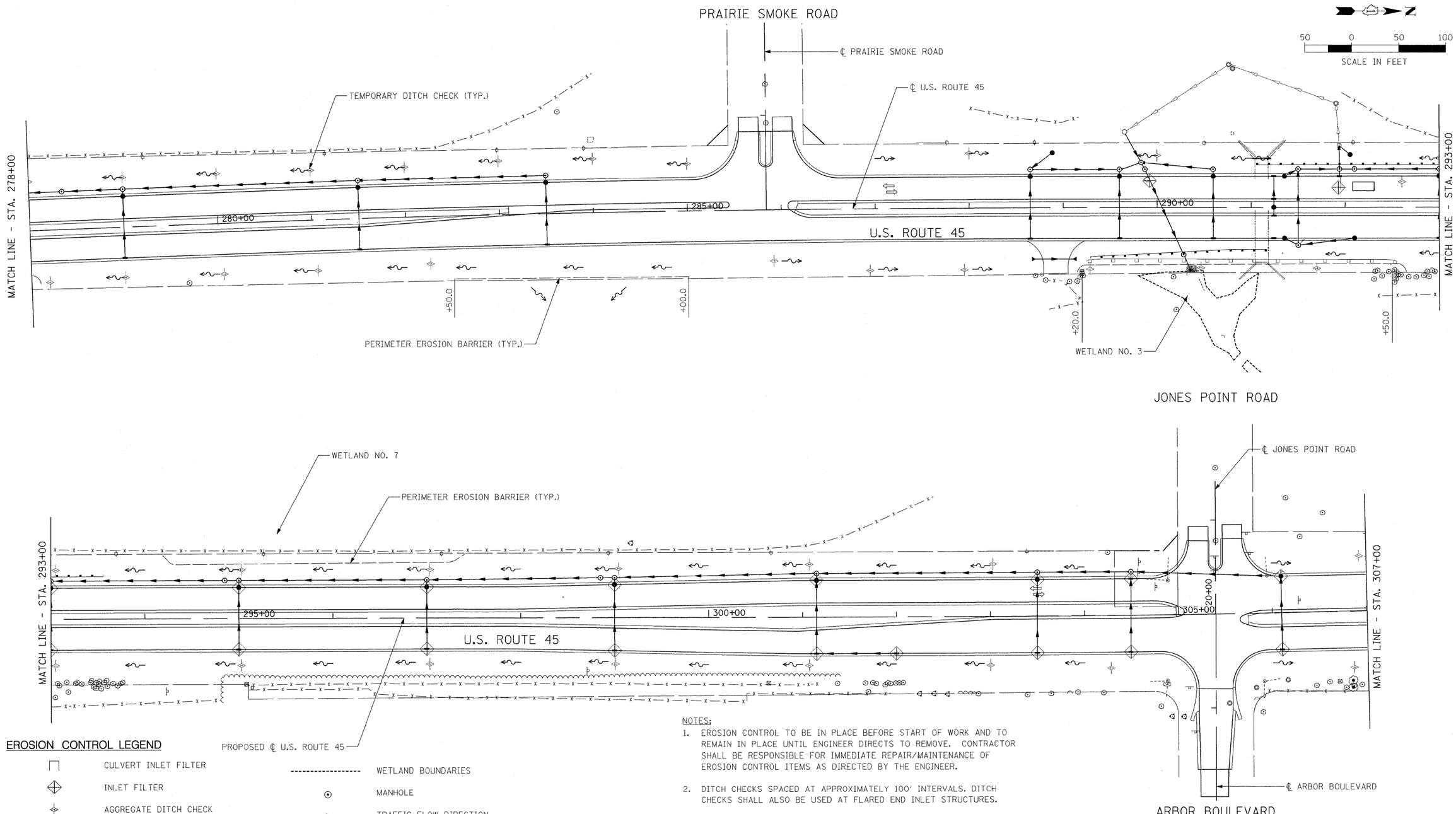


EROSION CONTROL LEGEND

- CULVERT INLET FILTER
- INLET FILTER
- AGGREGATE DITCH CHECK
- PERIMETER EROSION BARRIER
- EXISTING STORM SEWER
- STORM SEWER OUTLET
- EXISTING ROADS
- WETLAND BOUNDARIES
- MANHOLE
- TRAFFIC FLOW DIRECTION
- DIRECTION OF SURFACE WATER FLOW
- AREA OF SOIL DISTURBANCE DURING STAGE 1 CONSTRUCTION
- TEMPORARY PAVEMENT/LANES

NOTES:

1. EROSION CONTROL TO BE IN PLACE BEFORE START OF WORK AND TO REMAIN IN PLACE UNTIL ENGINEER DIRECTS TO REMOVE. CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIR/MAINTENANCE OF EROSION CONTROL ITEMS AS DIRECTED BY THE ENGINEER.
2. DITCH CHECKS SPACED AT APPROXIMATELY 100' INTERVALS. DITCH CHECKS SHALL ALSO BE USED AT FLARED END INLET STRUCTURES.
3. INITIALLY TRAFFIC FLOW IN BOTH DIRECTIONS WILL BE LOCATED ON THE SOUTHBOUND LANES DURING CONSTRUCTION OF NORTHBOUND LANES.
4. AFTER CONSTRUCTION OF NORTHBOUND LANES ARE COMPLETED TRAFFIC FLOW WILL BE DIVERTED TO NORTHBOUND AND SOUTHBOUND LANES DURING FINAL STAGES OF CONSTRUCTION.

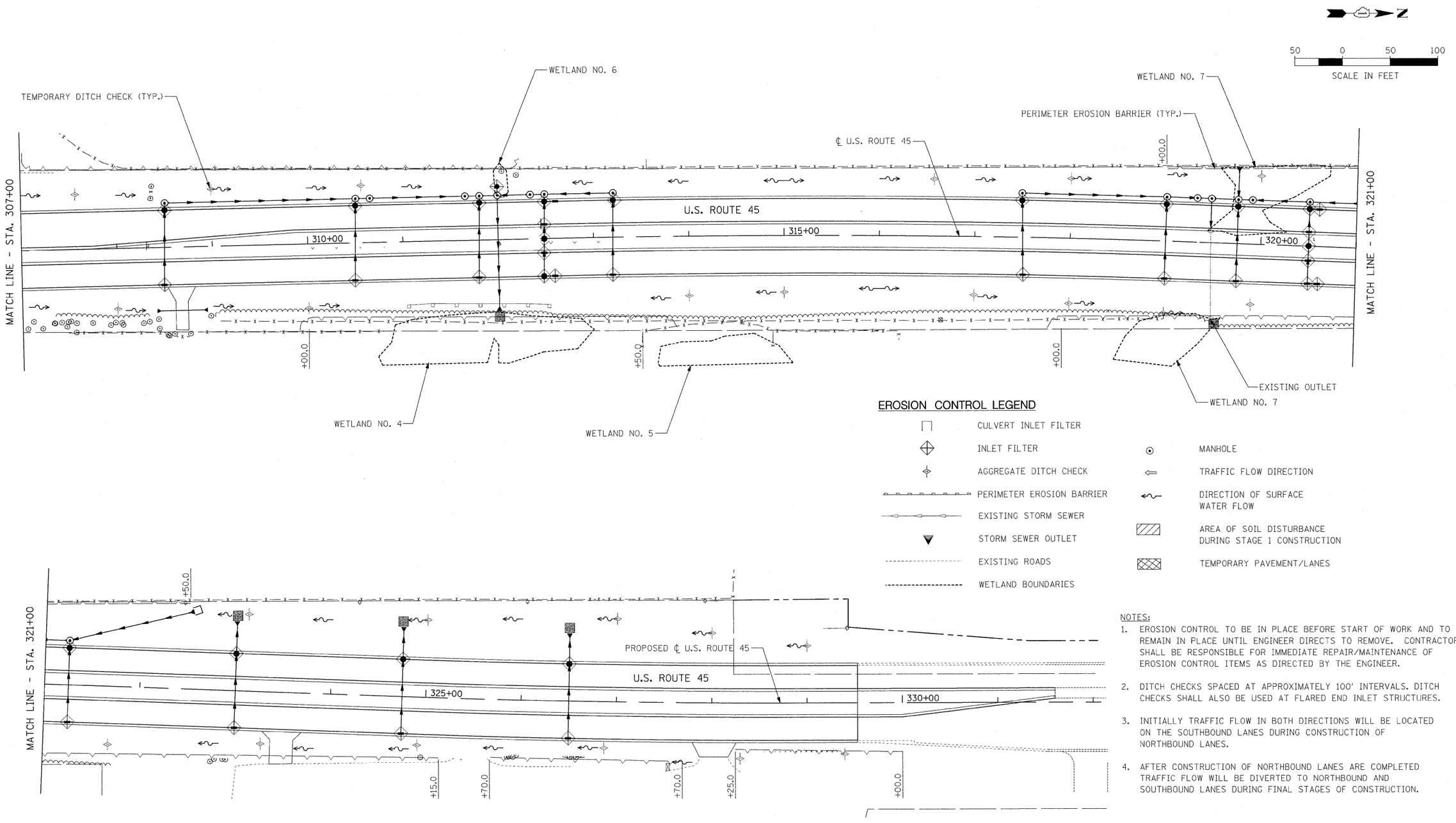
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - JW	REVISED -
	PLOT DATE = $DATE$	DATE - 12-12-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN – STAGE 2

SCALE: 1" = 50' | SHEET NO. 3 OF 4 SHEETS | STA. 278+00 TO STA. 307+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	101
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EROSION CONTROL LEGEND

- CULVERT INLET FILTER
- INLET FILTER
- AGGREGATE DITCH CHECK
- PERIMETER EROSION BARRIER
- EXISTING STORM SEWER
- STORM SEWER OUTLET
- EXISTING ROADS
- WETLAND BOUNDARIES
- MANHOLE
- TRAFFIC FLOW DIRECTION
- DIRECTION OF SURFACE WATER FLOW
- AREA OF SOIL DISTURBANCE DURING STAGE 1 CONSTRUCTION
- TEMPORARY PAVEMENT/LANES

NOTES:

1. EROSION CONTROL TO BE IN PLACE BEFORE START OF WORK AND TO REMAIN IN PLACE UNTIL ENGINEER DIRECTS TO REMOVE. CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIR/MAINTENANCE OF EROSION CONTROL ITEMS AS DIRECTED BY THE ENGINEER.
2. DITCH CHECKS SPACED AT APPROXIMATELY 100' INTERVALS. DITCH CHECKS SHALL ALSO BE USED AT FLARED END INLET STRUCTURES.
3. INITIALLY TRAFFIC FLOW IN BOTH DIRECTIONS WILL BE LOCATED ON THE SOUTHBOUND LANES DURING CONSTRUCTION OF NORTHBOUND LANES.
4. AFTER CONSTRUCTION OF NORTHBOUND LANES ARE COMPLETED TRAFFIC FLOW WILL BE DIVERTED TO NORTHBOUND AND SOUTHBOUND LANES DURING FINAL STAGES OF CONSTRUCTION.

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - JW	REVISED -
	PLOT DATE = $DATE$	DATE - 12-12-08	REVISED -

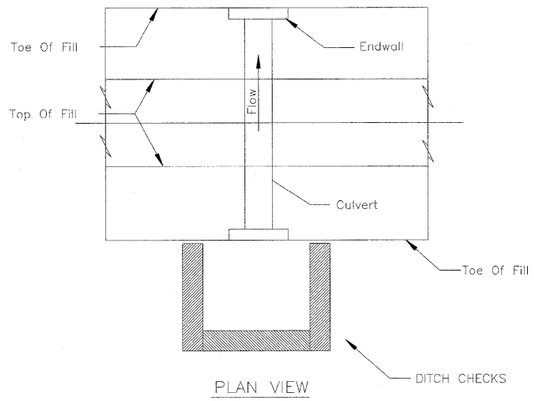
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN – STAGE 2

SCALE: 1" = 50' | SHEET NO. 4 OF 4 SHEETS | STA. 307+00 TO STA. 329+53

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	102
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CULVERT INLET PROTECTION

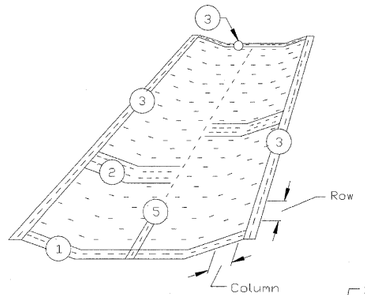


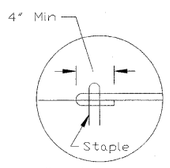
PLAN VIEW

NOTES:

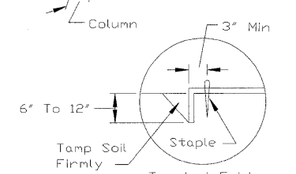
1. Sediment shall be removed when the sediment has accumulated to one-half the height of the stone ditch check dams.
2. The maximum drainage area to the culvert being protected is 1 acre.

EROSION BLANKET PLAN
IL-530



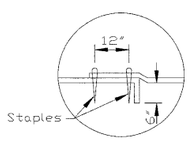


Terminal Fold
Jute Mesh Only

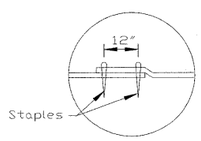


Terminal Fold
Excelsior Blanket
Erosion Control Paper

DETAIL 1

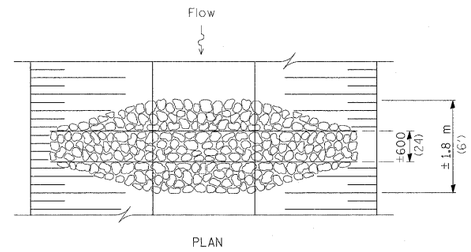


Junction Slot
Jute Mesh
Erosion Control Paper

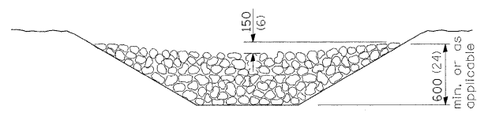


Junction Slot
Excelsior Blanket

DETAIL 2



PLAN



ELEVATION

AGGREGATE DITCH CHECK

Note: Dimensions are in millimeters (inches)

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - JW	REVISED -
	PLOT DATE = $DATE$	DATE - 12-12-08	REVISED -

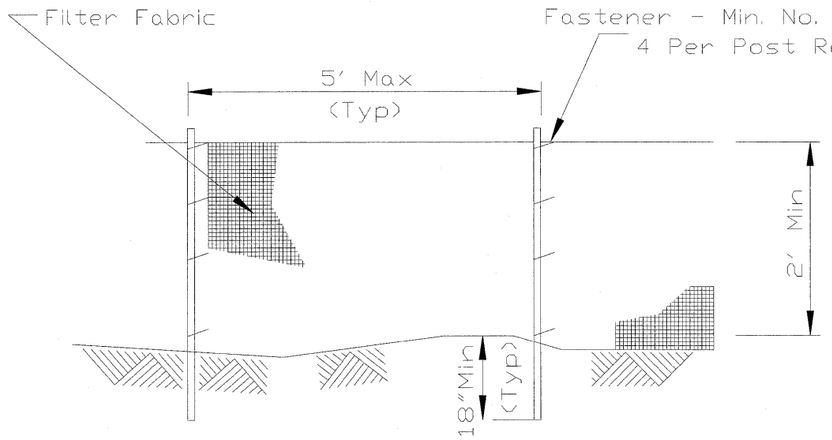
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN DETAILS

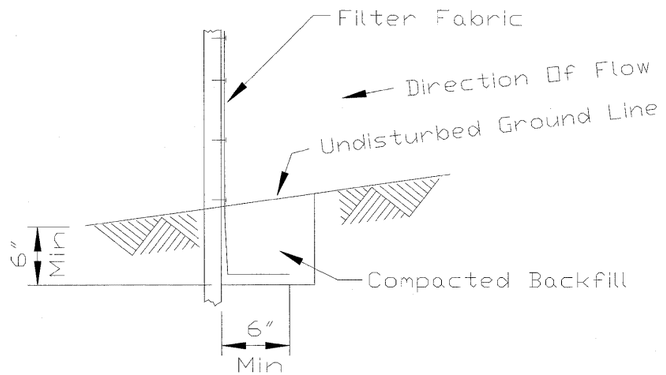
SCALE: N.T.S. | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	103
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SILT FENCE PLAN
IL-620



ELEVATION



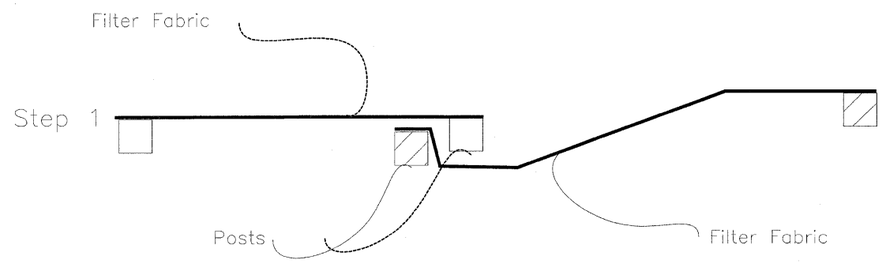
FABRIC ANCHOR DETAIL

NOTES:

Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.

Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.

Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.



ATTACHING TWO SILT FENCES

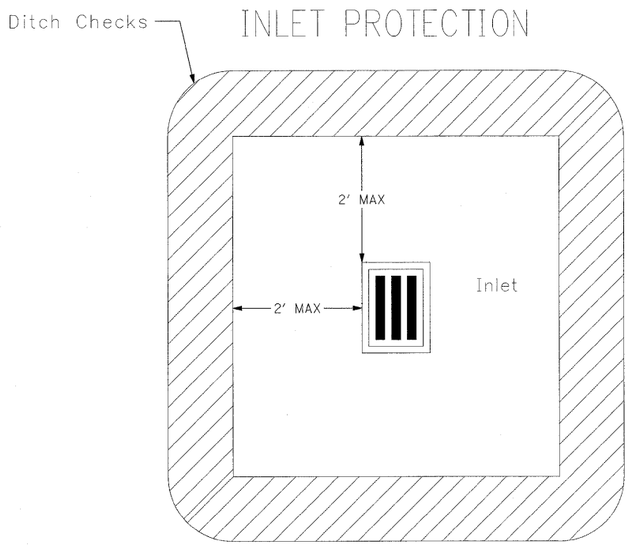
NOTES:

1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

IL-620(W)

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JRH	REVISED -			344	(46-1S&47)WRS-3	LAKE	176	104
	PLOT SCALE = $SCALE$	CHECKED - JW	REVISED -				U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	PLOT DATE = $DATE$	DATE - 12-12-08	REVISED -		SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

INLET PROTECTION



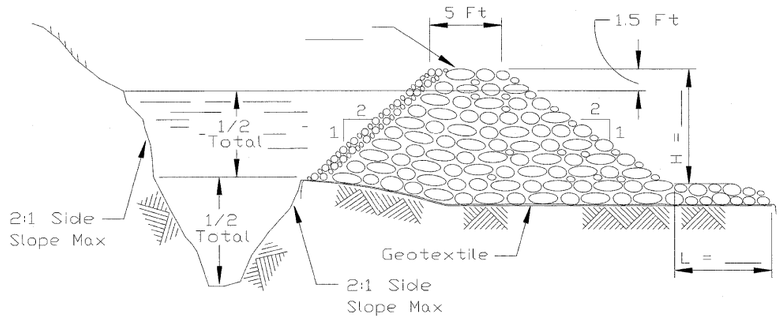
PLAN

NOTES:

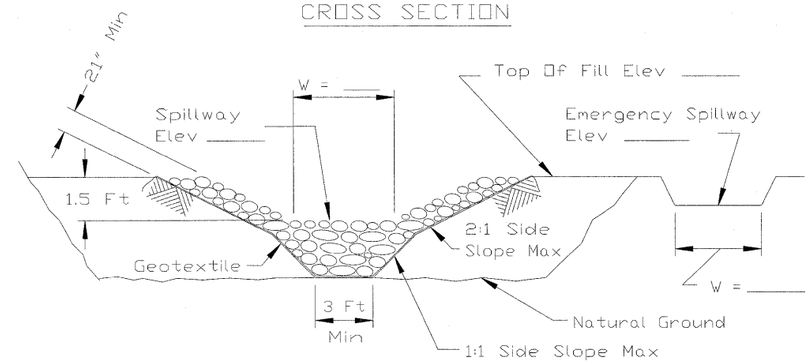
1. The immediate land area around the inlet should be relatively flat (less than 1% slope) and located so that the accumulated sediment can be easily removed.
2. The inside edge of the ditch checks shall be a maximum of 2 feet from the edge of the inlet.
3. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE Table 1 or 2, Class 1 with AOS of at least 30 for nonwoven and 50 for woven.
4. Filter fabric will be placed beneath the grate inside the inlet covers.

TEMPORARY SEDIMENT TRAP

IL-660



CROSS SECTION

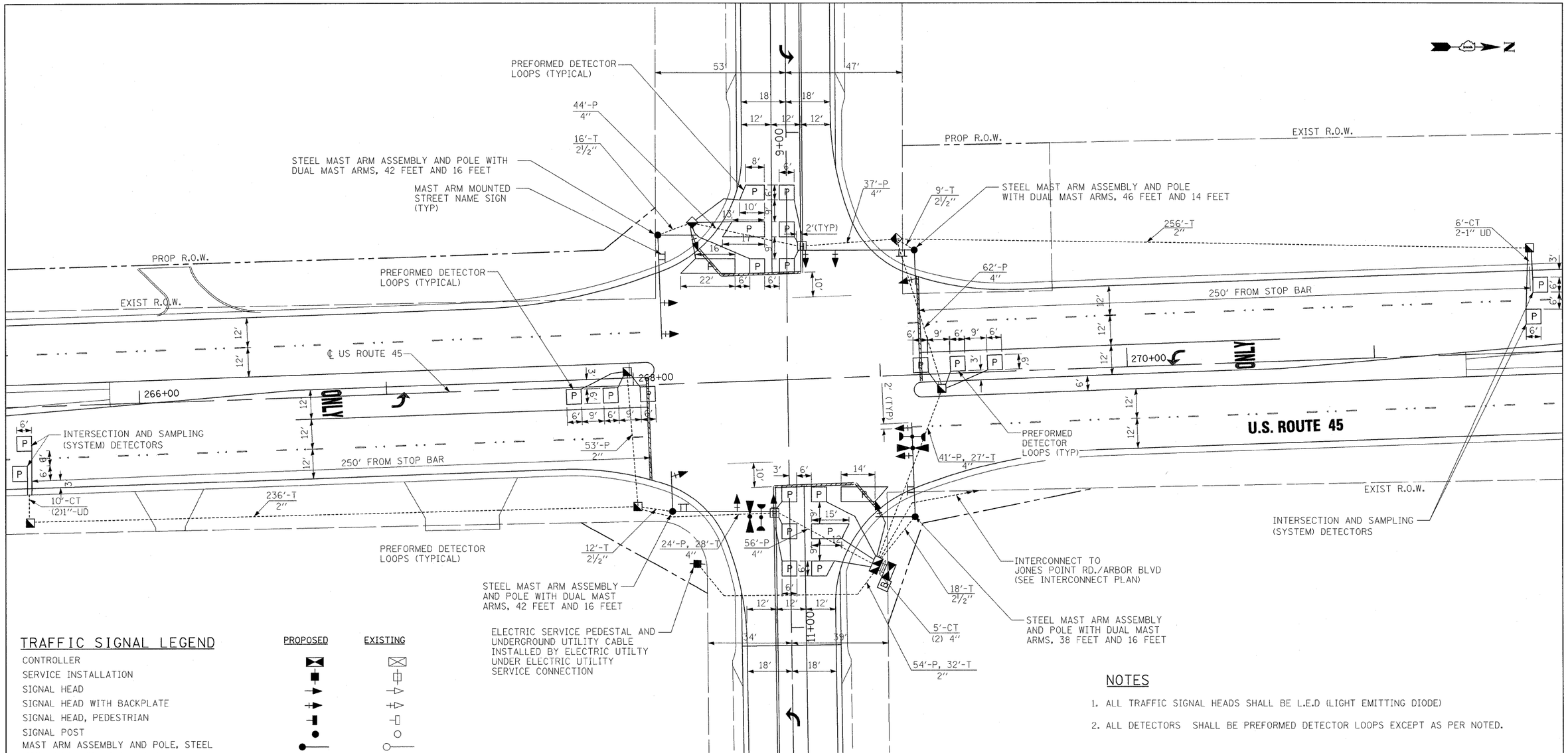


STONE SECTION

NOTES:

1. If the sediment pool is formed or enlarged the side slope will be 2:1 or flatter.
2. The fill shall be constructed using IDOT RR-4 stone size. A 1'layer of IDOT CA-2 should be placed on the inside face to reduce the flow rate.
3. The rock will be placed according to construction specification 25 ROCKFILL. Placement will be by Method 1 and compaction will be class III
4. The geotextile shall meet the requirements in material specification 592 GEOTEXTILE table 1 or 2, class I , II or IV .

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JRH	REVISED -			344	(46-1S&47)WRS-3	LAKE	176	105
	PLOT SCALE = $SCALE$	CHECKED - JW	REVISED -			U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
	PLOT DATE = $DATE$	DATE - 12-12-08	REVISED -		SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMMON TRENCH	CT	
UNIT DUCT	UD	
HANDHOLE		
HEAVY DUTY HANDHOLE	H	H"E"
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
PREFORMED DETECTOR LOOP	P	P
CAST IRON JUNCTION BOX		"E"
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED	"P"	"P"
CONDUIT SPLICE	"E"	
WOOD POLE	"E"	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		

TRAFFIC SIGNAL LEGEND CONT.

	PROPOSED	EXISTING
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET	"E"	"E"
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		"E"
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		"E"
TELEPHONE CONNECTION	T	T
UNINTERRUPTIBLE POWER SUPPLY	B	B

NOTES

1. ALL TRAFFIC SIGNAL HEADS SHALL BE L.E.D (LIGHT EMITTING DIODE)
2. ALL DETECTORS SHALL BE PREFORMED DETECTOR LOOPS EXCEPT AS PER NOTED.

0 20' 60' 100'

SCALE IN FEET

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -
	PLOT DATE = $DATE$	DATE - 12/12/07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN – US 45 /CASEY RD

SCALE: 1"=50' | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

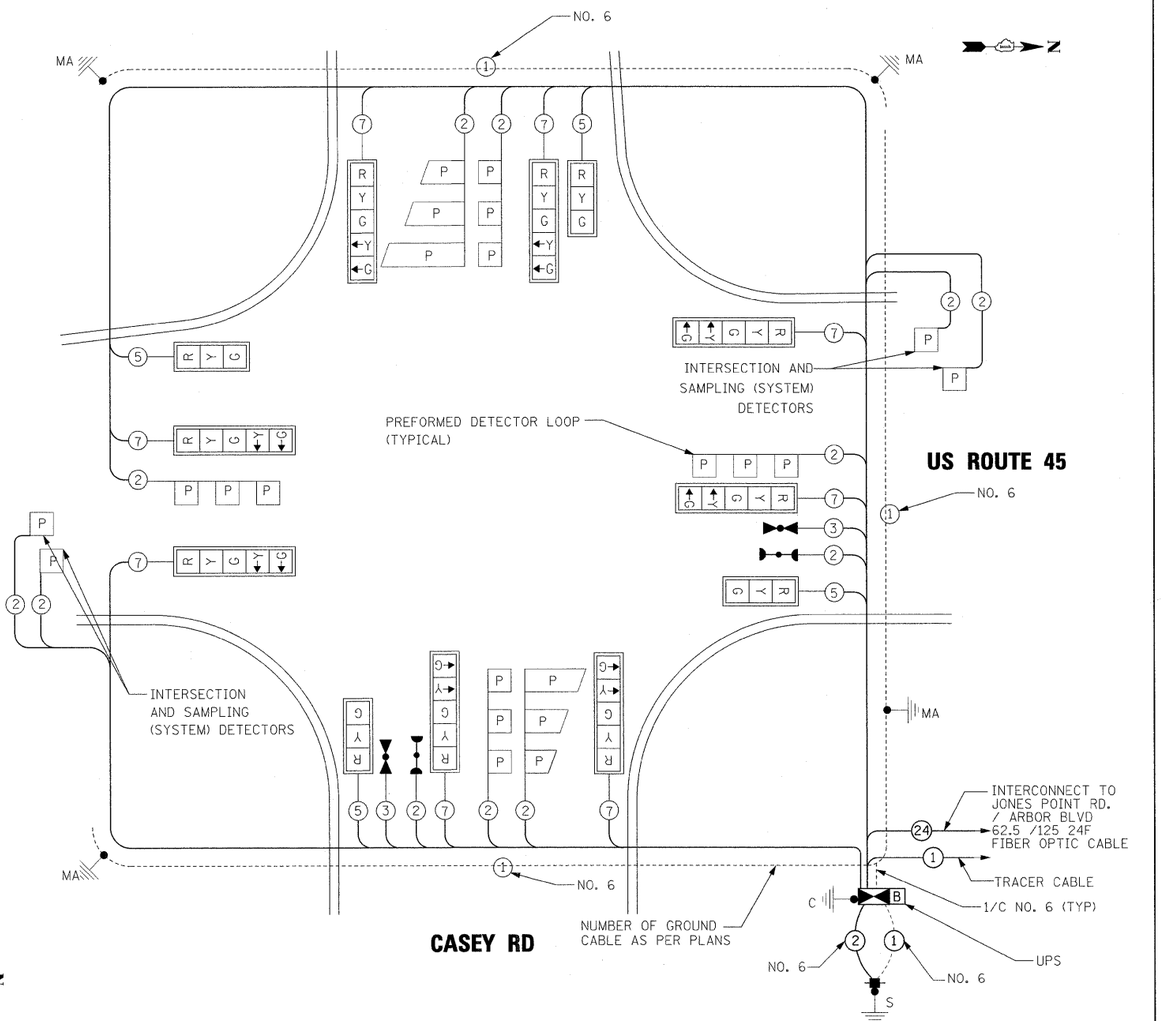
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	106
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

1	SIGN PANEL - TYPE 1	SQ FT	29
2	ELECTRIC SERVICE INSTALLATION	EACH	1
3	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	524
4	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	55
5	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	60
6	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	107
7	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	257
8	HANDHOLE	EACH	7
9	HEAVY-DUTY HANDHOLE	EACH	2
10	DOUBLE HANDHOLE	EACH	1
11	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	639
12	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
13	TRANSCEIVER - FIBER OPTIC	EACH	1
14	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	304
15	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	874
16	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1646
17	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1948
18	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	86
19	CONCRETE FOUNDATION, TYPE C	FOOT	4
20	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
21	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
22	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8
23	TRAFFIC SIGNAL BACKPLATE	EACH	12
24	INDUCTIVE LOOP DETECTOR	EACH	10
25	LIGHT DETECTOR	EACH	2
26	LIGHT DETECTOR AMPLIFIER	EACH	1
27	PREFORMED DETECTOR LOOP	FOOT	1062
28	UNINTERRUPTIBLE POWER SUPPLY	EACH	1
29	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1096
30	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	304
31	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 42 FT. AND 16 FT.	EACH	2
32	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 16 FT.	EACH	1
33	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 46 FT. AND 14 FT.	EACH	1

CABLE PLAN LEGEND

	EXISTING	PROPOSED
8" (200mm) TRAFFIC SIGNAL SECTION	G	G
12" (300mm) TRAFFIC SIGNAL SECTION	R	R
12" (300mm) PEDESTRIAN SIGNAL SECTION	W	W
12" (300mm) PEDESTRIAN SIGNAL SECTION		
CONTROLLER CABINET		
SERVICE INSTALLATION		
TELEPHONE CONNECTION	T	T
MAGNETIC DETECTOR		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
PUSHBUTTON DETECTOR		
PREFORMED DETECTOR LOOP	P	P
VEHICLE DETECTOR, INDUCTION LOOP		
DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.	2	2
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.	R Y G ←Y ←G "P"	R Y G ←Y ←G "P"
RAILROAD CONTROL CABINET	"E"	
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"	"E"	
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"	"E"	
GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER	H/C	H/C
GROUND ROD AT POST, OR MAST ARM POLE	P	P
GROUND ROD AT ELECTRIC, SERVICE INSTALLATION	S	S
GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN)	1	1
FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F	24	24
UNINTERRUPTIBLE POWER SUPPLY	B	B



NOTE: THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER.

