

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
510	120 GUARDRAIL-1	HANCOCK	7	1
		ILLINOIS	CONTRACT NO. 72D59	

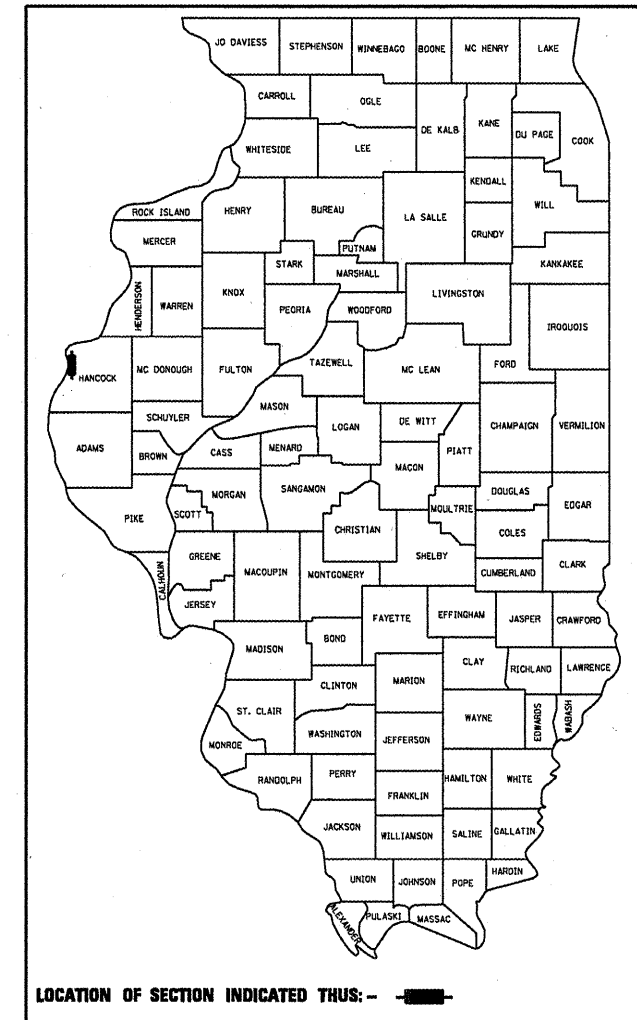
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

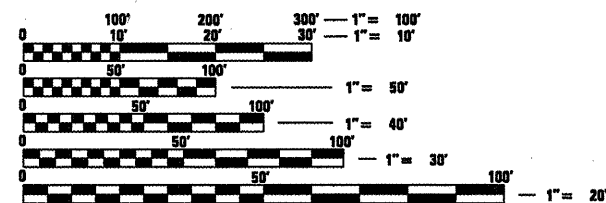
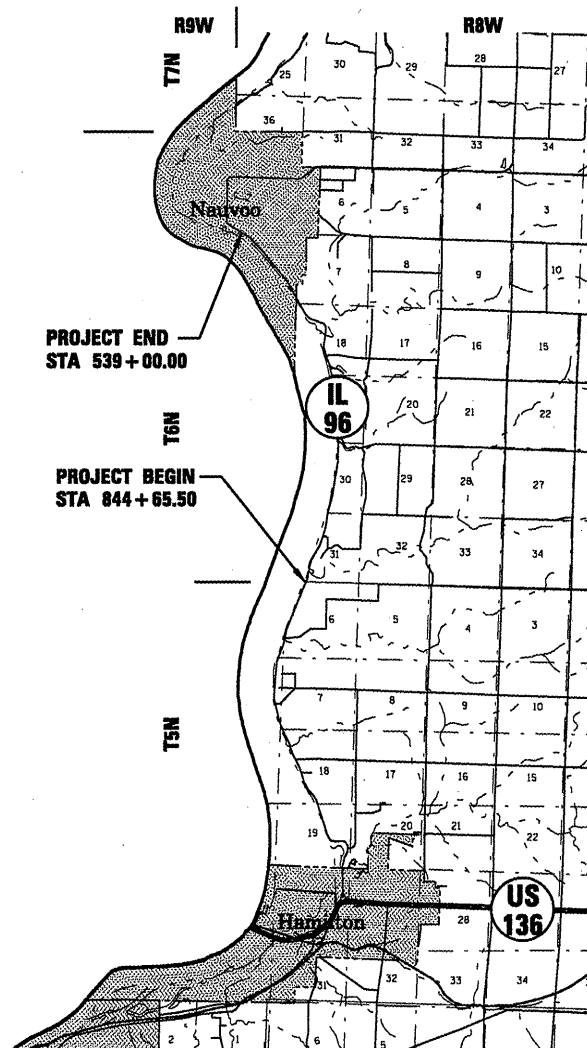
FAP ROUTE 510 (IL 96)
SECTION 120 GUARDRAIL-1
PROJECT
TYPE of IMPROVEMENT
HANCOCK COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

