

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP 738 (IL 251)  
(5B-2)M-1  
Bridge Repair Scour Protection  
WINNEBAGO COUNTY

C-92-124-12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-2)M-1	WINNEBAGO	9	1
		ILLINOIS	CONTRACT NO. 64H93	

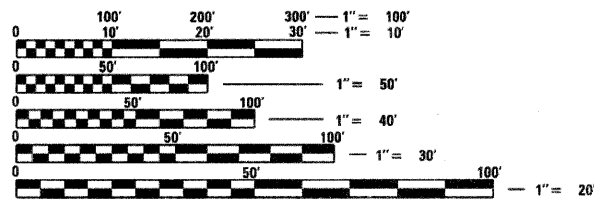
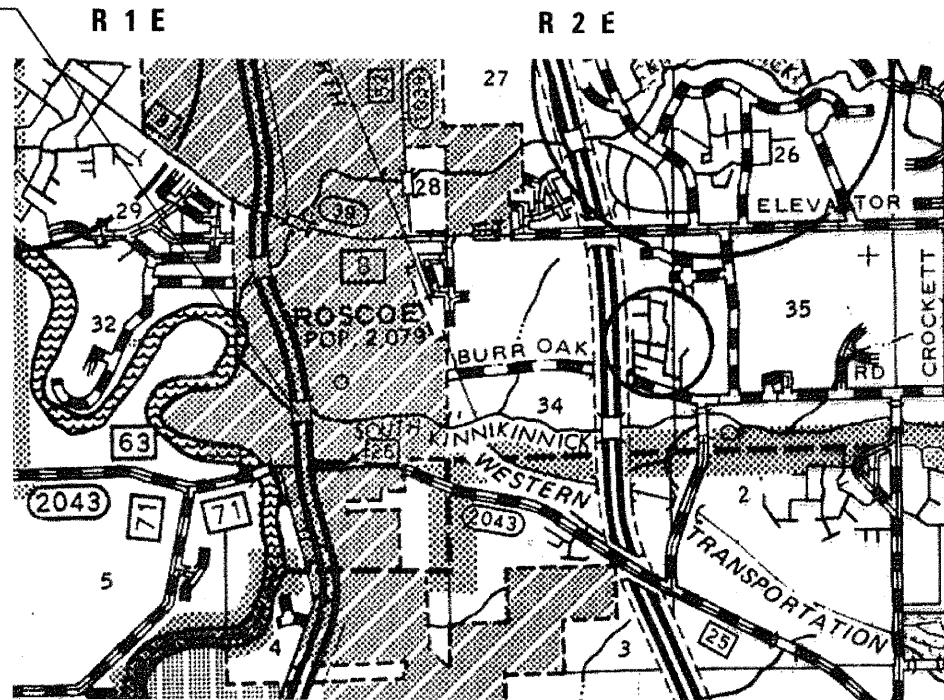
D-92-072-12



FOR INDEX OF SHEETS, SEE SHEET NO. 2

**Project Location**

**Structure No. 101-0037  
101-0038**



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

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

PROJECT ENGINEER: MAHMOUD ETEMADI 815/284-5393

Gross Length = 100 FT = .019 Mile  
Net Length = 100 ft = .019 Mile

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED April 25 2012  
Eric S. Theutshen  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 11 2012  
John D. Baramelli, P.E.  
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 11 2012  
William R. Frey, Jr.  
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

# INDEX OF SHEETS

1. Cover Sheet
2. General Notes & Standards
3. Summary of Quantities
3. Schedule of Quantities
4. Existing Bridge Plans
- 5.-8. Cross Sections
9. Dist. Stand 94.2

# HIGHWAY STANDARDS

- 701101-02 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM EDGE OF PAVEMENT
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 4.5M (15') AWAY, FOR SPEEDS GREATER/EQUAL TO 45-55 MPH
- 701421-04 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS GREATER/EQUAL TO 45-55 MPH
- 701901-02 TRAFFIC CONTROL DEVICES
- 720011-01 METAL POSTS (signs, markers and delineators)
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATION OF TYPE A AND B METAL POSTS

# GENERAL NOTES

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthwork activities, including temporary stockpiling outside the limits of construction.

