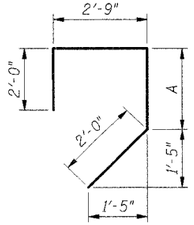
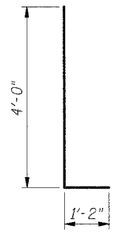
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	97-00025-00-BR	WILL	156	130
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO: 83757

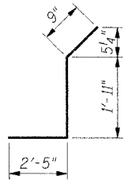


BARS u3(E) thru u18(E)

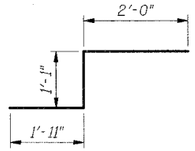
Bar	A
u3(E)	1'-3"
u4(E)	1'-4"
u5(E)	1'-5"
u6(E)	1'-6"
u7(E)	1'-7"
u8(E)	1'-8"
u9(E)	1'-9"
u10(E)	1'-10"
u11(E)	2'-1"
u12(E)	2'-3"
u13(E)	2'-6"
u14(E)	2'-9"
u15(E)	2'-11"
u16(E)	3'-2"
u17(E)	3'-5"
u18(E)	3'-8"



BAR n2(E)

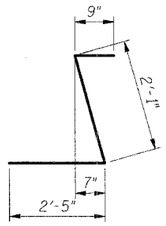


BAR h11(E)

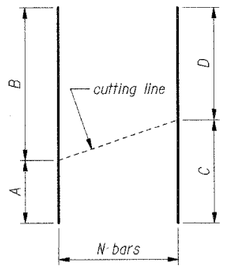


BAR h10(E)

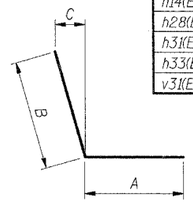
Bar	A	B	C	D	N
h34(E)	5'-9"	18'-2"	18'-2"	5'-9"	2
v14(E)	11'-8"	16'-5"	16'-5"	11'-8"	3
v15(E)	10'-1½"	16'-0½"	16'-0½"	10'-1½"	2
v28(E)	10'-9"	15'-7"	15'-7"	10'-9"	3



BAR h8(E)

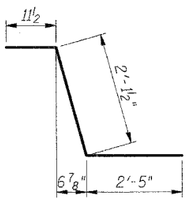


BARS h34(E), v14(E) & v15(E)
CUTTING DIAGRAM



Bar	A	B	C
h12(E)	1'-11"	2'-1"	1'-8"
h13(E)	2'-5"	3'-2"	1'-9½"
h14(E)	1'-11"	1'-8"	11¼"
h28(E)	2'-1"	7"	2"
h31(E)	3'-3"	7"	2"
h33(E)	3'-3"	9"	8⅜"
v31(E)	3'-6"	1'-0"	8½"

BAR h12(E), h13(E), h14(E),
h28(E), h31(E), h33(E) & v31(E)



BAR h9(E)

Bar	A	B	C
h29(E)	7"	2'-0"	4"
h30(E)	7"	3'-0"	5"
n3(E)	10"	7'-2"	7"
n4(E)	8"	3'-8"	6"
n5(E)	11"	7'-8"	8"
n6(E)	10"	4'-5"	7"
n7(E)	10"	6'-2"	7"
n8(E)	8"	6'-2"	6"
n9(E)	7"	4'-2"	5"

BARS h29(E), h30(E),
n3(E) thru n9(E)

Notes:

1. Reinforcement Bars designated (E) shall be epoxy coated.

BAR LIST

Bar	No.	Size	Length	Shape
h4(E)	15	5	37'-2"	
h5(E)	26	5	26'-3"	
h6(E)	5	4	36'-0"	
h7(E)	10	4	26'-0"	
h8(E)	14	5	5'-3"	
h9(E)	14	5	5'-6"	
h10(E)	10	4	5'-0"	
h11(E)	12	5	5'-1"	
h12(E)	4	4	4'-0"	
h13(E)	14	5	5'-7"	
h14(E)	4	4	3'-7"	
h15(E)	4	5	26'-11"	
h16(E)	13	5	43'-6"	
h17(E)	10	4	23'-9"	
h18(E)	8	4	22'-7"	
h19(E)	19	5	18'-3"	
h20(E)	29	5	21'-6"	
h21(E)	12	5	45'-0"	
h22(E)	3	5	46'-3"	
h23(E)	9	4	18'-3"	
h24(E)	13	5	14'-9"	
h25(E)	9	4	14'-9"	
h26(E)	10	5	13'-10"	
h27(E)	3	4	13'-10"	
h28(E)	3	5	2'-8"	
h29(E)	3	4	2'-7"	
h30(E)	6	5	3'-7"	
h31(E)	3	4	3'-10"	
h32(E)	14	4	21'-4"	
h33(E)	3	4	4'-0"	
h34(E)	2	5	23'-11"	
h35(E)	1	4	5'-9"	
h36(E)	2	5	17'-0"	
h37(E)	2	4	7'-9"	
h38(E)	3	5	7'-9"	
h39(E)	2	4	15'-9"	
h40(E)	3	5	15'-9"	
h41(E)	3	5	23'-9"	
h42(E)	3	4	35'-2"	
h43(E)	6	5	35'-2"	
n2(E)	177	7	5'-2"	
n3(E)	38	7	7'-11"	
n4(E)	60	6	4'-4"	
n5(E)	28	8	8'-7"	
n6(E)	29	7	5'-3"	
n7(E)	12	7	7'-0"	
n8(E)	16	6	6'-10"	
n9(E)	28	5	4'-9"	
p5(E)	4	5	6'-2"	
p6(E)	52	5	9'-10"	
p7(E)	4	5	5'-0"	
p8(E)	8	5	6'-9"	
p9(E)	4	5	4'-10"	
p10(E)	4	5	17'-1"	
p11(E)	4	5	31'-0"	
p12(E)	4	5	8'-11"	
t3	358	7	9'-0"	
t4	40	7	9'-5"	
t5	40	6	9'-5"	
t6	46	8	10'-3"	
t7	46	7	10'-3"	
t8	19	7	8'-3"	
t9	19	6	8'-3"	
t10	16	5	6'-3"	
t11	24	5	5'-3"	
u3(E)	44	5	8'-0"	
u4(E)	20	5	8'-1"	
u5(E)	19	5	8'-2"	
u6(E)	20	5	8'-3"	
u7(E)	10	5	8'-4"	
u8(E)	20	5	8'-5"	
u9(E)	8	5	8'-6"	
u10(E)	10	5	8'-7"	

BAR LIST

Bar	No.	Size	Length	Shape
u11(E)	10	5	8'-10"	
u12(E)	9	5	9'-0"	
u13(E)	10	5	9'-3"	
u14(E)	10	5	9'-6"	
u15(E)	10	5	9'-8"	
u16(E)	10	5	9'-11"	
u17(E)	10	5	10'-2"	
u18(E)	7	5	10'-5"	
v4(E)	14	4	13'-0"	
v5(E)	17	4	12'-9"	
v6(E)	98	5	11'-7"	
v7(E)	4	5	13'-1"	
v8(E)	12	4	12'-2"	
v9(E)	14	4	10'-11"	
v10(E)	87	5	9'-6"	
v11(E)	2	5	11'-1"	
v12(E)	2	5	13'-10"	
v13(E)	40	5	8'-3"	
v14(E)	6	4	28'-1"	
v15(E)	4	4	26'-2"	
v16(E)	1	4	16'-1"	
v17(E)	18	4	6'-10"	
v18(E)	29	4	8'-10"	
v19(E)	13	4	9'-10"	
v20(E)	22	4	5'-9"	
v21(E)	6	4	2'-9"	
v22(E)	29	6	9'-3"	
v23(E)	28	5	7'-6"	
v24(E)	12	4	7'-6"	
v25(E)	23	4	9'-0"	
v26(E)	6	4	2'-6"	
v27(E)	5	4	16'-6"	
v28(E)	3	4	26'-4"	
v29(E)	3	4	14'-3"	
v30(E)	6	4	4'-1"	
v31(E)	8	5	4'-6"	
w3	20	5	37'-2"	
w4	40	5	26'-11"	
w5	32	5	5'-0"	
w6	20	5	46'-10"	
w7	20	5	43'-5"	
w8	20	5	18'-3"	
w9	20	5	14'-9"	
w10	22	5	45'-6"	
w11	30	5	11'-0"	
w12	32	5	7'-6"	

BILL OF MATERIALS

Item	Unit	Total
Concrete Structures	Cu. Yd.	447.8
Reinforcement Bars	Lb	17210
Reinforcement Bars, Epoxy Coated	Lb	17880
Rock Excavation	Cu. Yd.	164.6
Structure Excavation	Cu. Yd.	1019
Geocomposite Wall Drain	Sq. Yd.	445.7
Porous Granular Embankment	Cu. Yd.	1468

SHT. S-21

REVISIONS	
NAME	DATE

VILLAGE OF NEW LENOX
F.A.U. (0369) CEDAR ROAD OVER HICKORY CREEK
WILL COUNTY

ABUTMENT DETAILS & BILL OF MATERIAL

SCALE: NO SCALE — DRAWN BY: FZD
DATE: 07/01/05 — CHECKED BY: KPS

TENG

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ENGINEERS•ARCHITECTS•PLANNERS
205 W. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: 312/236-0892