08-03-12 LETTING ITEM 024

IMPROVEMENTS ARE LOCATED IN THE VILLAGES OF MARKHAM, HAZEL CREST & HARVEY

FOR INDEX OF SHEETS. SEE SHEET NO. 2

DESIGN DESIGNATION MINOR ARTERIAL (URBAN)

ADT 4900 (2010) POSTED SPEED LIMIT 40 MPH

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS**

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. 3597 (PARK AVENUE) **OVER CALUMET UNION DRAINAGE DITCH SECTION: 0710 B PPC DECK BEAM REPLACEMENT PROJECT** COOK COUNTY C-91-292-09



CONTRACT NO. 60F95

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		STATE STA	NDARDS	GENE
SHEET NO.	TITLE	SHEET NO.	TITLE	DIMENS
1	TITLE SHEET	000001 - 06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	BEFORE CALL ".
2	GENERAL NOTES. STATE STANDARDS AND INDEX OF SHEETS	001001-02	AREAS OF REINFORCEMENT REBARS	ELECTR NOTIFIC
3-4	SUMMARY OF OUANTITIES	001006	DECIMAL OF AN INCH AND OF A FOOT	THE CO
5	TYPICAL SECTIONS	280001 - Olp	TEMPORARY EROSION CONTROL SYSTEMS	FIELD (FROM T
6	DETOUR PLAN	420401 -08	BRIDGE APPROACH PAVEMENT CONNECTOR	IT SHA
7	PLAN AND PROFILE	442201 - 03	CLASS C AND CLASS D PATCHES	DIMENS CONSTR
8	PAVEMENT MARKING PLAN	515001 - 03	NAME PLATE FOR BRIDGE	ANY RE
9	EROSION CONTROL PLAN	604001 - 03	FRAME AND LIDS TYPE 1	PROVIS OF THE
10-23	STRUCTURAL PLANS	604091 - 02	FRAME AND TRATE TYPE 24	NUMBER
24	FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)	606001 - 04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	THE RE AREA 1
25	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	630001 -10	STEEL PLATE BEAM GUARDRAIL	OF 2 W PAVEME
26	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	630301 - 05	SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS	THE RE
27	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS.	631031-10	TRAFFIC BARRIER TERMINAL, TYPE 6	CONTRO HOURS
0.0	INTERSECTIONS, AND DRIVEWATS (TO-10)	635006- 03	REFLECTOR AND TERMINAL MARKER PLACEMENT	TRAFFI
28	(SNOW-PLOW RESISTANT) (TC-11)	635011 - 02	REFLECTOR MARKER AND MOUNTING DETAILS	BEFORE AND RE
29	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701301 -04	LANE CLOSURE 2L. 2W SHORT TIME OPERATIONS	MARKIN THAT 1
30	ARTERIAL ROAD INFORMATION SIGN (TC-22)	701427	LANE CLOSURE. MULTILANE. INTERMITTENT OR MOVING OPER FOR SPEEDS < 40 MPH	EXACT DIRECT
	HIGHWAY STANDARDS	701606 - 08	URBAN LANE CLOSURE. MULTILANE. IW OR 2W WITH MOUNTABLE MEDIAN	WHEN M DIFFER
		701901 - 02	TRAFFIC CONTROL DEVICES	NOT EX A MAXI
		704001 - 07	TEMPORARY CONCRETE BARRIER	OF THE
		720001-01	SIGN PANEL MOUNTING DETAILS	BUTT J (WHERE
		720006 - 03	SIGN PANEL ERECTION DETAILS	THE °B PLANS,
		720011 - 01	METAL POSTS FOR SIGNS. MARKERS AND DELINEATORS	ТНЕ СС
		729001 - 01	APPLICATION OF TYPES A & B METAL POSTS (FOR SIGN & MARKERS)	DEBRIS CREEK.

	······································	DESIGNED	- ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, STATE STANDARDS AND INDEX OF SHEETS				SECTION	COUNTY	SHEET	SHEET
		CHECKED	- 51 - MJY, SLV	REVISED -		PAR	PARK AVENUE OVER CALUMET UNION DRAINAGE DITCH			0710 B 0-91-292-09	COOK CONTRA	30 CT NO.	2 60F95
1560 WALL 57, SUITE 222 NAPERVILLE, ILLIBOIS 69563 FM: (630: 577-9100		DATE	- 03/29/2012	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 98+20 TO STA. 101+60	FEO, ROA	NO DIST. NO. ILLINOIS FE	Q. AID PROJECT		

780001-03 TYPICAL PAVEMENT MARKINGS

RAL NOTES

SIONS ARE IN ENGLISH UNITS UNLESS OTHERWISE NOTED.

STARTING ANY EXCAVATION, THE CONTRACTOR SHALL JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED RIC, TELEPHONE, AND GAS FACILITIES (48 HOUR CATION IS REQUIRED).

