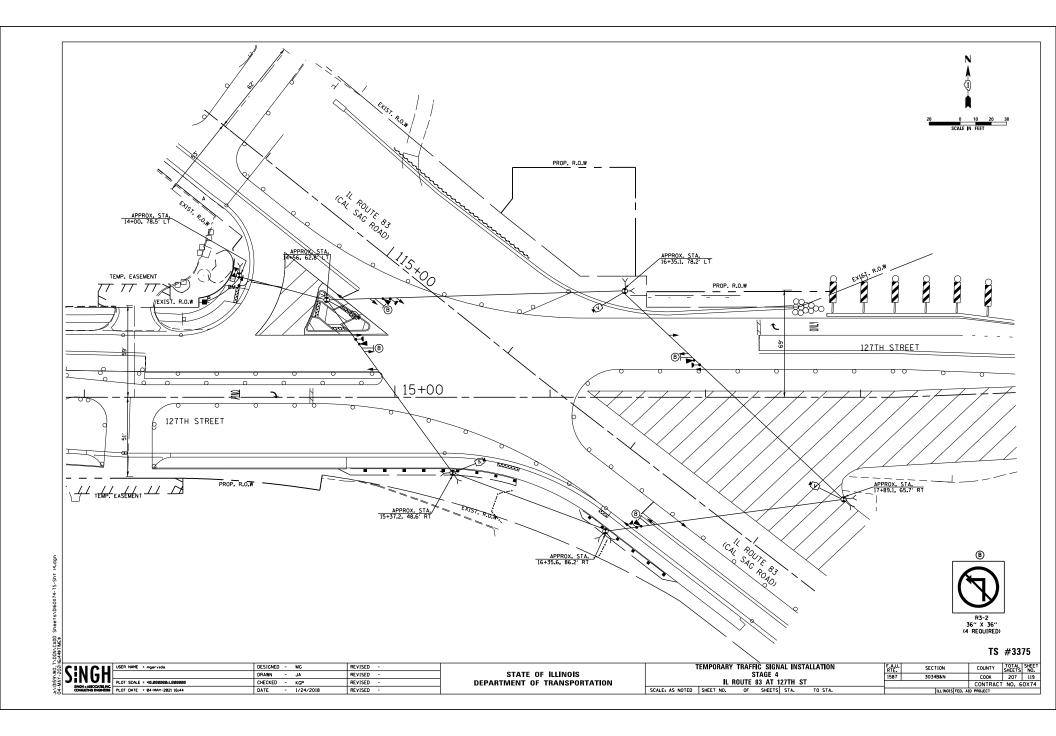
TS #3375

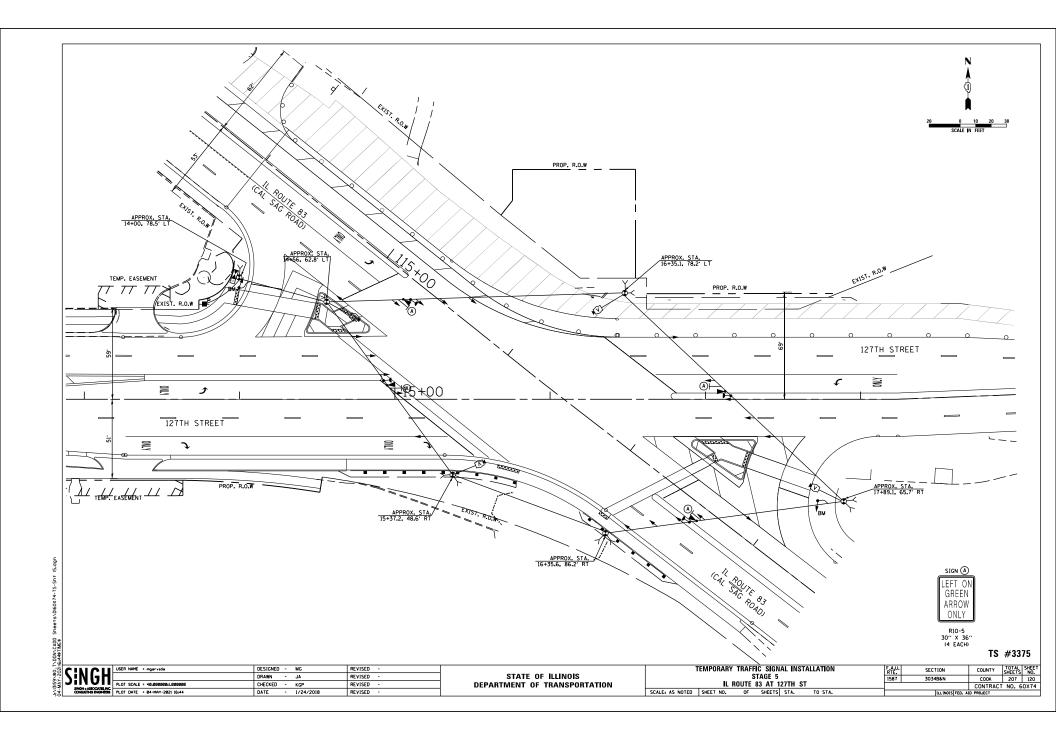
S CINICII	USER NAME * mgarvida	DESIGNED - MG	REVISED -		TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN							SECTION	COUNTY	TOTAL	SHEET
SINGH		DRAWN - JA	REVISED -	STATE OF ILLINOIS							1587	3034B&N	соок	207	115
SINGH-ASSOCATELING	PLOT SCALE : 40.0000001.000000	CHECKED - KGP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL ROUTE 83 AT 127TH ST (SHEET 2 OF 2)									CONTRACT NO. 60X7	
CONSULTING BAGINEES	PLOT DATE = 24-JAN-2018 15:11	DATE - 1/24/2018	REVISED -		SCALE: AS NOTED	SHEET NO.	OF	SHEET	S STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

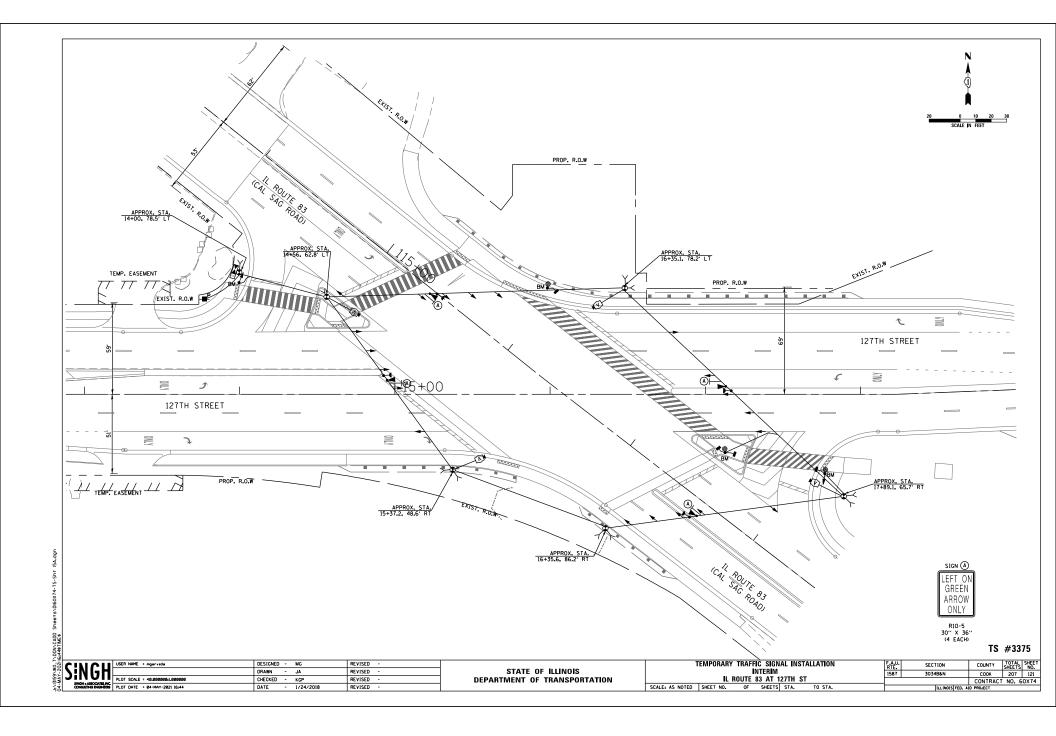


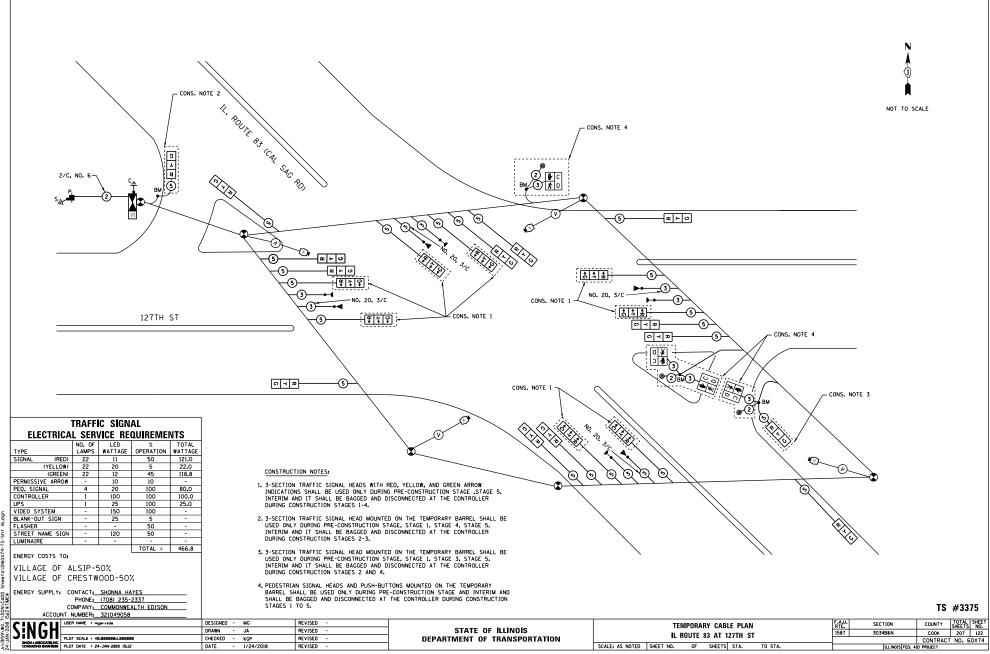












DEPARTMENT OF TRANSPORTATION

IL ROUTE 83 AT 127TH ST

SCALE: AS NOTED SHEET NO. OF SHEETS STA.

PLOT SCALE : 40,0000001,00000

SINGH+ASSOCIATES INC.
CONSULTING BNGINESSS PLOT DATE = 24-JAN-2818 15:12

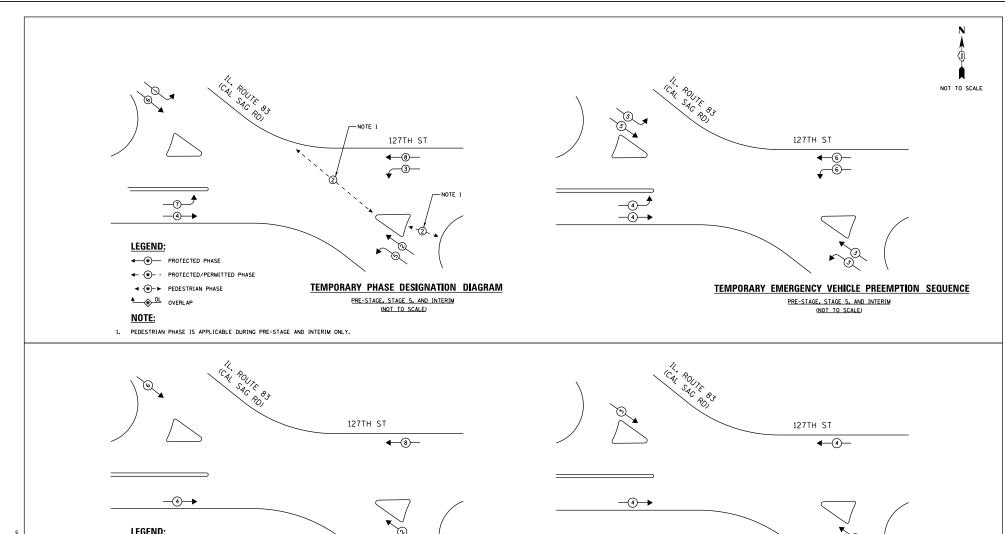
CHECKED - KGP

- 1/24/2018

DATE

REVISED

REVISED



 uL	w.		
	_		

◆ PROTECTED PHASE

← - PROTECTED/PERMITTED PHASE

◆ ◆ PEDESTRIAN PHASE

OVERLAP

TEMPORARY PHASE DESIGNATION DIAGRAM

STAGE 1-STAGE 4 (NOT TO SCALE)

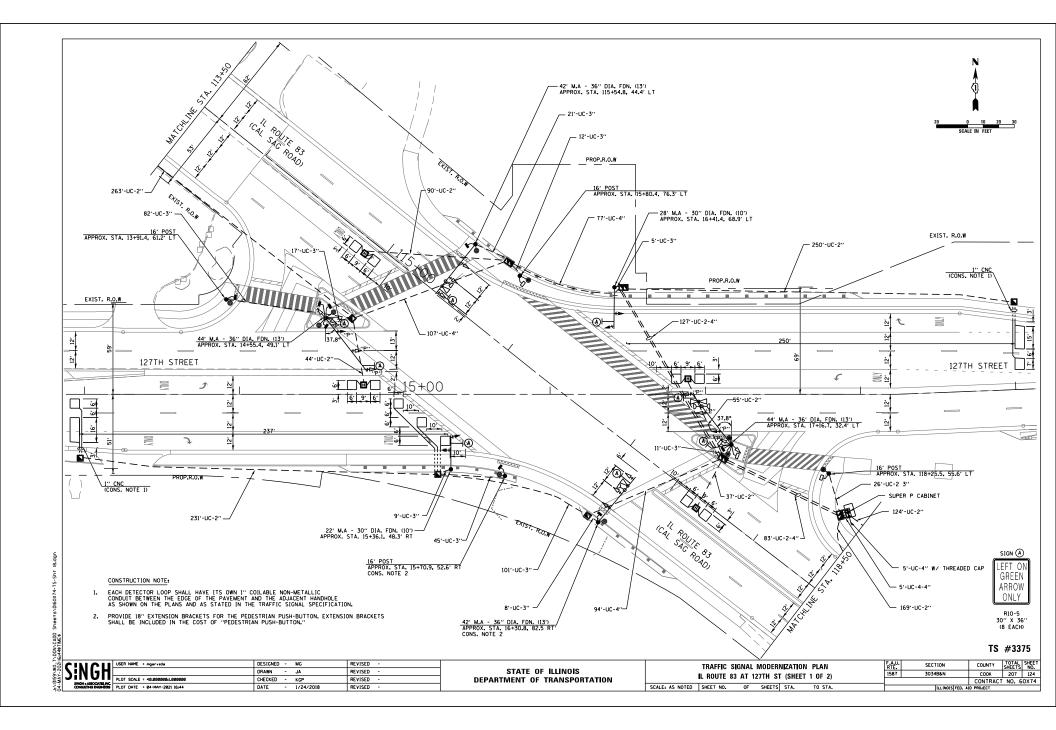
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

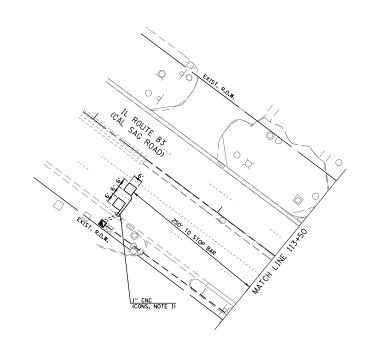
STAGE 1-STAGE 4 (NOT TO SCALE)

TS #3375

98											
Se CITICII	USER NAME * mgarvida	DESIGNED -	MG	REVISED -		TEMPORARY PHASE DESIGNATION DIAGRAM AND	F.A.U.	SECTION	COUNTY	TOTAL SH	4EET
% >!N(¬H		DRAWN -	JA	REVISED -	STATE OF ILLINOIS	TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE	1587	3034B&N	COOK	207 1	123
SINGH-ASSOCIATELING	PLOT SCALE : 40.8800000:1.8800000	CHECKED -	KGP	REVISED -	DEPARTMENT OF TRANSPORTATION	IL ROUTE 83 AT 127TH ST			CONTRACT	T NO. 60X	(74
CONSULTING BACINEES	PLOT DATE = 24-JAN-2018 15:12	DATE -	1/24/2018	REVISED -		SCALE: AS NOTED SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT		=

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20 0 10 20 30 SCALE IN FEET

CHS, ROM. CHS, ROM.

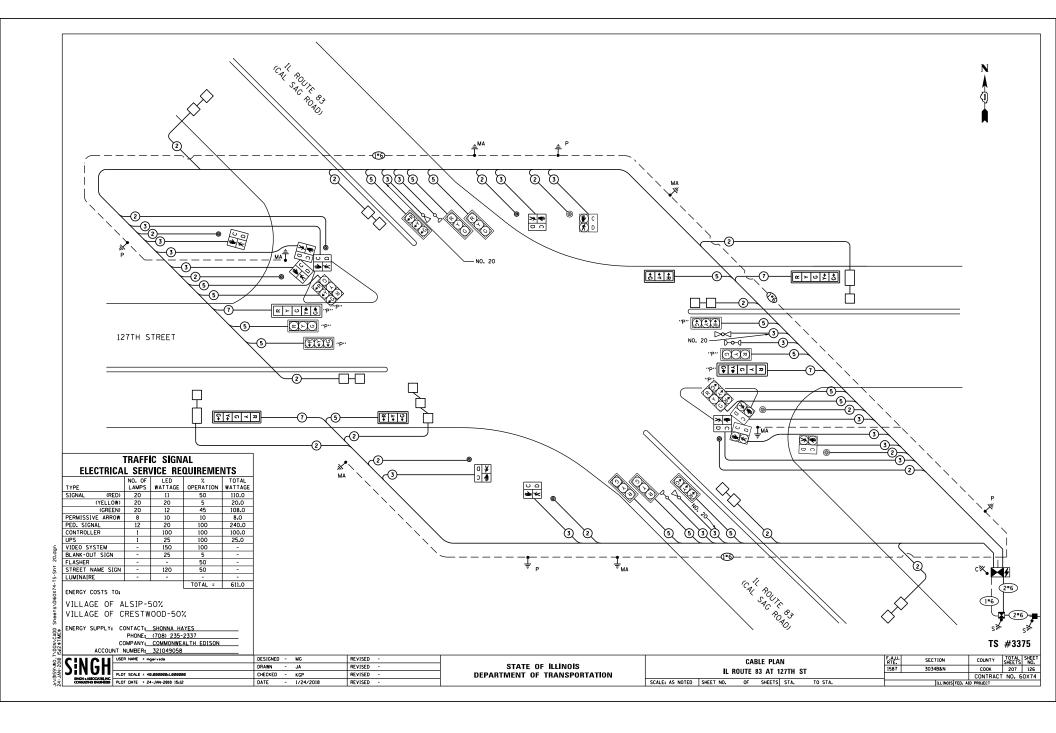
CONSTRUCTION NOTE:

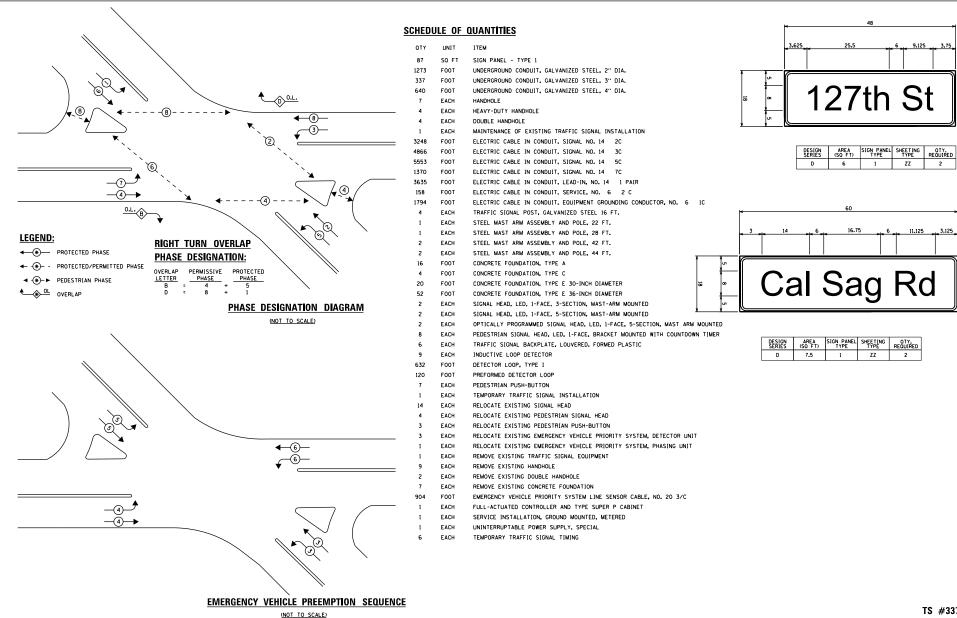
 EACH DETECTOR LOOP SHALL HAVE IT'S OWN 1" COLLABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATION.

TS #3375

CINICII	USER NAME * mgervide	DESIGNED - MG	REVISED -
/iNGH		DRAWN - JA	REVISED -
	PLOT SCALE : 40.0000001.000000	CHECKED - KGP	REVISED -
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	PLOT DATE = 24-JAN-2018 15:12	DATE - 1/24/2018	REVISED -

								,, 00	. ।
TRA	AFFIC SIGNAL I	MODERN	IZATION	PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
II RO	NITE 83 AT 12	7TH ST	(SHEET 2	OF 2)	1587	3034B&N	COOK	207	125
IL ROUTE 83 AT 127TH ST (SHEET 2 OF 2)							CONTRACT	NO. 6	0X74
ALE: AS NOTED SHEE	T NO. OF	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			





REVISED -DRAWN REVISED CHECKED - KGP REVISED SINGH + ASSOCIATES, INC.
CONSULTING ENGINEESS PLOT DATE = 24-JAN-2018 15:12 DATE - 1/24/2018 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES IL ROUTE 83 AT 127TH ST SCALE: AS NOTED SHEET NO. OF SHEETS STA.

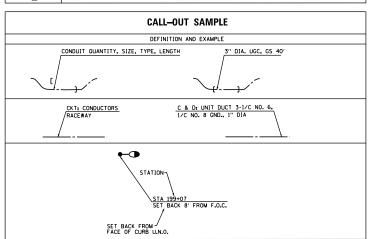
COUNTY SHEETS NO.

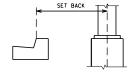
COOK 207 127

CONTRACT NO. 60X74

AID PROJECT SECTION 3034B&N

TS #3375





POLE SET BACK DETAIL

ABBREVIATIONS

ABBREVIATION	DESCRIPTION							
AC	ALTERNATING CURRENT							
A/C	AERIAL CABLE							
F.O.C.	FACE OF CURB							
CB	CIRCUIT BREAKER							
CKT	CIRCUIT							
CM	CENTIMETER							
CP	CONTROL PANEL							
DC	DIRECT CURRENT							
DIA	DIAMETER							
E	EXISTING UNIT TO REMAIN							
E.O.P.	EDGE OF PAVEMENT							
FT	FEET OR FOOT							
GND	GROUND							
JB	JUNCTION BOX							
KVA	KILOVOLT-AMPERE							
KW	KILOWATTS							
M	METER							
MA	MAST ARM							
MC	MULTI-CONDUCTOR							
MM	MILLIMETER							
M.H.	MOUNTING HEIGHT							
MW	MESSENGER WIRE							
NO. =	NUMBER							
N.T.S.	NOT TO SCALE							
P	PROPOSED							
PB	PUSH BUTTON							
PNL	PANEL							
PT	POTENTIAL TRANSFORMER							
R	EXISTING UNIT TO BE REMOVED							
	(OWNER SALVAGED U.N.O.)							
STA	STATION							
T/F	TOP OF FOUNDATION							
UD	UNIT DUCT							

IDOT-D1 STANDARDS

WOOD POLE HIGH PRESSURE SODIUM LIQUID TIGHT FLEXIBLE METALLIC

U.N.O.

