

STATE OF ILLINOIS
WINNEBAGO COUNTY HIGHWAY DEPARTMENT
 PLANS FOR PROPOSED
 AMERICAN RECOVERY AND REINVESTMENT ACT
 IMPROVEMENTS

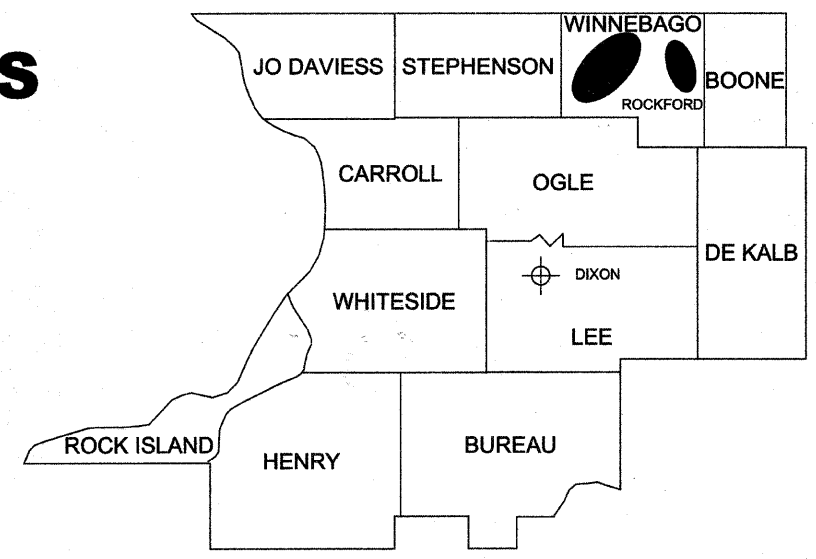


ROUTE: VARIOUS COUNTY HIGHWAYS
SECTION: 08-00437-00-GR
PROJECT NO.: ARA-0201(027)

RMAP GUARDRAIL SAFETY UPGRADES AND REPAIRS
 JOB NO.: C-92-172-09
 CONTRACT NO.: 85481

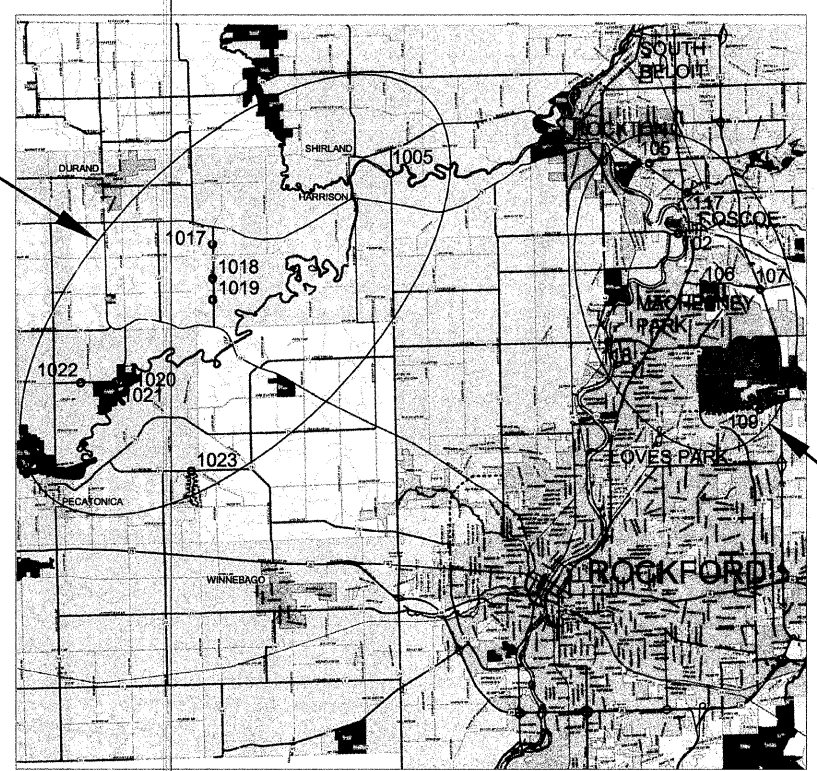
INDEX OF SHEETS

NO.	NAME
1.	TITLE SHEET
2.	SUMMARY OF QUANTITIES & GENERAL NOTES
3.	GUARDRAIL LAYOUTS - SECTION 1
4.	GUARDRAIL LAYOUTS - SECTION 2



