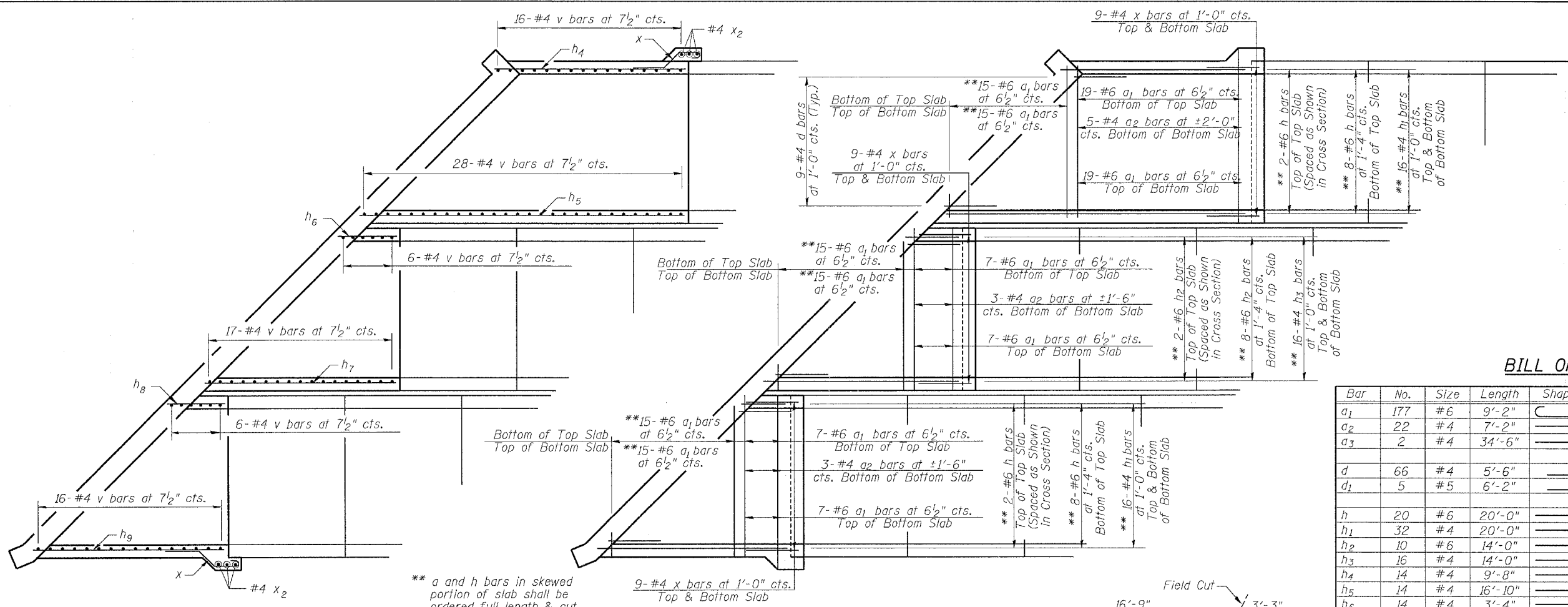


F.A.P. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* **	CARROLL	548	180
STA. TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. ILLINOIS		ROUTE 17 (US 52 / IL 64)	
** (1,2)RS & (3,1)RS-1			



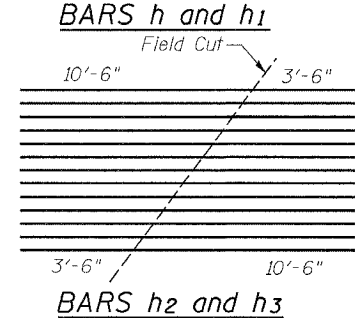
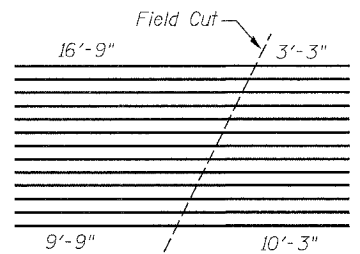
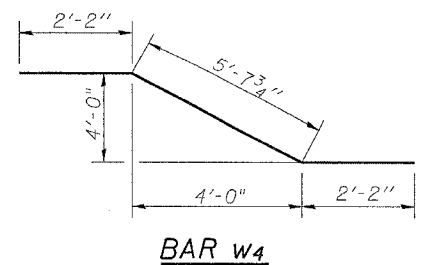
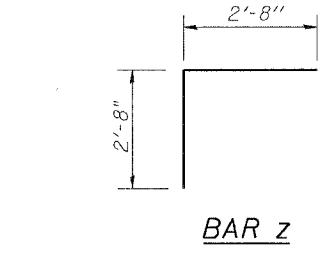
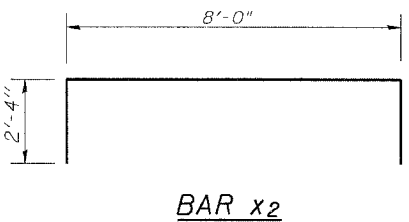
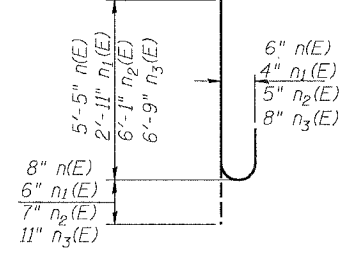
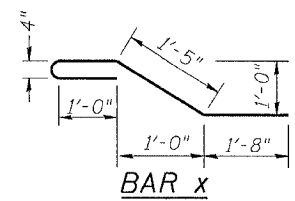
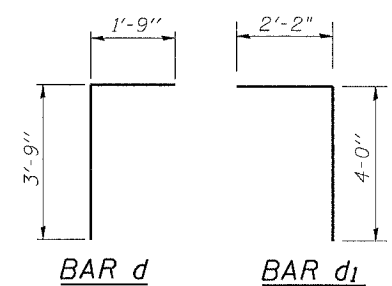
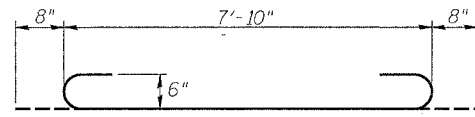
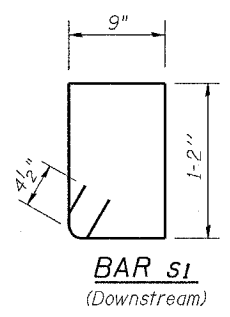
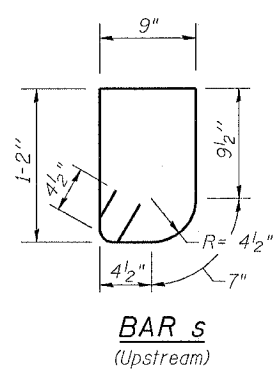
BOX CULVERT WALL REINFORCEMENT