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

LL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO RUCTION AND ORDERING MATERIALS.

EFERENCE TO STANDARDS IN THE PLANS OR SPECIAL SIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS DEPARTMENT LISTED IN THE PLANS WITH THE LATEST RS.

ISIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS, TRAFFIC ENGINEER, AT (708) 597-9800 AT A MINIMUM VEEKS PRIOR TO THE PLACEMENT OF PERMANENT ENT MARKING.

ESIDENT ENGINEER SHALL CONTACT THE TRAFFIC OL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 PRIOR TO THE PLACEMENT OF ANY TEMPORARY IC CONTROL DEVICES.

E BEGINNING ANY WORK. THE CONTRACTOR SHALL RETAIN ECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT NG LINES (AND RAISED REFLECTIVE MARKERS) IN ORDER THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE TED BY THE ENGINEER.

MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE RENTIAL BETWEEN PASSES OF THE MILLING MACHING SHALL XCEED I'2". WITH WRITTEN APPROVAL FROM THE ENGINEER, IMUM GRADE DIFFERENTIAL FO 3" MAY BE ALLOWED IF THE EDGE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING RESURFACING MEETS EXISTING PAVEMENT). IN ACCORDANCE WITH BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE UNLESS OTHERWISE SPECIFIED.

ONTRACTOR SHALL EXERCISE THE UTMOST CARE TO PREVENT ANY FROM THE BRIDGE REMOVAL WORK FROM DROPING INTO JACKSON THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST FOR REMOVAL OF EXISTING STRUCTURES PAY ITEM.

THE RESTRICTED START DATE FOR THIS PROJECT IS MAY 1, 2013. THE CONTRACTOR WILL NOT BE ALLOWED TO PROCEED WITH ANY WORK ON THIS PROJECT THAT REQUIRES A PERMANENT OR OVER-NIGHT LANE(S) OR SHOULDER(S) CLOSURE PRIOR TO MAY 1. 2013. TEMPORARY DAY-TIME LANE/SHOULDER CLOSURES MAY BE ALLOWED BETWEEN THE HOURS OF 9:00 AN TO 3:00 PM WITH THE WRITTEN PERMISSION/APPROVAL OF THE ENGINEER AND THE BUREAU OF TRAFFIC OPERATIONS. THE COST TO COMPLY WITH THIS REQUIREMENT SHALL NOT BE PAID FOR DIRECTLY. BUT SHALL BE INCLUDED IN THE COST OF THE PROJECT AND THIS RESTRICTION SHALL NOT BE CONSIDERED A BASIS FOR A TIME EXTENSION.

	SUMMART OF QUANTITIES		URBAN	100%	STATE	ļ	r	SUMMARY OF OUANTITIES		URBAN	100%	STATE
CODE NO.	ITEM	UNIT	TOTAL OUANTITIES	ROADWAY 0004	BRIDGE 0014	CC	CODE NO.	ITEM	UNIT	TOTAL OUANTITIES	ROADWAY 0004	BRIDGE 0014
20200100	EARTH EXCAVATION	כע ינס	190	190		44	4201341	CLASS C PATCHES, TYPE II. 9 INCH	50 YD	32	32	
21101815	COMPOST FURNISH AND PLACE, 4"	so ro	637	637		44	4201345	CLASS C PATCHES. TYPE III. 9 INCH	SO YD	40	40	
25000310	SEEDING. CLASS 4	ACRE	0.2	0.2		44	4300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	5 <i>1</i> 6	5 <i>1</i> 6	
25100630	EROSION CONTROL BLANKET	SO YD	637	637		50	0101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	l l		I
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	20	20		50	0300225	CONCRETE STRUCTURES	CU YD	28.5		<i>28</i> .5
28000305	TEMPORARY DITCH CHECKS	FOOT	108	108		50	0300255	CONCRETE SUPERSTRUCTURE	בע עס	155.1		155.1
28000400	PERIMETER EROSION BARRIER	FOOT	630	630		50	0300260	BRIDGE DECK GROOVING	SO YD	565		565
28000510	INLET FILTERS	EACH	2	2		50	0300300	PROTECTIVE COAT	SO YD	680		680
40600200	BITUMINOUS MATERIALS (PRIME COAT)	τον	I	1 1		50	0400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SO FT	2355		<i>23</i> 55
40600300	AGGREGATE (PRIME COAT)	TON	4	4		50	0800205	REINFORCEMENT BARS, EPOXY COATED	POUND	44900		44900
40600400	MIXTURE FOR CRACK, JOINT'S AND FLANGEWAYS	TON	2	2		50	0901750	PARAPET RAILING	FOOT	22		22
40600625	LEVELING BINDER (MACHINE METHOD) N50	TON	64	64		51	1500100	NAME PLATES	EACH	I		I
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL-BUTT JOINT	SO YD	42	42		52	2000110	PREFORMED JOINT STRIP SEAL	FOOT	47		47
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	11	11		59	9000200	EPOXY CRACK INJECTION	FOOT	147		147
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D". N50	TON	79	79		60	0300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2	
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SO YD	289	289		60.	7300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1	
44000100	PAVEMENT REMOVAL	SO YD	94	94		60	0603800	COMBINATION CONCRETE CURB AND GUTTER. TYPE B-6.12	FOOT	597	597	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	597	597		63	3000001	STEEL PLATE BEAM GUARD RAIL. TYPE A, 6 FOOT POSTS	FOOT	54	54	
41002207	HOT-MIX ASPHALT REMOVAL OVER PATCHES. I 3/4"	SO YD	106	106		¥ 63	3100085	TRAFFIC BARRIER TERMINAL. TYPE 6	EACH	2	2	
44201337	CLASS C PATCHES, TYPE 1, 9 INCH	so ro	24	24		* 63	3100167	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT	EACH	4	4	
* SPECIALTY	ITEMS	l			l.	****						
	DESIGNED - ST REVISED	-			***			CHARMARY OF AHANTITICS		F.A.P.	SECTION	COUN
** \	DRAWN - ST REVISED CHECKED - MIX SLU DEGREEA	-		nrnam	STATE OF I	LLINOIS	5 00747101	PARK AVENUE OVER CALUMET UNION DRAINA	GE DITCH	3597	0710 8	coc
1402 F	I LICLARY MULL SEV I KEVISED	-		112.610.0	IDDINGLE FILL TE	- PE - 11 - 12 - 1		and the second presidence with the second presidence of the second pres		p		