⊕ DISTRICT HEADQUARTERS ● PROJECT LOCATIONS

SECTION 2 (ARR FUNDING)
8 RURAL SITES



SECTION 1 (ARU FUNDING)
7 URBAN SITES

STANDARDS

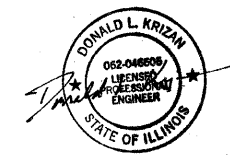
NO.	NAME
630001-08	STEEL PLATE BEAM GUARDRAIL
630101-08	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-05	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-05	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-07	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701006-03	OFF-RD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

SITE LOCATIONS

NO.	CO.	HWY.	TWP	P.M.	T	R	SEC.
102	63		ROCKTON	3rd	45N	2E	4
105	68		ROCKTON	3rd	46N	2E	29
106	87		HARLEM	3rd	45N	2E	9
107	87		HARLEM	3rd	45N	2E	11
109	25		HARLEM	3rd	45N	2E	26
117	8		ROSCOE	3rd	46N	2E	28
118	17		HARLEM / OWEN	3rd	45N	2E	18/19
1005	24		HARRISON*	4th	28N	11E	12*
1017	23		HARRISON	4th	28N	11E	19
1018	23		HARRISON	4th	28N	11E	30
1019	23		HARRISON	4th	28N	11E	31
1020	83		PECATONICA	4th	27N	10E	10
1021	83		PECATONICA	4th	27N	10E	10
1022	83		PECATONICA	4th	27N	10E	9
1023	81		PECATONICA	4th	27N	10E	24/25

*BORDERING ROCKTON AND SHIRLAND TOWNSHIPS,
 3rd PRINCIPAL MERIDIAN, T46N, R1E, SEC 30

CALL J.U.L.I.E.
BEFORE YOU DIG
 1-800-892-0123
 SEE
 "SITE LOCATIONS"



THESE PLANS PREPARED BY:
WINNEBAGO COUNTY HIGHWAY DEPARTMENT

 ENGINEER
 LICENSE EXPIRES 11/30 2009

APPROVED August 10, 2009

 WINNEBAGO COUNTY ENGINEER

PASSED August 14 2009

 DISTRICT 2 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW August 14 2009

 DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

SUMMARY OF QUANTITIES
 CONSTRUCTION TYPE CODE: SFTY 3J

Item	Pay Item Number	Pay Item Description	Unit of Measure	Quantity
1	63000001	STEEL PLATE BEAM GUARDRAIL, TY A, 6 FT POSTS	FOOT	5765
2	63000025	STEEL PLATE BEAM GUARDRAIL, ATTACH TO STR	FOOT	150
3	63100045	TRAFFIC BARRIER TERMINAL, TY 2	EACH	9
4	63100070	TRAFFIC BARRIER TERMINAL, TY 5	EACH	2
5	63100085	TRAFFIC BARRIER TERMINAL, TY 6	EACH	4
6	63100167	TRAFFIC BARRIER TERMINAL, TY 1 (SP) TANGENT	EACH	45
7 *	63200310	GUARDRAIL REMOVAL	FOOT	5176
8 *	63500105	DELINEATOR	EACH	58
9	67100100	MOBILIZATION	L SUM	1
10	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
11	78200410	GUARDRAIL MARKER, TY A	EACH	129
12	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	45