The contractor shall seed all disturbed areas within the project limits, seeding class 4 shall be used. The work will be included in the contract unit price per Ton for Stone Riprap.

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the Stone Riprap.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

Sand-Filled Geotextile Containers shall be placed under the Stone Riprap. They will be included in the contract unit price per Ton for Stone Riprap.

Work on this project may potentially conflict with work on other contracts in the area. The contractor should be prepared to plan for potential delays and cooperate with contractors on the other projects.

Fertilizer Nutrients shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Section 250 and 252 of the Standard Specifications. This work shall be included in the cost of STONE RIPRAP.

FILE NAME =	USER NAME = Kronshneljg	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
C:\2007\CORS\B-ridge\SCOVER\PLAN\eng.dgn	PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -			73B	5B-2M-1	WINNEBAGO	9	2	
	PLOT DATE = 2/9/2012	CHECKED -	REVISED -			CONTRACT NO. 64H93					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

# SUMMARY OF QUANTITIES

# SCHEDULE OF QUANTITIES

PayItem #	Description	Unit	Total
			Quantity
20200100	EARTH EXCAVATION	CU YD	120
20300100	CHANNNEL EXCAVATION	CU YD	700
28100209	STONE RIPRAP, CLASS A5	TON	1097
67100100	MOBILIZATION	L SUM	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1

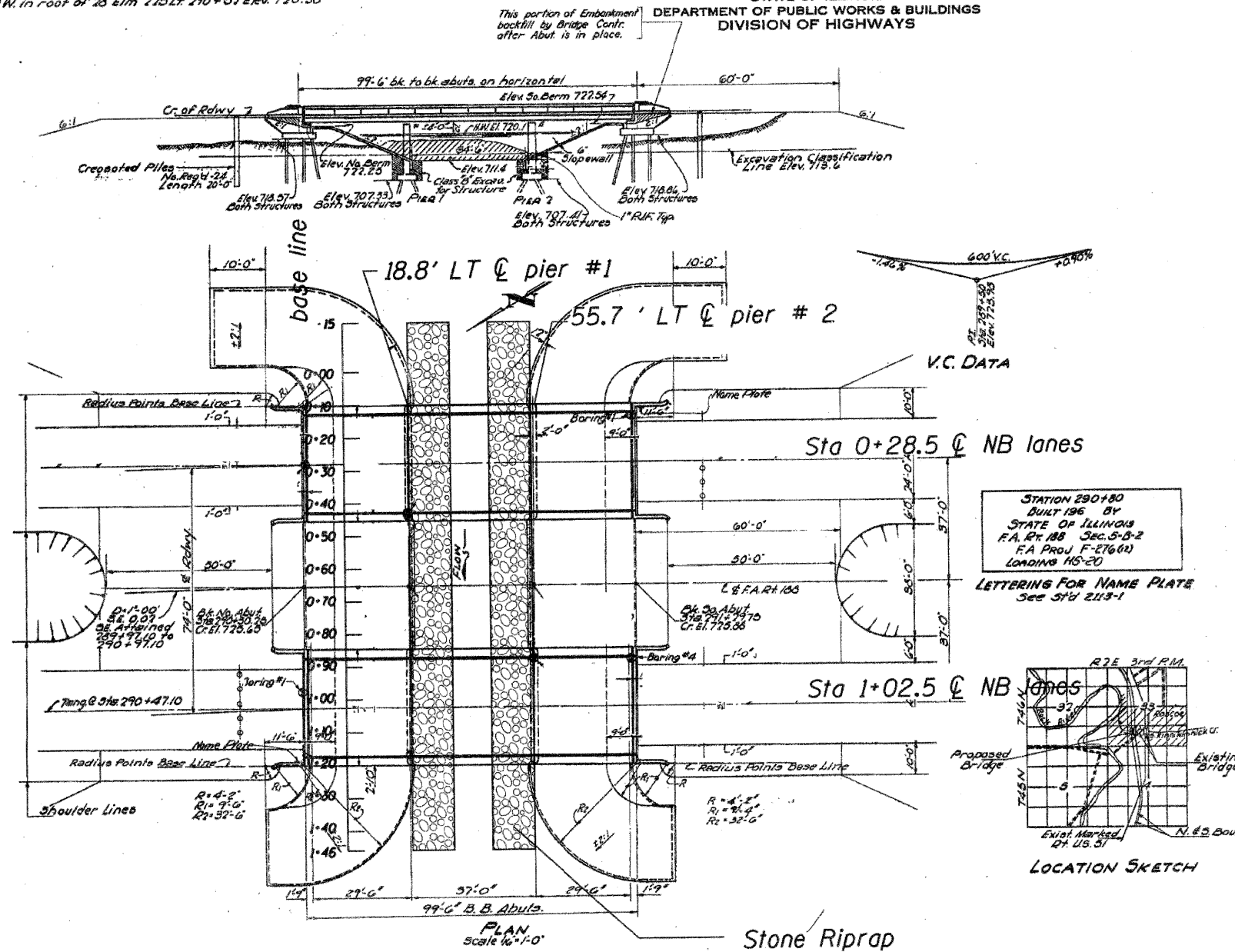
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0014