CODE NO. 63200310	ITEM			V 100% STATE			·····	SUMMARY OF QUANTIFIES			ION STATE		
63200310		UNJT	TOTAL QUANTITIES	ROADWAY 0004	BR1DGE 0014	CODE N).	ITEM	UNIT	TOTAL OUANTITIES	ROADWAY 0004	BRIDGE 0014	
1 1	GUARDRAIL REMOVAL	FOOT	408	408		Z001375	8 CONSTRU	ICTION LAYOUT	L SUM	1]		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9		Z00308	O TEMPORA	ARY INFORMATION SIGNING	SO FT	200	200		
67100100	MOBILIZATION	L SUM	1	1		200735	0 TEMPORA	ARY TRAFFIC SIGNAL TIMING	EACH	10	10		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	90	90									
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12									
78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FOOT	3836	3836									
- 78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	FOOT	12	12					er ve				
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	753		753		****		aler diese verber die die ser bereicht mit der bereicht m				
t 78100100	RAISED REFLECTIVE PAVEMENT MARKER	ЕАСН	50	50									
78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	ЕАСН	8		8								
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	ЕАСН	58	50	в				er de l'est de la constant de la co				
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	ЕАСН	10	10					****				
X0323078	REMOVE AND RE-ERECT EXISTING BRIDGE RAIL	FOOT	89		89								
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	so ro	485	485									
x5030305	CONCRETE WEARING SURFACE, 5"	so ro	262		262				-t				
x6310218	TRAFFIC BARRIER TERMINAL, TYPE 6 (SPECIAL)	ЕАСН	2	2					nå odreteningeren uter et u				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					4				
20004552	APPROACH SLAB REMOVAL	SO YD	488		488								
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EOUAL TO OR LESS THAN 5 INCHES)	50 FT	39		39								
¥ SPECIALTY	ITEMS												
) NC.	DESIGNED - ST REVISED - ORAWN - ST REVISED -	· · · · · · · · · · ·			STATE OF	- ILLINOIS		SUMMARY OF QUANTITIES		F.A.P. RTE.	SECTION	COUM	
NGINEERS	CHECKED - MJY, SLV REVISED -			DEPAR	TMENT OF	TRANSPORTA	TION	PARK AVENUE OVER CALUMET UNION DRAINAGE	DITCH	3597	0710 B	CON1	



DATE

- 03/29/2012

REVISED

SCALE: NONE SHEET NO. 1 OF 1 SHEETS

EXISTING PCC PAVEMENT, 10"
EXISTING CONCRETE CURB AND GUTTER, B6-12 TO BE REMOVED
EXISTING SUBGRADE GRANULAR MATERIAL, TYPE A, 6"
EXISTING PPC DECK BEAMS
EXISTING CONCRETE WEARING SURFACE, 5"
EXISTING PARAPET WALLS
EXISTING BICYCLE RAILING
EXISTING PARAPET RAILING
EXISTING PCC SIDEWALK
EXISTING GUARDRAIL
PROPOSED PCC SURFACE REMOVAL, VARIABLE DEPTH
PROPOSED HMA SURFACE CSE., MIX "D", N50, 1 $\frac{3}{4}$ "
PROPOSED LEVLING BINDER (MACHINE METHOD), N50, 1 ½"