* SEE SPECIAL PROVISIONS

GENERAL NOTES

- GUARDRAIL REMOVAL SHALL INCLUDE DISMANTLING, LOADING, HAULING, DISPOSAL, AND RESTORATION OF THE SITE IN PREPARATION FOR INSTALLATION OF NEW GUARDRAIL.
- PRIOR TO THE COMMENCEMENT OF WORK BY THE CONTRACTOR AT EACH SITE, ALL REQUIRED GRADING OF SHOULDERS, FRONT SLOPES, AND GUARDRAIL TERMINATION POINTS WILL HAVE BEEN COMPLETED BY ANOTHER PARTY. THE FURNISHING OF MATERIALS AND PERFORMANCE OF GRADING IS NOT INCLUDED WITH THE WORK ON THIS CONTRACT.
- THE COST OF REMOVING AND REPLACING EARTH AND SHOULDER MATERIAL NECESSARY FOR INSTALLATION OF STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURE, WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THIS ITEM. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK ALL FIELD CONDITIONS WHICH RELATE TO THIS ITEM AS WELL AS TO ALL ITEMS ASSOCIATED WITH THIS CONTRACT.
- ANY COST ASSOCIATED WITH FURNISHING AND INSTALLING SHORT RADIUS GUARDRAIL (AT FIVE SITES AS INDICATED IN THE GUARDRAIL LAYOUTS) WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS.
- ONCE WORK IS BEGUN ON A CONTINUOUS RUN OF GUARDRAIL, ALL OF THE GUARDRAIL THAT IS REMOVED IN THAT RUN MUST BE REPLACED WITH NEW GUARDRAIL IN THE SAME DAY AND THE NEW GUARDRAIL SHALL BE TEMPORARILY CONNECTED TO ANY REMAINING OLD GUARDRAIL IN A MANNER APPROVED BY THE ENGINEER.
- WORK AREAS SHALL BE LEFT IN SAFE AND ORDERLY CONDITION. NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROAD OR SHOULDERS DURING NON-WORKING HOURS.
- ALL GUARDRAIL AND TERMINAL MARKERS SHALL BE INSTALLED IN THE SAME DAY THAT THE GUARDRAIL AND TERMINAL SECTIONS TO WHICH THEY ARE TO BE ATTACHED ARE INSTALLED. GUARDRAIL MARKERS SHALL NOT BE ATTACHED TO TERMINAL SECTIONS.
- WHERE GUARDRAIL IS TO BE REMOVED ON BOTH SIDES OF THE ROAD, REPLACEMENT ON ONE SIDE SHALL BE COMPLETE BEFORE REMOVAL ON THE SECOND SIDE SHALL BEGIN.
- AT BRIDGE LOCATIONS, FLAGGERS WILL NOT BE ALLOWED TO STAND ON THE BRIDGE TO PERFORM FLAGGING OPERATIONS. FLAGGERS WILL BE REQUIRED TO OPERATE AT OR NEAR THE BRIDGE APPROACHES IN ORDER TO PROVIDE AN ACCEPTABLE ESCAPE ROUTE.

SCHEDULE OF WORK:

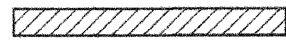
ITEMS	SECTION 1							SECTION 2							TOTALS	
	SITE 102	SITE 105	SITE 106	SITE 107	SITE 109	SITE 117	SITE 118	SITE 1005	SITE 1017	SITE 1018	SITE 1019	SITE 1020	SITE 1021	SITE 1022		
1. Install SPBGR	375'	1025'	150'	450'	438'	25'	88'	375'	400'	488'	238'	300'	463'	375'	575'	5765'
2. Install SPBGR (ATS)	--	--	--	--	--	--	--	--	25'	25'	--	--	--	25'	75'	150'
3. Install TBT-TY2	--	--	--	2	--	--	--	2	1	--	3	--	--	1	--	9
4. Install TBT-TY5	1	--	--	--	--	--	1	--	--	--	--	--	--	--	--	2
5. Install TBT-TY6	--	--	--	--	--	--	--	4	--	--	--	--	--	--	--	4
6. Install TBT-TY1SP TAN	1	4	4	2	3	4	4	2	3	4	1	2	4	3	4	45
7. Remove Guardrail	465'	1225'	300'	225'	590'	100'	300'	400'	200'	250'	200'	406'	350'	165'	--	5176'
8. Install Delineator	4	4	4	4	4	4	4	4	4	4	4	2	4	4	4	58
11. Install GR Mrkr	6	17	5	11	8	10	8	10	8	9	6	5	9	7	10	129
12. Install Terminal Mrkr	1	4	4	2	3	4	4	2	3	4	1	2	4	3	4	45