20200100	EARTH EXCAVATION	CU YD	136	REMARKS
	STA 0+00 TO 1+31			OFFSET 0.0 TO 17.8 FT LT
20300100	CHANNEL EXCAVATION	CU YD	327	REMARKS
	STA 0+00 TO 1+31		347	OFFSET 19.8 TO 30.0 FT LT
	STA 0+00 TO 1+31			OFFSET 44.5 TO 54.8 FT LT
28100209	STONE RIPRAP, CLASS A5	TON	1097	REMARKS
	STA 0+00 TO 1+31			OFFSET 0.0 TO 17.8 FT LT

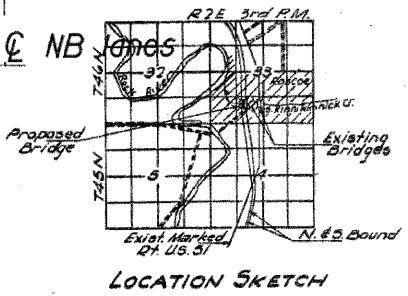
# EXISTING BRIDGE PLANS & PLANS

B.M. Sp. & W. in roof of 13' Elm. 190' L. 794' + 43 Elev. 720.03  
 B.M. Sp. & W. in roof of 25' Elm. 225' L. 790' + 57 Elev. 720.30

STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS



STATION 290+80  
 BUILT 196 BY  
 STATE OF ILLINOIS  
 F.A. RT. 188 SEC. 5-B-2  
 F.A. PROJ. F-276(61)  
 LOADING HS-20  
 LETTERING FOR NAME PLATE  
 See Std 2113-1

