# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

# PROPOSED HIGHWAY PLANS

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF STANDARDS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN FOX LAKE, IL

 $\circ$ 

S.N. 049-0017 ADT = 14,000 (2007) POSTED SPEED: 40 MPH

**GRAPHIC SCALES:** 

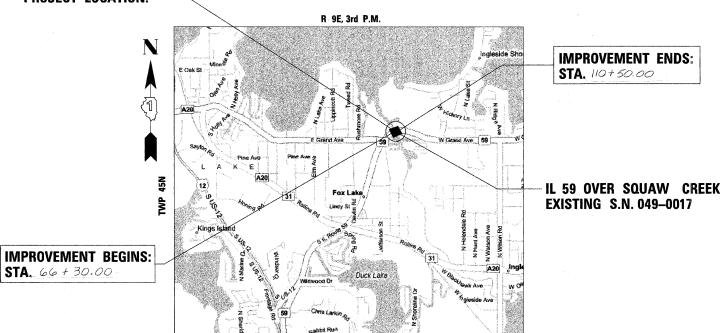
MAINTENANCE OF TRAFFIC

COVER SHEET

PROPOSED PLAN

F.A.P. ROUTE 104 (IL ROUTE 59) AT SQUAW CREEK SECTION W-EXT-I PROJECT NO. NHF-O104(020) BRIDGE DECK OVERLAY LAKE COUNTY JOB NO. C-91-242-10

PROJECT LOCATION:



**LOCATION MAP** 

, Ø62-Ø567(

LICENSED PROFESSIONA

ENGINEER

**SEAL** 

GROSS AND NET LENGTH OF IMPROVEMENT = 4,420 FEET = 0.84 MILE

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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: MICHELLE A. AQUINO — (847) 705—4606 PROJECT MANAGER: RAJENDRA C. SHAH — (847) 705—4555

CONTRACT NO.: 60J52

The M. Sm

FRED M. LIN, P.E. ILLINOIS REGISTERED ENGINEER NO. 062-056704 REGISTRATION EXPIRES NOV. 30, 2011

+a1+11 = 3a

#### D-91-242-10





PREPARED BY: LIN ENGINEERING, LTD. CHATHAM, ILLINOIS 62629 (217) 483-4168

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 22, 20 10

Deine M. O'Harfa gar
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

march 19 20 10

SCOTT E. Stitt P.P. &

march 19 20 10

Christine M. Reed &
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

ROV

### INDEX OF SHEETS

- 2 INDEX OF SHEETS, STANDARDS, GENERAL NOTES & COMMITMENTS
- **\***3 SUMMARY OF QUANTITIES
- \*\* 4 PROPOSED ROADWAY PLAN \*\* 4A-4B RESURFACING AND PAVT. MARKING
- 5-6 MAINTENANCE OF TRAFFIC PLANS PROPOSED PAVEMENT MARKING PLAN
- 14-21D. DISTRICT STANDARDS

### STATE STANDARDS

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

001001-02 AREA OF REINFORCEMENT BARS DECIMAL OF AN INCH AND OF A FOOT

001006 FABRIC FORMED CONCRETE REVETMENT MATS

606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

\* 34 - 3E TYPICAL SECTIONS

STEEL PLATE BEAM GUARDRAIL 630001-08

631046-04 TRAFFIC BARRIER TERMINAL, TYPE 10

REFLECTOR MARKER AND MOUNTING DETAILS

701006-03 OFF-RD OPERATIONS , 2L, 2W, 15'(4.5m) TO 24" (600mm) FROM EOP

OFF-RD OPERATIONS, MULTILANE 15'(4.5m) TO 24"(600mm) FROM EOP 701101-02

701201-03 LANE CLOSURE , 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH

LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER TRAFFIC CONTROL DEVICES 701321-10

701901-01

704001-06 TEMPORARY CONCRETE BARRIER

METAL POSTS FOR SIGNS, MARKERS & DELINEATORS

728001-01 TELESCOPING STEEL SIGN SUPPORT 729001-01 APPLICATIONS OF TYPES A&B METAL POSTS (FOR SIGNS & MARKERS)

### 701301-03 701306-02 701336-05 701501-05 701601-06 701606-06 701701-06

### DISTRICT STANDARDS

BD03 OUTLET FOR CONCRETE CURB AND GUTTER

BD32 BUTT JOINT AND HMA TAPER DETAILS

TC10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS-INTERSECTIONS AND DRIVEWAYS

TC11 TYPICAL APPLICATIONS RAISED REFLECTIVE PVMT MARKERS (SNOW-PLOW RESISTANT)

TYPICAL PAVEMENT MARKINGS

TC16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

TC22 ARTERIAL ROAD INFORMATION SIGN DRIVEWAY ENTRANCE SIGNING

TC25 8E800 BE805

### COMMITMENTS

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

### GENERAL NOTES

- 1. THESE PLANS HAVE BEEN PREPARED FROM INFORMATION ACQUIRED FROM EXISTING PLANS AND NOTES RECEIVED FROM IDOT FIELD MAINTENANCE ENGINEERS.
- 2. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO VARIATIONS FOUND IN THE FIELD. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. ANY ADJUSTMENTS PROPOSED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE.
- 3. QUANTITIES FOR DECK SLAB REPAIR ARE APPROXIMATE, LOCATIONS WILL BE DETERMINED BY THE ENGINEER FOLLOWING REMOVAL OF THE HMA SURFACE COURSE AND HYDRO-SCARIFICATION. ACTUAL REPAIR LOCATIONS SHALL BE SHOWN ON THE AS-BUILT PLANS.
- 4. FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION. THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) OR 811 FOR LOCATIONS OF THE EXISTING UTILITIES.
- 5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 6. SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
- 7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 8. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 9. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS ADJOINING RESIDENTIAL AREAS.
- 10. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING
- 11. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ASSURE THAT NO DEBRIS FALLS INTO THE CREEK. THE COST OF THIS WORK SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS.
- 12, THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- 13. THE CONTRACTOR SHALL CONTACT DEBBIE HANLON, THE AREA TRAFFIC FIELD TECHNICIAN, AT (847) 438-2300 TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 14. ALL DAMAGE TO EXISTING "AVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 15. ALL RAISED REFLECTIVE PAVEMENT MARKS (BRIDGE) SHALL BE LOW PROFILE.
- 16. ACCESS SHALL BE PROVIDED AT ALL TIMES TO PROPERTIES ABUTTING THE PROPOSED IMPROVEMENT.

Gen. Notes (Cony.) +

### Gen. Notes (Con't.)

- 17. TWO CENTERLINE REFERENCES HAVE BEEN UTILIZED FOR THIS CONTRACT. PROPOSED STRUCTURAL APPROACH ROADWAY AND ERGISING CONTROL IMPROVEMENTS SHALL REFERENCE ONE CENTERLINE.

  ALL OTHER IMPROVEMENTS INCLUDING PROPOSED RESURFACING AND PAVEMENT MARKING

  IMPROVEMENT SHALL REFERENCE THE OTHER CENTERLINE.
- 18. CONTRACTOR SHALL COORDINATE WITH ADJACENT CONTRACT AND SHALL BE AWARE THAT CERTAIN OPERATIONS MAY BE PERFORMED WITHIN PROJECT LIMIT OF THIS CONTRACT.
- 19. THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO START OF CONSTRUCTION.
- 20. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 % (40 Mm) WHERE THE SPEED LIMIT IS 45 PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.2°: (40 MM) WHERE THE SPEED LIMIT 15.45 MPH (80KPH) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT 15 GREATER THAN 45 MPH (80KPH) WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3° (75MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 21. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINTS AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE NOTED.
- 22. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
SURFACE COURSE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm) - 1344"	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/T4.
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.

				•		Revi.
FILE NAME =	USER NAME = \$USER\$	DESIGNED - DPS	REVISED -		INDEX OF SHEETS, STANDARDS, GENERAL NOTES & COMMITMENTS	F.A.P. SECTION COUNTY TOTAL SHEET
\$FILEL\$		DRAWN - DPS	REVISED -	STATE OF ILLINOIS	IL ROUTE 59 OVER SQUAW CREEK	104 W-EXT-I LAKE 21 2
	PLOT SCALE = \$SCALE\$	CHECKED - FL	REVISED ~	DEPARTMENT OF TRANSPORTATION	IL NOUTE 39 OVER SQUAVY CREEK	CONTRACT NO. 60J52
	PLOT DATE = \$DATE\$	DATE - 1/2010	REVISED -		SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.	FED, ROAD DIST. NO.   ILLINOIS FED. AID PROJECT

# SUMMARY OF QUANTITIES BOIFED/2015TATE

			8	1.FEQ/201.ST	ATE		
	CODE NUMBER	ITEM	UNIT	TOTAL	X043-2A STRUCTURE	IOOO-2A ROADWAY	1
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	6		6	
	20400800	FURNISHED EXCAVATION	CU YD	10		10	-
	28500100	FABRIC FORMED CONCRETE REVETMENT MAT	SQ YD	151		151	MAG.
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	40	40		
	-40600635	-LEVELING BINDER (MACHINE METHOD), N70-	<del>-TON-</del>	-9	-9		_
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1866	1866		
	42001300	PROTECTIVE COAT	SQ YD	28		28	
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	196	196		_
	44000915	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	201	201		
	50157300	PROTECTIVE SHIELD	SQ YD	199	199		***
	50300260	BRIDGE DECK GROOVING	SQ YD	201	201		
	50300300	PROTECTIVE COAT	SQ YD	201	201		
	50300530	FLOOR DRAIN EXTENSION	EACH	4	4		-
	60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAYEMENT)	FOOT	100		100	
	63300115	REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARD RAIL, SINGLE RAIL	FOOT	162.5		162.5	_
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6		ω_	-
	67100100	MOBILIZATION	L SUM	1		1	
	70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1 -		1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10		10	_
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1		1	
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2		2	_
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1600		1600	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	312.5		312.5	_
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	275		275	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9656		9656	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1330		1330	
*	78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	2		2	
*	78100300	REPLACEMENT REFLECTOR	EACH	26		26	
*	78200530	BARRIER WALL MARKERS, TYPE C	EACH	100		100	-
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	938		938	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACII	94		94	
	X0320887	POLYMER CONCRETE	CU FT	4.2	4.2		_
	X0321468	PLUG EXISTING DECK DRAINS	EACH	2	2		
	XZ193500	BRIDGE DECK CONCRETE OVERLAY, 2 1/4"	SQ YD	201	201		

URBAN	
801 FED. /20/STATE	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	X043-2A STRUCTURE	IOOO-2A ROADWAY	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	116		116	-
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	49	49		-
X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	1962		1962	-
X0325841	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 24 INCH	FOOT	. 72		72	~
Z0006204	BRIDGE DECK HYDRO-SCARIFICATION 1/2"	SQ YD	201	201		-
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	7.7	7.7		_
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2		2	
Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	2		2	

Code No.	Description	Unit.	URBAN 80%, FED. 20%. STATE Quantity	IOOO-2A Roadway
58700300	CONCRETE SEALER	SQ FT	127	127
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	12.50	12.50
28000400	PERIMETER EROSION BARRIER	FOOT	112	112
20201006	GRADING AND SHAPING SHOULDERS	UNIT	40	40
40600826	POLYMERIZED LEVELING BINDER (MACHINE	TON	725	725
	METHOD),IL-4.75, N50			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL -	SQ YD	41	41
	BUTT JOINT			
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/4"	SQ YD	21,976	21,976
44200108	PAVEMENT PATCHING, TYPE II, 9 INCH	SQ YD	220	220
44200112	PAVEMENT PATCHING, TYPE III, 9 INCH	SQ YD	440	440
44200114	PAVEMENT PATCHING, TYPE IV, 9 INCH	SQ YD	220	220
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	190	190
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3000	3 000
70300210	TEMPORARY PAVEMENT MARKING - LETTERS	SQ FT	146	146
	AND SYMBOLS			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	6900	6900
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	400	400
70300250	TEMPORARY PAVEMENT MARKING LINE 8"	FOOT	160	160
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	720	720
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	48	48
<b>≯</b> 78000100	THERMOPLASTIC PAVEMENT MARKING -	SQ FT	146	146
	LETTERS AND SYMBOLS			
<b>★</b> 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	400	400
<b>⊀</b> 78000500	THERMOPLASTIC PAVEMENT MARKING LINE 8"	FOOT	160	160
<b>≯</b> 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	48	48
<b>★</b> 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	92	92
X0326276	TEMPORARY LIGHTING FOR SINGLE LANE STAGING	L SUM	1	1

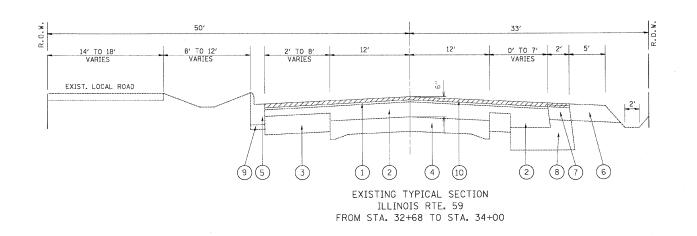
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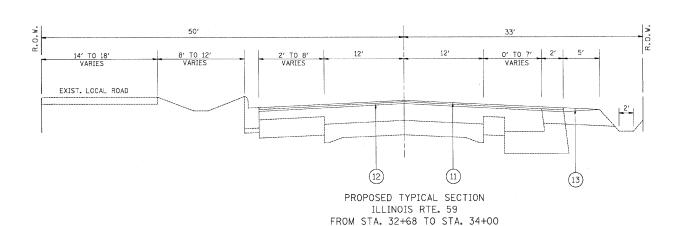
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PLOT DATE - *DATE*	DATE -	1/2010	DEVISED	

FILE NAME =

\$FILEL\$

SUMMARY OF QUANTITIE								
4.	IL	ROU'	TE 59	OVER	SO	WAU	CREEK	
SCALE:	SHEET	NO.	OF	SHEE	TS	STA.		