D-96-190-10



C-96-190-10



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: JOHN NEGANGARD 217-782-6990
PROJECT MANAGER: VINCE MADONIA 217-785-9046

CONTRACT NO. 72D59

GROSS AND NET LENGTH = 5.8 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 19 2010
Regan Z. Ornduff
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010
Scott E. Stitt, P.E., I.B.L.
Acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010
Christine M. Reader
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX, STANDARDS, GENERAL NOTES, & SIGNATURES
- 3 SUMMARY OF QUANTITIES
- 4-5 GUARD RAIL SCHEDULE
- 6 LOCATION MAP
- 7 STEEL RAIL, TYPE T-1 DETAILS

GENERAL NOTES:

THE CONTRACTOR SHALL REPLACE ALL GUARD RAIL AND BRIDGE RAIL ON THE SAME DAY THAT IT IS REMOVED. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.

ALL STEEL PLATE BEAM GUARDRAIL THAT ARE PLACED ON TOP OF EXISTING RETAINING WALLS SHALL USE 6' POSTS.

THE INCLUDED QUANTITY FOR FURNISHED EXCAVATION, SPECIAL IS INTENDED FOR BUILDING UP SHOULDERS THAT ARE TOO NARROW OR STEEP TO ACCOMMODATE TRAFFIC BARRIER TERMINALS. THE ENGINEER SHALL DECIDE WHERE FURNISHED EXCAVATION IS NECESSARY. THE FURNISHED EXCAVATION, SPECIAL PAY ITEM SHALL ALSO INCLUDE ALL LABOR AND MATERIAL NECESSARY TO APPLY CLASS 2 SEEDING TO THE FURNISHED EXCAVATION SPECIAL AREAS AS DETAILED IN THE SPECIAL PROVISIONS.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

AGGREGATE BACKFILL USED IN GUARDRAIL POST FOUNDATIONS IN ANY ROCK AREAS SHALL BE CA-11.

STANDARDS

- 630001-08
- 630101-08
- 630301-05
- 635006-03
- 635011-02
- 701001-02
- 701006-03
- 701201-03
- 701901-01
- BLR27-1

DISTRICT SIX	
EXAMINED <u>March 16</u>	20 <u>10</u>
<i>Chris Walker</i>	
OPERATIONS ENGINEER	
EXAMINED <u>MARCH 18</u>	20 <u>10</u>
<i>Jimmy F. L.</i>	
PROGRAM IMPLEMENTATION ENGINEER	
EXAMINED <u>March 15</u>	20 <u>10</u>
<i>QRML</i>	
PROGRAM DEVELOPMENT ENGINEER	

FILE NAME =	USER NAME = madonjav	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = Mar-11-2010 08:01:51AM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.				

Hancock County
100% STATE

Code No.	Item	Unit	Total	SFTY-3J
20200100	EARTH EXCAVATION	CU YD	60.0	60.0
20200200	ROCK EXCAVATION	CU YD	30.0	30.0
20400800	FURNISHED EXCAVATION	CU YD	20.0	20.0
63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	2,387.5	2,387.5
63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	5,437.5	5,437.5
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	3	3
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	24	24
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1
63200310	GUARDRAIL REMOVAL	FOOT	8,595.0	8,595.0
67100100	MOBILIZATION	L SUM	1.0	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
78200410	GUARDRAIL MARKERS, TYPE A	EACH	110	110
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	25.0	25.0
X0323622	AGGREGATE BACKFILL	TON	25.0	25.0
X0325194	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3, SPECIAL	EACH	1	1

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
510	120 GUARDRAIL-1	HANCOCK	7	3
CONTRACT NO. 72D59				
ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULE

LOCATION	STATION TO STATION		SIDE	63100167	63100189	63100075	X0325184	6E+07	6E+07	63200310	78201000	78200410	20200100	20200200	
				TRAF. BARR. TERM TY 1 SPC. (TANGENT)	TRAF. BARR. TERM TY 1 SPC. (FLARED)	TRAF. BARR. TERM. TY 5A	IMPACT ATTN. (FULLY REDIRECTIVE, NARROW) TL3, SPC	SPBGR, 6' POSTS	SPBGR, 8' POSTS		GUARDRAIL REMOVAL	TERMINAL MARKERS- DIRECT APPLIED	GUARDRAIL MARKERS	EARTH EXCAVATION	ROCK EXCAVATION
				EACH	EACH	EACH	EACH	FOOT	FOOT		FOOT	EACH	EACH	CUYD	CUYD
LOC #1	538+00	551+00	RT												
	539+00	539+50	RT	1						1200.00					
	539+50	550+50	RT						1100.00			14			
	550+50	539+50	RT	1								1			
LOCATION #1 SUB-TOTALS				2					1100.00	1200.00	2	14			
LOC #2	564+00	569+00	RT												
	564+00	564+50	RT	1						500.00					
	564+50	568+50	RT					450.00				6			
	568+50	569+00	RT	1								1			
LOCATION #2 SUB-TOTALS				2				450.00		500.00	2	6			
LOC #3	571+95	572+45	LT												
	EARTH EX	571+70	572+20	LT	1					50.00					
	BOTH ENDS	572+20	572+70	LT	1							1	10		
LOCATION #3 SUB-TOTALS				2						50.00	2	1	10		
LOC #4	613+20	613+70	LT												
	EARTH EX	612+95	613+45	LT	1					50.00					
	BOTH ENDS	613+45	613+85	LT	1							1	10		
LOCATION #4 SUB-TOTALS				2					50.00	2	1	10			
LOC #5	615+10	622+10	RT												
	615+10	615+60	RT	1						583.00					
	615+80	621+80	RT					600.00				8			
	621+80	622+10	RT	1								1			
LOCATION #5 SUB-TOTALS				2				600.00		583.00	2	8			
LOC #6	641+78	645+00	LT/RT												
	641+28.75	641+78.75	NW QUAD	1						221.00			4		
	641+78.75	643+01.75	NW QUAD					125.00				1	2		
	643+01.75	643+15	NW QUAD			1									
	641+78.75	642+28.75	NE QUAD	1								1			
	642+28.75	643+01.75	NE QUAD					75.00					2		
	643+01.75	643+15	NE QUAD			1									
	ROCK EX	644+50	644+87	SW QUAD					1					10	
ROCK EX	644+50	644+63.75	SE QUAD			1							10		
ROCK EX	644+63.75	644+88.25	SE QUAD	1								1	10		
LOCATION #6 SUB-TOTALS				3		3	1	200.00		221.00	3	8			
LOC #9	672+50	684+50	RT												
	672+50	673+00	RT		1					1196.00					
	673+00	684+00	RT					1100.00				14			
	684+00	684+50	RT	1								1			
LOCATION #9 SUB-TOTALS				1	1			1100.00		1196.00	2	14			
LOC #10	692+50	693+00	LT												
	EARTH EX	692+25	692+75	LT	1					50.00				10	
	BOTH ENDS	692+75	693+25	LT	1							1	10		
LOCATION #10 SUB-TOTALS				2					50.00	2	2				

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULES
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
910	120 GUARDRAIL-1	HANCOCK	7	4
CONTRACT NO. 72059				
ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULE

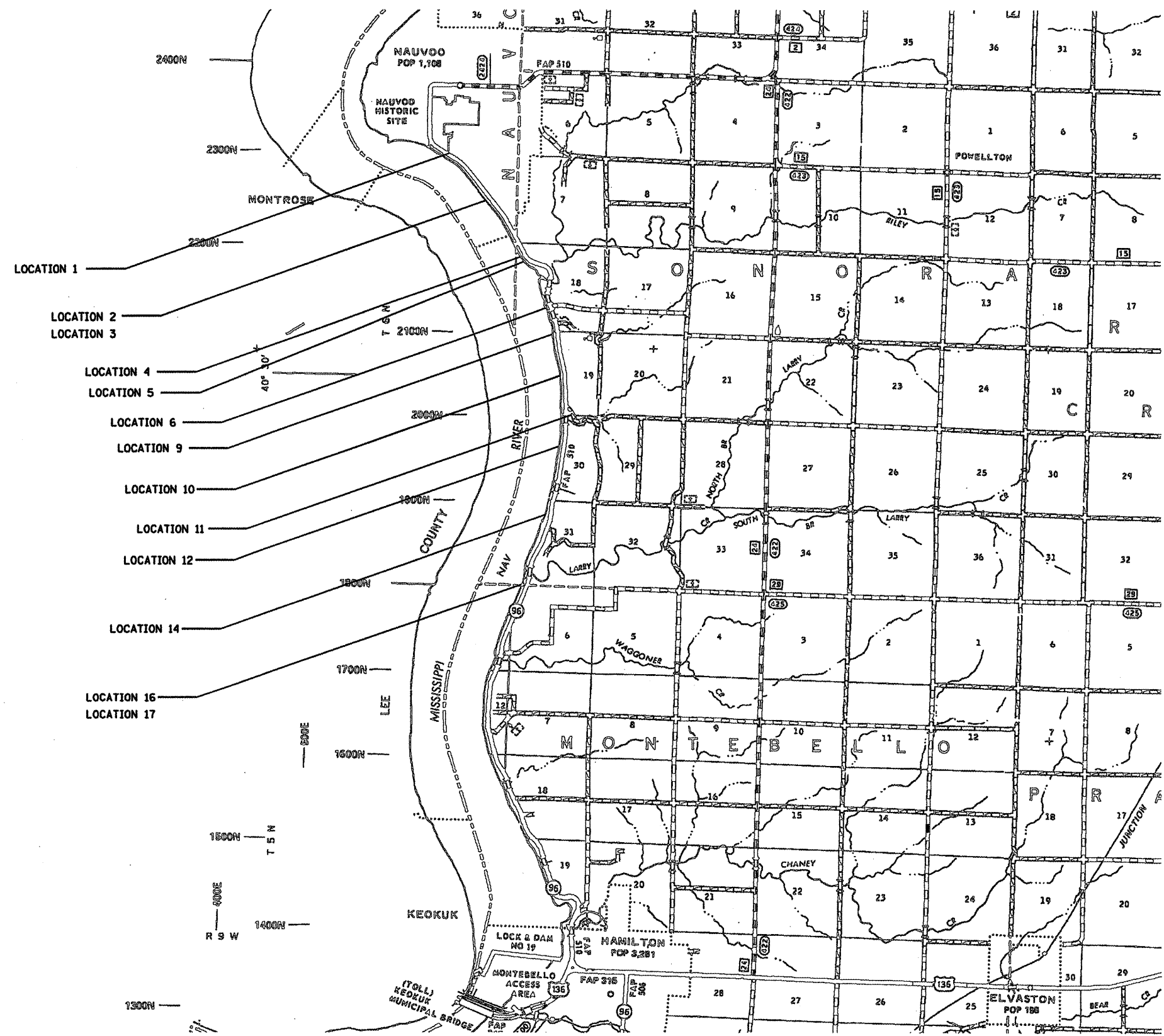
LOCATION	STATION TO STATION		SIDE	63100167	63100169	63100075	X0325194	6E+07	6E+07	63200310	78201000	78200410	20200100	20200200
				TRAF. BARR. TERM TY 1 SPC. (TANGENT)	TRAF. BARR. TERM TY 1 SPC. (FLARED)	TRAF. BARR. TERM. TY 5A	IMPACT ATTN. (FULLY REDIRECTIVE, NARROW) TL3 SPC	SPBGR, 6' POSTS	SPBGR, 9' POSTS	GUARDRAIL REMOVAL	TERMINAL MARKERS- DIRECT APPLIED	GUARDRAIL MARKERS	EARTH EXCAVATION	ROCK EXCAVATION
LOC #12	733+25	757+98	RT											
	733+25	733+75	RT	1						2473.00				
	733+75	757+50	RT					2375.00			1	30		
	757+50	768+00	RT	1							1			
LOCATION #12 SUB-TOTALS				2				2375.00		2473.00	2	30		
LOC #14	778+28	794+82	RT							1654.00				
	778+19.50	778+99.50	RT	1							1			
	778+99.50	794+32	RT					1592.50				20		
	794+32	794+82	RT	1							1			
LOCATION #14 SUB-TOTALS				2				1592.50		1654.00	2	20		
LOC #16	840+50	844+46	RT							396.00				
	840+46	840+66	RT	1							1			
	840+66	843+96	RT					400.00				5		
	843+96	844+46	RT	1							1			
LOCATION #16 SUB-TOTALS				2				400.00		396.00	2	5		
LOC #17	843+28	844+40	RT							112.00				
	843+28	843+78	RT	1							1			
	843+78	844+15.50	RT					37.50				1		
	844+15.50	844+65.50	RT	1							1			
LOCATION #17 SUB-TOTALS				2				37.50		112.00	2	1		
JOB TOTAL				24	1	3	1	2387.50	5437.50	8595.00	25	110	60	30
				EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
510	120 GUARDRAIL-1	HANCOCK	7	5
CONTRACT NO. 72D59				
ILLINOIS FED. AID PROJECT				



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CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION MAP

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
510	120 GUARDRAIL-1	HANCOCK	7	6
CONTRACT NO. 72D59				
ILLINOIS FED. AID PROJECT				