PROPOSED COMBINATION CONCRETE CURB AND GUTTER B-6.12

PROPOSED GUARDRAIL

PROPOSED PPC DECK BEAMS

PROPOSED PCC SIDEWALK (PAID AS CONCRETE SUPERSTRUCTURE)

PROPOSED PARAPET WALL (PAID AS CONCRETE SUPERSTRUCTURE)

PROPOSED CONCRETE WEARING SURFACE, 5"

PROPOSED COMPOST FURNISH AND PLACE 4", WITH SEEING, CLASS 4

REQUIREMENTS		
	DESIGN AIR VOIDS	THICKNESS
mm)	4% © 50 GYR 4% © 50 GYR	1 ³ /4" 1½"
DER IL-19 mm)	4% © 50 GYR 4% © 50 GYR	9" 1 ³ 4"

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE COURSE MIXTURES IS 112 LBS/SO-YD/IN.

TIONS	F.A.P. SECTION				COUNTY	TOTAL SHEETS	SHEET NO.
UNION DRAINAGE DITCH		0710 B			СООК	30	5
		D-91-292	-09		CONTRACT	NO. 6	OF 95
STA. 98+20 TO STA. 101+60	FED. RO	AD DIST. NO.	ILLINOIS FED.	AID	PROJECT		



IAN	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
UNION DRAINAGE DITCH		0710 B	СООК	30	6
		D-91-292-09	CONTRACT NO. 60F95		
STA. 98+20 TO STA. 101+60	FED. RC	AD DIST. NO ILLINOIS FED. A	D PROJECT		

_LONCO, INC	DESIGNED - ST DRAWN - ST	REVISED - REVISED -	STATE OF ILLINOIS	PARK	EROSION CONTE	ROL PLAN
CONSULTING ENGINEERS 1560 WALL ST. SUITE 222	CHECKED - MJY, SLV	REVISED -	DEPARTMENT OF TRANSPORTATION		AVENCE OVEN OREGINET	CHICK DIAMAGE DITCH
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE - 03/29/2012	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 1 SHEETS	STA. 98+20 TO STA. 101+60

STA. 98+20 TO STA. 101+60 FED. ROAD DIST. NO. ILLINO AID PROJECT

0710 B

D-91-292-09

3597

СООК

30 9

CONTRACT NO. 60F95

 F.A.U. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEET

 0-01-292-09
 CONTRACT NO.
 60F95

 ILLINOIS FED. AID PROJECT
 ILLINOIS FED. AID PROJECT

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Contractor is advised that the existing PPC Deck Beams are in a deteriorated conditon with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

Reinforcement Bars designated (E) shall be epoxy coated.

No in-stream work will be allowed in this project

Slip forming of the parapets is not allowed.

Repair of the substructure shall be completed prior to placement of the new deck beams.

If the Contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on the existing or new deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Superstructures.

The cost of removing existing concrete wearing surface, parapet, expansion joint strip seal, bearing pads, and sidewalk are included in the cost of Removal of Existing Superstructures.

INDEX OF SHEETS

- S1. General Plan and Elevation S2. General Data and Bill of Material
- S3. Top of North Approach Slab Elevations S4. Top of South Approach Slab Elevations
- S5. Superstructure
- S6. Superstructure Details
- S7. Parapet Details
- S8. Bicycle Railing
- S9. Bridge Approach Slab Details 1 of 2
- SIO. Bridge Approach Slab Details 2 of 2
- S11. 27"x36" PPC Deck Beams
- S12. 27"x36" PPC Deck Beam Details
- S13. North Abutment Details
- S14. South Abutment Details

Removal of E
Concrete Stru
Concrete Sup
Bridge Deck
Protective Co
Precast Pres Beams (27" [
Reinforcemen
Parapet Railir
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Structural Re to or Less

	DESIGNED - SLV	REVISED -		GENERAL DATA AND BULL OF MATERIAL	F.A.U. SECTION	COUNTY TOTAL SHEET	
	CHECKED - MJM	REVISED -	STATE OF ILLINOIS		3597 0710 B	СООК 30 11	
1560 WALL ST, SUITE 222	DRAWN - SLV	REVISED -	DEPARTMENT OF TRANSPORTATION		D-91-292-09	CONTRACT NO. 60F95	
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	CHECKED - MJM REVISED -			SHEET NO. S2 OF S14 SHEETS	ILLINOIS FE	AID PROJECT	

