PROJECT LOCATED IN THE CITY OF WILMINGTON
AND ADJACENT TO THE CITY OF BRAIDWOOD

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS 2-BARREL BOX CULVERT REPLACEMENT

DESIGN DESIGNATION

MINOR ARTERIAL (URBAN)

ADT 2800 (2004)

POSTED SPEED LIMIT 55 MPH

 \bigcirc

 \bigcirc

THE PROPOSED WORK TO BE PERFORMED CONSISTS OF REMOVING THE EXISTING 8'x6' DOUBLE BARREL CULVERT AT STATION 100+00, AND REPLACING THE EXISTING STRUCTURE WITH A NEW 9'x6' DOUBLE-BARREL PRECAST CONCRETE BOX CULVERT UTILIZING NON-PHASED DEMOLITION AND CONSTRUCTION. THE EXISTING STRUCTURE NUMBER IS 099-0349.

THE PROPOSED STRUCTURE NUMBER IS SN 099-0521.

F.A.U. 0327 WEST RIVER ROAD

OVER UN-NAMED TRIBUTARY TO KANKAKEE RIVER

(2.6 MI. SOUTH OF IL ROUTE 53)

SECTION 112 T-1

WILL COUNTY

C-91-496-09 PROJECT: M-0327(047)

NET AND GROSS LENGTH OF PROJECT = 224.53' = 0.043 MI

R 9 E PROJECT: M-0327(047)

R 10 E

PROJECT ENDS

STA. 101+20

N

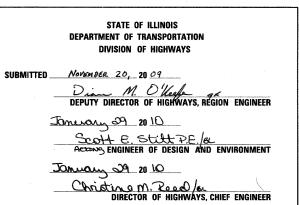
W COAL CITY RO

W MANTENO RO

TOWNSHIP: CUSTER

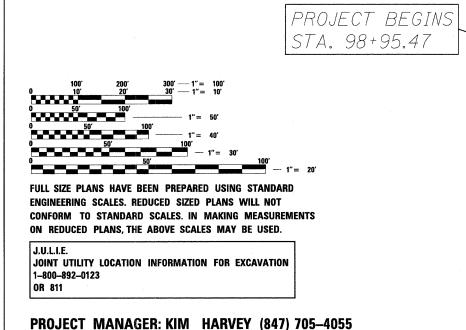
D-91-496-09





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS





PROJECT ENGINEER: ERSKINE W. KLYCE (847) 705-4594

CONTRACT NO. 60G54

STATE STANDARDS

SHEET NO.	<u>TITLE</u>
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5-6	TYPICAL SECTIONS
7	PLAN AND PROFILE
8	DETOUR PLAN
9	PAVEMENT MARKING PLAN
10	EROSION CONTROL PLAN
11	GENERAL PLAN, ELEVATION AND INDEX
12	HEADWALL DETAILS
13	WINGWALL DETAILS
14	CROSS SECTIONS
15	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
16	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
17	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
	HIGHWAY STANDARDS

SHEET NO.	<u>TITLE</u>
000001- 05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001 - 02	AREAS OF REINFORCEMENT REBARS
280001 -05	TEMPORARY EROSION CONTROL SYSTEMS
406201 -01	MAILBOX TURNOUT
442201 -03	CLASS C AND CLASS D PATCHES
515001 -03	NAME PLATE FOR BRIDGE
542001 -02	REINFORCED CONCRETE END SECTIONS WITH PARALLEL WINGWALLS FOR PIPE CULVERTS 12" (300 mm) THRU 48" (1200 mm) DIA. AT RIGHT ANGLES WITH ROADWAY
542101 -02	REINFORCED CONCRETE END SECTIONS WITH PARALLEL WINGWALLS FOR PIPE CULVERTS 15" (375 mm) THRU 36" (900 mm) DIA. AT RIGHT ANGLES WITH ROADWAY
542301 -02	PRECAST REINFORCED CONCRETE FLARED END SECTION
630001 -08	STEEL PLATE BEAM GUARDRAIL
630101 - 08	GUARDRAIL MOUNTED ON EXISTING CULVERT
630301 -05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006 - 03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011 -02	REFLECTOR MARKER AND MOUNTING DETAILS
701301 - 03	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701901 - 01	TRAFFIC CONTROL DEVICES
704001 -06	TEMPORARY CONCRETE BARRIER
720001 -01	SIGN PANEL MOUNTING DETAILS
720006 -02	SIGN PANEL ERECTION DETAILS
720011 -01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001 - 01	APPLICATION OF TYPES A & B METAL POSTS (FOR SIGN & MARKERS)
780001 - 02	TYPICAL PAVEMENT MARKINGS
`	

GE	NEI	RAL	NOTES	

ALL ELEVATIONS ARE BASED ON UNITED STATES COAST AND GEODETIC SURVEY DATUM.

DIMENSIONS ARE IN ENGLISH UNITS UNLESS OTHERWISE NOTED.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).

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

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

ANY REFERENCE TO STANDARDS IN THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT LISTED IN THE PLANS WITH THE LATEST

DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL DEPOSITS THAT OBSTRUCT THE FLOW OF WATER IN DRAINING THE AREA SHALL BE REMOVED BEFORE THE END OF EACH WORK DAY, AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES (NEW AND EXISTING) SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING PROPERTIES.

THE RESIDENT ENGINEER SHALL CONTACT MS. CORA MATHIS, AREA TRAFFIC FIELD ENGINEER AT (847) 715-8428 AT LEAST 72 HOURS PRIOR TO FINAL PAVEMENT MARKING INSTALLATION.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 715-8428 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

ALL WORK IS TO BE COMPLETED BY THE COMPLETION DATE. THE COMPLETION DATE FOR THIS CONTRACT IS JULY 30, 2010.

	DESIGNED	-	MJY	REVISED	-
	DRAWN	~	ST, TSC	REVISED	
CONSULTING ENGINEERS 1560 WALL ST, SUITE 222	CHECKED	_	MJY, DC	REVISED	**
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE	-	11/23/2009	REVISED	-

STATI	E OI	ILLINOIS	
DEPARTMENT	OF	TRANSPORTATION	

INDEX OF S	SHEETS, STATE STANDARD	OS AND GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	· · · · · · · · · · · · · · · · · · ·	TRIBUTARY TO KANKAKEE RIVER	0327	112 T-1	WILL	17	2
WEGI IIIVEII II	OAD OTEN ON MAINED	IIIDOTAIII TO IGAINGANEE IIIVEII		D-91-496-09	CONTRACT	NO. 6	0G54
SCALE: NONE	SHEET NO. 2 OF 17 SHEETS	STA. 98+95.47 TO STA. 101+20	FED. RO	AD DIST. NO. ILLINOIS FED. AI	D PROJECT		

	SUMMARY OF QUANTITIES		URBAN	80% FEDERAL, 20% STATE			SUMMARY OF QUANTITIES URBAN					L, 20% STATE
CODE NO.	ITEM	UNIT	TOTAL	ROADWAY IOOO	BOX CULVERT X028-2 4		CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY IOOO	BOX CULVERT XO28-2 A
20200100	EARTH EXCAVATION	CU YD	284		284		44000100	PAVEMENT REMOVAL	SQ YD	599	599	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	147		147	,	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	22	22	1
20800150	TRENCH BACKFILL	CU YD	14	14			44004250	PAVED SHOULDER REMOVAL	SQ YD	200	200	
21101815	COMPOST FURNISH AND PLACE, 4"	SQ YD	497	497			48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	472	316	156
25000310	SEEDING. CLASS 4	ACRE	0.1	0.1			50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9			50200100	STRUCTURE EXCAVATION	CU YD	240		240
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9			50300300	PROTECTIVE COAT	SQ YD	. 15		15
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9			50800105	REINFORCEMENT BARS	POUND	3523		3523
25100630	EROSION CONTROL BLANKET	SQ YD	497	497			50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	421		421
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	11	11			51500100	NAME PLATES	EACH	1		1
28000305	TEMPORARY DITCH CHECKS	FOOT	35	35			54003000	CONCRETE BOX CULVERTS	CU YD	47		47
28000400	PERIMETER EROSION BARRIER	FOOT	453	453			54010906	PRECAST CONCRETE BOX CULVERT 9'X6'	FOOT	103		103
28100107	STONE RIPRAP, CLASS A4	SQ YD	55		55		542 A0220	PIPE CULVERTS, CLASS A, TYPE 1; 15"	FOOT	44	44	
28200200	FILTER FABRIC	SQ YD	111		111		54213450	END SECTIONS 15"	EACH	4	4	
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	80	80			55100700	STORM SEWER REMOVAL 15"	FOOT	44	44	
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	48	48			60109641	BACKSLOPE DRAINS, TYPE 3 6"	FOOT	60		60
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	10	10		*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A. 6 FOOT POSTS	F00T	380	380	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	34		34	*	63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	44		44
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	306	215	91	*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	73	73		*	63200307	STEEL PLATE BEAM GUARD RAIL REMOVAL, ATTACHED TO STRUCTURE	F00T	64		64