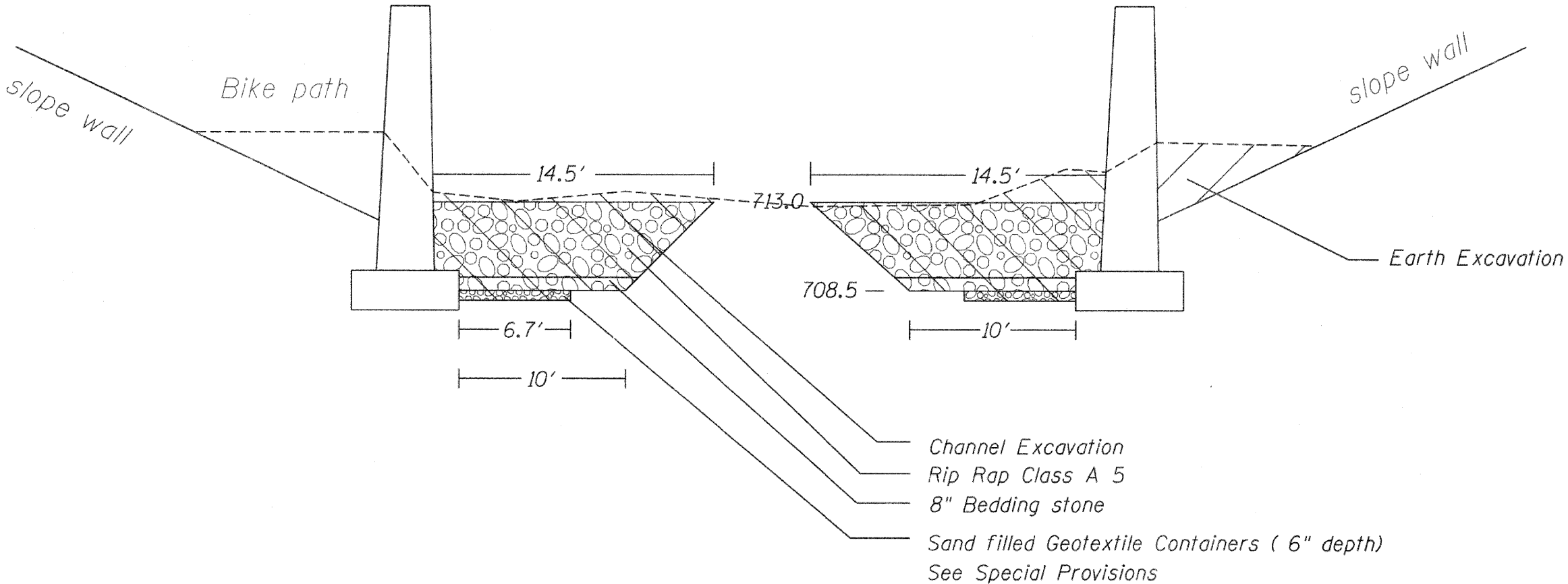


DESIGNED: R.H.T. R.  
 CHECKED: Emerg. Steiner  
 DRAWN: R.P. Spradwell  
 CHECKED: E.S.  
 EXAMINED: W.E. Baumann  
 APPROVED: R.H. Baumann

1. All work shall be done in accordance with the specifications for the project.  
 2. The contractor shall be responsible for obtaining all necessary permits.  
 3. The contractor shall be responsible for maintaining access to adjacent properties.

FILE NAME: C:\2007\CORP\Bridge\SCDWER\PLANeng.dgn	USER NAME: Kronschabl.jg	DESIGNED: _____	REVISED: _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP		F.A.R.T.E.: 738	SECTION: (5B-2M-1)	COUNTY: WINNEBAGO	TOTAL SHEETS: 8	SHEET NO.: 4	
PLOT SCALE: 60,0000' / in.	CHECKED: _____	REVISED: _____	REVISED: _____		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 64H93				
PLOT DATE: 1/31/2012	DATE: _____	REVISED: _____	REVISED: _____		ILLINOIS FED. AID PROJECT							