UGC, GS

BE-301 LIGHT POLE FOUNDATION 40' TO 47 1/2' M.H. 15" BOLT CIRCLE

UNDERGROUND CONDUCT, GALVANIZED STEEL

UNLESS NOTED OTHERWISE

BE-305 LIGHT POLE FOUNDATION, METAL

BE-701 LUMINAIRE SAFETY CABLE ASSEMBLY

BE-702 MISC. ELECTRICAL DETAILS SHEET A

BE-800 TEMPORARY LIGHT POLE DETAILS

BE-801 TEMPORAY AERIAL CABLE INSTALLATION

ENERGY SUPPLY CONTACT: COMPANY: ACCOUNT NUMBER:

SHONNA HAYES (708) 235-2337 COMMONWEALTH EDISON 3553024037



5/7/2021

RASHESHKUMAR D. PATEL, P.E. DATE LICENSE NO.: 062-064617 EXPIRES: 11-30-2021

SHEETS: 128-163

DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE ELECTRICATION STOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- THE AERIAL CABLE INSTALLATION FOR TEMPORARY LIGHTING SHALL COMPLY WITH NEC (NATIONAL ELECTRICAL CODE) ARTICLE 225.18, NESC AND COMED STANDARDS FOR MINIMUM VERTICAL AND HORIZONTAL CLEARANCE.
- 3. THE POLE SETBACK IS MEASURED FROM THE FACE OF THE CURB TO THE CENTER OF POLE.

INDEX OF DRAWINGS:

DRAWING NO.	TITLE
E-1	LEGEND, ABBREVIATIONS, INDEX OF DRAWINGS, AND SCHEDULE OF QUANTITIES
E-2	EXISTING LIGHTING REMOVAL PLAN
E-3	TEMPORARY LIGHTING PLAN
E-4	PROPOSED LIGHTING PLAN
E-5	VILLAGE OF CRESTWOOD LIGHTING CONTROLLER WIRING DIAGRAM
E-6 TO E-11	IDOT-D1 STANDARDS
E-12 TO E-14	LIGHTING DETAILS

SCHEDULE OF QUANTITIES

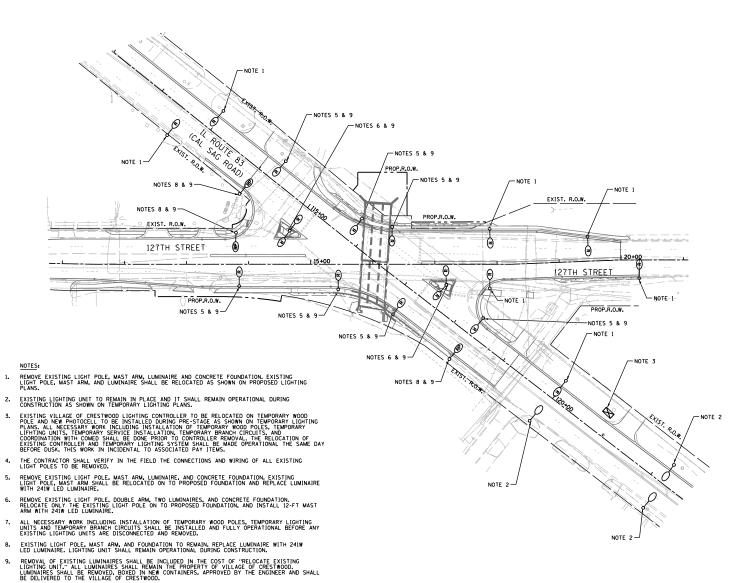
OTY	UNIT	ITEM					
1	EACH	ELECTRIC SERVICE INSTALLATION					
1	LSUM	ELECTRIC UTILITY SERVICE CONNECTION					
1027	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.					
3352	FOOT	UNIT DUCT, 600V, 3-IC NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE					
900	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0					
300	FOOT	AERIAL CABLE, 3-1/C NO. 3/O WITH MESSENGER WIRE					
2265	FOOT	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE					
3	EACH	LIGHT POLE, ALUMINUM, 45 FT. M.H., 12 FT. MAST ARM					
12	EACH	LIGHT POLE, WOOD, 50 FOOT, CLASS 4, WITH 15FT MAST ARM					
152	FOOT	LIGHT POLE FOUNDATION, 24" DIAMETER					
2	EACH	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8"					
14	EACH	REMOVAL OF TEMPORARY LIGHTING UNIT					
16	EACH	REMOVAL OF POLE FOUNDATION					
16	EACH	RELOCATE EXISTING LIGHTING UNIT					
1	EACH	REMOVE EXISTING CONCRETE FOUNDATION					
1	EACH	TEMPORARY ELECTRIC SERVICE INSTALLATION					
1	EACH	REMOVE TEMPORARY WOOD POLE					
1	EACH	TEMPORARY WOOD POLE, 40 FT., CLASS 4					
12	EACH	LUMINAIRE, LED, SPECIAL					
17	EACH	TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT					
1	EACH	PHOTOCELL					
3	EACH	MAST ARM, ALUMINUM, 12 FT.					
72	EACH	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN AND ALUMINUM SKIRT					
5	EACH	TEMPORARY MAST ARM, ALUMINUM, 15FT					
1	EACH	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER					
1	EACH	RELOCATE EXISTING LIGHTING CONTROLLER					
3	EACH	LUMINAIRE SAFETY CABLE ASSEMBLY					
6	CAL MO	MAINTENANCE OF LIGHTING SYSTEM					

E- 1

CINICH	USER NAME = mgarvida	DESIGNED - MG	REVISED -
/ !NI ₂ H		DRAWN - JA	REVISED -
JIII UII	PLOT SCALE = 100.000000:1.000000	CHECKED - KGP	REVISED -
CONSULTING ENGINEERS	PLOT DATE = 07-MAY-2021 15:13	DATE - 2/21/2018	REVISED -

STATE OF ILLINOIS

LEGEND, ABBREVIATIONS, INDEX OF DRAWINGS, AND						F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCI	4FDIII F	OF OU	ANTITIES		1587	3034B&N	COOK	207	128
								CONTRACT	NO. 6	0X74
SCALE: AS NOTED	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				



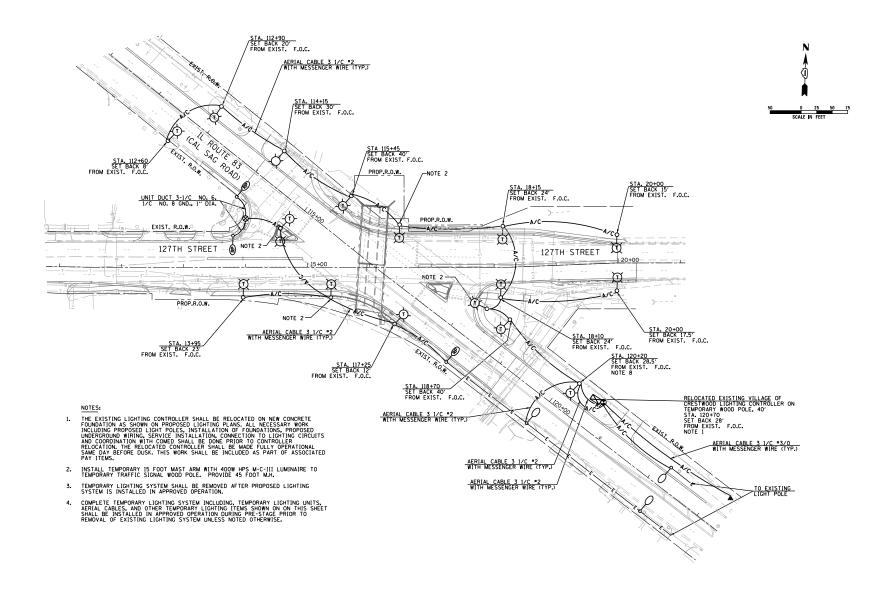
CIMICII	USER NAME = mgarvida	DESIGNED - MG	REVISED -
/·NI-H		DRAWN - JA	REVISED -
SINGH-ASSOCIATELING	PLOT SCALE = 188.88888881.888888	CHECKED - KGP	REVISED -
CONSULTING ENGINEERS	PLOT DATE = 84-MAY-2821 16:43	DATE - 2/21/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Ī								F.A.U. RTE.	SECTION
	IL ROUTE 83 AT 127TH ST						1587	3034B&N	
				· / / ·	_,	<u> </u>			
	SCALE: AS NOTED	SHEET NO.	OF	SHEETS	STA.	TO STA.			ILLINOIS FED. A

E- 2

COUNTY TOTAL SHEET NO. COOK 207 129 CONTRACT NO. 60X74



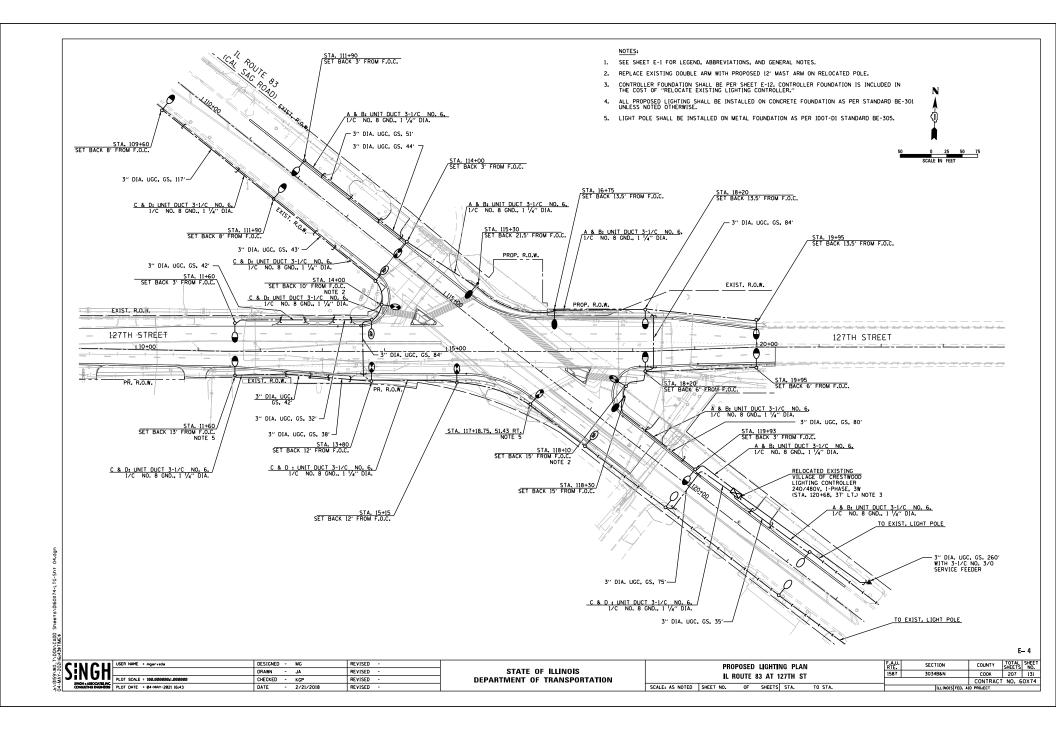
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Sheets\Di60x74-LTG-Sht	
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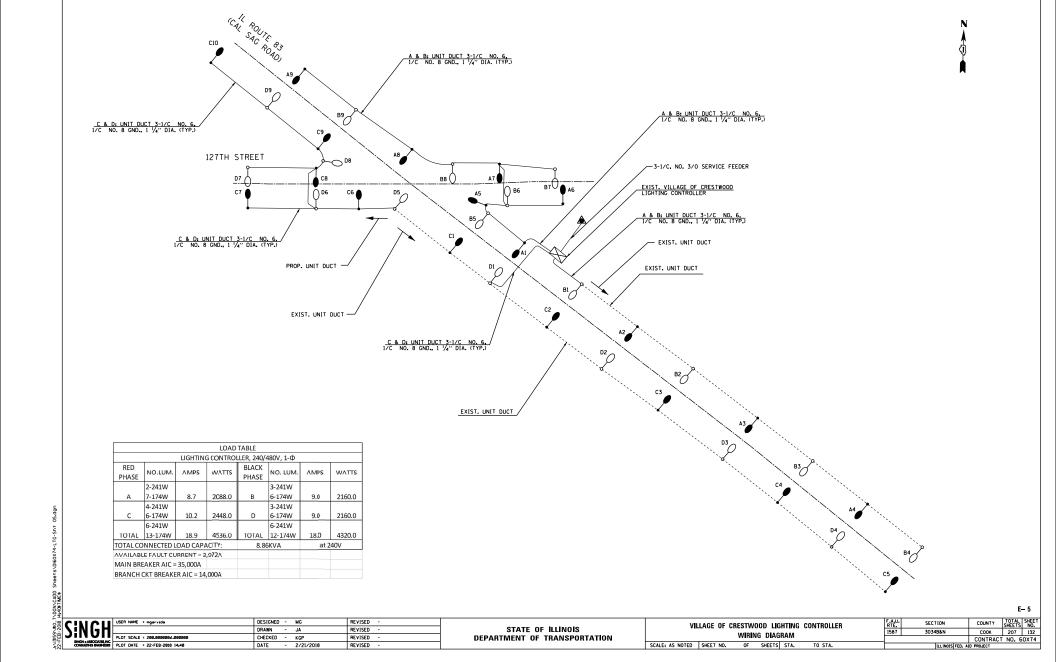
E- 3

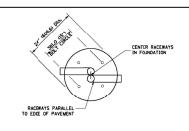
SECTION

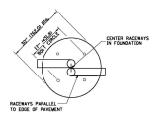
3034B&N

CINICII USER NAME : mgarvido	DESIGNED - MG	REVISED -		TEMPORARY LIGHTING PLAN							
ŽŠ NINGH	DRAWN - JA	REVISED -	STATE OF ILLINOIS	IL ROUTE 83 AT 127TH ST							
91 SINCH - ASSOCIATE INC. PLOT SCALE = 100.000000001.0000000	CHECKED - KGP	REVISED -	DEPARTMENT OF TRANSPORTATION		il.	NUUIE 0	3 AI 12	710 31			
CONSULTING ENGINEERS PLOT DATE = 84-MAY-2921 16:43	DATE - 2/21/2018	REVISED -		SCALE: AS NOTED	SHEET NO.	OF	SHEETS	STA. TI			









TOP VIEW

*2/0 BARE COPPER

EXOTHERMIC WELD CONNECTION TO GND ROD.

GROUND ROD (WHEN SPECIFIED) %" Dia. X 10" (15,875 Dia. X 3,048 m)

TOP VIEW

DP VIEW

Y' (19) CHAMFER

#2/O BARE COPPER

GROUND CLAMP UL LISTED

- 2" (50.8)

- 3 LOOPS MIN. AT TOP & BOTTOM

8-#6 VERTICAL BARS

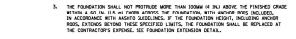
ANCHOR ROD

-4-" UIO. A 2-0"

1. ALL DIMENSIONS ARE IN INCHES ONLLINETERS UNLESS OTHERWISE SHOWN.

(4-25.4 Dig. X 1.524 m)

2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.

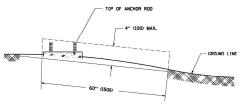


NOTES

- 4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMEFERD 3-1-IN. COD min.
- . THE CONCRETE SHALL BE CLASS SI, CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE, COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF "HE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMATERS OF THE ANCHOR ROL A TACK WELDED ANCHOR HOU MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 CRADE 725 (GRADE 105), NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- 9. AMCIOR RODS, NUTS AND WASERS SHALL BE COMPLETELY CALVANIZED BY EITHER THE TOT-DIFFELD PROCESS COMPONING WITH AMERICA W.232 THE MECHANICAL PLATING METHOD COMPONING TO AASHTO M.298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 LIM6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDIGING TO ACTIVE TIJSO.
- 10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION,
- 11. ANCHOR RODS SHALL PROJECT 2¾" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED. THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- 12. THE CONTRACTOR SHALL USE A =3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE =3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENCINEER.
- 13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- 14. THE RACEWAYS SHALL PROJECT I" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



3" (76.2)



LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SINGLE ARM POLE

13'-0" (3,96 m)

7'-0" (2.13 m)

9'-0" (2.74 m)

8'-3" (2,52 m)

7'-9" (2.36 m)

SOIL CONDITIONS

SOFT CLAY Ou = 0.375 TON/SO, FT.

MEDIUM CLAY Ou = 0.75 TON/SO.FT

STIFF CLAY Qu = 1.50 TON/SQ. FT.

> LOOSE SAND Ø = 34°

MEDIUM SAND

Ø = 37.5°

DENSE SAND Ø = 40°

> x 5'-0" x 1.524

5 6

7. 52

ANCHOR ROD DETAIL

6" (152.4)

THREADED

%" T. X 4" Dlo. (15.67 T. X 101.6 Dla.) WAS-IER, TACK WELDED

\diststd\22x34\bx381.dgn

DESIGN DEPTH "D" OF FOUNDATION

TWIN ARM POLE

15'-0" (4,57 m)

10'-9" (3.23 m)

8'-0" (2,44 m)

10'-0" (3.05 m)

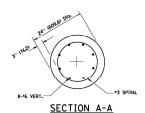
9'-0"

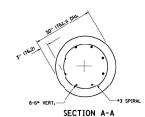
(2.74 m)

9'-0" (2.74 m)

31/2" X 36" RADIUS

(88.9 [To. X 914.4) PVC RACEVAY (2 MIN.)



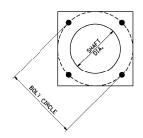


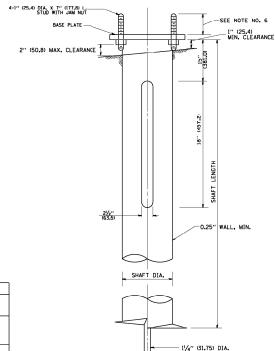
FOUNDATION EXTENSION DETAIL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION				F.A.U. SECTION		COUNTY TOTAL SHEETS		SHEET NO.	
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE					1587	3034B&N	соок	207	133
40 (12.132 III) 10 47 VZ (14.476 M) W.H. 15 (381 MM) BULT CIRCLE						BE-301	CONTRACT	NO. 6	0X74
SCALE: NONE	SHEET NO. 1 OF 1	SHEETS	STA.	TO STA	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E- 6





HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	111/2"	85%"	6 FT.	12"x12"x1"
31 FT35 FT.	111/2"	85%"	6 FT.	12"×12"×1"
36 FT40FT.	15"	85%"	6 FT.	15"×15"×1¼"
41 FT45 FT.	15"	85%"	6 FT.	15"×15"×1'//"
46 FT50 FT.	15"	1C"	8 FT.	15"×15"×1'/."

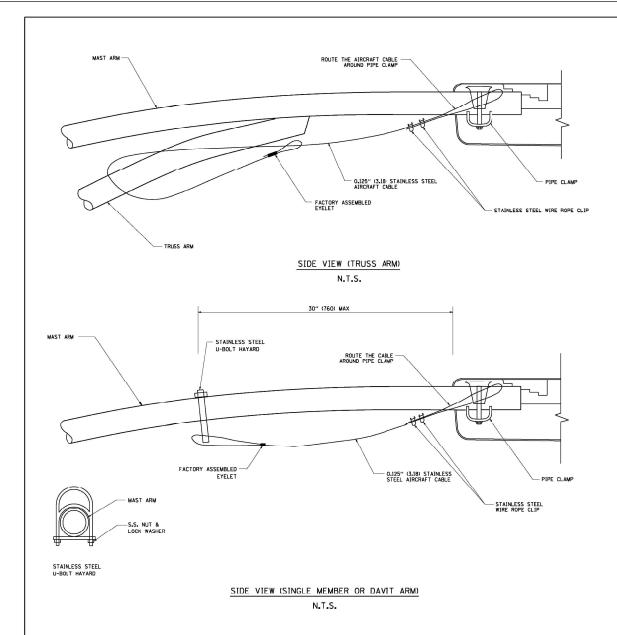
METAL HELIX FOUNDATION MATERIALS

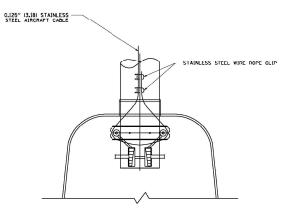
ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTD M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTD M 293 (ASTM F 436)

NOTES:

- 1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- 2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
- ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AUXS OF THE FOUNDATION.
- THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
- 7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
- 8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDTION IS NOT ALLOWED.
- 9. THE METAL FOUNDATION SHALL NOT BE INSTALLE) TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
- 10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
- 11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°).
- 12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

FILE NAME =	USER NAME = geglienobt	DESIGNED -	REVISED -		LIGHT POLE FOUNDATION, METAL			F.A.U.	SECTION		COUNTY	TOTAL	S
Wi\diststd\22x34\bx385.dgn		DRAWN - DLB	REVISED -	STATE OF ILLINOIS	LIGHT FOLE FOUNDATION, METAL				3034B&N		0000	207	_
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					BE-305	C	ONTRACT I	NO. 60	٥ì
	PLOT DATE = 1/4/2008	DATE - 02-27-07	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. RO		FED. AID PR	ROJECT		_





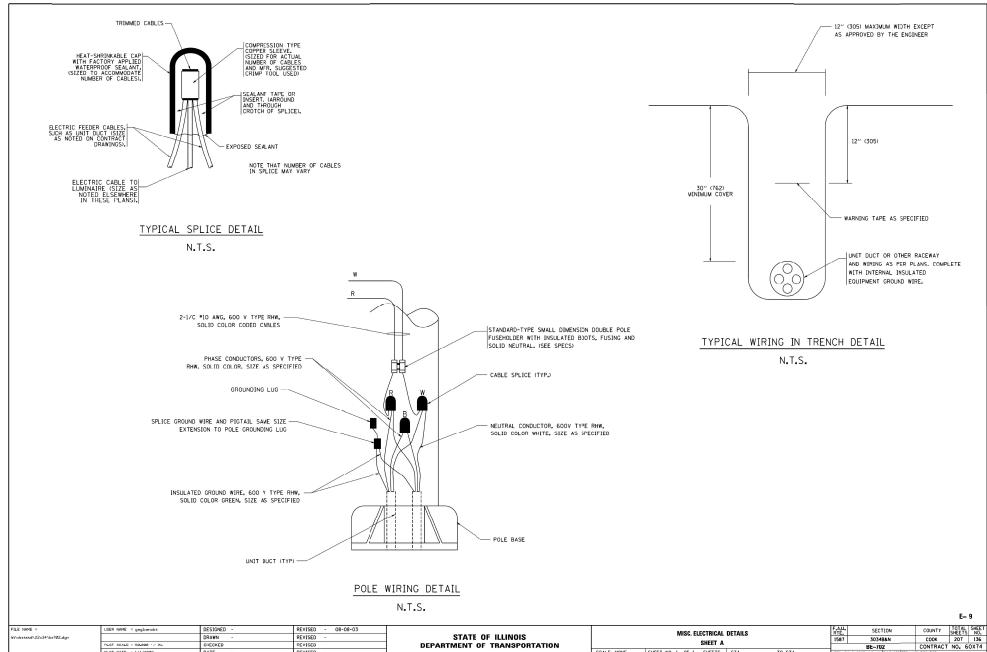
N.T.S.

NOTES:

- 1. ALL DIMENSIONS AFE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
- 2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
- THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
- THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

USER NAME = geglienobt DESIGNED REVISED - 08-08-03 LUMINAIRE SAFETY CABLE ASSEMBLY STATE OF ILLINOIS W:\d:ststd\22x34\b+7@1.dgn DRAWN REVISED PLOT CCALE - 58.888 // IN. CHECKED REVISED DEPARTMENT OF TRANSPORTATION SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA PLOT DATE = 1/4/2008 REVISED

E-- 8



DEPARTMENT OF TRANSPORTATION

DRAWN

DATE

CHECKED

PLOT SCALE - 50,000 // IN.