ATS - Attached to Structure
 GR - Guardrail
 SPBGR - Steel Plate Beam Guardrail
 SR - Short Radius
 TBT - Traffic Barrier Terminal

GUARDRAIL LAYOUTS

LEGEND:

Remove Guardrail (all components)



Install Guardrail (all components)



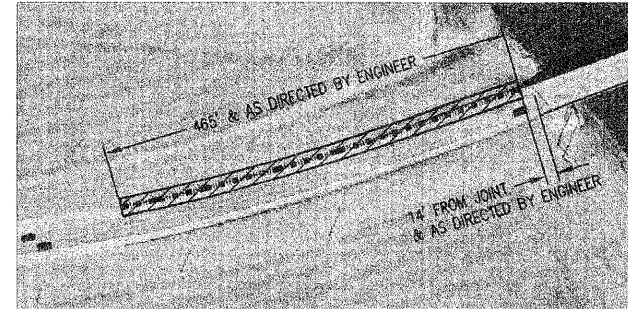
ATS - Attached to Structure

SR - Short Radius (Guardrail)

R - Radius

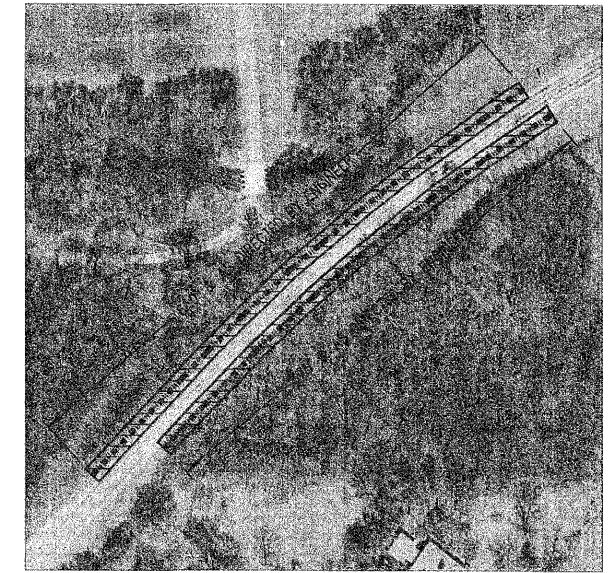
SECTION 1 (ARU FUNDING) 7 URBAN SITES

SITE 102 - ROCKTON RD (CH 63) @ ROCK RIVER



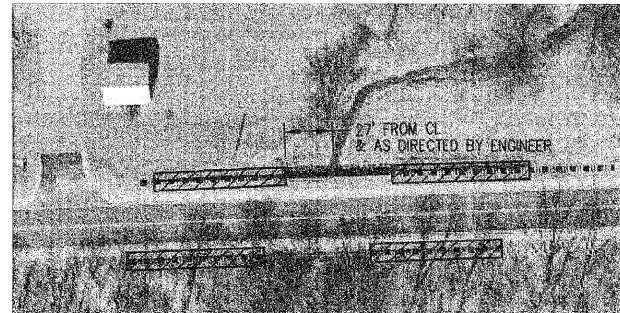
1 - TY 5; 1 - TY 1 (SP) TAN SCALE: 1"=100'

SITE 105 - McCURRY RD (CH 68)
600 FT N OF HONONEGAH RD (CH 8)



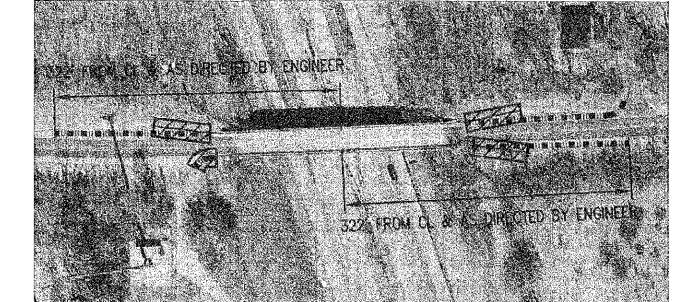
4 - TY 1 (SP) TAN SCALE: 1"=100'