ELECTRICAL LOAD CHART

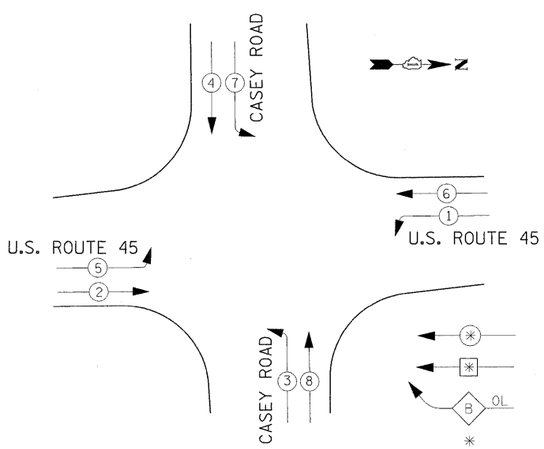
IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12	17	0.50	102
SIGNAL (YELLOW)	12	25	0.25	75
SIGNAL (GREEN)	12	15	0.25	45
ARROW	16	12	0.10	19.2
CONTROLLER	1	100	1.00	100.0
			TOTAL	341.2

ENERGY COSTS TO
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT : TERRY COLLARD
PHONE : (847) 816-5472
COMPANY : COM. EDISON

FOUNDATION (DEPTH)	FT	CABLE SLACK	FT	VERTICAL	FT
TYPE C - CONTROLLER	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
E - MAST ARM POLE		DOUBLE HANDHOLE	13	MAST ARM POLE (L)	20'+L-2
36" (900mm)	60	SIGNAL POST	2	BRACKET MOUNTED	13
		CONTROLLER CABINET	1	ELECTRIC SERVICE	13.5
		FIBER OPTIC	13	SERVICE GROUND	13.5
		ELECTRIC SERVICE	1	POST MOUNTED	6
		GROUND CABLE	1		

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

LEGEND
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVER LAP
- * NUMBER REFERS TO ASSOCIATED PHASE

NOTE
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

EMERGENCY VEHICLE PREEMPTION SEQUENCE		
SEQUENCE	3	4
PHASES	→ ←	↓ ↑

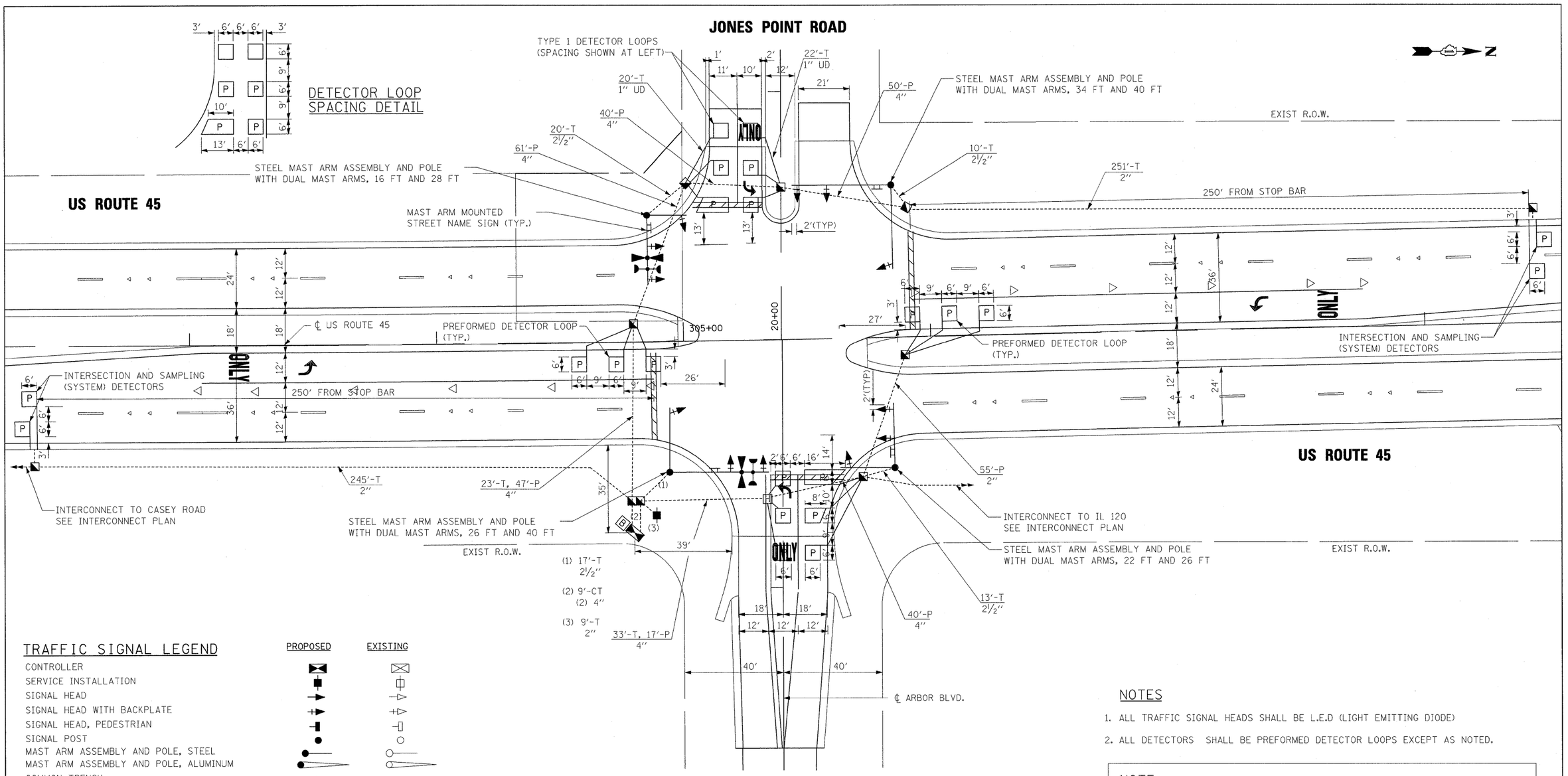
FILE NAME = $FILE_N$	USER NAME = $USER$	DESIGNED - MAP	REVISED -	
		DRAWN - JRH	REVISED -	
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -	
	PLOT DATE = $DATE$	DATE - 12/12/07	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN – US 45 /CASEY RD

SCALE: NONE | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	107
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMMON TRENCH	CT	
UNIT DUCT	UD	
HANDHOLE		
HEAVY DUTY HANDHOLE	H	H "E"
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
PREFORMED DETECTOR LOOP	P	P
CAST IRON JUNCTION BOX		"E"
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED	"P"	"P"
CONDUIT SPLICE	"E"	
WOOD POLE		"E"
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		

TRAFFIC SIGNAL LEGEND CONT.

	PROPOSED	EXISTING
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET		"E"
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		"E"
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		"E"
TELEPHONE CONNECTION	T	T
UNINTERRUPTIBLE POWER SUPPLY	B	B

0 20' 60' 100'
SCALE IN FEET

NOTES

1. ALL TRAFFIC SIGNAL HEADS SHALL BE L.E.D (LIGHT EMITTING DIODE)
2. ALL DETECTORS SHALL BE PREFORMED DETECTOR LOOPS EXCEPT AS NOTED.

NOTE
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -
	PLOT DATE = $DATE$	DATE - 12/12/07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN — US 45 /ARBOR BLVD

SCALE: 1"=20' | SHEET NO. 1 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	108
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

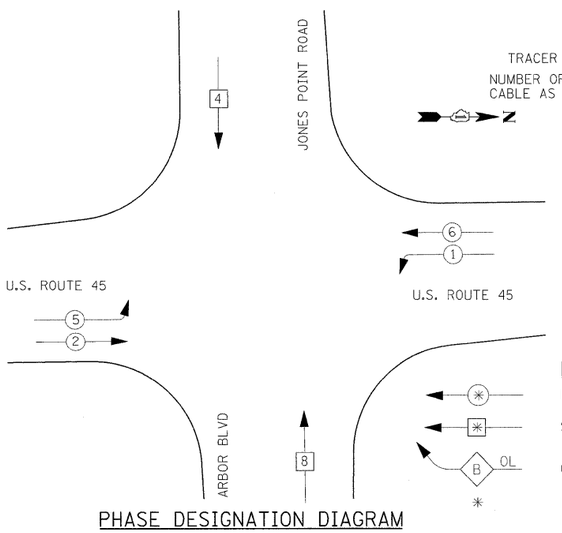
SCHEDULE OF QUANTITIES

ITEM NO.	S. NO	ITEM NAME	UNITS	QUANTITY
72000100	1	SIGN PANEL - TYPE 1	SQ FT	30
72000200	2	SIGN PANEL - TYPE 2	SQ FT	28
X8050015	3	SERVICE INSTALLATION - POLE MOUNTED	EACH	1
81000600	4	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	504
81000700	5	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	60
81001000	6	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	74
81018500	7	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	55
81018900	8	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	255
81400100	9	HANDHOLE	EACH	8
81400200	10	HEAVY-DUTY HANDHOLE	EACH	1
81400300	11	DOUBLE HANDHOLE	EACH	1
81900200	12	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	638
85700205	13	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
86400100	14	TRANSCEIVER - FIBER OPTIC	EACH	1
87301225	15	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	440
87301245	16	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	860
87301255	17	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1698
87301305	18	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2512
87301805	19	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	9
87702190	20	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 16 FT. AND 28 FT.	EACH	1
87702260	21	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 26 FT.	EACH	1
87702360	22	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT. AND 40 FT.	EACH	1
87702550	23	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 34 FT. AND 40 FT.	EACH	1
87800150	24	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	25	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
88030020	26	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
88030080	27	SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
88030110	28	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
88200100	29	TRAFFIC SIGNAL BACKPLATE	EACH	12
88500100	30	INDUCTIVE LOOP DETECTOR	EACH	10
88600100	31	DETECTOR LOOP, TYPE 1	FOOT	68
88700200	32	LIGHT DETECTOR	EACH	3
88700300	33	LIGHT DETECTOR AMPLIFIER	EACH	1
89000100	34	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	35	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	36	REMOVE EXISTING HANDHOLE	EACH	2
X0323670	37	PREFORMED DETECTOR LOOP	FOOT	706
X8620020	38	UNINTERRUPTIBLE POWER SUPPLY	EACH	1
X8730027	39	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1033
X8730275	40	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	440

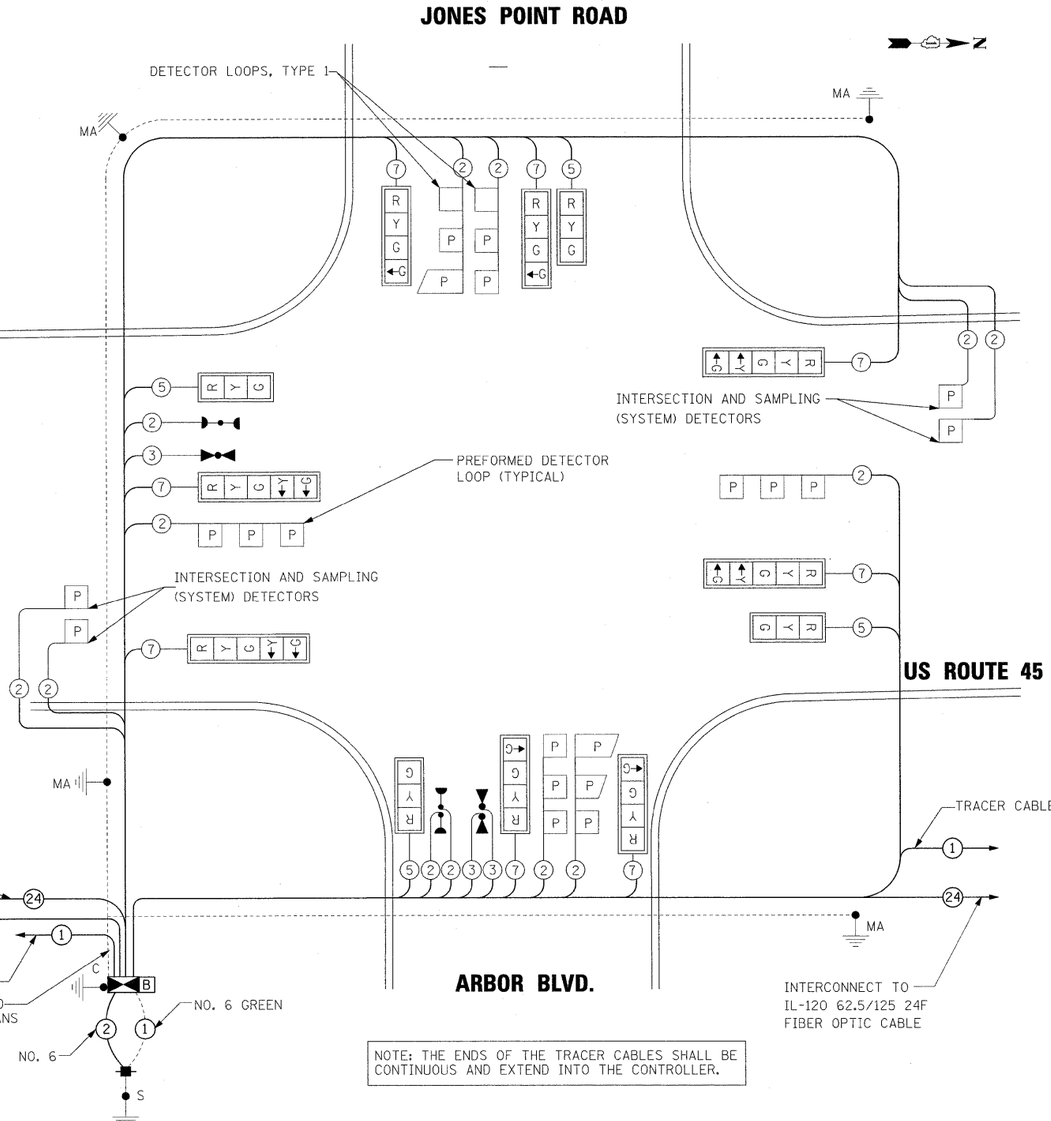
CABLE PLAN LEGEND

	EXISTING	PROPOSED
8" (200mm) TRAFFIC SIGNAL SECTION	G	G
12" (300mm) TRAFFIC SIGNAL SECTION	R	R
12" (300mm) PEDESTRIAN SIGNAL SECTION	W	W
12" (300mm) PEDESTRIAN SIGNAL SECTION		
CONTROLLER CABINET		
SERVICE INSTALLATION		
TELEPHONE CONNECTION	T	T
MAGNETIC DETECTOR		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
PUSHBUTTON DETECTOR		
PREFORMED DETECTOR LOOP	P	P
VEHICLE DETECTOR, INDUCTION LOOP		
DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.	2	2
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.	R Y G ←Y ←G "P"	R Y G ←Y ←G "P"
RAILROAD CONTROL CABINET	"E"	
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"	"E"	
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"	"E"	
GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER	H/C	H/C
GROUND ROD AT POST, OR MAST ARM POLE	P	P
GROUND ROD AT ELECTRIC, SERVICE INSTALLATION	S	S
GROUND CABLE IN CONDUIT, NO.6 SOLID COPPER (GREEN)	1	1
FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F	24	24
UNINTERRUPTIBLE POWER SUPPLY	B	B

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



NOTE: THE ENDS OF THE TRACER CABLES SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER.

ELECTRICAL LOAD CHART

IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12	17	0.50	102
SIGNAL (YELLOW)	12	25	0.25	75
SIGNAL (GREEN)	12	15	0.25	45
ARROW	8	12	0.10	9.6
CONTROLLER	1	100	1.00	100.0
			TOTAL	331.6

ENERGY COSTS TO
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT : TERRY COLLARD
PHONE : (847) 816-5472
COMPANY : COM. EDISON

FOUNDATION (DEPTH)	FT	CABLE SLACK	FT	VERTICAL	FT
TYPE C - MAST ARM	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
TYPE D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM POLE (L)	20'+L-2
E - MAST ARM POLE		SIGNAL POST	2	BRACKET MOUNTED	13
36"	15	CONTROLLER CABINET	1	ELECTRIC SERVICE	13.5
		FIBER OPTIC	13	SERVICE GROUND	13.5
		ELECTRIC SERVICE	1	POST MOUNTED	6
		GROUND CABLE	1		

LEGEND

DUAL ENTRY PHASE

SINGLE ENTRY PHASE

OVER LAP

NUMBER REFERS TO ASSOCIATED PHASE

NOTE

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

EMERGENCY VEHICLE PRE-EMPTION SEQUENCE			
SEQUENCE	3	4	5
PHASE			

FILE NAME = $FILEL$

USER NAME = $USER$ | PLOT SCALE = $SCALE$ | PLOT DATE = $DATE$

DESIGNED - MAP | DRAWN - JRH | CHECKED - DEM | DATE - 12/12/07

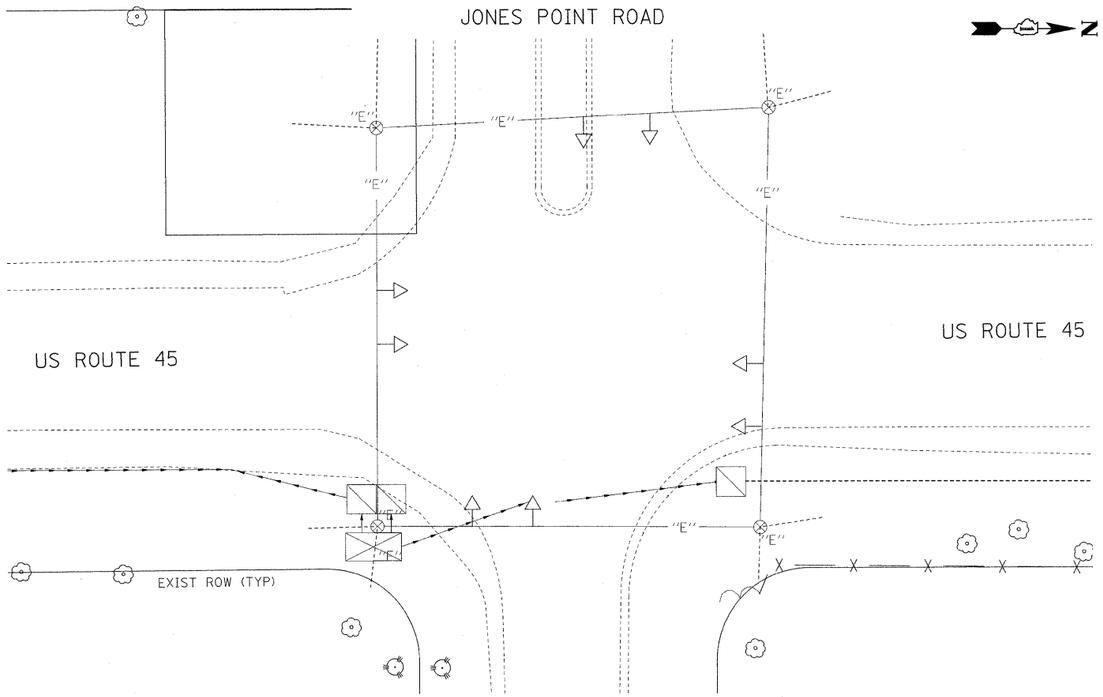
REVISED - | REVISED - | REVISED - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

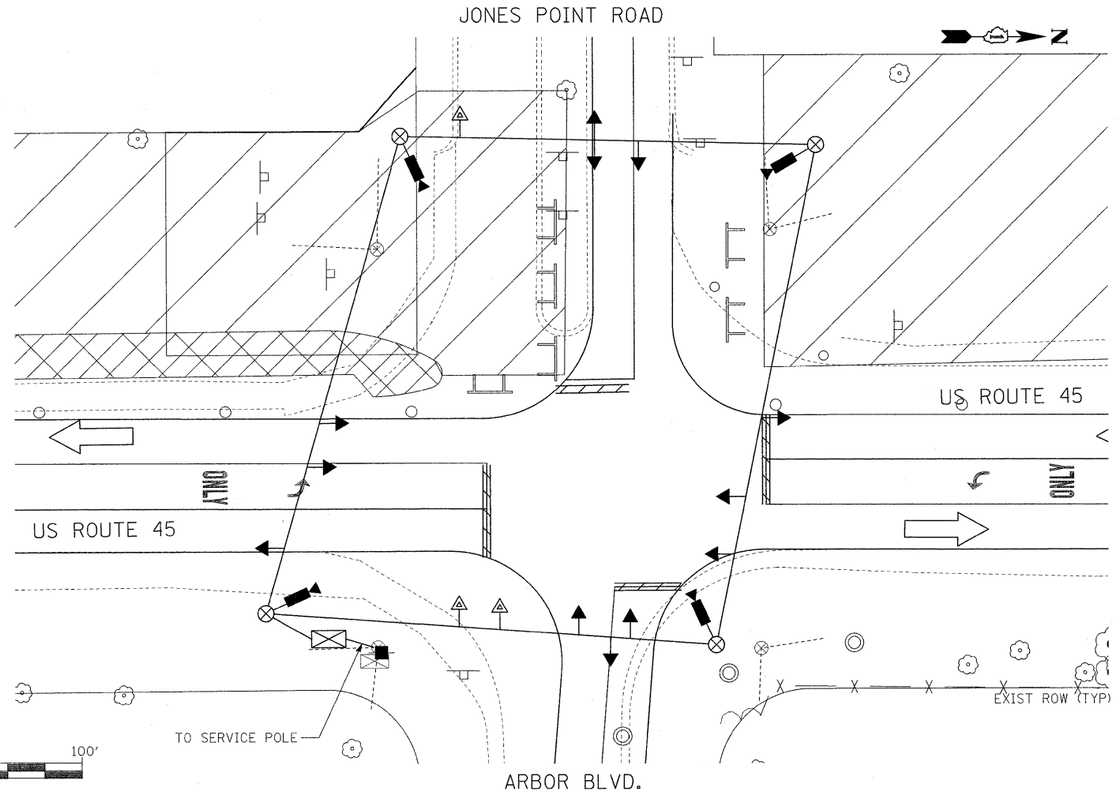
SCHEDULE OF QUANTITIES AND CABLE PLAN — US 45 /ARBOR BLVD

SCALE: NONE | SHEET NO. 2 OF 5 SHEETS | STA. N/A | TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	109
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EXISTING TEMPORARY TRAFFIC SIGNAL



STAGE 1 CONFIGURATION

0 20′ 60′ 100′
SCALE IN FEET

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1 EACH CONTROLLER AND CABINET (COMPLETE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THER EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8	EACH	SIGNAL HEADS
4	EACH	WOOD POLES
1	EACH	SERVICE INSTALLATION
560	FT	AERIAL CABLE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- "E" EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- "E" EXISTING WOOD POLE TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- "E"[H] EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- "E" EXISTING AERIAL CABLE TO BE REMOVED

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL (S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT. TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING SYSTEM.
6. THIS TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON,
7. EXISTING TRAFFIC SIGNALS SHALL BE REMOVED ONLY AFTER THE PROPOSED TEMPORARY TRAFFIC SIGNALS ARE ACCEPTED AND IN OPERATION.
8. MAINTENANCE OF THE EXISTING TEMPORARY INTERCONNECT SHALL BE INCIDENTAL TO THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION. NEW FIBER OPTIC CABLE WILL BE INSTALLED FOR THE PERMANENT INTERCONNECT.

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION.
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION.
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FEET (13.7m) MINIMUM.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD. BRACKET MOUNTED.
- MICROWAVE VEHICLE SENSOR
- PEDESTRIAN PUSHBUTTON DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- CT COMMON TRENCH
- UD UNIT DUCT
- GS CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- [H] HEAVY DUTY HANDHOLE

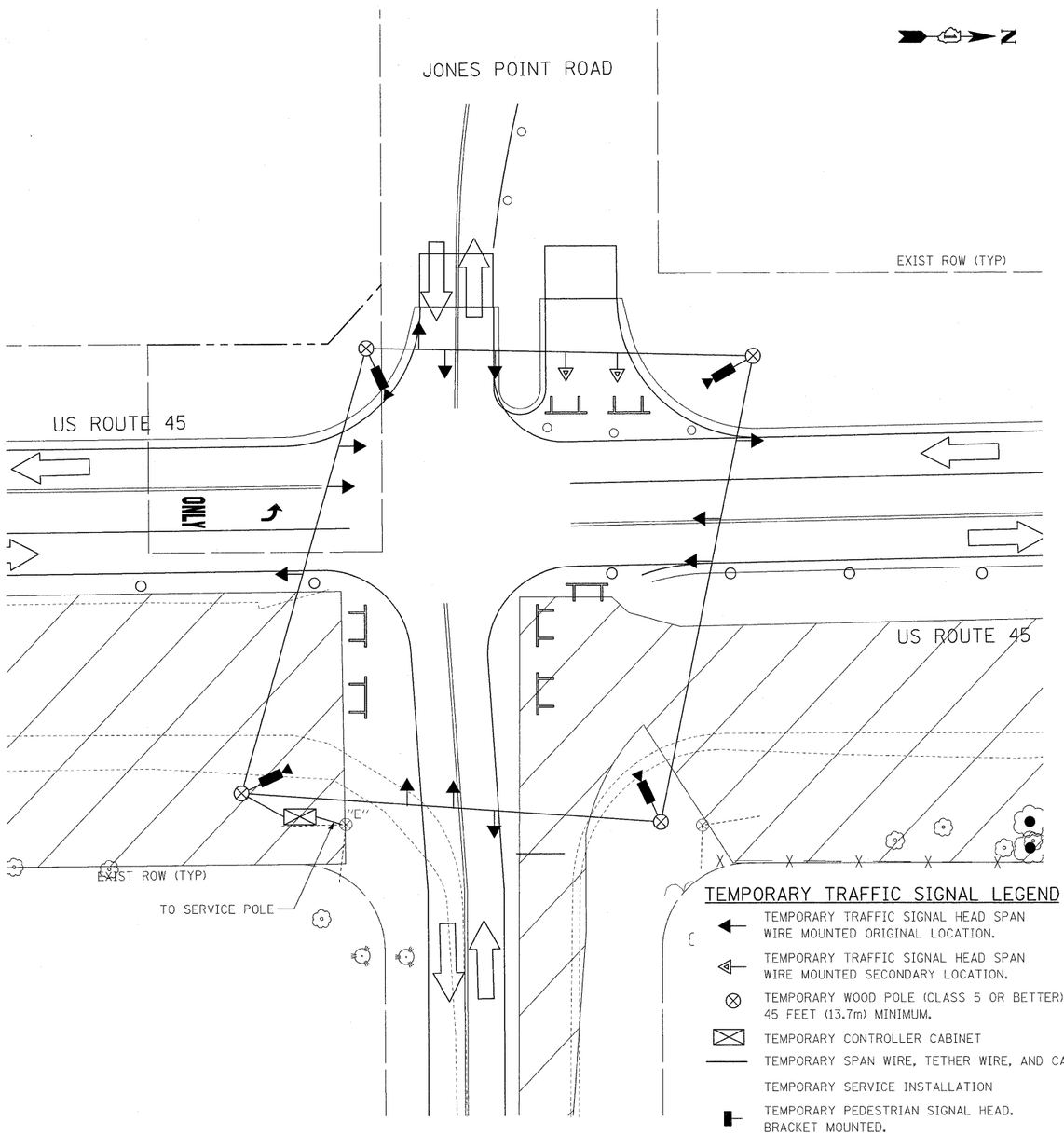
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -
	PLOT DATE = $DATE$	DATE - 12/12/07	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL – STAGE 1 – US 45 /ARBOR BLVD

SCALE: 1"=20′ | SHEET NO. 3 OF 5 SHEETS | STA. | TO STA.

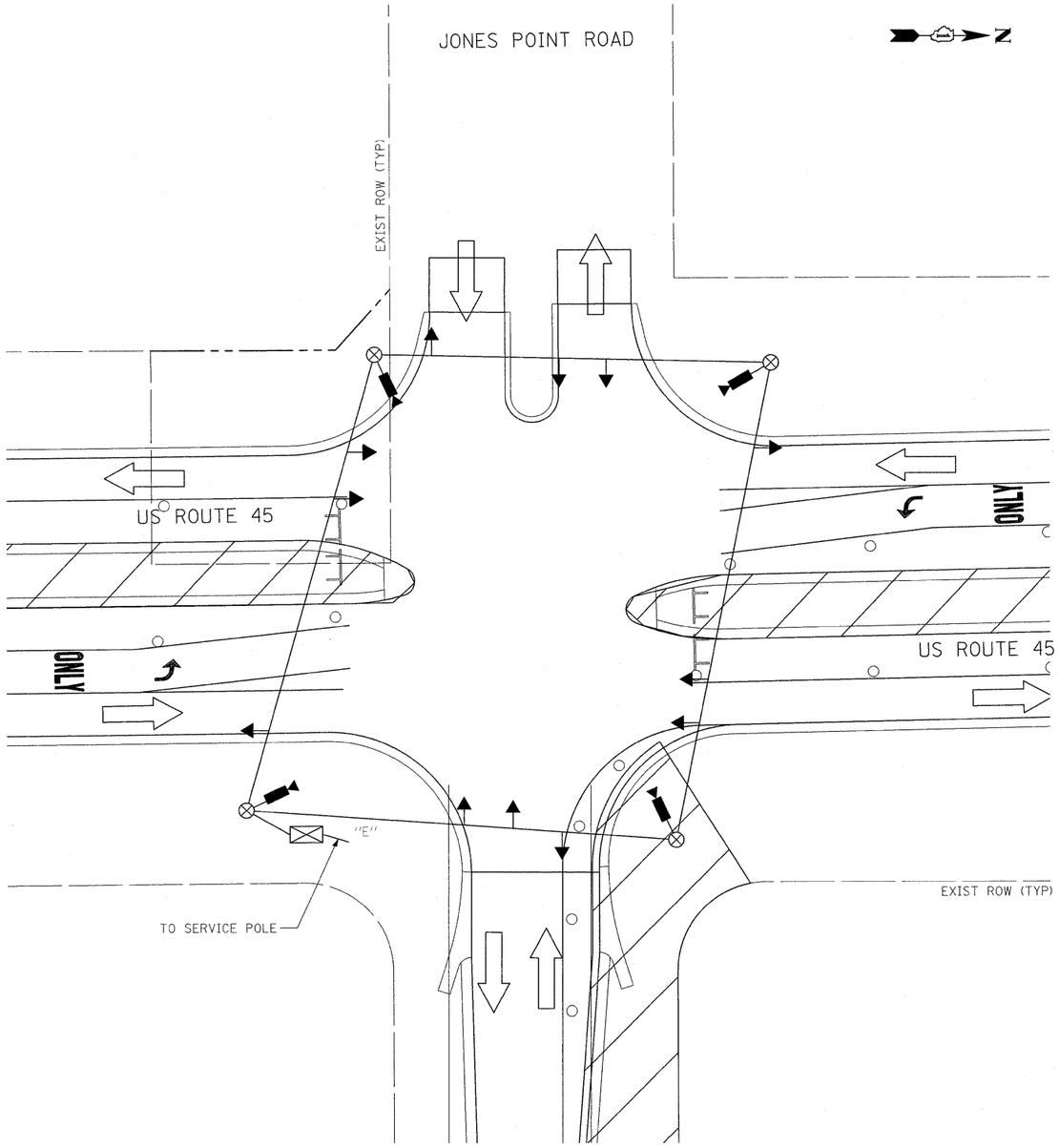
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	110
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGE 2 CONFIGURATION

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION.
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION.
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FEET (13.7m) MINIMUM.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD. BRACKET MOUNTED.
- MICROWAVE VEHICLE SENSOR
- PEDESTRIAN PUSHBUTTON DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- CT COMMON TRENCH
- UD UNIT DUCT
- GS CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- H HEAVY DUTY HANDHOLE



STAGE 3 CONFIGURATION

0 20′ 60′ 100′

SCALE IN FEET

NOTE

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE " EAGLE " TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -
	PLOT DATE = $DATE$	DATE - 12/12/07	REVISED -

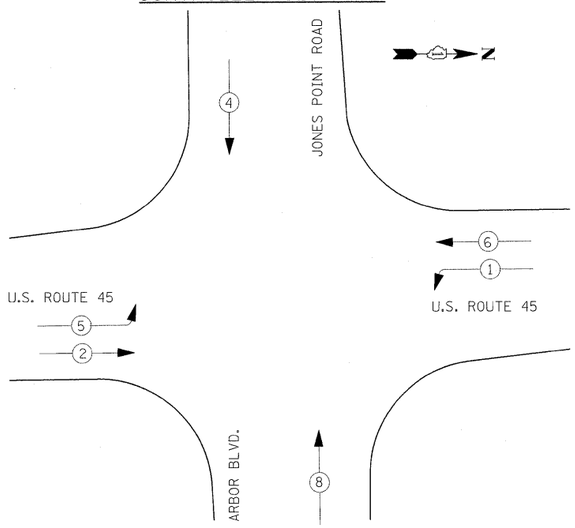
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL – STAGES 2 AND 3

SCALE: 1"=20′ | SHEET NO. 4 OF 5 SHEETS | STA. | TO STA.