PLOT DATE = 1/4/2008

REVISED

REVISED

REVISED

3034B&N

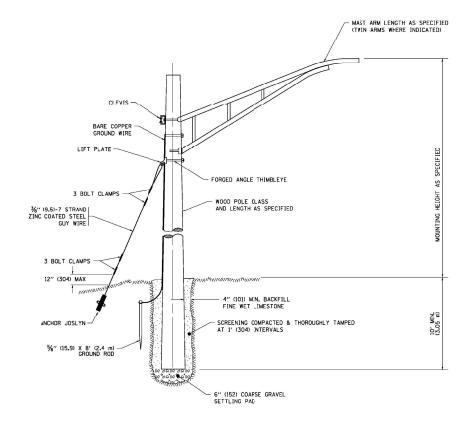
BE-702

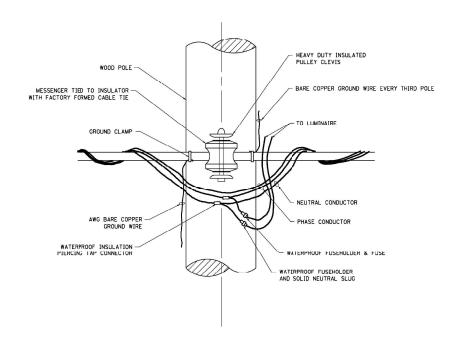
SHEET A

TO STA

SHEET NO. 1 OF 1 SHEETS STA.

SCALE: NONE





TEMPORARY LIGHT POLE DETAIL

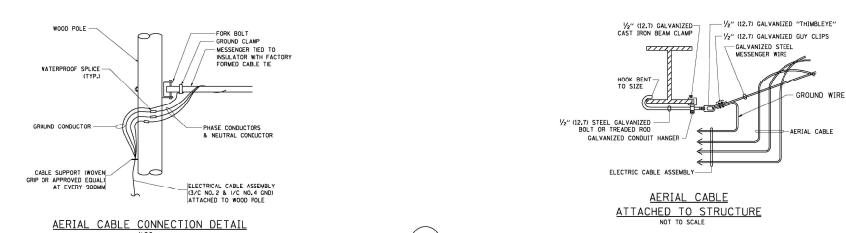
TEMPORARY LIGHT POLE ATTACHMENT DETAIL

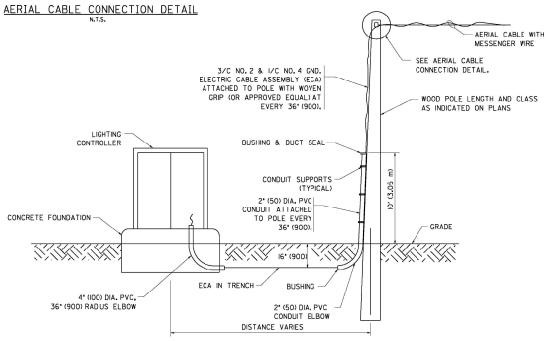
E-10

NOTE

- 1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
- 2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

FILE NAME =	USER NAME = factorj	DESIGNED -	REVISED - 08-08-03			TEMPORARY LIGHT POLE DETAILS	F.A.U. RTF.	SECTION	COUNTY	TOTAL SHEETS	SHEET
pw:\\ILØ84EBIDINTE&:111:no:s-gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\Dis	Continue to the continue to th	REVISED - R.T. 07-26-16	STATE OF ILLINOIS			1587	3034B&N	соок	207	137
	PLOT CCALE - 69.888 1/ 10.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION				BE-800	CONTRAC	T NO. 6	OX74
Default	PLOT DATE = 9/1/2016	DATE -	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED	AID PROJECT		
											-





NOTES:

- ALL DINENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
- 2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT. CABLE AND ROUTING.
- 3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
- 4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

WOOD POLE TO LIGHTING CONTROLLER

WIRING CONNECTION DETAIL

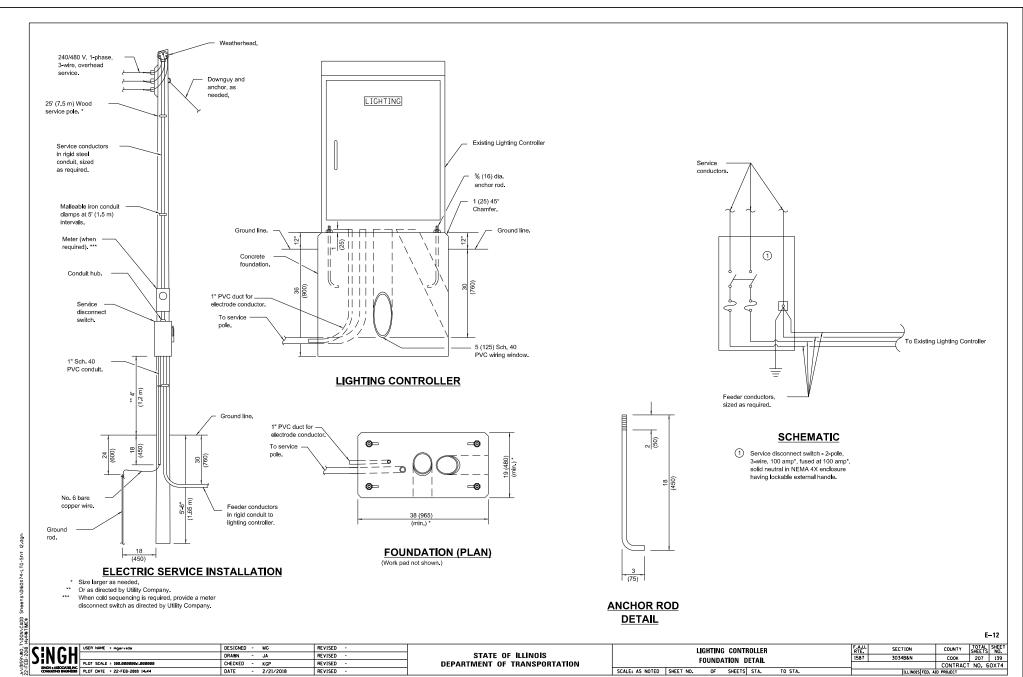
N.T.S.

FILE NAME = USER NAME = gegluonobit DESIGNED - REVISED - 08-08-03

Whidestal 22-24hb88Ldgn
PLOT COLLE - 68-888 / Jh. CHECKED PLOT BELT - REVISED
PLOT OLE = 1/4/2888 DATE - REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E-- 11



TOTAL SHEETS	SHEE.

8	CINICII USER NAME .	mgarvida	DESIGNED - MG	REVISED -		LIGHTING CONTROLLER FOUNDATION DETAIL		SECTION	COUNTY	TOTAL	SHEET NO.
, j	SINGH PLOT SCALE :		DRAWN - JA	REVISED -	STATE OF ILLINOIS			3034B&N	COOK	207	139
ij,	SINCH A ASSOCIATES INC	100.0000001.000000	CHECKED - KGP	REVISED -	DEPARTMENT OF TRANSPORTATION			•	CONTRAC	T NO. 6	60X74
żL	CONSULTING ENGINEERS PLOT DATE :	22-FEB-2018 14:44	DATE - 2/21/2018	REVISED -		SCALE: AS NOTED SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. A	D PROJECT		

POLE						
MOUNTING HEIGHT	MINIMUM SHAFT DIAMETER	MINIMUM WALL THICKNESS				
35' (10.7 m) or less	8 tapered to 4 ½ (200 to 114)	0.25 (6)				
Greater than 35' (10.7 m) to 45' (13.7 m)	10 tapered to 6 (250 to 150)	0.25 (6)				
Greater than 45' (13.7 m) to 50' (15.2 m)	10 tapered to 6 (250 to 150)	0.312 (8)				

POLE BASE						
MOUNTING	BOLT CIRCLE					
HEIGHT	DIAMETER					
35' (10.7 m)	11 ½					
or less	(290)					
Greater than 35' (10.7 m) to 50' (15.2 m)	15 (380)					

GENERAL NOTES

See IDOT D1 Standard on sheet E-6 for Light Pole Foundation.

Voids in light pole base shall be sealed to prevent rodent entry.

Provide breakaway devices where required.

Where anchor rods on existing bridge parapets are too short to mount poles as shown, install leveling plate directly on concrete and level with stainless steel washers.

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

MAST ARM LIGHT POLE

(Single or twin mount)

* Unless directed otherwise by the Engineer.

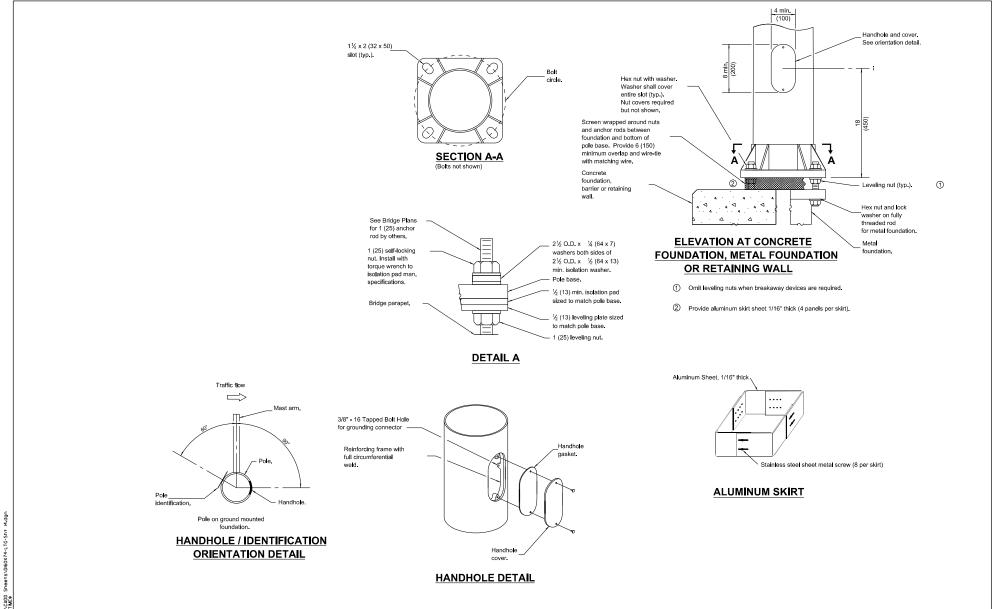
SINGH USER NAME - mgervide DESIGNED - MG REVISED -DRAWN - JA REVISED CHECKED - KGP REVISED SNOH + ASSOCIATES INC CONSISTING ENGINEERS PLOT DATE = 22-FEB-2018 14:44 DATE - 2/21/2018 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

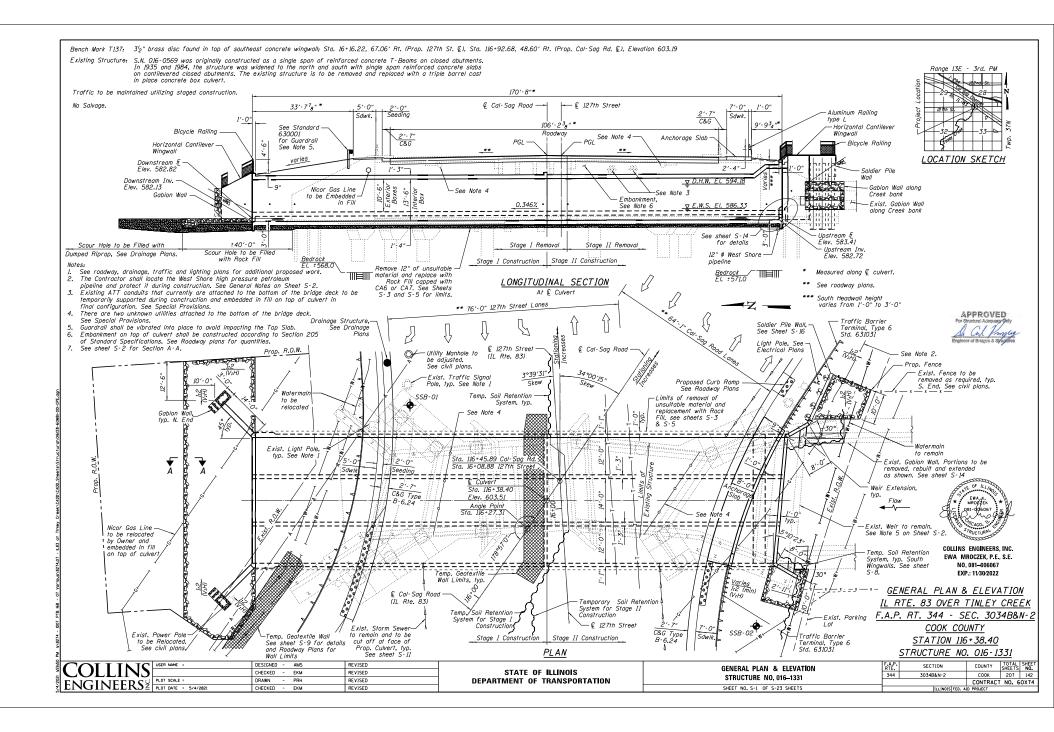
SECTION LIGHT POLE ALUMINUM MAST ARM 3034B&N SCALE: AS NOTED SHEET NO. OF SHEETS STA. TO STA.

ECTION COUNTY TOTAL SHEETS NO.
3348&N COOK 207 L40
CONTRACT NO. 60X74
[ILLINOIS] FED. AID PROJECT

E-13

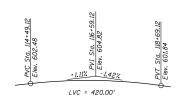


SECINIO	USER NAME + mgarvida	DESIGNED - MG	REVISED -			F.A.U. RTF.	SECTION		TOTAL SHEE
SING	H	DRAWN - JA	REVISED -	STATE OF ILLINOIS	LIGHT POLE ALUMINUM MAST ARM		3034B&N	COOK	207 14
SUPER SINGHAMOOD	PLOT SCALE : 100.00000001.0000000	CHECKED - KGP	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 60X7
CONSULTING BNC	PLOT DATE = 22-FEB-2818 14:44	DATE - 2/21/2018	REVISED -		SCALE: AS_NOTED SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT	



INDEX OF SHEETS

- General Plan & Flevation 5-1
- General Notes, Index of Sheets, and Total Rill of Material 5-2
- Stage I Removal Details 5-3
- Stage I Construction Details S-4
- S-5 Stage II Removal Details
- 5-6 Stage II Construction Details
- S-7 Temporary Concrete Barrier for Stage Construction
- 5-8 Temporary Soil Retention System
- 5-9 Temporary Geotextile Retaining Wall
- S-10 Culvert Details I
- Culvert Details 11 5-11
- S-12 Culvert Details III
- S-13 Culvert Details IV
- S-14 Weir and Gabion Details at South End of Culvert
- S-15 Anchorage Slab Details
- Soldier Pile Wall Details S-16
- Aluminum Railing, Type L S-17
- S-18 Bicycle Railing
- S-19 Bar Splicer Assembly and Mechanical Splicer Details
- S-20 HP Pile Details
- 5-21 Soil Boring Logs
- 5-22 Existing Slope Protection - Typical Sections
- S-23 Existing Slope Protection - Landscaping Plan



PROFILE GRADE (Along PGL Cal-Sag Road)

\$ 8 Sta. 15+5 603.78 Sta. 17+2 603.11 Sta. 606. LVC = 295.0' +1.07% 0.38% -0.38% +2.34% LVC = 14 - 50.00 200.00 \$ 6 Sta. 603 5 4 Sta. 602.

PROFILE GRADE (Along PGL 127th Street)

GENERAL NOTES:

- 1. Reinforcement bars designated (E) shall be epoxy coated.
- Layout of the slope protection system may be varied to suit 2. ground conditions in the field as directed by the Engineer.
- 3. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.
- 4. Excavation required for construction of the culvert as shown in these plans and in accordance with the Standard Specifications shall be included in the cost of Concrete Box Culverts. Excavation for Soldier Pile wall will be paid for as Structure Excavation per Article 502 of the Standard Specifications.
- 5. Portions of the existing weir to be removed in order to construct the culvert. The remaining part shall be protected by the Contractor and temporarily braced, if needed. See sheet S-14 for the suggested method of construction that doesn't require bracing. The pay item is included in the event that the contractor chooses a different method. After the culvert is constructed, the weir shall be reconstructed and extended as required. The Contractor is solely responsible for the stability of the weir during construction. The cost of the temporary brace, if required, shall be included in the cost of Temporary Wall Bracing System pay item.
- Precast alternate is not allowed.
- It shall be the responsibility of the Contractor to divert flow during construction in order to keep construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and shall be included in the cost of Concrete Box Culverts. The water flow management during construction may possibly require sub-stages with temporary soil retention systems, in addition to the systems shown on the plans.
- All exposed concrete edges shall be chamfered 3/4" unless otherwise noted.
- The Contractor shall locate all existing utilities prior to construction. Any damage to utilities to be repaired at the Contractor's expense.
- 10. The contractor shall contact Bobby LaFann (309-303-9213) from Buckeye Partners, L.P. (West Shore) prior to any construction in the vicinity of the West Shore pipeline to schedule a watch and protect for the pipeline.
- The contractor is advised about the overhead electric line on the north side of existing structure. Extra caution is required when working near overhead lines.

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interims

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN FILL HEIGHT

Design earth cover = varies from 5'-6" to 6'-4" (Measured to top of pavement)

DESIGN STRESSES

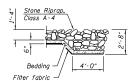
FIELD UNITS

3,500 psi fy = 60,000 psi (Reinforcement)

TOTAL BILL OF MATERIAL ITEM

STATION 116+38 40 BUILT 201_ BY STATE OF ILLINOIS F.A.P. RT. 344 SEC 3034B&N-2 I OADING HI - 93 STR. NO. 016-1331

NAME PLATE See Std. 515001



SECTION A-A

Notch formed by rough finished

with form work, each interior wall.

board attached to and removed

(Do not chamfer).

4'-0" 4'-0

B◀

Filter Fabric	Sq. Yd.	288
Gabions	Cu. Yd.	45
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	25
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	245.0
Concrete Structures	Cu. Yd.	15.8
Concrete Superstructure	Cu. Yd.	
Protective Coat	Sq. Yd.	
Stud Shear Connectors	Each	34
Reinforcement Bars	Pound	204,76
Reinforcement Bars, Epoxy Coated	Pound	5,410
Bar Splicers	Each	290
Aluminum Railing, Type L	Foot	39.5
Bicycle Railing	Foot	148
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	1.437
Furnishing Soldier Piles (HP Section)	Foot	120
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	340
Drilling and Setting Soldier Piles (In Rock)	Cu. Ft.	
Untreated Timber Lagging	Sq. Ft.	150
Geotextile Retaining Wall	Sq. Ft.	251
Concrete Box Culverts	Cu. Yd.	1,106
Geocomposite Wall Drain	Sq. Yd.	16
Gabion Removal	Cu. Yd.	28
Rock Fill	Cu. Yd.	507.6
Temporary Wall Bracing System	L. Sum	1

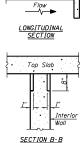
UNIT TOTAL

Drainage Area = 12.8 S									th St.)	
Prop. Low Grade Elev. 600.63 @ Prop. Sta. 11+00										
	Freq.			Sq. Ft.						
Flood	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.				
	10	1368	242.0	297.24	593.25	0.06		593.31		
Design	50	1665	266.0	328.92	594.18	0.13	0.0	594.31	594.18	
Base	100	1770	265.5	343.32				594.74		
Max. Calc.	500	2005	299.3	388.68	595.94	0.18	0.0	596.12	595.94	

Datum: NGVD29 (to convert from NGVD29 to NAVD88 subtract 0.31 feet)

- 10-Year Velocity through Proposed Bridge = 4.6 fps.
- 2-Year Peak Discharge Rate = 637 cfs. 2-Year Peak Elevation = 591.91
- 2 Year Bypass Water Opening = 211.3 sq. ft.

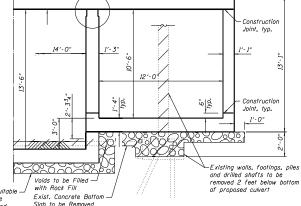
42'-8" Phoebe nesting site, typ (Downstream End).



PHOEBE NESTING SITE DETAILS (Downstream End Only)

Remove 12" of unsuitable material and replace with Rock Fill capped with CA6 or CA7