* SPECIALTY ITEMS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

		SUMMARY OF QUANTITIES		URBAN	80% FEDERAL	L, 20% STATE		SUMMARY OF QUANTITIES	80% FEDERAL	., 20% STATE
CO	DE NO.	ITEM	UNIT	TOTAL	ROADWAY IOOO	BOX CULVERT X028-2 4	CODE NO.	ITEM	UNIT TOTAL ROADWAY 1000	BOX CULVERT X028-2 4
632	200710	STEEL PLATE BEAM GUARD RAIL REMOVAL, TYPE A	F007	220	220					
670	000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	. 5	5					
67	7100100	MOBILIZATION	L SUM	1	1					
70.	101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1					
7010	02550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1					
70.	103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5					
* 780	000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	F007	899	899					
* 781	100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	6	6					
* 782	200200	BIDIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	4	4					
* 782	200410	GUARDRAIL MARKERS, TYPE A	EACH	9	9					
783	00200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	6	6					
XOS	322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	52					
*************************************	22641	TEMPORARY CLEAR WATER DIVERSION	-L-SUM-	1		-1-				
X70	15005	CHANGEABLE MESSAGE SIGN	CAL DA	135	135					
XXC	007025	COARSE AGGREGATE BACKFILL (SPECIAL)	CU YD	952		952				
* * *	004656	EMBANKMENT-	-CU-YD-	113-	113 —					
Z00	001050	AGGREGATE SUBGRADE 12"	SQ YD	768	768					
Z00	13798	CONSTRUCTION LAYOUT	L SUM	1	1					
Z006	5480Ö	SELECTIVE CLEARING	UNIT	1	1					
Party and Associated										

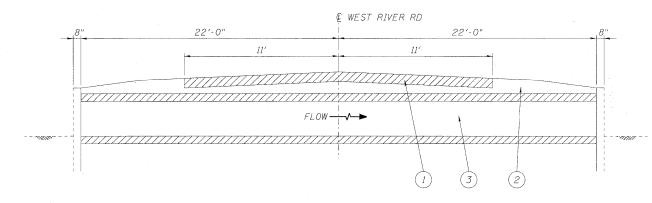
* SPECIALTY ITEMS

	DESIGNED - MJY	REVISED ~	
	DRAWN - ST, TSC	REVISED -	
CONSULTING ENGINEERS 1560 WALL ST, SUITE 222	CHECKED - MJY, DC	REVISED -	
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE - 11/23/2009	REVISED -	

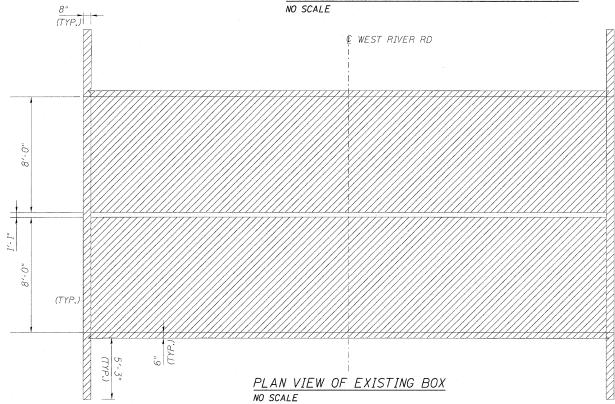
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

-	SUMMARY OF QUANTITIES									
-	WEST RIVER R	ROAD OVER	UN-NAMED	TRIBUTARY TO KANKAKEE RIVER						
	SCALE: NONE	SHEET NO. 4	OF 17 SHEETS	STA. 98+95.47 TO STA. 101+20						

R	RTE. 0327	-	SEC ⁻	T-1		+	WILL	SHEETS 17	NO.	l
n	FED. F		 -496 NO.	-09 ILLINOIS	FED.	AID	CONTRACT PROJECT	NO. 6	0G54	

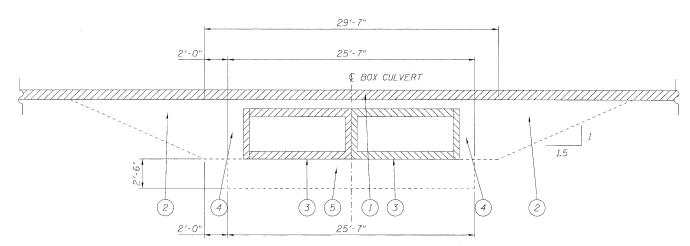


EXISTING CULVERT SECTION LOOKING NORTH

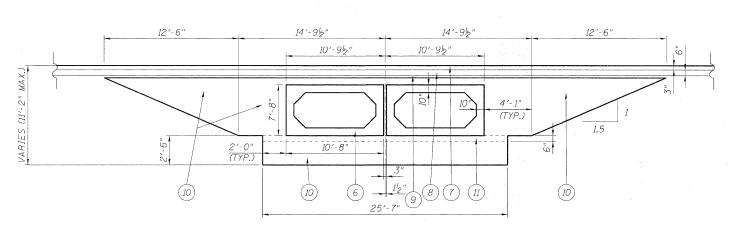


NOTE:

- 1. THE INSTALLATION OF THE PRECAST CONCRETE BOX CULVERT WILL BE COMPLETED ALL AT ONE TIME.
- 2. EXCAVATION LIMITS VARY.
- 3. THE COST 6" OF CA 7 UNDER CULVERT SHALL BE INCLUDED IN THE PRECAST CONCRETE BOX CULVERT 9'x6' ITEM.



EXISTING BOX CULVERT SECTION LOOKING WEST NO SCALE



PROPOSED BOX CULVERT SECTION LOOKING WEST NO SCALE

LEGEND

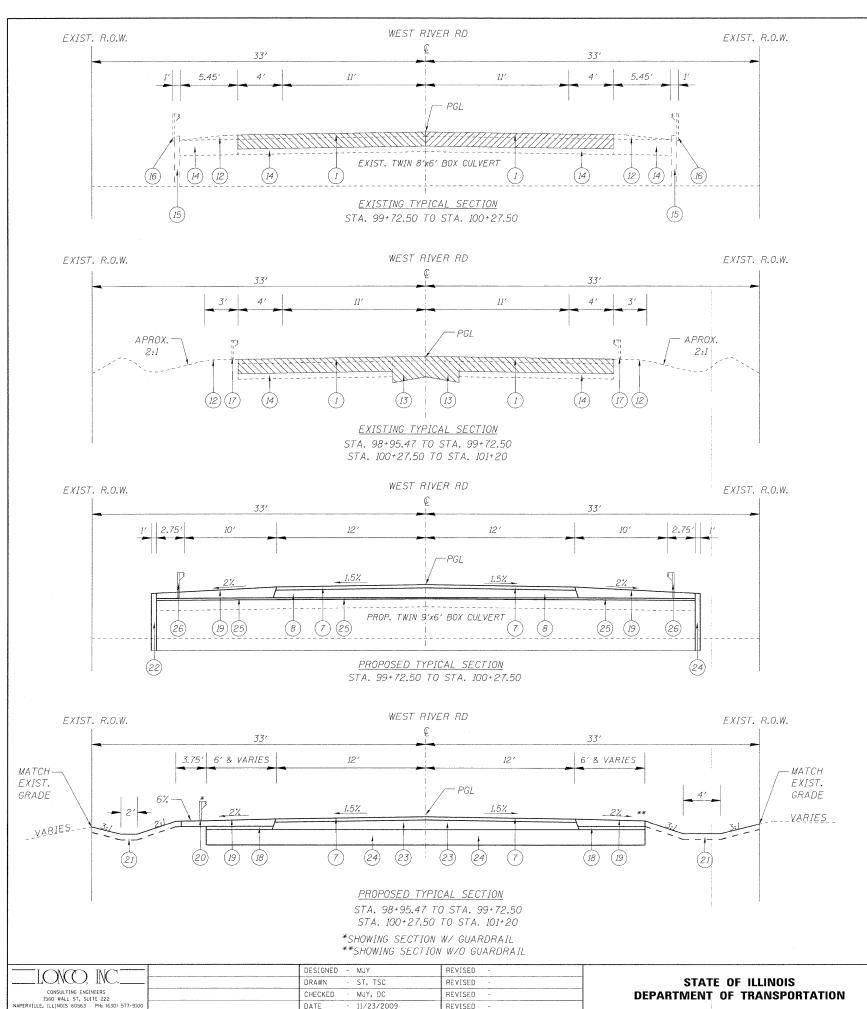
- 1) PAVEMENT REMOVAL
- (2) EARTH EXCAVATION
- (3) REMOVAL OF EXISTING STRUCTURES
- (4) STRUCTURE EXCAVATION
- (5) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- (6) PRECAST CONCRETE BOX CULVERT 9'X6'
- (7) PROPOSED HMA SURFACE COURSE, MIX "C", N50, 2"
- (8) PROPOSED HMA BINDER COURSE IL-19.0, N50, 11" (IN 2 LIFTS)
- (9) BITUMINOUS MATERIAL (PRIME COAT)
- (10) COARSE AGGREGATE BACKFILL (SPECIAL)
- (11) CA-7, 6"

	DESIGNED - MJY	REVISED -
	DRAWN - ST, TSC	REVISED -
CONSULTING ENGINEERS 1560 WALL ST, SUITE 222	CHECKED - MJY, DC	REVISED -
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE - 11/23/2009	REVISED -

STATE	OF	ILLINOIS	
DEPARTMENT (OF .	TRANSPORTATION	

	. 7	TYPICAL SECT	TIONS	•	RTE
WEST RIVER	ROAD OVER U	JN-NAMED 1	RIBUTARY TO	KANKAKEE RIVER	032
CALE: NONE	SHEET NO. 5 OF	F 17 SHEETS	STA. 98+95,47	TO STA. 101+20	FED.