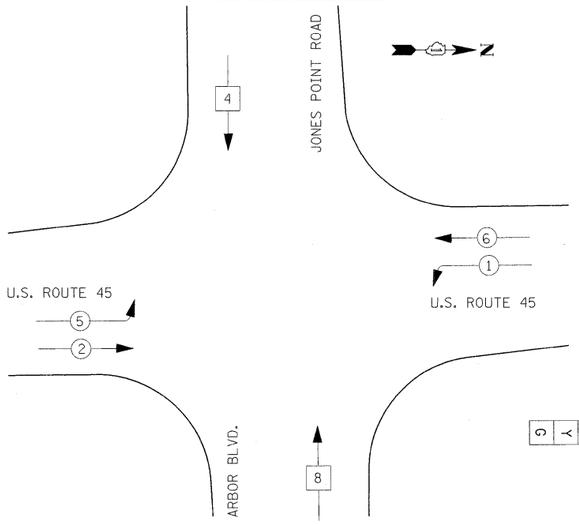
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	111
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE

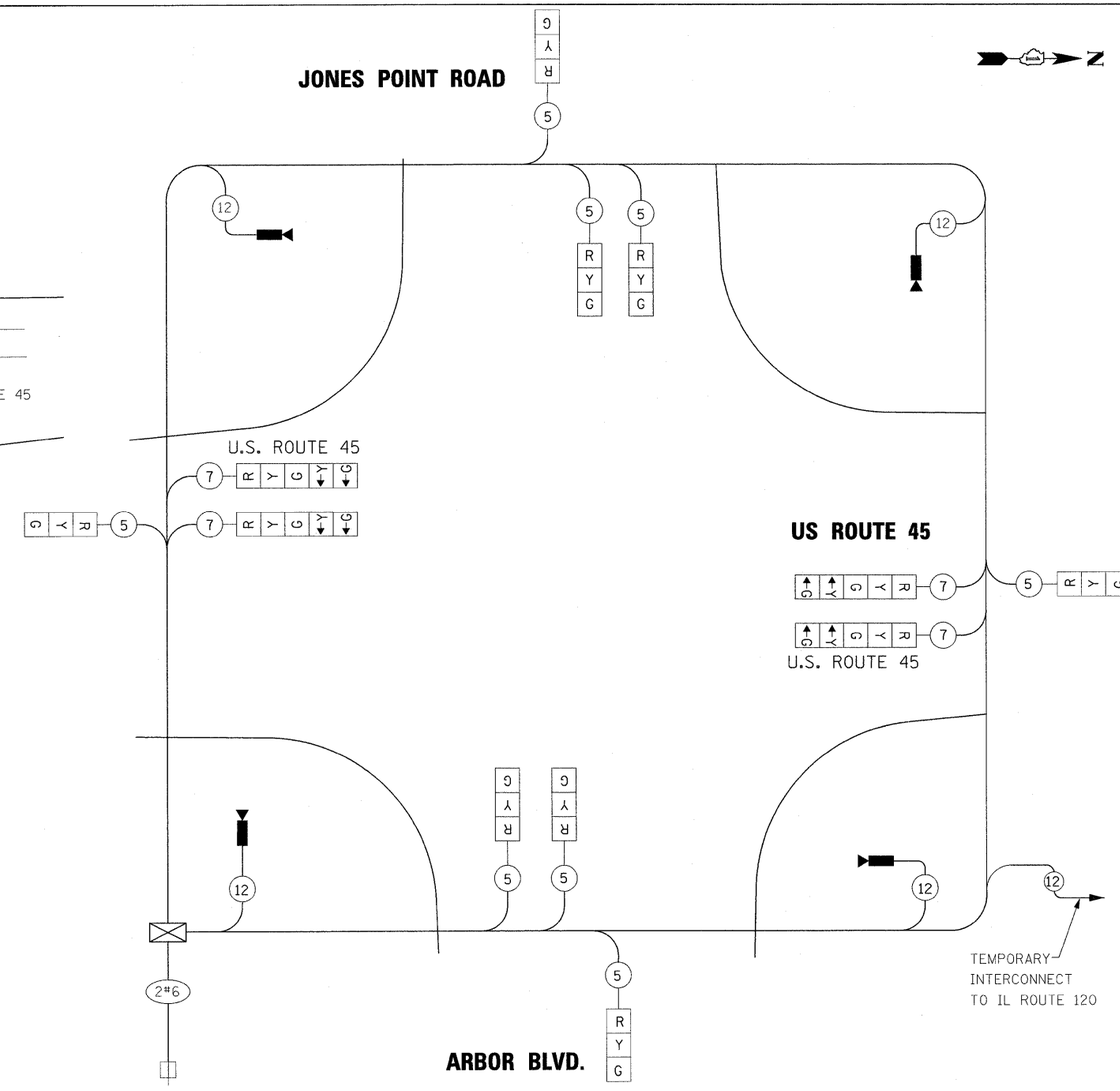


PHASE DESIGNATION DIAGRAM
STAGES 1 & 2

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM
STAGE 3



LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVER LAP
- NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY CABLE DIAGRAM LEGEND

- R — TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (5) — INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- MICROWAVE VEHICLE SENSOR

ELECTRICAL LOAD CHART

IDOT TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE	% OPERATION	
SIGNAL (RED)	12	17	0.50	102
SIGNAL (YELLOW)	12	25	0.25	75
SIGNAL (GREEN)	12	15	0.25	45
ARROW	8	12	0.10	10
CONTROLLER	1	100	1.00	100
				TOTAL 332

ENERGY COSTS TO
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT : TERRY COLLARD
PHONE : (847) 816-5472
COMPANY : COM. EDISON

NOTES

1. THE INSTALLATION AND MAINTENANCE OF THE TEMPORARY INTERCONNECT CABLE SHALL BE INCIDENTAL TO THE COST OF TEMPORARY TRAFFIC SIGNAL INSTALLATION.
2. THESE TRAFFIC SIGNAL SECTIONS SHALL BE DEACTIVATED AND BAGGED AS REQUIRED DURING CONSTRUCTION STAGINGS.
3. THE PHASING SHALL BE DEACTIVATED AS REQUIRED DURING THE CONSTRUCTION STAGINGS.

NOTE

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM

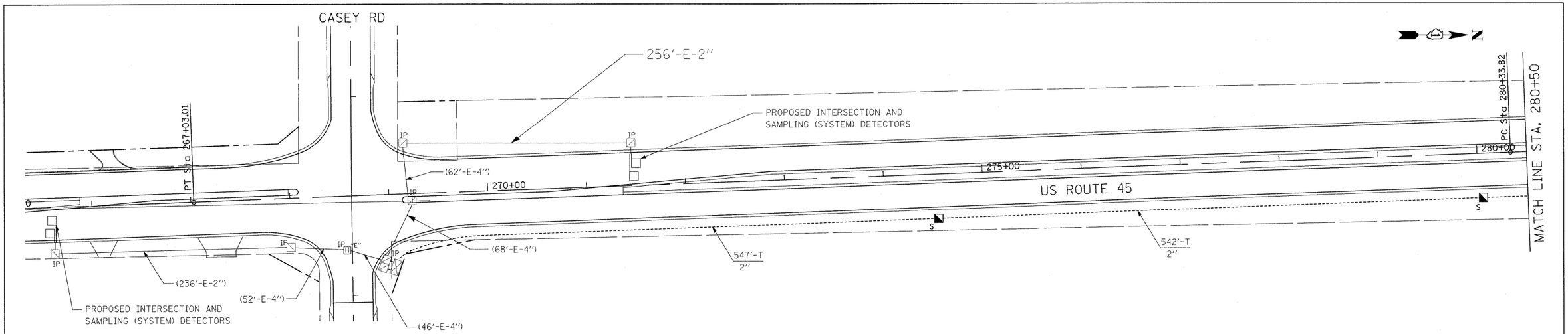
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -
	PLOT DATE = $DATE$	DATE - 12/12/07	REVISED -

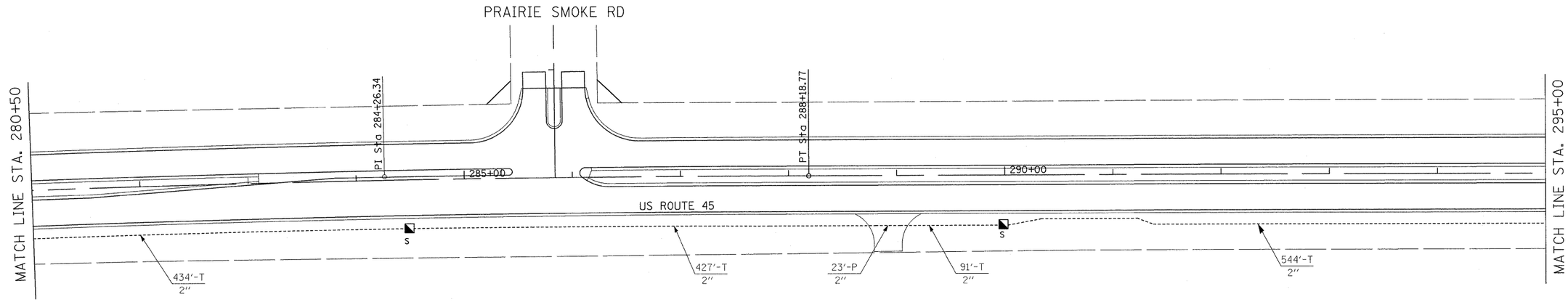
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN – US 45 /ARBOR BLVD

SCALE: NONE | SHEET NO. 5 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	112
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



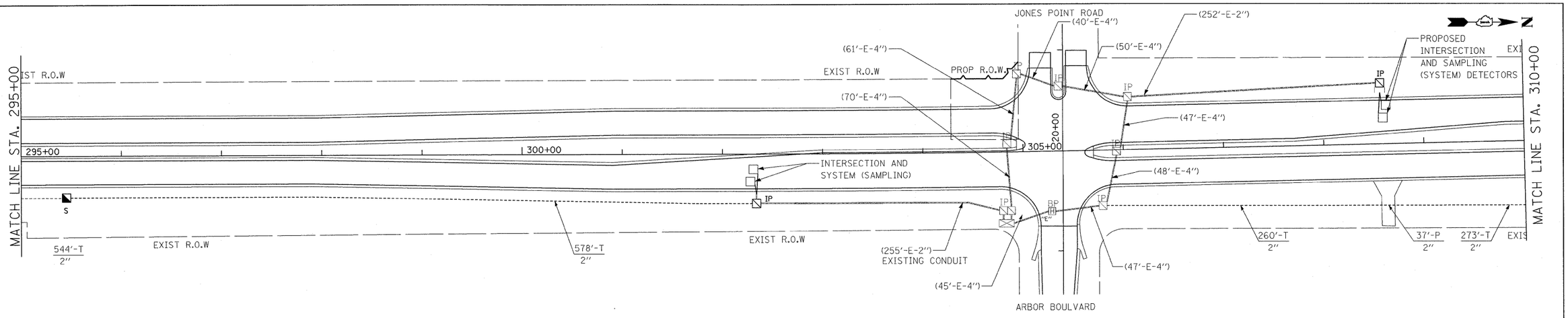


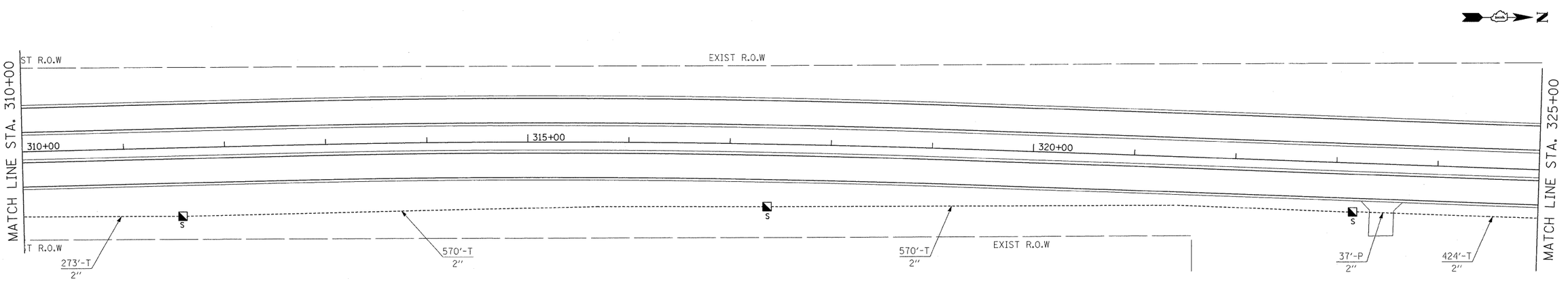
INTERCONNECT PLAN LEGEND

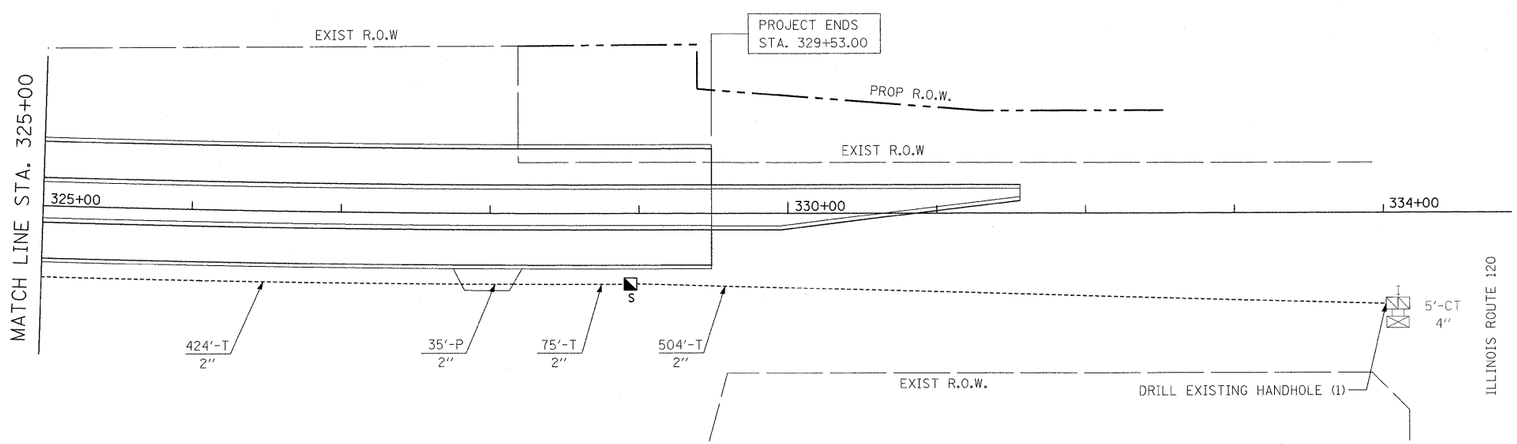
PROPOSED	EXISTING	
■	⊠	CONTROLLER
◣◢	⊠	DOUBLE HANDHOLE
◣	⊠	HANDHOLE
□	⊠	DETECTOR LOOP
H	H	HEAVY DUTY HANDHOLE
-------	———	G.S. CONDUIT IN TRENCH OR PUSHED
T	T	TELEPHONE CONNECTION
CT		COMMON TRENCH
UD		UNIT DUCT
IP	I	INTERSECTION
S		SYSTEM

0 45' 100' 200'
SCALE IN FEET

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**INTERCONNECT CONDUIT PLAN**		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JRH	REVISED -				344	(46-1S&47)WRS-3	LAKE	176	113
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -					U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957	
	PLOT DATE = $DATE$	DATE - 12-12-08	REVISED -		SCALE: 1"=50'	SHEET NO. 1 OF 2 SHEETS STA. 265+00 TO STA. 295+00		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	







INTERCONNECT PLAN LEGEND

PROPOSED	EXISTING	
▣	▣	CONTROLLER
◪	◪	DOUBLE HANDHOLE
◩	◩	HANDHOLE
□	⬚	DETECTOR LOOP
H	H	HEAVY DUTY HANDHOLE
--------	———	G.S. CONDUIT IN TRENCH OR PUSHED
T	T	TELEPHONE CONNECTION
CT		COMMON TRENCH
UD		UNIT DUCT
IP	I	INTERSECTION
S		SYSTEM

0 40' 120' 200'
SCALE IN FEET

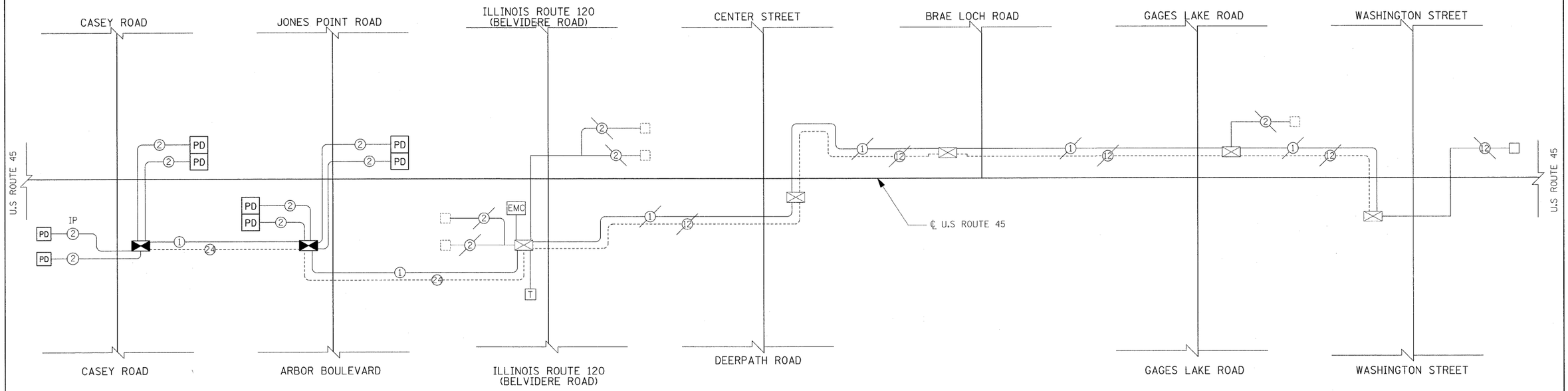
FILE NAME = $FILE1$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -
	PLOT DATE = $DATE$	DATE - 12-12-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN

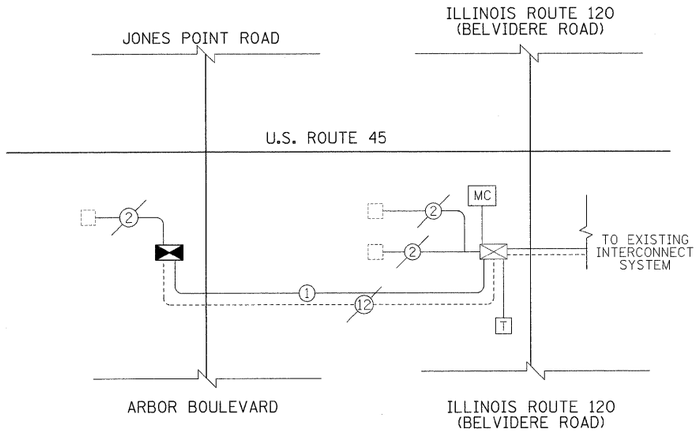
SCALE: 1" = 50' | SHEET NO. 2 OF 2 SHEETS | STA. 295+00 | TO STA. 334+84.91

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	114
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



INTERCONNECT SCHEMATIC

EAGLE SYSTEM 4c



TEMPORARY INTERCONNECT SCHEMATIC

INTERCONNECT SCHEMATIC LEGEND

EXISTING INTERSECTION CONTROLLER	
PROPOSED INTERSECTION CONTROLLER	
EXISTING MASTER CONTROLLER	EMC
PROPOSED MASTER CONTROLLER	MC
MASTER MASTER CONTROLLER	MMC
EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS	
PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS	
EXISTING INTERSECTION LOOP DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS	P
EXISTING SAMPLING (SYSTEM) DETECTORS	ES
PROPOSED SAMPLING (SYSTEM) DETECTORS	PS
EXISTING SAMPLING (SYSTEM) DETECTORS. PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS.	ESP
EXISTING SAMPLING (SYSTEM) DETECTORS. PROPOSED SAMPLING (SYSTEM) DETECTORS.	ESPS
EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS	PD
PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS	PD
EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS	ESPD

PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS	PSPD
EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	24
PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	24
EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	12
PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	12
EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	6
PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	6
EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	2
PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	2
EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED)	1
PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)	1
EXISTING TELEPHONE CONNECTION	T
PROPOSED TELEPHONE CONNECTION	T

INTERCONNECT SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH 2" DIA., GALVANIZED STEEL	FEET	6385
CONDUIT PUSHED 2" DIA., GALVANIZED STEEL	FEET	132
HANDHOLE	EACH	9
ELECTRICAL CABLE IN CONDUIT, TRACER NO. 14 1C	FEET	6590
DRILL EXISTING HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	6385
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 12F MM24F & SM12F	FOOT	6590
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

NOTE

THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -
	PLOT DATE = $DATE$	DATE - 12-12-08	REVISED -

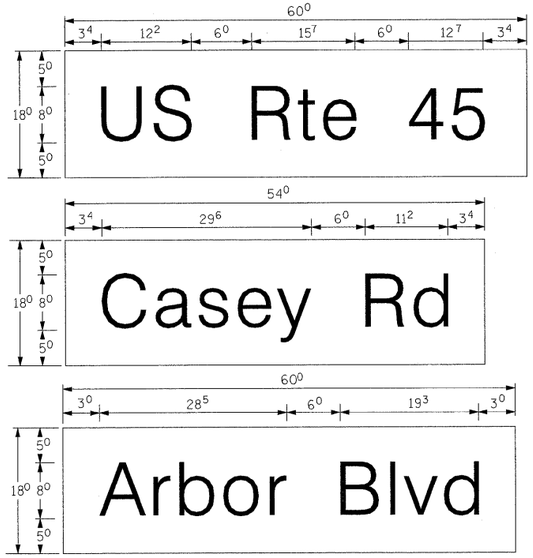
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	115
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PANEL SIGN DESIGN TYPE 1

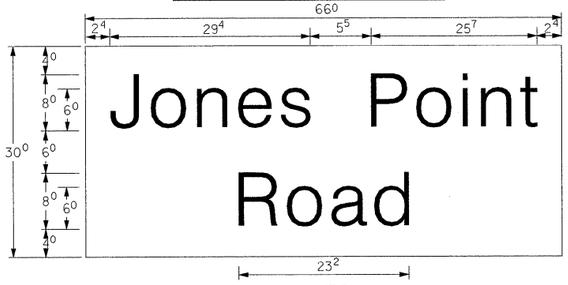


7.50 Sq. Ft. each
4 Required
Design Series D

6.75 Sq. Ft. each
2 Required
Design Series D

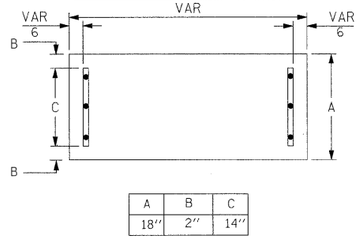
7.50 Sq. Ft. each
2 Required
Design Series D

PANEL SIGN DESIGN TYPE 2

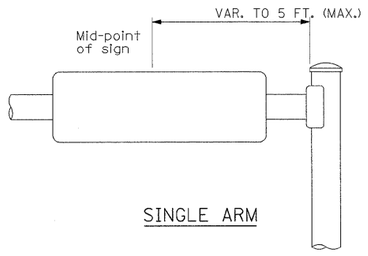


13.75 Sq. Ft. each
2 Required
Design Series D

SUPPORTING CHANNELS

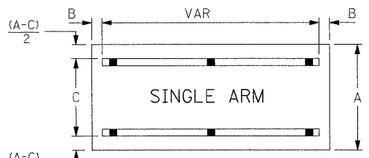


A	B	C
18″	2″	14″

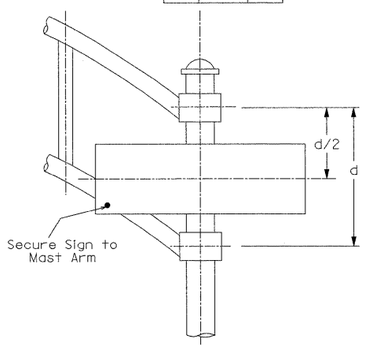


SINGLE ARM

SUPPORTING CHANNELS



A	B	C
18″	2″	12″
30″	2″	22″



DUAL ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECICIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR AN STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS A 2′-6″ BY 6′-0″ SIGN PANEL MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSFORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND. TYPE A SHEETING.
3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6′-0″.
4. ALL BORDERS SHALL BE ¾″ WIDE AND CORNER RADIUS SHALL BE 2½″.
5. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

A.K.T. CORPORATION
SCHAUMBURG, IL.

AMERICAN FABRICATION CO.
CHICAGO HEIGHTS, IL.

TUCKER COMPANY, INC.
WAUWATOSA. WI.

WESTERN TRAFFIC CONTROL INC.
CICERO, IL.

PARTS LISTING

SIGN CHANNEL	PART # HPN053 (MED. CHANNEL)
SIGN SCREWS	¼″ X 14 X 1″ H.W.H. #3 SELF TAPPING WITH NEOPREAM WASHER
BRACKETS	PART # HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

EXAMPLE, 2 (3) DENOTES ⅜″

Upper Case To Lower Case
Spacing Chart 8-6 inch Series "C & D"

FIRST LETTER	SECOND LETTER: acde goq		bhikl mnpru		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	1²	1⁴	1⁴	1⁵	1²	1⁴	0⁶	1⁰	1¹	1⁴	0⁶	1⁰	1¹	1²	1²	1⁴
B	1⁴	1⁵	2⁰	2¹	1⁴	1⁵	1¹	1²	1⁴	1⁵	1²	1⁴	1²	1⁴	1⁶	1⁷
C E G	1⁴	1⁵	2⁰	2¹	1²	1⁴	0⁶	1⁰	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵
D O Q R	1⁴	1⁵	2⁰	2¹	1⁴	1⁵	0⁶	1⁰	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵
F	0⁵	0⁶	1⁴	1⁵	0⁶	1⁰	0⁵	0⁶	0⁶	1⁰	0⁶	1⁰	0⁶	1⁰	1¹	1²
H I M N	2⁰	2¹	2²	2⁴	2⁰	2¹	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷	2⁰	2¹	2⁰	2¹
J U	2⁰	2¹	2⁰	2¹	1⁶	1⁷	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	2⁰	2¹
K L	1¹	1²	1⁶	1⁷	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1¹	1²	1²	1⁴
P	1²	1⁴	1⁴	1⁵	1²	1⁴	0⁵	0⁶	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴
S	1²	1⁴	1⁶	1⁷	1²	1⁴	0⁶	1⁰	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
T	1¹	1²	1⁶	1⁷	0⁶	1⁰	0⁶	1⁰	1¹	1²	1¹	1²	1¹	1²	1²	1⁴
V	0⁶	1⁰	1⁴	1⁵	1¹	1²	0⁶	1⁰	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
Y	0⁵	0⁶	1⁴	1⁵	0⁶	1⁰	0⁵	0⁶	0⁵	0⁷	0⁵	0⁶	0⁶	1⁰	1¹	1²
Z	1⁶	1⁷	2²	2⁴	1⁶	1⁷	1²	1⁴	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	2⁰	2¹

Lower Case To Lower Case
Spacing Chart 6 inch Series "C & D"

FIRST LETTER	SECOND LETTER: acde goq		bhikl mnpru		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
adhgij lmnqu	1⁶	1⁷	2²	2⁴	1⁶	1⁷	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷
bfkops	1²	1⁴	1⁶	1⁷	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴
ce	1²	1⁴	1⁶	1⁷	1²	1⁴	0⁶	1⁰	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
r	0⁶	1⁰	1²	1⁴	0⁶	1⁰	0³	0³	0⁵	0⁶	0⁵	0⁶	0⁶	1⁰	0⁶	1⁰
tz	1²	1⁴	1⁶	1⁷	1²	1⁴	0⁶	1⁰	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴
vy	1¹	1²	1⁴	1⁵	1¹	1²	0⁵	0⁶	0⁶	1⁰	0⁶	1⁰	1¹	1²	1¹	1²
w	1¹	1²	1⁴	1⁵	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1¹	1²	1²	1⁴
x	1²	1⁴	1⁶	1⁷	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1¹	1²	1²	1⁴

Number to Number
Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	SECOND NUMBER: 0		1		2		3		4		5		6		7		8		9	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1⁶	1⁷	1⁶	1⁷	1⁴	1⁵	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1⁶	1⁷	1²	1⁴	1⁶	1⁷	1⁶	1⁷
1	2⁰	2¹	2⁰	2¹	2⁰	2¹	1⁶	1⁷	1⁴	1⁵	2⁰	2¹	2⁰	2¹	1⁴	1⁵	2⁰	2¹	2⁰	2¹
2 3 4	1⁴	1⁵	1⁴	1⁵	1⁴	1⁵	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1¹	1²	1⁶	1⁷	1⁴	1⁵
5	1⁴	1⁵	1⁴	1⁵	1⁴	1⁵	1¹	1²	1¹	1²	1⁴	1⁵	1⁴	1⁵	1¹	1²	1⁴	1⁵	1⁴	1⁵
6	1⁶	1⁷	1⁴	1⁵	1⁴	1⁵	1²	1⁵	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1¹	1²	1⁴	1⁵	1⁴	1⁵
7	1²	1⁴	1²	1⁴	1⁴	1⁵	1²	1⁵	0⁵	0⁶	1²	1⁴	1⁴	1⁵	1¹	1²	1⁴	1⁵	1²	1⁴
8	1⁶	1⁷	1⁶	1⁷	1⁴	1⁵	1²	1⁵	1²	1⁴	1⁴	1⁵	1⁶	1⁷	1²	1⁴	1⁶	1⁷	1⁴	1⁵

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS SERIES C	D	8 INCH UPPER CASE LETTERS SERIES C	D	LETTERS	6 INCH LOWER CASE LETTERS SERIES C	D
A	3⁶	5⁰	5⁰	6⁵	a	3⁵	4²
B	3²	4⁰	4³	5³	b	3⁵	4²
C	3²	4⁰	4³	5³	c	3⁵	4¹
D	3²	4⁰	4³	5³	d	3⁵	4²
E	3⁰	3⁵	4⁰	4⁷	e	3⁵	4²
F	3⁰	3⁵	4⁰	4⁷	f	2³	2⁶
G	3²	4⁰	4³	5³	g	3⁵	4²
H	3²	4⁰	4³	5³	h	3⁵	4²
I	0⁷	0⁷	1¹	1²	i	1¹	1¹
J	3⁰	3⁶	4⁰	5⁰	j	2⁰	2²
K	3²	4¹	4³	5⁴	k	3⁵	4²
L	3⁰	3⁵	4⁰	4⁷	l	1¹	1¹
M	3⁷	4⁵	5¹	6¹	m	6⁰	7⁰
N	3²	4⁰	4³	5³	n	3⁵	4²
O	3⁴	4²	4⁵	5⁵	o	3⁶	4³
P	3²	4⁰	4³	5³	p	3⁵	4²
Q	3⁴	4²	4⁵	5⁵	q	3⁵	4²
R	3²	4⁰	4³	5³	r	2⁶	3²
S	3²	4⁰	4³	5³	s	3⁶	4²
T	3⁰	3⁵	4⁰	4⁷	t	2⁷	3²
U	3²	4⁰	4³	5³	u	3⁵	4²
V	3⁵	4⁴	4⁷	6⁰	v	4²	4⁷
W	4⁴	5²	6⁰	7⁰	w	5⁵	6⁴
X	3⁴	4⁰	4⁵	5³	x	4⁴	5¹
Y	3⁶	5⁰	5⁰	6⁶	y	4⁶	5³
Z	3²	4⁰	4³	5³	z	3⁶	4³

NUMBER	6 INCH SERIES C	D	8 INCH SERIES C	D
1	1²	1⁴	1⁵	2⁰
2	3²	4⁰	4³	5³
3	3²	4⁰	4³	5³
4	3⁵	4³	4⁷	5⁷
5	3²	4⁰	4³	5³
6	3²	4⁰	4³	5³
7	3²	4⁰	4³	5³
8	3²	4⁰	4³	5³
9	3²	4⁰	4³	5³
0	3⁴	4²	4⁵	5⁵

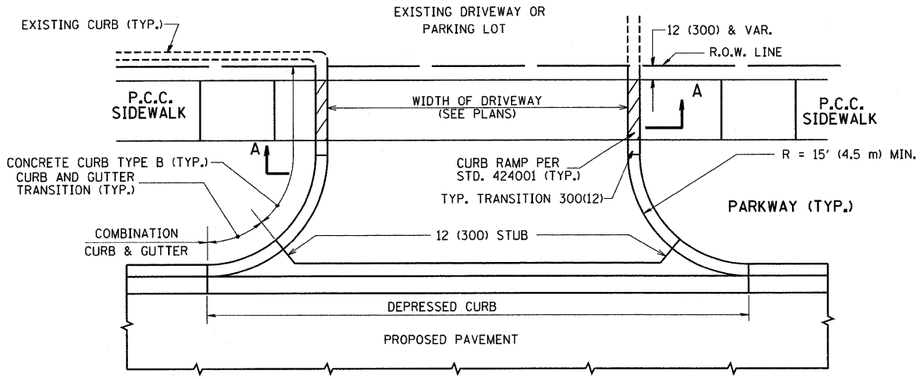
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - MAP	REVISED -
		DRAWN - JRH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - DEM	REVISED -
	PLOT DATE = $DATE$	DATE - 12-12-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

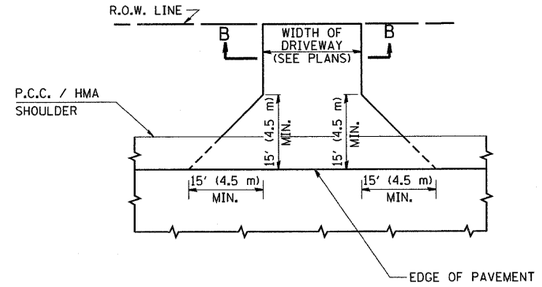
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

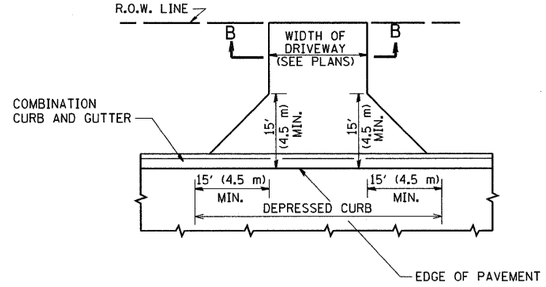
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	116
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		



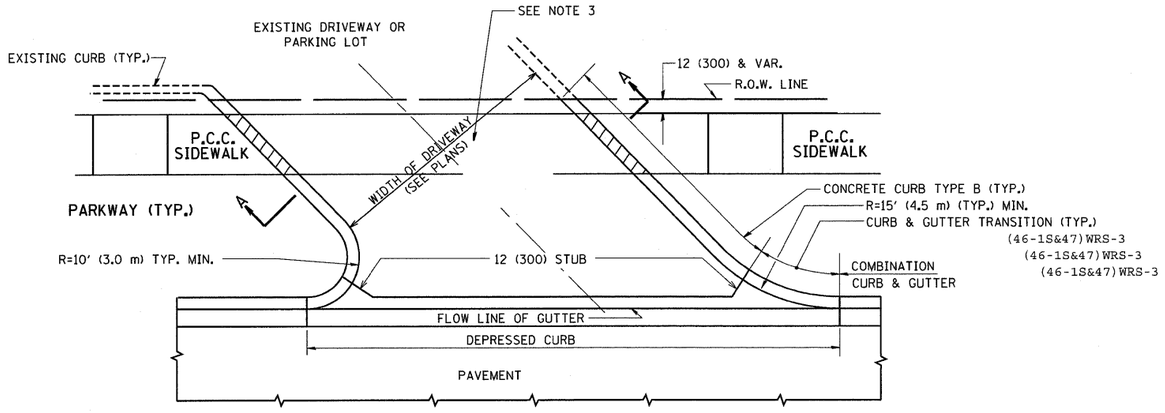
WITH CONCRETE CURB, TYPE B



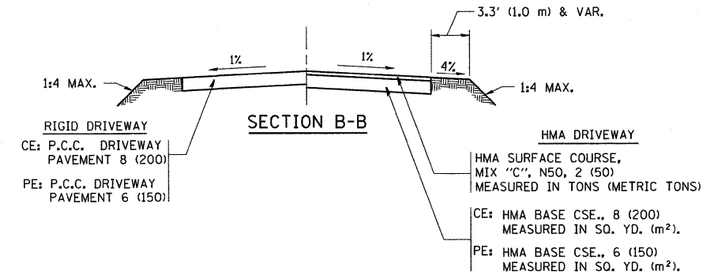
ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