Symm, About

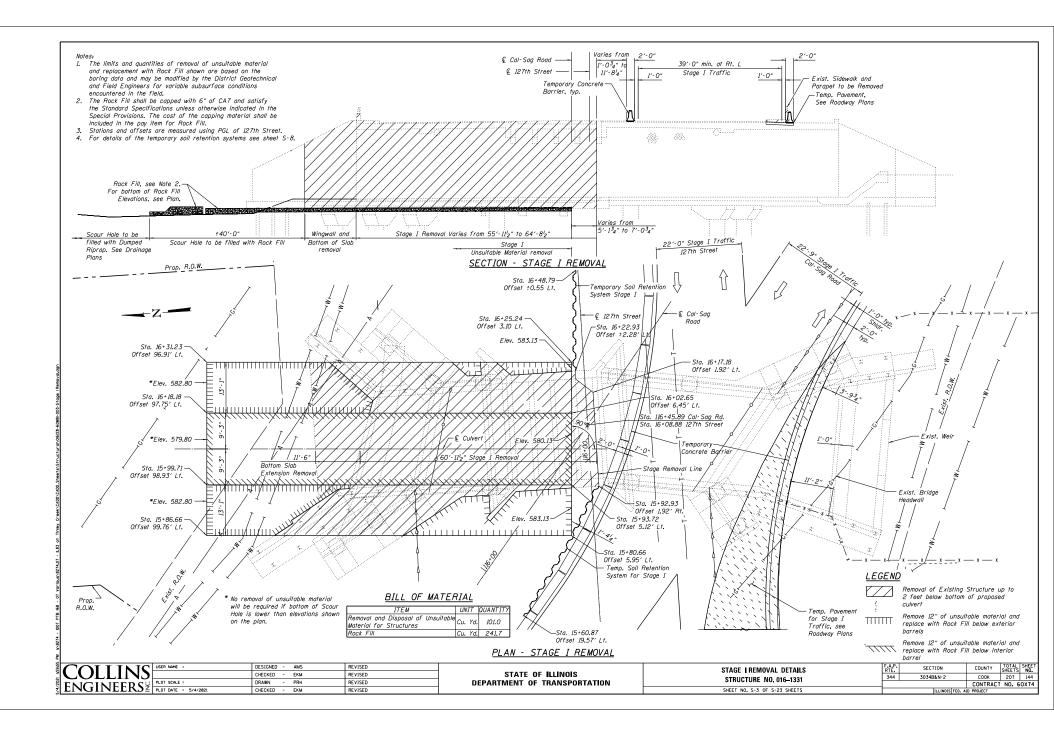


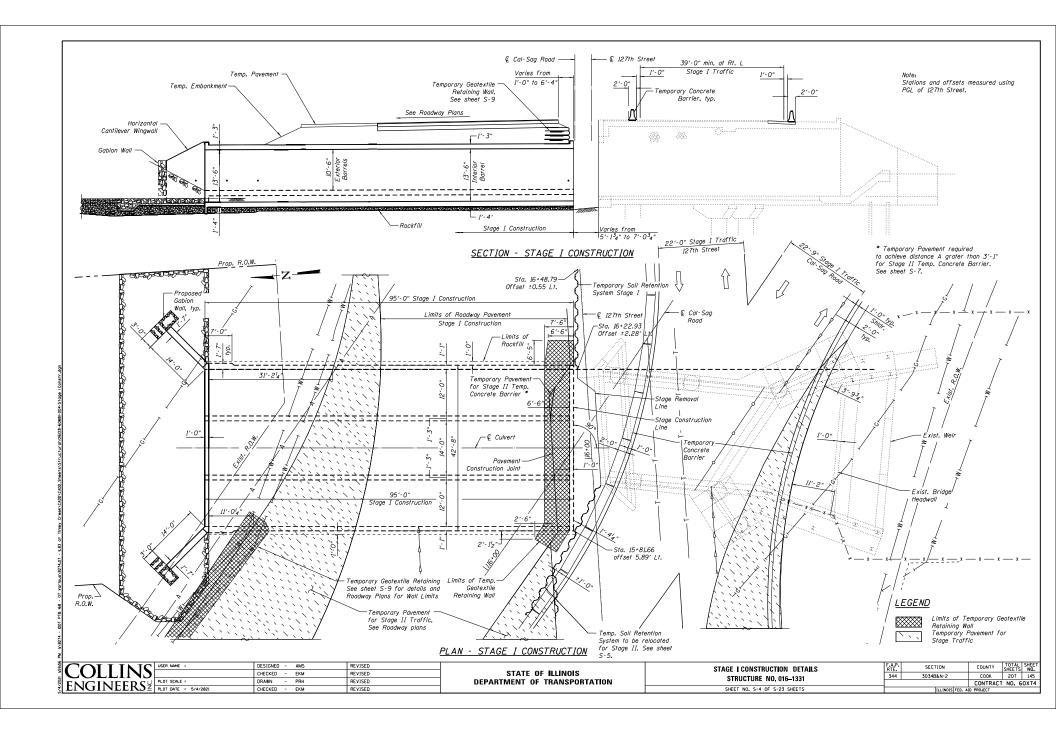
HALF-SECTION THRU BARRELS

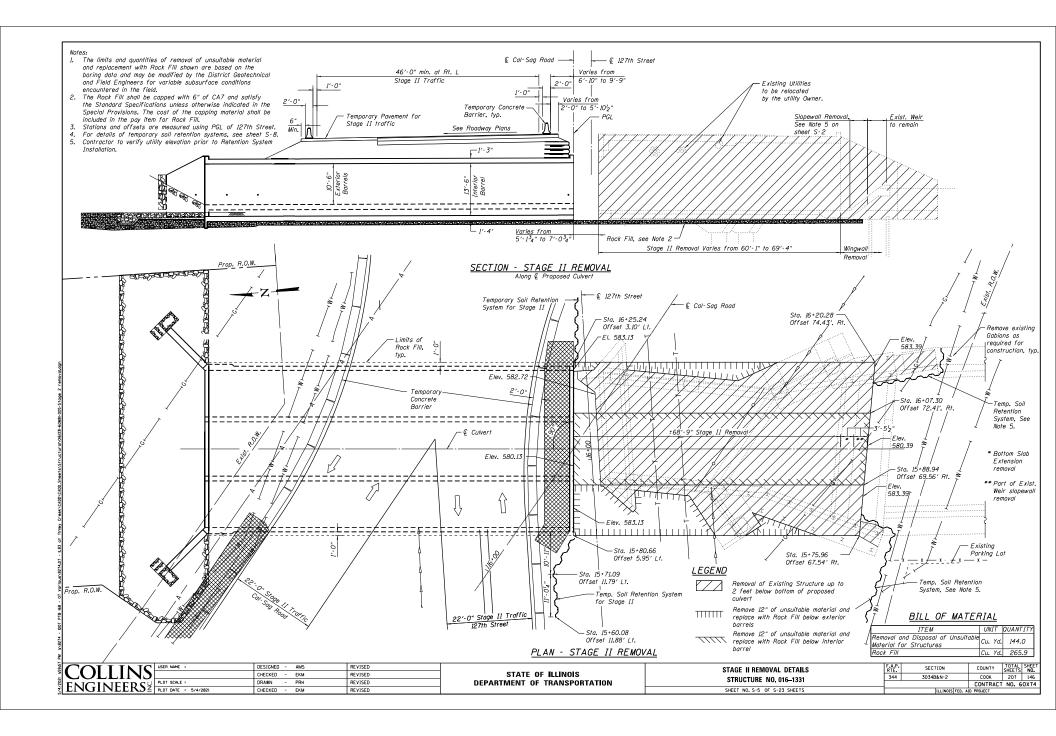
COLLINIC	USER NAME :	DESIGNED - AMS	REVISED
COLLINS		CHECKED - EKM	REVISED
ENICINIEEDC	PLOT SCALE :	DRAWN - PRH	REVISED .
ENGINEER32	PLOT DATE = 5/4/2021	CHECKED - EKM	REVISED

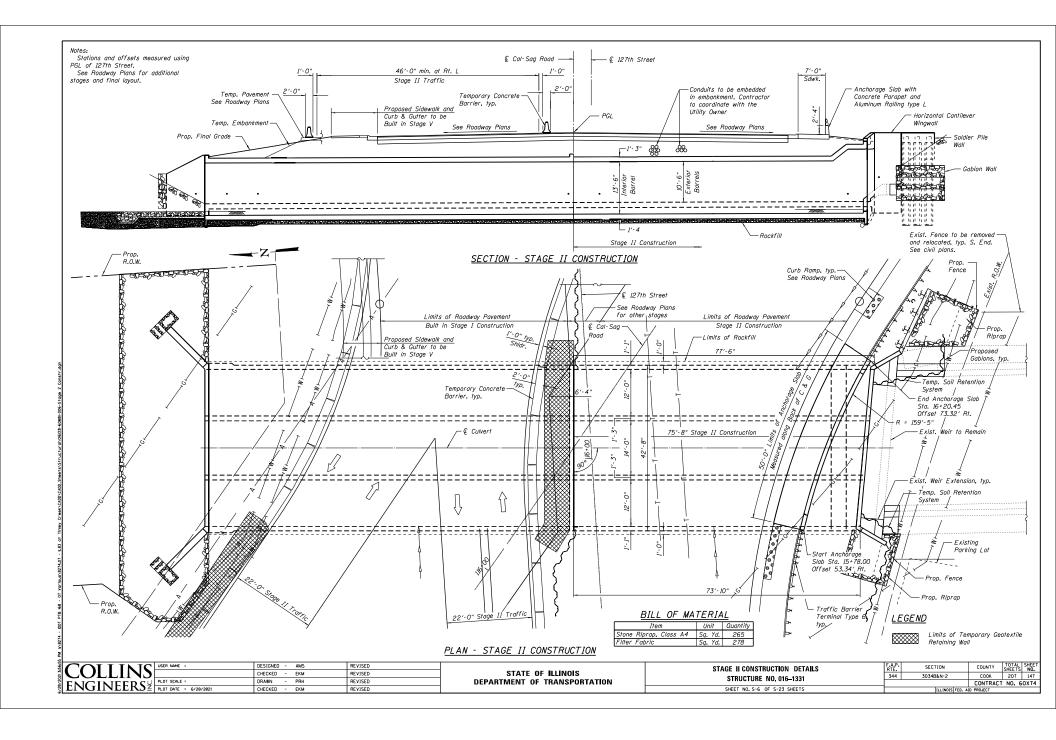
STATE OF BUINOIS DEPARTMENT OF TRANSPORTATION

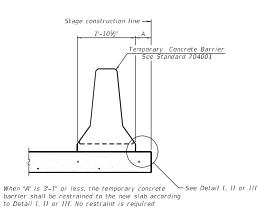
F.A.P. RTÉ.	SECTION	COUNTY	TOTAL	SHEET NO.
344 3034B&N-2		COOK	207	143
		CONTRACT	NO. 6	0X74
ILLINOIS FED. AID PROJECT				
		344 3034B&N-2	344 3034B&N-2 C00K CONTRACT	344 3034B&N-2 COOK 207 CONTRACT NO. 6

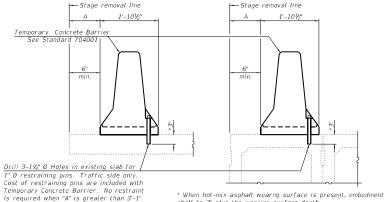












US Std. $1\frac{1}{16}$ " I.D. \times $2\frac{1}{2}$ " 0.D. x approx. 8 guage thick washer RESTRAINING PIN

7/16" Ø hole

1x8 UNC

EXISTING DECK BEAM

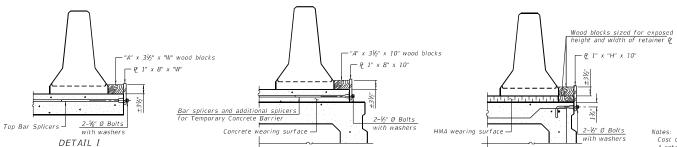
shall be 3" plus the wearing surface depth.

NEW SLAB OR NEW DECK BEAM

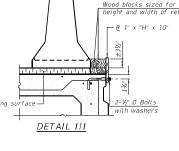
when "A" is greater than 3'-1".

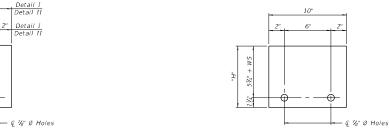
EXISTING SLAB

SECTIONS THRU SLAB OR DECK BEAM



DETAIL II





STEEL RETAINER F 1" x 8" x "W"

2" Top bars Spa.

(Detail I and II)

STEEL RETAINER P 1" x "H" x 10" (Detail III)

Cost of retainer assembly is included with Temporary Concrete Barrier. A retainer assembly shall be located at the approximate € of each temporary concrete barrier.

BAR SPLICER FOR #4 BAR - DETAIL III

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 11/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

- Detail I Installation for a new bridge deck or bridge slab.
- Detail II Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.
- Detail III Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

2-17-2017

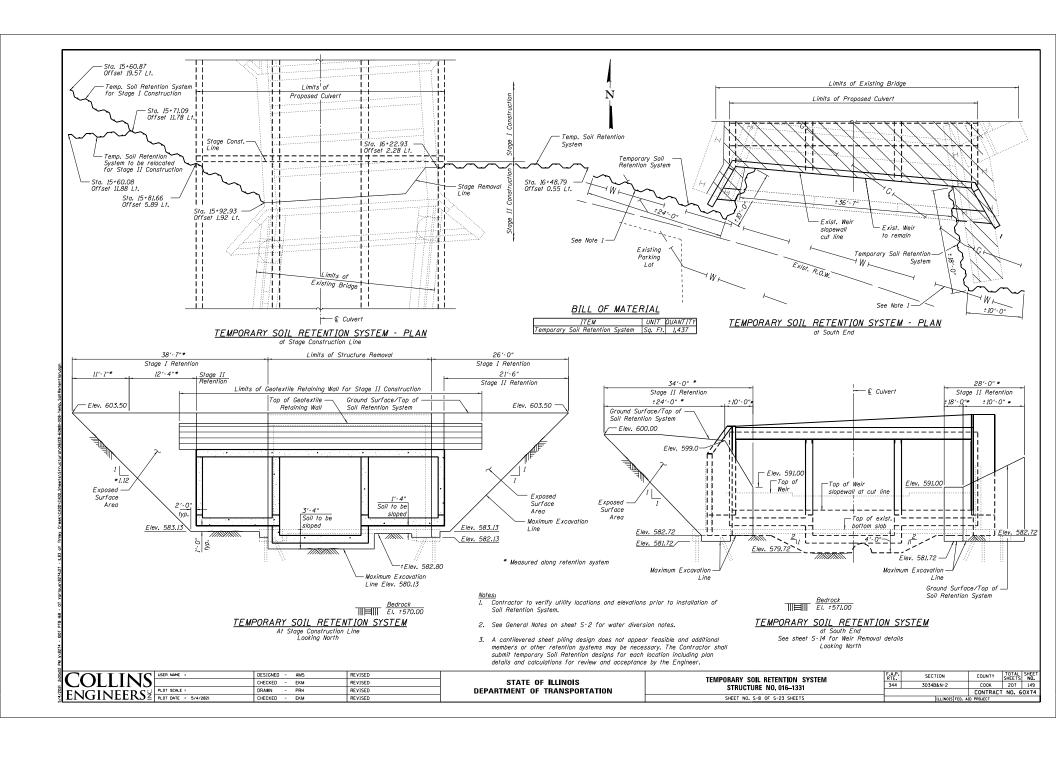
COLLINIC	USER NAME :	DESIGNED - AMS	REVISED
ICOLLINS		CHECKED - EKM	REV1SED
ENICINIEEDS	PLOT SCALE =	DRAWN - PRH	REVISED
ENGINEERS	PLOT DATE = 5/4/2021	CHECKED - EKM	REVISED

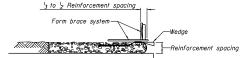
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY CONC	RETE BARRIER FOR STAGE CONSTRUCTION	F.
	STRUCTURE NO, 016-1331	3
	SHEET NO. S-7 OF S-23 SHEETS	-

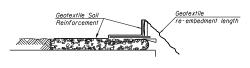
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
344	3034B&N-2	COOK	207	148	
		CONTRACT	NO. 6	0X74	
ILLINOIS FED. AID PROJECT					

R-27

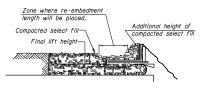




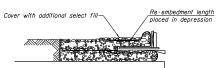
I. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of 13 to 12 the geotextile reinforcement spacing.



2. Position fabric so that the required geotextile re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level-



3. Compact select fill material in lifts to final lift height, create (±3") depression in zone where re-embedment length will be located and place additional height of compacted select fill against form brace.



4. Fold geotextile re-embedment length back over form brace into zone where depression was made in select fill and place additional select fill (±3") to embed geotextile and bring to final lift height.



to slightly readjust to form tight round face

5. Pull form brace outward allowing geotextile face level with plan reinforcement spacing.

Limits of select fill *Extend Stage II Temporary Soil Retention 6'-6" System at East Wall as required in area where 2:1 slope of embankment is not possible. See Geotextile Soil sheet S-8 for details Reinforcement, typ. BILL OF MATERIAL TEMPORARY GEOTEXTILE WALL SECTION UNIT QUANTITY Sq. Ft. 251 At Culvert's Stage Construction Line

Varies

*1'-0" to

6'-4"

Pavement and Agaregate Subbase.

See Roadway Plans

ITEM Geotextile Retaining Wall

Embankment.

See Roadway Plans

4'-6"

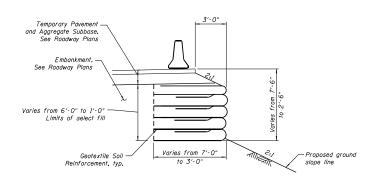
- Stage Construction Line

— Stage Removal

Line

Top of existing

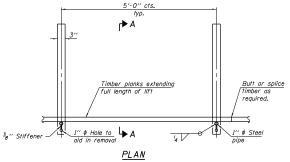
bridge slab



TEMPORARY GEOTEXTILE WALL SECTION

For Stage II temporary pavement at North West end of culvert. See Roadway Plans for limits and quantities.

GEOTEXTILE WALL CONSTRUCTION SEQUENCE



2'' x <u>14''</u> (nominal) timber planks -1" ♦ Steel pipe -R 38" x 3'-0" Wood wedge to maintain vertical face 3'-0"

SECTION A-A **GEOTEXTILE** FORM BRACE DETAIL

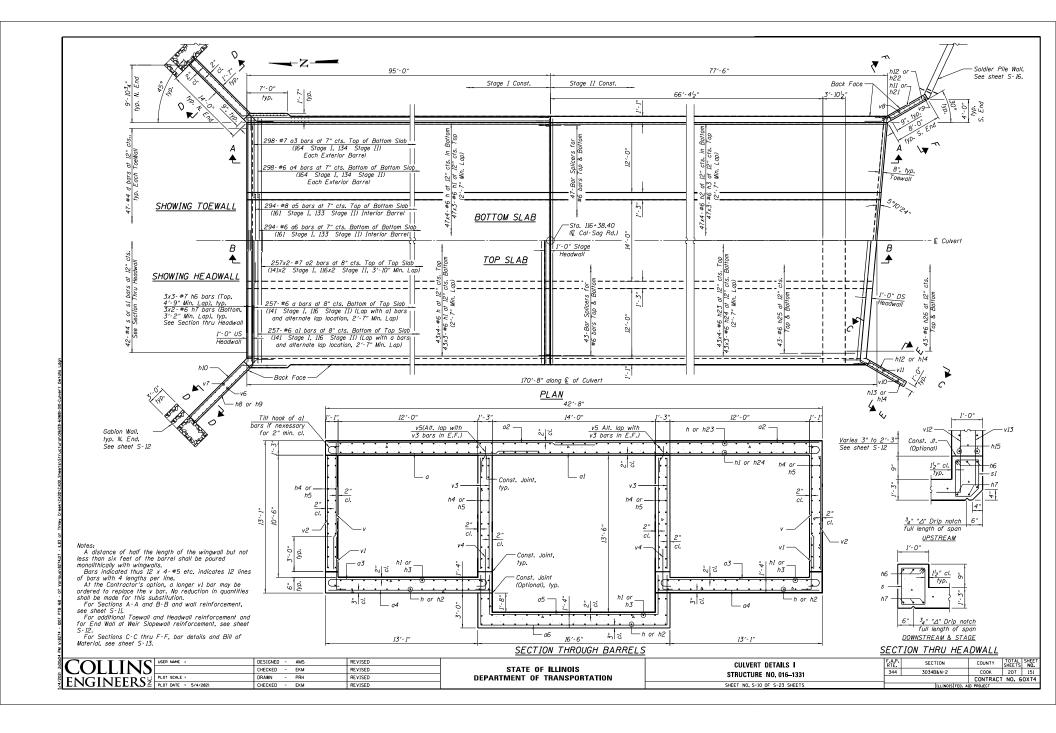
This is a suggested detail, the Contractor is responsible for the design of the form brace system to be used.

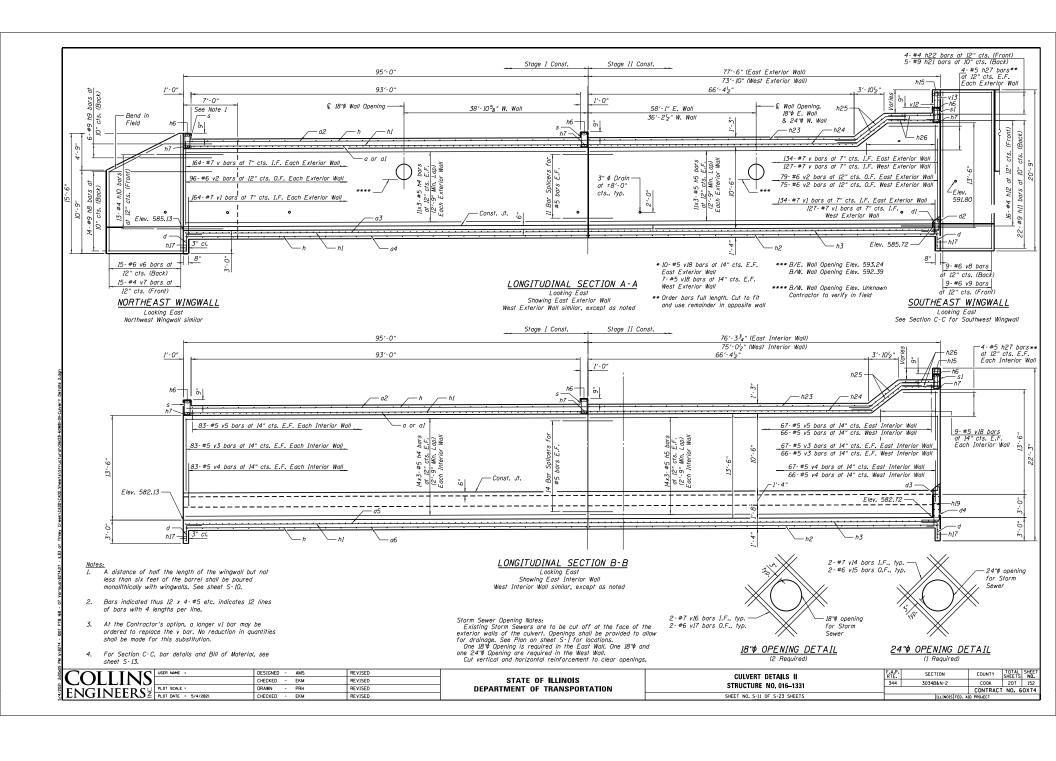
The geotextile soil reinforcement shall have a minimum allowable tensile strength (T min.) of 50 lb./in. as determined by the procedure described in Standard Specifications Section 522. The computations supporting the determination of (T min.) shall be submitted to the engineer for approval.

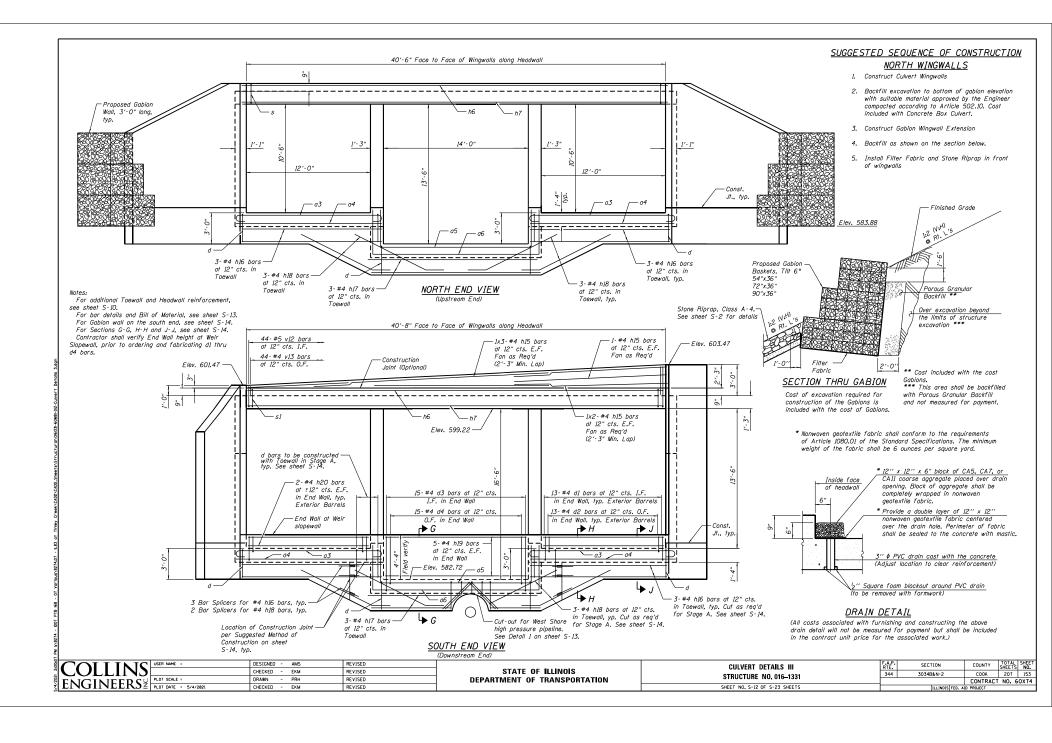
COTITION USER NAME :	DESIGNED - AMS	REVISED
ICOLLINS	CHECKED - EKM	REVISED .
ENICINITED CU PLOT SCALE :	DRAWN - PRH	REVISED
ENGINEERS Z PLOT DATE : 6/28/2021	CHECKED - EKM	REVISED

