m	2	12"	5'-0"
Steel - Lbs			150
Concrete - Cu Yds			10.0

Class X concrete to be used throughout

be used throughout.

Concrete Cu.Yds. 3.6

S.B. Route 146 Sec. 104A
Union County
Weir-Rt Sta. 150+30

091-7042

S.B. Route 146 Sec. 104A
Union County
ER 146+82

COUNTY	TOTAL SHEETS	SHEET NO.
Union	76	64

FED. AND PROJECT 8 161

SECTION A-A

...ING OUTLINES

BILL OF MATERIAL

Bars	No.	Size	Length
v	210	½"Φ	3'-9"
v_1	26	½"Φ	7'-0"
h	8	½"Φ	17'-6"
h_1	8	½"Φ	9'-9"
h_2	8	½"Φ	4'-6"
a	536	½"□	5'-6"
a_1	8	½"□	5'-6"
a_2	16	½"□	4'-6"
a_3	16	½"□	3'-6"
b	36	½"Φ	28'-0"
b_1	12	½"Φ	28'-6"
f	26	½"Φ	3'-6"
m	2	½"□	5'-0"
G	8	1"□	15'-3"
Concrete - Cu Yds.			39.9
Reinforcing Steel - Lbs.			4950

SB Route 146 - Sec 104A
Union County
Sta 154+07

1121

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

SCHEDULE ROUTE NO	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
146	B-104A	Union	76	64

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT 8 161

3.43' From P.T.
Curve Lt.
Sta. 138+16
Elev = 426.54
Crown of finished roadway
Elev = 427.03
Elev = 427.31
Elev = 418.7
Elev = 418.2
Bed of stream
45'-6"
25'-6"
20'-0"
LONGITUDINAL SECTION ELEVATION

END ELEVATION SECTION A-A
SHOWING REINFORCEMENT SHOWING OUTLINES
18'-6" O.S.

ELEVATION A-A
45'-0"
Flow
½"Φ bars 12" cts Vc
½"Φ bars 12" cts bc
½"Φ bars 12" cts h

PLAN
SHOWING REINFORCEMENT SHOWING OUTLINES
FLOW
45°-0'
x139
x138
½"Φ bars 12" cts a in slab and pavement
½"Φ bars 12" cts b in slab
29'-9 3/8"
26'-7½"
45'-6"

Note: Reinforcing bars in downstream end wall only.
Class X concrete to be used throughout.
~~Stop~~ Bending etc. bars at ... as required.

Flow Line
Vc bars
bc bars
½"Φ bars 12" cts-h_4
½"Φ bars 12" cts-t_1
SECTION B-B.

BILL OF MATERIAL

	Bars	No.	Size	Length
	v	130	½"Φ	3'-9"
	v_1	19	½"Φ	7'-3"
	v_2	37	½"Φ	5'-6"
U.S.	h	4	½"Φ	18'-0"
	h_1	8	½"Φ	8'-0"
U.S.	h_2	4	½"Φ	4'-9"
D.S.	h	4	½"Φ	14'-3"
	a	356	½"□	7'-6"
	a_1	8	½"□	7'-6"
	a_2	12	½"□	6'-6"
	a_3	12	½"□	5'-6"
	b	24	½"Φ	23'-6"
	b_1	13	½"Φ	24'-0"
	f	19	½"Φ	3'-3"
	h_5	4	½"Φ	16'-6"
	m	2	½"□	5'-0"
	bc	12	½"Φ	27'-6"
	G	8	1"□	15'-0"
	t_1	37	½"Φ	5.0"
Concrete - Cu Yds				38.7
Reinforcing Steel - Lbs				4590
	a_4	12	½"□	4'-6"
	a_5	12	½"□	3'-6"
	h_4	2	½"Φ	10'-0"

S.B. Route 146 Sec. 104A
Union County
Sta. 138+36

1121

STANDARD	COMPUTED	
	CHECKED	
	DRAWN	
	CHECKED	
SPECIAL	ASSEMBLED	
	CHECKED	