SHEET ADDED - 03/24/2010

### LEGEND

FOR USE WITH SHEETS 4A & 4B OF 21.

1) EXIST, HMA SURFACE COURSE 2-1/2"

2 EXIST. HMA PAVEMENT 3-1/2"

(3) EXIST. HMA BASE COURSE WIDENING 9"

EXIST. P.C. CONCRETE PAVEMENT 9"

(5) EXIST. COMB. CURB AND GUTTER, TY B-6.24

(6) EXIST, AGGREGATE SHOULDER TY B

(7) EXIST, HMA SHOULDER 8"

(8) EXIST. AGGREGATE SUBGRADE

9 EXIST. SUBBASE GRANULAR MATERIAL

(10) PROP. HMA SURFACE REMOVAL 2-1/4"

(11) PROP. HMA SURFACE COURSE, MIX "D" N 70, 1-1/2"

PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N 50, 3/4"

(13) PROP. AGGREGATE WEDGE SHOULDER TYPE B

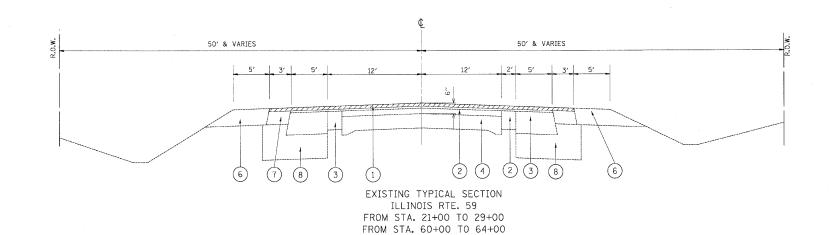
NOTE: CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

### HOT-MIX ASPHALT MIXTURE REQUIREMENT

MIXTURE TYPE	AIR VOIDS (%)
POLY. LEVELING BINDER (MACHINE METHOD), IL 4.75, N50	4% @ 50 GYR
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm)	4% @ 70 GYR
CLASS D PATCHES (HMA BINDER IL-19)	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES	4% @ 70 GYR

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SQ. YD./IN.

ETLE NAME	-	USER NAME = \$USER\$	DESIGNED -	REVISED -			ILLINOIS ROUTE 59		F.A.P	SECTION	COUNTY	TOTAL S	HEET
\$FILEL\$			DRAWN -	REVISED -	STATE OF ILLINOIS		EXISTING AND PROPOSED TYPICAL SECT	TIONE	104	W-EXT-I	LAKE	SHEETS 1	NO. 3A
		PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		EXISTING AND PROPUSED TYPICAL SECTIONS		_		CONTRAC	T NO. 60	J52
i i		PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA.	TO STA.	~	THI INOIS FED.	ATD PROJECT		



50' & VARIES 50' & VARIES

FROM STA. 68+00 TO STA. 77+00 FROM STA. 105+00 TO STA. 120+00

PROPOSED TYPICAL SECTION ILLINOIS RTE. 59 FROM STA. 21+00 TO 29+00 FROM STA. 60+00 TO 64+00 FROM STA. 68+00 TO STA. 77+00 FROM STA. 105+00 TO STA. 120+00

↑ SHEET ADDED - 03/24/2010

LEGEND

(1) EXIST. HMA SURFACE COURSE 2-1/2"

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(8) EXIST. AGGREGATE SUBGRADE

(9) EXIST. SUBBASE GRANULAR MATERIAL

(10) PROP. HMA SURFACE REMOVAL 2-1/4"
(11) PROP. HMA SURFACE COURSE, MIX "D" N 70, 1-1/2"

PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N 50, 3/4"

13) PROP. AGGREGATE WEDGE SHOULDER TYPE B

NOTE: CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

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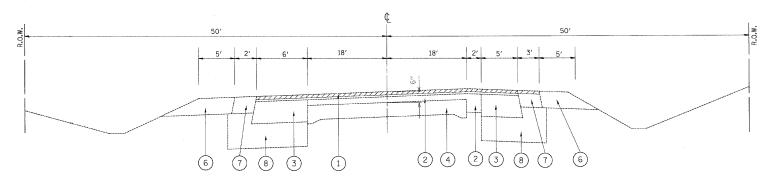
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COUNTY TOTAL SHEET NO.

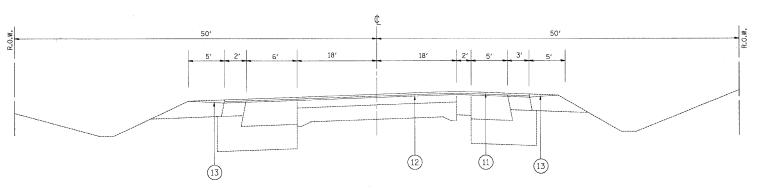
LAKE 21 3B

CONTRACT NO. 60J52 **ILLINOIS ROUTE 59** SECTION 104 W-EXT-I **EXISTING AND PROPOSED TYPICAL SECTIONS** SHEET NO. OF SHEETS STA. SCALE: TO STA.

FOR USE WITH SHEETS 4A & 4B OF 21.



EXISTING TYPICAL SECTION
ILLINOIS RTE. 59
FROM STA. 79+00 TO STA. 94+00
FROM STA. 124+00 TO STA. 154+00



PROPOSED TYPICAL SECTION
ILLINOIS RTE. 59
FROM STA. 79+00 TO STA. 94+00
FROM STA. 124+00 TO STA. 154+00

⚠ SHEET ADDED - 03/24/2010

### LEGEND

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(11) PROP. HMA SURFACE COURSE, MIX "D" N 70, 1-1/2"

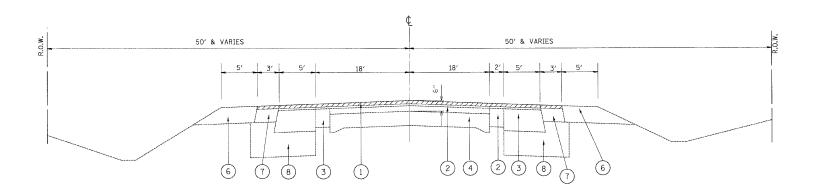
12) PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N 50, 3/4"

(13) PROP. AGGREGATE WEDGE SHOULDER TYPE B

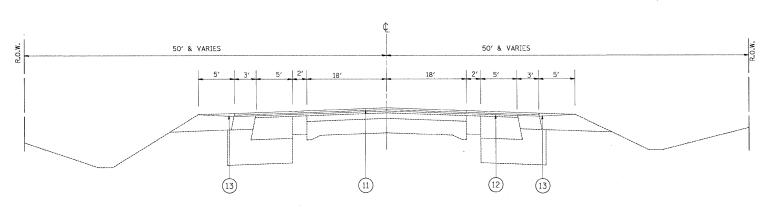
NOTE: CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

FOR USE WITH SHEETS 4A & 4B OF 21.

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED - *		ILLINOIS ROUTE 59	F.A.P SECTI	
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS	EXISTING AND PROPOSED TYPICAL SECTIONS	104 W-EXT	T-I LAKE 21 3C
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 60J52
	PLOT DATE = \$DATE\$	DATE -	REVISED ~		SCALE: SHEET NO. OF SHEETS STA. TO STA.	I'	ILLINOIS FED. AID PROJECT



EXISTING TYPICAL SECTION ILLINOIS RTE. 59 FROM STA. 172+00 TO 227+00



PROPOSED TYPICAL SECTION ILLINOIS RTE. 59 FROM STA. 172+00 TO STA. 227+00

### LEGEND

↑ SHEET ADDED - 03/24/2010

1) EXIST. HMA SURFACE COURSE 2-1/2"

(2) EXIST. HMA PAVEMENT 3-1/2"

(3) EXIST. HMA BASE COURSE WIDENING 9"

(4) EXIST. P.C. CONCRETE PAVEMENT 9"

(5) EXIST. COMB. CURB AND GUTTER, TY B-6.24

(6) EXIST. AGGREGATE SHOULDER TY B

(7) EXIST, HMA SHOULDER 8"

(8) EXIST. AGGREGATE SUBGRADE

(9) EXIST, SUBBASE GRANULAR MATERIAL

10 PROP. HMA SURFACE REMOVAL 2-1/4"

(11) PROP. HMA SURFACE COURSE, MIX "D" N 70, 1-1/2"

PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N 50, 3/4"

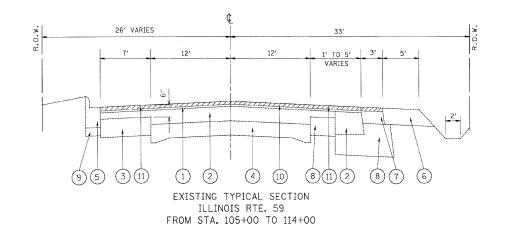
FOR USE WITH SHEETS 4A & 4B OF 21.

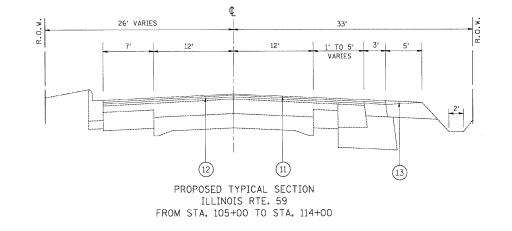
(13) PROP. AGGREGATE WEDGE SHOULDER TYPE B

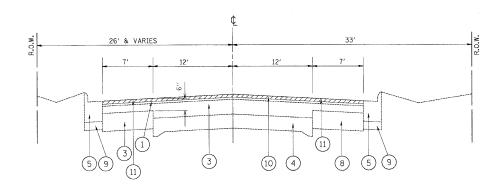
NOTE: CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

COUNTY TOTAL SHEET NO.

LAKE 21 3D REVISED DESIGNED ILE NAME = **ILLINOIS ROUTE 59** STATE OF ILLINOIS DRAWN REVISED \$FILEL\$ W-EXT~I **EXISTING AND PROPOSED TYPICAL SECTIONS** CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** PLOT SCALE = #SCALE# CONTRACT NO. 60J52 SHEET NO. OF SHEETS STA. DATE REVISED PLOT DATE = \$DATE\$ ILLINOIS FED. AID PROJECT







PROPOSED TYPICAL SECTION ILLINOIS RTE. 59 FROM STA. 101+00 TO STA. 105+00

26' & VARIES

PROPOSED TYPICAL SECTION ILLINOIS RTE. 59

FROM STA. 101+00 TO STA. 105+00

### LEGEND

1) EXIST. HMA SURFACE COURSE 2-1/2" 2 EXIST. HMA PAVEMENT 3-1/2"

3 EXIST. HMA BASE COURSE WIDENING 9" 4) EXIST. P.C. CONCRETE PAVEMENT 9"

(5) EXIST. COMB. CURB AND GUTTER, TY B-6.24

(6) EXIST. AGGREGATE SHOULDER TY B

7) EXIST. HMA SHOULDER 8"

(8) EXIST. AGGREGATE SUBGRADE

(9) EXIST. SUBBASE GRANULAR MATERIAL

(10) PROP. HMA SURFACE REMOVAL 2-1/4"

(11) PROP. HMA SURFACE COURSE, MIX "D" N 70, 1-1/2"

12) PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N 50, 3/4"