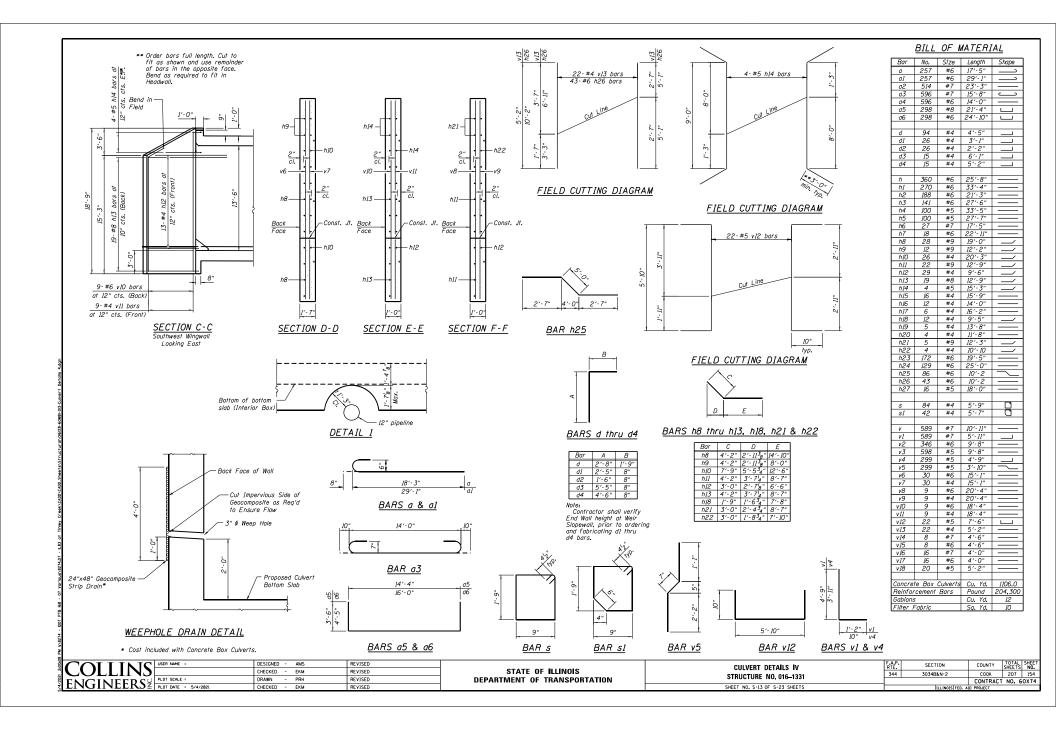
STATE	: 01	ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

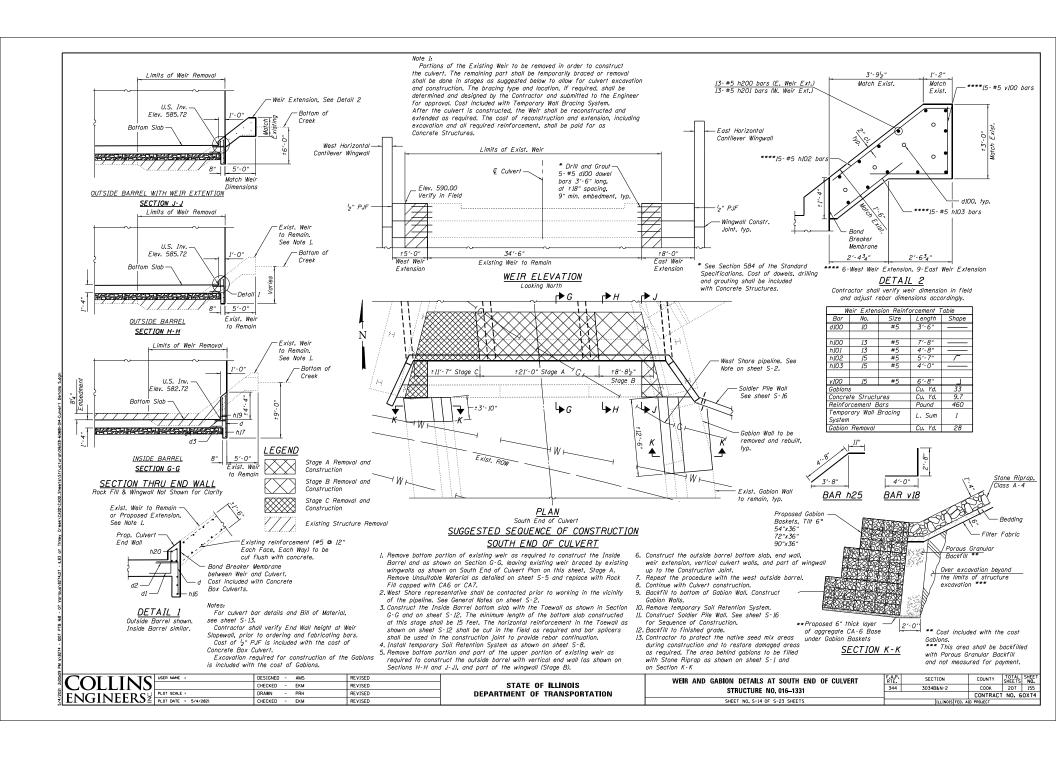
TEMPORARY GEOTEXTILE RETAINING WALL		SECTION	COUNTY	UNTY TOTAL SHEET	
STRUCTURE NO. 016-1331	344	3034B&N-2	COOK	207	150
			CONTRACT	NO. 6	0X74
SHEET NO. S-9 OF S-23 SHEETS		ILLINOIS FED. AI	D PROJECT		

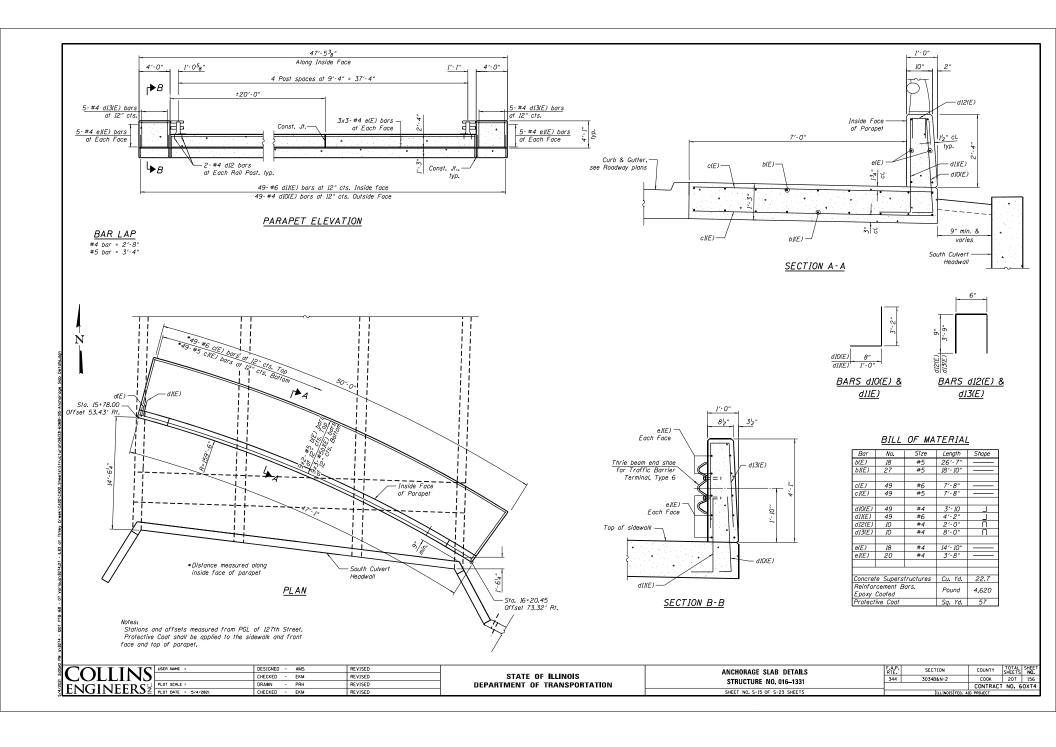


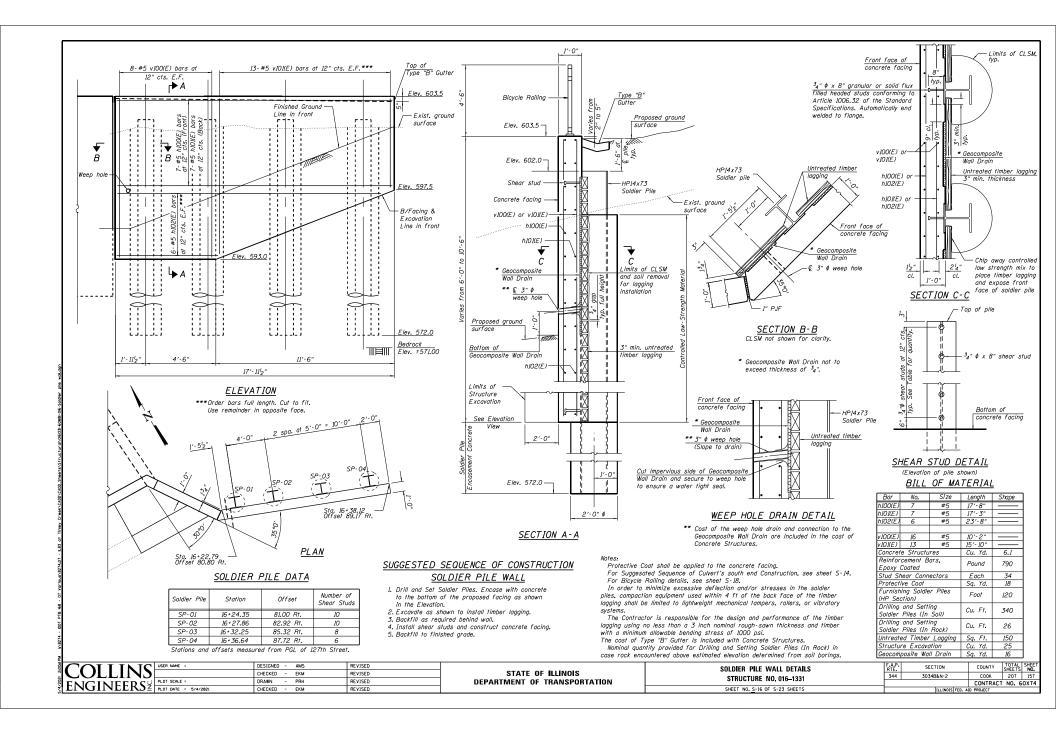


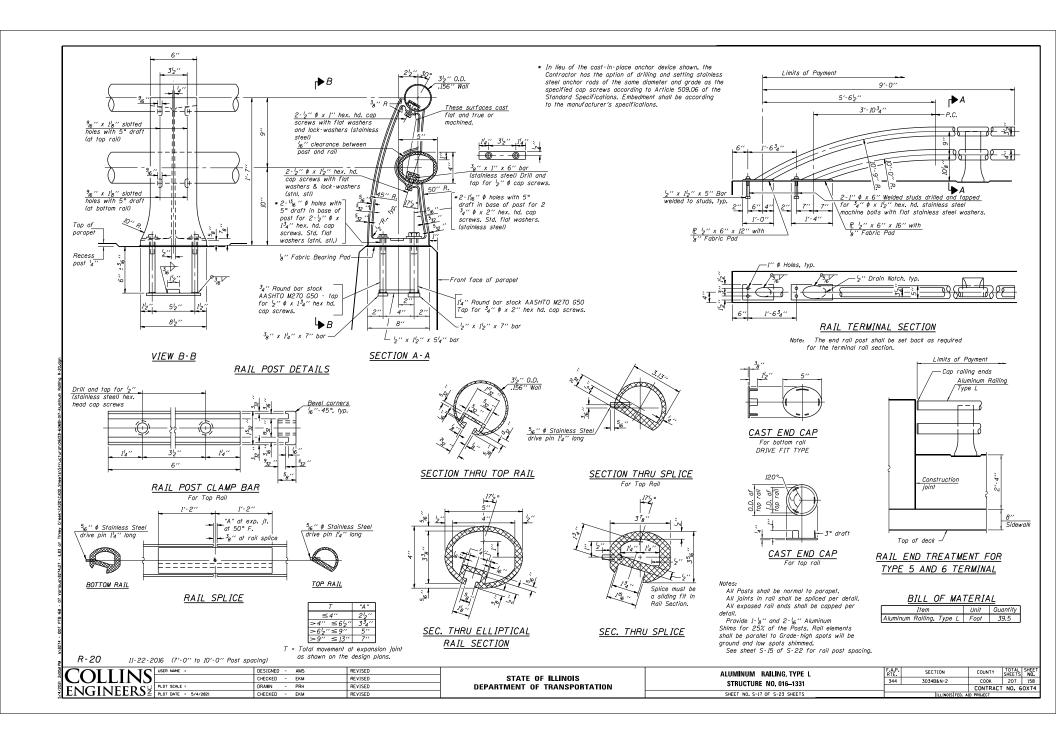


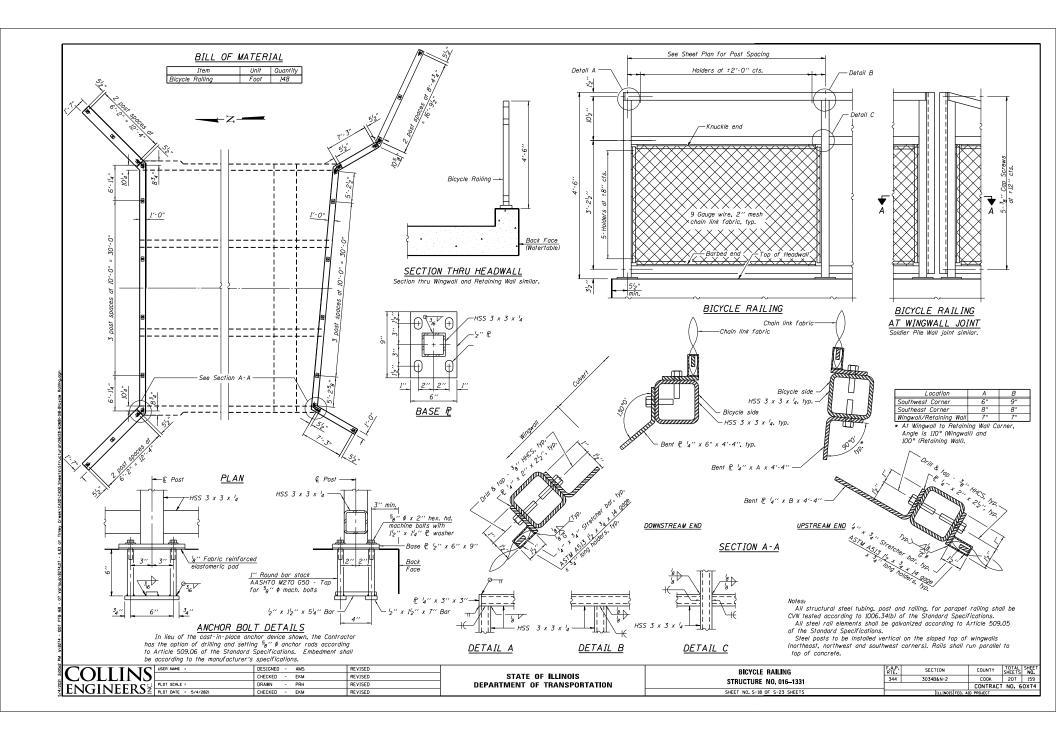


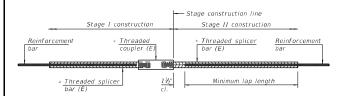










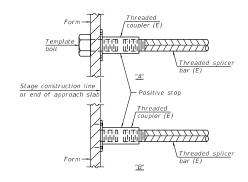


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + $1\frac{1}{2}$ " + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

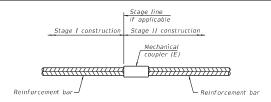
Location	Bar size	No. assemblies required	Minimum Iap length
Top Slab	#6	86	2'-7"
Botttom Slab	#6	94	2'-7"
Walls	#5	100	2'-9"
South Toewall	#4	10	1'-9"



INSTALLATION AND SETTING METHODS

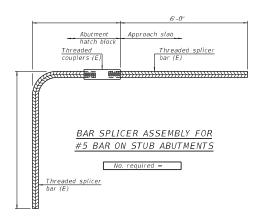
"A" : Set bar splicer assembly by means of a template bolt. "A": Set Dar Spincer assembly by mailing to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



NOTES Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

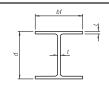
BSD-1 2-17-2017

COLLINIC	USER NAME :	DESIGNED - AMS	REVISED
		CHECKED - EKM	REVISED
SENICINITED CO	PLOT SCALE :	DRAWN - PRH	REVISED .
EING INECKS	PLOT DATE = 5/4/2021	CHECKED - EKM	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

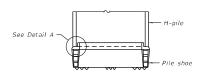
BAR	SPLICER	ASSEMBLY	AND	MECHANICAL	SPLICER	DETAILS
		STRUC	TURE	NO. 016-1331		
		CUEET NO		OF C OF CHEFTS		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	3034B&N-2	COOK	207	160
		CONTRACT	NO. 6	0X74
	ILLINOIS FED. A	D PROJECT		

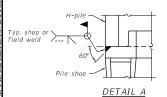


STEEL PILE TABLE

Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14×117	141/4"	141/8"	13/16"	30"
x102	14"	14¾"	13/16"	30"
x89	131/8"	14%"	5⁄8″	30"
x73	13⅓"	14%"	1/2"	30"
HP 12x84	121/4"	121/4"	11/16"	24"
x74	12½"	121/4"	%"	24"
x63	12"	12½"	1∕2"	24"
x53	11¾"	12"	7/16"	24"
HP 10x57	10"	101/4"	%16"	24"
x42	9¾"	101/8"	7/16"	24"
HP 8x36	8"	8½"	V ₁₆ "	18"

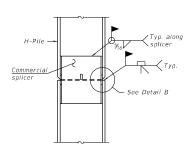


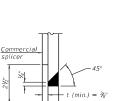
ELEVATION



SHOE ATTACHMENT

The steel H-piles shall be according to AASHTO M270 Grade 50.

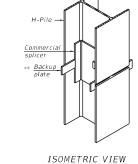




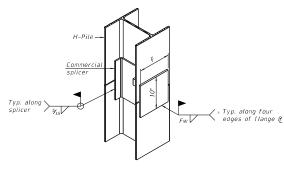
ELEVATION

Backup plate

DETAIL "B"



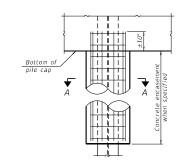
WELDED COMMERCIAL SPLICE

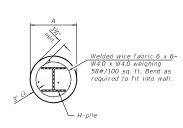


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (\S_{16} " min.).



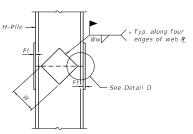


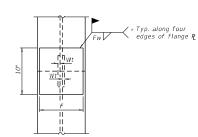
ELEVATION

SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT

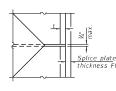
(Forms for encasement may be omitted when soil conditions permit).





ELEVATION



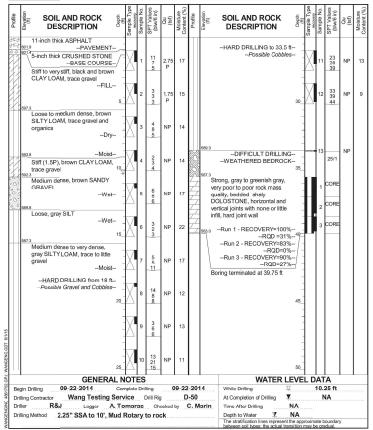


DETAIL D

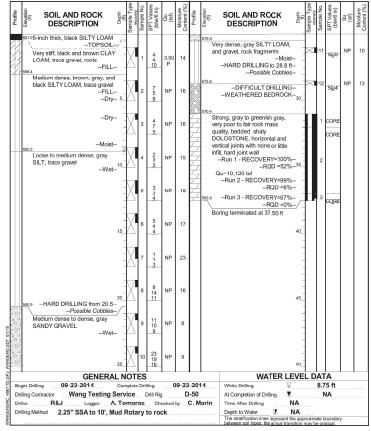
Designation	F	Ft	Fw	w	Wt	Ww
HP 14x117	121/2"	1"	7/8"	7¾"	5%"	1/2"
x102	121/2"	7/8"	₹4"	7¾"	5/8"	1/2"
x89	121/2"	₹4"	11/16"	7¾"	5/8"	1/2"
x73	121/2"	5/8″	%16"	7¾"	5/8"	1∕2"
HP 12x84	10"	7/8"	11/16"	6½"	5/8"	N2"
x74	10"	7/8"	11/16"	61/2"	%"	1/2,,
x63	10"	5/8″	1∕2"	6½"	1/2"	3/8"
x53	10"	5/8″	1/2"	61/2"	1/2"	3%"
HP 10x57	8"	₹4"	9/16"	5¼"	1/2"	3%"
x42	8"	5/8"	9/16"	51/4"	1/2"	3/6"
HP 8x36	7"	5/8″	7∕16″	4¼"	1/2"	3/8"

WELDED PLATE FIELD SPLICE

2-17-2017 COUNTY | TOTAL SHEET NO. | COOK | 207 | 161 | CONTRACT | NO. | 60X74 DESIGNED - AMS REVISED SECTION **HP PILE DETAILS** STATE OF ILLINOIS CHECKED - EKM REVISED STRUCTURE NO. 016-1331 3034B&N-2 DEPARTMENT OF TRANSPORTATION ENGINEERS PLOT SCALE : PLOT DATE : 5/4/2021 DRAWN - PRH REVISED SHEET NO. S-20 OF S-23 SHEETS CHECKED - EKM REVISED





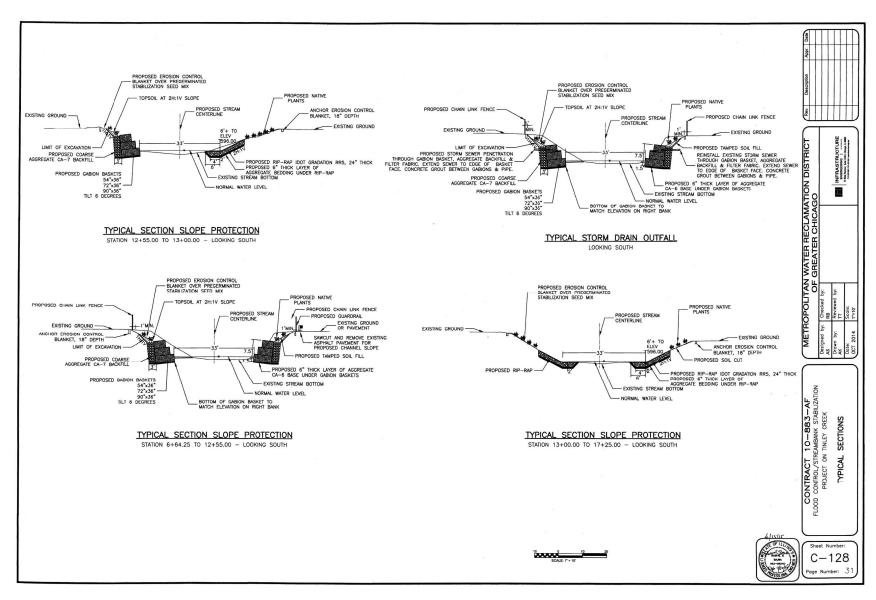


Note: Stations and offsets are measured using PGL of Cal-Sag Road.