SITE 106 - SWANSON RD (CH 87) @ McDONALD CR
0.6 MI E OF IL 251



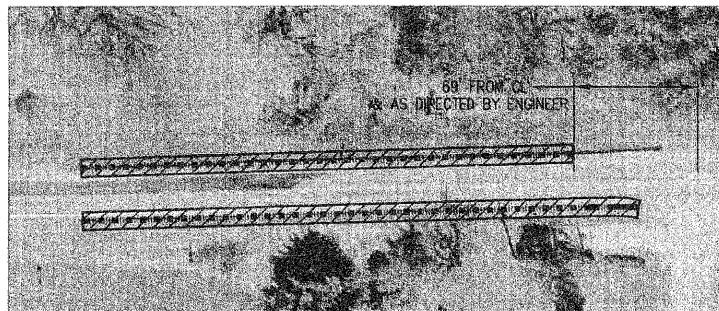
4 - TY 1 (SP) TAN SCALE: 1"=50'

SITE 107 - SWANSON RD (CH 87) @ I-90



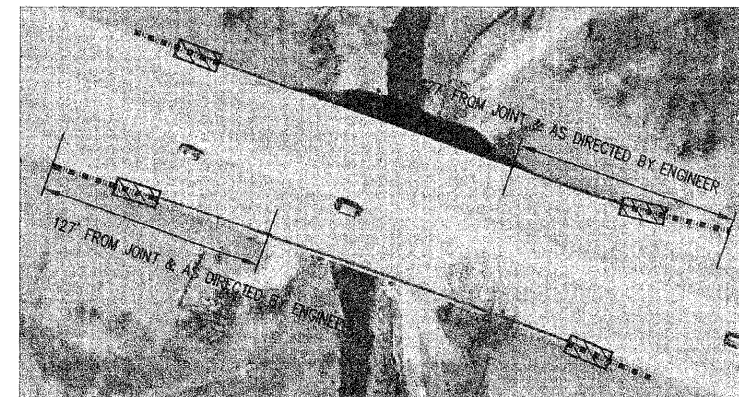
2 - TY 2; 2 - TY 1 (SP) TAN; 50' SR (20' R; 2 LOC'NS) SCALE: 1"=100'

SITE 109 - HARLEM RD (CH 25)
0.6 MI W OF I-90 &
200 FT W OF LAKE CREST RD



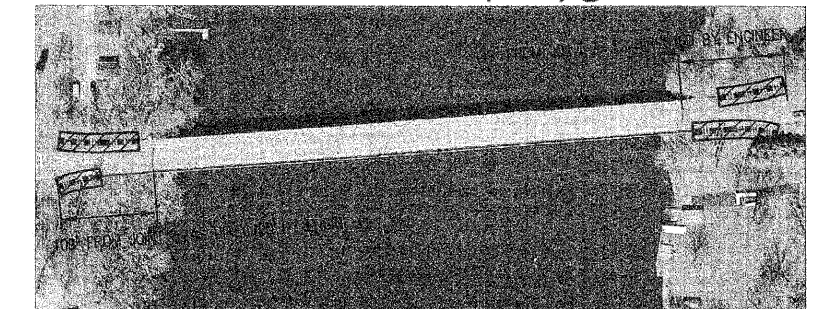
3 - TY 1 (SP) TAN SCALE: 1"=50'

SITE 117 - ELEVATOR RD (CH 8)
945 FT E OF IL 251



4 - TY 1 (SP) TAN SCALE: 1"=50'