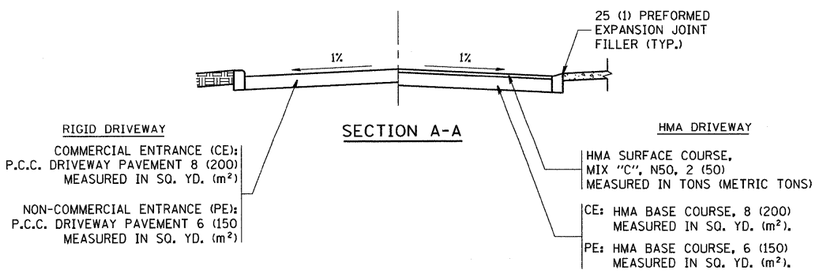
WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "C", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

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



GENERAL NOTES:

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

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

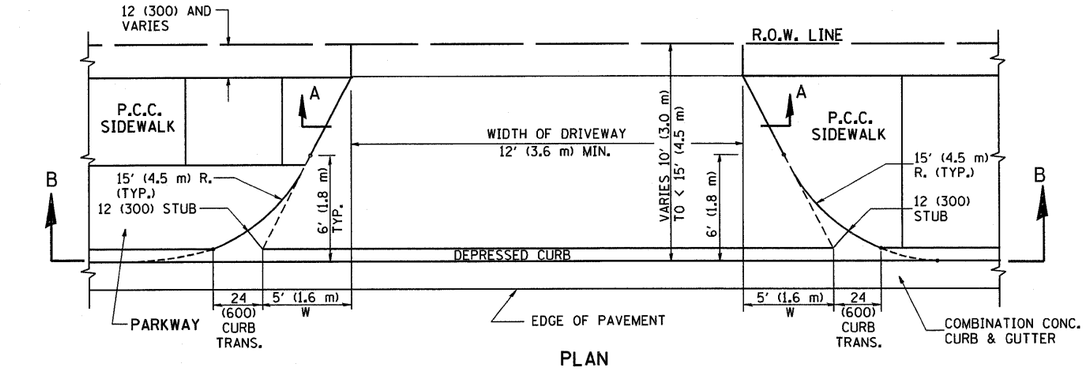
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

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

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

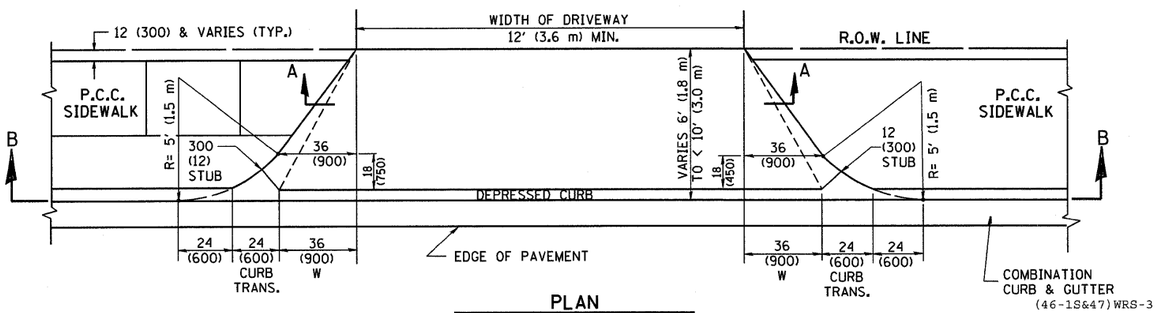
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME = c:\projects\diststd22x34\bd01.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - P. LaFLUER 04-15-03			344	(46-1S&47)WRS-3	LAKE	176	117
	PLOT SCALE = 49.9999 ' / IN.	CHECKED -	REVISED - R. BORO 01-01-07				BD0156-07 (BD-01)		CONTRACT NO. 60957	
	PLOT DATE = 6/12/2008	DATE - 11-04-95	REVISED - R. BORO 06-11-08		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



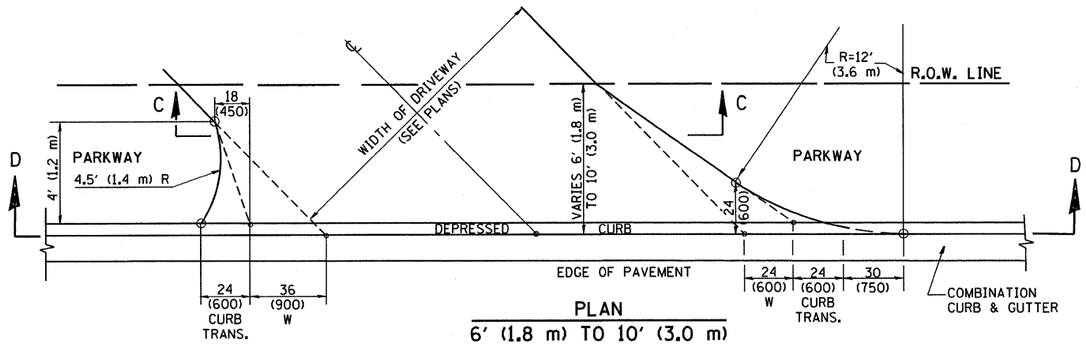
PLAN

10' (3.0 m) TO < 15' (4.5 m)



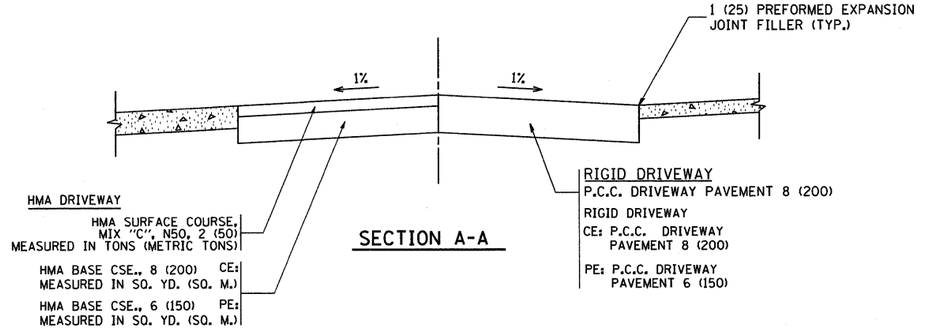
PLAN

6' (1.8 m) TO < 10' (3.0 m)

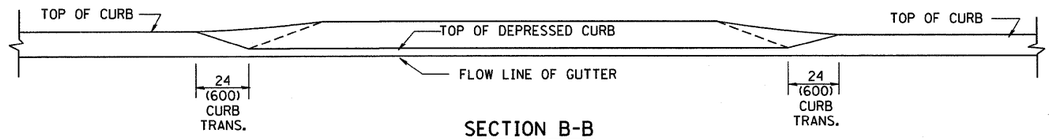


PLAN

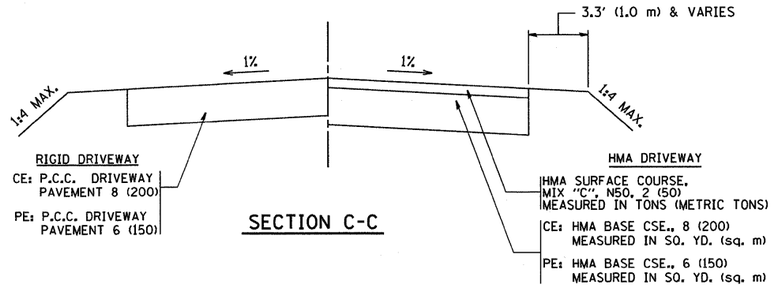
6' (1.8 m) TO 10' (3.0 m)



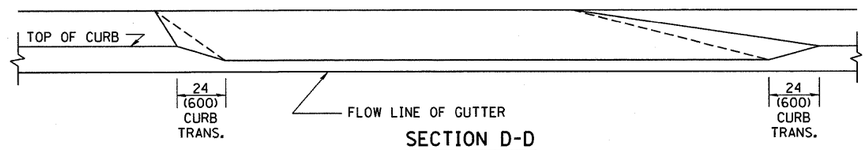
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

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

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

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

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

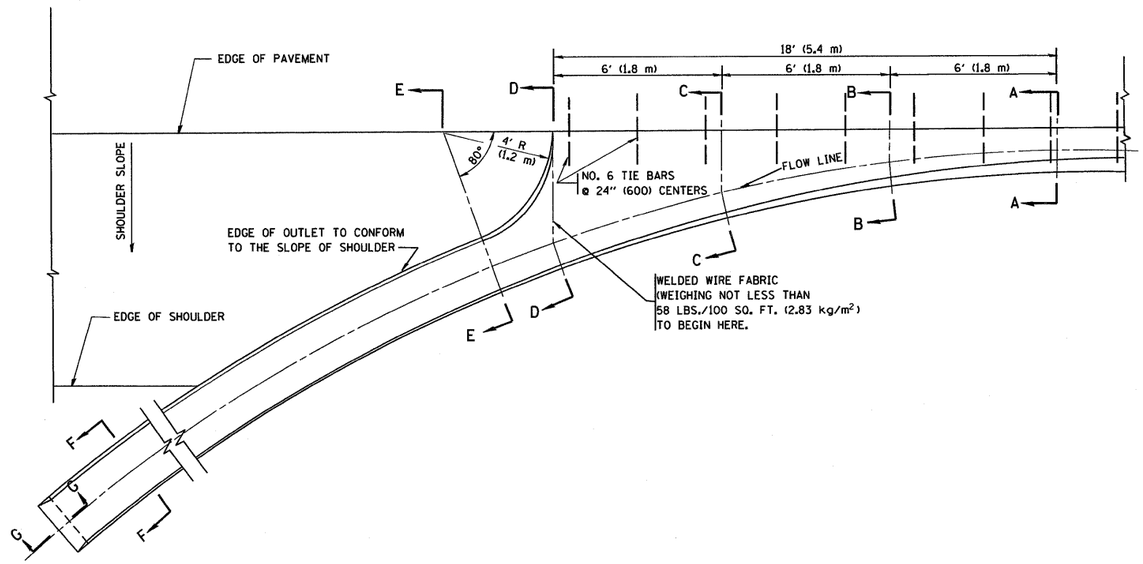
FILE NAME = W:\diststd\22x34\bd02.dgn	USER NAME = gaglionobt	DESIGNED - R. SHAH	REVISED - T. HOLTZ 04-08-97
		DRAWN -	REVISED - M. GOMEZ 04-06-01
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - P. LaFLEUR 04-15-03
	PLOT DATE = 1/4/2008	DATE - 11-06-95	REVISED - R. BORO 01-01-07

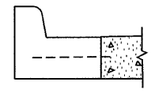
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

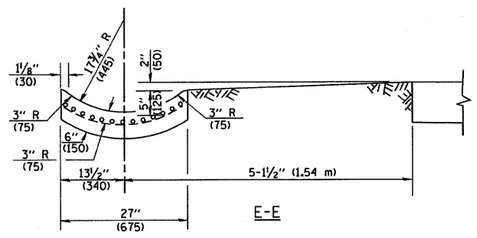
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47) WRS-3	LAKE	176	118
	BD400-02 (BD-02)	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



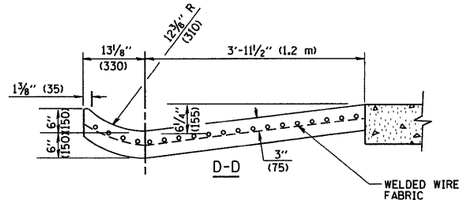


A-A *

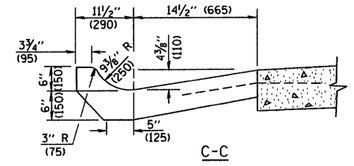
* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001.
FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



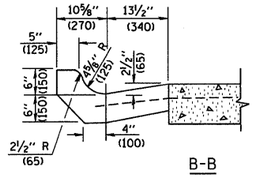
E-E



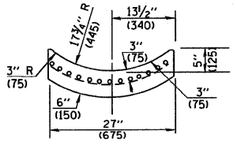
D-D



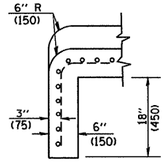
C-C



B-B



F-F



G-G

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.

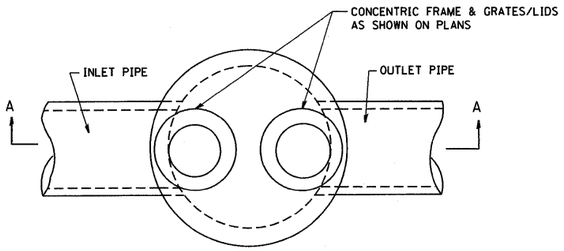
IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

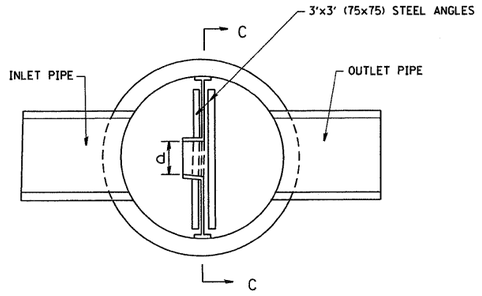
FOR SECTION A-A TO E-E AND CURTAIN WALL=
1.25 CU. YDS. (0.96 m^3) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.
1.27 CU. YDS. (0.96 m^3) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.
FOR SECTION F-F=
0.045 CU. YDS. (0.03 m^3) CLASS SI CONCRETE PER ft. (m).

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

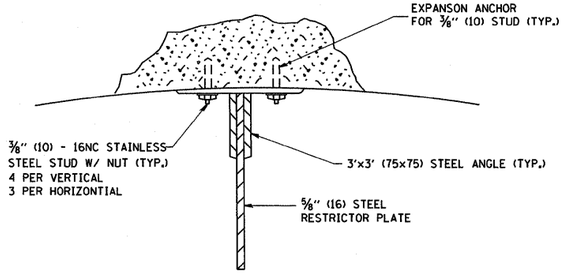
FILE NAME = W:\diststd\22x34\bd03.dgn	USER NAME = gaglionobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OUTLET FOR CONCRETE CURB AND GUTER			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. SHAH 10-25-94					344	(46-15+47) WRS-3	LAKE	176	119
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - E. GOMEZ 12-21-00						BD600-01 (BD-03)	CONTRACT NO. 60957		
	PLOT DATE = 1/4/2008	DATE - 08-04-86	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



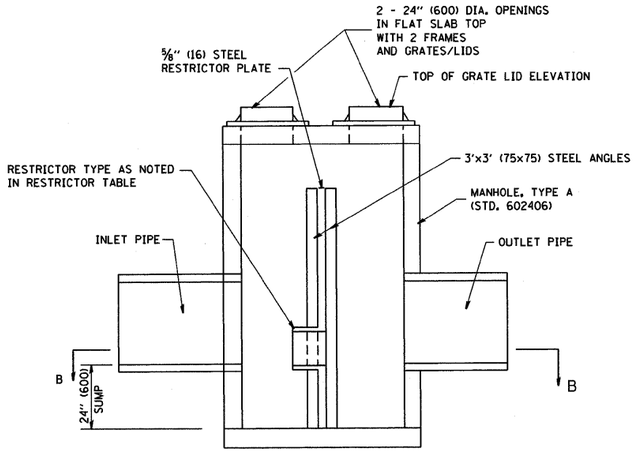
PLAN



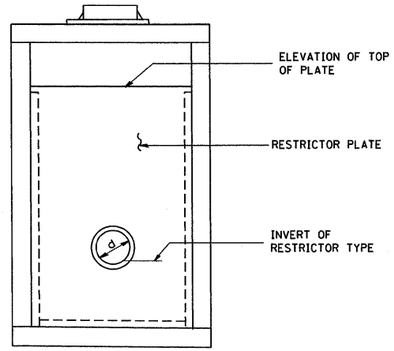
SECTION B-B



ANGLE FASTENER DETAIL



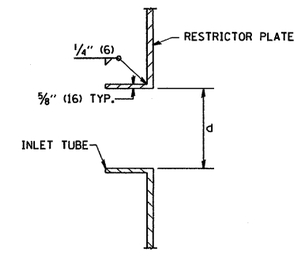
SECTION A-A



SECTION C-C

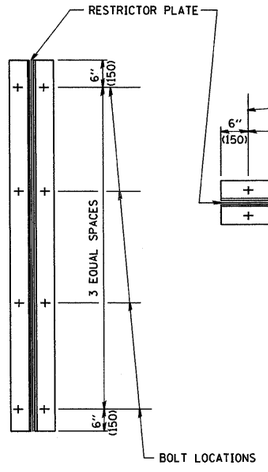
NOTES:

1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
3. BASIS OF PAYMENT: "MANHOLES ,TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH

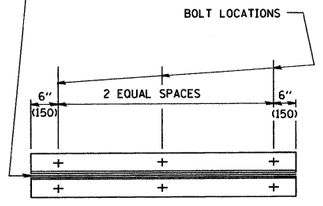


INLET TUBE DETAIL

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW



TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL



TYPICAL HORIZONTIAL ANGLES LOOKING TOWARD BOTTOM OF MANHOLE

TOTAL BOLTS REQUIRED: 22

NOTE:

1. ANGLES SHOULD BE 3x3x⅜ (75x75x75)
2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTIAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: ½ TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-½ DIA.	LENGTH: 2-½ DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

STEEL ANGLE BOLTING DETAILS

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

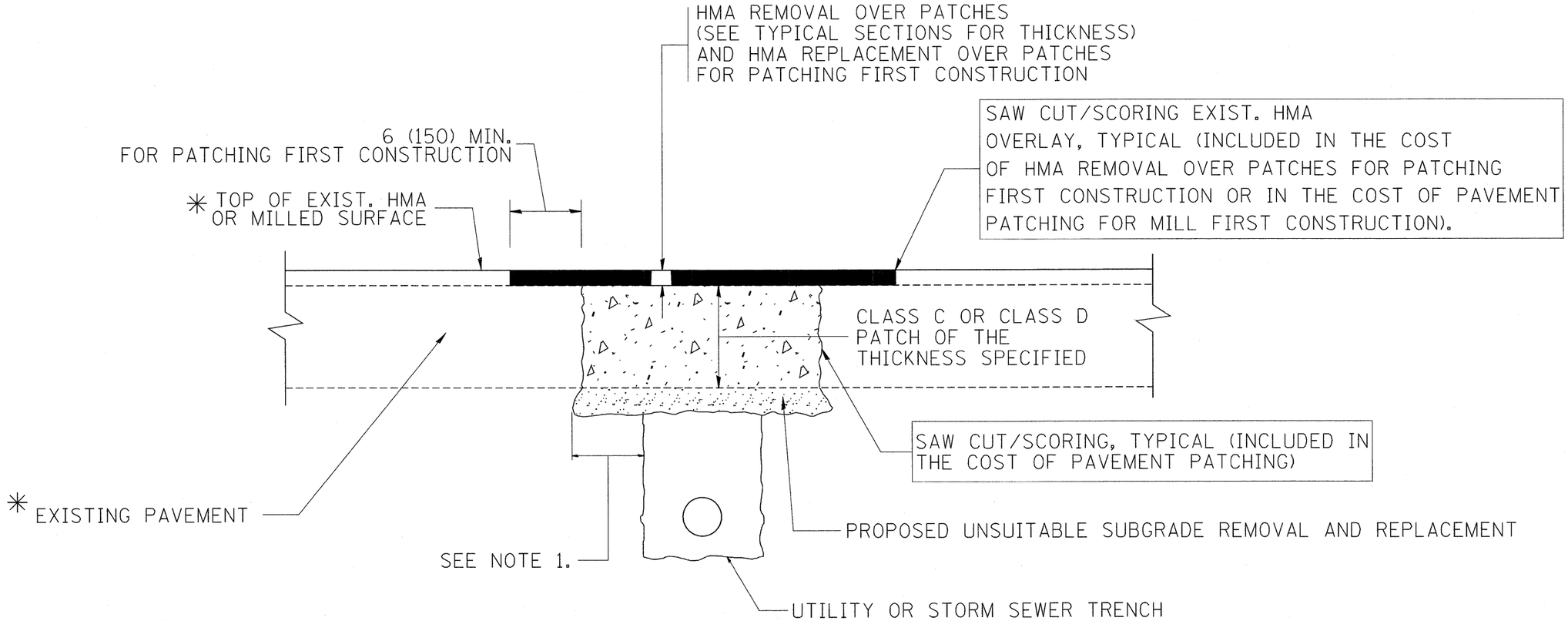
FILE NAME = W:\diststd\22x34\bdl2.dgn	USER NAME = gaglionobt	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - E. GOMEZ 08-28-00
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-08-01
	PLOT DATE = 1/4/2008	DATE - 09-09-94	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	120
	BD600-04 (BD-12)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

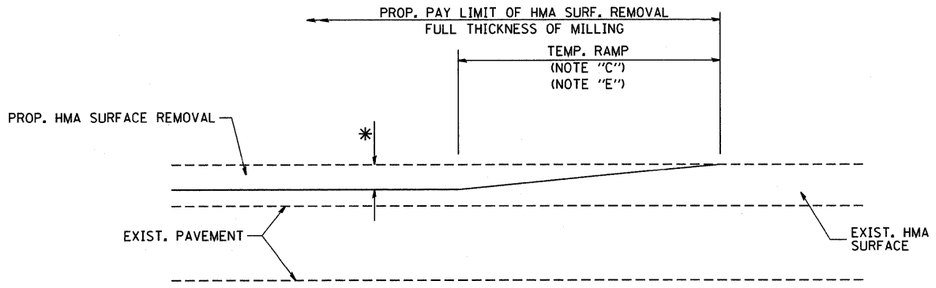
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

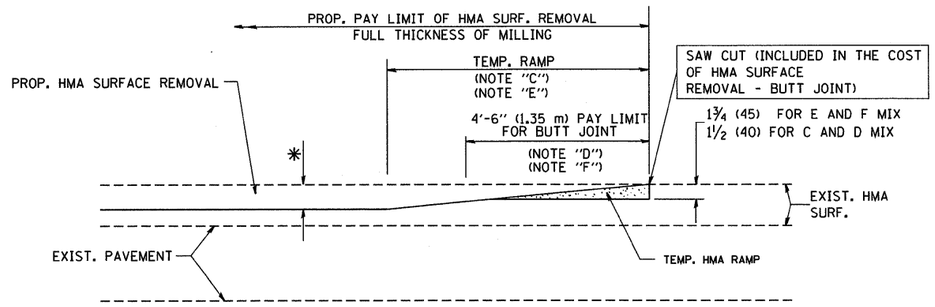
FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07					344	(46-15+47) WRS-3	LAKE	176	121
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07						BD400-04 (BD-22)	CONTRACT NO. 60957		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

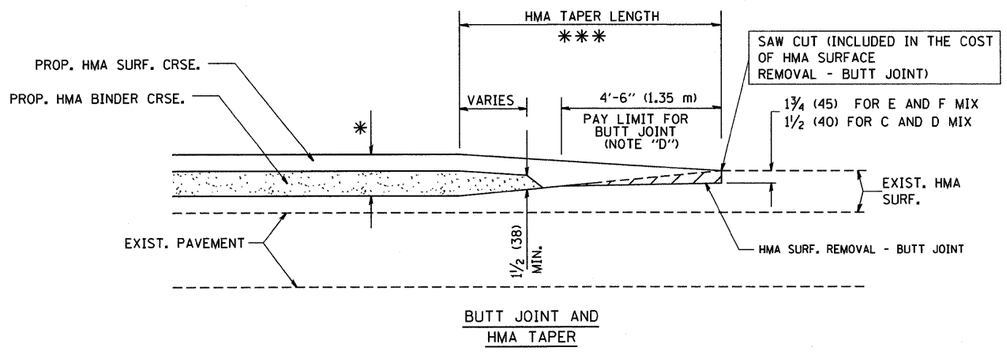


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

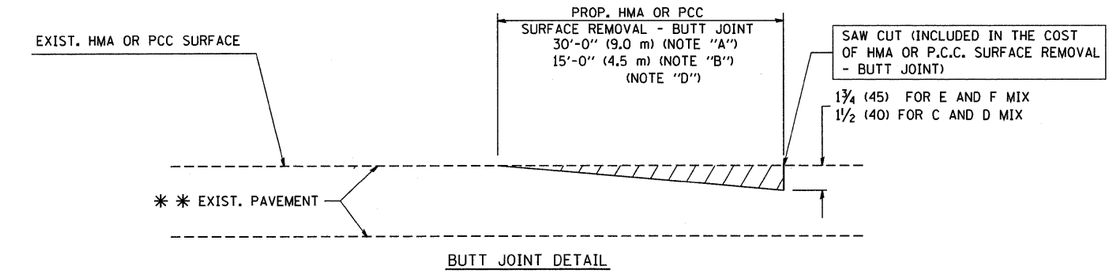
OPTION 2

TYPICAL TEMPORARY RAMP

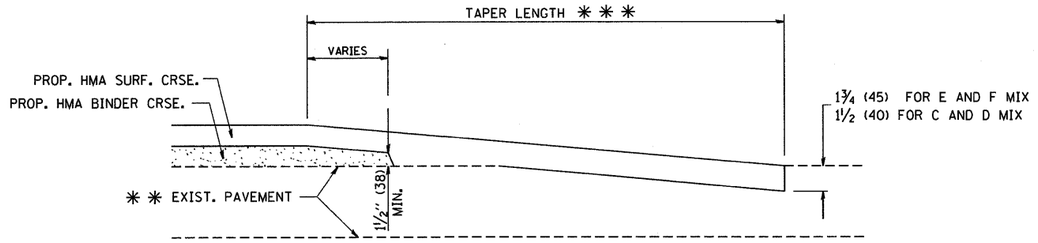


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

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

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

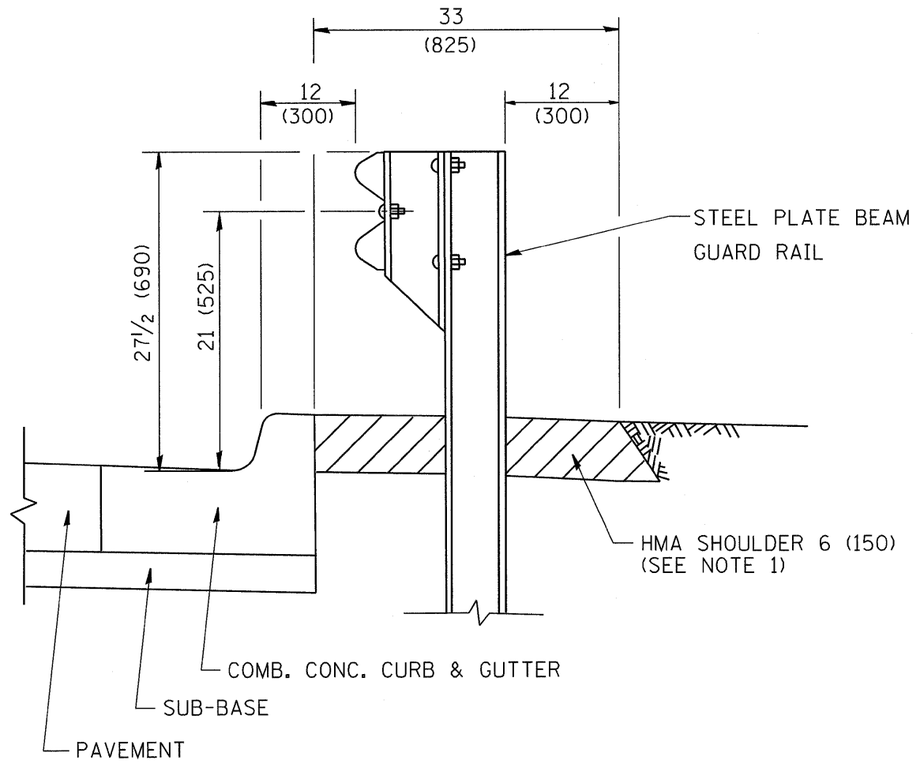
FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	122
	BD400-05 BD32	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES: 1. THE HMA SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL

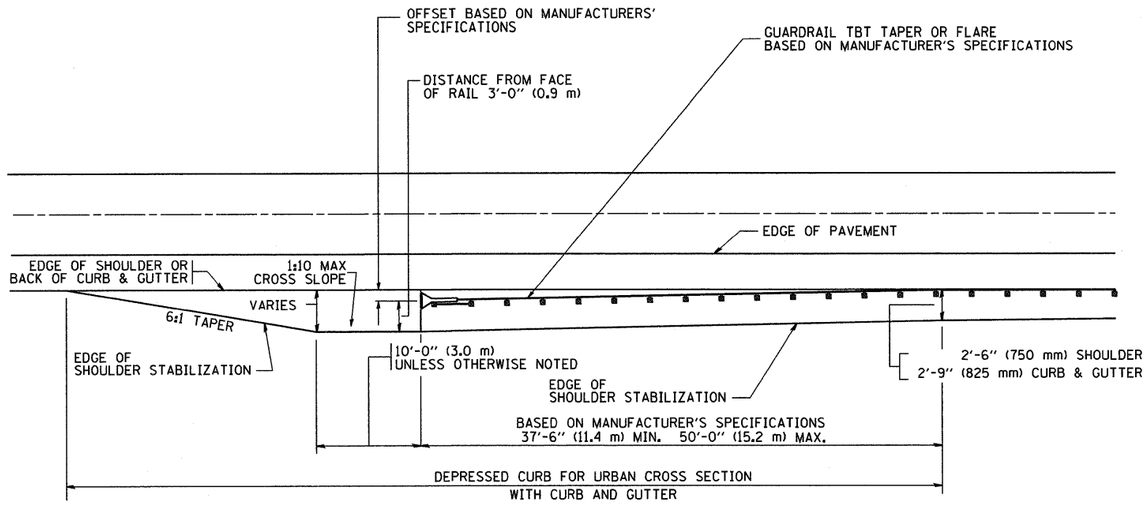
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: HMA SHOULDER 6 (150) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDER 6" (150 mm)".

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

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

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



STABILIZATION AT TBT TY. 1 SPL.

TBT = TRAFFIC BARRIER TERMINAL

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

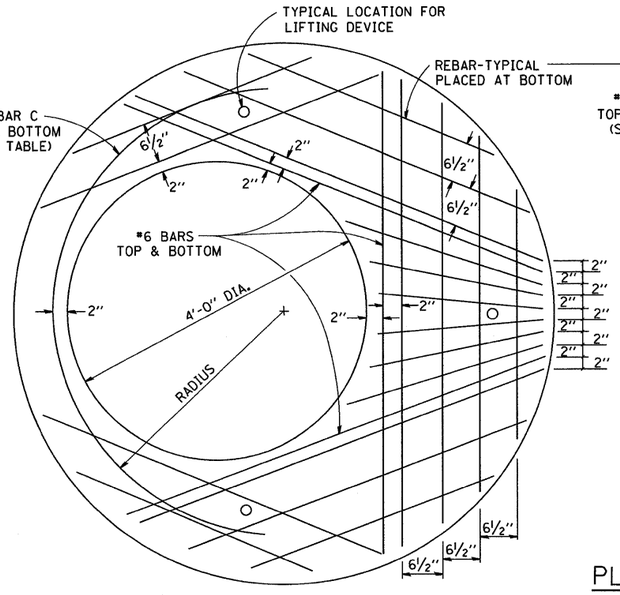
FILE NAME = W:\diststd\22x34\bd34.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 02-23-95
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - E. GOMEZ 08-28-00
	PLOT DATE = 1/4/2008	DATE - 09-22-90	REVISED - R. BORO 01-01-07

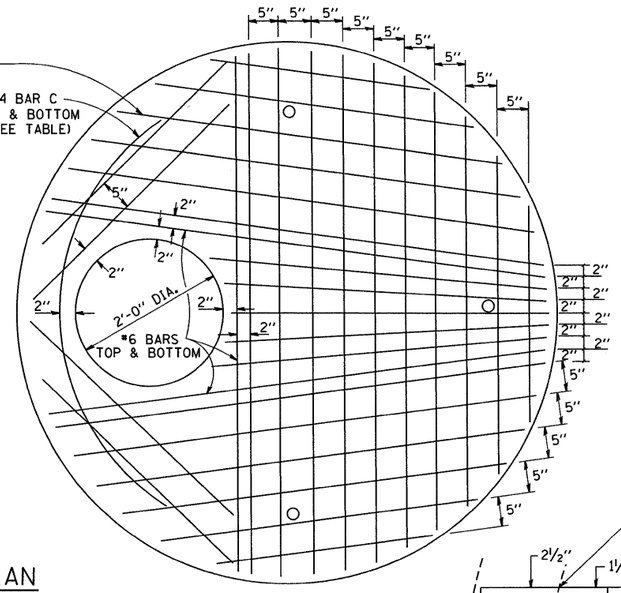
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER STABILIZATION AT TBT TY 1 SPL.

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

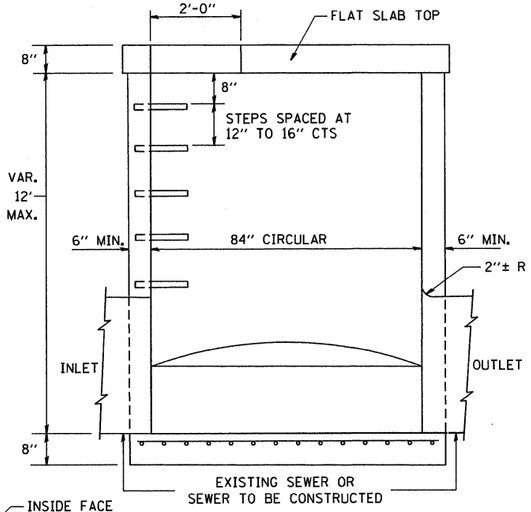
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	123
	BD600-10 (BD 34)	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





PLAN

SHOWING REBAR REINFORCEMENT



ELEVATION

GENERAL NOTES

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

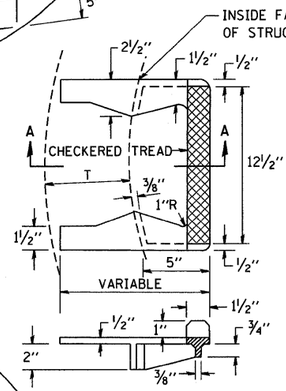
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

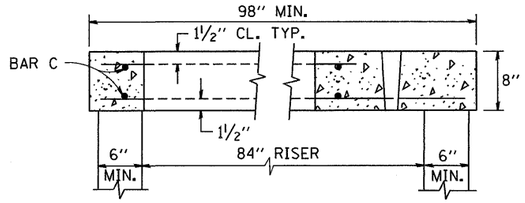
JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.