COLLINS	USER NAME :	DESIGNED - AMS	REVISED	_
ICOLLINS		CHECKED - EKM	REVISED	
ENICINIEEDCO	PLOT SCALE :	DRAWN - PRH	REVISED	
ENGINEERS	PLOT DATE = 5/4/2021	CHECKED - EKM	REVISED	

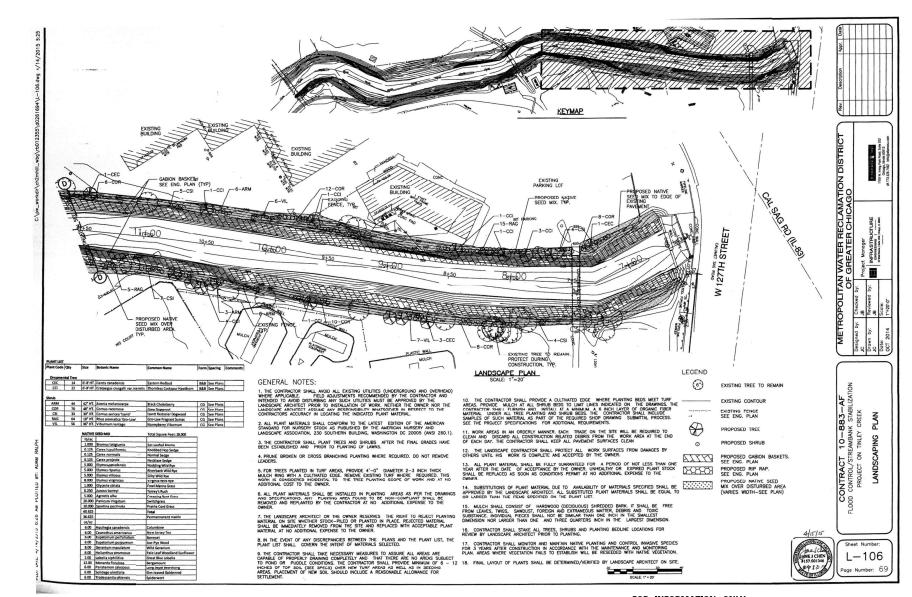
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEE NO.
STRUCTURE NO. 016-1331	344	3034B&N-2	COOK	207	162
	_		CONTRACT	NO.	60X74
SHEET NO. S-21 OF S-23 SHEETS		ILLINOIS FED.	AID PROJECT		



FOR INFORMATION ONLY

COLLINIC USER NAME :	DESIGNED - AMS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING SLOPE PROTECTION – TYPICAL SECTIONS		SECTION	COUNTY	TOTAL SHEETS	SHEET S NO.
	CHECKED - EKM	REVISED		STRUCTURE NO. 016-1331	344	3034B&N-2	COOK	207	163
FNGINFFR SZ	DRAWN - PRH	REVISED					CONTRAC	T NO. /	60X74
EINGTINEERS ≥ PLOT DATE = 5/4/2021	CHECKED - EKM	REVISED		SHEET NO. S-22 OF S-23 SHEETS		ILLINOIS FED.	AID PROJECT		

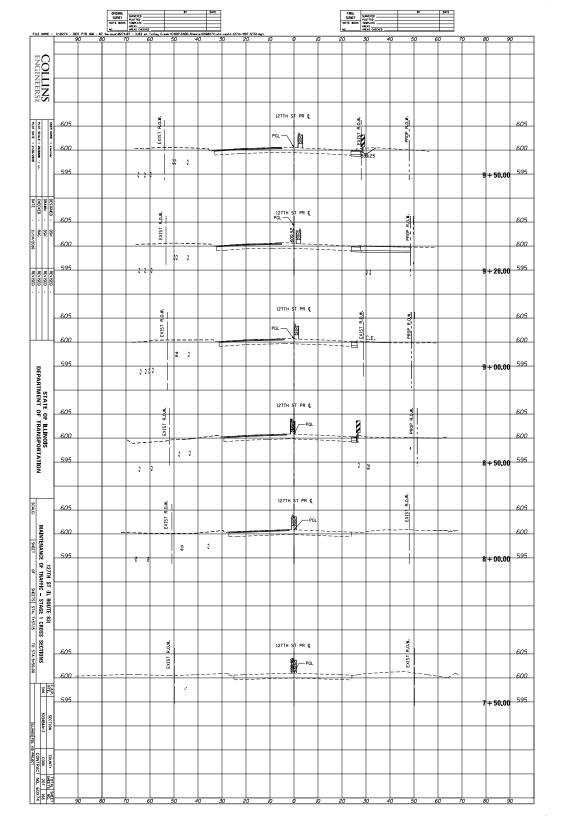


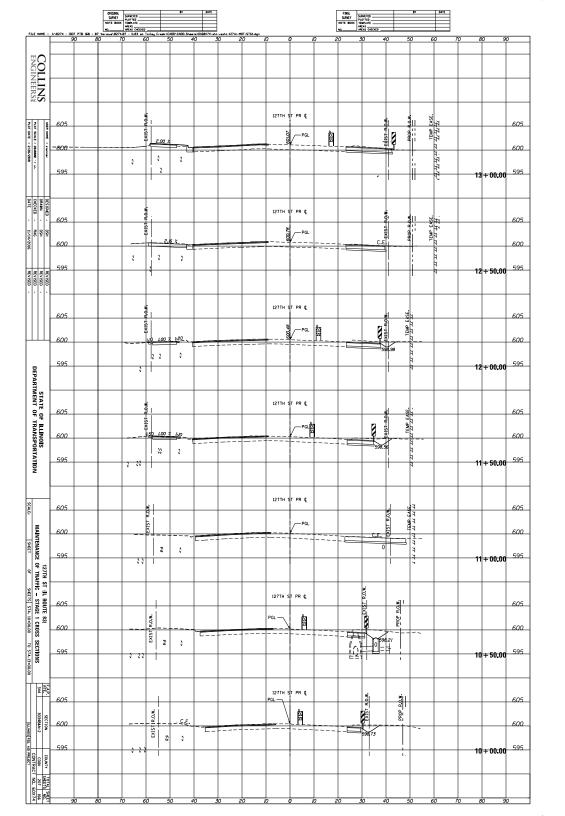
FOR INFORMATION ONLY

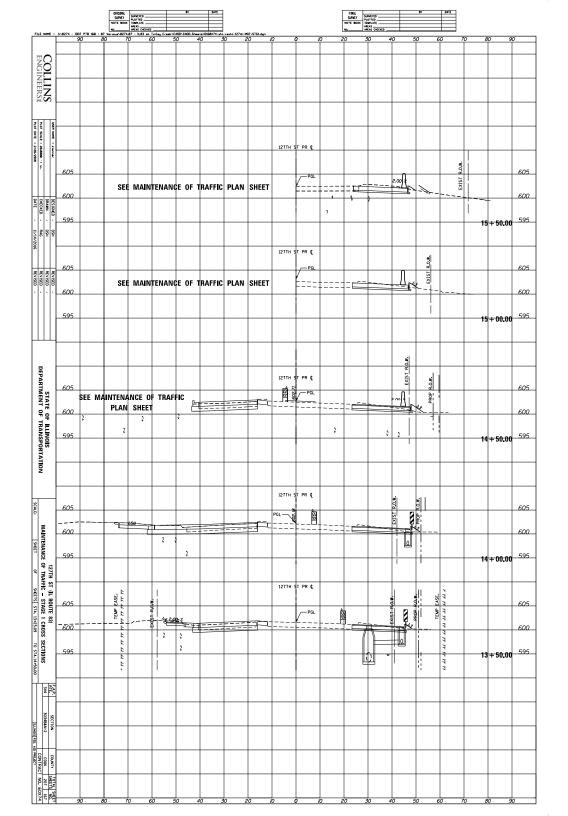
SECTION **EXISTING SLOPE PROTECTION - LANDSCAPING PLAN** STRUCTURE NO. 016-1331 3034B&N-2 SHEET NO. S-23 OF S-23 SHEETS

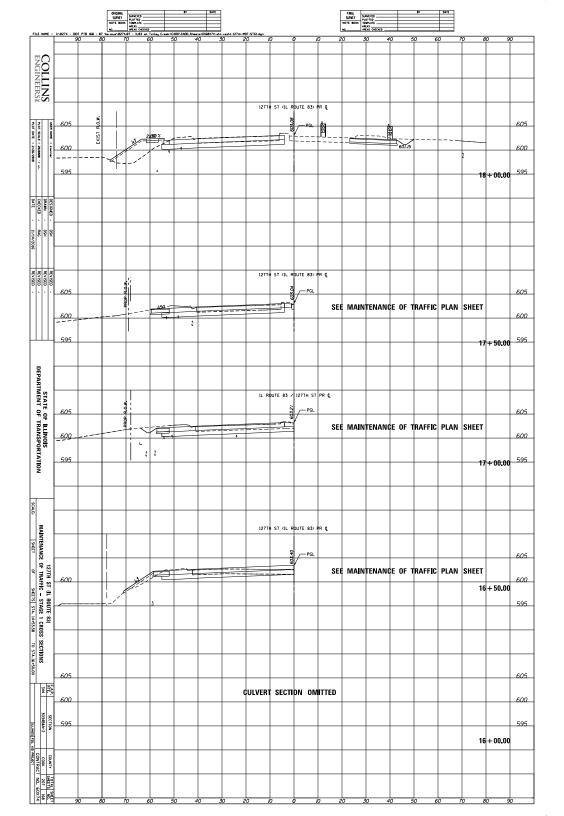
COLLINIC	USER NAME :	DESIGNED -		AMS	REVISED	
COLLINS		CHECKED -		EKM	REVISED .	
	PLOT SCALE :	DRAWN -	- 1	PRH	REVISED	
ENGINEEKS2	PLOT DATE = 5/4/2021	CHECKED -	. 1	EKM	REVISED	

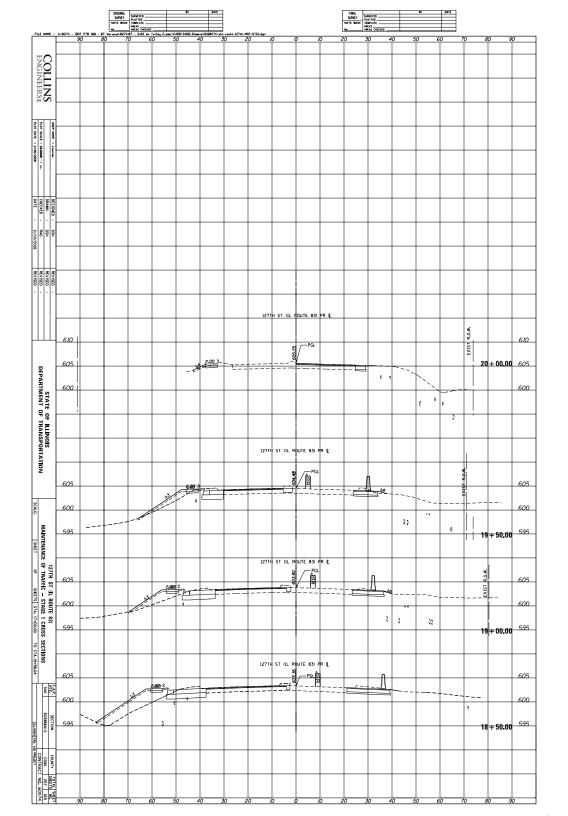
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