13) PROP. AGGREGATE WEDGE SHOULDER TYPE B

NOTE: CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

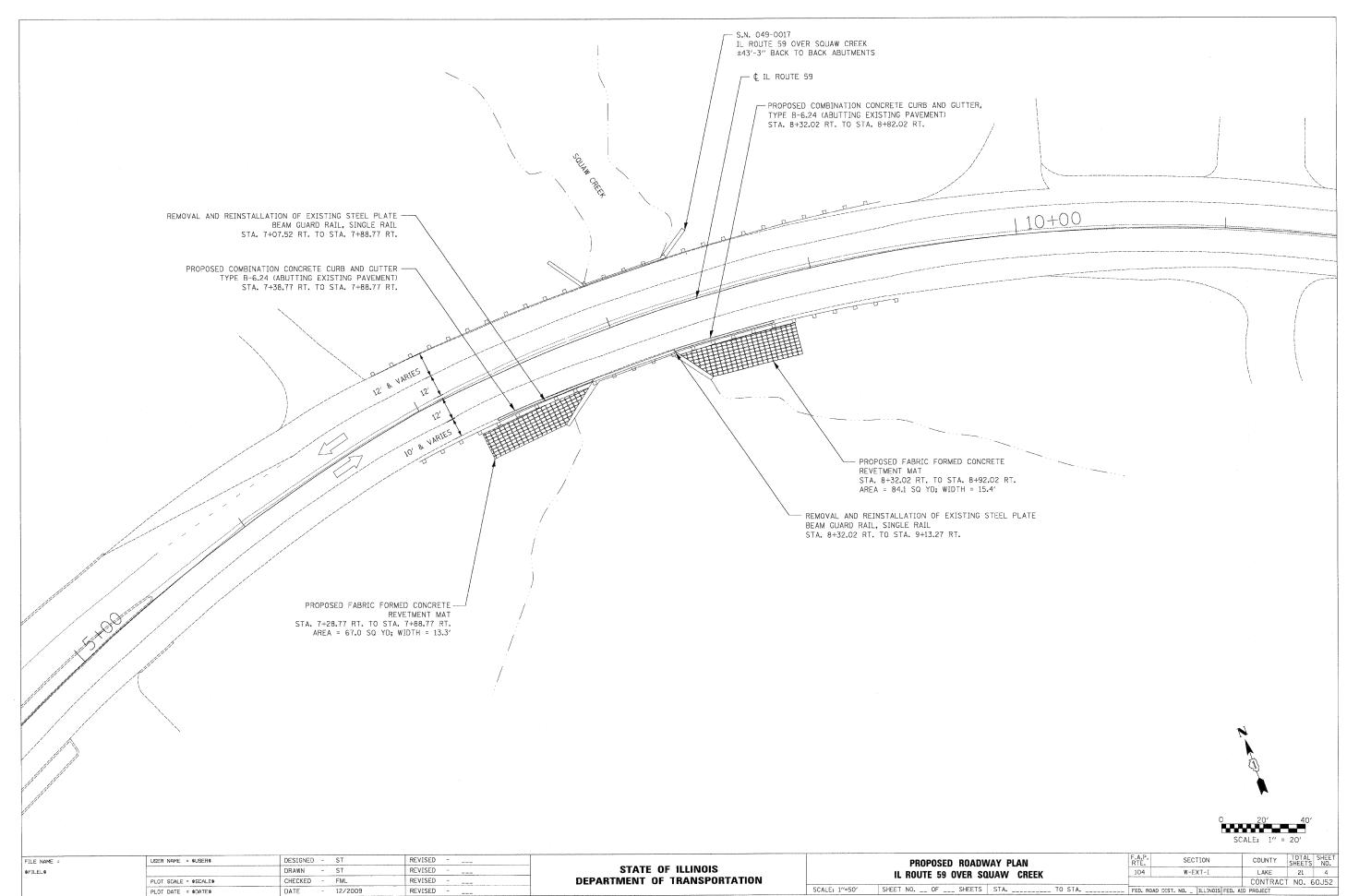
FOR USE WITH SHEETS 4A & 4B OF 21.

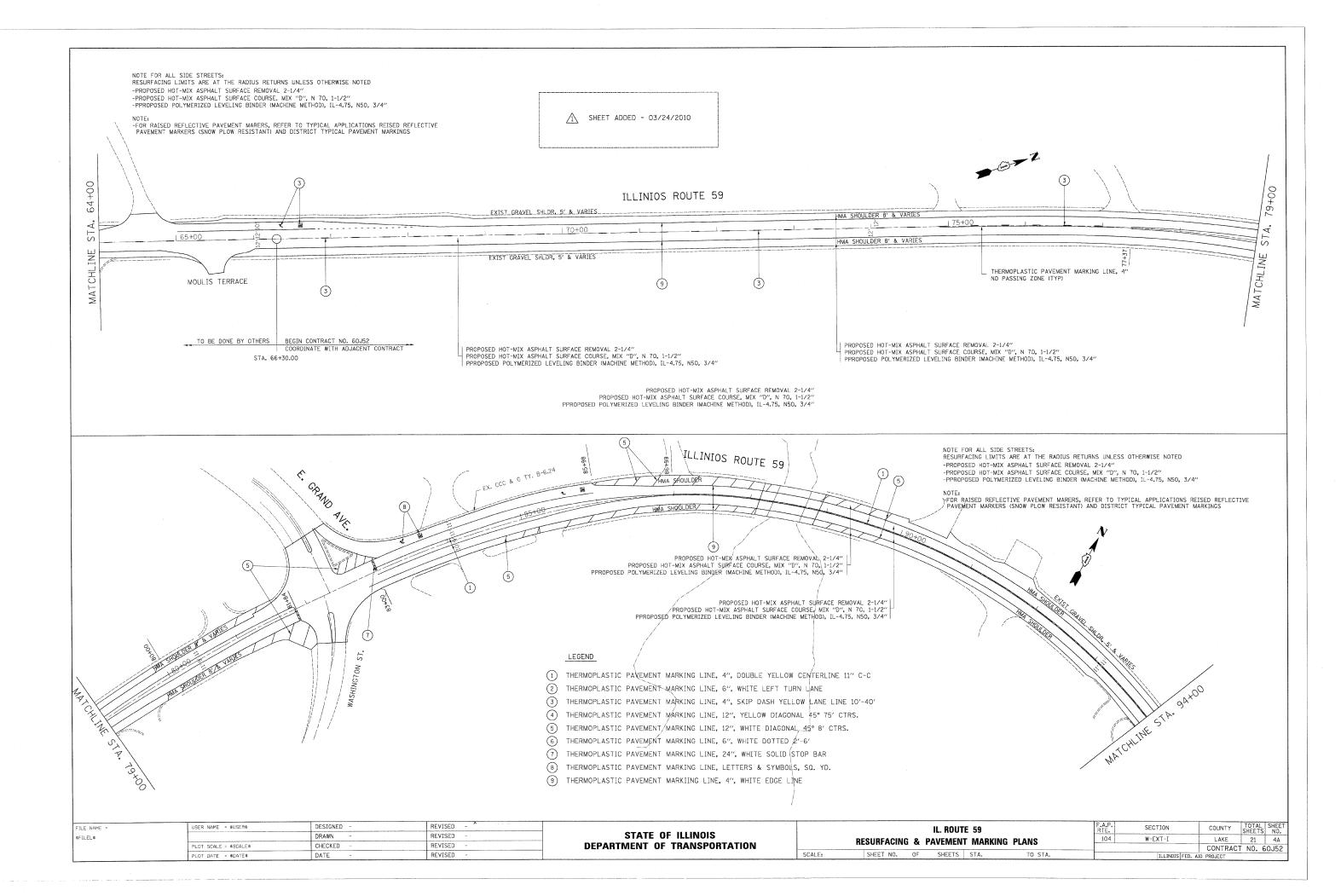
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED	
\$FILELS		DRAWN -	REVISED -	
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	
	PLOT DATE = *DATE*	DATE -	REVISED -	