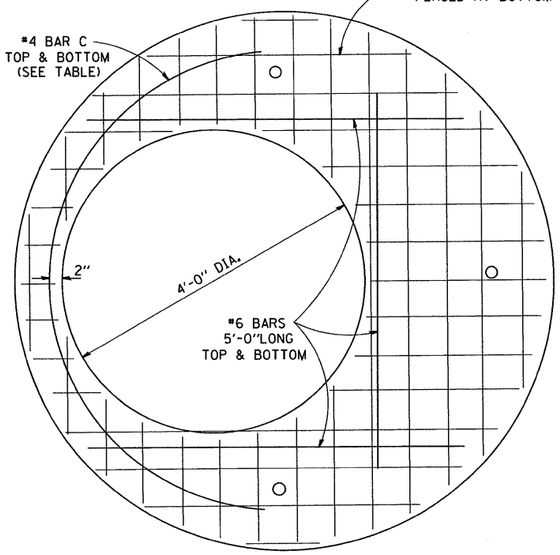
SEC. A-A

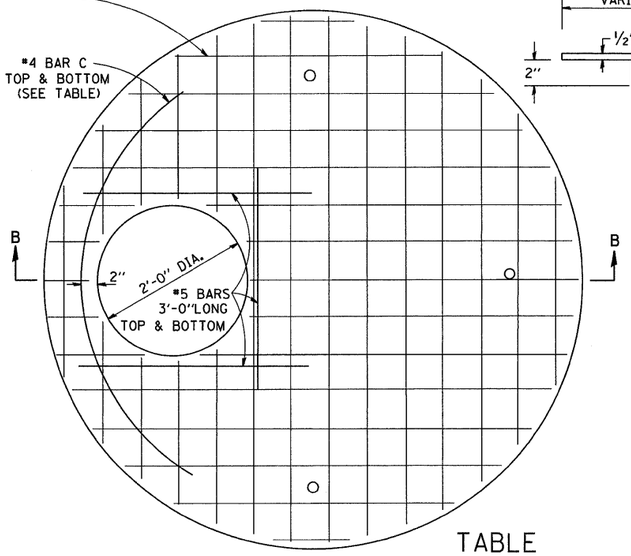
CAST IRON STEPS



SECTION B-B

ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"





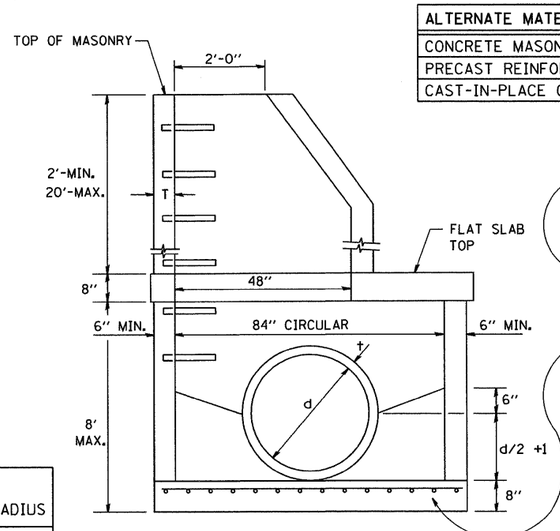
PLAN

SHOWING WELDED WIRE FABRIC REINFORCEMENT

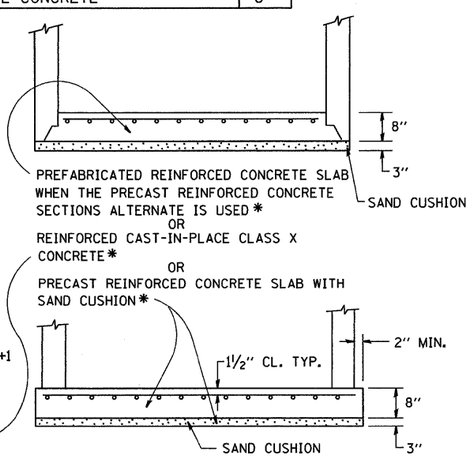
NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.

TABLE

DIAMETER OF OPENING	REINFORCEMENT "As" WWF OR EACH DIRECTION	BAR SIZE	BAR C SIZE	BAR C LENGTH	BAR C RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"



ELEVATION



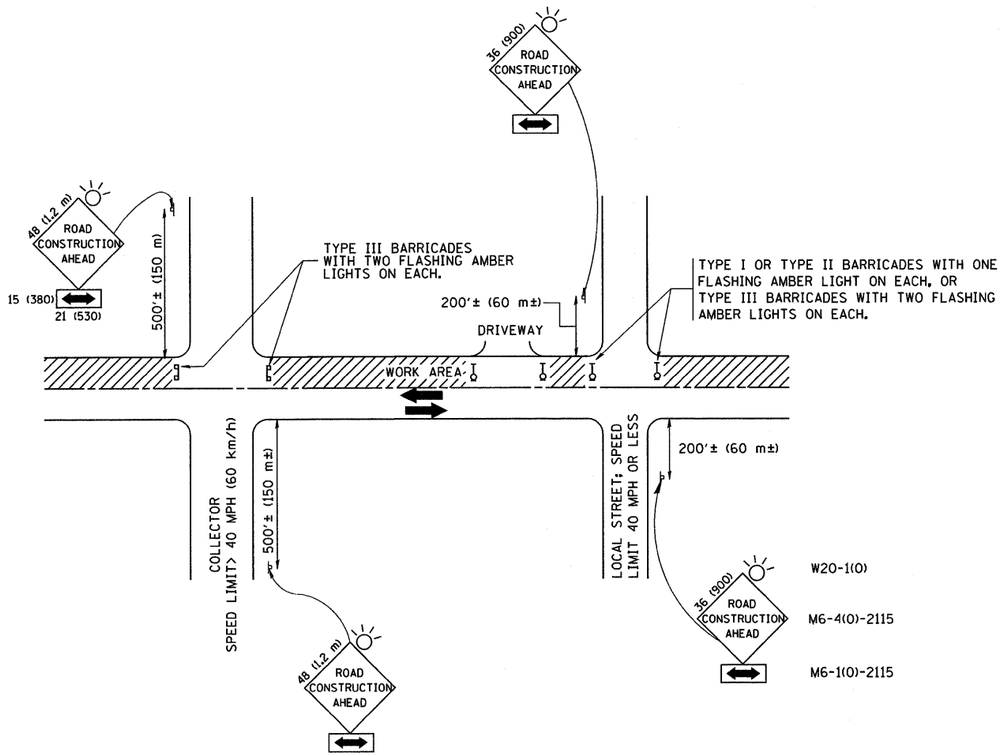
FILE NAME = W:\diststd\22x34\bd37.dgn	USER NAME = gaglenobt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE - 10-18-02	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE TYPE A
7 FOOT DIAMETER

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15F47) WRS-3	LAKE	176	124
BD600-11	(BD-37)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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:

   a) 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 I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. 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.

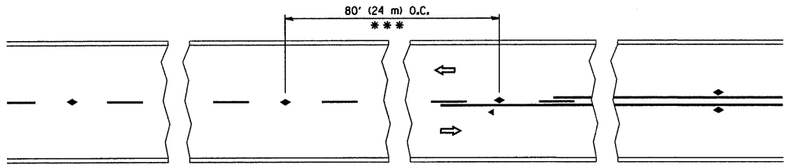
FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = geglenobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

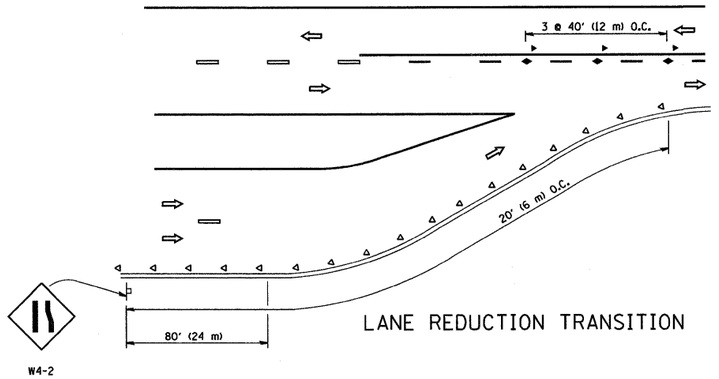
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	125
	TC-10	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

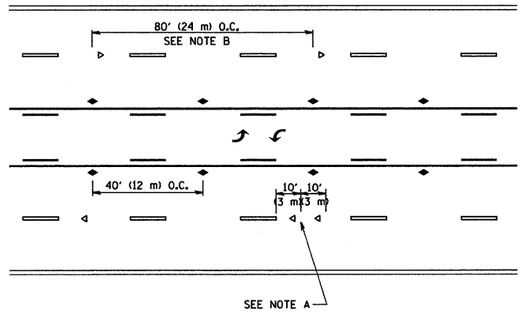


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

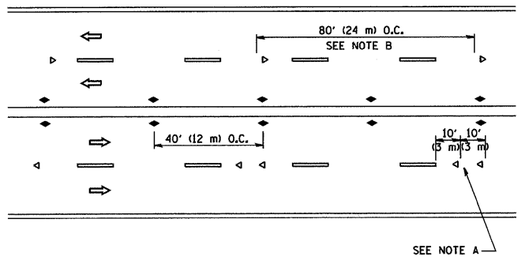
TWO-LANE/TWO-WAY



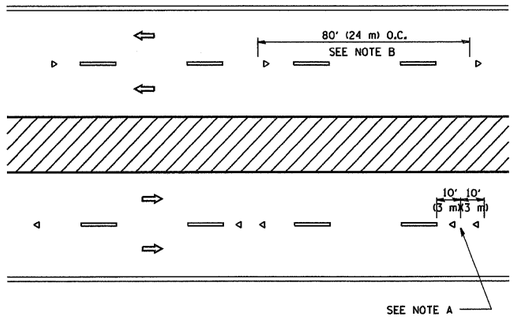
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

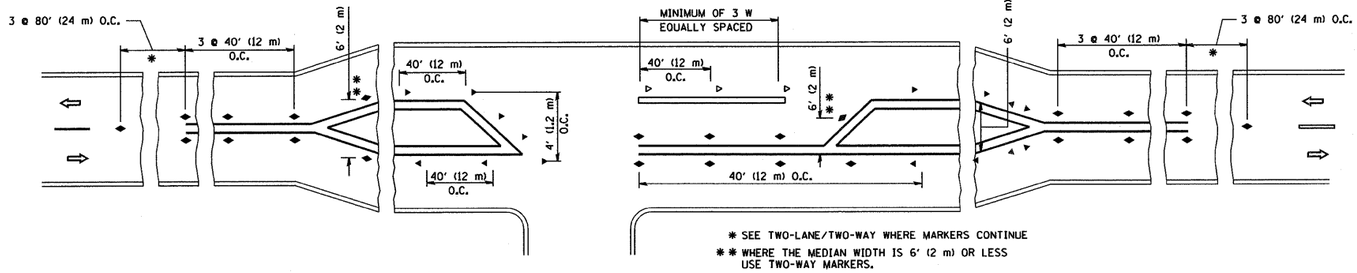
LANE MARKER NOTES

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.

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

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



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

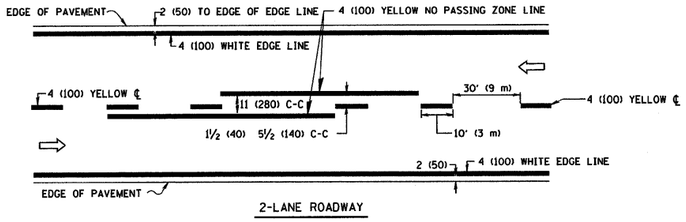
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

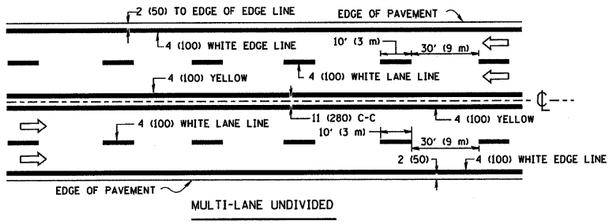
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tc11.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
		DRAWN -	REVISED - T. RAMMACHER 03-12-99		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 1/4/2008	DATE -	REVISED -		

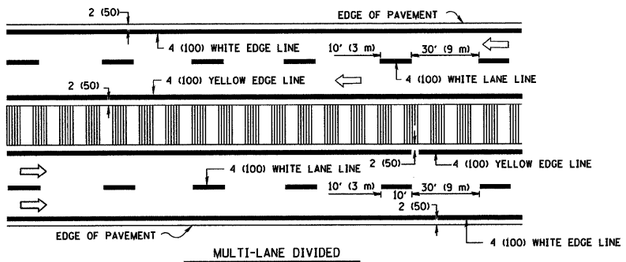
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	126
	TC-11	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



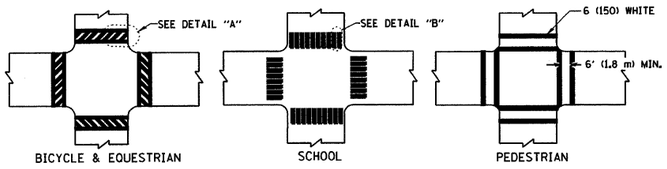
MULTI-LANE UNDIVIDED

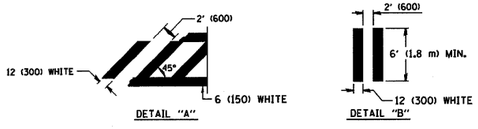


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

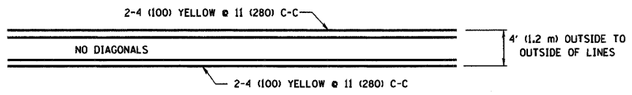
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

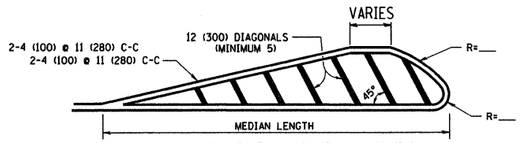




TYPICAL CROSSWALK MARKING



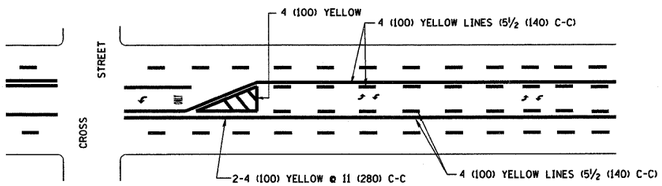
4' (1.2 m) WIDE MEDIANS ONLY



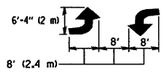
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

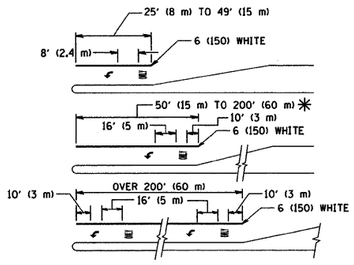


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

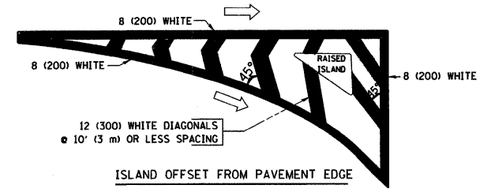


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

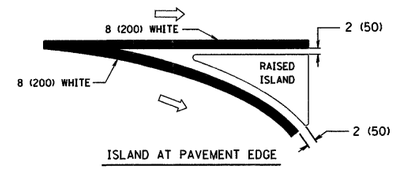
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

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

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

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

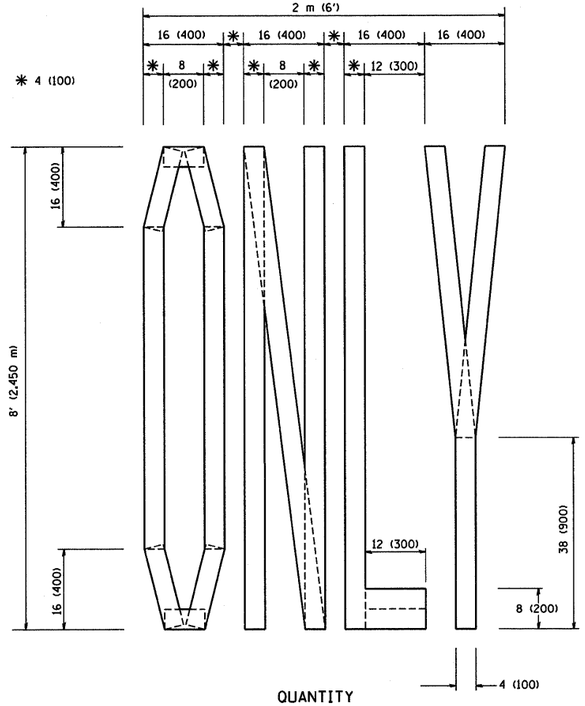
FILE NAME = W:\diststd\22x34\tc13.dgn	USER NAME = gaglianobt	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
		DRAWN -	REVISED -A. HOUSEH 10-09-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

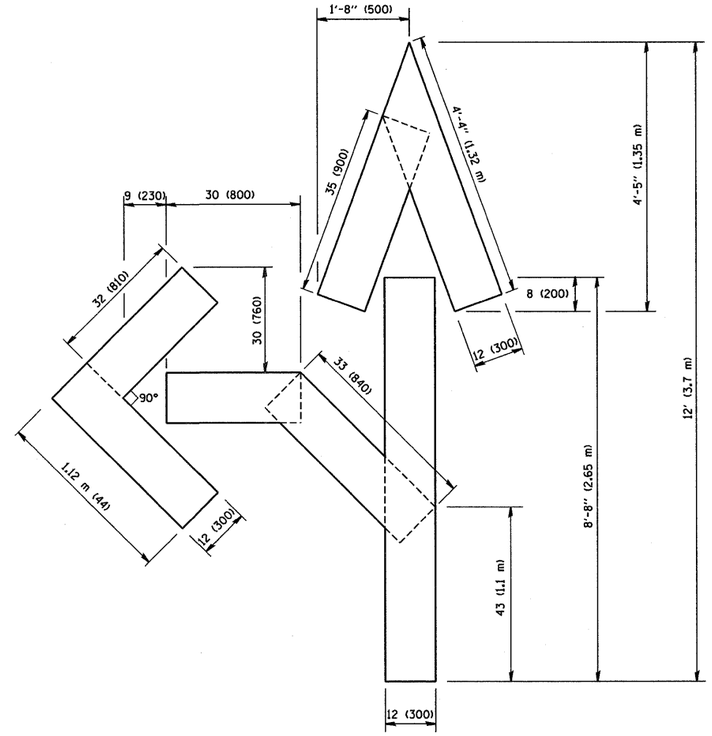
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

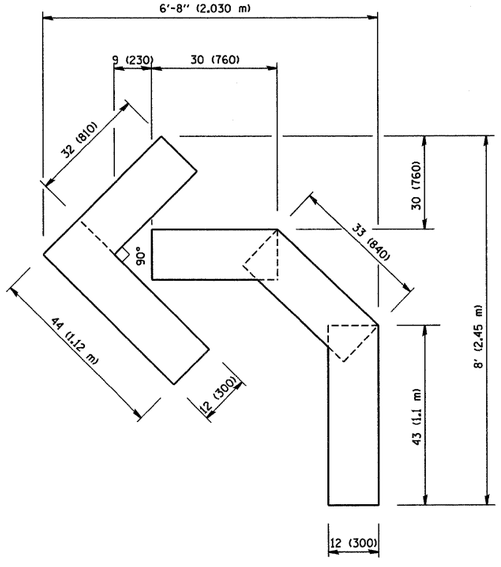
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	127
	TC-13	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



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

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

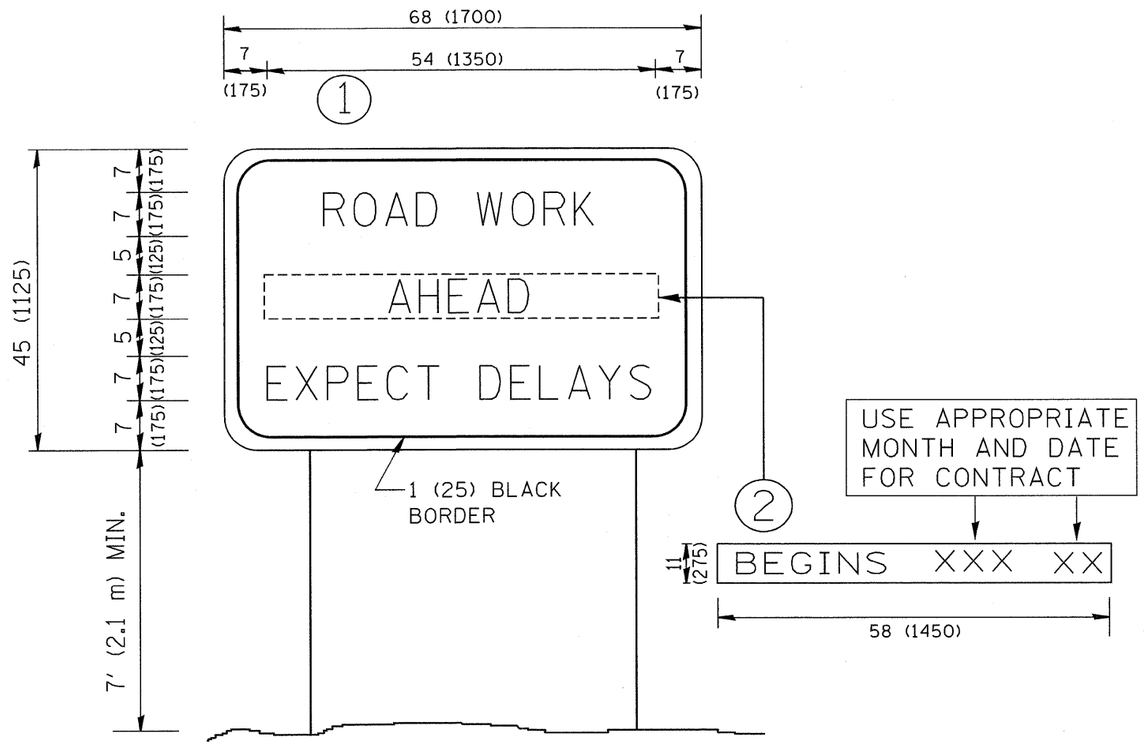
FILE NAME = W:\diststd\22x34\tc16.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S + 47) WRS-3	LAKE	176	128
	TC-16	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	128A
	TC-22	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

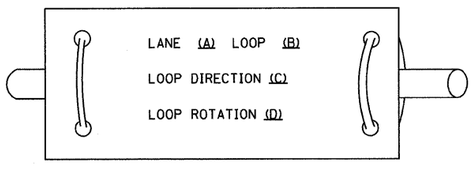
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

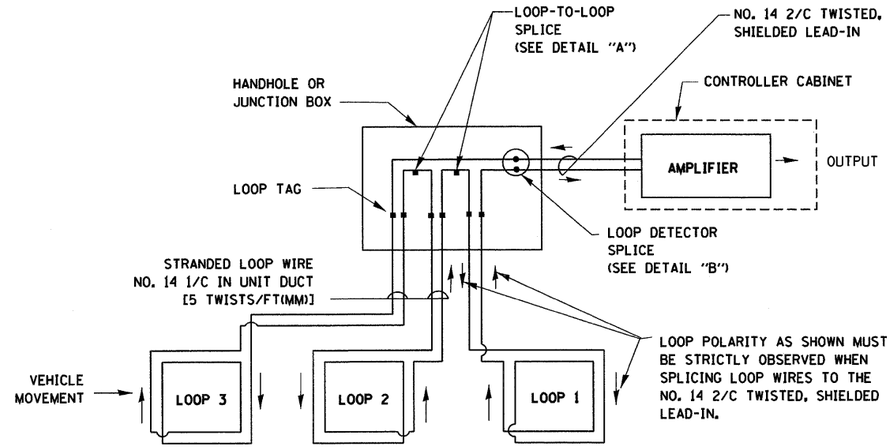


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

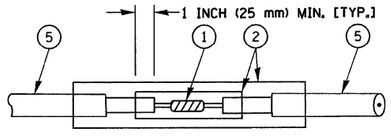
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

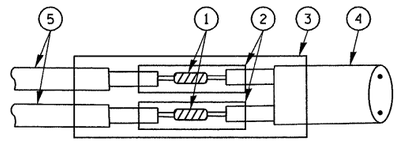


DETECTOR LOOP WIRING SCHEMATIC

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



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

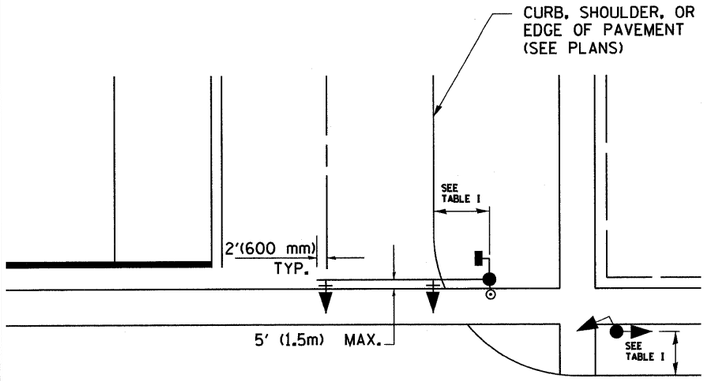
(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

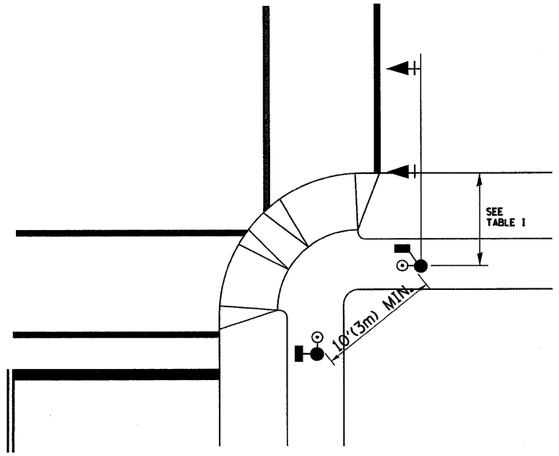
FILE NAME = W:\diststd\22x34\ts05.dgn	USER NAME = gaglianobt	DESIGNED - D.A.D.	REVISED - 11-12-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - R.W.P.	REVISED - BUR. TRAFFIC 01-01-02					344	(46-15+47) WRS-3	LAKE	176	129
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - D.A.Z.	REVISED -						TS-05	CONTRACT NO. 60957		
	PLOT DATE = 1/4/2008	DATE - 05-30-00	REVISED -		SCALE: NONE	SHEET NO. 1 OF 4 SHEETS	STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

1. AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

   AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

   PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

   A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.

   B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.

   C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

   D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).

   E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK

2. PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.

3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.

4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

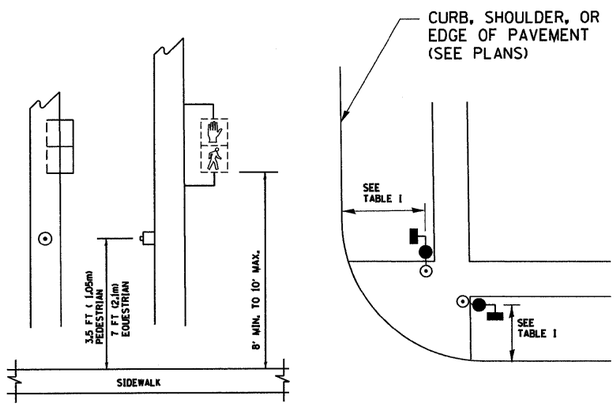


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

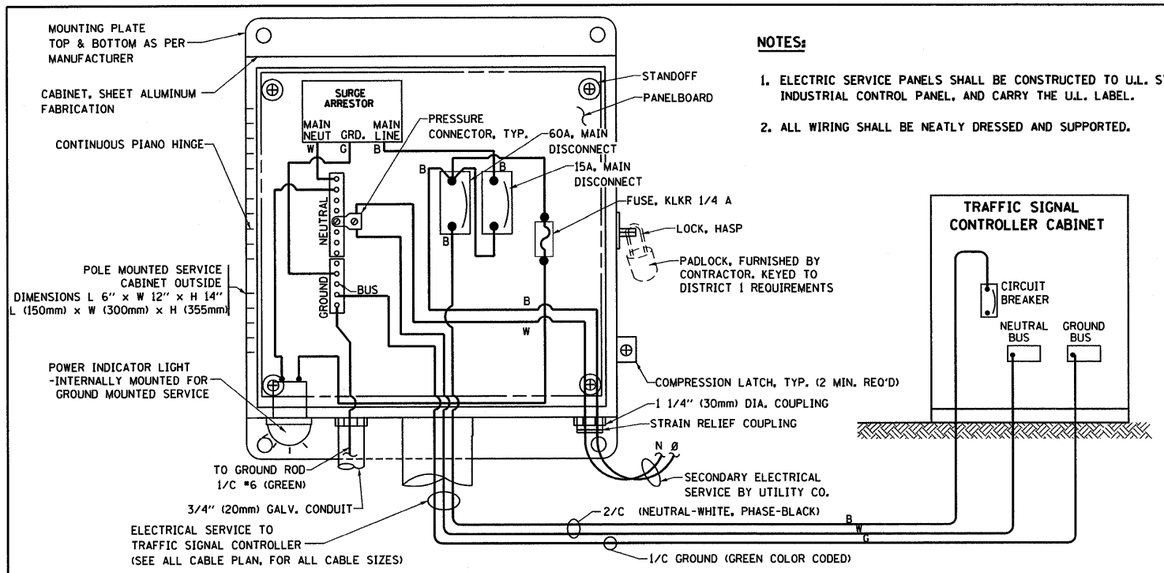
FILE NAME = W:\diststd\22x34\ts05.dgn	USER NAME = gaglionobt	DESIGNED - D.A.D.	REVISED - BUR. TRAFFIC 01-01-02
		DRAWN - R.W.P.	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - D.A.Z.	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA.