TOP & BOTTOM SLAB REINFORCEMENT

** a and h bars in skewed portion of slab shall be ordered full length & cut to fit. Balance of bars to be used in opposite end.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
a ₁	177	#6	9'-2"		s	36	#4	4'-5"	
a ₂	22	#4	7'-2"		s ₁	36	#4	4'-7"	
a ₃	2	#4	34'-6"		s ₂	13	#4	3'-7"	
d	66	#4	5'-6"		t	143	#4	6'-5"	
d ₁	5	#5	6'-2"		t ₁	77	#9	9'-0"	
					t ₂	40	#5	9'-0"	
h	20	#6	20'-0"		v	178	#4	7'-10"	
h ₁	32	#4	20'-0"		v ₁	8	#5	12'-1"	
h ₂	10	#6	14'-0"		v ₂	19	#4	5'-10"	
h ₃	16	#4	14'-0"		v ₃	19	#4	7'-1"	
h ₄	14	#4	9'-8"		v ₄	20	#4	8'-3"	
h ₅	14	#4	16'-10"		v ₅	17	#4	10'-8"	
h ₆	14	#4	3'-4"		v ₆	17	#8	9'-1"	
h ₇	14	#6	10'-8"		v ₇	3	#4	10'-7"	
h ₈	14	#4	3'-1"		v ₈	25	#8	4'-11"	
h ₉	14	#4	10'-5"		v ₉	4	#5	6'-5"	
h ₁₀	12	#6	36'-1"		v ₁₀	12	#5	8'-4"	
h ₁₁	15	#4	8'-11"		v ₁₁	4	#4	11'-2"	
h ₁₂	30	#4	22'-5"		v ₁₂	20	#4	6'-0"	
h ₁₃	11	#4	19'-10"						
h ₁₄	6	#4	8'-2"		x	144	#4	5'-7"	
h ₁₅	14	#4	18'-4"		x ₁	36	#4	8'-0"	
h ₁₆	2	#4	10'-4"		x ₂	12	#4	12'-8"	
h ₁₇	4	#4	8'-4"		w	20	#5	22'-5"	
h ₁₈	2	#4	11'-4"		w ₁	10	#5	8'-11"	
h ₁₉	2	#4	1'-4"		w ₂	10	#5	20'-7"	
h ₂₀	1	#4	4'-0"		w ₃	10	#5	18'-4"	
h ₂₁	2	#4	6'-8"		w ₄	5	#5	10'-0"	
h ₂₂	4	#4	9'-3"						
n(E)	58	#6	6'-1"						
n ₁ (E)	55	#4	3'-5"						
n ₂ (E)	12	#5	6'-8"						
n ₃ (E)	42	#8	7'-8"						



DESCRIPTION	UNIT	QTY.
Removal of Existing Structure	EACH	1
Precast Concrete Box Culvert 7' X 7'	FOOT	294
Rock Excavation for Structures	CU. YD.	233
Geotextile Retaining Wall	SQ. FT.	320
Breaker Run Crushed Stone	TON	914
Temporary Support System	L SUM	1
Name Plates	EACH	1

Concrete Box Culverts	Cu. Yd.	127.1
Reinforcement Bars, Epoxy Coated	Pound	1598
Reinforcement Bars	Pound	14558

CULVERT DETAILS
US RTE 52 / IL RTE 64
CULVERT NO. 2
F.A.P. RTE 17 SECTION (1,2)RS & (3-1)RS-1
CARROLL COUNTY
STA. 448+50.69
STRUCTURE NO. 008-2019

PLT DATE = Fri, Mar 23 18:02:09 2007
 PLOT SCALE = 20.0000 / IN
 USER NAME = sullivan