ITEM	UNIT	SUPER	SUB	APPR. SLAB	TOTAL
Existing Superstructures	Each	1			1
uctures	Cu. Yd.			28.5	28.5
perstructure	Cu. Yd.	16.6	0.5	138	155.1
Grooving	Sq. Yd.	262		303	565
at	Sq. Yd.	335		345	680
tressed Concrete Deck Depth)	Sq. ft.	2355			2355
t Bars. Epoxy Coated	Pound	6390	220	38290	44900
ng	Foot			22	22
	Each	1			1
int Strip Seal	Foot	47			47
Injection	Foot		147		147
Re-Erect Existing Bridge Rail	Foot	89			89
pring Surface, 5"	Sq. Yd.	262			262
ab Removal	Sq. Yd.			488	488
pair of Concrete (Depth Equal han 5 inches)	Sq. Ft.		39		39

TOTAL BILL OF MATERIAL

TERMINAL NOTES:

Steel shapes and plates shall conform to the requirements of AASHTO M 270, Grade 36 except posts shall conform to AASHTO M 270, Grade 50. Threaded rods, nuts and washers shall conform to AASHTO M 164.

All nuts and lock washers shall be galvanized according to AASHTO M 232. All posts and anchor rods shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385.

Provide one l_8 " and two l_{16} " steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.

The Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with premeasured amounts of the adhesive chemical. Nuts for 1"\$ threaded anchor rods connecting the base plate to the concrete shall be tightened to a snug fit and given an additional I_{B} turn.

West Edge of Pavement

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Appr Pvmt	100+12.61	-23,583′	99.40
А	100+22.61	-23,583′	99.38
В	100+32.90	- 22.917′	99.35
N. End N. Appr Pvmt	100+42.90	- 22.917′	99.31

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Appr Pvmt	100+23.14	0.000′	99.74
A	100+33.14	0.000′	99.71
В	100+43.14	0.000′	99.67
N. End N. Appr Pvmt	100+53.14	0.000′	99.61

<u>East Edge of Pavement</u>

Location	Station	Offset	Theoretical Grade Elevations		
S. End N. Appr Pvmt	100+33.86	24.000′	99.33		
A	100+43.86	24.000′	99.29		
В	100+53.56	23.333′	99.24		
N. End N. Appr Pvmt	100+63.56	23.333′	99.18		

TOP OF NORTH APPROACH SLAB ELEVATIONS STRUCTURE NO. 016-0771 SHEET NO. S3 OF S14 SHEETS		F.A.U. SECTION		TOTAL SHEETS	SHEET NO.	
		0710 B	COOK	30	12	
		D-91-292-09	CONTRACT NO. 60F95			
		ILLINOIS FED. AID PROJECT				

West Edge of Pavement

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr Pvmt	99+36.62	- 22.917′	99.23
А	99+46.62	- 22.917′	99.29
В	99+56.33	-23.583′	99.33
N. End S. Appr Pvmt	99+66.33	-23.583′	99.37

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr Pvmt	99+46.86	0.000′	99.65
A	99+56.86	0.000′	99.70
В	99+66.86	0.000′	99.74
N. End S. Appr Pvmt	99+76.86	0.000′	99.76

<u>East Edge of Pavement</u>

Location	Station	Offset	Theoretical Grade Elevations		
S. End S. Appr Pvmt	99+57.28	23.333′	99.34		
A	99+67.28	23.333′	99.37		
В	99+77.58	24.000′	99.39		
N. End S. Appr Pvmt	99+87.58	24.000′	99.40		

TOP OF SOUTH APPROACH SLAB ELEVATIONS	F.A.U. SECTION		COUNTY	TOTAL	SHEET NO.	
STRUCTURE NO. 016-0771		0710 B	СООК	30	13	
		D-91-292-09 CONTRACT NO				
SHEET NO. S4 OF S14 SHEETS		ILLINOIS FED.	AID PROJECT			

CTURE		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
016_0771	3597	0710 B		СООК	30	14
	D-91-292-09			CONTRACT NO. 60F95		
514 SHEETS		ILLINOIS	FED. AI	D PROJECT		

VARIES Fabric bearing pad 1-9" x 1" x 2'-7" $1^{\prime\prime} \phi \times 2^{\prime} - 6^{\prime\prime}$ Dowel rods in $1^{\prime}_{2}^{\prime\prime} \phi$ holes drilled in cap Back of exist. abutment_ 1" x 2'2" PJF Full width (2 each beam) Existing Fixed Abutment (West)

SECTION THRU FIXED ABUTMENT

Notes:

After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys. All horizontal dimensions are at right angles to beam ends. See sheet S12 of S14 for bearing pad details.

*Omit weld at seal opening.

SECTION THRU STRIP SEAL JOINT FOR OVERLAY OVER DECK BEAMS

LOCKING EDGE RAIL

LOCKING EDGE RAIL SPLICE

Notes: The strip seal shall be made continuous and shall have a minimum thickness of ${}^{l}_4$ ". The configuration of the strip seal shall match the configuration of the Locking Edge Rails.