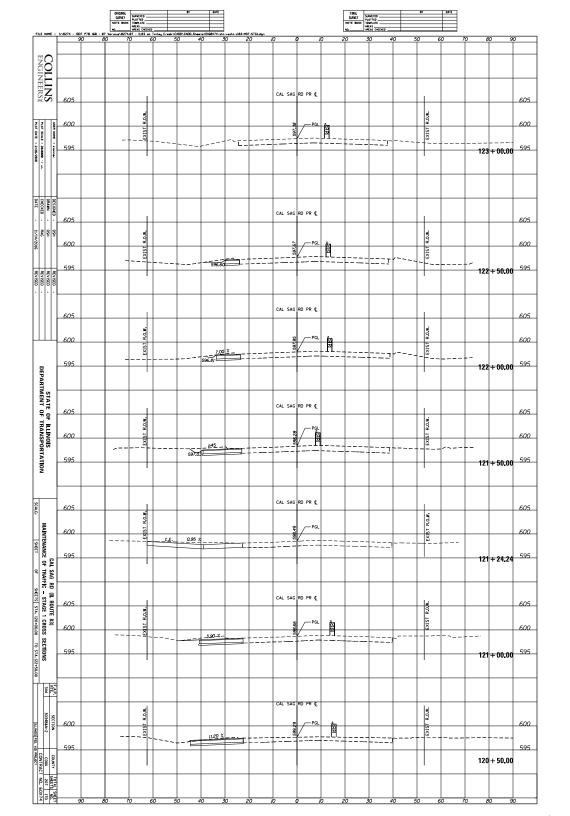


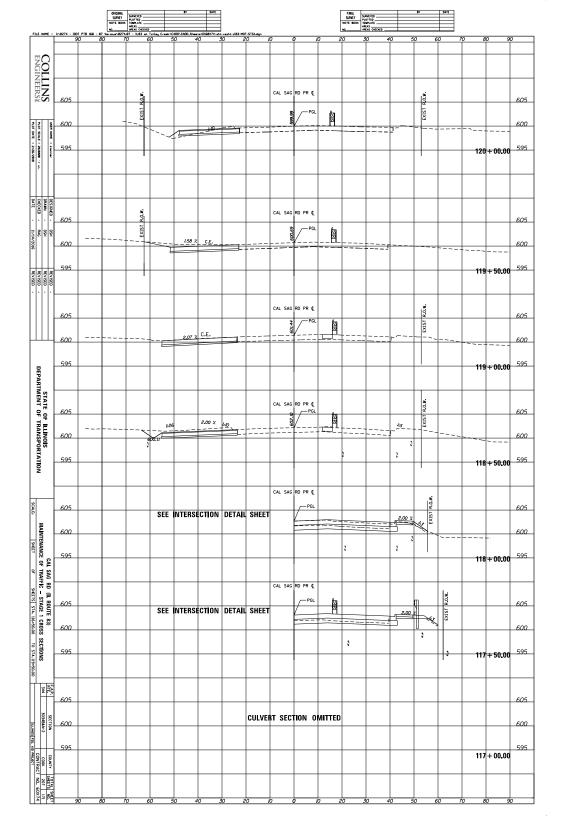


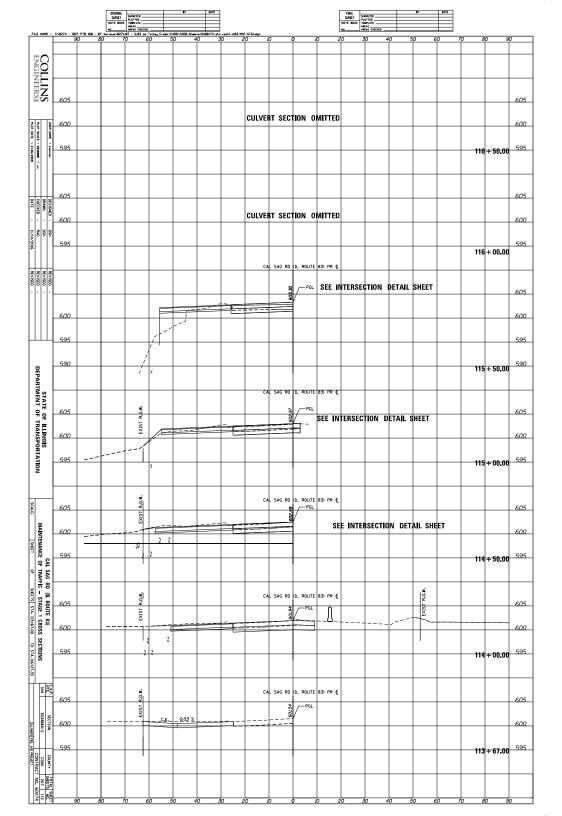


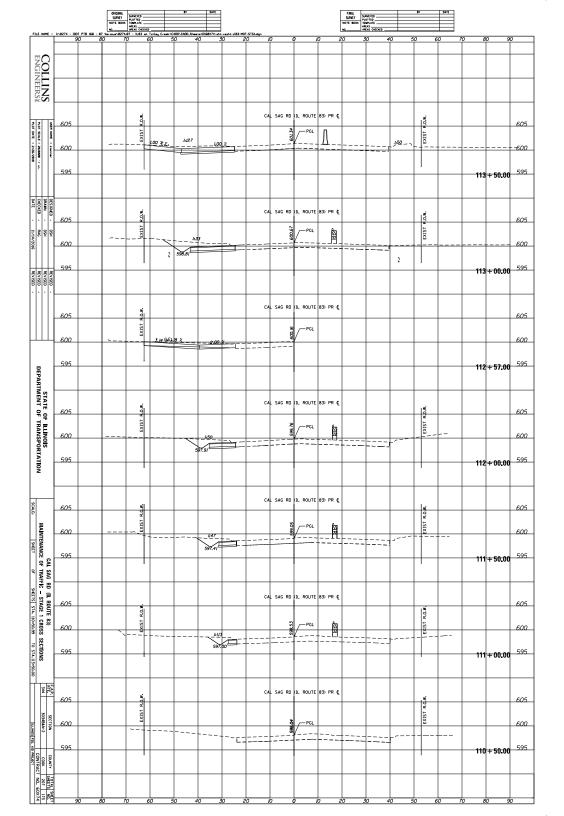


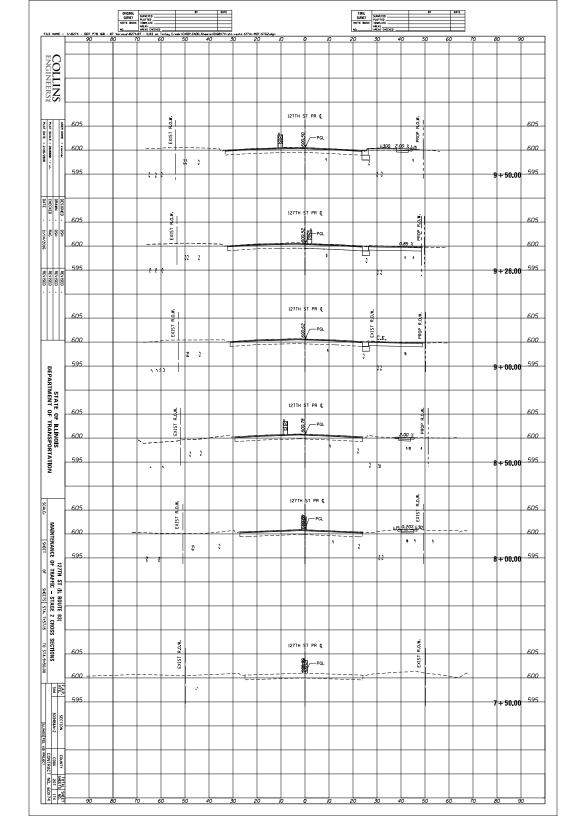


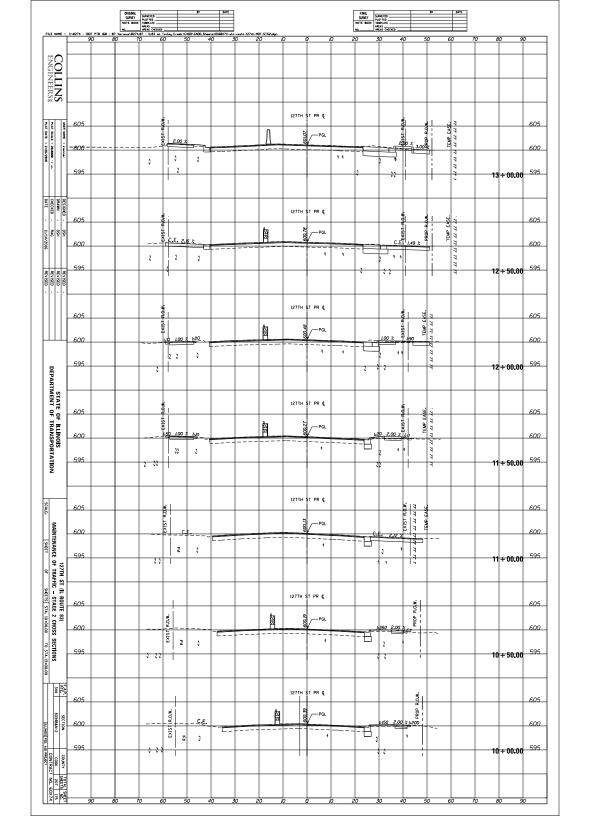


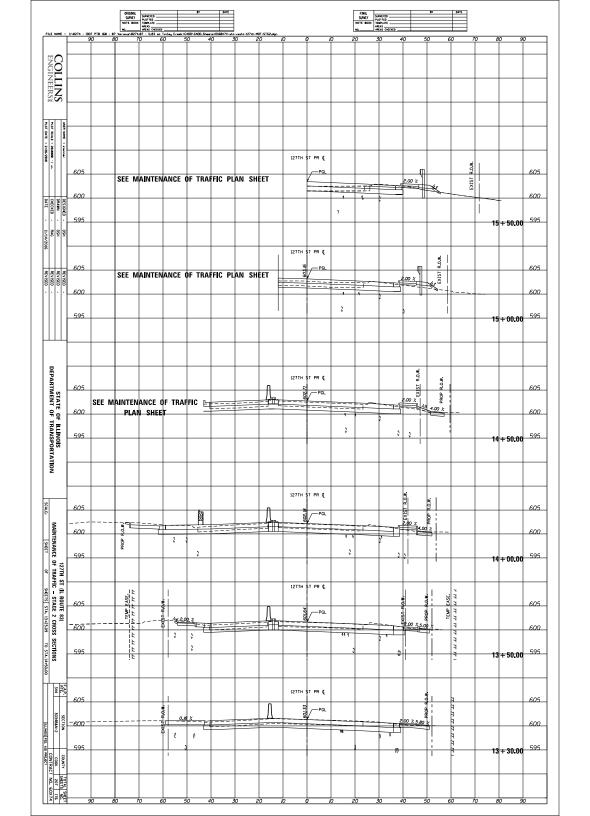


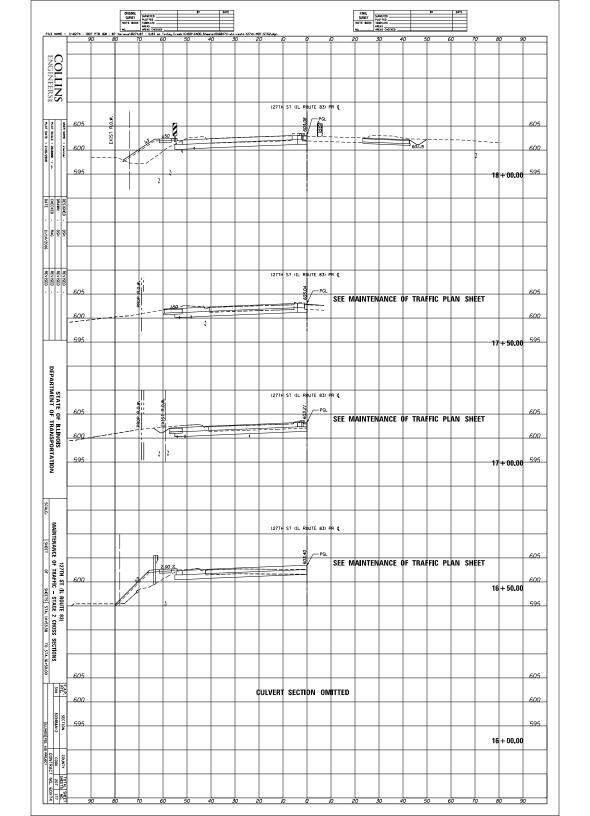


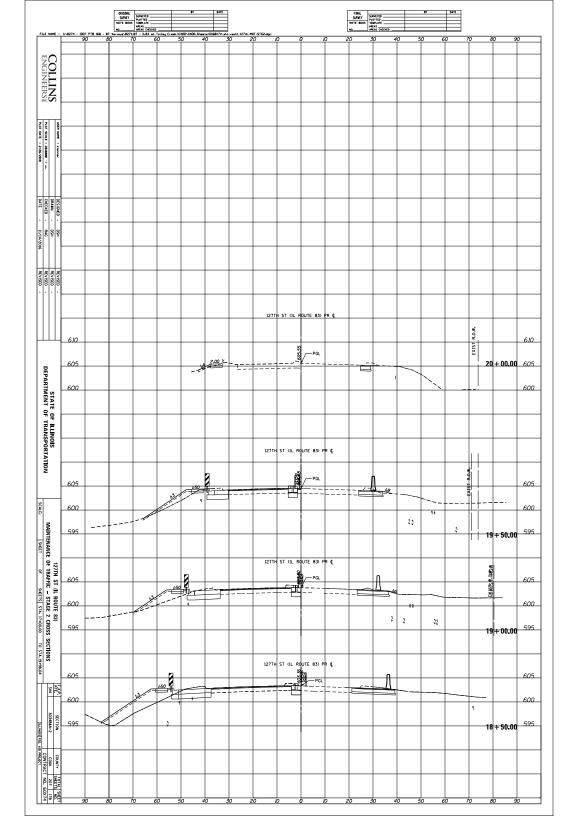


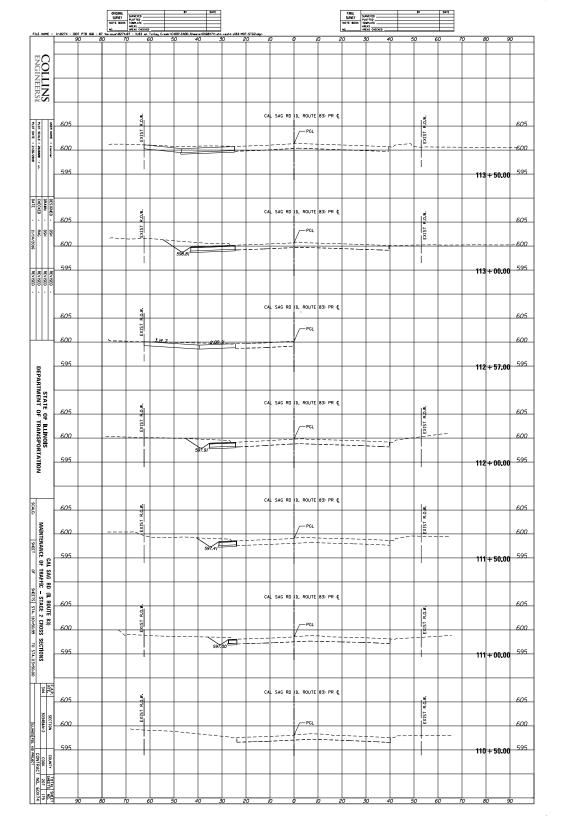


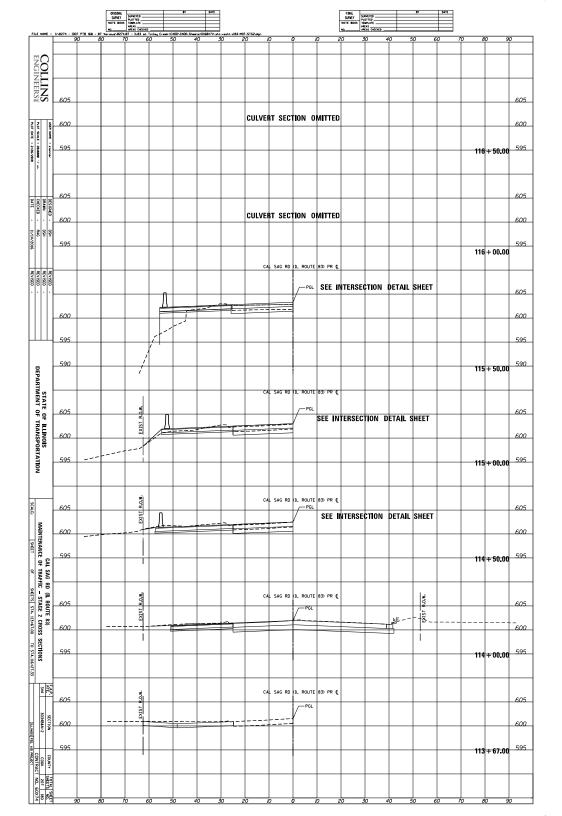


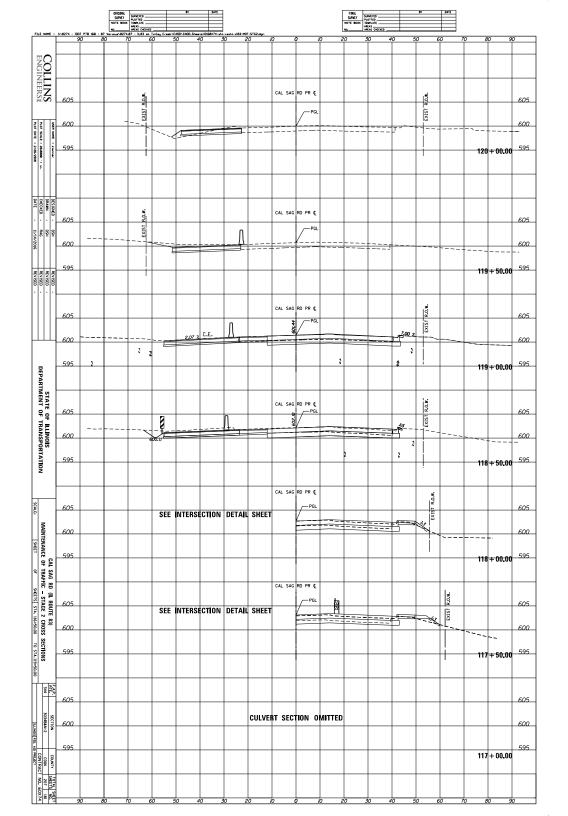


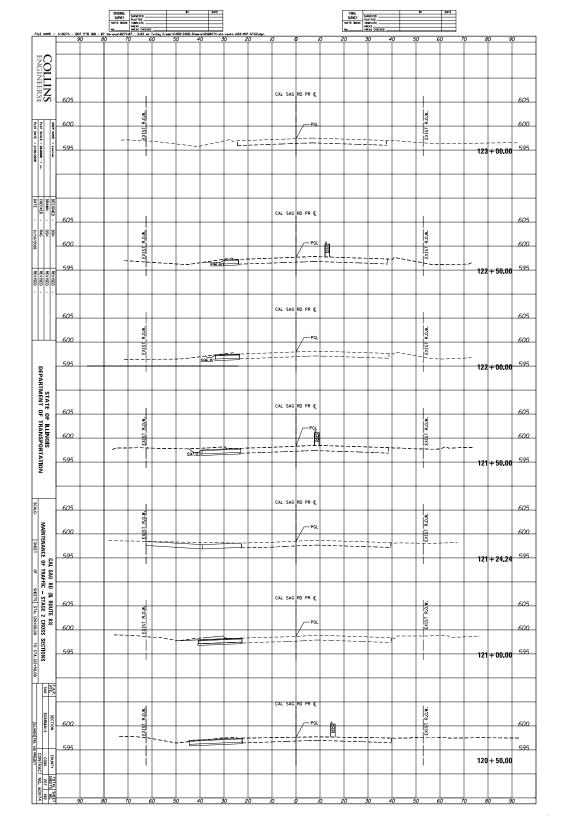


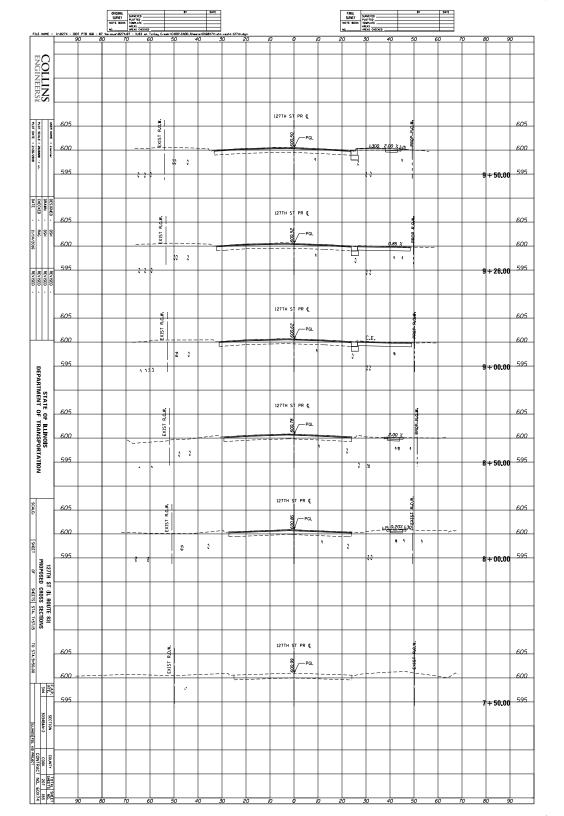




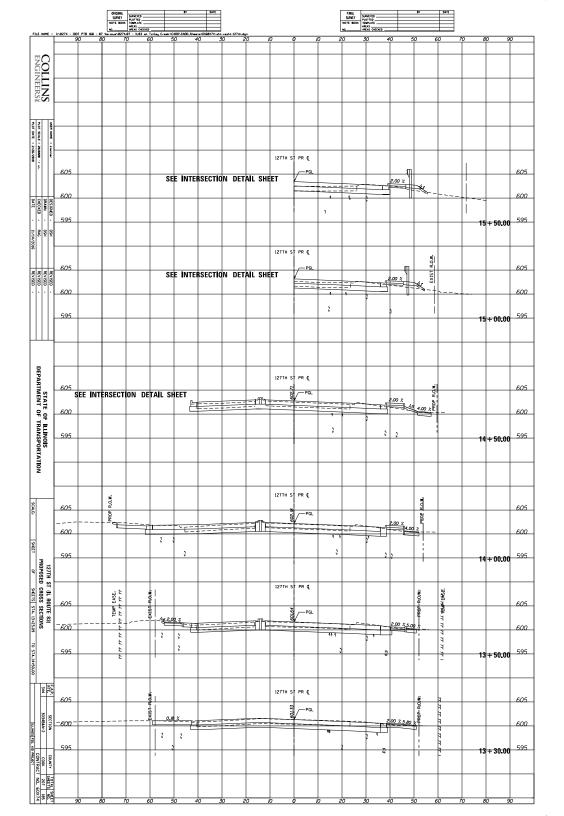


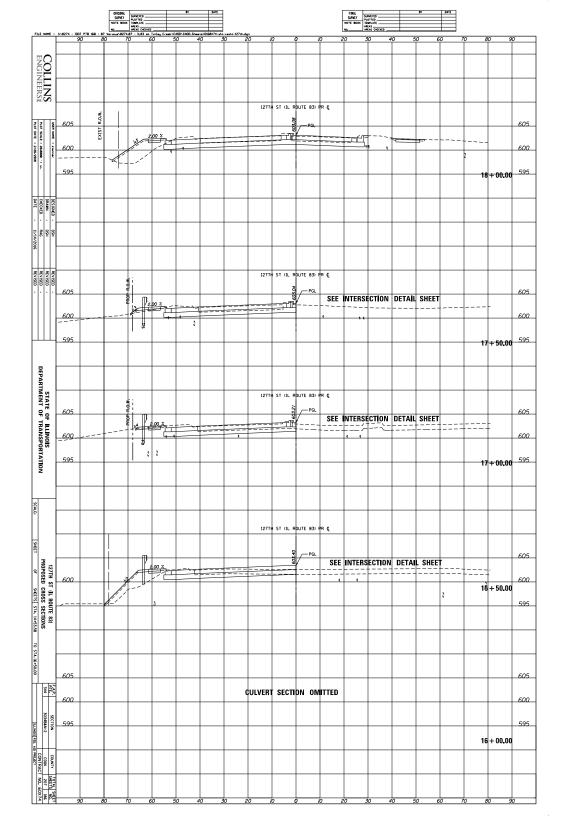


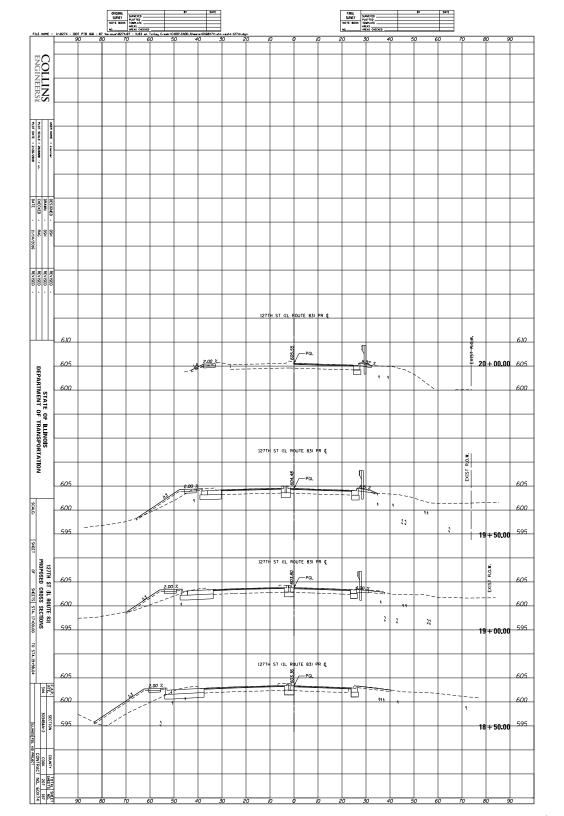


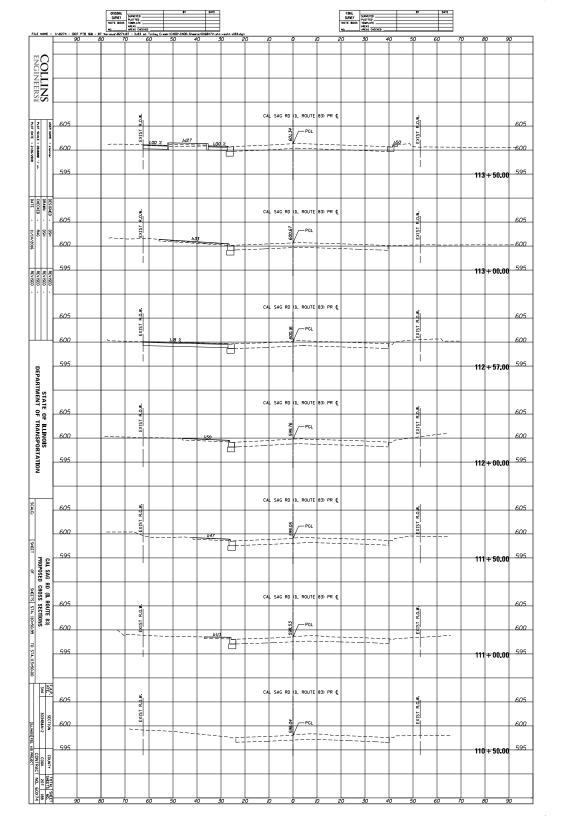


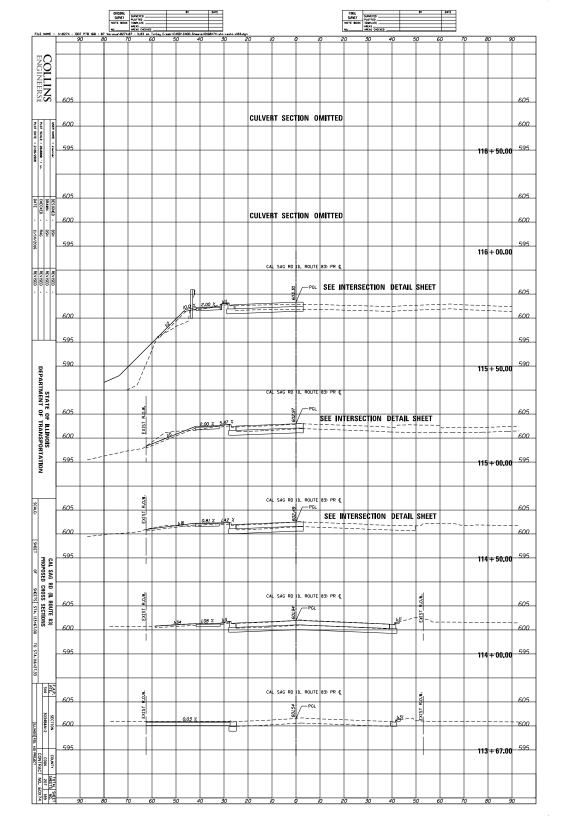
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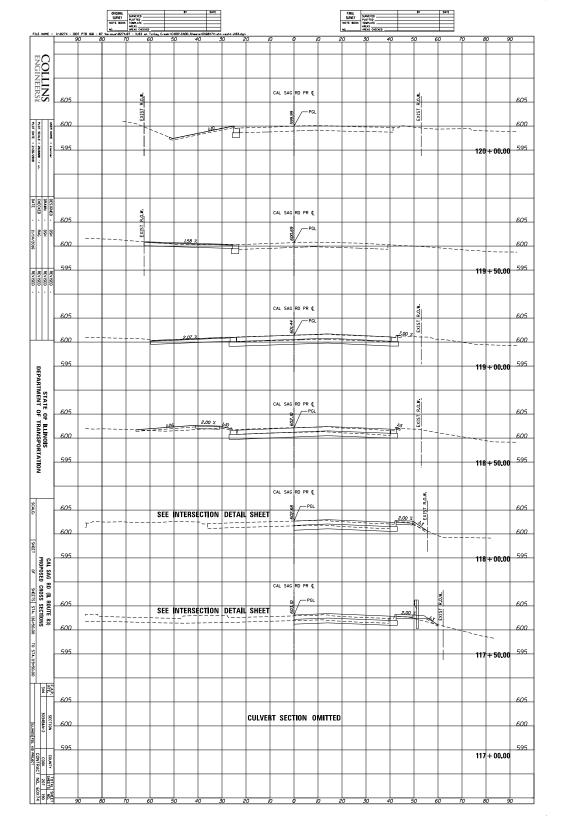


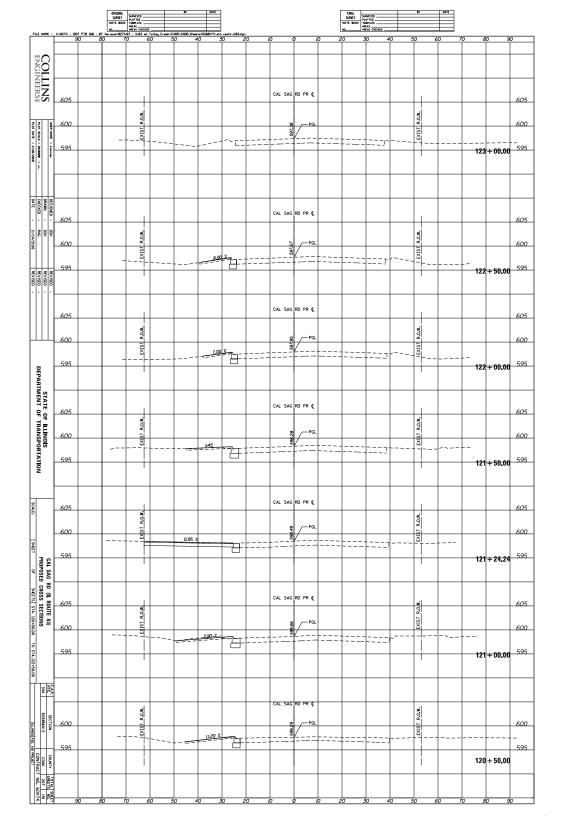


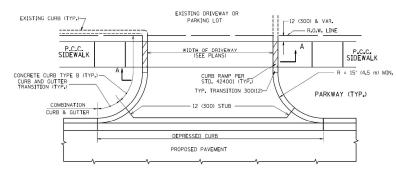




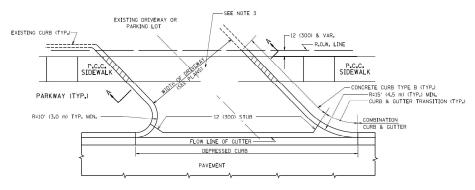




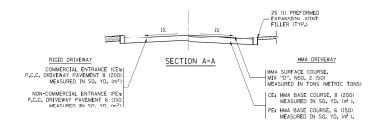


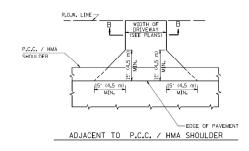


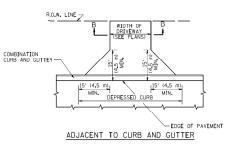
WITH CONCRETE CURB, TYPE B

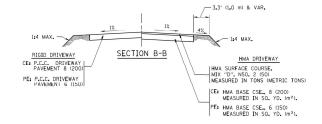


WITH CONCRETE CURB, TYPE B









RURAL FIELD ENTRANCE (FE) HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SO. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS", FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK, DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS,

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CUBB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB,

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847, 705-4131 FOR ANY OUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS, SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & CUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

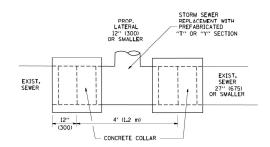
1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS, SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 150.

FILE NAME :	USER NAME = leyso	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
ci\pw_work\pwidot\leyse\d0100315\bd01.dgr		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 58.88888 '/ in.	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

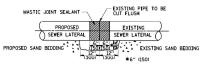
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

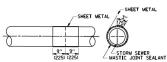
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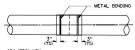


DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

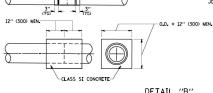




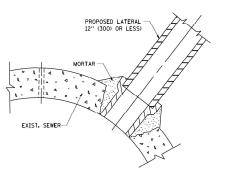


CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIFES.
- 2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- 4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- 7. PLACE TWO METAL BANDS AROUND THE SHEET
 METAL AND TIGHTEN.
 8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- 9. PLACE CLASS SI CONCRETE AROUND THE



<u>DETAIL "B"</u> CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL

CONNECTION TO EXISTING SEWER

OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER,

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS: AI PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B"
 - D PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE GAILL AND SHULLS IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLINE MANNER, WITHOUT EXTRA COMPENSATION,

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

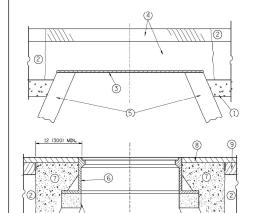
TEE ON WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEMENT FOR ON WE OF THE TYPE AND SIZE SPECTIFED IN THE FLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FUNDISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FUNDISHING AND INSTALLING THE SPECIFIED THE OR WYE SECTION, FUNDISHING AND INSTALLING THE SECURITY CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEMER ADJACENT TO THE PROPOSED TEE OR WE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE EOR WE SECTION, MILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORKS.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL DELOW PLAN DEDOING GRADE WILL DE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SMALL BE INCLUDED IN THE COST OF THE PROPOSES STORM SEWER.