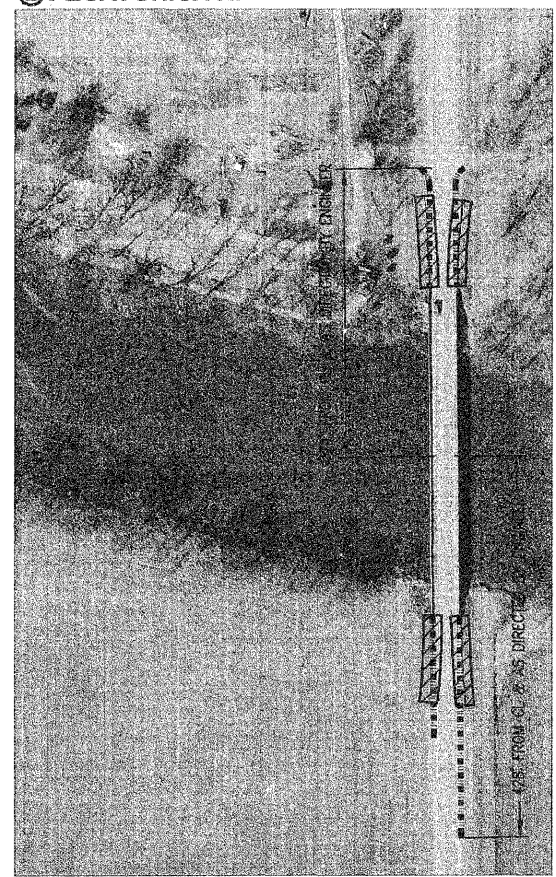
SITE 118 - LATHAM RD-RALSTON RD (CH 17) @ ROCK RIVER



1 - TY 5; 4 - TY 1 (SP) TAN SCALE: 1"=100'