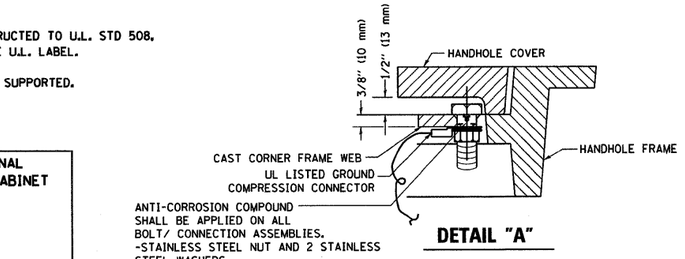
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	130
	TS-05	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



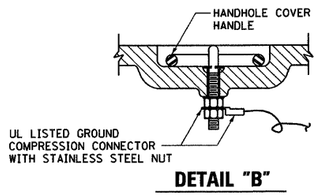
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)



DETAIL "A"



DETAIL "B"

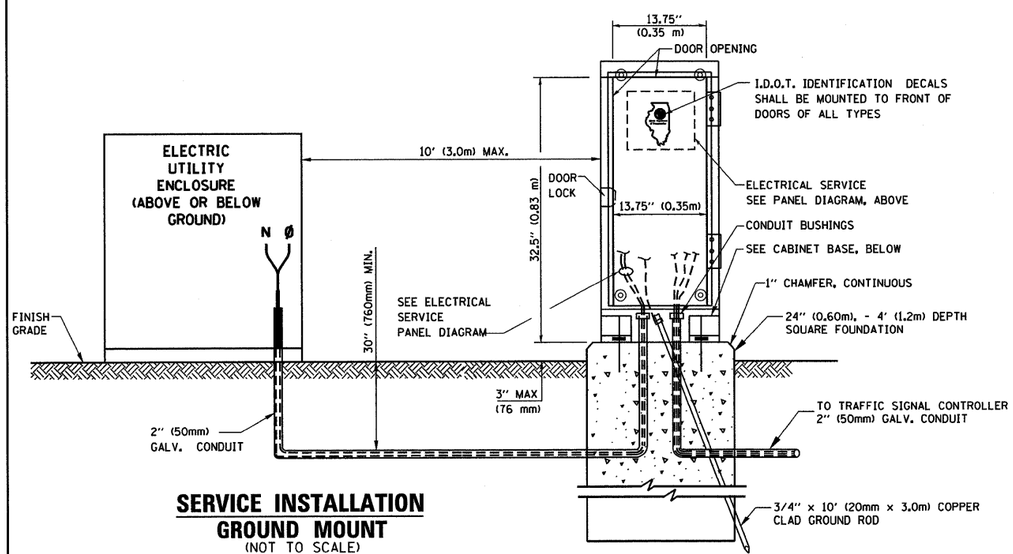
NOTES:

GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

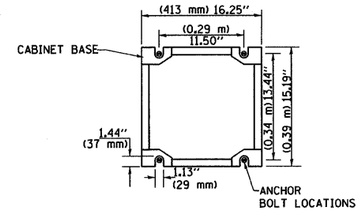
SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



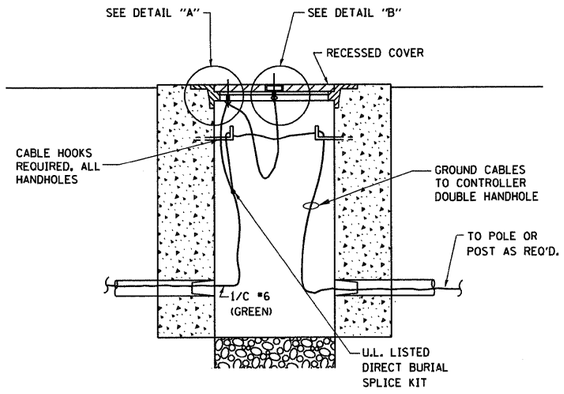
SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)



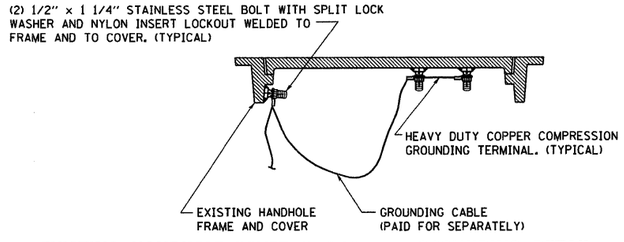
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



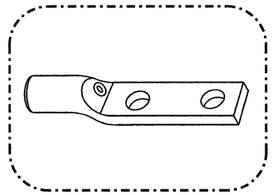
HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



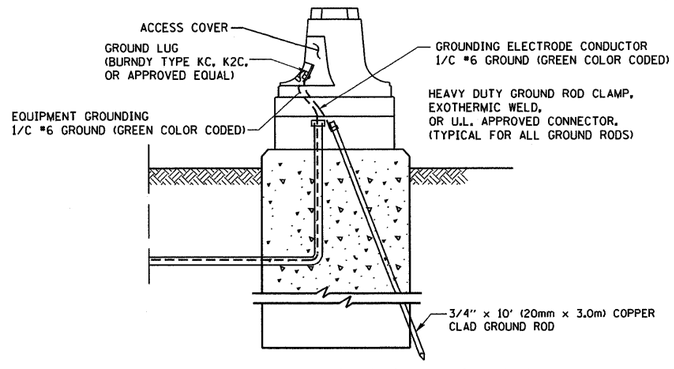
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EUAL)

NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



MAST ARM POLE / POST–GROUNDING DETAIL

(NOT TO SCALE)

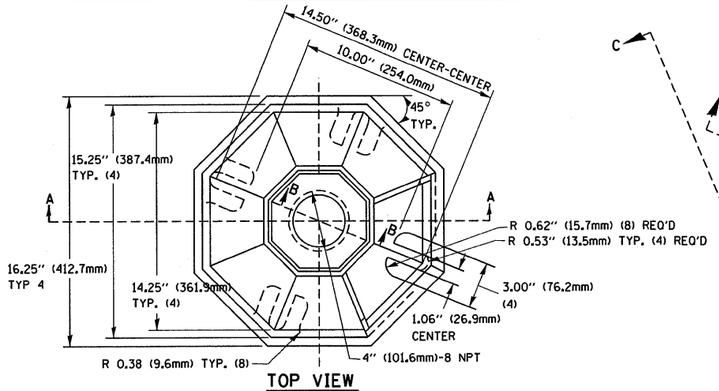
FILE NAME = W:\diststd\22x34\ts05.dgn	USER NAME = gaglianobt	DESIGNED - D.A.D.	REVISED - 03-15-01
		DRAWN - R.W.P.	REVISED - BUR. TRAFFIC 01-01-02
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - D.A.Z.	REVISED -
	PLOT DATE = 1/4/2008	DATE - 05-30-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

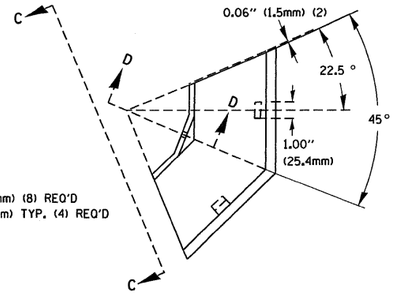
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

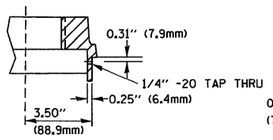
SCALE: NONE | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S+47) WRS-3	LAKE	176	131
	TS-05	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

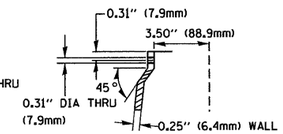


TOP VIEW

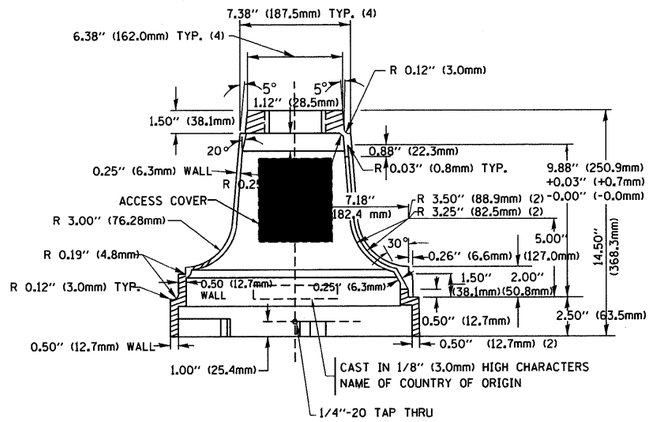




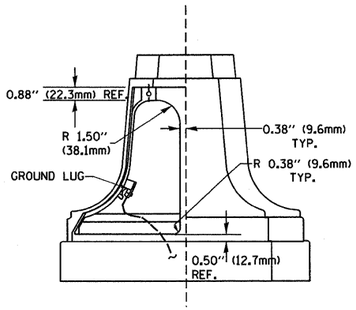
SECTION B-B



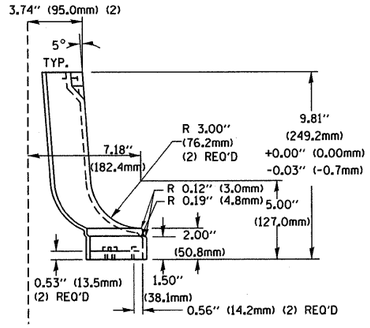
SECTION D-D



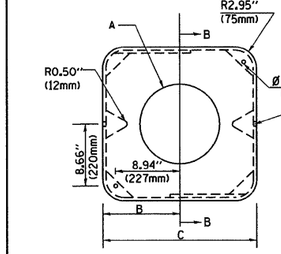
SECTION A-A

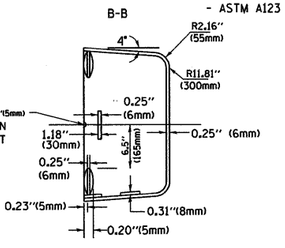


VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



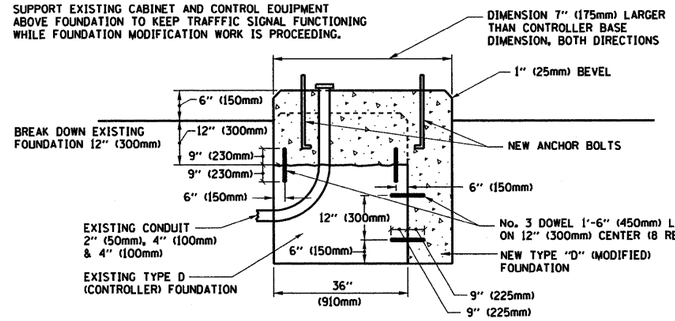


MATERIAL:
- ASTM A48 CLASS 30 GREY IRON
- ASTM A123 HOT DIPPED GALVANIZED

TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125"(257mm)	9.5"(241mm)	19"(483mm)	12" (300mm)	24kg
II	Ø 11.125"(283mm)	10.75"(273mm)	21.5"(546mm)	12" (300mm)	26kg

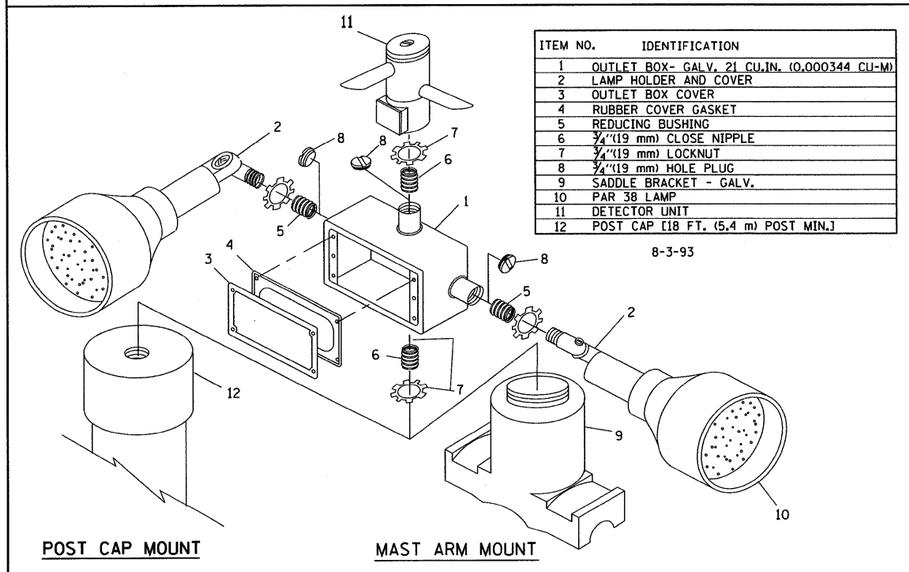
SHROUD DETAIL

NOTE:
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



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

8-3-93

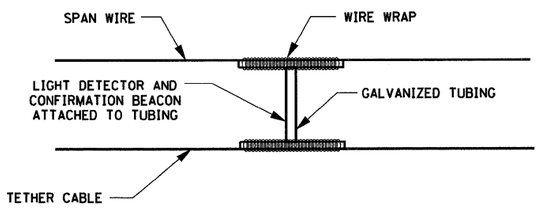
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

NOTES:

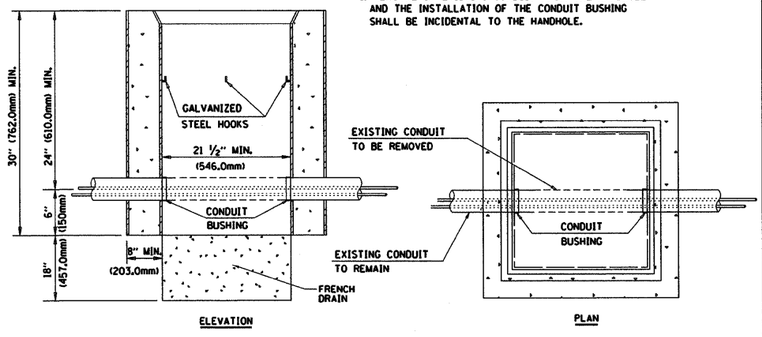
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A ¾"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)

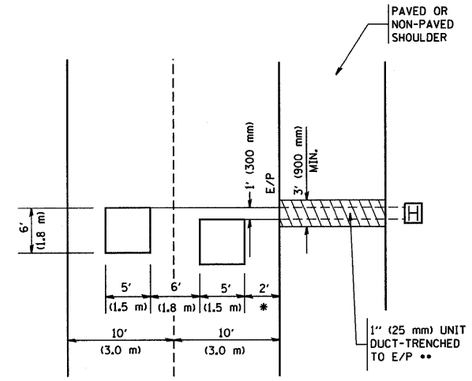
NOTES:
1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



DETAIL
HANDHOLE TO INTERCEPT EXISTING CONDUIT
N.T.S.

FILE NAME = W:\diststd\22x34\ts05.dgn	USER NAME = gaglionobt	DESIGNED - D.A.D.	REVISED - BUR.TRAFFIC 03-15-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - R.W.P.	REVISED - BUR.TRAFFIC 11-12-01			344	(46-15+47) WRS-3	LAKE	176	132
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - D.A.Z.	REVISED - BUR.TRAFFIC 01-01-02				TS-05	CONTRACT NO. 60957		
	PLOT DATE = 1/4/2008	DATE - 05-30-00	REVISED -		SCALE: NONE SHEET NO. 4 OF 4 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

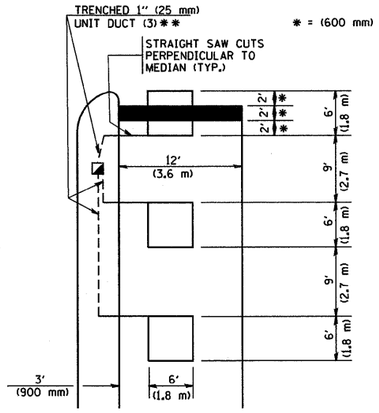


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

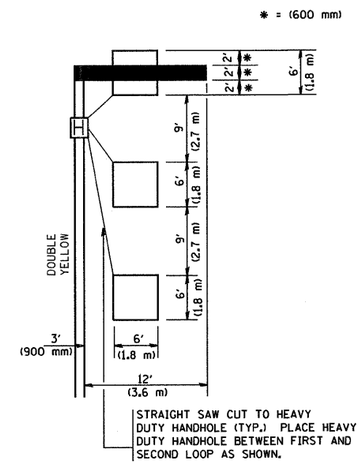


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

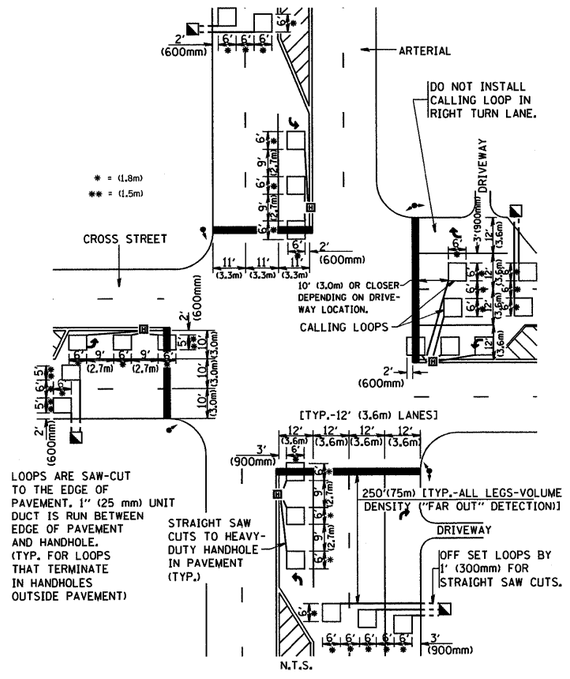
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



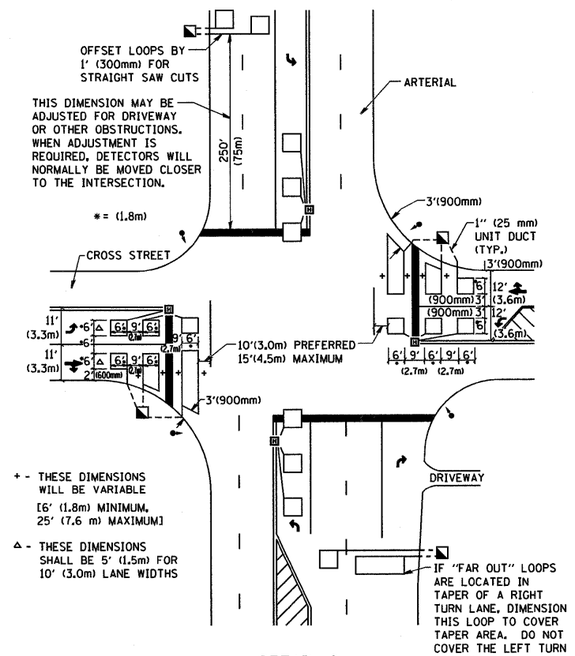
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	133
	TS-07	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1	5		5			8		8			11	11			14	18			18		22			22		26				26	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	CLEAR TO NORMAL SEQUENCE
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	2	3	
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3			◊
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R ◄Y	R	R	R	R	R	G ◄G	G ◄Y	G ◄G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET E/B FAR RIGHT SIGNAL	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R ◄Y	G ◄G	G ◄Y	G ◄G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
MAIN STREET W/B FAR RIGHT SIGNAL	R	G	G	G	Y	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◊
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄Y	R	R	R	R	R	G ◄G	Y	R	G ◄G	G ◄Y	G	Y	R	G	R	G	◊
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	Y	R	G	R	G	◊
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R ◄Y	G ◄G	Y	R	G ◄G	G ◄Y	R	R	R	R	R	G	Y	R	G	R	G	◊
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	R	R	R	R	R	G	Y	R	G	R	G	◊
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	FH	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◊
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	FH	H	H	FH	H	H	◊
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	FH	H	H	FH	H	H	◊

◊ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.

FILE NAME = W:\diststd\22x34\ts08.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION
SEQUENCE OF OPERATION – MAIN STREET AND CROSS STREET

SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	134
	TS-08	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

PROPOSED SEQUENCE OF OPERATION

MOVEMENT (N)	5 → 1	1 ↔ 6	5 → 2 ↔ 6	2 → 6	7 → 3	3 ↑ 8	4 ↓ 7	4 ↓ 8 ↑	FLASH
PHASE	1 + 5	1 + 6	2 + 5	2 + 6	3 + 7	3 + 8	4 + 7	4 + 8	
INTERVAL	1 2 3 4	5 6 7	8 9 10	11 12 13A 13B	14 15 16 17	18 19 20A 20B 21	22 23 24A 24B 25	26 27 28A 28B	
CHANGE TO	1+6 2+5 2+6	ϕ ϕ 2+6	ϕ ϕ 2+6	3+7 3+8 4+7 4+8	1+5 1+6 2+5 2+6 4+8 / 3+8 / 4+7	ϕ ϕ 1+5 1+6 2+5 2+6 / 4+8	ϕ ϕ 1+5 1+6 2+5 2+6 / 4+8	1+5 1+6 2+5 2+6	
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R G R Y R G R Y	R R R	G G G	G G Y R	R R R R	R R R R R	R R R R R	R R R R	R
MAIN STREET E/B FAR RIGHT SIGNAL	R R R R	R R R	G G G	G G Y R	R R R R	R R R R R	R R R R R	R R R R	R
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R G R G R Y R Y	G G G	R R R	G G Y R	R R R R	R R R R R	R R R R R	R R R R	R
MAIN STREET W/B FAR RIGHT SIGNAL	R R R R	G G G	R R R	G G Y R	R R R R	R R R R R	R R R R R	R R R R	R
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R R R R	R R R	R R R	R R R R	R G R Y R Y R G	R R R R R	G G Y R G Y	G G Y R	R
CROSS STREET S/B FAR RIGHT SIGNAL	R R R R	R R R	R R R	R R R R	R R R R	R R R R R	G G Y R G	G G Y R	R
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R R R R	R R R	R R R	R R R R	R G R Y R G R Y	G G G Y R Y	R R R R R	G G Y R	R
CROSS STREET N/B FAR RIGHT SIGNAL	R R R R	R R R	R R R	R R R R	R R R R	G G Y R G	R R R R R	G G Y R	R
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H H H H	•P ••FH H	H H H	•P ••FH H H	H H H H	H H H H H	H H H H H	H H H H	D
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H H H H	H H H	•P ••FH H	•P ••FH H H	H H H H	H H H H H	H H H H H	H H H H	A
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H H H H	H H H	H H H	H H H H	H H H H	•P ••FH H H H	H H H H H	•P ••FH H H	R
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H H H H	H H H	H H H	H H H H	H H H H	H H H H H	•P ••FH H H H	•P ••FH H H	K

- TO APPEAR ONLY UPON PUSHBUTTON ACTIVATION
•• FLASHING "🚶" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

ϕ THIS "🚶" OR FLASHING "🚶" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "🚶" OR FLASHING "🚶" INTERVALS. "🚶" AND FLASHING "🚶" TIMINGS TO BE SET ONLY ON PHASES WHERE "🚶" AND FLASHING "🚶" ARE INDICATED IN THE SEQUENCE OF OPERATION.

P = ILLUMINATED PERSON = WALK
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
H = ILLUMINATED SOLID HAND = DON'T WALK

PHASE 2+6 SHALL BE PLACED ON RECALL.

NLT = "NO LEFT TURN" OR 🚫

NRT = "NO RIGHT TURN" OR 🚫

PROPOSED RAILROAD PREEMPTION SEQUENCE OF OPERATION

	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 2
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1 5 8 11 14 18 22 26		
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	3	

RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1O	1R	1S	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	2	1K	2	2	1N	2	1O	2	1S	2	3	4	5		
MAIN STREET E/B END MAST ARM AND FAR LEFT SIGNALS	R Y	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△
MAIN STREET E/B FAR RIGHT SIGNAL	R	Y	R	R	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	△
MAIN STREET W/B END MAST ARM AND FAR LEFT SIGNALS	R Y	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G G	△
MAIN STREET W/B FAR RIGHT SIGNAL	R	R	R	Y	R	Y	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△
CROSS STREET S/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R G	R	R	G G	G	G	R	R	G	G	G G	Y	R	R	△
CROSS STREET S/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	G	G	G	R	R	G	G	G	Y	R	R	△
CROSS STREET N/B END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R Y	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	△
CROSS STREET N/B FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	Y	R	R	Y	R	R	R	Y	R	R	R	R	R	△
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	FH	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	△
INTERNALLY ILLUMINATED NRT SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	△
INTERNALLY ILLUMINATED NLT SIGNALS	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	△
																					HOLD	

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

FILE NAME = W:\diststd\22x34\ts08.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EMERGENCY VEHICLE PREEMPTION
SEQUENCE OF OPERATION – MAIN STREET AND CROSS STREET

SCALE: NONE | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15+47) WRS-3	LAKE	176	134A
	TS-08	CONTRACT NO. 60957		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FILE NAME = $FILE1$

USER NAME = $USER$

PLOT SCALE = $SCALE$

PLOT DATE = $DATE$

DESIGNED	-	
DRAWN	-	
CHECKED	-	
DATE	-	

REVISED	-	
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 1 OF 36 SHEETS | STA. 251+24.47 TO STA. 253+30.00

F.A.P. RTE. 344 | SECTION (46-1S&47IW)S-3 | COUNTY LAKE | TOTAL SHEETS 176 | SHEET NO. 135

U.S. ROUTE 45 RECONSTRUCTION | CONTRACT NO. 60957

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

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

790
785

PR ℄

EX. ROW

4:1

253 + 30.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	0	27	27
EMBANKMENT	0	1	1

790
785

PR ℄

786.07

253 + 00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	0	18	18
EMBANKMENT	0	3	3

790
785

PR ℄

785.08

252 + 50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	0	14	14
EMBANKMENT	0	3	3

785

PR ℄

783.82

252 + 00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	0	18	18
EMBANKMENT	0	1	1

785
780

PR ℄

782.38

251 + 50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	13	18	31
EMBANKMENT	0	0	0

785
780

PR ℄

781.71

251 + 24.47

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	13	16	29
EMBANKMENT	0	0	0

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

FINAL SURVEY NOTE BOOK	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY NOTE BOOK	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

256+00.00

PR ROW
EX ROW
PR SS 12"
PR ℄
789.97
787.48
4:1
3:1

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	13	29	42
EMBANKMENT	27	21	48

255+50.00

PR ROW
EX ROW
PR SS 12"
PR ℄
789.45
786.61
4:1
3:1

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	23	11	34
EMBANKMENT	25	25	50

255+00.00

PR ROW
EX ROW
PR SS 24"
PR ℄
788.90
785.75
4:1
3:1
2:1
787.42
786.69
785.96

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	29	18	47
EMBANKMENT	17	30	47

254+50.00

PR ROW
EX ROW
PR SS 24"
PR ℄
788.33
784.88
4:1
3:1
2:1
785.23

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	38	20	58
EMBANKMENT	10	39	49

254+00.00

PR ROW
EX ROW
PR ℄
787.73
784.02
4:1
3:1
1:1
784.50

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	57	34	91
EMBANKMENT	16	11	27

253+50.00

EX ROW
PR ℄
787.10
4:1

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	0	17	17
EMBANKMENT	0	11	11

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 2 OF 36 SHEETS | STA. 253+50.00 TO STA. 256+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	136
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

257+56.02

3.3%

791.46

PR ℄

791.40

	STAGE 1 (sft)	STG. 2 &3 (sft)	TOTAL (sft)
EARTH EXC.	16	19	35
EMBANKMENT	37	8	45

257+50.00

PR ROW

EX ROW

4:1

1:1

789.86

PR SS 24″

EX ROW

4:1

PR ROW

257+00.00

PR ROW

EX ROW

4:1

789.21

0

PR SS 12″

790.93

PR ℄

	STAGE 1 (sft)	STG. 2 &3 (sft)	TOTAL (sft)
EARTH EXC.	22	20	42
EMBANKMENT	37	23	60

PR SS 24″

EX ROW

4:1

PR ROW

256+56.87

790.53

10.6%

256+50.00

PR ROW

EX ROW

4:1

788.40

0

PR SS 12″

790.46

PR ℄

	STAGE 1 (sft)	STG. 2 &3 (sft)	TOTAL (sft)
EARTH EXC.	28	37	65
EMBANKMENT	0	9	9

PR SS 24″

EX ROW

4:1

PR ROW

256+48.26

3.2%

790.45

FILE NAME = $FILE_NAME$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

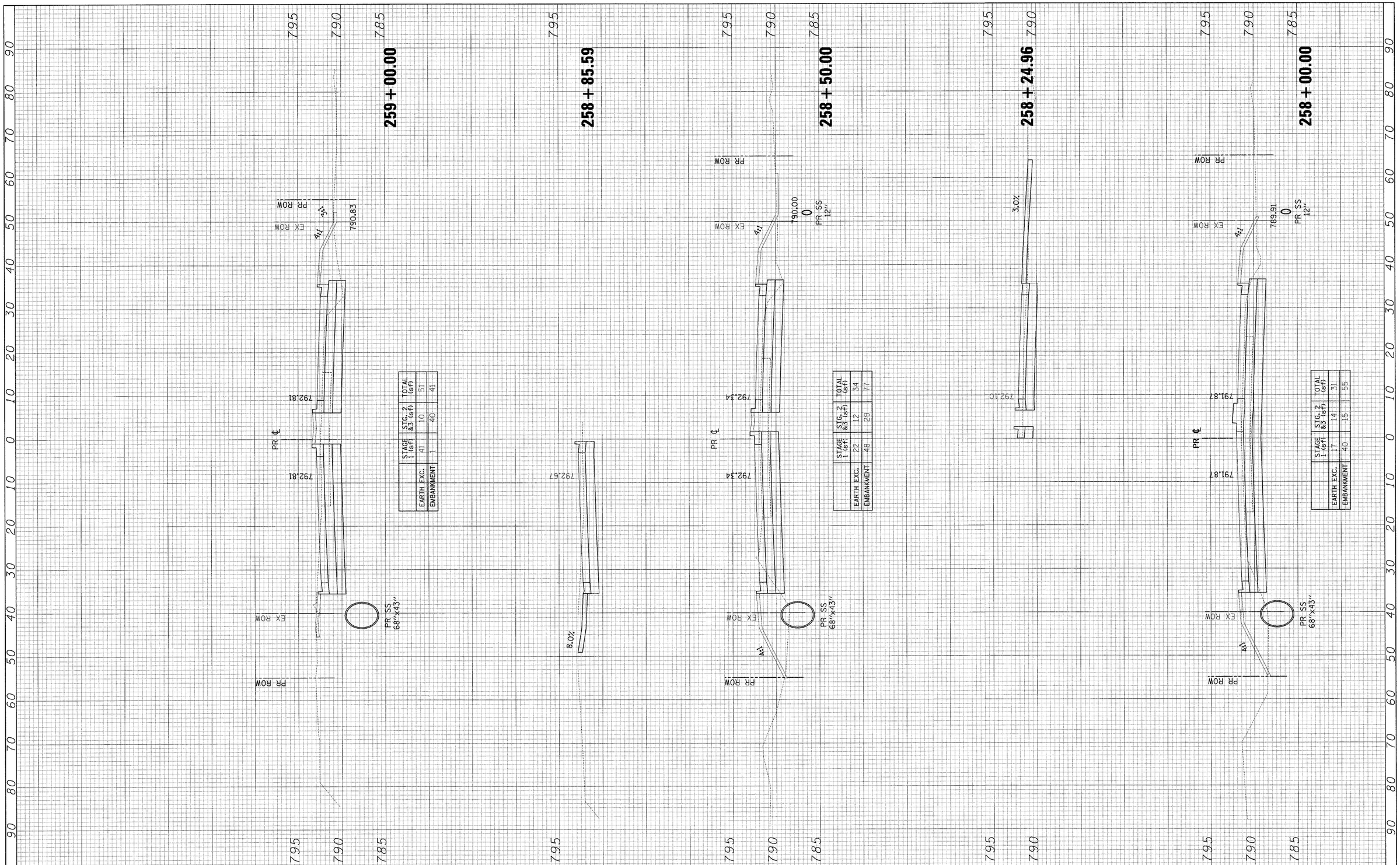
U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1″=5′V/10′H | SHEET NO. 3 OF 36 SHEETS | STA. 256+48.26 TO STA. 257+56.02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	137
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 4 OF 36 SHEETS | STA. 258+00.00 TO STA. 259+00.00

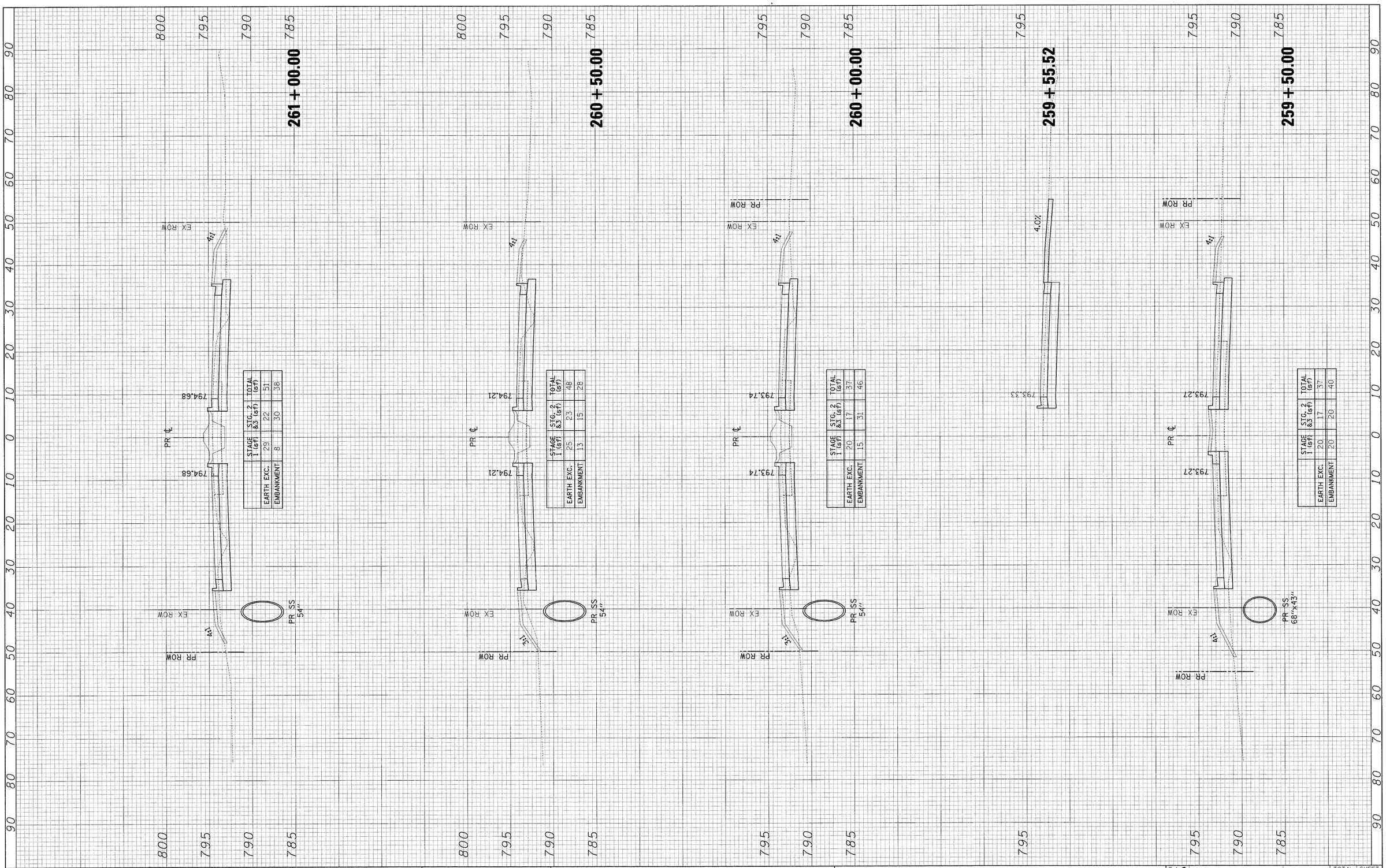
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	138
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY

NOTE BOOK	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY

NOTE BOOK	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 5 OF 36 SHEETS | STA. 259+50.00 TO STA. 261+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	139
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TOTALS		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TOTALS		
AREAS		
NO.	AREAS CHECKED	

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

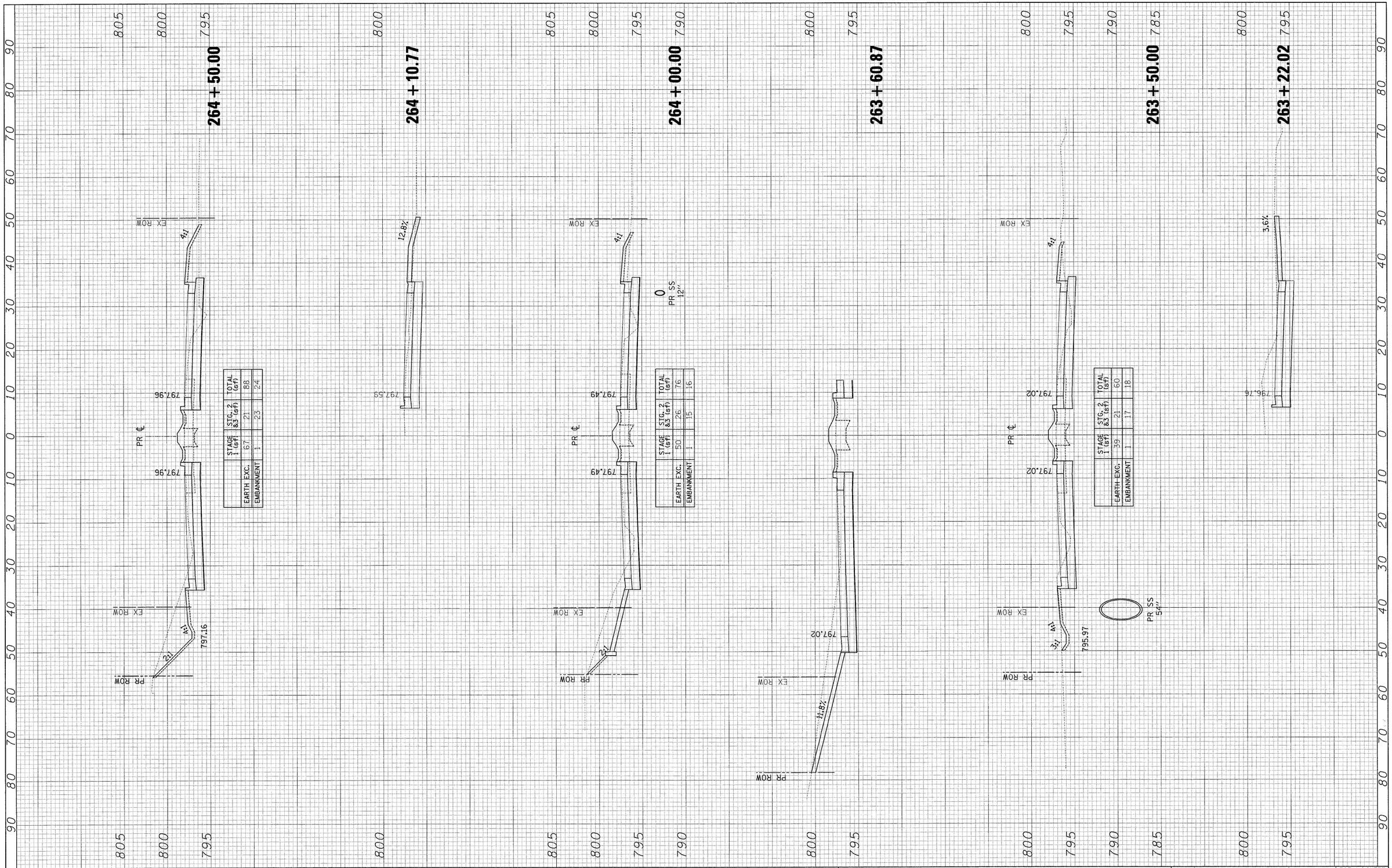
U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 6 OF 36 SHEETS | STA. 261+50.00 TO STA. 263+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	140
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE - 12/12/2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 7 OF 36 SHEETS | STA. 263+22.02 TO STA. 264+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	141
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPE MATE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TYPE MATE	
	AREAS	
	AREAS CHECKED	

266+63.89

EX ROW

799.72

PR ℄

799.19

7.4%

EX ROW

PR ROW

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	86	18	104
EMBANKMENT	0	1	1

266+50.00

EX ROW

799.63

PR ℄

798.94

3:1

3:1

EX ROW

PR ROW

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	84	21	105
EMBANKMENT	0	2	2

266+10.77

20

799.45

266+00.00

EX ROW

799.36

PR ℄

798.94

2:1

4:1

EX ROW

PR ROW

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	96	9	105
EMBANKMENT	0	2	2

265+50.00

EX ROW

798.89

PR ℄

798.35

2:1

4:1

EX ROW

PR ROW

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	91	20	111
EMBANKMENT	1	8	9

265+00.00

EX ROW

798.43

PR ℄

797.76

3:1

4:1

EX ROW

PR ROW

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	84	27	111
EMBANKMENT	1	23	24

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE - 12/12/2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 8 OF 36 SHEETS | STA. 265+00.00 TO STA. 266+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	142
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TOPO PLOTTED	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TOPO PLOTTED	
	AREAS	
	AREAS CHECKED	

269+50.00

EX ROW
PR ROW
4:1
PR ℄
798.58
798.77

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	171	26	197
EMBANKMENT	9	5	14

269+00.00

EX ROW
1:1
PR ROW
PR ℄
799.30
799.30
PR SS 24"

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	7	2	9
EMBANKMENT	58	75	133

268+00.00

EX ROW
PR ROW
PR ℄
799.75
799.92
PR SS 12"

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	17	3	20
EMBANKMENT	34	41	74

267+50.00

EX ROW
4:1
PR ROW
PR ℄
797.97
799.87
800.00
1:3
2:1
797.65

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	27	3	30
EMBANKMENT	9	7	16

267+28.72

0.9%
799.98

267+00.00

EX ROW
PR ROW
PR ℄
799.83
799.94
3:1
2:1
798.12

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	57	8	65
EMBANKMENT	1	3	4

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 9 OF 36 SHEETS | STA. 267+00.00 TO STA. 269+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	143
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY:	DATE
NOTE BOOK	PLOTTED		
NO.	DRAWN BY		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	8"	DATE
NOTE BOOK	PLOTTED		
NO.	DRAWN BY		
	AREAS		
	AREAS CHECKED		

272+00.00

EX ROW

PR ℄

795.59

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	187	48	235
EMBANKMENT	0	11	11

4:1

3:1

PR SS 34"x53"

790.91

EX ROW

271+50.00

EX ROW

PR ℄

796.20

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	195	58	253
EMBANKMENT	0	5	5

4:1

3:1

PR SS 34"x53"

791.46

EX ROW

271+00.00

EX ROW

PR ℄

796.76

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	223	62	285
EMBANKMENT	0	1	1

4:1

3:1

PR SS 34"x53"

792.02

EX ROW

270+50.00

EX ROW

PR ℄

797.37

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	215	53	268
EMBANKMENT	1	4	5

4:1

3:1

792.57

EX ROW

270+00.00

EX ROW

PR ℄

797.96

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	193	39	232
EMBANKMENT	6	4	10

4:1

3:1

793.12

EX ROW

FILE NAME = $FILE1$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 10 OF 36 SHEETS | STA. 270+00.00 TO STA. 272+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	144
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED PLOTTED TRAVERSE AREAS AREAS CHECKED		
NO.			

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED PLOTTED TRAVERSE AREAS AREAS CHECKED		
NO.			

274+50.00

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC. 4	0	4
EMBANKMENT 97	98	195

274+00.00

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC. 11	1	12
EMBANKMENT 61	72	133

273+50.00

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC. 43	8	51
EMBANKMENT 21	47	68

273+00.00

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC. 113	21	134
EMBANKMENT 0	28	28

272+50.00

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC. 168	34	202
EMBANKMENT 0	15	15

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 11 OF 36 SHEETS | STA. 272+50.00 TO STA. 274+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	145
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FILE NAME = $FILE$

USER NAME = $USER$

PLOT SCALE = $SCALE$

PLOT DATE = $DATE$

		REVISED	-
DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

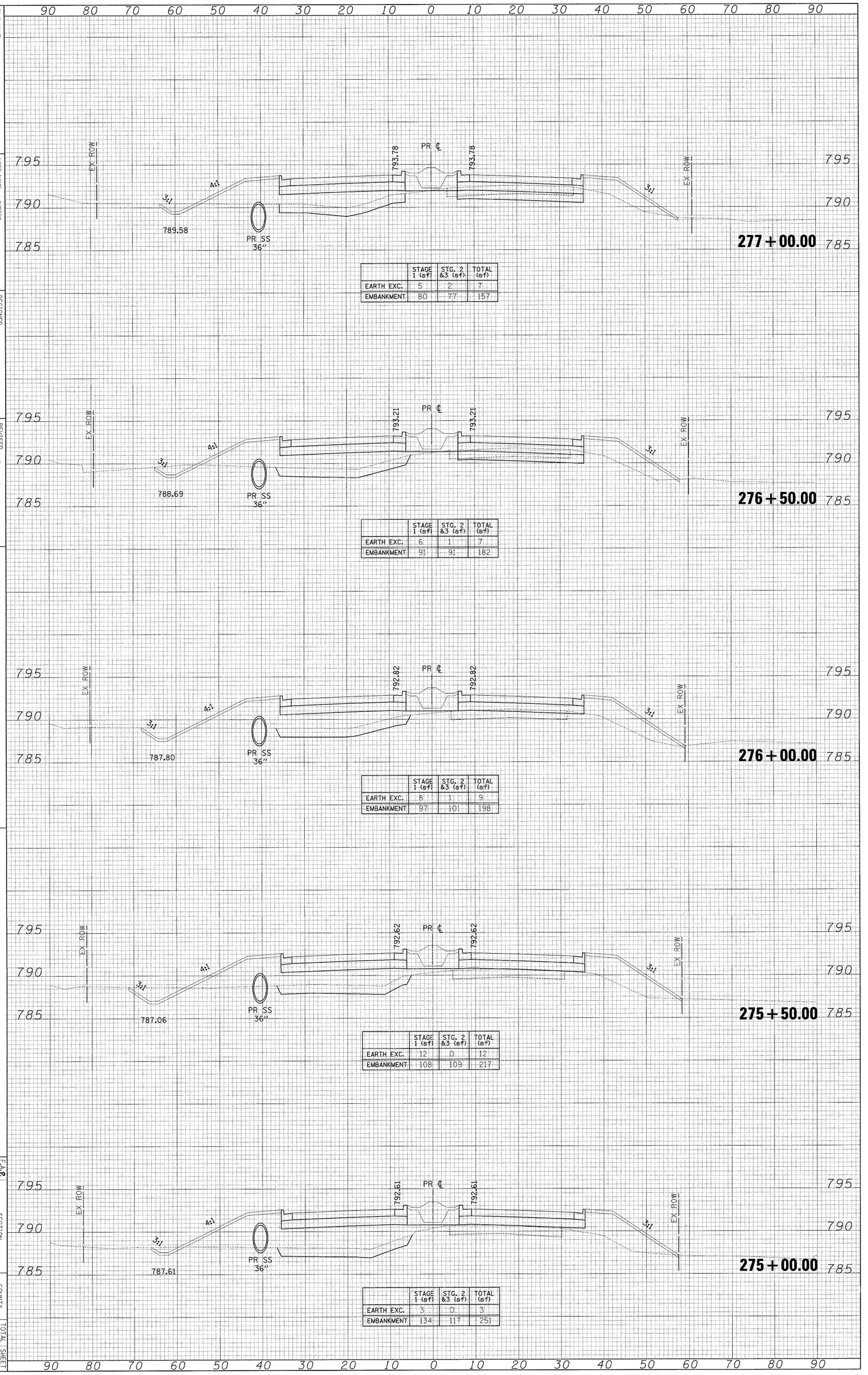
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 12 OF 36 SHEETS | STA. 275+00.00 TO STA. 277+00.00

F.A.P. RTE. 344 | U.S. ROUTE 45 RECONSTRUCTION | SECTION (46-1S&47WRS-3 | COUNTY LAKE | TOTAL SHEETS 176 | SHEET NO. 146

FED. ROAD DIST. NO. ILLINOIS | FED. AID PROJECT | CONTRACT NO. 60957



	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	5	2	7
EMBANKMENT	80	77	157

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	6	1	7
EMBANKMENT	91	91	182

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	8	1	9
EMBANKMENT	97	101	198

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	12	0	12
EMBANKMENT	108	109	217

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	3	0	3
EMBANKMENT	134	117	251

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE NAME = $FILE$

USER NAME = $USER$

PLOT SCALE = $SCALE$

PLOT DATE = $DATE$

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5V/10H

SHEET NO. 13 OF 36 SHEETS

STA. 277+50.00 TO STA. 279+50.00

F.A.P. RTE. 344

U.S. ROUTE 45 RECONSTRUCTION

SECTION (46-1,5R,4-I)WUS-3

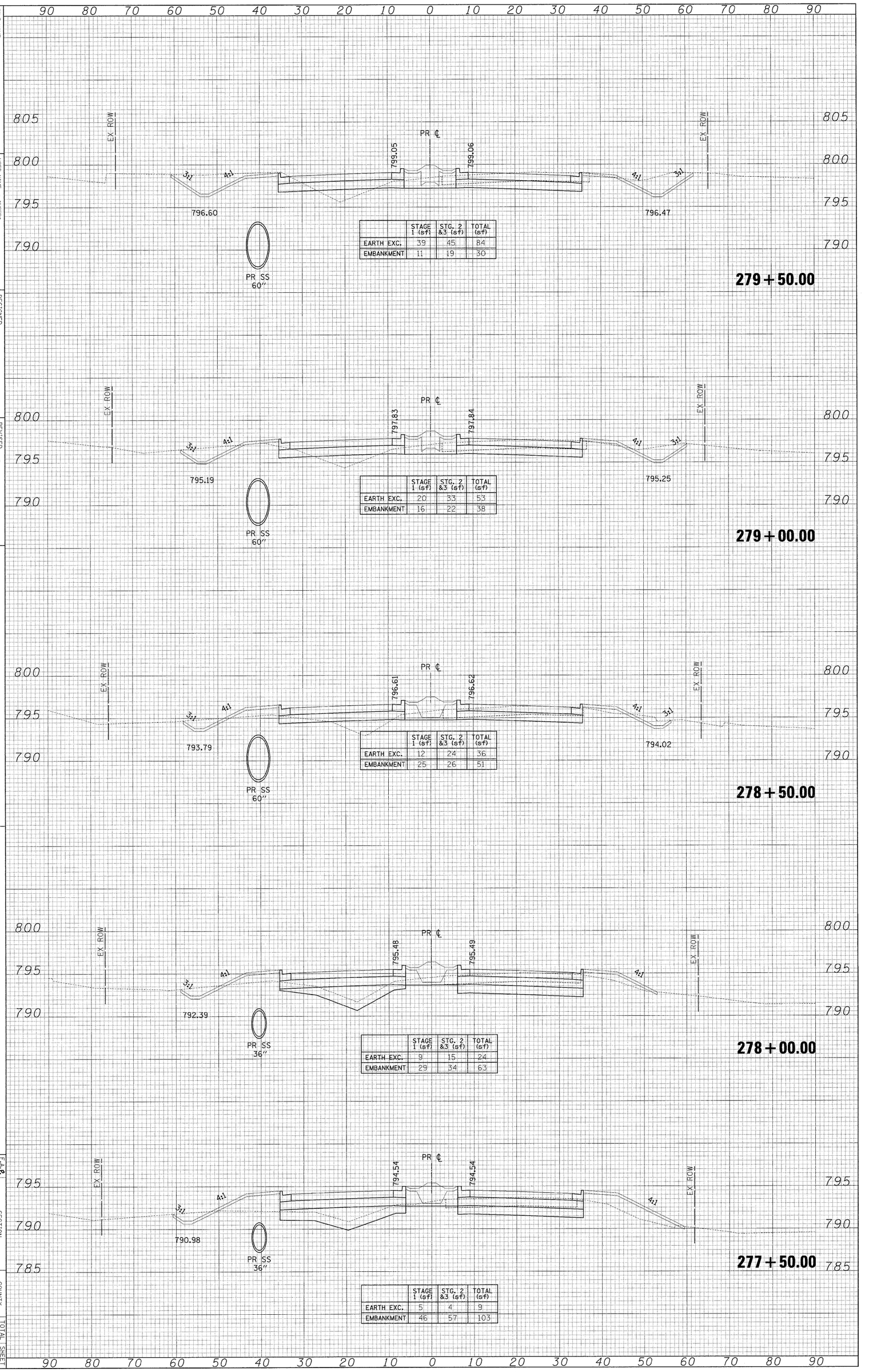
COUNTY LAKE

CONTRACT NO. 60957

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

TOTAL SHEETS 176

SHEET NO. 147



	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	39	45	84
EMBANKMENT	11	19	30

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	20	33	53
EMBANKMENT	16	22	38

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	12	24	36
EMBANKMENT	25	26	51

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	9	15	24
EMBANKMENT	29	34	63

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	5	4	9
EMBANKMENT	46	57	103

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	FIELD AE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TYPICAL SITE		
	AREAS		
	AREAS CHECKED		

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 14 OF 36 SHEETS | STA. 280+00.00 TO STA. 281+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&4T)WRS-3	LAKE	176	148
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY | BY | DATE
SURVEYED
PLOTTED
TEMPLATE
NOTE BOOK | AREAS
NO. | AREAS CHECKED

ORIGINAL SURVEY | BY | DATE
SURVEYED
PLOTTED
TEMPLATE
NOTE BOOK | AREAS
NO. | AREAS CHECKED

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

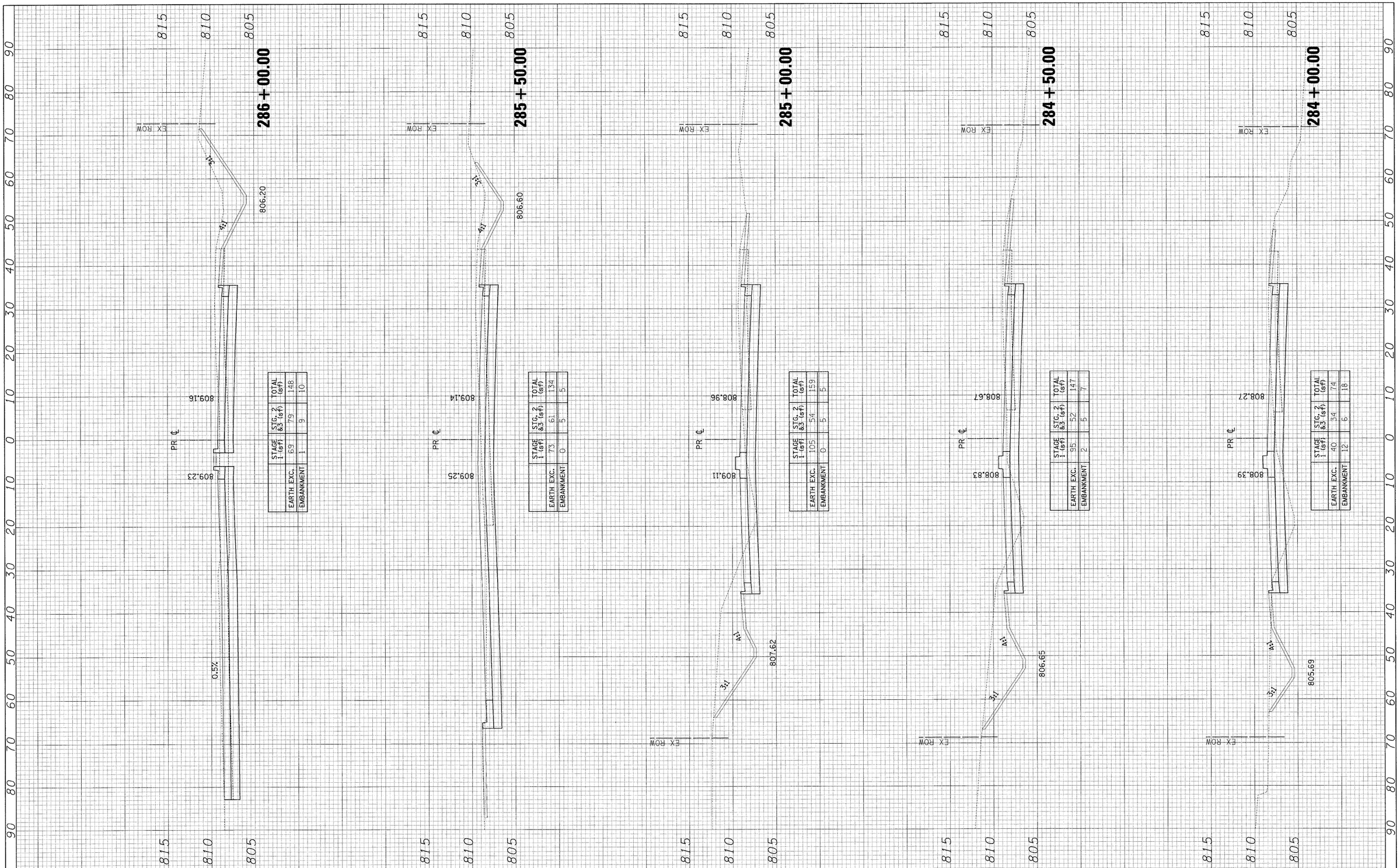
U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 15 OF 36 SHEETS | STA. 282+00.00 TO STA. 283+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	149
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		



FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 16 OF 36 SHEETS | STA. 284+00.00 TO STA. 286+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	150
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 17 OF 36 SHEETS | STA. 286+50.00 TO STA. 288+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	151
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE NAME = $FILE$

USER NAME = $USER$

PLOT SCALE = $SCALE$

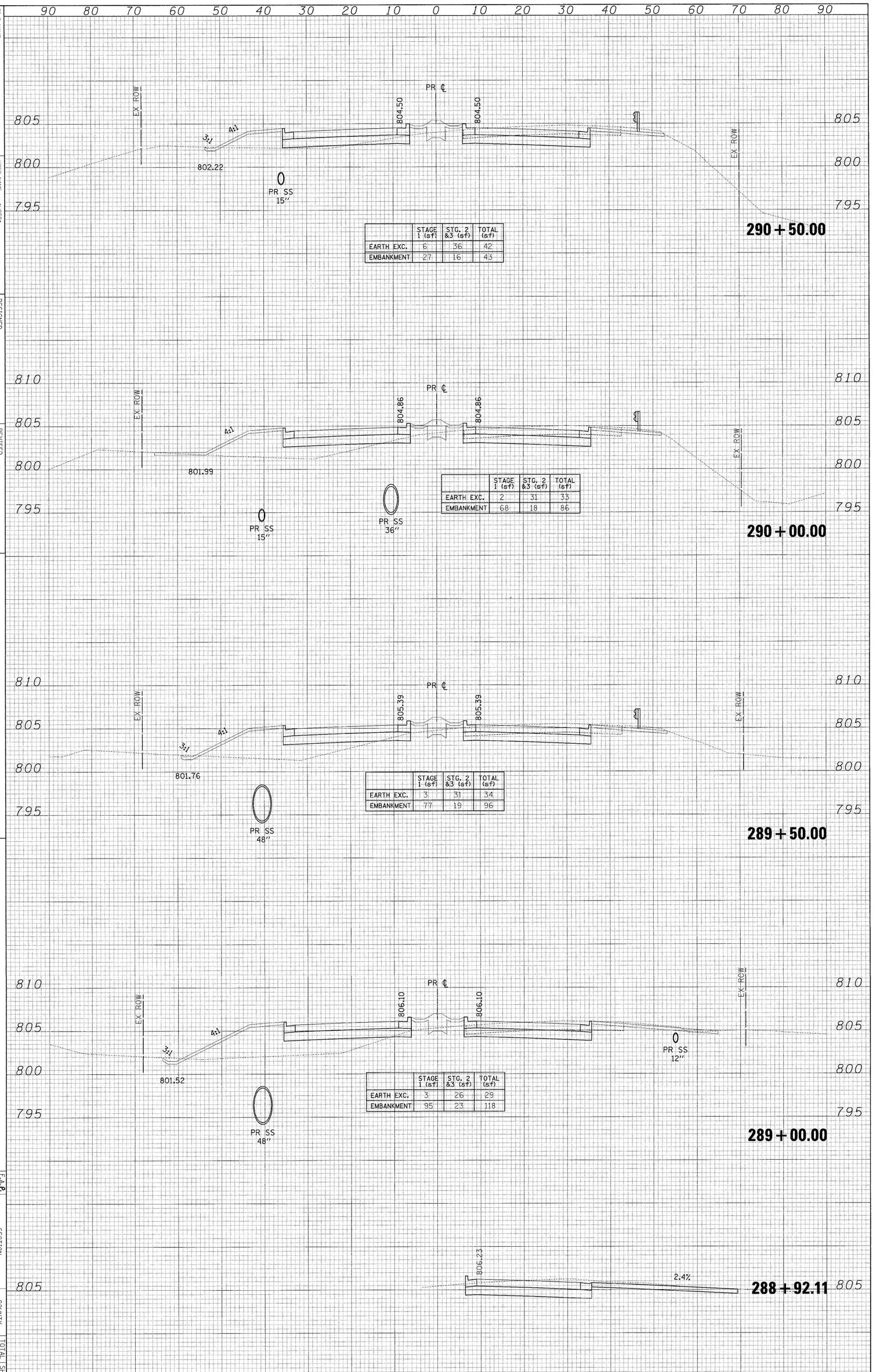
PLOT DATE = $DATE$

DESIGNED	-	
DRAWN	-	
CHECKED	-	
DATE	-	
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 18 OF 36 SHEETS | STA. 288+92.11 | TO STA. 290+50.00



FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60957	COUNTY LAKE	TOTAL SHEETS 176	SHEET NO. 152
U.S. ROUTE 45 RECONSTRUCTION			SECTION (46-1S&4T)WFS-3		
FED. ROAD DIST. NO. 344					

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC. 49	48	97
EMBANKMENT 3	16	19

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC. 8	45	53
EMBANKMENT 43	14	57

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC. 18	40	58
EMBANKMENT 16	13	29

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC. 37	45	82
EMBANKMENT 10	10	20

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

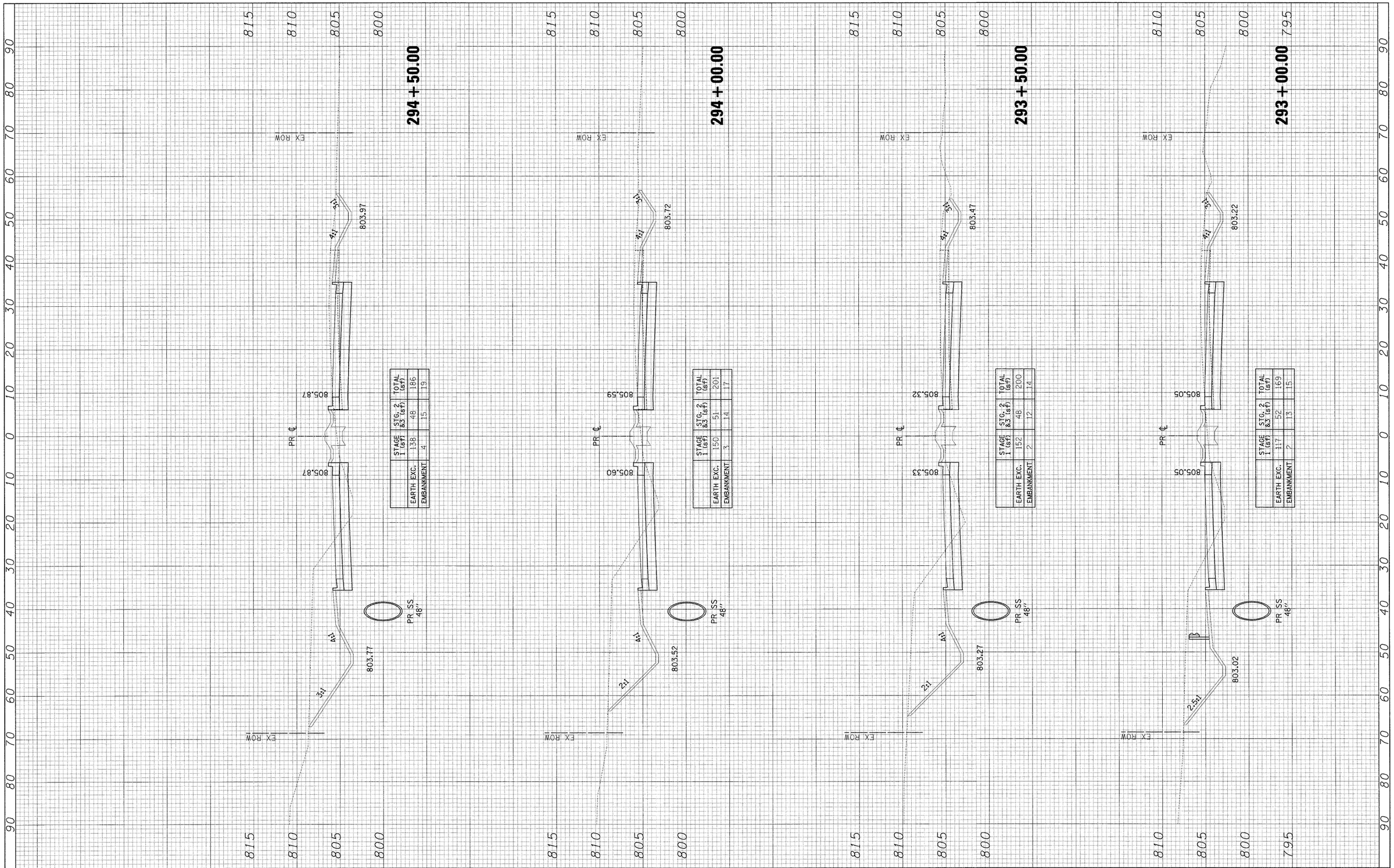
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 19 OF 36 SHEETS | STA. 291+00.00 TO STA. 292+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	153
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 20 OF 36 SHEETS | STA. 293+00.00 TO STA. 294+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	154
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	

296+50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	120	43	163
EMBANKMENT	7	17	24

806.95
804.97
804.77
PR ℄
PR SS 48"
4:1
3:1
EX ROW

296+00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	95	44	139
EMBANKMENT	6	17	23

806.68
804.72
804.52
PR ℄
PR SS 48"
4:1
3:1
EX ROW

295+50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	57	44	101
EMBANKMENT	9	17	26

806.41
804.47
804.27
PR ℄
PR SS 48"
4:1
3:1
EX ROW

295+00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	93	43	136
EMBANKMENT	6	18	24

806.14
804.22
804.02
PR ℄
PR SS 15"
PR SS 48"
4:1
3:1
EX ROW

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 21 OF 36 SHEETS | STA. 295+00.00 TO STA. 296+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	155
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	

FILE NAME = $FILE_$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 22 OF 36 SHEETS | STA. 297+00.00 TO STA. 298+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	156
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TRIANGULATE		
NO.	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TRIANGULATE		
NO.	AREAS		
	AREAS CHECKED		

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 23 OF 36 SHEETS | STA. 299+00.00 TO STA. 300+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	157
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

302+50.00

EX ROW

807.97

4:1

PR ℄

810.20

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	167	50	217
EMBANKMENT	0	17	17

4:1

2:1

808.81

PR. SS 48"

EX ROW

302+00.00

EX ROW

807.72

4:1

PR ℄

809.93

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	198	43	241
EMBANKMENT	0	19	19

4:1

2:1

808.42

PR. SS 48"

EX ROW

301+50.00

EX ROW

807.47

4:1

PR ℄

809.66

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	133	42	175
EMBANKMENT	0	24	24

4:1

2:1

808.02

PR. SS 48"

EX ROW

301+00.00

EX ROW

807.22

4:1

PR ℄

809.38

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	89	39	128
EMBANKMENT	0	30	30

4:1

3:1

807.62

PR. SS 54"

EX ROW

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 24 OF 36 SHEETS | STA. 301+00.00 TO STA. 302+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	158
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

304+50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	69	44	113
EMBANKMENT	0	19	19

304+00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	130	56	186
EMBANKMENT	0	16	16

303+50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	157	57	214
EMBANKMENT	0	16	16

303+00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	152	54	206
EMBANKMENT	0	15	15

FILE NAME = $FILE1$	USER NAME = $USER1$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

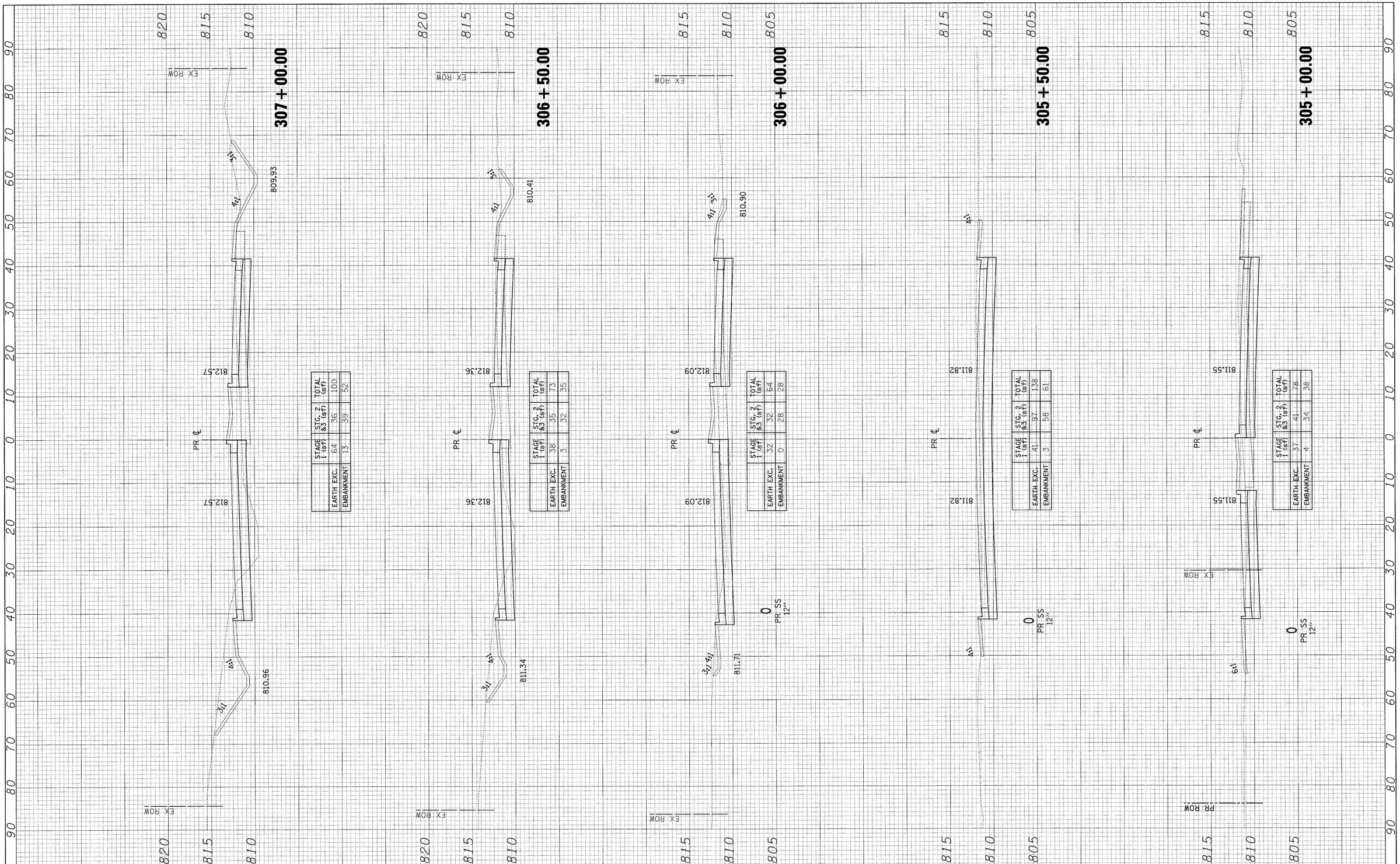
U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 25 OF 36 SHEETS | STA. 303+00.00 TO STA. 304+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	159
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY | BY | DATE
SURVEYED
PLOTTED
TEMPLATE
NOTE BOOK | AREAS
NO. | AREAS CHECKED