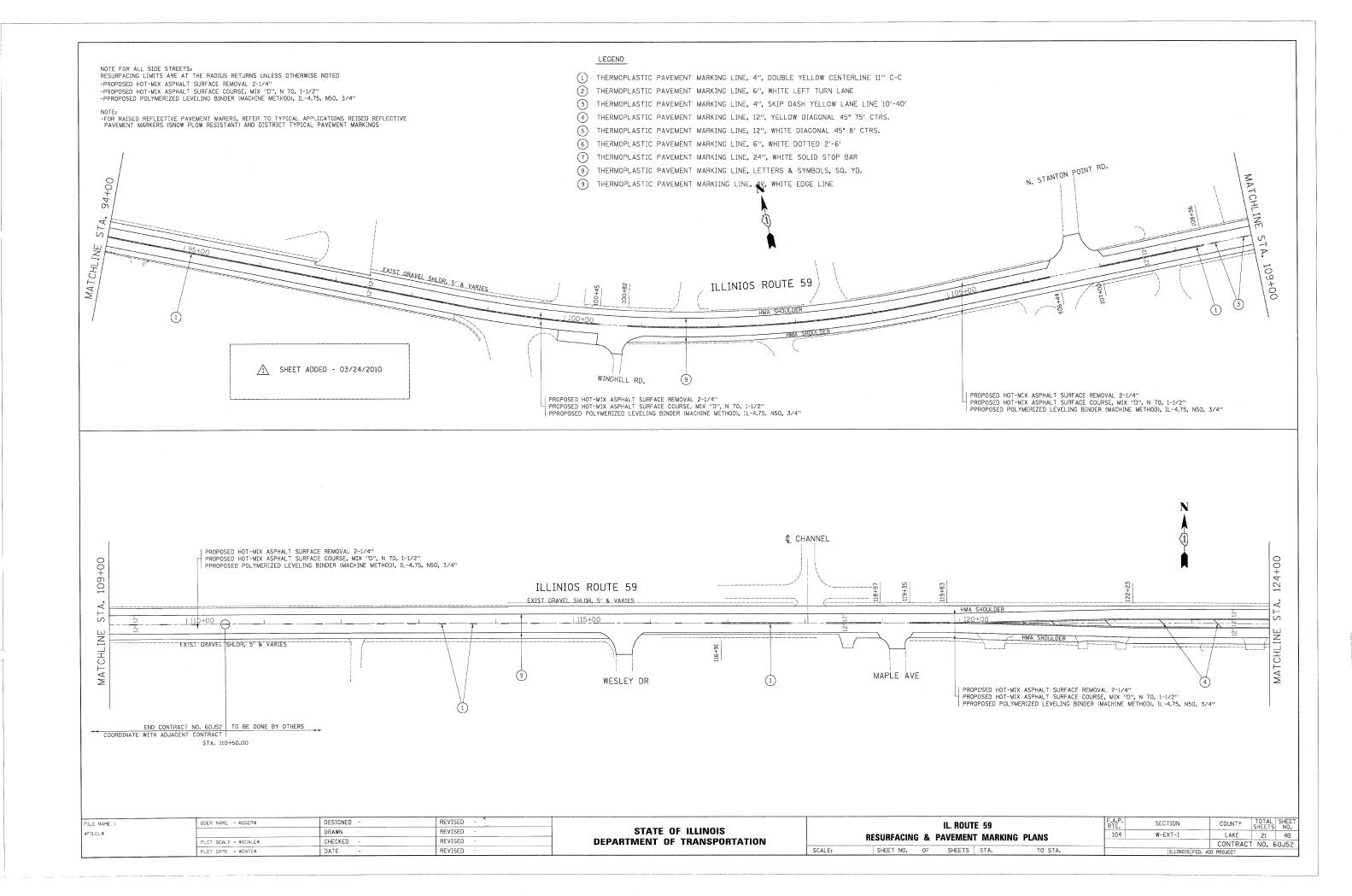
↑ SHEET ADDED - 03/24/2010

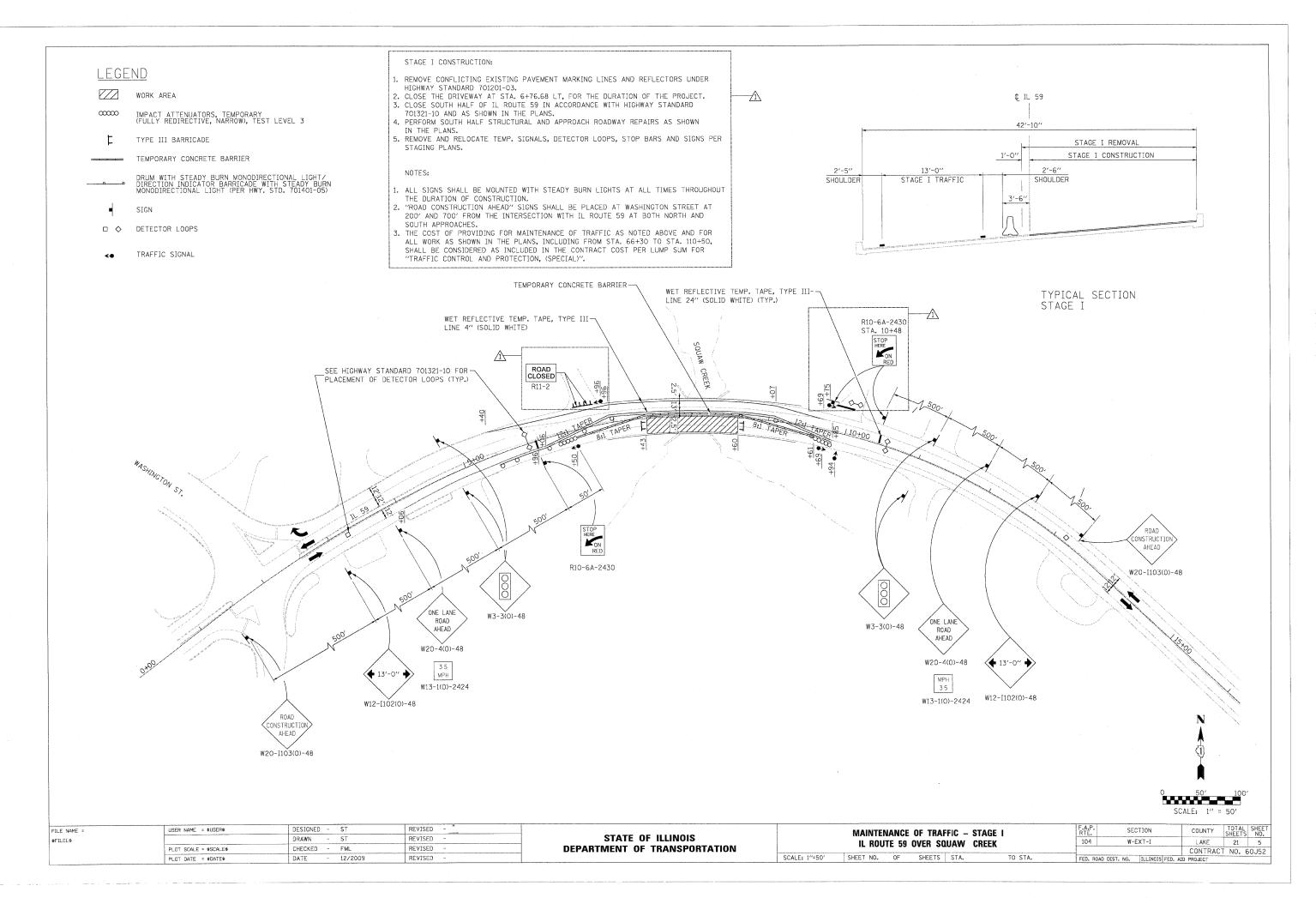
STATE O	F ILLINOIS
DEPARTMENT OF	TRANSPORTATION

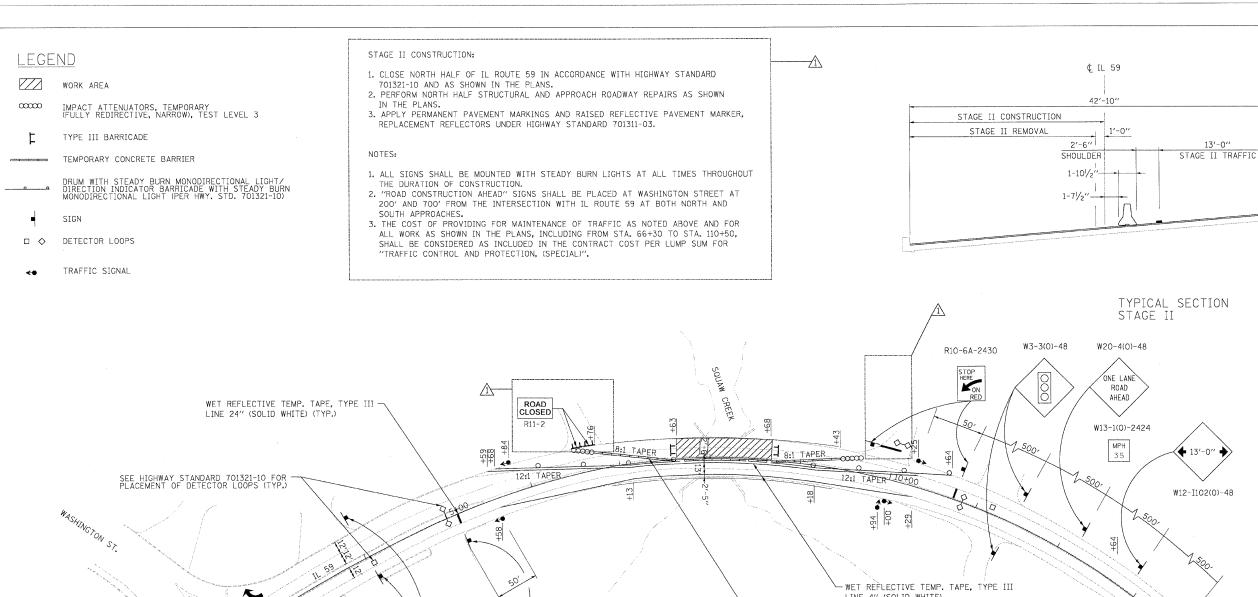
		ILLING	IS ROUT	F.A.P RTE.	SECTION	COUNTY	TOTAL	SHEET NO.			
F.	XISTING AN	D PRO	POSED	TYPICAL	SECTIONS	104	W-EXT-I	LAKE	21	3E	
						CONTRACT NO. 60J52					
SCALE:	CALE: SHEET NO. OF SHEETS STA. TO STA.						ILLINOIS FED. AID PROJECT				

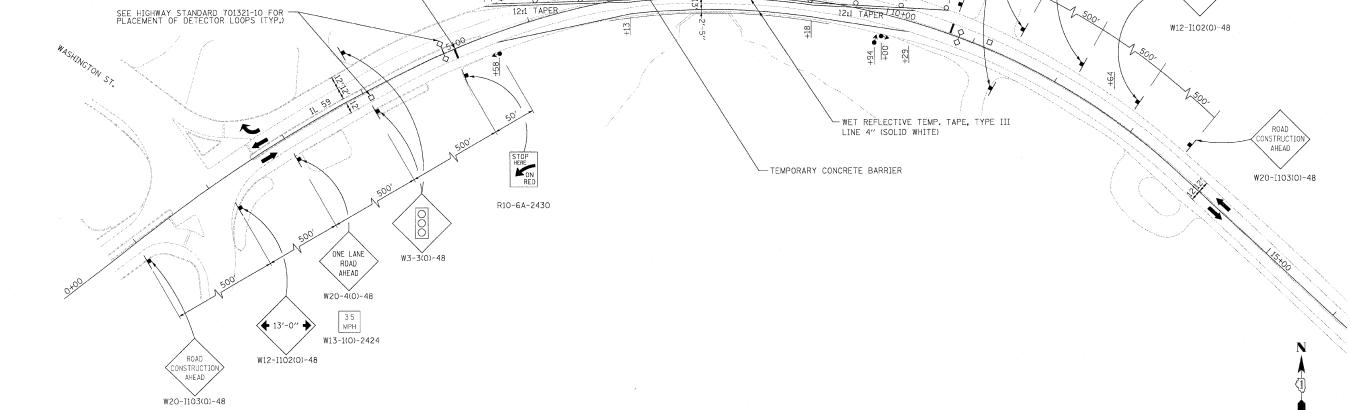












**13'-0"** 

50′ 100 SCALE: 1'

FILE NAME =	USER NAME = \$USER\$	DESIGNED - ST	REVISED - A	STATE OF ILLINOIS	MAINTENANCE OF TRAFFIC - STAGE II	F.A.P. SECTION COUNTY TOTAL SHEETS NO.
SFILELS	PLOT SCALE = \$SCALE\$	CHECKED - FML	REVISED -	DEPARTMENT OF TRANSPORTATION	IL ROUTE 59 OVER SQUAW CREEK	104 W-EXT-I LAKE 21 6 CONTRACT NO. 60J52
	PLOT DATE = \$DATE\$	DATE - 12/2009	REVISED -		SCALE: 1"=50" SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT

\$FILEL\$

PLOT SCALE = \$SCALE\$

PLOT DATE = \$DATE\$

CHECKED - FML

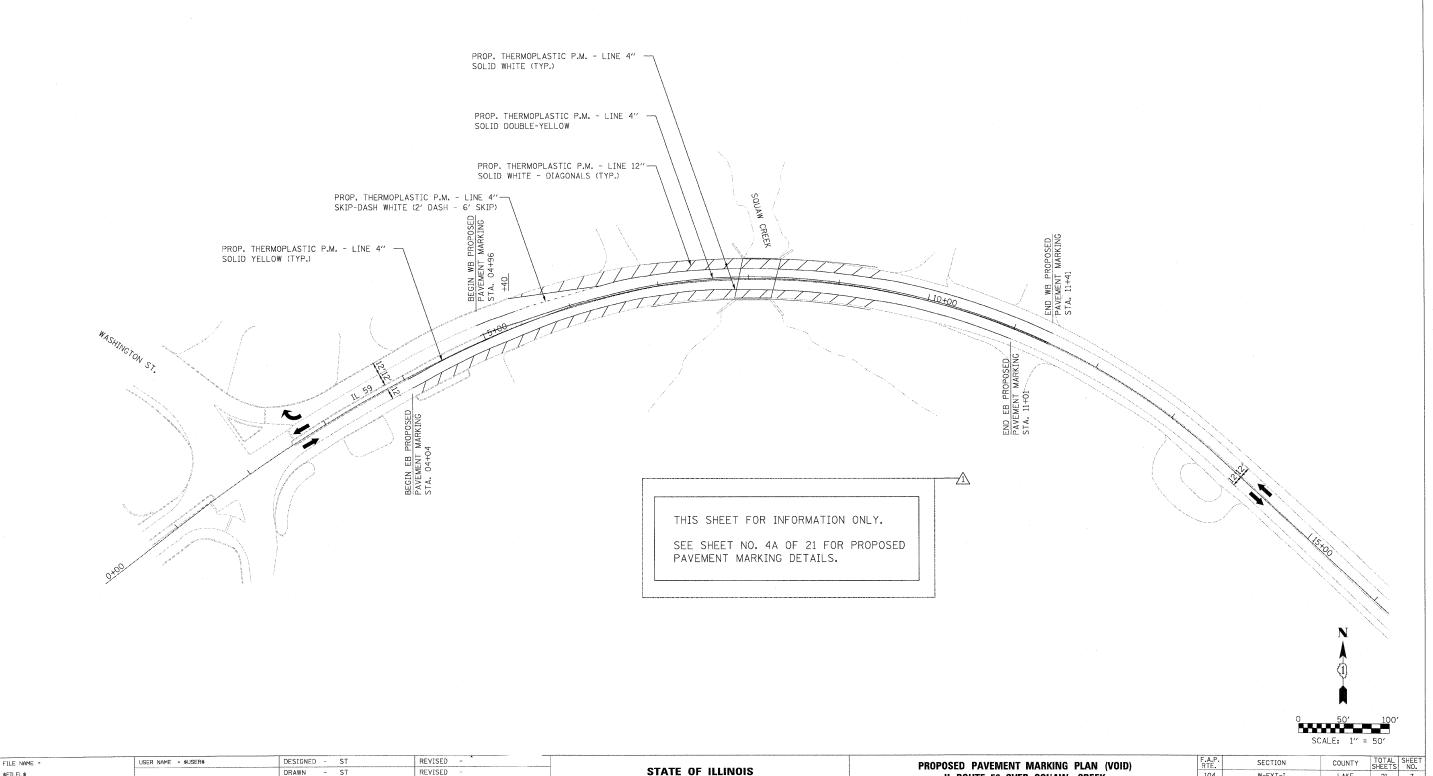
01/2010

DATE

REVISED

REVISED

- ALL PROPOSED PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" (TC-13).
- 2. IN ADDITION TO FIELD REVIEW AND AERIAL DATA, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD, SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK THE WORK.



**DEPARTMENT OF TRANSPORTATION** 

104

TO STA.

IL ROUTE 59 OVER SQUAW CREEK

SCALE: 1"=50" SHEET NO. OF SHEETS STA.

W-EXT-I

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

LAKE

LAKE 21 7 CONTRACT NO. 60J52

#### Existing Structure:

Structure No. 049-0017 was built in 1973 as F.A. 59 Section (W&106)W&RS-1. Existing structure is a single span steel superstructure with a 7½" reinforced concrete deck supported on closed abutments, 43'-3" bk. to bk. abutments, 44'-6" out to out deck with a left dhead skew of 12°30'. The existing structure has a  $1^{l_2}$ " bituminous overlay. Stage construction shall be utilized to maintain traffic during construction.