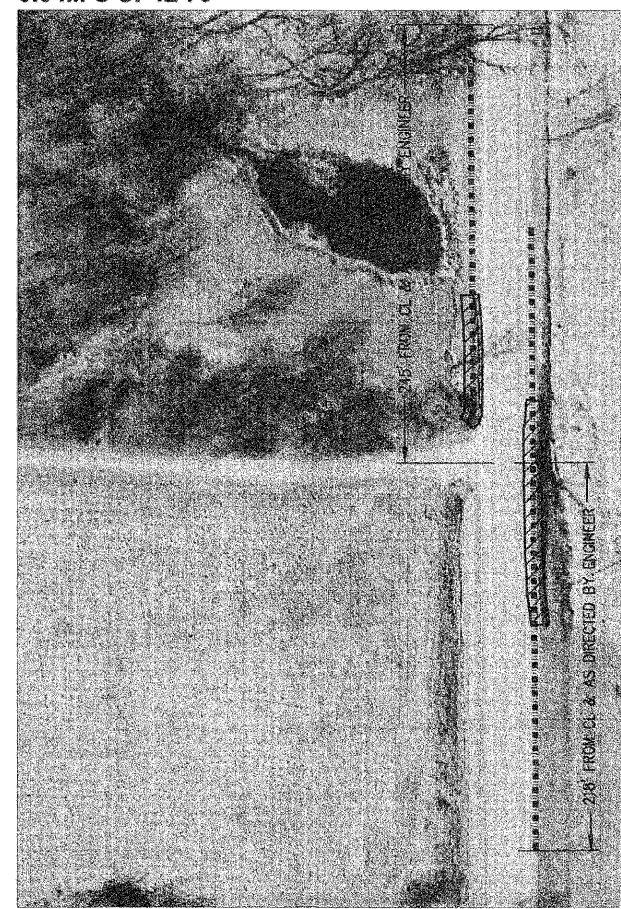
SECTION 2 (ARR FUNDING) 8 RURAL SITES

**SITE 1005 - MERIDIAN RD (CH 24)
 @ PECATONICA R.**



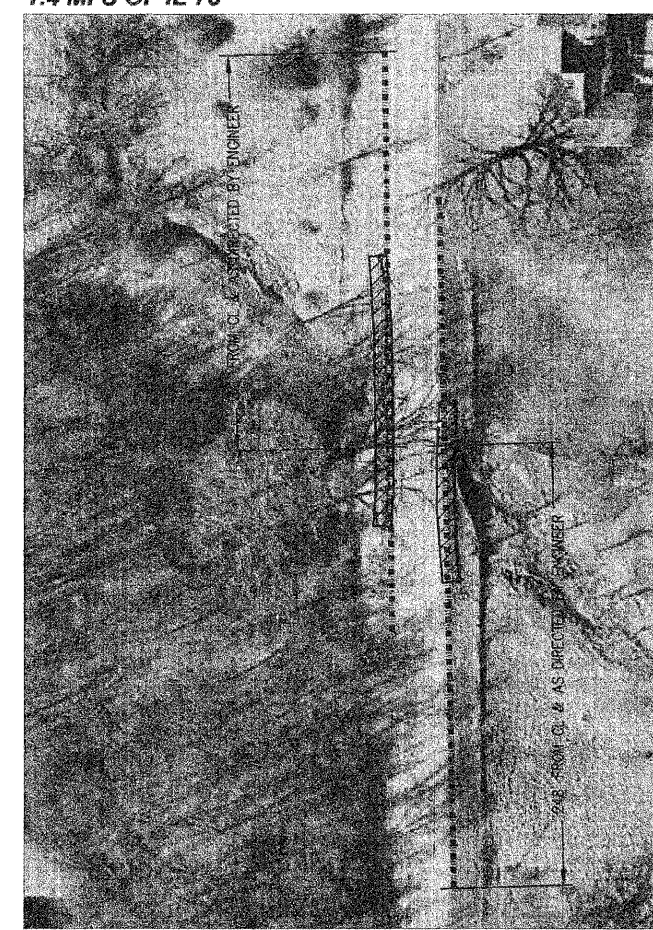
2 - TY 2; 4 - TY 6;
 2 - TY 1 (SP) TAN;
 50' SR (20' R; 2 LOC'NS)
 SCALE: 1"=100'

**SITE 1017 - MOATE RD (CH 23) @ UN-NAMED CR
 0.5 MI S OF IL 75**



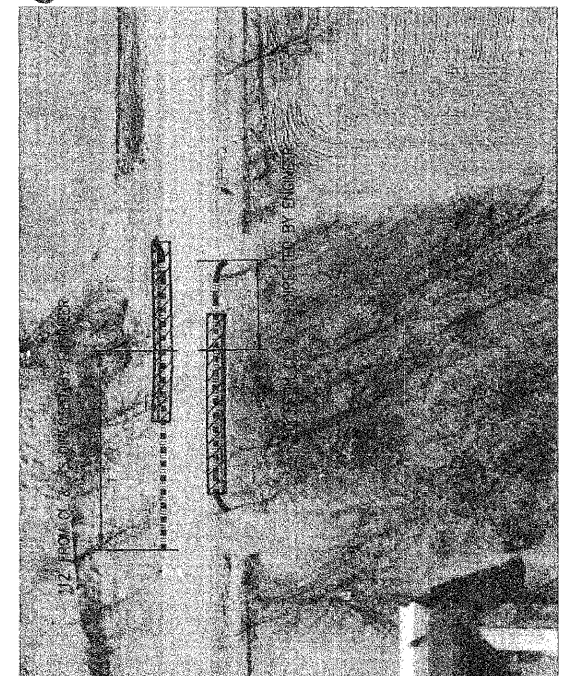
25' ATS (Case I or II); 1 - TY 2;
 3 - TY 1 (SP) TAN;
 13' SR (10' R; 1 LOC'N)
 SCALE: 1"=50'

**SITE 1018 - MOATE RD (CH 23) @ HUNGRY RUN
 1.4 MI S OF IL 75**



36' ATS (Case IV);
 4 - TY 1 (SP) TAN
 SCALE: 1"=50'

**SITE 1019 - MOATE RD (CH 23)
 @ UN-NAMED CR 2.0 MI S OF IL 75**



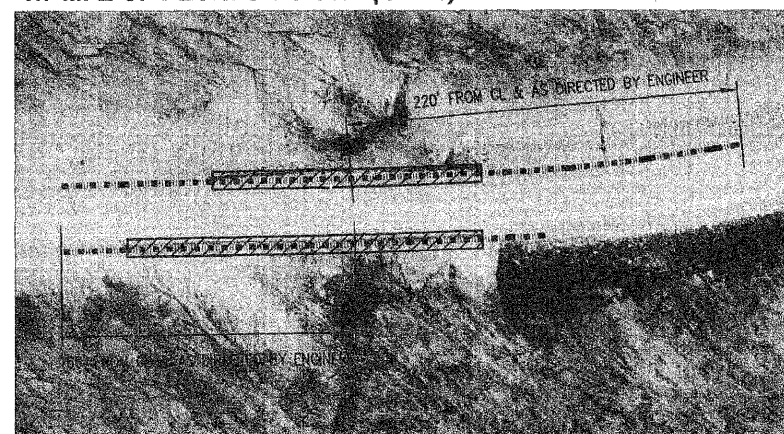
3 - TY 2; 1 - TY 1 (SP) TAN;
 38' SR (10' R; 3 LOC'NS)
 SCALE: 1"=50'