	F.A.L RTE.	J.		SEC.	TION			COUNTY	TOTAL	SHEET NO.
	032	7		112	T-1:			WILL	17	5
			D-91	-496	-09			CONTRACT	NO. 6	0G54
_	FED.	ROAD	DIST.	NO.	ILLINOIS	FED.	AID	PROJECT		



DATE

11/23/2009

REVISED

LEGEND

- (1) PAVEMENT REMOVAL
- PROPOSED HMA SURFACE COURSE, MIX "C", N50, 2"
- PROPOSED HMA BINDER COURSE IL-19.0, N50, 11" (IN 2 LIFTS)
- EXISTING AGGREGATE SHOULDER, VARIABLE DEPTH TO BE REMOVED
- (13) EXISTING PCC PAVEMENT, VARIABLE DEPTH TO BE REMOVED
- (14) EXISTING STABILIZED BIT. BASE COURSE, VARIABLE DEPTH
- (15) EXISTING HEADWALL TO BE REMOVED
- (16) EXISTING STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURE TO BE REMOVED
- (17) EXISTING STEEL PLATE BEAM GUARDRAIL TO BE REMOVED
- (18) PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE "C", 4.5"
- (19) PROPOSED HMA SHOULDER, 6" (IN 2 LIFTS)
- (20) PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A (6 FOOT POST)
- (21) PROPOSED SWALE/DITCH
- (22) PROPOSED HEADWALL (PAID FOR AS CONCRETE BOX CULVERTS)
- (23) PROPOSED HMA BINDER COURSE IL-19.0, N50, 8.5" (IN 2 LIFTS)
- (24) PROPOSED AGGREGATE SUBGRADE 12"
- (25) PROPOSED LEVELING BINDER (MACHINE METHOD), N50, 1"
- (26) PROPOSED STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES

HOT-MIX ASPHALT MIXTURE REQUIREMENTS							
OPERATION	MIXTURE TYPE	DESIGN AIR VOIDS					
DO A DIWAY	HMA SURFACE COURSE, MIX "C", N50 (IL-9.5 mm)	4% @ 50 GYR					
ROADWAY	HMA BINDER COURSE, IL-19.0, N50	4% @ 50 GYR					
CUOU! DED	HMA SHOULDER, 6" (HMA BINDER IL-19 mm)	2% @ 30 GYR					
SHOULDER	LEVELING BINDER (MACHINE METHOD), N50 (IL-9.5 mm)	4% @ 50 GYR					
DRIVEWAY	HMA SURFACE COURSE, MIX "C", N50 (IL-9.5 mm)	4% @ 50 GYR					
DNIVEWAI	HMA BASE COURSE (HMA BINDER IL-19 mm)	4% @ 50 GYR					

NOTES:

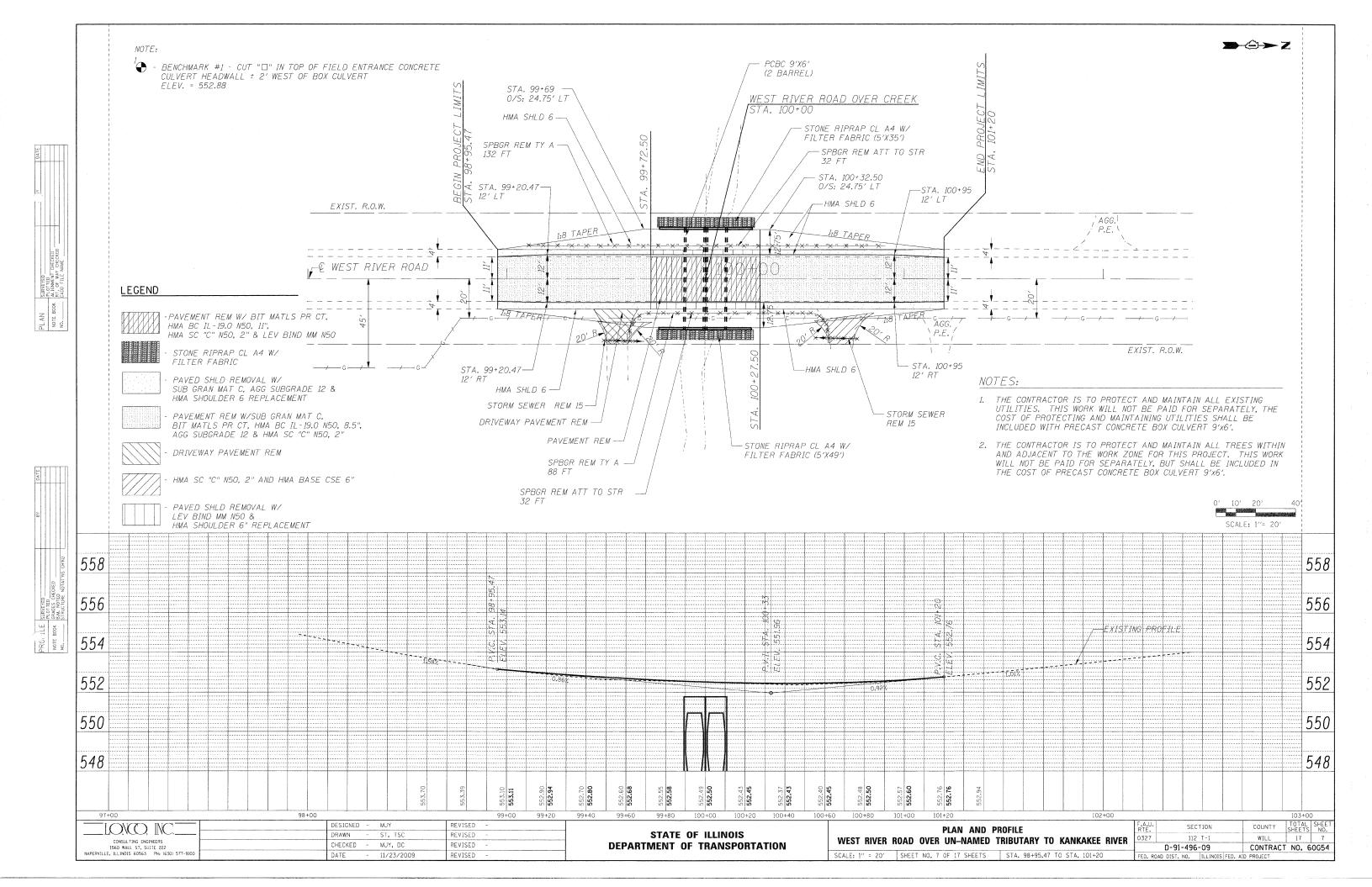
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE COURSE MIXTURES IS 112 LBS/SQ-YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

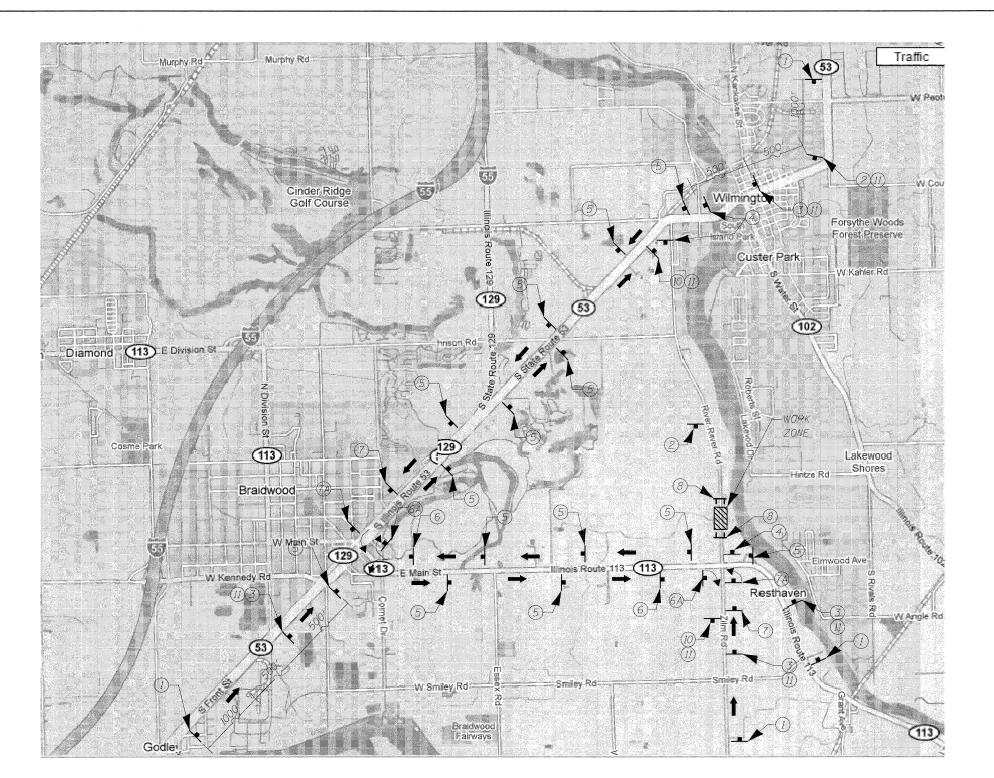
	EARTHWORK										
LOCAT STATION	rion STATION	ÉARTH EXCAVATION CU YD	EMBANKMENT CU YD	ADJ. EXCAVATION 15% CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	FURNISHED EXCAVATION CU YD					
98+95.47	101+20	284	113	241	147	0					

TYPICAL SECTIONS							
WEST RIVER R	OAD OVER	UN-NAMED	TRIBUTARY TO	KANKAKEE RIVER			
SCALE: NONE	SHEET NO. 6	OF 17 SHEETS	STA, 98+95,47 T	O STA. 101+20			