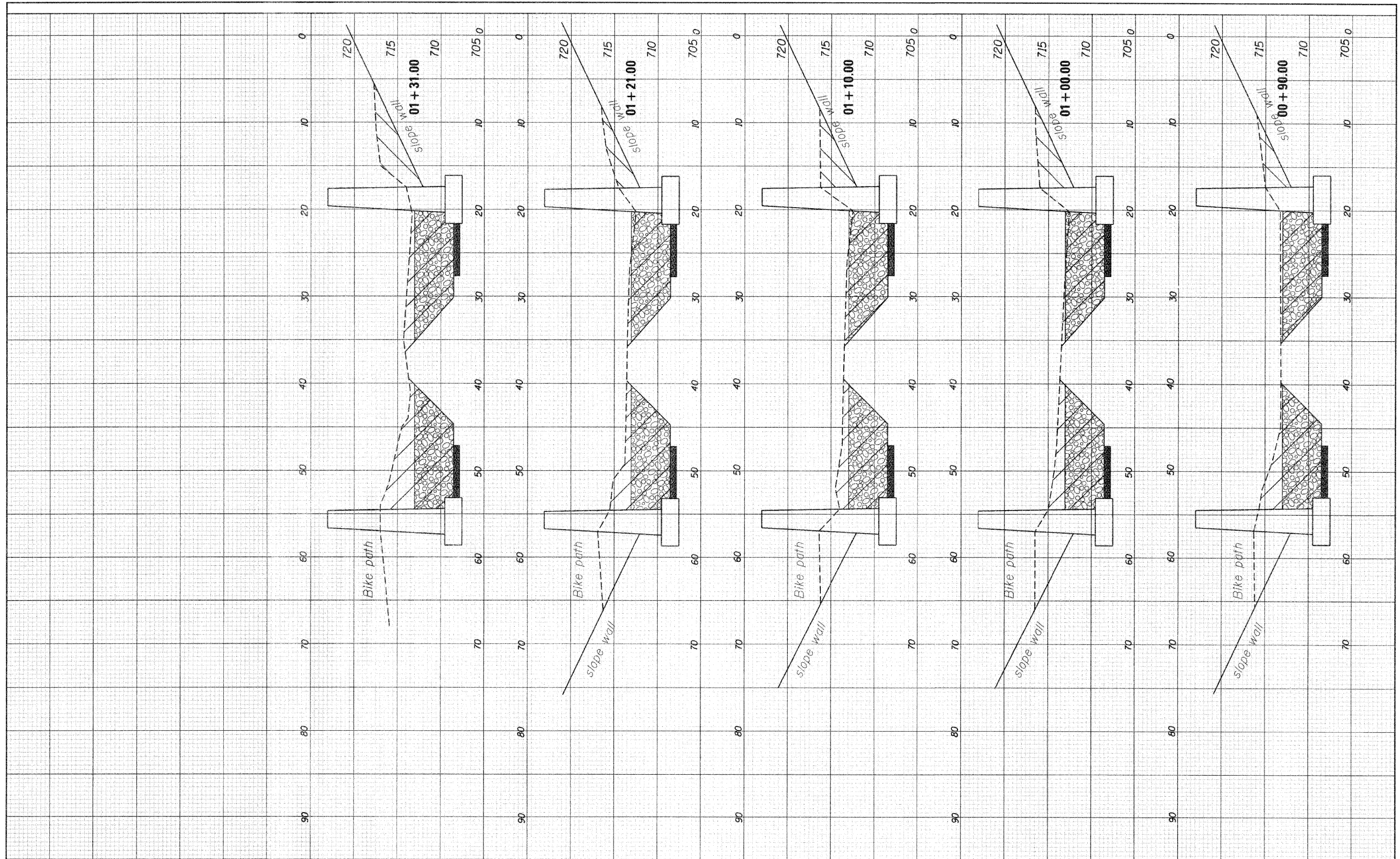
# TYPICAL SECTION



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	PLOT DATE = 1/30/2012	DATE - _____	REVISED - _____		CONTRACT NO. 64M93							

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

ORIGINAL SURVEY  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
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 BY \_\_\_\_\_  
 DATE \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_