**SITE 1020 - BRICK SCHOOL RD (CH83)
 2.0 MI E OF PECATONICA RD (CH18)**



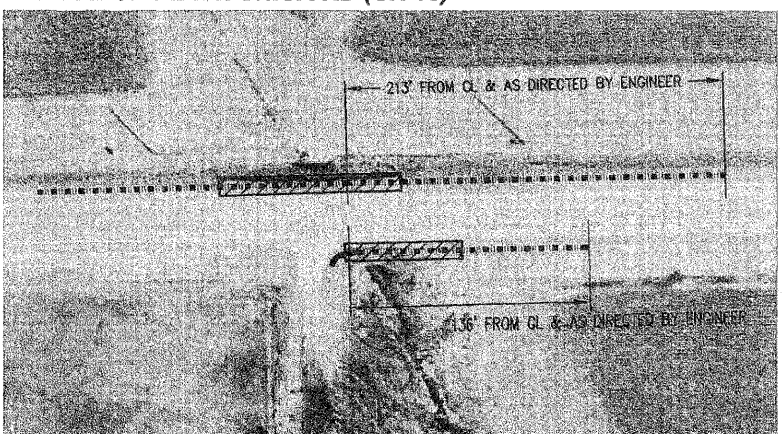
2 - TY 1 (SP) TAN
 SCALE: 1"=100'

**SITE 1021 - BRICK SCHOOL RD (CH 83) @ BEAVER RUN
 1.7 MI E OF PECATONICA RD (CH 18)**



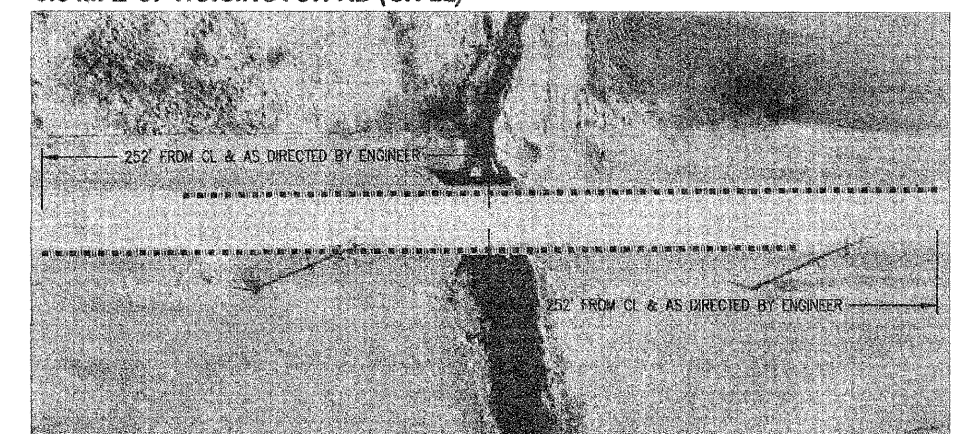
4 - TY 1 (SP) TAN
 SCALE: 1"=50'

**SITE 1022 - BRICK SCHOOL RD (CH 83) @ UN-NAMED CR
 0.8 MI E OF PECATONICA RD (CH 18)**



25' ATS (Case IV); 1 - TY 2; 3 - TY 1 (SP) TAN; 13' SR (10' R; 1 LOC'N)
 SCALE: 1"=50'

**SITE 1023 - SAUNDERS RD (CH 81) @ COOLIDGE CR
 0.8 MI E OF HOISINGTON RD (CH 22)**



75' ATS (Case IV); 4 - TY 1 (SP) TAN
 SCALE: 1"=50'

REVISED 08/13/2009 BY DLK