	F.A.L RTE.	j,		SEC.	TION			COUNTY	TOTAL	SHEET NO.
	0327			112	T-1			WILL	17	6
-	D-91-496-09							CONTRACT	NO. 6	OG54
	FED.	ROAD	DIST.	NO.	ILLINOIS	FED.	AID	PROJECT		







<u>LEGEND</u>

- TYPE III BARRICADE WITH TWO FLASHING LIGHTS









CLOSED





RIVER ROAD







(5)



















	USER
CONSULTING ENGINEERS 1979 N. MILL ST. SUITE 210	PLOT
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	PLOT

	USER NAME = \$USER\$	DESIGNED	-	MJY	REVISED	~
-		DRAWN	-	ST, TSC	REVISED	-
	PLOT SCALE = \$SCALE\$	CHECKED	-	MJY, DC	REVISED	-
00	PLOT DATE = \$DATE\$	DATE	-	11/23/2009	REVISED	-

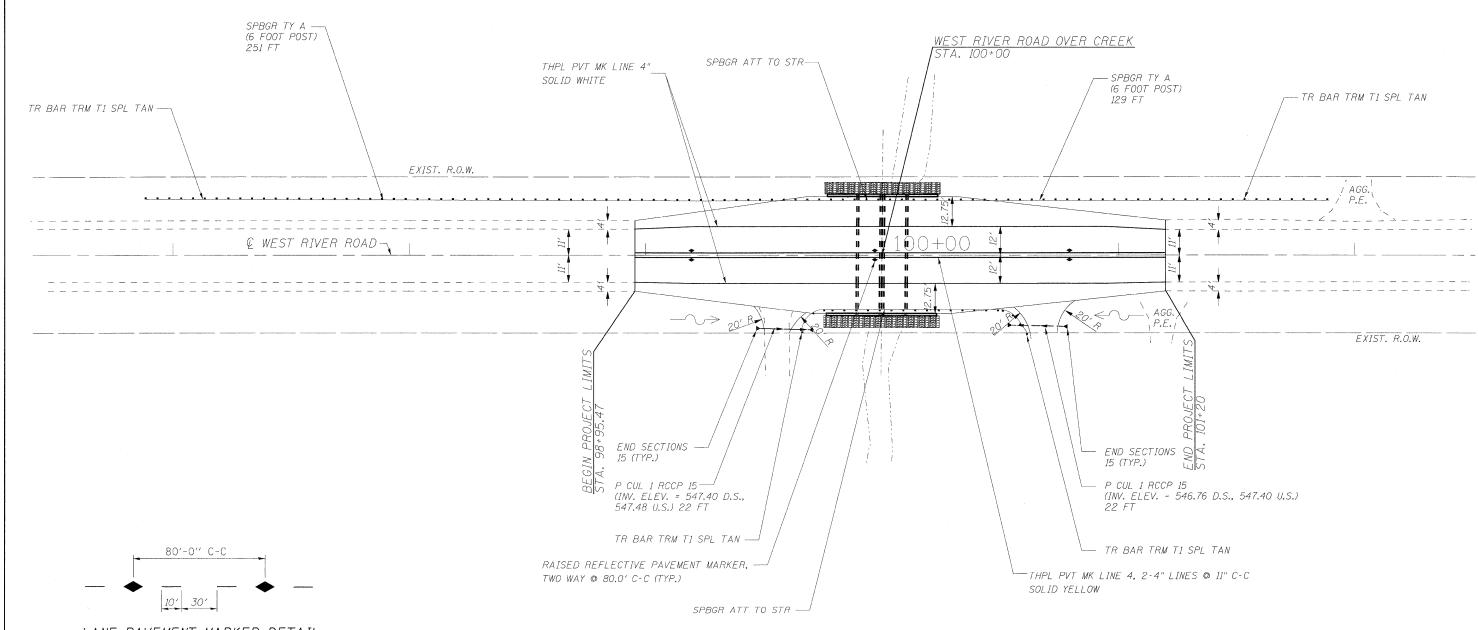
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN WEST RIVER ROAD OVER UN-NAMED TRIBUTARY OF KANKAKEE RIVER SCALE: NONE SHEET NO. 8 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.		SECT	LION			COUNTY	TOTAL SHEETS	SHEET NO.
0327	0327 112 T-1					WILL	17	8
	D-91-	496-0	09		T	CONTRACT	NO. 6	0G54
FED. RO	AD DIST.	NO.	ILLINOIS	FED.	AID	PROJECT		



REPLACE ANY PAVEMENT MARKING DAMAGED DURING CONSTRUCTION



LANE PAVEMENT MARKER DETAIL

SEE STATE STANDARD NO. 780001-01 SEE DISTRICT STANDARD NO. TC-11

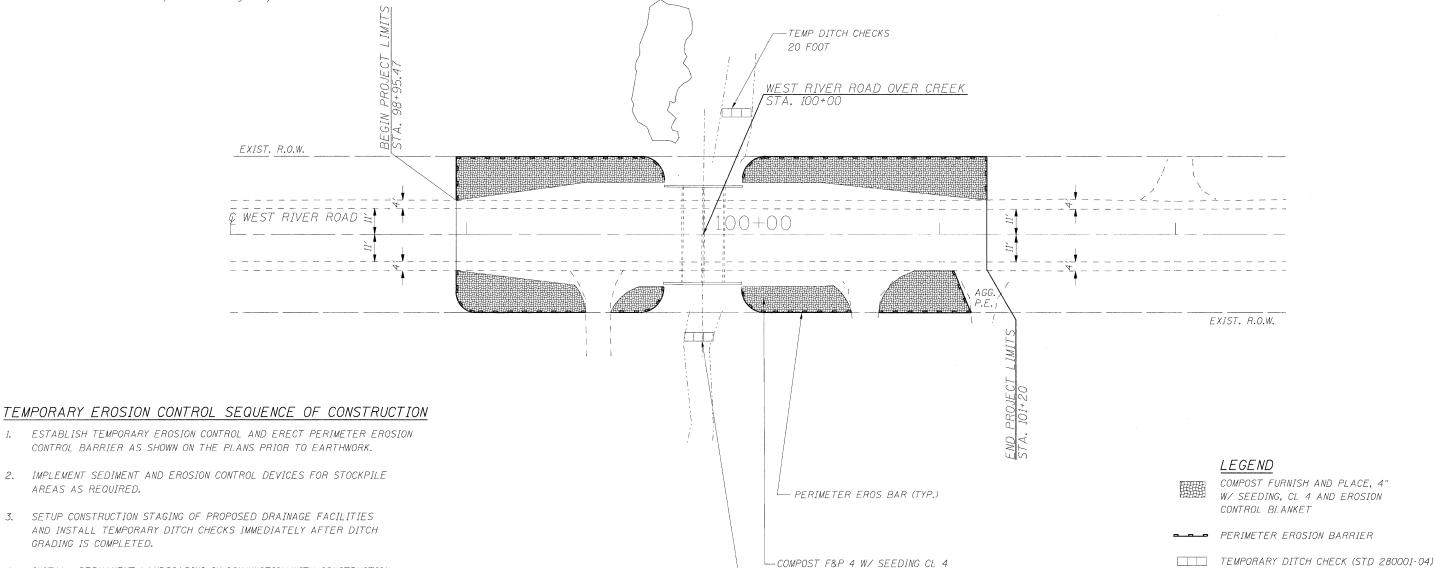


	DESIGNED - MJY	REVISED -			PAVEMENT MAR	KING PLAN	F.A.U. SECTION	COUNTY TOTAL SHEET	1
	DRAWN - ST, TSC	REVISED -	STATE OF ILLINOIS	WEST DIVED			0327 112 T-1	WILL 17 9	1
CONSULTING ENGINEERS 1560 WALL ST, SUITE 222	CHECKED - MJY, DC	REVISED -	DEPARTMENT OF TRANSPORTATION	WEST HIVEN	NOAD OVEN ON-NAMED	INIDOTANT TO KANKAKEE MIVEN	D-91-496-09	CONTRACT NO. 60G54	1
NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100	DATE - 11/23/2009	REVISED ~		SCALE: 1" = 20"	SHEET NO. 9 OF 17 SHEETS	STA, 98+95,47 TO STA, 101+20	FED. ROAD DIST. NO. ILLINOI	FED. AID PROJECT]

TEMPORARY EROSION CONTROL NOTES

- 1. THE CONTRACTOR SHALL INSTALL PERIMETER EROSION BARRIER PRIOR TO STRIPPING OF VEGETATION.
- 2. TEMPORARY DITCH CHECKS SHALL BE INSTALLED IMMEDIATELY AFTER GRADING IS COMPLETED. DITCH CHECKS ARE BASED ON ONE (1) INSTALLATION AND THREE (3) REPLACEMENTS OVER THE DURATION OF THE CONTRACT. THESE ITEMS WILL BE PAID FOR AS EACH. REGARDLESS OF THE TYPE OF CONFIGURATION USED.
- 3. RUNOFF FROM EXCAVATED AREAS SHALL LEAVE THE SITE THROUGH SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL ADJUST HIS OPERATION AND IMPLEMENT EROSION CONTROL MEASURES ACCORDINGLY.
- 4. THE PERMIT ISSUED TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION DOES NOT COVER IN-STREAM WORK BY THE CONTRACTOR. AFTER AWARD, THE CONTRACTOR WILL NEED TO COORDINATE AND HAVE A WORK PLAN APPROVED BY THE US ARMY CORPS OF ENGINEERS (USACOE). GUIDELINES ON ACCEPTABLE IN STREAM WORK TECHINQUES CAN BE FOUND ON THE USACOE WEBSITE: http://www.lrc.usage.army.mil/.

- 5. THE CONTRACTOR SHALL SURROUND ANY NECESSARY EARTH STOCKPILES WITH PERIMETER FROSION BARRIER.
- 6. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AT ALL TIMES. EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN CALENDAR DAYS OR WITHIN 24 HOURS AFTER A 13 MM (0.5 INCH) RAINFALL OR SNOWFALL.
- 7. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE BEEN CONCLUDED, AREAS THAT HAVE STEEP SLOPES OR WILL NOT RECEIVE PERMANENT LANDSCAPING, SHALL BE TEMPORARILY SEEDED. ALL FLATTER AREAS OR AREAS WHERE NO FURTHER WORK IS TO OCCUR FOR ONE MONTH OR MORE SHALL BE SEEDED AND COVERED WITH EXCELSION BLANKET WITHIN SEVEN (7) CALENDAR



AND EROSION CONTR BLANKET (TYP.)

TEMP DITCH CHECKS

15 F00T

	USER NAME = \$USER\$	DESIGNED - MJY	REVISED -
		DRAWN - ST, TSC	REVISED -
CONSULTING ENGINEERS 1560 WALL ST, SUITE 222	PLOT SCALE = \$SCALE\$	CHECKED - MJY, DC	REVISED -
NAPERVILLE, ILLINOIS 60563 PH; (630) 577-9100	PLOT DATE = \$DATE\$	DATE - 11/23/2009	REVISED -

4. INSTALL PERMANENT LANDSCAPING IN CONJUNCTION WITH CONSTRUCTION

5. CLEAN DRAINAGE FACILITIES AND REMOVE TEMPORARY EROSION DEVICES

WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED.

AREAS AS REQUIRED.

GRADING IS COMPLETED.

STAGING.

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

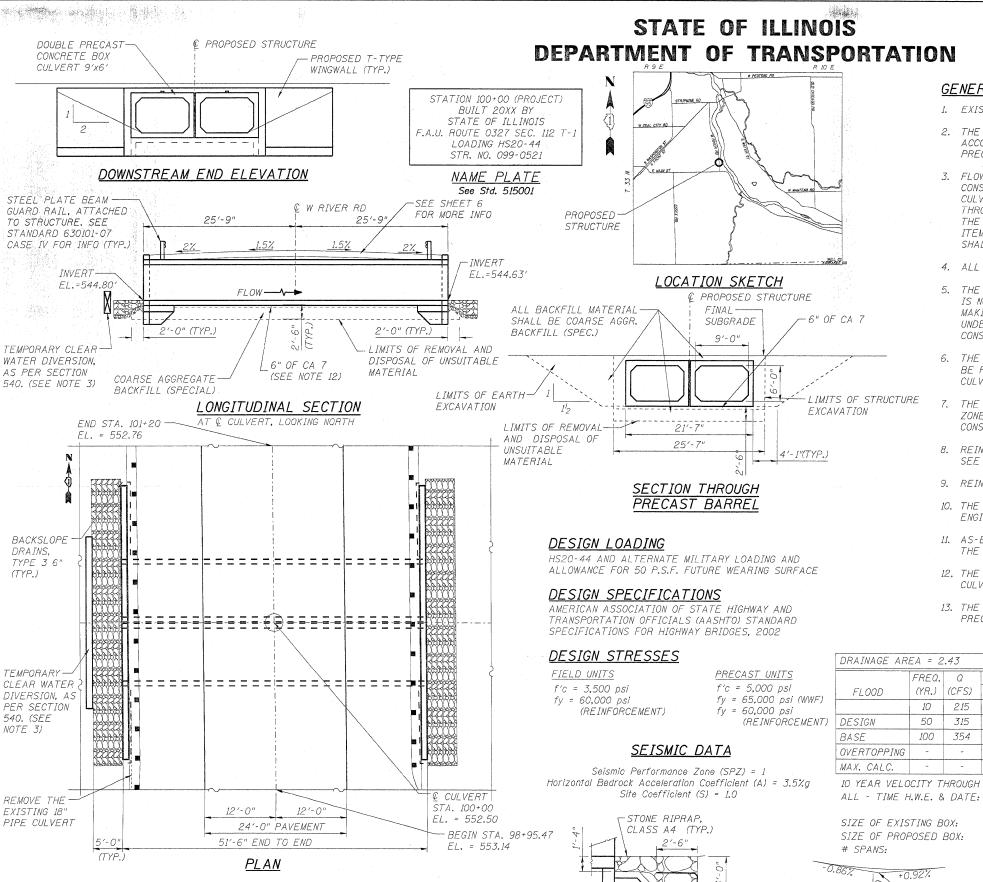
EROSION CONTROL PLAN WEST RIVER ROAD OVER UN-NAMED TRIBUTARY TO KANKAKEE RIVER SCALE: 1" = 20' SHEET NO. 10 OF 17 SHEETS STA. 98+95.47 TO STA. 101+20