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

LOADING HS 20-44

(Original Construction)

### INDEX OF SHEETS

- 1. General Plan and Elevation
- Stage Construction Details
- Temporary Concrete Barrier for Stage Construction
- 4. Deck Repair and Joint Details
- 5. Deck Drain Details
- 6. Abutment Repair

### SCOPE OF WORK

- 1. Remove existing bituminous overlay
- 2. Hydroscarify 1/2" slab surface
- 3. Repair deck slab
- 4. Place overlay on deck and approaches
- 5. Repair abutment concrete
- 6. Floor drain modifications
  7. Apply Concrete Sealer to top and inside
- face of existing parapets
- 8. Apply Protective Coat to top of deck

### 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 existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this

### TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL	]
Bitumingus Materials (Prime Coat)	Gallon	40		40	_
Hot-Mix Asphalt Surface Course, Mix "D", N7O, 1 <sup>3</sup> 4"	Tons	20	-	20 -	1/1
Protective Coat	Sq. Yd.	201		201	
Hot-Mix Asphalt Surface Removal, 1 <sup>l</sup> 2"	Sq. Yd.	196	-	196	
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	201	-	201	
Protective Shield	Sq. Yd.	199	-	199	
Bridge Deck Grooving	Sq. Yd.	201	-	201	
Floor Drain Extension	Each	4	-	4	1 ,
Concrete Sealer	Sq. Ft.	127	-	127	1/1
Bridge Deck Hydro-Scarification '2"	Sg. Yd.	201	-	201	1
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	7.7		7.7	1/1
Bridge Deck Microsilica Concrete Overlay, 21/4"	Sq. Yd.	201	-	201	-
Plug Existing Deck Drains	Each	2	-	2	
Polymer Concrete	Cu. Ft.	4.2	-	4.2	_
Structural Repair of Concrete (Depth Equal to or less than 5 in.)	Sq. Ft.	-	49	49 !	1-//



1/27/10

Michael T. Haley Licensed Structural Engineer State of Illinois No. 81-5991 Expires 11/30/2010

Date

GENERAL PLAN AND ELEVATION IL 59 OVER SQUAW CREEK F.A.P. RTE 104 - SECTION W-EXT-I LAKE COUNTY STATION 8+10.39 STRUCTURE NO. 049-0017



SHEET NO. 1 6 SHEETS

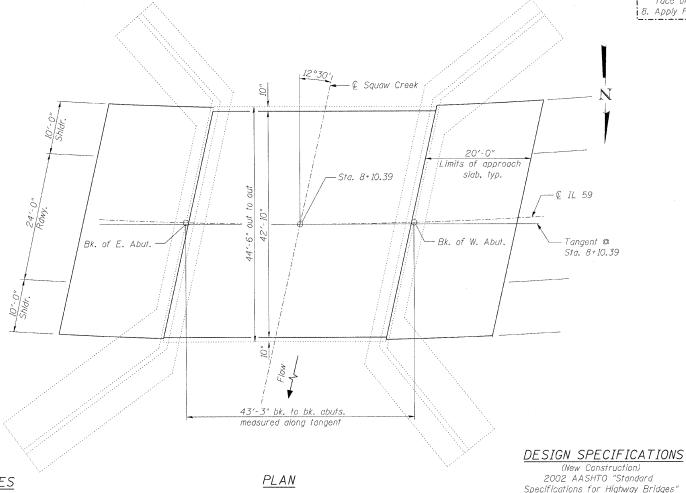
R9E - 3rd. PM

LOCATION SKETCH

1	F.A.P. RTE.		W-E		СТ	CTION			COUNTY		TOTAL SHEETS	SHEET NO.	
-	104			SECTION W-EXT-I			·I			LAK	E	21	8
										CONTR	RACT	NO. 6	50J52
	FFD. RO	NΔD	DIST	NO		T1 I	INOIS	EED.	ΔΙ	D PROJEC	т		

### ELEVATION

Existing W30x99



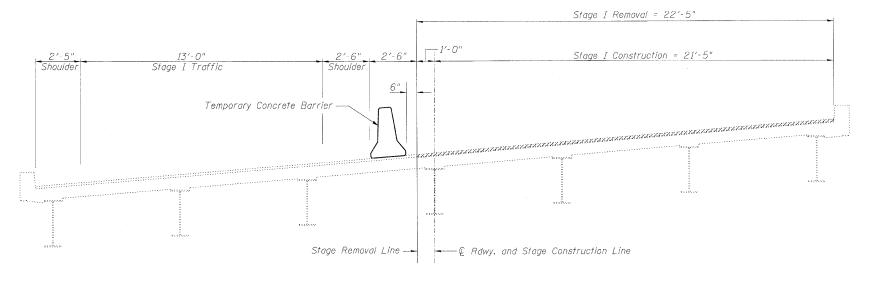
### DESIGN STRESSES FIELD UNITS

### Existing Construction

- fc = 1,200 psi (Deck)
- fc = 1,000 psi (Substructure)
- fs = 20,000 psi (Reinforcement) fs = 27,000 psi (Structural Steel)

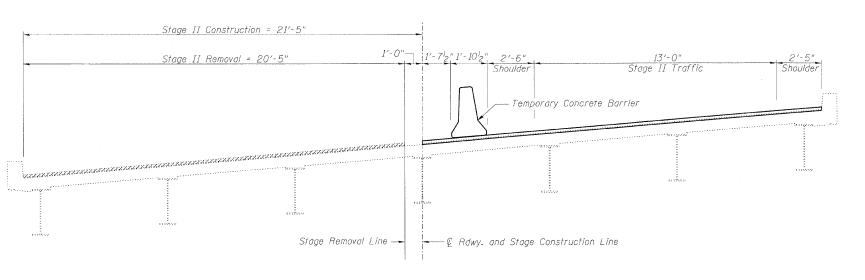
### New Construction

- f'c = 3,500 psi
- fy = 60,000 psi (Reinforcement)



### STAGE I REMOVAL & CONSTRUCTION

(Looking West)

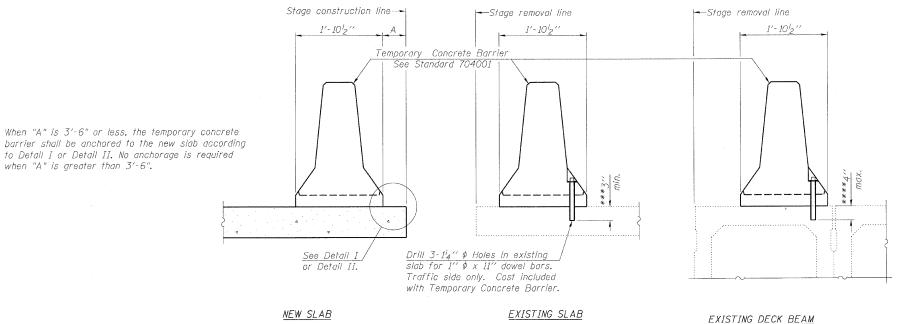


### STAGE II REMOVAL & CONSTRUCTION

(Looking West)

# STAGE CONSTRUCTION DETAILS STRUCTURE NO. 049-0017

					0, 0 .0 001	<u>·</u>	
	LIN ENGINEERING,LTD.	SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Consulting Engineers  Chatham, Illinois		104	M-EXI-I	LAKE	21	9
0.1.10		6 SHEETS			CONTRACT	NO. 6	OJ52
Designed By: Date: 1/2010			FED. RC	DAD DIST. NO   ILLINOIS FED. A	ID PROJECT		



### NOTES

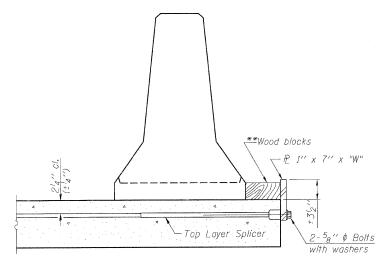
Detail I - With Bar Splicer or Couplers: Connect one (1) 1''x7''x10'' steel P to the top layer of couplers with 2-58" \$\phi\$ bolts screwed to coupler at approximate & of each barrier panel.

Detail II - With Extended Reinforcement Bars: Connect one (1) 1"x7"x 10" steel 12 to the concrete slab or concrete wearing surface with  $2^{-5}8'' \phi$ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate & of each barrier panel.

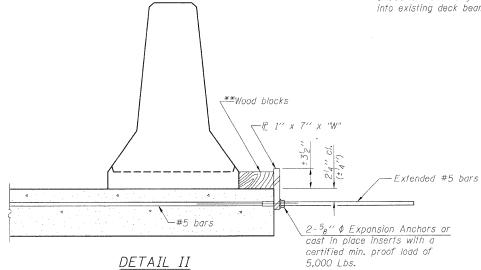
Cost of anchorage is included with Temporary Concrete Barrier. The  $1^{\prime\prime}$  x  $7^{\prime\prime}$  x  $10^{\prime\prime}$  plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready

### SECTIONS THRU SLAB OR DECK BEAM

- \*\*\* Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.
- \*\*\*\* If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.

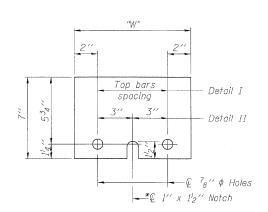


DETAIL I



\*\* Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"



### STEEL RETAINER P 1" x 7" x 10"

\* Required only with Detail II

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION STRUCTURE NO. 049-0017

COUNTY

TOTAL SHEET SHEETS NO.

10

21

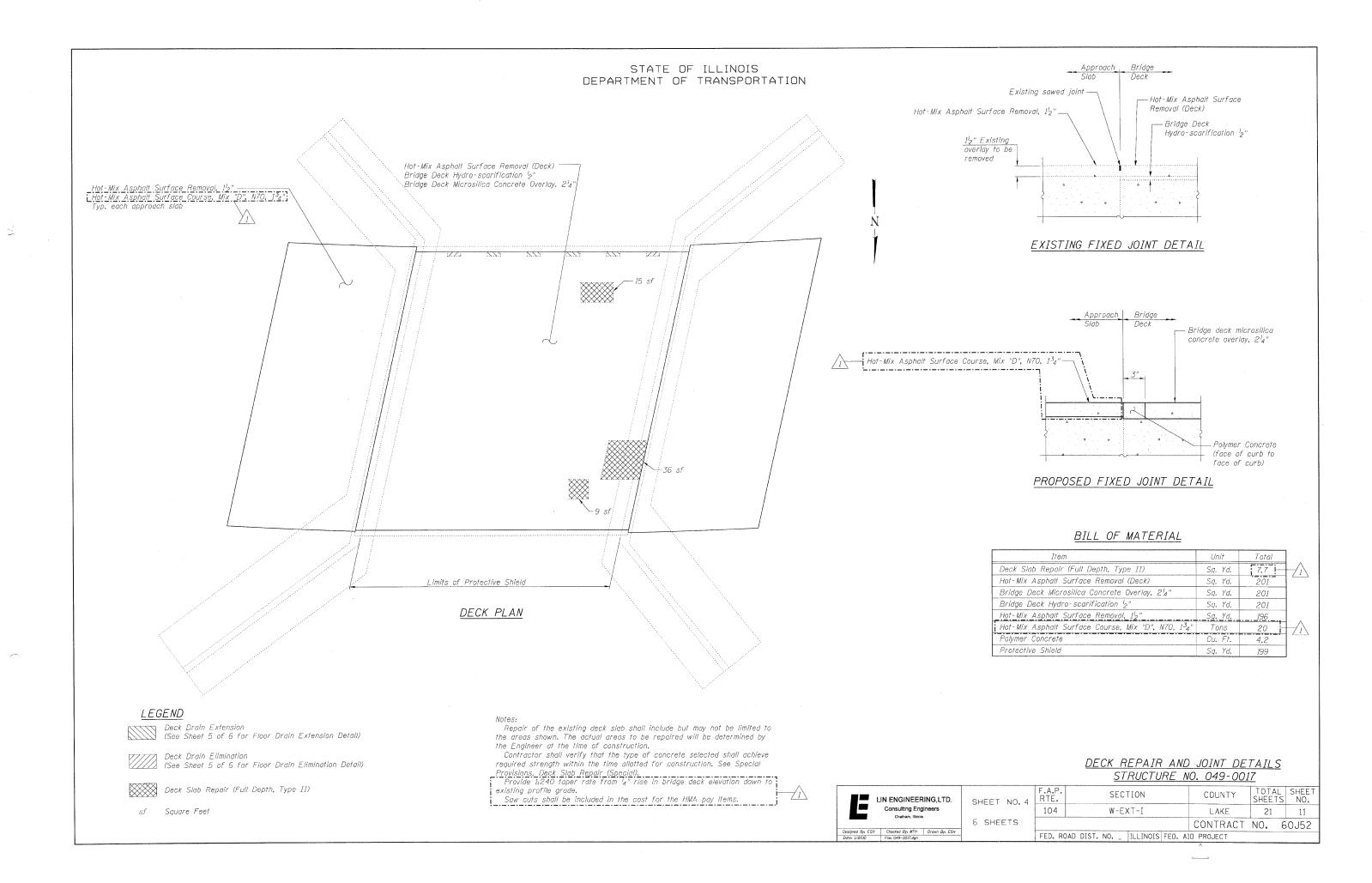
CONTRACT NO. 60J52

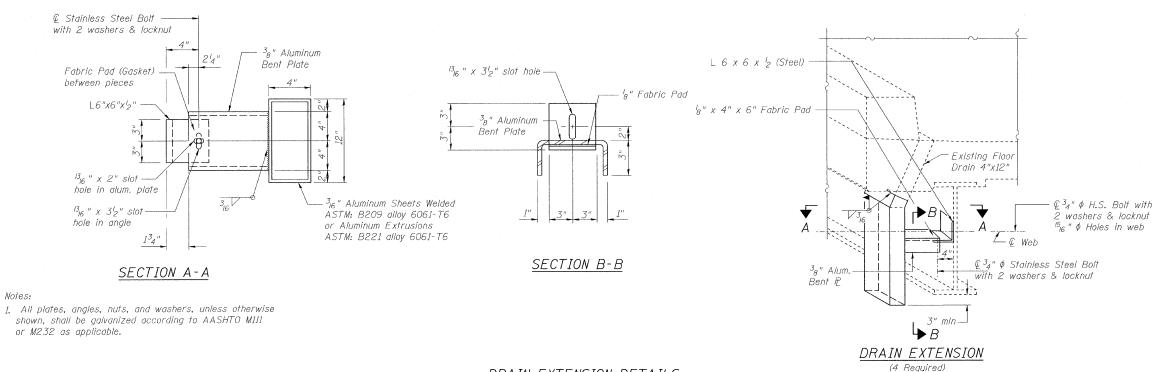


SH	HEET	NO.	
6	SHE	ETS	

NO. 3	RTE.		SEC.	ΓΙΟΝ			COUNT
.,,,,,	104		W-EX	<Τ-I			LAKE
ETS						(	CONTRA
	FED. R	OAD DIST.	NO.	ILLINOIS	FED.	AID	PROJECT