The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed.

The inside of the Locking Edge Rail groove shall be free of weld residue. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed.

	DESIGNED -	SLV	REVISED -		SUPERSTRUCTURE DETAILS	F.A.U.	SECTION	COUNTY	SHEETS	SHEET
	CHECKED -	MJM	REVISED -	STATE OF ILLINOIS		3597	0710 B	СООК	30	15
CONSULTING ENGINEERS	DRAWN -	SLV	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NU. 016-07/1		D-91-292-09	CONTRAC	T NO. 6	OF 95
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	CHECKED -	MJM	REVISED -		SHEET NO. S6 OF S14 SHEETS		ILLINOIS FED. A	ID PROJECT		

SHEET NO. S7 OF S

TAILS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
016 0771	3597	0710 B	Соок	30	16	
VIV-V//1		D-91-292-09	CONTRACT NO. 60F95			
14 SHEETS		ILLINOIS FED. AI	ID PROJECT			

All steel rail elements shall be galvanized according to Article 509.05

All new hardware and l_{B} " fabric reinforced elastomeric pad shall be included for each post that is being removed and re-erected. See Base R and Anchor Bolt for details. Cost shall be included in Removing and

ING		l Parapet Railing Remove and Re-E	tem Erect Existing i	Bridge Rail	Unit Foot Foot	Quantit 22 89	ÿ_
	ING	F.A.U. RTF	SECTIO	N	COUNTY	TOTAL	SHE
16–0771 3597 0710 B COOK 30	16-0771	3597	0710 E	3	СООК	30	17

CHECKED

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REVISED

All a(E) and w(E) bar spacings measured parallel to ♀ Rdwy. Removal of existing concrete cap, timber piles and any excavation needed to complete the work to remove the concrete pile cap shall not be paid for separately but shall be included in the cost of Approach Slab Removal.

B DETAILS (1 of 2)		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016_0771	3597	0710 B	СООК	30	18
VIV-V//I	D-91-292-09 CONTRAC			NO. 6	OF 95
514 SHEETS		ILLINOIS FED. A	ID PROJECT		

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MJM

REVISED

7‴	ł	
$\left(\begin{array}{c} \uparrow \\ \uparrow \end{array} \right) \geq$		4
		2'-5"
1'-2		1'-2''
F	BAR du	$\alpha(F)$

	DILL OF	1017.1	, _, , , , , , _	
Bar	No.	Size	Length	Shape
a100(E)	100	#4	26'-8''	
α ₁₀₁ (Ε)	184	#5	26'-6''	
0102(E)	48	#6	6′-6	
b100(E)	90	#4	29'-8''	
b101(E)	218	#9	29'-9''	د
b102(E)	4	#4	14'-8''	
<i>b103</i> (Е)	4	#4	14'-6''	
d <u>100</u> (E)	68	#5	5'-7''	Δ
d ₁₀₁ (E)	68	#5	7'-11''	
e100(E)	32	#4	14'-8''	
e ₁₀₁ (E)	4	#8	14'-8''	
		[
t100(E)	188	#4	9'-6''	
W100(E)	160	#5	26'-6''	
Concret	e Superstru	Jcture	Cu, Yd.	138.0
Concret	e Structure	5	Cu, Yd.	28.5
Reinford	cement Bar	5,	Pound	38290
Ероху С	Coated		1 Ound	302.50

DETAILS (2 of 2)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016_0771	3597	0710 B	СООК	30	19
VIV-V//I	D-91-292-09 CONTRACT I				OF 95
14 SHEETS		ILLINOIS FED. A	D PROJECT		

SECTION A-A

SECTION B-B (Showing dimensions)

(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

B(E)

* Bar D(E) for beams 2 and 17 only. See sht. S7 of S14 for Section Thru East & West Parapets.
 ** Bar D₁(E) for west exterior beam only. See sht. S7 of S14 for Section Thru East Parapet.

	DESIGNED - SLV	REVISED -		27" x 36" PPC DECK BEAM	F.A.U. RTE.	SECTION	COUNTY TOTAL SHEET SHEETS NO.
	CHECKED - MJM	REVISED -	STATE OF ILLINUIS	STRUCTURE NO MALOTA	3597	0710 B	СООК 30 20
1560 WALL ST, SUITE 222	DRAWN - SLV	REVISED -	DEPARTMENT OF TRANSPORTATION	31N0010HL N0: 010-0//1	D-	-91-292-09	CONTRACT NO. 60F95
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	CHECKED - MJM	REVISED -		SHEET NO. S11 OF S14 SHEETS	ILLINOIS FED. AID		ID PROJECT

VIEW C-C

⁽Showing reinforcement and permissible strand locations)