COUNTY D-91-496-09 CONTRACT NO. 60G54

SCALE: 1"= 20"

~~~ WETLAND BOUNDARIES

**→ 2** 



BEDDING

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SECTION THRU RIPRAP

DESIGNED

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ST

CONSULTING ENGINEERS

1560 WALL ST. SUITE 222

NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100

#### INDEX OF STRUCTURAL SHEETS

SHT. NO. **DESCRIPTION** 

11 GENERAL PLAN, ELEVATION AND INDEX

12 HEADWALL DETAILS

13 WINGWALL DETALS

#### GENERAL NOTES

- 1. EXISTING STRUCTURE: NOT SALVAGEABLE. THE NEW STRUCTURE NUMBER IS 099-0521,
- 2. THE PROPOSED PRECAST CONCRETE BOX CULVERT SHALL BE DESIGNED BY THE CONTRACTOR ACCORDING TO THE REQUIREMENTS OF AASHTO M273. COST IS INCLUDED IN PRECAST CONCRETE BOX CULVERT 9'x6' ITEM.
- 3. FLOW OF THE CREEK UNDER WEST RIVER ROAD IS TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION BY PLACE A TEMPORARY STREAM DIVERSION AT THE UPSTREAM END OF THE BOX CULVERT/WINGWALLS AND TEMPORARILY PUMPING OR OTHERWISE CONVEYING THE STREAM FLOW THROUGH THE WORK ZONE. THE DESIGN AND CONSTRUCTION OF THE TEMPORARY DIVERSION SHALL BE THE CONTRACTOR'S RESPONSIBILITY, AND THE COST SHALL BE INCLUDED IN CONCRETE BOX CULVERTS ITEM. THE TEMPORARY STREAM DIVERSION PLAN TO BE USED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
- 4. ALL CONSTRUCTION JOINTS SHALL BE BONDED.
- 5. THE INFORMATION SHOWN IN THESE PLANS CONCERNING THE TYPE AND LOCATION OF UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE EXISTENCE, TYPE, SIZE AND LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITIES AS MAY BE NECESSARY TO AVOID CONFLICT WITH CONSTRUCTION OPERATIONS AND/OR DAMAGE TO THE UTILITY.
- 6. THE CONTRACTOR IS TO PROTECT AND MAINTAIN ALL EXISTING UTILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO PRECAST CONCRETE BOX
- 7. THE CONTRACTOR IS TO PROTECT AND MAINTAIN ALL TREES WITHIN AND ADJACENT TO THE WORK ZONE FOR THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO PRECAST CONCRETE BOX CULVERT 9'x6'.
- REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR 60 (IL MODIFIED). SEE SPECIAL PROVISIONS.
- 9. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- 10. THE CONTRACTOR SHALL SUBMIT A PLAN AND SCHEDULE OF CONSTRUCTION ACTIVITIES TO THE ENGINEER FOR APPROVAL BEFORE STARTING ANY WORK FOR THIS PROJECT.
- 11. AS-BUILT/ACTUAL DETAILS OF EXISTING BOX CULVERT AND WINGWALLS ARE NOT AVAILABLE. THE CONTRACTOR SHALL FIELD VERIFY ACTUAL EXISTING STRUCTURE TO BE REMOVED.
- 12. THE COST OF 6" OF CA 7 UNDER CULVERT SHALL BE INCLUDED IN THE PRECAST CONCRETE BOX CULVERT 9'x6' ITEM.
- 13. THE COST OF REMOVING AND REPLACING THE EXISTING 18" PIPE CULVERT SHALL BE INCLUDED IN THE PRECAST CONCRETE BOX CULVERT 9'x6' ITEM.

#### WATERWAY INFORMATION

| DRAINAGE AR | EA = 2 | .43   | LOW GRAL | DE ELEV. = 552 | 2.22 EXISTINO | 9 AND 552. | 28 PROPOSE     | D A       | T STATION 100+15 |
|-------------|--------|-------|----------|----------------|---------------|------------|----------------|-----------|------------------|
|             | FREQ.  | Q     | WATERWAY | OPENING (FT.)  | NATURAL       | HEAL       | ) <i>(FT.)</i> | HEADWATER | ELEVATION (FT.)  |
| FLOOD       | (YR.)  | (CFS) | EXISTING | PROPOSED       | H.W.E. (FT.)  | EXISTING   | PROPOSED       | EXISTING  | PROPOSED.        |
|             | 10     | 215   | 40.1     | 47.3           | 547.43        | 0.35       | 0.11           | 547.78    | 547.54           |
| DESIGN      | 50     | 315   | 59.4     | 69.1           | 548.64        | 0,38       | 0.24           | 549.02    | 548.88           |
| BASE        | 100    | 354   | 67.3     | 77.9           | 549.13        | 0.42       | 0.28           | 549.55    | 549.41           |
| OVERTOPPING | -      | -     | -        |                | ~             | -          | -              | -         | -                |
| MAX. CALC.  | -      | -     | _        | - , ,          | -             | -          | -              | -         | -                |

ALL - TIME H.W.E. & DATE: UNKNOWN

8'x6'

9'x6'

2 (EXISTING, PROPOSED)

10 YEAR VELOCITY THROUGH EXISTING BRIDGE = 6.06ft/s 10 YEAR VELOCITY THOUGH PROPOSED STRUCTURE = 4.82 ft/s

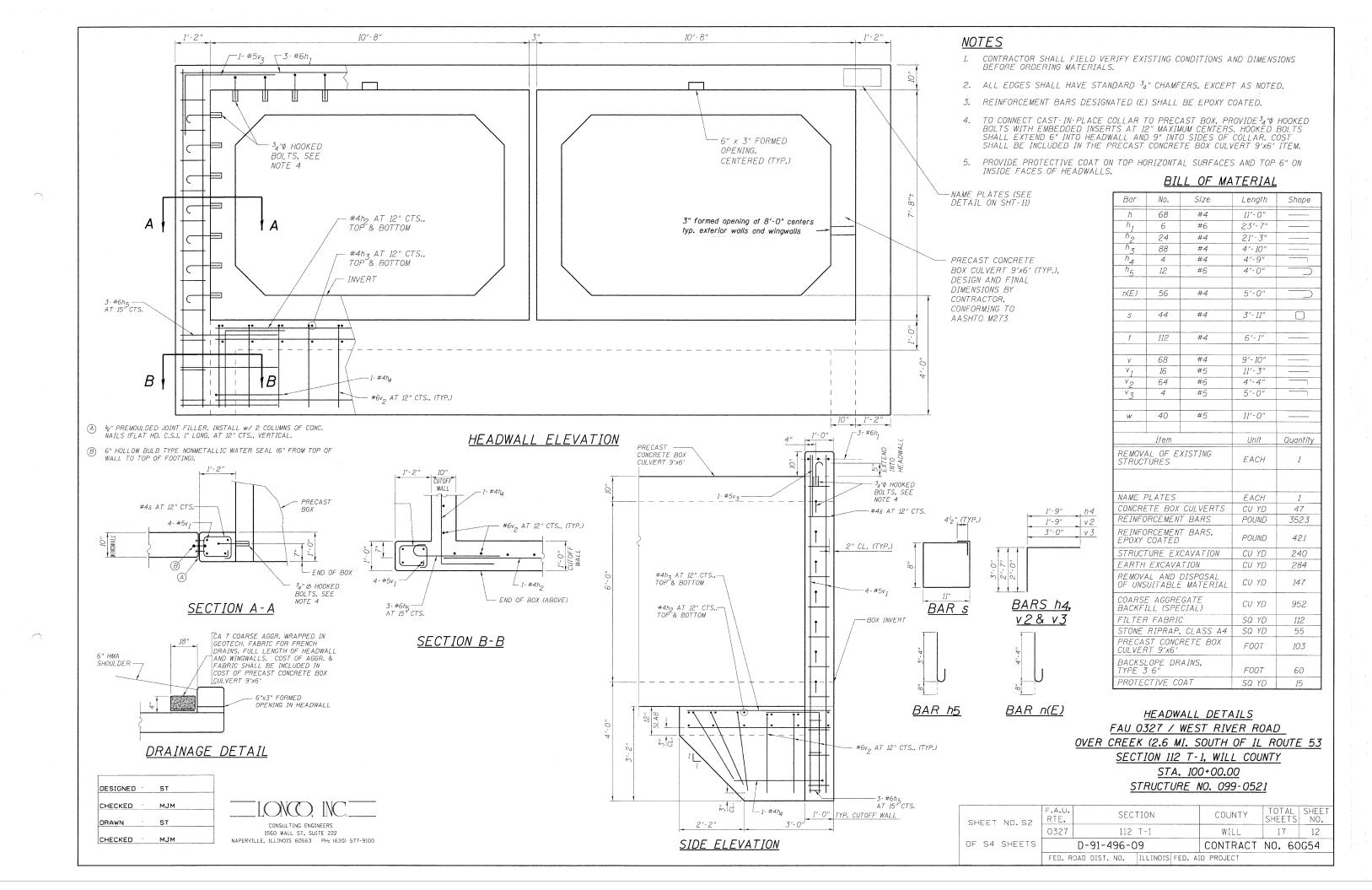
GENERAL PLAN, ELEVATION AND INDEX FAU 0327 / WEST RIVER ROAD OVER CREEK (2.6 MI. SOUTH OF IL ROUTE 53

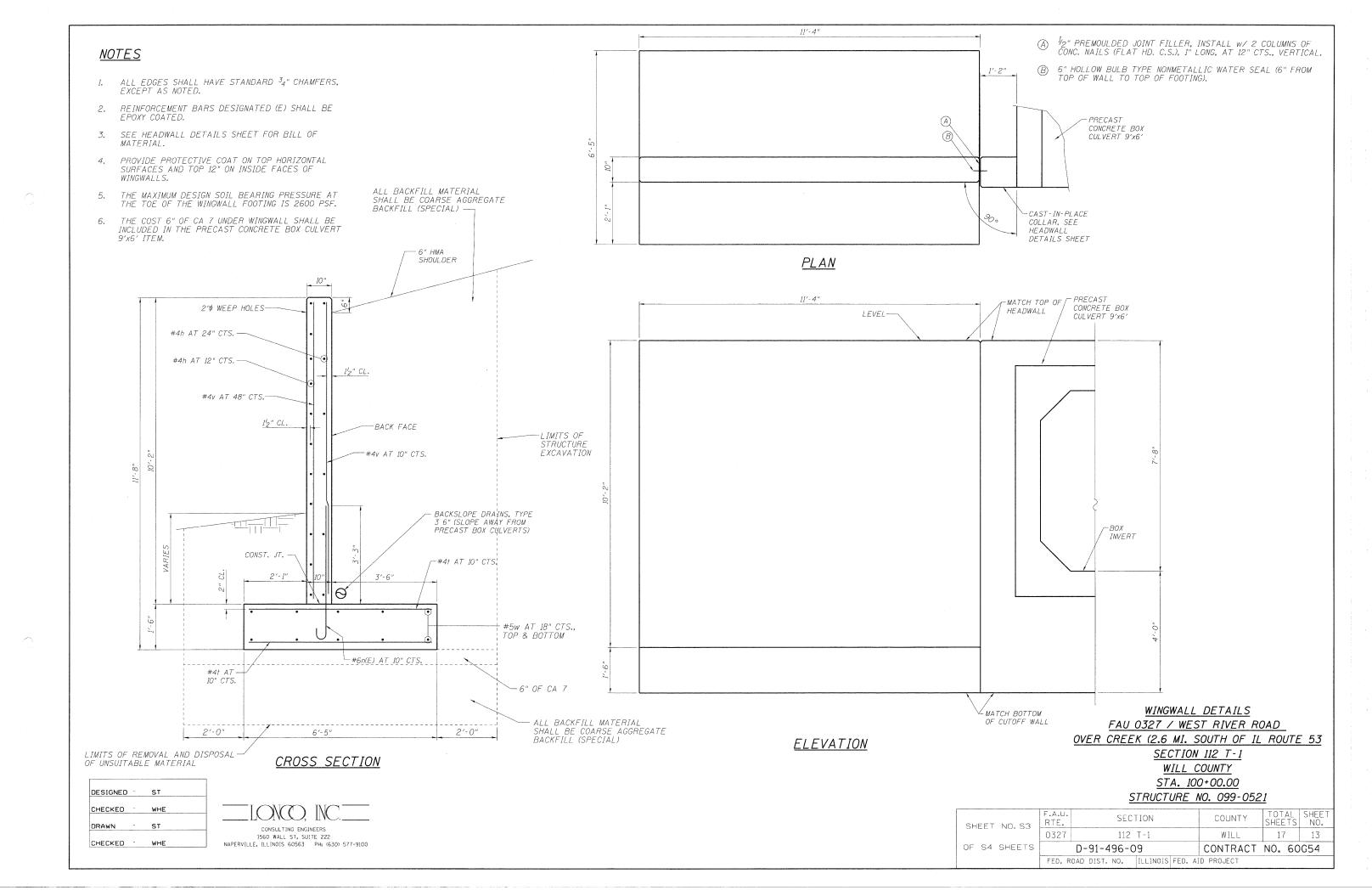
> SECTION 112 T-1 WILL COUNTY STA. 100+00.00 STRUCTURE NO. 099-0521

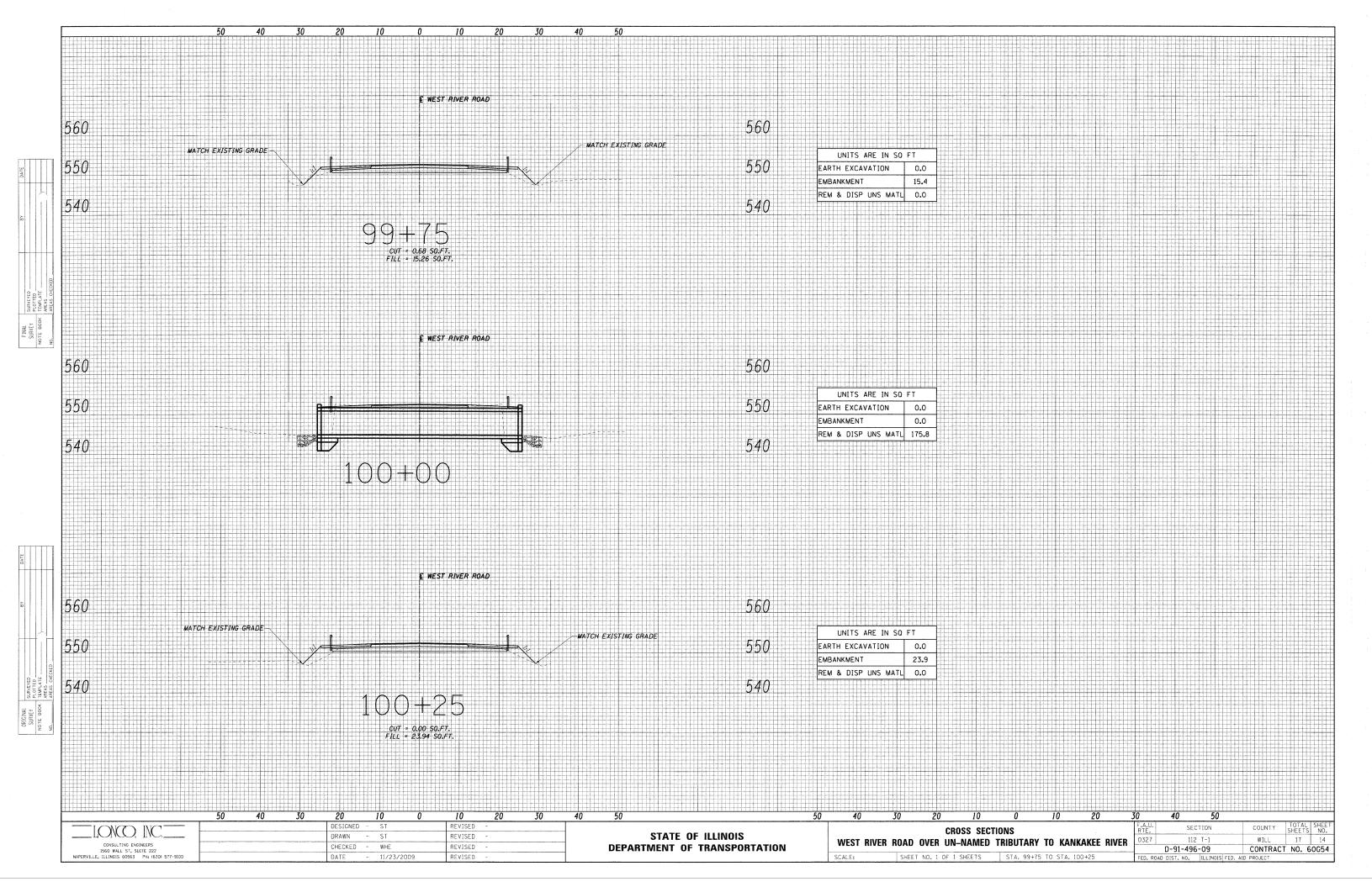
-P.V.I. STA. 100+33 EL. = 551.96

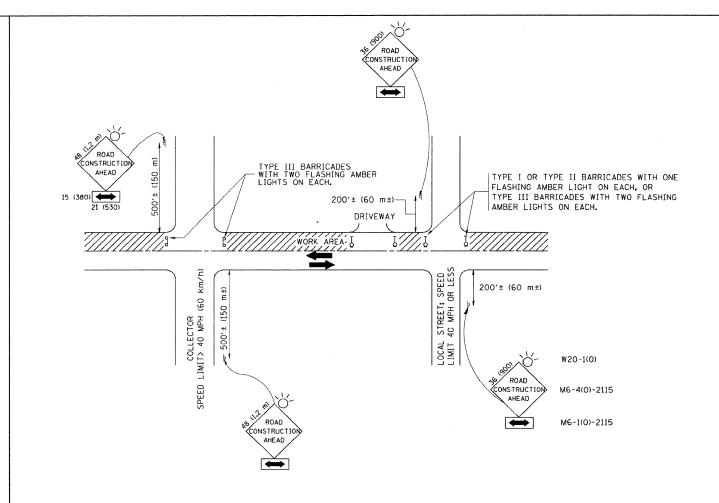
F.A.U. TOTAL SHEE SHEETS NO. SECTION COUNTY SHEET NO. S1 0327 112 T-1 WILL 17 11 OF S3 SHEETS D-91-496-09 CONTRACT NO. 60G54 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PROFILE GRADE









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

#### 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:
- 0) ONE ROAD CONSTRUCTION AHEAD SIGN 36  $\times$  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:
- d) 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).

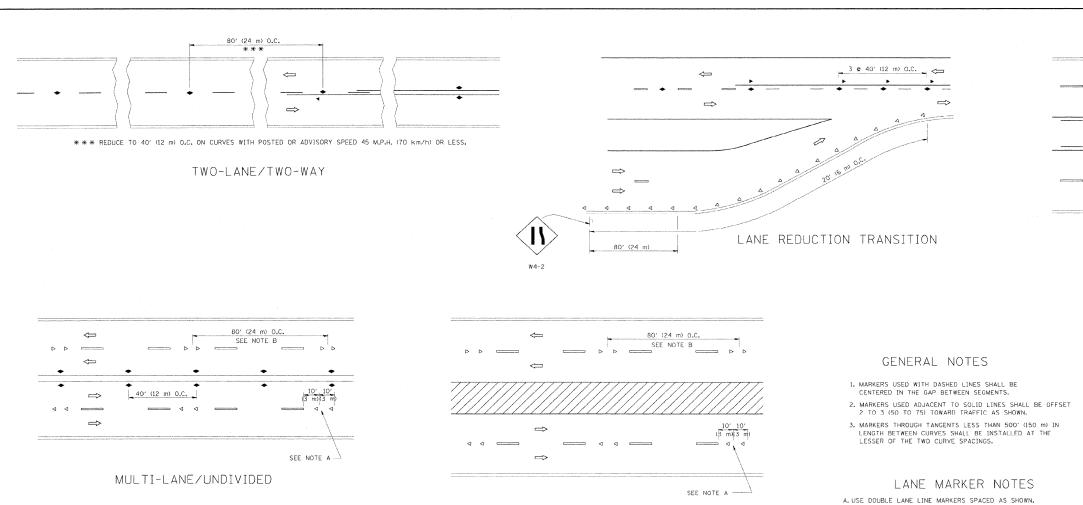
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL 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 | -    | Α.  | HOUSEH  | 03-06-96  |
| REVISED | -    | Α.  | HOUSEH  | 10-15-96  |
| REVISED | - T. | . R | AMMACHE | R 01-06-0 |

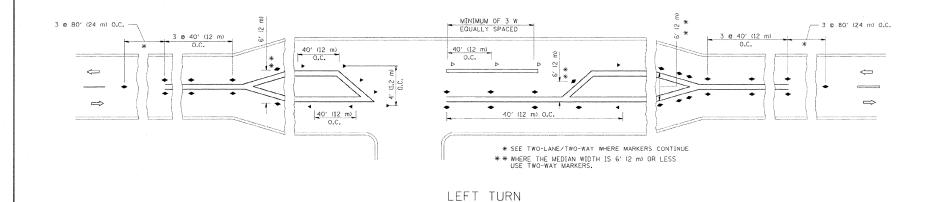
All dimensions are in millimeters (inches

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

|                                                 | DESIGNED - MJY    |           |                              | DISTRICT ONE DETAIL SHEETS                                    | F.A.U.         | SECTION  | COUNTY T   | OTAL  | SHEE |
|-------------------------------------------------|-------------------|-----------|------------------------------|---------------------------------------------------------------|----------------|----------|------------|-------|------|