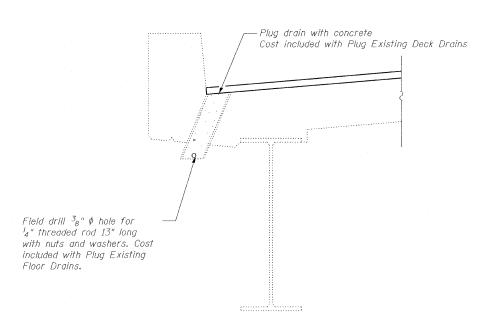
EAD

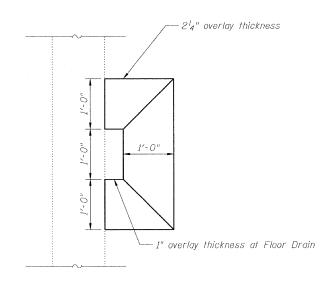




### DRAIN EXTENSION DETAILS

(4 required)





### OVERLAY AT DRAIN EXTENSION

(4 Locations)

# DECK DRAIN DETAILS

Unit

Each

Each

Total

4

BILL OF MATERIAL

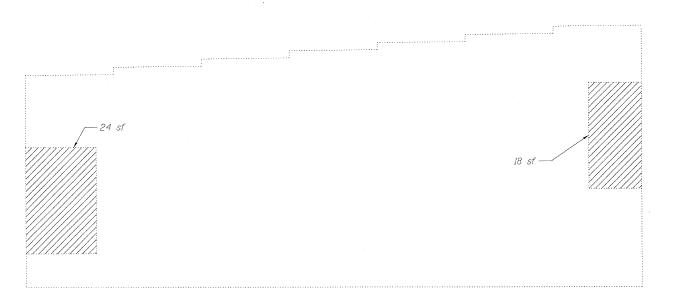
STRUCTURE NO. 049-0017 TOTAL SHEET NO. F.A.P. RTE. SECTION COUNTY E LIN ENGINEERING,LTD. SHEET NO.5 Consulting Engineers W-EXT-I 21 12 104 LAKE 6 SHEETS CONTRACT NO. 60J52 FED. ROAD DIST. NO. \_ ILLINOIS FED. AID PROJECT

Floor Drain Extension

Plug Existing Deck Drains

### DRAIN ELIMINATION DETAIL

(2 Required)



### WEST ABUTMENT

(Looking West)

### BILL OF MATERIAL

ITEM	UNIT	TOTAL	
Structural Repair of Concrete	Sa. Ft.	i ⊿g	
(Depth Equal to or Less Than 5 in.)	Jy. 11.	i	1

Repair of the existing abutments shall include but may not be limited to the areas shown. The actual areas to be repaired will be determined by the Engineer at the time of construction.

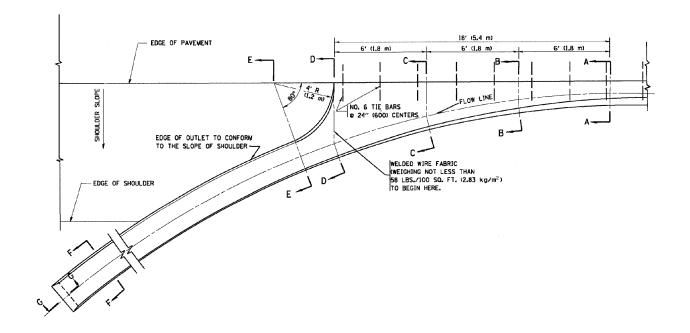
### <u>LEGEND</u>

Structural Repair of Concrete (Depth Equal To or Less Than 5 in.)

sf Square Feet

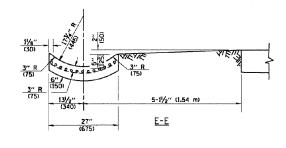
### <u>ABUTMENT REPAIR</u> <u>STRUCTURE NO. 049-0017</u>

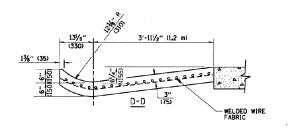
	900.0.0.2 110.0 70.0017									
LIN ENGINEERING,LTD. Consulting Engineers Chatham, Illinois	SHEET NO.6	F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.			
		104	W-EX	T-I	LAKE	21	13			
	6 SHEETS				CONTRACT	NO. 6	0J52			
Designed By: ESH Date: 1/2010	Checked By: MTH Drawn By: ESH File: 049-0017.dgn		FED. RO	DAD DIST. NO	ILLINOIS FED. AI	D PROJECT				

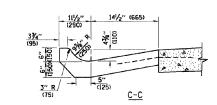


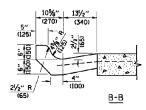


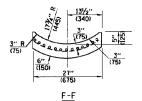
\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD GOGODI. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD GOGODG.

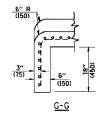












### GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE CRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

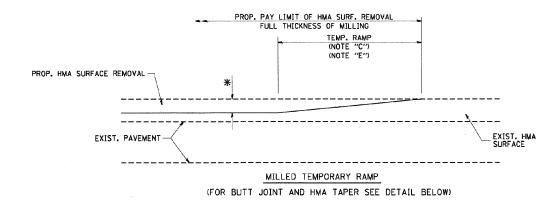
### QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL=
1.25 CU. YDS. (0.96 m<sup>3</sup>) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.
1.27 CU. YDS. (0.96 m<sup>3</sup>) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.
FOR SECTION F-F=
0.045 CU. YDS. (0.03 m<sup>3</sup>) CLASS SI CONCRETE PER ft. (m).

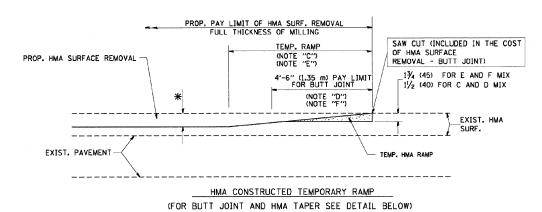
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

## **OUTLET FOR CONCRETE CURB AND GUTTER**

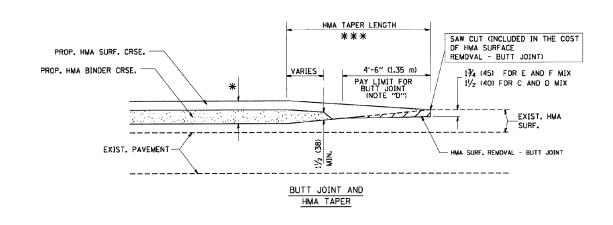
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -			DISTRICT STANDARDS		F.A.P.	SECTION	COUNTY	TOTAL SHEET
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS		IL ROUTE 59 OVER SQUAW CREEK		104	W-EXT-I	LAKE	21 14
1	PLOT SCALE = *SCALE*	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					BD-03	CONTRACT	F NO. 60J52
	PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS STA.	TO STA.	FED. ROAD DI	ST. NO. ILLINOIS FED.	AID PROJECT	



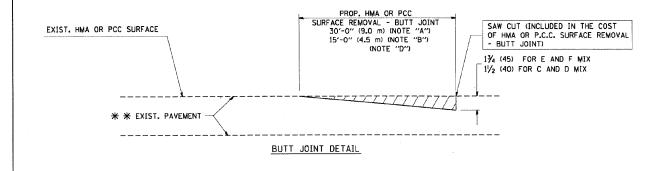
### OPTION 1

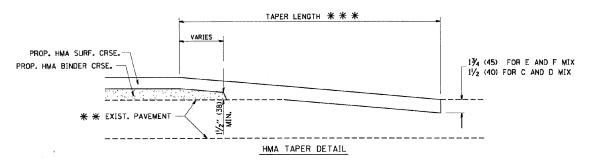


# OPTION 2 TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING





# TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

 $\divideontimes$  PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

#### NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- BE 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")

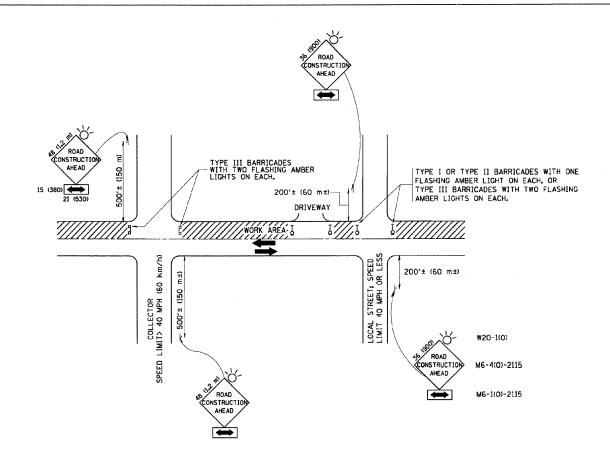
### BASIS OF PAYMENT:

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

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

### **BUTT JOINT AND HMA TAPER DETAILS**

FILE NAME =	USER NAME = \$USER\$	DESIGNED ~	REVISED -			DISTRICT STANDARDS		F.A.P. RTE.	SECTION	COUNTY	TOTAL	HEET NO.
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS		IL ROUTE 59 OVER SQUAW CREEK		104	W-EXT-I	LAKE	21	15
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					BD-32	CONTRAC	T NO. 6	J52
	PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS STA.	TO STA.	FED. ROAD DIST.	. NO. ILLINOIS FED. A	ID PROJECT		



### NOTES:

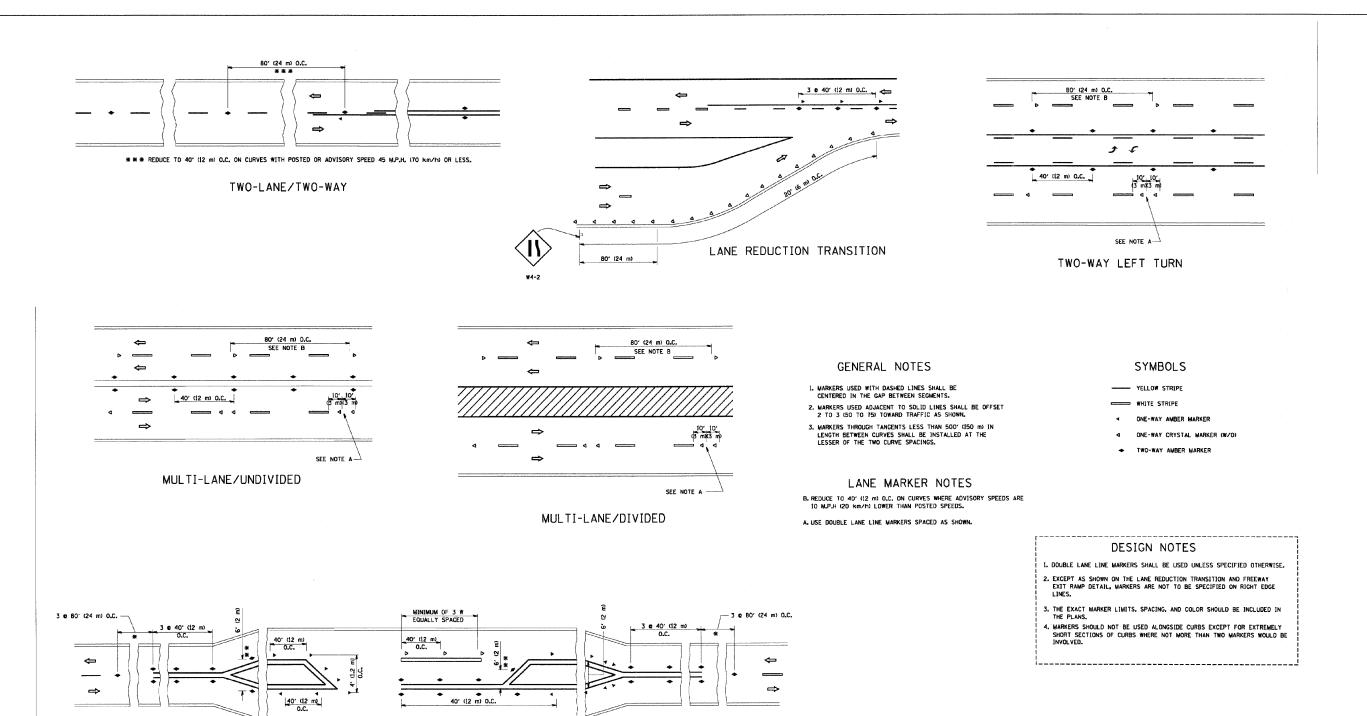
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE 1, TYPE 11 OR TYPE 111 BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE ROAD CONSTRUCTION AHEAD SIGN 48  $\times$  48 (1.2 m  $\times$  1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

- 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.