<u>BAR LIST</u>						
ONE	BEAM	ONLY				
(Far	informatio	0.00/11				

(For information only)							
Bar	No.	Size	Length	Shape			
A(E)	42	#4	2'-7''				
B(E)	4	#5	45′-9″				
$B_I(E)$	3	#4	45'-9''	_			
*D(E)	30	#4	5′-10′′				
**D1(E)	47	#4	3′-6″				
S(E)	62	#4	6′-5″				
$S_I(E)$	8	#4	5′-11′′				
$S_2(E)$	54	#4	6′-2″]			
S3(E)	8	#4	4'-4''	Γ			
S4(E)	8	#4	4'-1''				
U(Ê)	8	#5	4'-6''				
$U_I(E)$	4	#4	6′-4′′	\Box			

Note: See sheet S12 of S14 for additional details and Bill of Material.

	DESIGNED -	SLV	REVISED -		27" x 36" PPC DECK BI
CONSULTING ENGINEERS	DRAWN -	SLV	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 0
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	CHECKED -	MJM	REVISED -		SHEET NO. S12 OF S14

4 SHEETS

AID PROJECT

THE IN

	No.	Size	Length	Shape
	8	#5	3′-0″	
	48	#5	1'-8"	
Si	uperstruc	ture	Cu. Yd.	0.25
ас	k Injectio	กก	Foot	77
1 55	Repair of than equ	Concrete Ial to 5")	Sq. Ft.	18
eme oati	ent Bars, ed		Pound	110

IT DETAILS	F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016_0771	3597	0710 B	Соок	30	22
		D-91-292-09	CONTRACT NO. 60F95		
514 SHEETS		ILLINOIS FED. AI	ID PROJECT		

CHECKED -

MJM

REVISED

SHEET NO. S14 OF

	No.	Size	Length	Shape
	8	#5	3′-0"	
	48	#5	1'-8"	
S	uperstruc	ture	Cu. Yd.	0.25
ас	•k Injectio	กก	Foot	70
1 55	Repair of than equ	Concrete Ial to 5")	Sq. Ft.	21
eme oat	ent Bars, ed		Pound	110

E 1 11				
IT DETAILS RTE. SECTION COUNTY SHEE	SHEET			
016_0771 3597 0710 B COOK 30	23			
D-91-292-09 CONTRACT NO.	CONTRACT NO. 60F95			
S14 SHEETS ILLINOIS FED. AID PROJECT				

	DESIGNED - SLV	REVISED -		DISTRICT ONE DETAIL SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONSULTING ENGINEERS	DRAWN - SLV CHECKED - MJY, ST	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	PARK	PARK AVENUE OVER CALUMET UNION DRAINAGE DITCH			0710 B	COOK CONTRACT	30 NO. 60	24)F95
APERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE - 03/29/2012	REVISED -		SCALE:	SHEET NO. 1 OF 7 SHEETS	STA. 98+20 TO STA. 101+60	FED. ROAD I	DIST. NO. ILLINOIS FED. A	AID PROJECT		

BE PATCHED.

THICKNESS AND MATERIALS

NOTES:

- 1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH 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)

2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.

3. REPLACE HMA MATERIAL OVER THE AREA TO

- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
 - PLACE AFTER MILLING.

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

	DESIGNED - SLV		REVISED -			DISTRICT ONE DET	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEET SHEETS NO.	
CONSULTING ENGINEERS 1560 WALL ST, SUITE 222	DRAWN - SLV		REVISED -		PARK AVENUE OVER CALUMET UNION DRAINAGE DITCH			3597	0710 B	СООК	30 25
	CHECKED - MJY, S	ST	REVISED -	DEPARTMENT OF TRANSPORTATION					D-91-292-09	CONTRAC	T NO. 60F95
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE - 03/29.	/2012	REVISED -		SCALE:	SHEET NO. 2 OF 7 SHEETS	/ SHEETS STA. 98+20 TO STA. 101+60		AD DIST. NO. ILLINOIS FED. AI) PROJECT	

OVERLAY, TYPICAL (INCLUDED IN THE COST OF HMA REMOVAL OVER PATCHES FOR PATCHING FIRST CONSTRUCTION OR IN THE COST OF PAVEMENT PATCHING FOR MILL FIRST CONSTRUCTION).

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

2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

EVISED	-	A. ABBAS 04-27-98
EVISED	-	R. BORO 01-01-07
EVISED	-	R. BORO 09-04-07
EVISED	-	K. ENG 10-27-08

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

- 03/29/2012

REVISED

DATE

AIL SHEETS DRAINAGE DITCH		SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.
		0710 B			СООК	30	26
		D-91-292	-09		CONTRACT	NO. 6	OF 95
STA. 98+20 TO STA. 101+60	FED. RO	DAD DIST. NO.	ILLINOIS	FED. AII) PROJECT		

SHEET NO. 3 OF 7 SHEETS

SCALE:

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. 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:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900×900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I. TYPE II OR TYPE III BARRICADES. 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- c) ONE ROAD CONSTRUCTION AHEAD SIGN 48 \times 48 (1.2 m \times 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. 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).