FILE NAME =	USER NAME = geglienobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92			DETAIL OF STORM SEWER		F.A.P.	SECTION	COUNTY	TOTAL S	HEET NO.
W:\diststd\22x34\bd@7.dgn		DRAWN -	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS				344	3034B&N-2	COOK	207	193
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - R. SHAH 10-25-94	DEPARTMENT OF TRANSPORTATION	CONNECTION TO EXISTING SEWER				BD500-01 (BD-7)	CONTRACT	T NO. 60	x74
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA.	TO STA.		AD DIST. NO. 1 ILLINOIS FED. A			



EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIOS WILL BE PAID FOR IN ACCORDANCE
WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS
UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

PROPOSED BRICK, MORTAR, OR CONC. ADJUSTING RINGS

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY TIEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFURE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

 D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40)
- THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID, ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- * UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

SUB-BASE GRANULAR
 MATERIAL

1

- (6) FRAME AND LID (SEE NOTES)
- 2 EXISTING PAVEMENT

(5) EXISTING STRUCTURE

- (7) CLASS PP-I* CONCRETE
- (3) 36 (900) DIAMETER METAL PLATE
- (8) PROPOSED HMA SURFACE COURSE
- 4 PROPOSED CRUSHED STONE AND
- (9) PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTRELINE OF PAYMEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

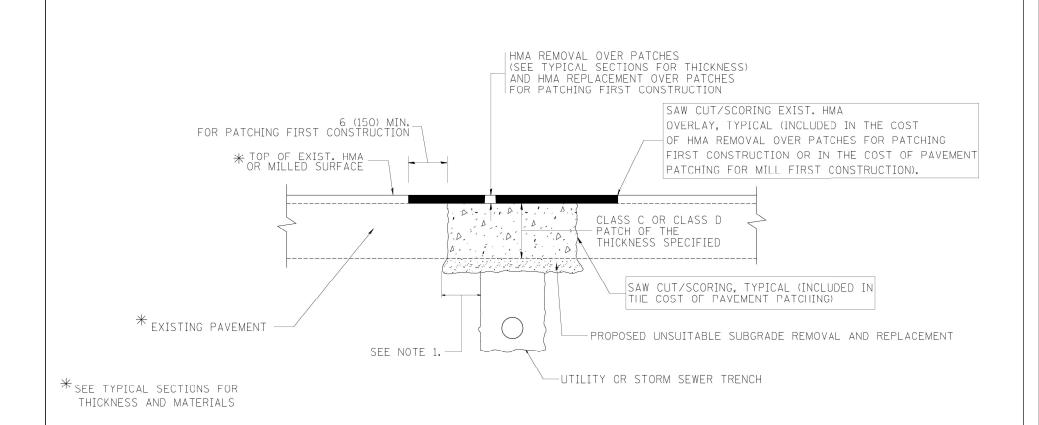
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	PLOT SCALE = 1968.5000 '/ m	CHECKED -		REVISED	- R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE -	10-25-94	REVISED	- R. BORO 12-06-11

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

		DET	AILS FO	R		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ı				CIAL AALLI IA	ILLING		BD600-03 (BD-8)	CONTRACT	NO. 6	0X74
	SCALE: NONE	SHEET NO. 1 OF 1 S	SHEETS	STA.	TO STA	FED. RI	DAD DIST. NO. 1 ILLINOIS FED. A	D PROJECT		



NOTES:

- THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON FACH SIDE OF THE TRENCH.
- 2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

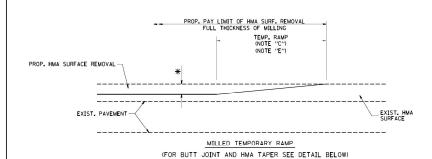
SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

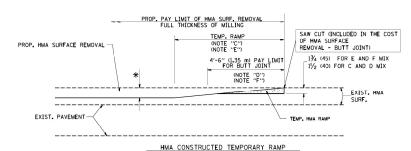
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

FILE NAME =	USER NAME = bouerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98			PAVEMENT PATCHIN	NC EOD		F.A.P.	SECTION	COUNTY	TOTAL SHE	ÆΤ
c:\projects\diststd22x34\bd22.dgn		DRAWN -	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS					344	3034B&N-2	COOK	207 19	95
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - R. BORO 09-04-07	DEPARTMENT OF TRANSPORTATION		HMA SURFACED PA	VEMENT			BD400-04 (BD-22)		T NO. 60X7	74
	PLOT DATE = 18/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO ST	ΓA.	FED. RO.	AD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT		

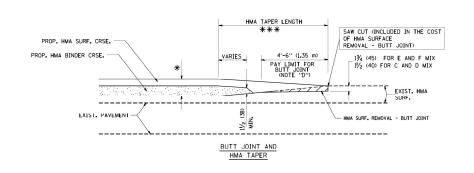


OPTION 1

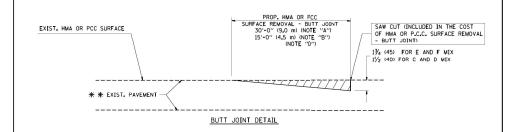


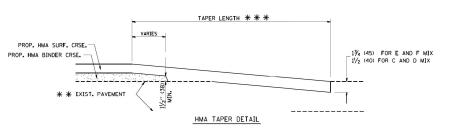
OPTION 2 TYPICAL TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING





TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

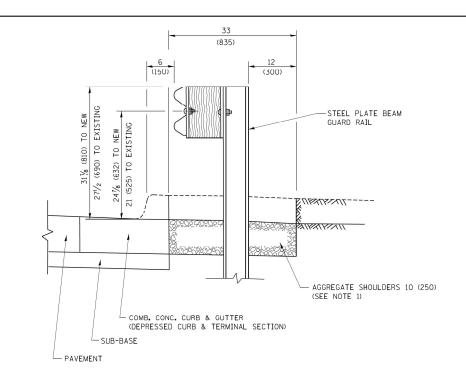
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP, RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP, RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- ** * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHAIT SUPFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

FILE NAM			DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94			BUTT JOINT AND	F.	A.P. TE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\distst	td\22x34\bd32.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS		HMA TAPER DETAILS	3	344	3034B&N-2	COOK	207	196
		PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01	DEPARTMENT OF TRANSPORTATION				BD	1400-05 BD32	CONTRACT	NO. 6)X74
		PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO ST	TA. FE		DIST. NO. 1 ILLINOIS FED. AL	D PROJECT		
		•	•			•							



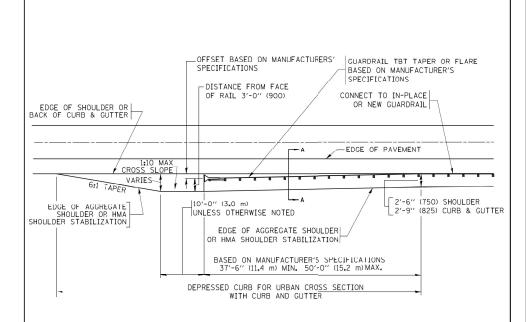
SECTION A-A

NOTES: 1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.

- 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
- 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER

[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

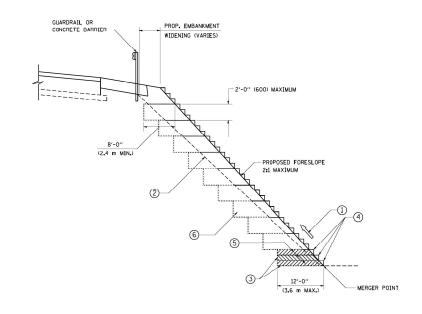
COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME :	USER NAME = drivekosgn	DESIGNED - M. DE YONG	REVISED	н	R. BORO 12-08-2008
pwt\\lL884EBIDINTEG.tll:nose.govtPWIDOT\Do	cuments/IDOT Offices/District 1/Projects/Dist	ORAWN\CADDeta\CADsheets\bd34.dgn	REVISED	-	R. BORO 09-14-2009
	PLOT SCALE = 58.8888 '/ in.	CHECKED -	REVISED	-	R. BORO 08-06-2012
Default	PLOT DATE = 12/21/2015	DATE - 09-22-90	REVISED	1-1	R. BORO 05-08-2015

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR DEPRESSED CURB & GUTTER AND	F.A.P RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHOULDER TREATMENT AT TBT TY. 1 SPL.	344	3034B&N-2	COOK	207	197
ONOCEDEN THEATMENT AT 151 TITLE		BD600-10 (BD 34)	CONTRACT	NO. 6	50X74
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		

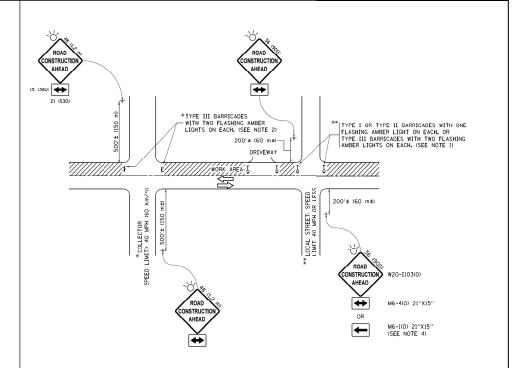


TYPICAL BENCHING DETAIL FOR EMBANKMENT

NOTES:

- CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- 2 EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- (3) BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- (4) TRIM TO FINAL SLOPE.
- EQUAL 8 INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205,05 OF THE STANDARD SPECIFICATIONS.
- 6 EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 7 SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

1	FILE NAME =	USER NAME = geglienobt	DESIGNED -		REVISED -			BENCHING DETAIL		F.A.P.	SECTION	COUNTY	TOTAL S	HEET NO.
	W:\d:ststd\22×34\bd51.dgn		DRAWN -	CADD	REVISED -	STATE OF ILLINOIS		FOR EMBANKMENT WIDEN		344	3034B&N-2	COOK	207	198
		PLOT SCALE = 50.0000 '/ IN.	CHECKED -	S.E.B.	REVISED -	DEPARTMENT OF TRANSPORTATION		FUR EMBANKMENT WIDEN	ING		BD-51	CONTRACT	T NO. 60	X74
L		PLOT DATE = 1/4/2008	DATE -	06-16-04	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA.	TO STA.	FED. RO	DAD DIST. NO. 1 ILLINOIS FED. A	AID PROJECT		



NOTES:

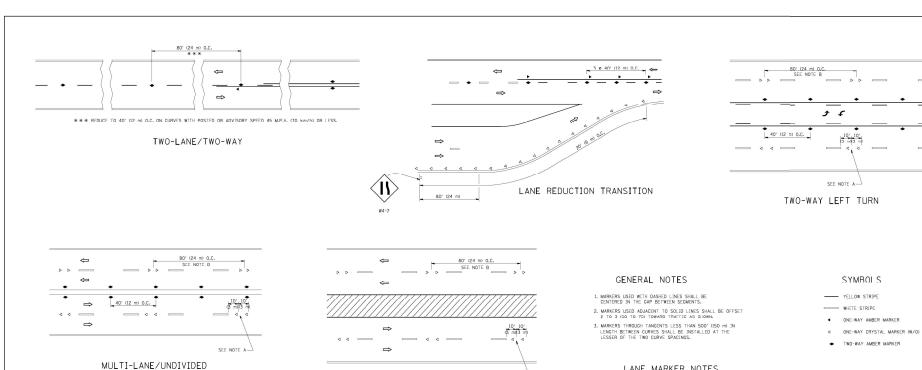
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SICN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - o) 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 ROLTE.
 - 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.
- 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 (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-4).

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARDS, THE DIRECTIONAL ARROW (MG-1 OR MG-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 ENGINEER.
- 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 = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96		TRAFFIC CONTROL AND PROTECTION FOR	F.A.P	SECTION	COUNTY TOTAL SHEET
	pwt\\IL884EBIDINTEG.tllanoas.govtPWIDOT\Do	cuments\IDOT Offices\District 1\Projects\Dist	GRAWN\CADDeta\CADsheets\tcl0.dgn	REVISED -T. RAMMACHER 01-06-00		SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	344	3034B&N-2	COOK 207 199
		PLOT SCALE = 50.000 '/ in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	3	SIDE HOADS, INTERSECTIONS, AND DRIVEWATS		TC-10	CONTRACT NO. 60X74
L	Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED.	AID PROJECT

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MULTI-LANE/DIVIDED

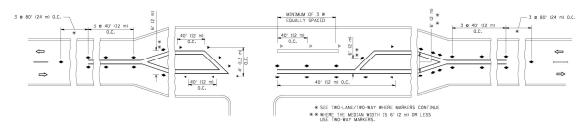
LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.

- 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- 4, MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

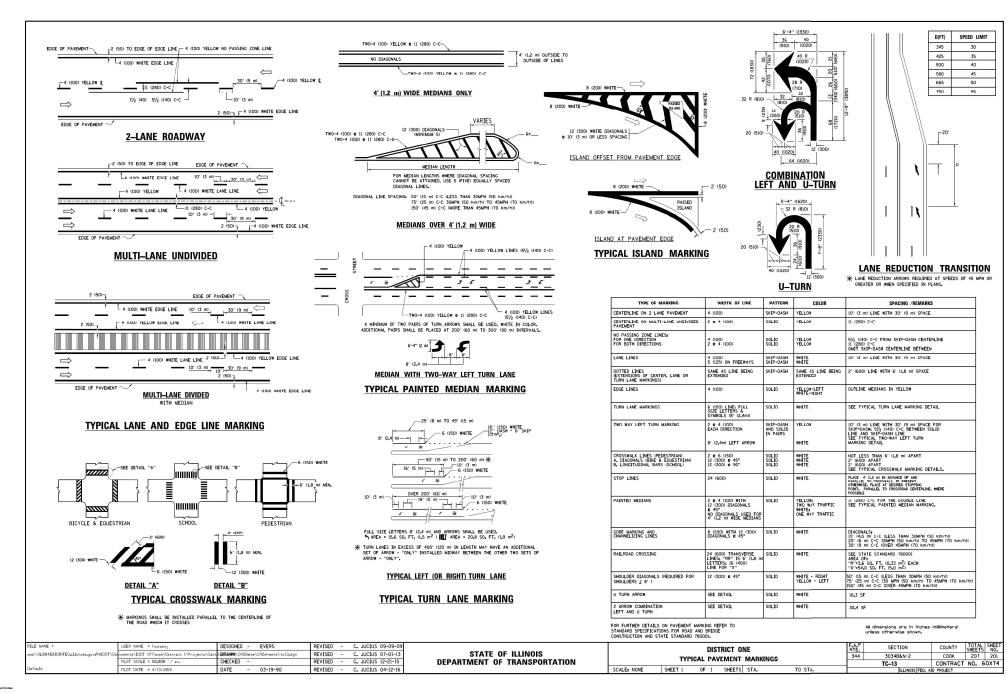


LEFT TURN

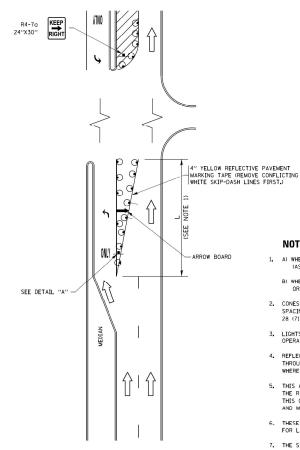
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = leyse	DESIGNED -	REVISED -T. RAMMACHER 09-19-94			TYPICAL APPLICA	TIONS	F.A.P.	SECTION	COUNTY	TOTAL SH	IEET NO
c:\pw_work\pwidot\leyse\d8188315\tcll.dgn		DRAWN -	REVISED -T. RAMMACHER 03-12-99	STATE OF ILLINOIS			344	3034B&N-2	COOK	207 2	200	
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 01-06-00	DEPARTMENT OF TRANSPORTATION				TC-11	CONTRACT	NO. 60X	(74	
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. RO		D PROJECT		\neg

SEE NOTE A -



TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

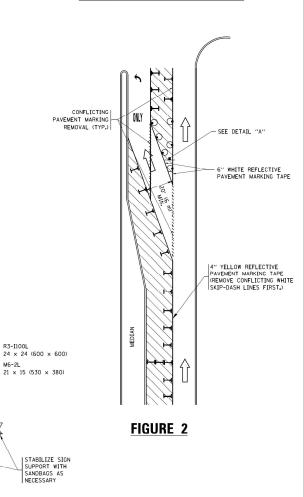


LEGEND WORK AREA LANE OPEN TO TRAFFIC ARROW BOARD TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT DRUM WITH STEADY BURN LIGHT SIGN ASSEMBLY TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

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 x 15 (530 x 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

LANE

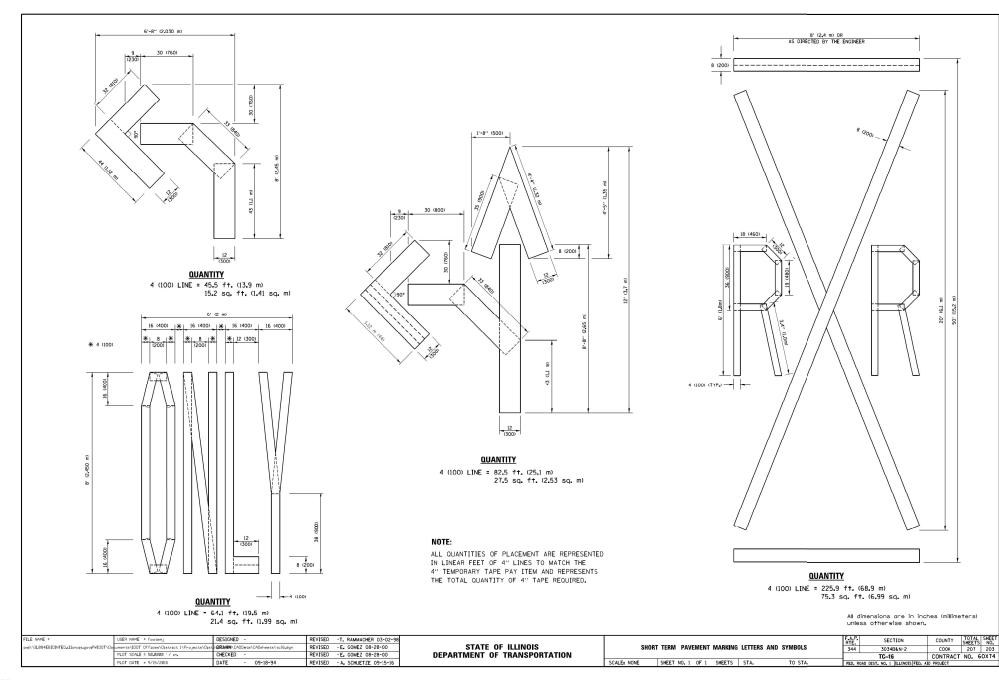
All dimensions are in inches (millimeters)

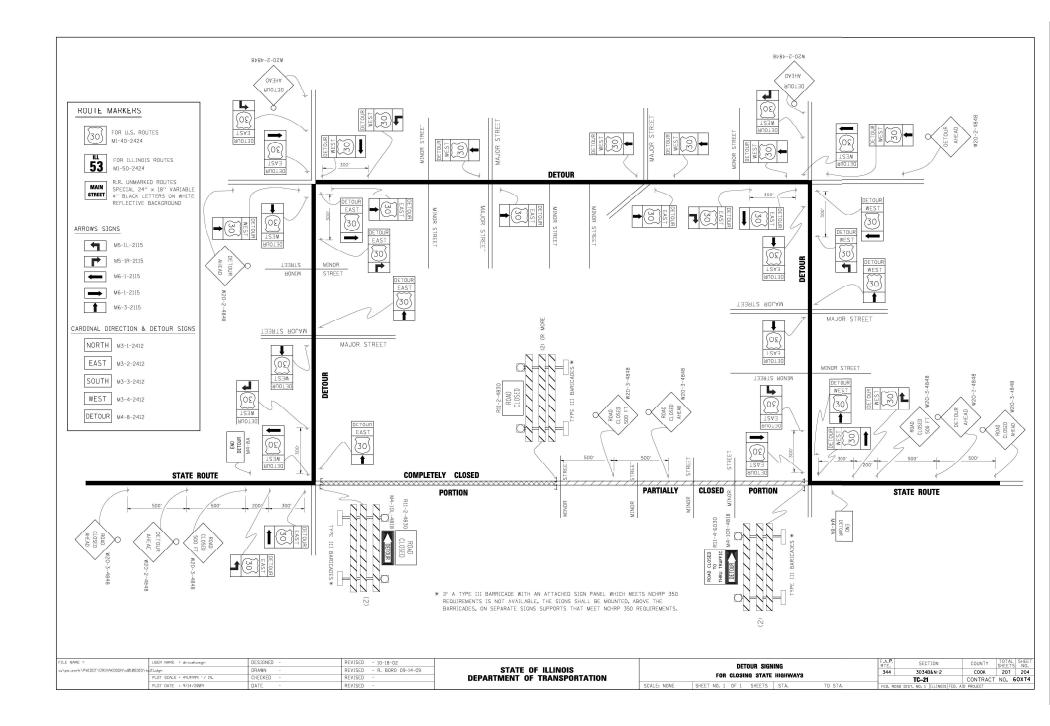
FILE NAME :	USER NAME = footemj	REVISED	- T.	. RAMMACHER	09-08-94	REVISED	Н	R. BORO	09-14-09
pwt\\lL884EBIDINTEG.tll:nose.govtPWIDOT\Do	cuments\IDOT Offices\District 1\Projects\Dist	REVISED	DDote	CAD HOUSEH	14 <i>1</i> 2⊕07-95	REVISED	- A.	SCHUETZE	07-01-13
	PLOT SCALE = 58.88888 '/ in.	REVISED	-	A, HOUSEH	10-12-96	REVISED	- A.	SCHUETZE	09-15-16
Default	PLOT DATE = 9/15/2016	REVISED	- T.	RAMMACHER	01-06-00	REVISED	-		

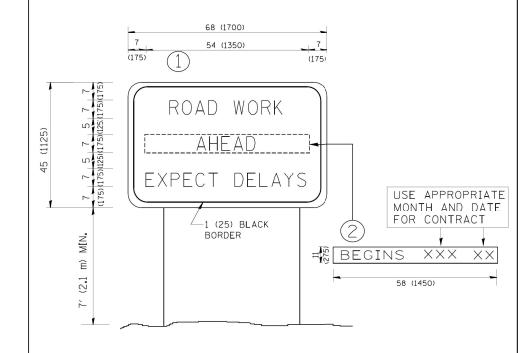
FIGURE 1

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRACE	IC CONT	OI AND	DROTEC	TION AT	TURN BAYS	F.A.P RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
IIIAII				O TRAFFIC		344	3034B&N-2	COOK	207	202
		ILLIVIALIA			<u>'</u>		TC-14	CONTRACT	NO. (60X74
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. A	D PROJECT		



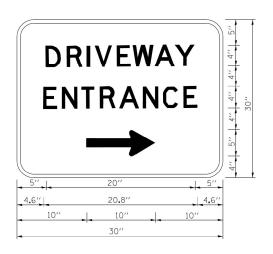




NOTES:

- 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.

FILE NAME =	USER NAME = geglienobt	DESIGNED -	REVISED - R. MIRS 09-15-97		ARTERIAL ROAD	F.A.P. SECTION	COUNTY TOTAL SHEET
W:\d:ststd\22x34\tc22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97	STATE OF ILLINOIS		344 3034B&N-2	COOK 207 205
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99	DEPARTMENT OF TRANSPORTATION	INFORMATION SIGN	TC-22	CONTRACT NO. 60X74
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED.	AID PROJECT



3.0" RADIUS. 0.5" BORDER, WHITE ON GREEN: REFLECTORIZED "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" \times 5.0"

NOTES:

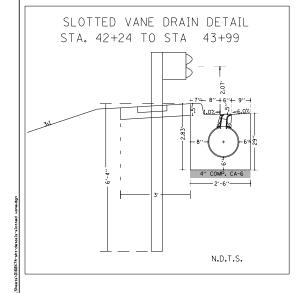
- 1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
- 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
- 3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

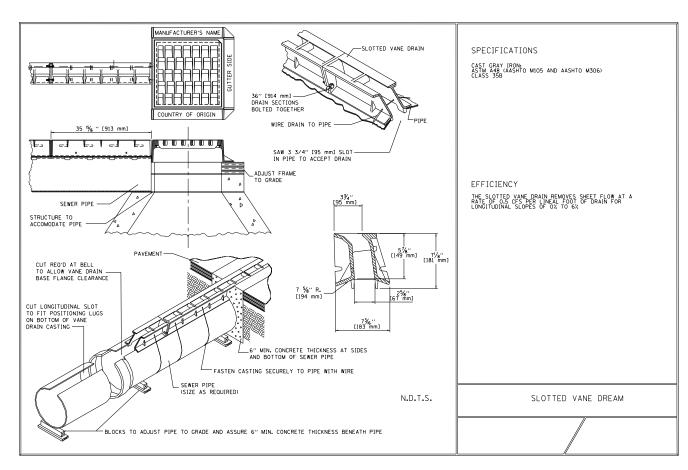
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c:\pw_work\pwidot\gaglianobt\d0108315\tc	26.dgn	DRAWN -	REVISED -	ı
	PLOT SCALE = 58.888 ' / in.	CHECKED -	REVISED -	ı
	PLOT DATE = 12/13/2012	DATE -	REVISED -	ı

STATE	0F	ILLINOIS
DEPARTMENT (DF 1	TRANSPORTATION

DRIVEW	AY ENTRANC	E SIGNING		F.A.P. RTE	SECTION	COUNTY	TOTAL	SHEET NO.
				344	3034B&N-2	COOK	207	206
				_	TC-26	CONTRACT	NO. 6	50X74
SCALE: NONE SHEET NO. 1 OF	1 SHEETS	STA.	TO STA.	FED. RI	DAD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT		

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TC	USER NAME = ztenner	DESIGNED - DSH	REVISED -
18		DRAWN - DSH	REVISED -
SZ	PLOT SCALE = 39.9752 ' / in.	CHECKED - RAG	REVISED -
W4	PLOT DATE = 2/26/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 83 (CAL SAG		OVER TIN		(AT 127TH	STREET)	F.A.I. RTE. 344
SCALE:	SHEET	0F	SHEETS	STA.	TO STA.		

- 1001 PTB 168 - 67 Versous/

COLLIN