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 PLOT DATE = 1/30/2012

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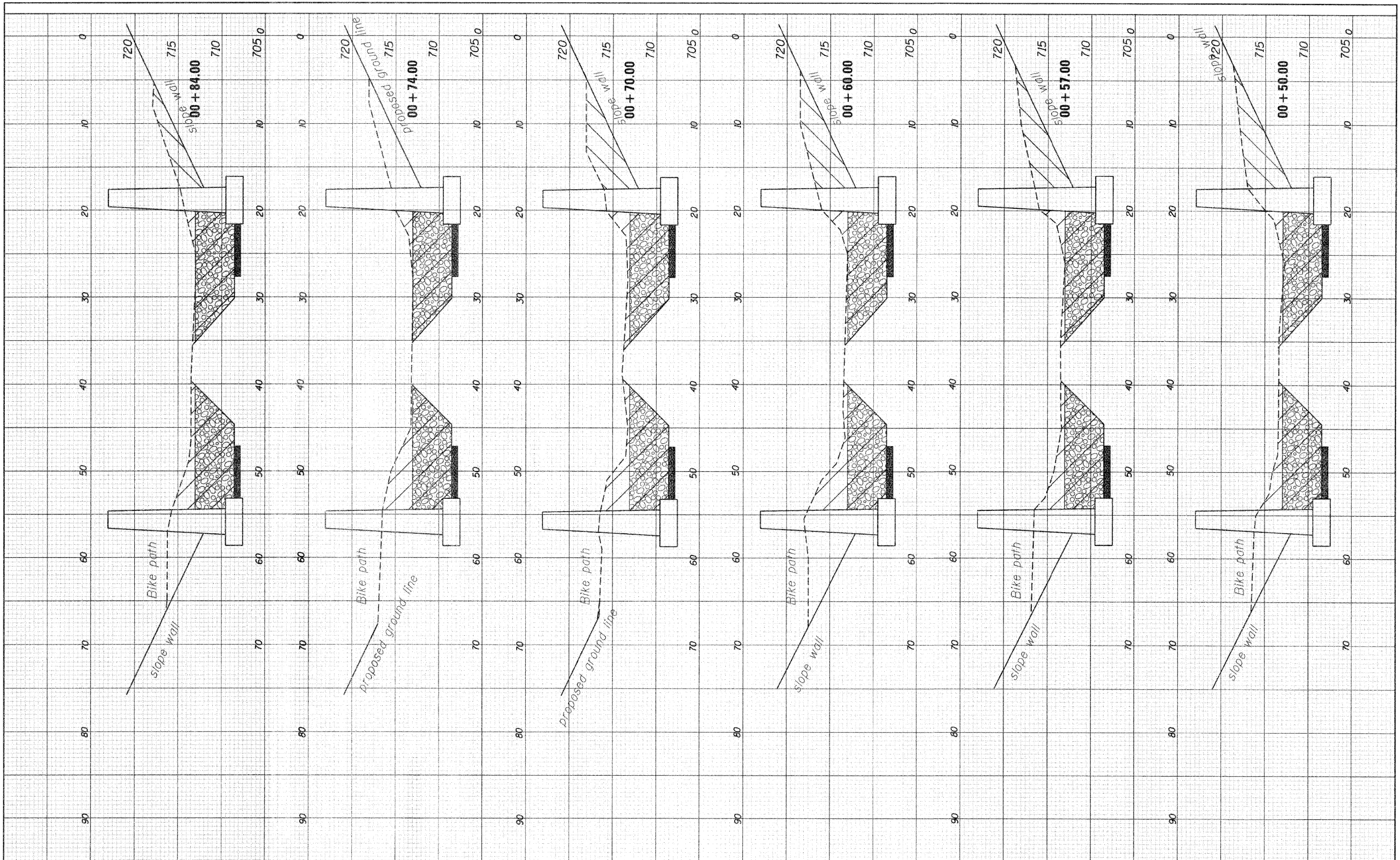
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US BUS 20**  
 SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS STA. 120+50.00 TO STA. 121+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	15B-21M-1	WINNEBAGO	9	6
CONTRACT NO. 64H93			ILLINOIS FED. AID PROJECT	