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

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

FIL	LE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -			DIS	STRICT	STANI	DARDS		F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEE	Γ
\$F	ILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS					UAW CREEK		104	W-EXT-I	LAKE	21	16	
		PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		12 110012						TC-10	CONTRA	ACT NO.	60J57	.7
		PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEET	S   STA.	TO STA.	FED. RO	DAD DIST. NO.   ILLINOIS FED.	AID PROJECT	~~~		7



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

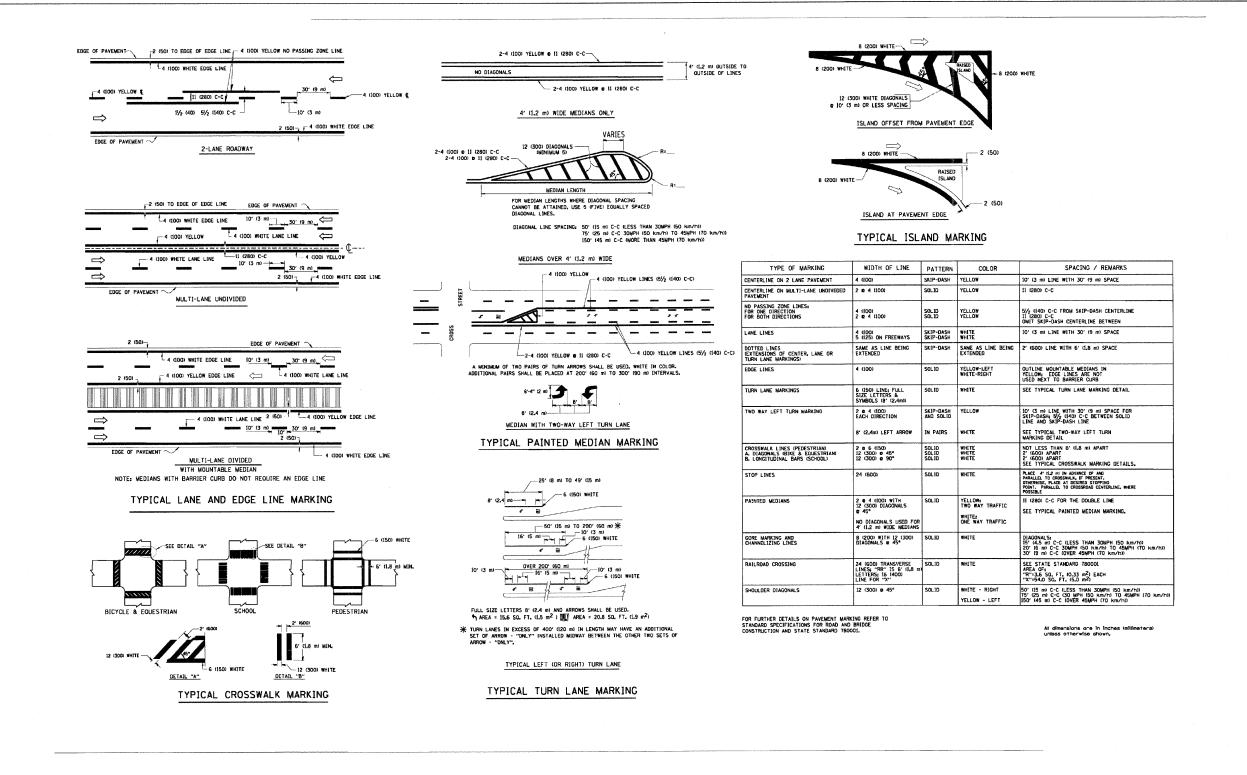
# TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

\*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS
USE TWO-WAY MARKERS.

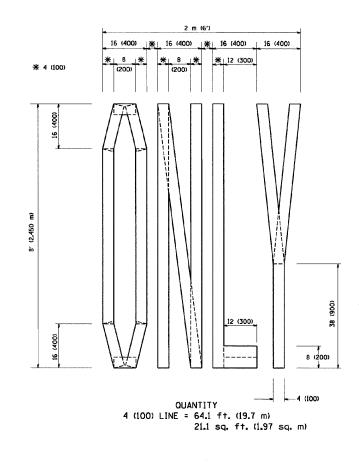
LEFT TURN

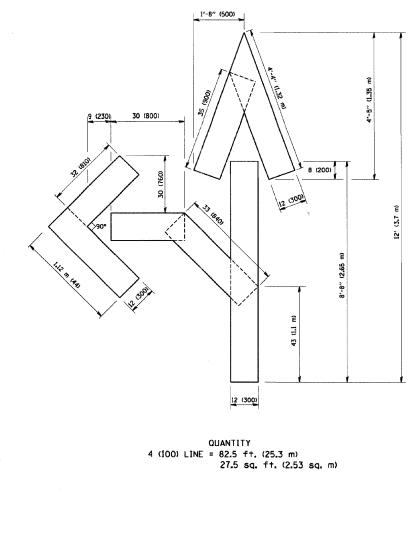
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -		DISTRICT STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS	IL ROUTE 59 OVER SQUAW CREEK	104	W-EXT-I	LAKE	21 17
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		TC	C-11	CONTRACT	NO. 60J52
1	PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE: NONE   SHEET NO. OF SHEETS   STA. TO STA.	FED. ROAD DIST, NO	O. ILLINOIS FED. AIR	PROJECT	

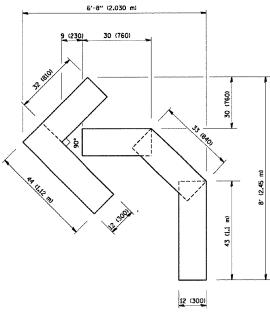


### TYPICAL PAVEMENT MARKINGS

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -			DISTRICT STANDARDS		F.A.P. SECTION	COUNTY TOTAL SHEET SHEETS NO.
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS		IL ROUTE 59 OVER SQUAW CREEK		104 W-EXT-I	LAKE 21 18
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED ~	DEPARTMENT OF TRANSPORTATION				TC-13	CONTRACT NO. 60J52
	PLOT DATE = *DATE*	DATE -	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS STA.	TO STA.	FED. ROAD DIST. NO.   ILLINOIS   FED	AID PROJECT





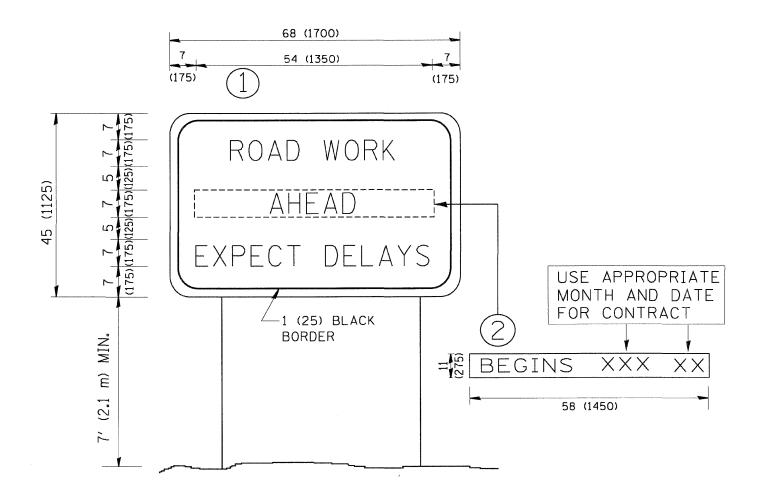


All dimensions are in inches (millimeters) unless otherwise shown.

# PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

OUANTITY 4 (100) LINE = 45.5 ft. (13.9 m) 15.2 sq. ft. (1.39 sq. m)

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -		DISTRICT STANDARDS	F.A	A.P. SECTION	COUNTY TOTAL SHEET
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS	IL ROUTE 59 OVER SQUAW CREEK	10	D4 W-EXT-I	LAKE 21 19
	PLOT SCALE = \$SCALE\$  PLOT DATE = \$DATE\$	DATE -	REVISED -	DEPARTMENT OF TRANSPORTATION	SCALE: NONE SHEET NO. OF SHEETS STA.	TO STA. FED	TC-16	CONTRACT NO. 60J52

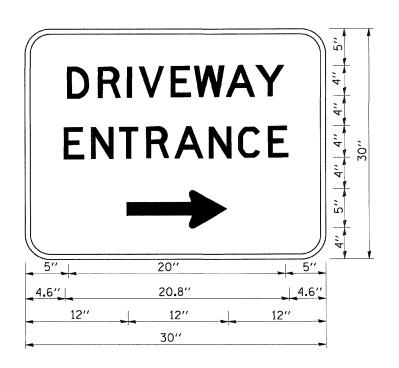


### NOTES:

- 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.

## ARTERIAL ROAD INFORMATION SIGN

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -		DISTRICT STANDARDS	F.A.P. SEC	CTION COUNTY TOTAL SHEET
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS	IL ROUTE 59 OVER SQUAW CREEK	104 W-E	EXT-I LAKE 21 20
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		TC-22	2 CONTRACT NO. 60J52
	PLOT DATE = \$DATE\$	DATÉ -	REVISED ~		SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



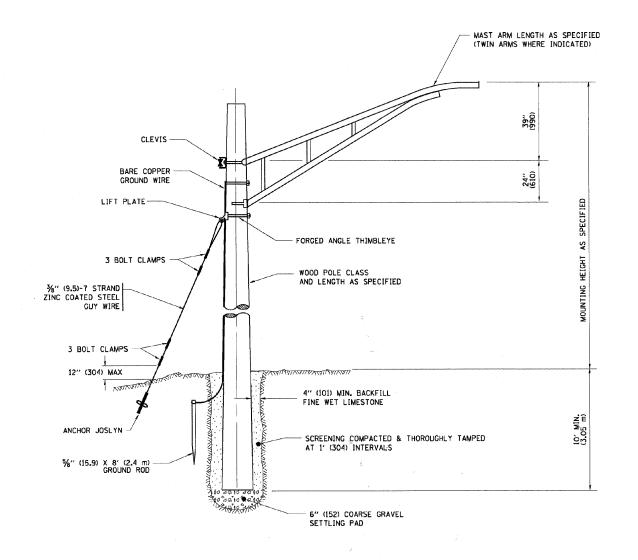
3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

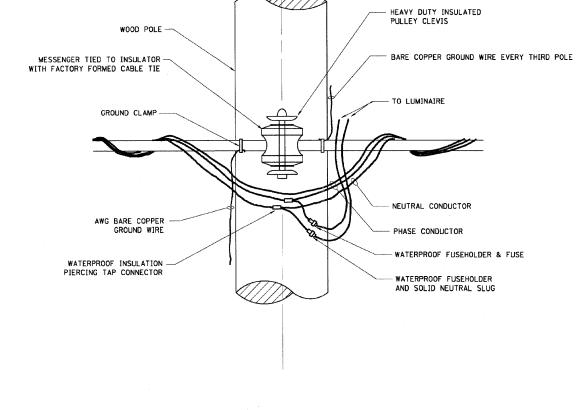
### NOTES:

- 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".

## **DRIVEWAY ENTRANCE SIGNING**

-	FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	OTATE OF MUNICIPALITY		DISTRICT STANDA	ARDS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SI	HEET NO.
:	FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS		IL ROUTE 59 OVER SQUA	AW CREEK		104	W-EXT-I	LAKE	21	21
		PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		in income and other other	7111 VIIII			TC-26	CONTRACT	NO. 60	J52
1		PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS	S   STA.	TO STA.	FED. ROAD D	IST. NO. ILLINOIS FED. A	D PROJECT		





TEMPORARY LIGHT POLE ATTACHMENT DETAIL

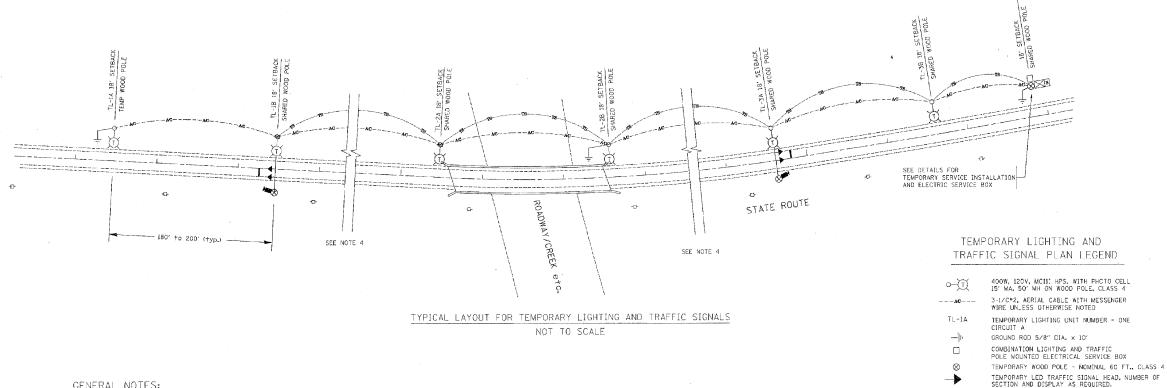
### TEMPORARY LIGHT POLE DETAIL

#### NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED

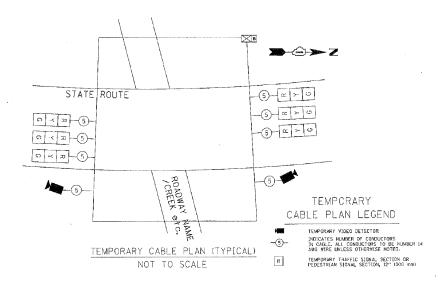
## **TEMPORARY LIGHT POLE DETAILS**

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED - , ^			DISTRICT STANDARDS		F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
\$FILEL\$	DIOT CONE - eSCALE	DRAWN -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		IL ROUTE 59 OVER SQUAW CREEK		104	W-EXT-I	LAKE	21	21A
	PLOT DATE = \$DATE\$	DATE -	REVISED -	DEFAITMENT OF TRANSFORTATION	SCALE: NONE	SHEET NO. OF SHEETS STA.	TO STA.	FED. ROAD DIST	. NO.   ILLINOIS FED.	CONTRAC  AID PROJECT	T NO. 6	JJ52



### GENERAL NOTES:

- CONTACT TO THE ELECTRIC UTILITY SHALL BE INITIATED BEFORE THE PRECONSTRUCTION MEETING, AND DOCUMENTATION OF CONTACT SHALL BE PRESENTED AT THAT MEETING. NO PLACEMENT OF POLES WILL BE ALLOWED WITHOUT EVIDENSE OF A SIGNED AGREEMENT WITH THE ELECTRIC UTILITY, FURNISHED TO THE ENGINEER.
- UNLESS OTHERWISE INDICATED, AND EXCEPT AS OTHERWISE NOTED, THIS STANDARDIZED LAYOUT SHALL APPLY FOR BRIDGES NOT EXCEEDING A 250-FOOT SPAN. FOR BRIDGE SPANS IN EXCESS OF 250 FEET. THE POLES IMMEDIATELY ADJACENT TO THE BRIDGE SHALL BE 100-FOOT POLES (90-FOOT MOUNTING HEIGHT), WITH 750-WATT TYPE III HIGH PRESSURE SODIUM HIGH-MAST LUMINAIRES AS APPROVED BY THE ENGINEER.
- 3. THE LAYOUT OF THE TEMPORARY ECUIPMENT WILL VARY BASED ON FIELD CONDITIONS.
  STAGING, UTILITY IMPACTS, AND THE ELECTRIC SERVICE LOCATION AS COORDINATED WITH
  THE ELECTRIC UTILITY. THE CONTRACTOR SHALL SUBMIT A PLAN INDICATING THE SETTING OF
  POLES, TRAFFIC SIGNALS, AND COMBINED SERVICE, THIS PLAN MUST BE APPROVED BY THE
  ENGINEER BEFORE ANY POLES ARE PLACED
- THE ELECTRIC SERVICE SHALL BE 240/120V. WHERE 240V SERVICE IS NOT AVAILABLE, THE CONTRACTOR MAY SUBMIT A PROPOSAL FOR 120V SERVICE. DROP CABLE, MAIN BREAKER, AND ALL OTHER SERVICE APPLIETENANCES SHALL BE APPROPRIATELY RATED AND INCLUDED RECARDLESS OF THE SERVICE VOLTAGE APPLIED
- 5. THE TEMPORARY LIGHTING AND TRAFFIC SIGNAL INSTALLATION SHALL SHARE ANY COMMON ELEMENTS SUCH AS WOOD POLES, ELECTRICAL SERVICE, ELECTRIC SERVICE BOX, CABLE, ETC. THE CONTRACTOR SHALL COORDINATE TEMPORARY LIGHTING AND TRAFFIC SIGNAL
- 6. THE LIGHT POLE SETBACK FROM THE EDGE OF TRAVEL PAVEMENT SHALL BE 18 FT. UNLESS THE LIGHT POLE IS BEHIND CUARDRAIL. THE LIGHT POLES INSTALLED BEHIND THE GUARDRAIL OR BARRIER WALL SHOULD HAVE AT LEAST 8 FT. SETBACK FROM THE BACK OF THE SHOULDER AND
- 7. EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTO CELL MOUNTED ON EACH LUMINAIRE WITH THE LIGHTING CIRCUIT FED FROM THE TEMPORARY SERVICE DISCONNECT BOX. OTHER MEANS OF LUMINAIRE CONTROL CAN BE CONSIDERED IF APPROVED BY THE ENGINEER.
- B. THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALENT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.
- ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ENGINEER.



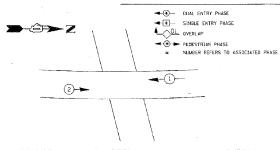
### TEMPORARY PHASE DESIGNATION DIAGRAM LEGEND

TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED.

PLATE MOUNTED TO WOOD POLE

TEMPORARY VIDEO DETECTOR

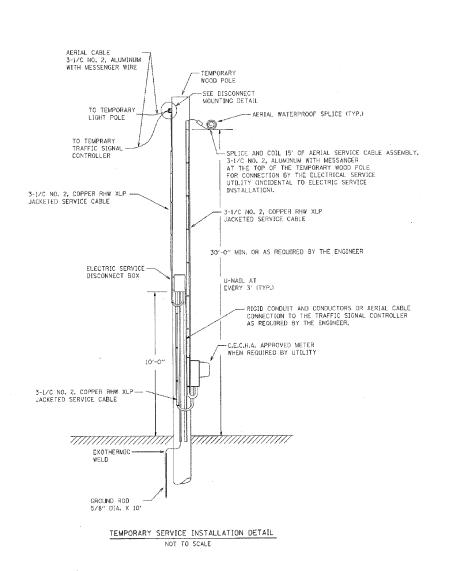
TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM

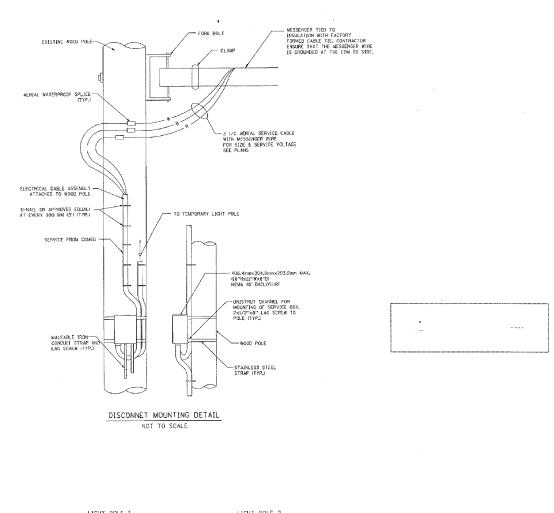


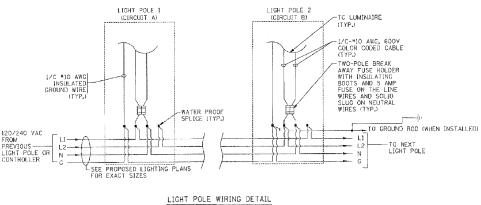
TEMPORARY PHASE DESIGNATION DIAGRAM (TYPICAL) NOT TO SCALE

# TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING (SHEET I)

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED - ^			DISTRICT STA	NDARDS		F.A.P.	SECTION	COUNTY	TOTAL	SHEET
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS		IL ROUTE 59 OVER		FK	104	W-EXT-I	LAKE	21	21B
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		IE HOUSE OF OVER	OGOATT OIL	-11			CONTRA	CT NO. 6	60J52
	PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE: NONE	SHEET NO. OF SHEE	TS STA.	TO STA.	FED. ROAD I	DIST. NO. ILLINOIS FED.	AID PROJECT		

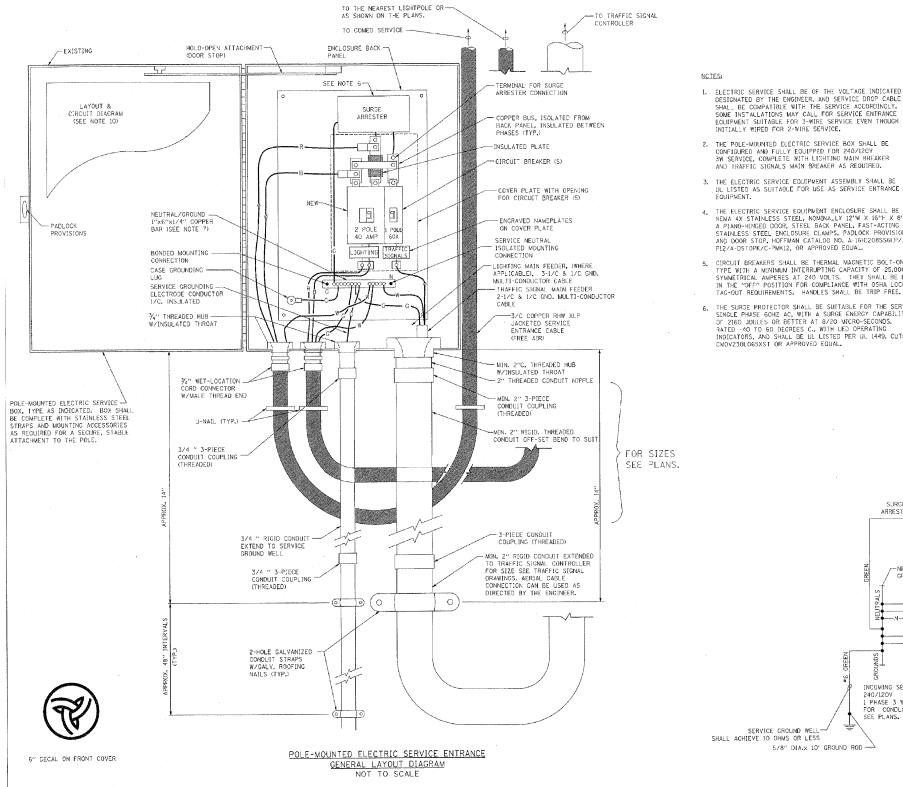






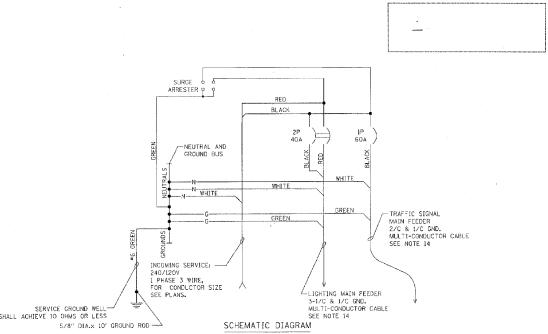
# TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING (SHEET II)

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -			DISTRI	CT STANDARDS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEF
\$FILEL\$		DRAWN -	REVISED -	STATE OF ILLINOIS			OVER SQUAW CREEK		104	W-EXT-I	LAKE	21 21
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		IL HUUTL JJ	OVER SHOAW CHEEK				CONTRAC	CT NO. 60J5
	PLOT DATE = \$DATE\$	DATE -	REVISED -		SCALE: NONE	SHEET NO. OF	SHEETS STA.	TO STA.	FED. ROAD DI	ST. NO. ILLIN	NOIS FED. AID PROJECT	



- 1. ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL, BE COMPATIALE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WHRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WHRE SERVICE EVEN THOUGH
- 2. THE POLE-MOUNTED ELECTRIC SERVICE BOX SHALL BE CONFIGURED AND FULLY EQUIPPED FOR 240/120V 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER
- 4. THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12"W X 16"H X 8"D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A 16H1208SS6LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
- 5. CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE "WITH OSHA LOCK-OUT/ TAG-OUT REQUIREMENTS, HANDLES SHALL BE TRIP FREE.
- 6. THE SURGE PROTECTOR SHALL BE SUITABLE FOR THE SERVICE VOLTACE SINGLE PHASE GOHZ AC, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MIGRO-SECONDS. PATED -40 TO GO DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOV230L065XST OR APPROVED EQUAL.

- 7. BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRIZA OR APPROVED
- 8. THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROIMNING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
- THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
- 10. A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
- 11. A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
- 12. LUGS AND CONNECTORS SHALL BE RATED FOR 75 C CONDUCTOR.
- 13. THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.



# TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING (SHEET III)

İ	FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED		DISTRICT STANDARDS	F.A.P. SECTION	COUNTY TOTAL SHEET
	\$FILEL\$		DRAWN ~	REVISED -	STATE OF ILLINOIS	IL ROUTE 59 OVER SQUAW CREEK	104 W-EXT-I	LAKE 21 21D
		PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 60J52
		PLOT DATE = *DATE*	DATE -	REVISED -		SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID	D PROJECT