ORIGINAL SURVEY | BY | DATE
SURVEYED
PLOTTED
TEMPLATE
NOTE BOOK | AREAS
NO. | AREAS CHECKED



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 26 OF 36 SHEETS | STA. 305+00.00 TO STA. 307+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15&47)WRS-3	LAKE	176	160
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
NO.	AREAS CHECKED		

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	123	42	165
EMBANKMENT	39	76	115

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	134	36	170
EMBANKMENT	34	68	102

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	156	30	186
EMBANKMENT	37	57	94

STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	118	36	154
EMBANKMENT	26	42	68

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 27 OF 36 SHEETS | STA. 307+50.00 TO STA. 309+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	161
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TOPOGRAPHY		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TOPOGRAPHY		
	AREAS		
	AREAS CHECKED		

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 28 OF 36 SHEETS | STA. 309+50.00 TO STA. 311+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	162
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TEMPLATE		
AREAS		
NO.	AREAS CHECKED	

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 29 OF 36 SHEETS | STA. 311+50.00 TO STA. 313+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	163
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	DRAWN		
NO.	AREAS CHECKED		

316+00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	14	22	36
EMBANKMENT	47	32	79

315+50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	0	27	27
EMBANKMENT	84	31	115

315+00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	25	54	79
EMBANKMENT	23	7	30

314+50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	195	59	254
EMBANKMENT	0	10	10

314+00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	281	71	352
EMBANKMENT	6	18	24

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	DRAWN		
NO.	AREAS CHECKED		

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 30 OF 36 SHEETS | STA. 314+00.00 TO STA. 316+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	164
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TYPING RVW'D		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TYPING RVW'D		
NO.	AREAS CHECKED		

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

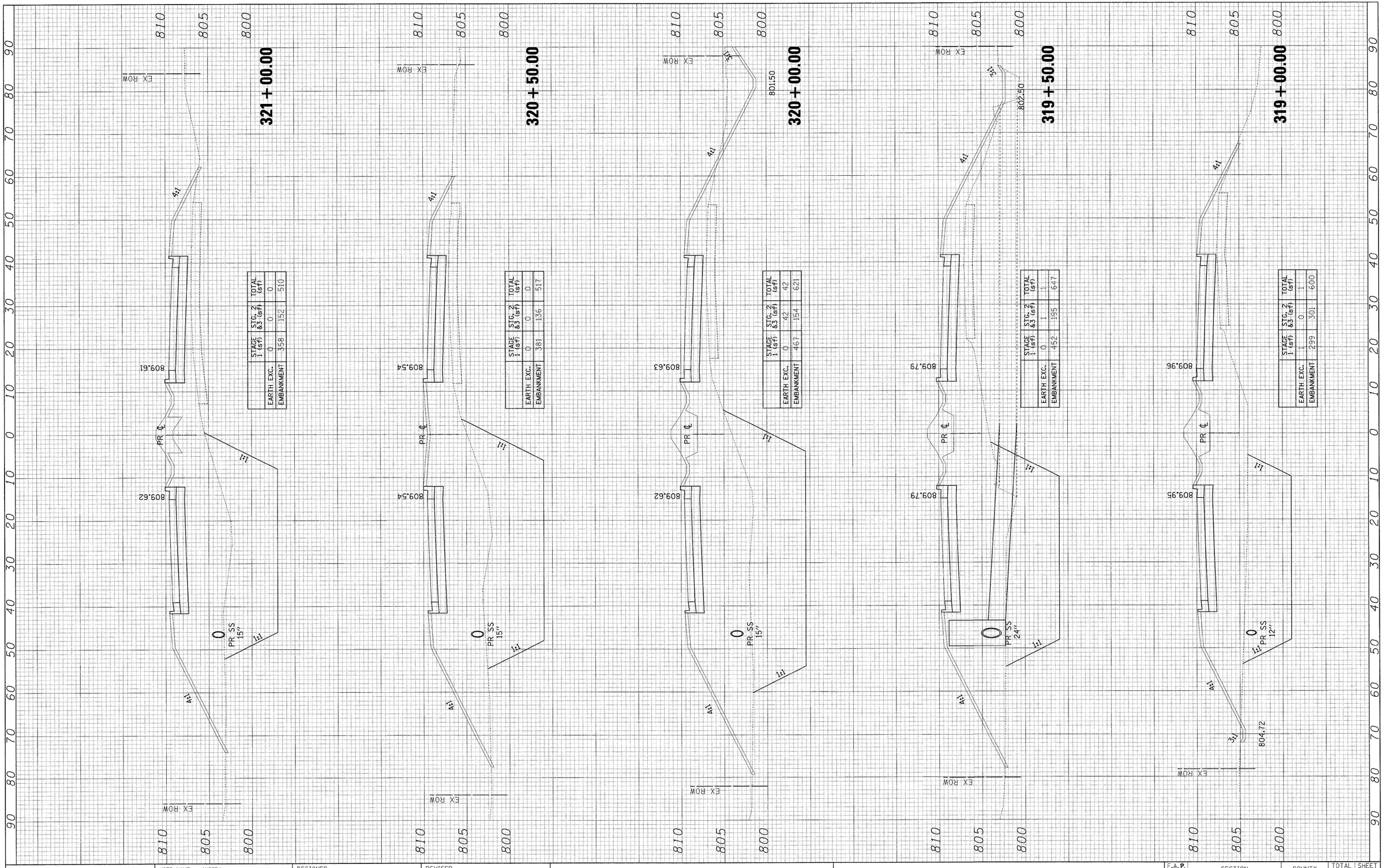
U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 31 OF 36 SHEETS | STA. 316+50.00 TO STA. 318+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	165
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE



FILE NAME - $FILE1$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 32 OF 36 SHEETS | STA. 319+00.00 TO STA. 321+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	166
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

323+50.00

5.0%

811.61

PR ℄

811.63

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	134	0	134
EMBANKMENT	202	254	456

323+00.00

4:1

811.15

PR ℄

811.16

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	89	0	89
EMBANKMENT	253	145	398

322+50.00

4:1

810.68

PR ℄

810.70

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	51	0	51
EMBANKMENT	256	146	402

322+00.00

4:1

810.22

PR ℄

810.23

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	0	0	0
EMBANKMENT	277	142	419

321+50.00

EX ROW

4:1

809.84

PR ℄

809.85

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	0	0	0
EMBANKMENT	295	158	453

5%

4%

4%

3:1

804.32

804.07

1:1

803.82

PR SS 15"

4:1

EX ROW

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 33 OF 36 SHEETS | STA. 321+50.00 TO STA. 323+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	167
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FILE NAME = $FILE$

USER NAME = $USER$

PLOT SCALE = $SCALE$

PLOT DATE = $DATE$

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H

SHEET NO. 34 OF 36 SHEETS

STA. 324+00.00 TO STA. 326+00.00

F.A.P. RTE. 344

U.S. ROUTE 45 RECONSTRUCTION

SECTION (46-156-4TWRS-3

COUNTY LAKE

CONTRACT NO. 60957

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

TOTAL SHEETS 176

SHEET NO. 168

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

815 810 805

PR ℄

813.94 813.93

3:1 3:1

4% 4%

805.57

326 + 00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	171	0	171
EMBANKMENT	144	195	339

PR ℄

813.48 813.47

3:1 3:1

4% 4%

805.32

325 + 50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	166	0	166
EMBANKMENT	164	200	364

PR ℄

813.01 813.00

3:1 3:1

4% 4%

805.07

325 + 00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	158	0	158
EMBANKMENT	189	216	405

PR ℄

812.55 812.54

3:1 4:1

4% 4%

804.82

324 + 50.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	168	0	168
EMBANKMENT	192	241	433

PR ℄

812.09 812.08

3:1 4:1

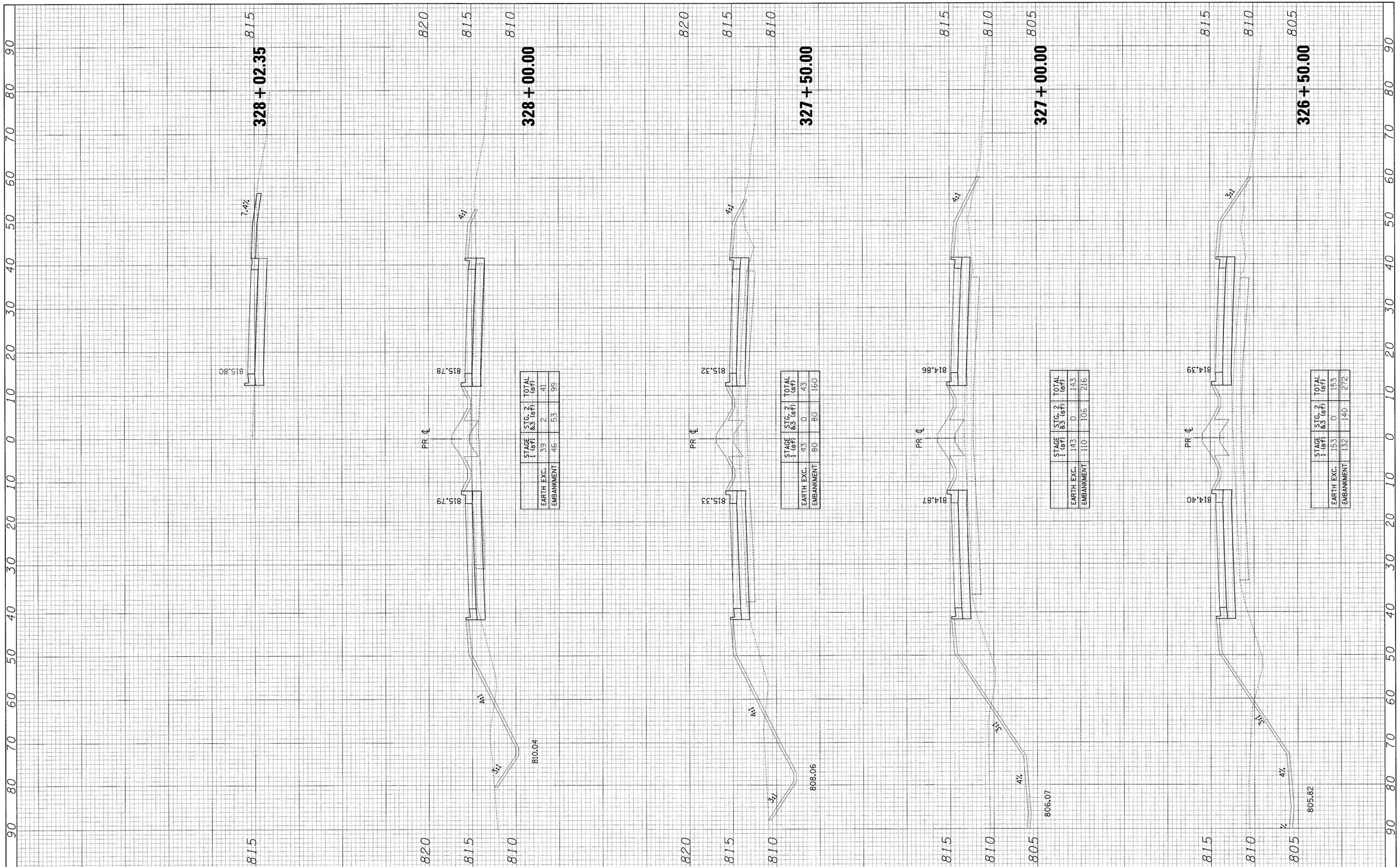
4% 4%

804.57

324 + 00.00

	STAGE 1 (sf)	STG. 2 &3 (sf)	TOTAL (sf)
EARTH EXC.	165	0	165
EMBANKMENT	189	243	432

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90



FINAL SURVEY NOTE BOOK
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
NO.
BY
DATE

ORIGINAL SURVEY NOTE BOOK
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
NO.
BY
DATE

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

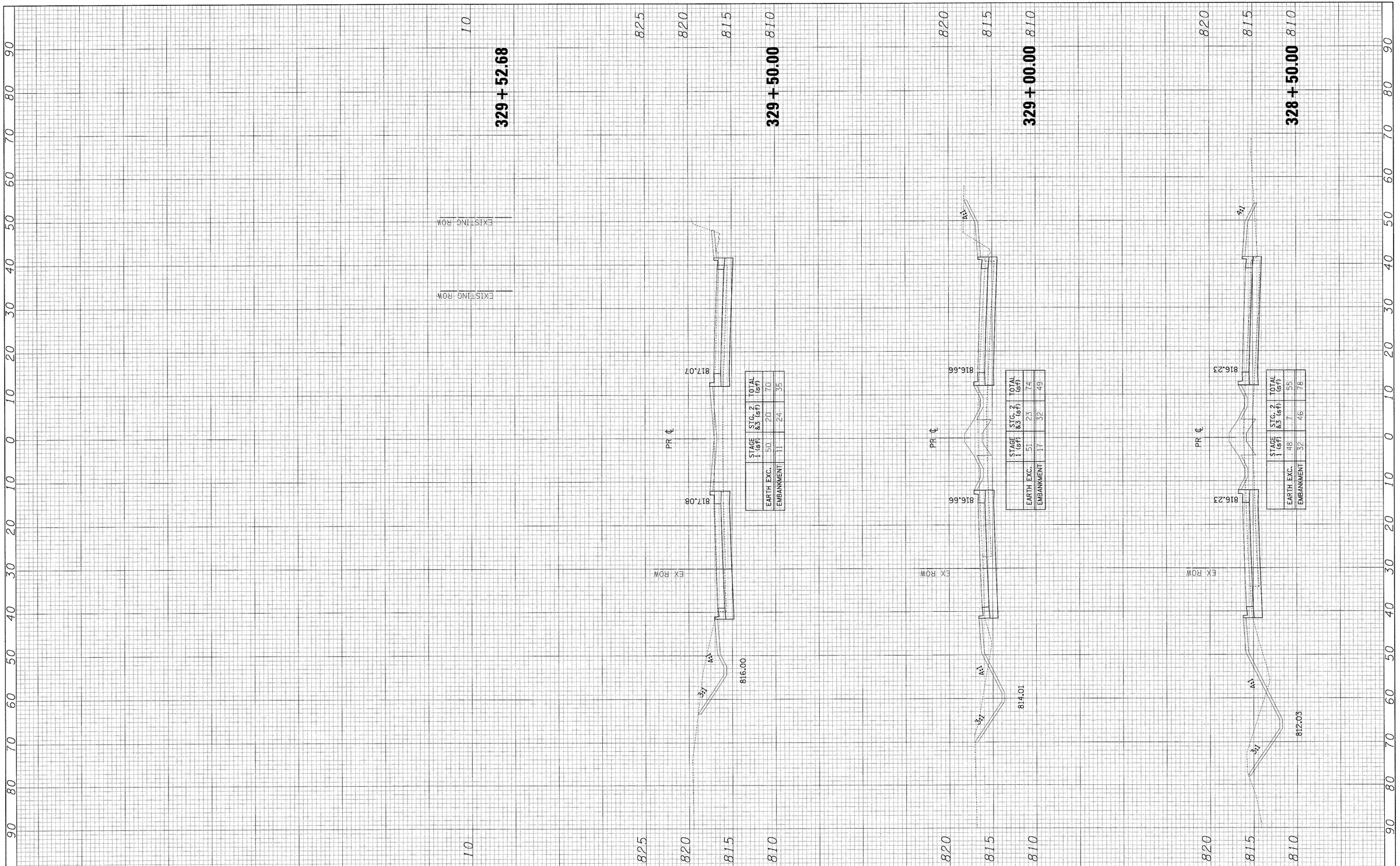
U.S. ROUTE 45 CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 35 OF 36 SHEETS | STA. 326+50.00 TO STA. 328+02.35

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	169
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY NOTE BOOK NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED	By	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



FILE NAME = $FILE1$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET NO. OF SHEETS	STA. 328+50.00 TO STA. 329+52.68

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			176	170
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK	TEMPLATE	
NO.	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK	TEMPLATE	
NO.	AREAS	
	AREAS CHECKED	

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CASEY ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 1 OF 6 SHEETS | STA. 4+60.44 TO STA. 6+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	171
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FILE NAME = $FILE$

USER NAME = $USER$

PLOT SCALE = $SCALE$

PLOT DATE = $DATE$

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

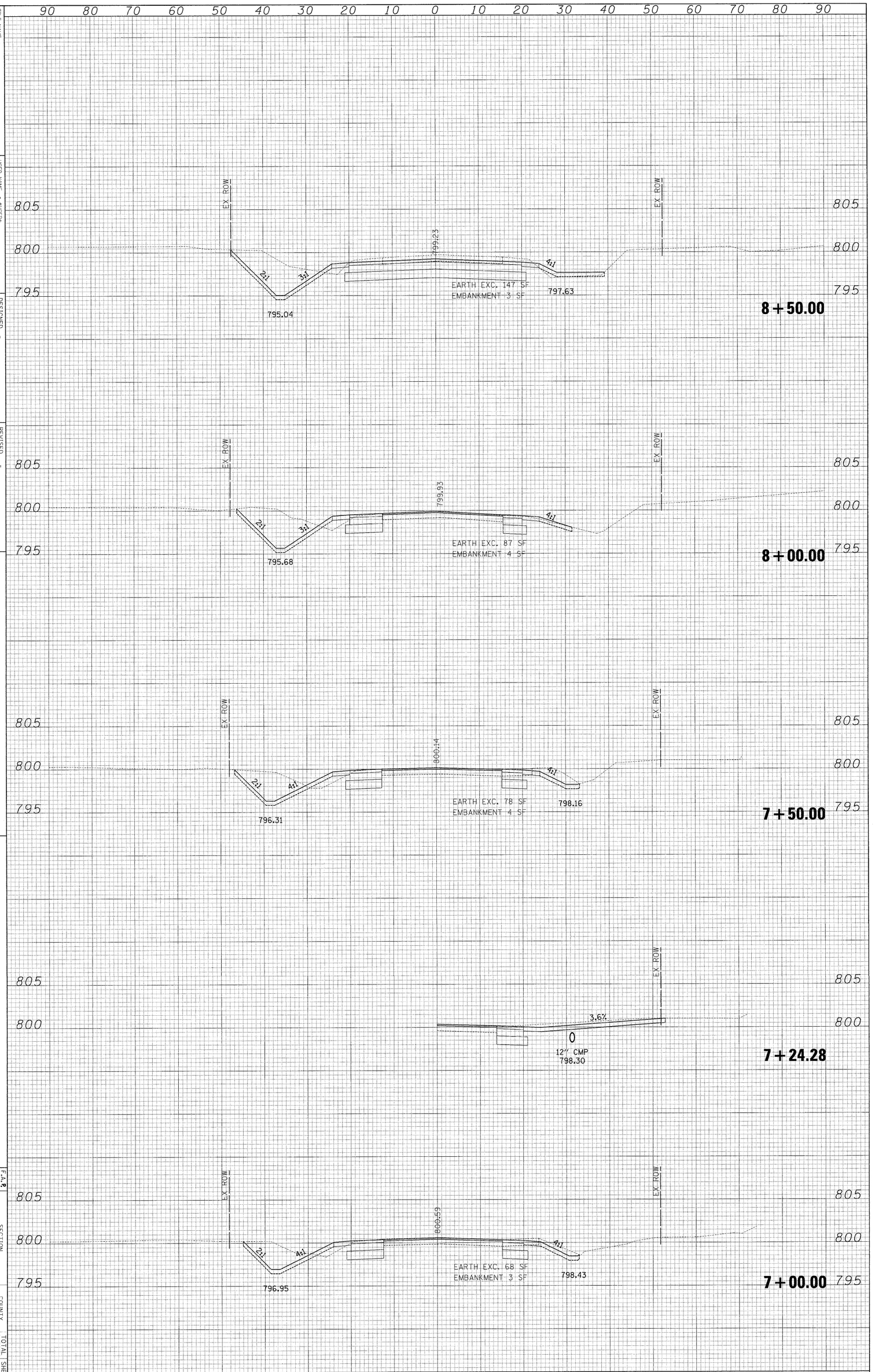
CASEY ROAD CROSS SECTIONS

SCALES: 1"=5'V/10'H

SHEET NO. 2 OF 6 SHEETS

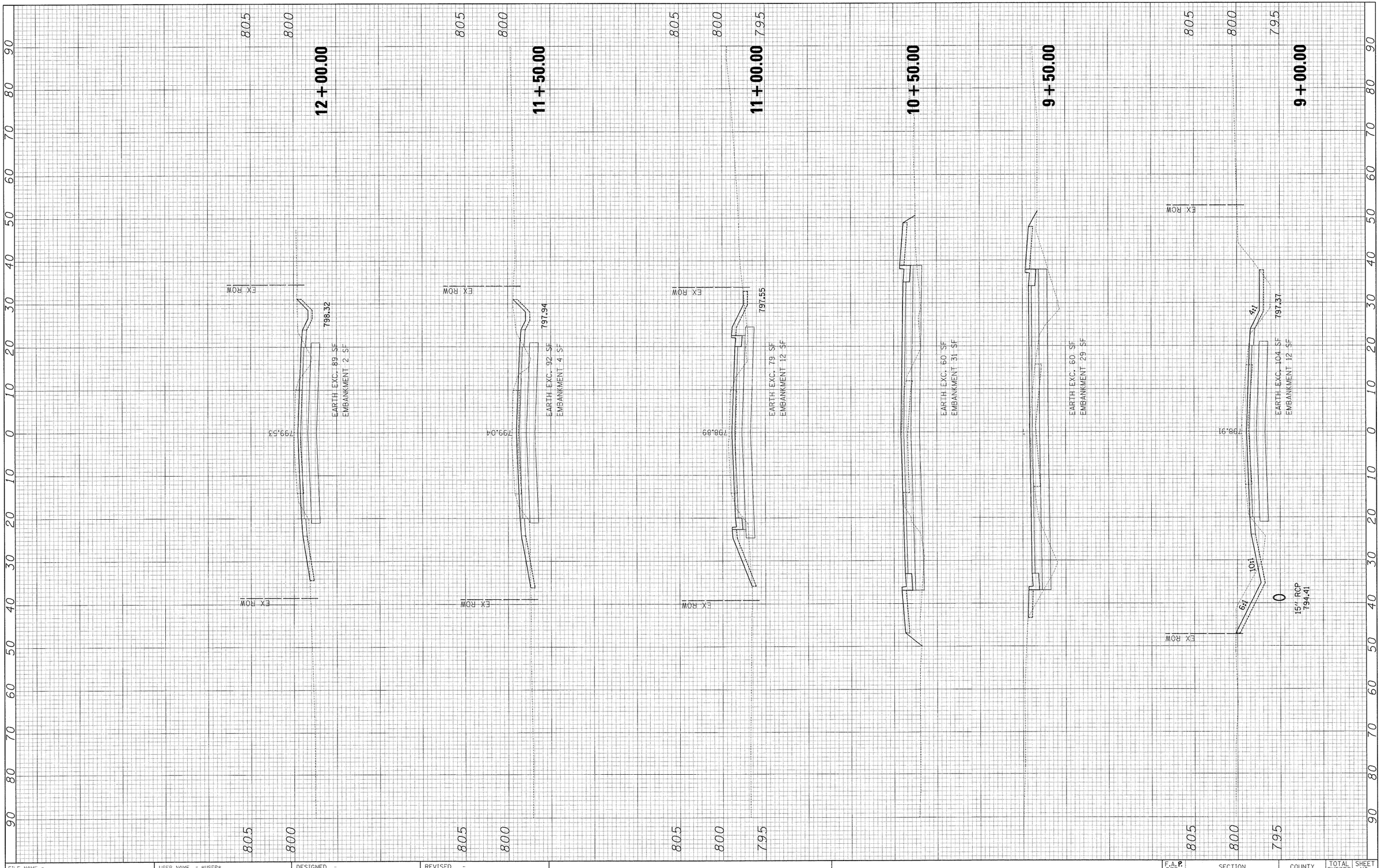
STA. 7+00.00 TO STA. 8+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1SX+TIWRS-3	LAKE	176	172
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT			



FINAL SURVEY		8"	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TYPE SIZE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TYPE SIZE		
	AREAS		
	AREAS CHECKED		



FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

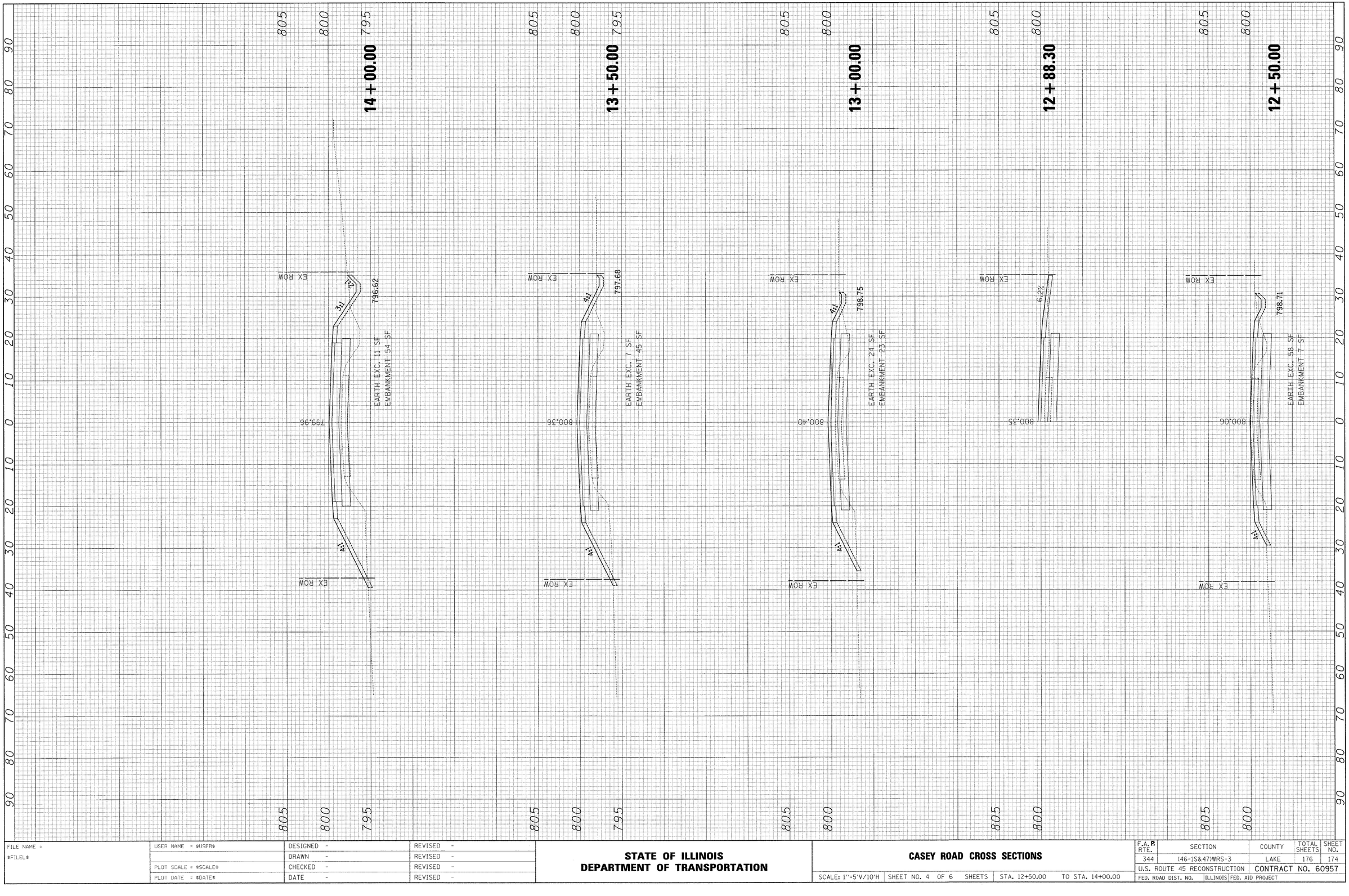
CASEY ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 3 OF 6 SHEETS | STA. 9+00.00 TO STA. 12+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	173
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
	SURVEYED	
	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
	SURVEYED	
	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



FILE NAME = $FILEL$	USER NAME = $USFR$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CASEY ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 4 OF 6 SHEETS | STA. 12+50.00 TO STA. 14+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	174
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

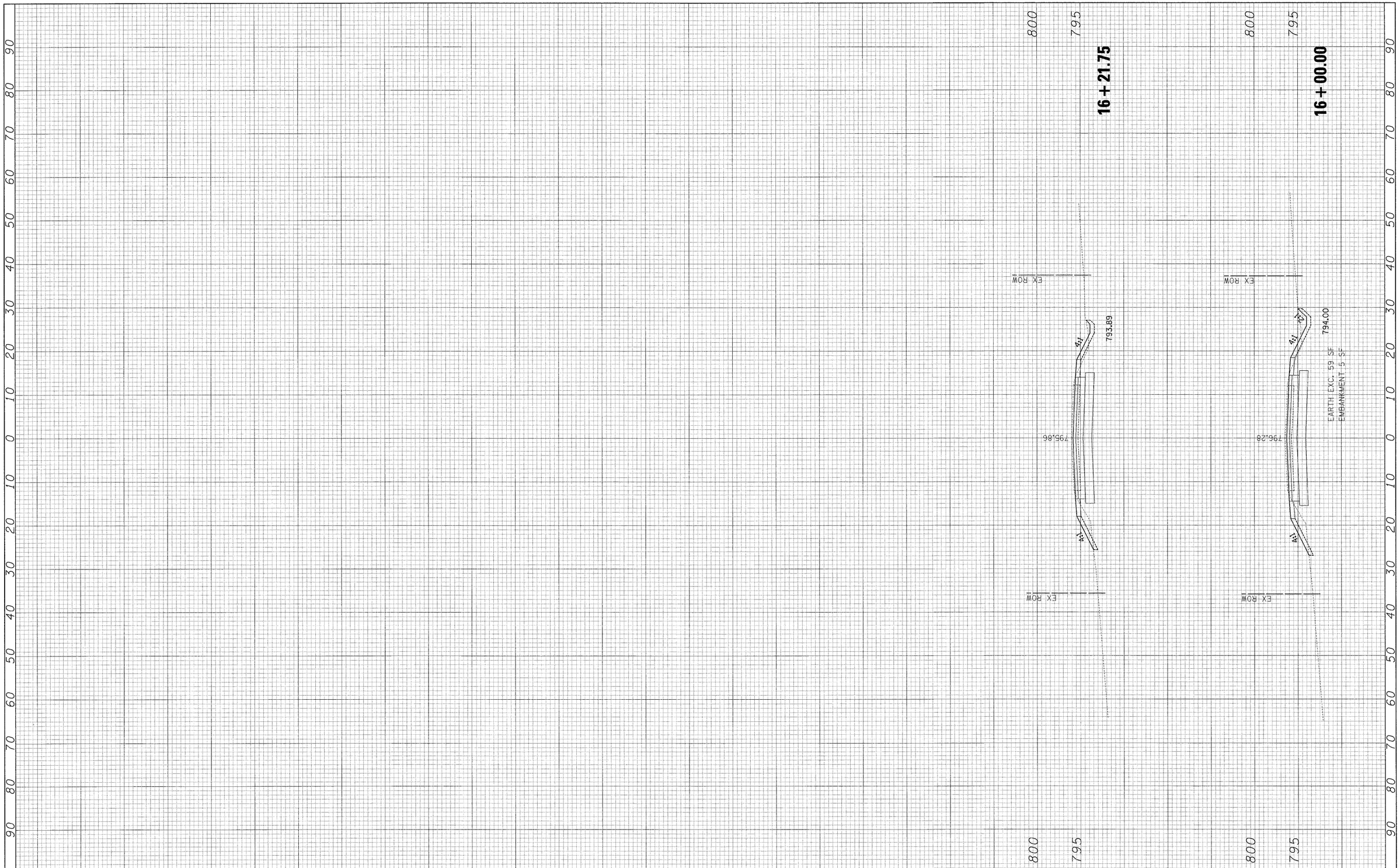
CASEY ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 5 OF 6 SHEETS | STA. 14+28.37 TO STA. 15+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	175
	U.S. ROUTE 45 RECONSTRUCTION	CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
	SURVEYED	
	PLOTTED	
NOTE BOOK	TEMPLATE	
	AREAS	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
	SURVEYED	
	PLOTTED	
NOTE BOOK	TEMPLATE	
	AREAS	
NO.	AREAS CHECKED	



FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CASEY ROAD CROSS SECTIONS

SCALE: 1"=5'V/10'H | SHEET NO. 6 OF 6 SHEETS | STA. 16+00.00 | TO STA. 16+21.75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-1S&47)WRS-3	LAKE	176	176
U.S. ROUTE 45 RECONSTRUCTION		CONTRACT NO. 60957		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		