|                                                 | DRAWN - ST        | REVISED - | STATE OF ILLINOIS            | WEST RIVER ROAD OVER UN-NAMED TRIBUTARY TO KANKAKEE RIVER     | 0327           | 112 T-1  | WILL       | 17    | 15   |
| CONSULTING ENGINEERS<br>1560 WALL ST, SUITE 222 | CHECKED - MJY     | REVISED - | DEPARTMENT OF TRANSPORTATION | MAEST MINEN MAN ONEN OIN-MAINIED THIDDIANT IN VAINVANCE DIACH | D-91           | 1-496-09 | CONTRACT N | NO. 6 | 0G54 |
| MAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100   | DATE - 11/23/2009 | REVISED - |                              | SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. 99+00 TO STA. 101+00 | FED. ROAD DIST |          | D PROJECT  |       |      |



MULTI-LANE/DIVIDED



REVISED

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.

REVISED - T. RAMMACHER 09-19-94

REVISED -T. RAMMACHER 01-06-00

T. RAMMACHER 03-12-99

#### DESIGN NOTES

SYMBOLS

ONE-WAY AMBER MARKER

◆ TWO-WAY AMBER MARKER

ONE-WAY CRYSTAL MARKER (W/O)

---- YELLOW STRIPE

WHITE STRIPE

J 5

TWO-WAY LEFT TURN

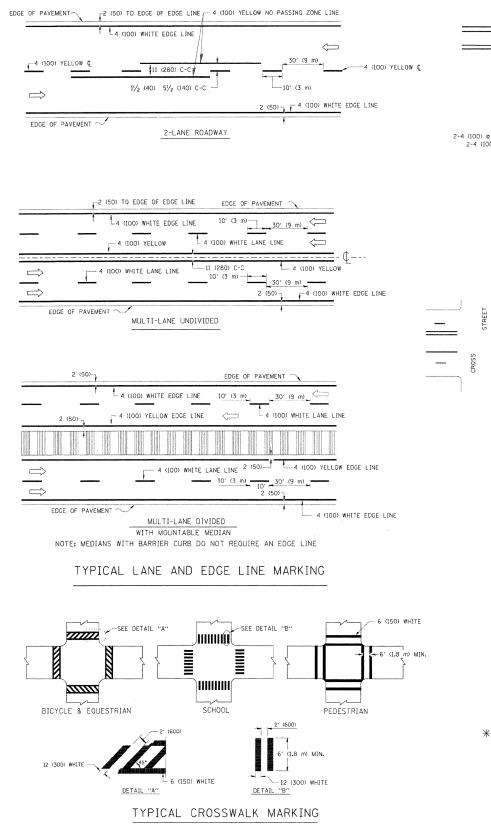
40' (12 m) O.C.

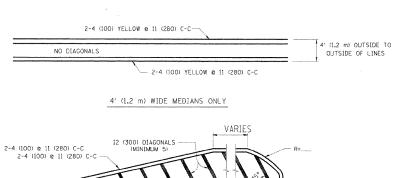
- 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN
- MARKERS SHOULD NOT BE USED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

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

## TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

|                                               | DESIGNED - MJY    |           |                              |             | DISTRICT ONE DETA       | All SHEFTS                  | F.A.U.<br>RTE. | SECTION               | COUNTY          | TOTAL SHEET |
|-----------------------------------------------|-------------------|-----------|------------------------------|-------------|-------------------------|-----------------------------|----------------|-----------------------|-----------------|-------------|
| CONSULTING ENGINEERS                          | <br>DRAWN - ST    | REVISED - | STATE OF ILLINOIS            | WEST RIVER  |                         | TRIBUTARY TO KANKAKEE RIVER | 0327           | 112 T-1               | WILL            | 17 16       |
| 1560 WALL ST, SUITE 222                       | <br>CHECKED - MJY | REVISED - | DEPARTMENT OF TRANSPORTATION |             |                         |                             |                | D-91-496-09           | CONTRACT        | T NO. 60G54 |
| NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100 | DATE - 11/23/2009 | REVISED - |                              | SCALE: NONE | SHEET NO. 2 OF 3 SHEETS | STA. 99+00 TO STA. 101+00   | FED. RO.       | AD DIST. NO. ILLINOIS | ED. AID PROJECT |             |





MEDIAN LENGTH

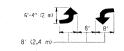
FOR MEDIAN LENGTH

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING
CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED
DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

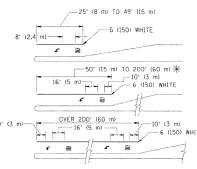
# MEDIANS OVER 4' (1,2 m) WIDE 4 (100) YELLOW LINES (51/2 (140) C-C) 4 (100) YELLOW 0 11 (280) C-C 4 (100) YELLOW LINES (51/2 (140) C-C) A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR.

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

#### TYPICAL PAINTED MEDIAN MARKING

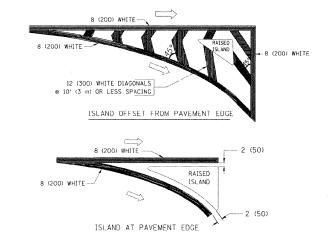


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  $\P$  AREA = 15.6 SO. FT. (1.5 m² ) ONLY AREA = 20.8 SO. FT. (1.9 m²)

\*\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED WIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



#### TYPICAL ISLAND MARKING

| TYPE OF MARKING                                                                                   | WIDTH OF LINE                                                                                       | PATTERN                 | COLOR                                                   | SPACING / REMARKS                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CENTERLINE ON 2 LANE PAVEMENT                                                                     | 4 (100)                                                                                             | SKIP-DASH               | YELLOW                                                  | 10' (3 m) LINE WITH 30' (9 m) SPACE                                                                                                                                |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT                                                       | 2 @ 4 (100)                                                                                         | SOLID                   | YELLOW                                                  | 11 (280) C-C                                                                                                                                                       |
| NC PASSING ZONE LINES:<br>FOR ONE DIRECTION<br>FOR BOTH DIRECTIONS                                | 4 (100)<br>2 @ 4 (100)                                                                              | SOLID<br>SOLID          | YELLOW<br>YELLOW                                        | 5½ (140) C-C FROM SKIP-DASH CENTERLINE<br>11 (280) C-C<br>OMIT SKIP-DASH CENTERLINE BETWEEN                                                                        |
| LANE LINES                                                                                        | 4 (100)<br>5 (125) ON FREEWAYS                                                                      | SKIP-DASH<br>SKIP-DASH  | WHITE<br>WHITE                                          | 10' (3 m) LINE WITH 30' (9 m) SPACE                                                                                                                                |
| DOTTED LINES<br>(EXTENSIONS OF CENTER, LANE OR<br>TURN LANE MARKINGS)                             | SAME AS LINE BEING<br>EXTENDED                                                                      | SKIP-DASH               | SAME AS LINE BEING<br>EXTENDED                          | 2' (600) LINE WITH 6' (1.8 m) SPACE                                                                                                                                |
| EDGE LINES                                                                                        | 4 (100)                                                                                             | SOLID                   | YELLOW-LEFT<br>WHITE-RIGHT                              | OUTLINE MOUNTABLE MEDIANS IN YELLOW: EDGE LINES ARE NOT USED NEXT TO BARRIER CURB                                                                                  |
| TURN LANE MARKINGS                                                                                | 6 (150) LINE; FULL<br>SIZE LETTERS &<br>SYMBOLS (8' (2,4m))                                         | SOLID .                 | WHITE                                                   | SEE TYPICAL TURN LANE MARKING DETAIL                                                                                                                               |
| TWO WAY LEFT TURN MARKING                                                                         | 2 @ 4 (100)<br>EACH DIRECTION                                                                       | SKIP-DASH<br>AND SOLID  | YELLOW                                                  | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 51/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE                                                            |
|                                                                                                   | 8' (2.4m) LEFT ARROW                                                                                | IN PAIRS                | WHITE                                                   | SEE TYPICAL TWO-WAY LEFT TURN<br>MARKING DETAIL                                                                                                                    |
| CROSSWALK LINES (PEDESTRIAN)<br>A. DIAGONALS (BIKE & EQUESTRIAN)<br>B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150)<br>12 (300) @ 45°<br>12 (300) @ 90°                                                     | SOLID<br>SOLID<br>SOLID | WHITE<br>WHITE<br>WHITE                                 | NOT LESS THAN 6' (1.8 m) APART<br>2' (500) APART<br>2' (500) APART<br>SEE TYPICAL CROSSWALK MARKING DETAILS.                                                       |
| STOP LINES                                                                                        | 24 (600)                                                                                            | SOLID                   | WHITE                                                   | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSMALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS                                                                                   | 2 @ 4 (100) WITH<br>12 (300) DIAGONALS<br>@ 45°<br>NO DIAGONALS USED FOR<br>4' (1.2 m) WIDE MEDIANS | SOLID                   | YELLOW:<br>TWO WAY TRAFFIC<br>WHITE:<br>ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.                                                                                               |
| GORE MARKING AND<br>CHANNELIZING LINES                                                            | 8 (200) WITH 12 (300)<br>DIAGONALS @ 45°                                                            | SOLID                   | WHITE                                                   | DIACONALS:<br>15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h))<br>20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))<br>30' (9 m) C-C (OVER 45MPH (70 km/h))             |
| RAILROAD CROSSING                                                                                 | 24 (600) TRANSVERSE<br>LINES: "RR" IS 6' (1.8 m:<br>LETTERS; 16 (400)<br>LINE FOR "X"               | SOLID                   | WHITE                                                   | SEE STATE STANDARD 780001<br>AREA OF:<br>"R"3.6 SO, FT. (0.33 m²) EACH<br>"X"=54.0 SO, FT. (5.0 m²)                                                                |
| SHOULDER DIAGONALS                                                                                | 12 (300) @ 45°                                                                                      | SOLID                   | WHITE - RIGHT<br>YELLOW - LEFT                          | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))<br>75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)<br>150' (45 m) C-C (OVER 45MPH (70 km/h))                        |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

REVISED -T. RAMMACHER 10-27-94

REVISED

REVISED

-C. JUCIUS 09-09-09

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

### **DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

|                                                 | DESIGNED | - | MJY        |         |     |
|-------------------------------------------------|----------|---|------------|---------|-----|
|                                                 | DRAWN    | - | ST         | REVISED | -   |
| CONSULTING ENGINEERS<br>1560 WALL ST, SUITE 222 | CHECKED  | - | MJY        | REVISED | -   |
| NAPERVILLE, ILLINOIS 60563 PH: (630) 577-9100   | DATE     | - | 11/23/2009 | REVISED | er. |
|                                                 |          |   |            |         |     |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

|              | DISTRICT ONE DETAIL SHEETS                         | F.A.U.<br>RTE. |
|--------------|----------------------------------------------------|----------------|
| WEST RIVER   | ROAD OVER UN-NAMED TRIBUTARY TO KANKAKEE RIVER     | 0327           |
| WEG! IIIVEII | HOAD OVER ON TARRED TRIBOTANT TO RANKAREE HIVEN    | D-91-          |
| CALE. NONE   | SHEET NO 15 OF 15 SHEETS   STA 99+00 TO STA 101+00 | FED DOAD DIST  |

| D-91-496-09   CONTRACT NO. 60 | T NO. 60G54 |
|-------------------------------|-------------|
|                               |             |