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 FINAL SURVEY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
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 AREAS CHECKED \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
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 SURVEYED \_\_\_\_\_  
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 PLOT DATE = 1/30/2012

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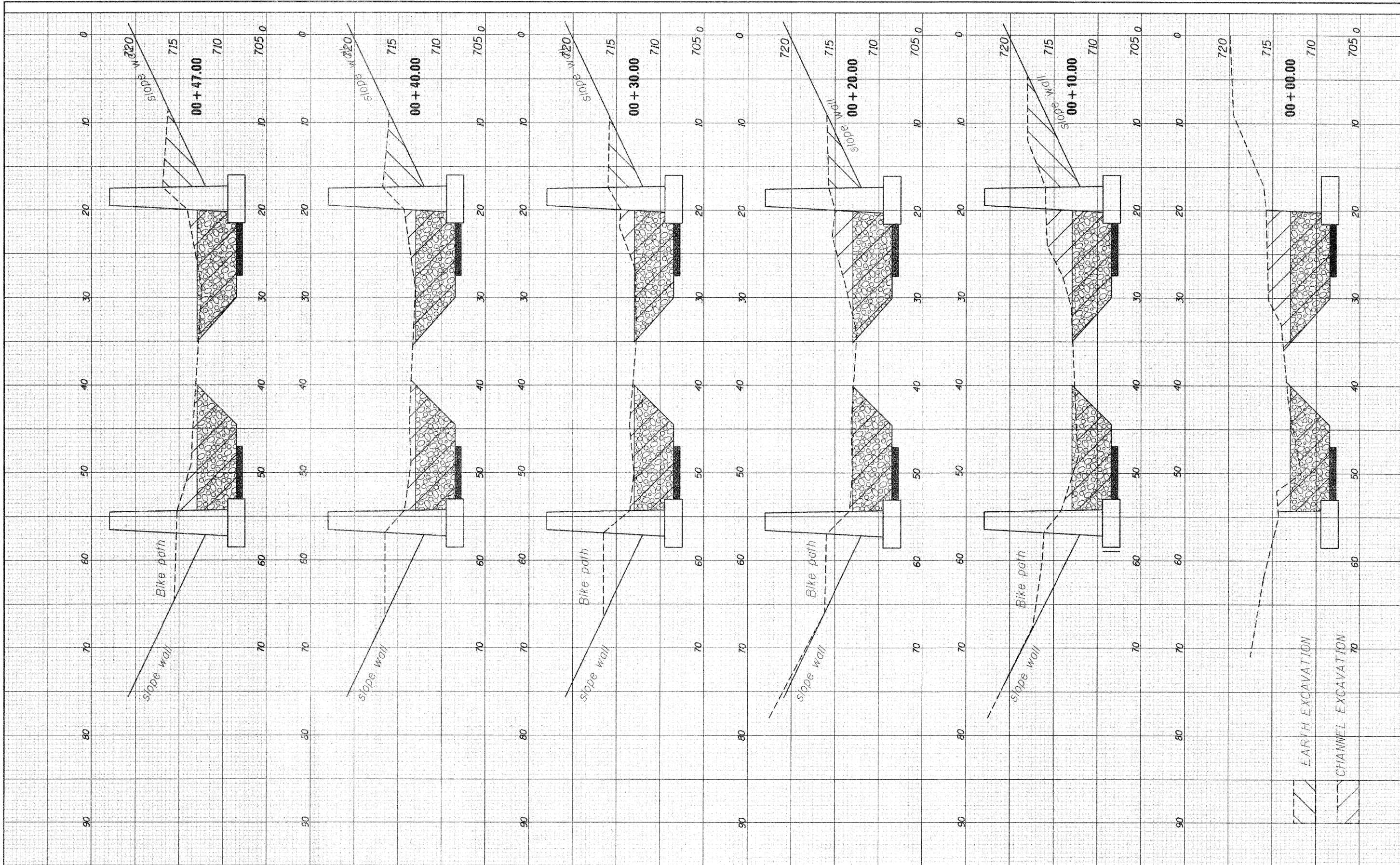
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US BUS 20**  
 SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. 120+50.00 TO STA. 121+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
738	(5B-2)M-1	WINNEBAGO	9	7
CONTRACT NO. 64H93				
ILLINOIS FED. AID PROJECT				