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

	DESIGNED - SLV	REVISED -					F.A.P.	SECTION	COUNTY	TOTAL	SHEET
IONO, IN	DRAWN - SLV	REVISED -	STATE OF ILLINOIS	DA	DIGINICI UNE DEIA	AIL GHEETG Innon Drainage Ditch	3597	0710 B	СООК	30	27
CONSULTING ENGINEERS 1560 WALL ST. SUITE 222	CHECKED - MJY, ST	REVISED -	DEPARTMENT OF TRANSPORTATION	FA	ARK AVENUE UVER GALUMET U	JNIUN DRAINAGE DITCH		D-91-292-09	CONTRAC	T NO. 6	OF 95
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE - 03/29/2012	REVISED -		SCALE:	SHEET NO. 4 OF 7 SHEETS	STA. 98+20 TO STA. 101+60	FED. RO.	AD DIST. NO. ILLINOIS	ED. AID PROJECT		

- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY: USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

REVISED	-	J. OBERLE 10-18-95
REVISED	-	A. HOUSEH 03-06-96
REVISED	-	A. HOUSEH 10-15-96
REVISED	- T	. RAMMACHER 01-06-00

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

LONCO, INC.	DESIGNED - SLV DRAWN - SLV	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DADY	DISTRICT ONE DETAIL SHEETS	F.A.P. SE RTE. SE	ECTION		TOTAL SHEET SHEETS NO. 30 28
CONSULTING ENGINEERS 1560 WALL ST. SUITE 222	CHECKED - MJY, ST	REVISED -		PARK /		D-91-29	92-09	CONTRACT	NO. 60F95
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE - 03/29/2012	REVISED -		SCALE:	SHEET NO. 5 OF 7 SHEETS STA. 98+20 TO STA. 101+60	FED. ROAD DIST. NO.	ILLINOIS FED. AID	PROJECT	

	DESIGNED - SLV REVISED -			DISTRICT ONE DETAIL SHEETS				SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN	- SLV	REVISED -	STATE OF ILLINUIS	P/	ARK AVENUE OVER CALLIMET I	INION DRAINAGE DITCH	3597	0710 B	СООК	30	29
CONSULTING ENGINEERS 1560 WALL ST, SUITE 222	CHECKED	- MJY, ST	REVISED -	DEPARTMENT OF TRANSPORTATION					D-91-292-09	CONTRAC	T NO. F	OF 95
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE	- 03/29/2012	REVISED -		SCALE:	SHEET NO. 6 OF 7 SHEETS	STA. 98+20 TO STA. 101+60	FED. ROA	D DIST. NO. ILLINOIS FEE). AID PROJECT		

INE	PATTERN	COLOR	SPACING / REMARKS
	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
	SOLID	YELLOW	11 (280) C-C
	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
AYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
ING	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW: EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
L	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
1))			
	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
ROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
	SOLID	WHITE	PLACE 4' (1,2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT: PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
c	SOLID	YELLOW:	11 (280) C-C FOR THE DOUBLE LINE
-2		INU WAY TRAFFIC	SEE TYPICAL PAINTED MEDIAN MARKING.
ED FOR EDIANS		ONE WAY TRAFFIC	
300)	SOLID	WHITE	DIAGONALS: 15'(4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20'(6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30'(9 m) C-C (0VER 45MPH (70 km/h))
RSE (1.8 m)	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "X"=3.6 SO. FT. (0.33 m ²) EACH "X"=54.0 SO. FT. (5.0 m ²)
	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (0VER 45MPH (70 km/h))

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

_LONCO, INC	DESIGNED - SLV	REVISED -			DISTRICT ONE DETAIL SHEETS	F.A.P.	SECTION	COUNTY TOTAL SHEET
	DRAWN - SLV	REVISED -	STATE OF ILLINOIS		DIGINIÇI UNE DETAL GREETG Dadv avenue oved callimet linioni ddainace ditcu	3597	0710 B	COOK 30 30
CONSULTING ENGINEERS 1560 WALL ST. SUITE 222 NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	CHECKED - MJY, ST	REVISED -	DEPARTMENT OF TRANSPORTATION	F	PARK AVENUE OVER CALOMET UNION DRAINAGE DITCH		D-91-292-09	CONTRACT NO. 60F95
	DATE - 03/29/2012	REVISED -		SCALE:	SHEET NO. 7 OF 7 SHEETS STA. 98+20 TO STA. 101+60	FED. RC	DAD DIST. NO. ILLINOIS FED. AI	D PROJECT