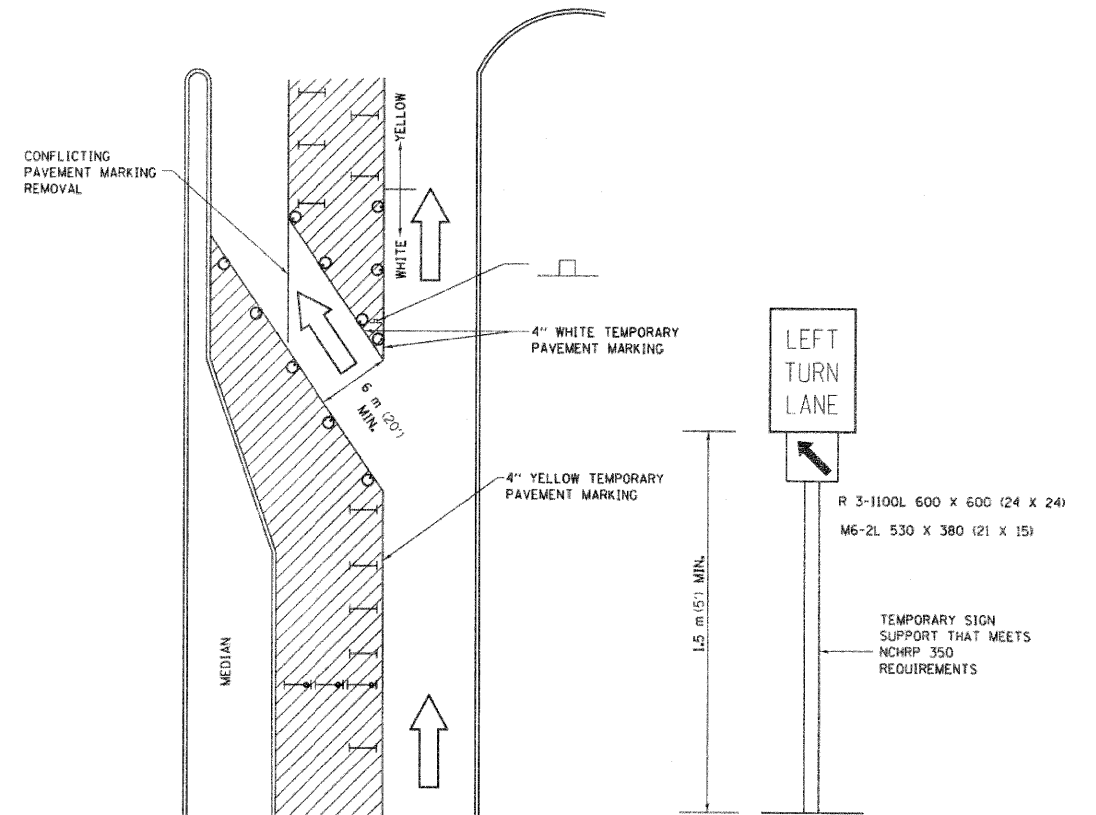
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 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_





# TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

REVISED - 12-09-09

### GENERAL NOTES

- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT.
- STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.
- TEMPORARY PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANES) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 x 24) AND M6-2R 530 x 380 (21 x 15) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

## TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) 94.2

REVISED -	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.B. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		73B	(58-2)M-1	WINNEBAGO	9	9
REVISED -		CONTRACT NO. 64H93				
REVISED -		SCALE: 50:0000	SHEET NO. OF SHEETS		STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT