INDEX OF SHEETS FOR SECTION 13-HB SEE SHEET NO. 2

FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
10	13 HB	TAZEWELL	30	1
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT	U-131	(34)

P-94-153-00

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

SCALES		
PLAN	1 INCH	50 FT.
PROFILE. HOR.	1 INCH	50 FT.
PROFILE. VERT.	1 INCH	5 FT.
CROSS-SECTIONS	1 INCH	5 FT.

F.A. ROUTE 10 SECTION 13HB

PROJECT U-131 (34)

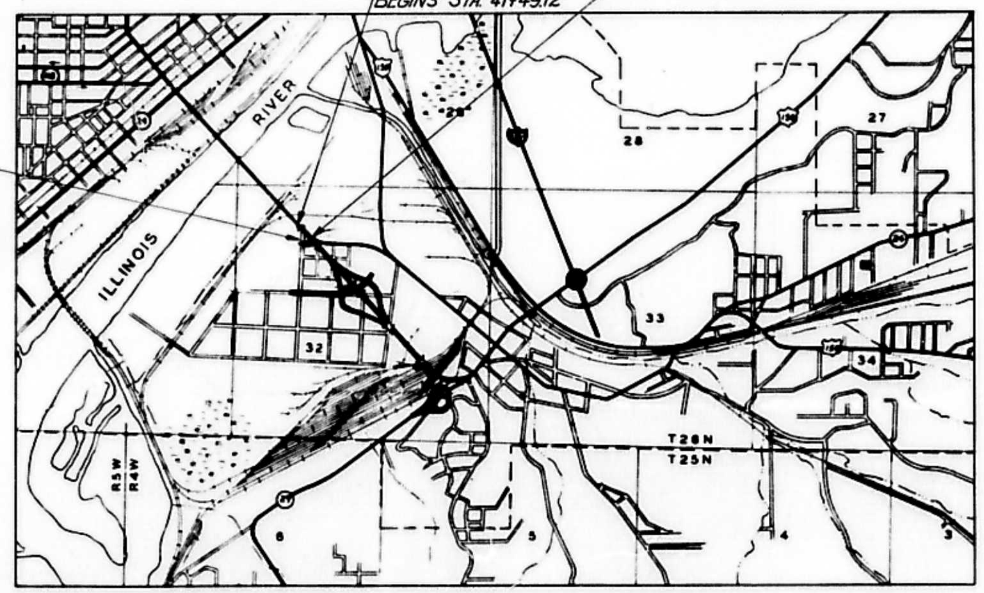
TAZEWELL COUNTY
C-94-102-65

PROJECT U-131(34)
BEGINS STA. 41+49.12

PROJECT U-131(34)
ENDS STA. 43+36.46

PROPOSED IMPROVEMENT
SECTION 13HB

INCLUDES ONE (1) 3 SPAN STEEL WF-BEAM GRADE SEPARATION STRUCTURE CARRYING F.A. ROUTE 10 OVER ROOSEVELT ST. ON CONC. PILE BENT ABUTMENTS AND R.C. PIERS ON CONC. PILES (SPANS 1 AT 51'-0¾", 1 AT 79'-7", 1 AT 51'-0¾") AT STATION 42+41.37 AND OTHER INCIDENTAL WORK.



LAYOUT
APPROXIMATE SCALE 1" = 2000'

NET LENGTH OF IMPROVEMENT = 187.34 FT. = 0.035 MI.
NET LENGTH OF PROJECT = 187.34 FT. = 0.035 MI.

LOCATION OF SECTION INDICATED THUS:—

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
W.E. Baumann 3/23/62
Engineer of Bridge & Traffic Structures

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

SUBMITTED March 9 19 62
D. M. Costello
DISTRICT ENGINEER

EXAMINED January 26 19 65
[illegible]
ENGINEER OF ROAD PLANS AND CONTRACTS

PASSED January 26 19 65
[illegible]
ENGINEER OF DESIGN

APPROVED January 26 19 65
[illegible]
CHIEF HIGHWAY ENGINEER

APPROVED January 26 19 65
[illegible]
DIRECTOR

DIVISION OF HIGHWAYS
RECEIVED
DEC 12 1961
DISTRICT 4
PEORIA, ILLINOIS

PLANS PREPARED BY
WARREN & VAN PRAAG, INC.
CONSULTING ENGINEERS
DECATUR ILLINOIS
SUBMITTED DECEMBER 7 19 61
William B. Sands

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED

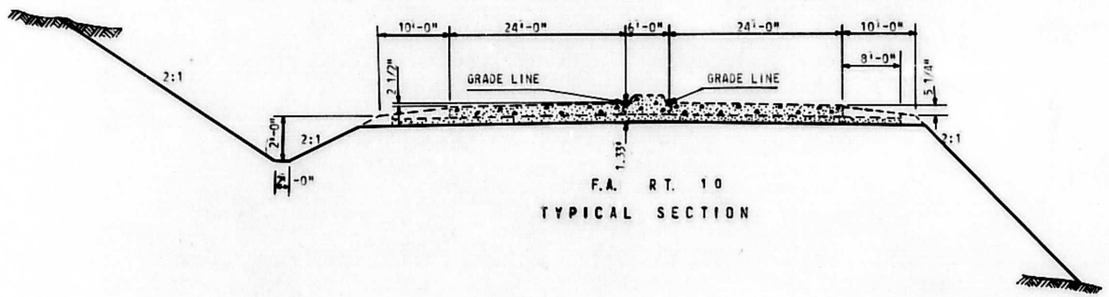
DIVISION ENGINEER	DATE

DEAN R. FELTON
No. [illegible]
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

NP

CONTRACT NO. 24021

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
10	13-HB	TAZEWELL	30	2
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		( )



TYPICAL SECTION

HIGHWAY CLASSIFICATION - F.A. RTE. 10

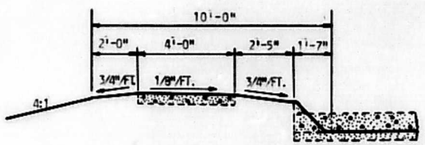
3000 - T - 50 - 1985

MAXIMUM GRADE: 0.40%

LENGTH OF MAXIMUM GRADE: 470 FEET

MINIMUM SIGHT DISTANCE (STOPPING): UNLIMITED

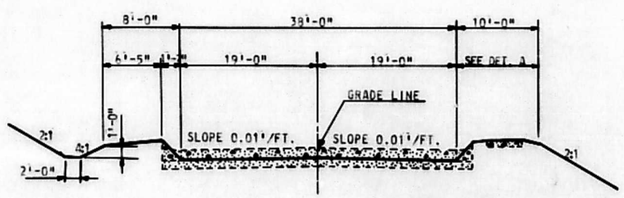
MINIMUM HORIZONTAL RADIUS: TANGENT



DETAIL A

TYPICAL SHOULDER DETAIL

WITH SIDEWALK



ROOSEVELT STREET

TYPICAL SECTION

INDEX OF SHEETS

SUBMITTED Jan. 23, 1962
DISTRICT DESIGN ENGINEER

EXAMINED
DISTRICT CONSTRUCTION ENGINEER

EXAMINED JAN. 26, 1962.
R. E. Armbrust
DISTRICT MAINTENANCE ENGINEER

EXAMINED 26 JAN. 62
A.B. Litwiller
DISTRICT TRAFFIC ENGINEER

ENTIRE SECTION INSPECTED AND APPROVED AS TO POLICY
DATE March 9 - 1962
D.M. Costello
DISTRICT ENGINEER

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
10	13-HB	TAZEWELL	30	3
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		( )

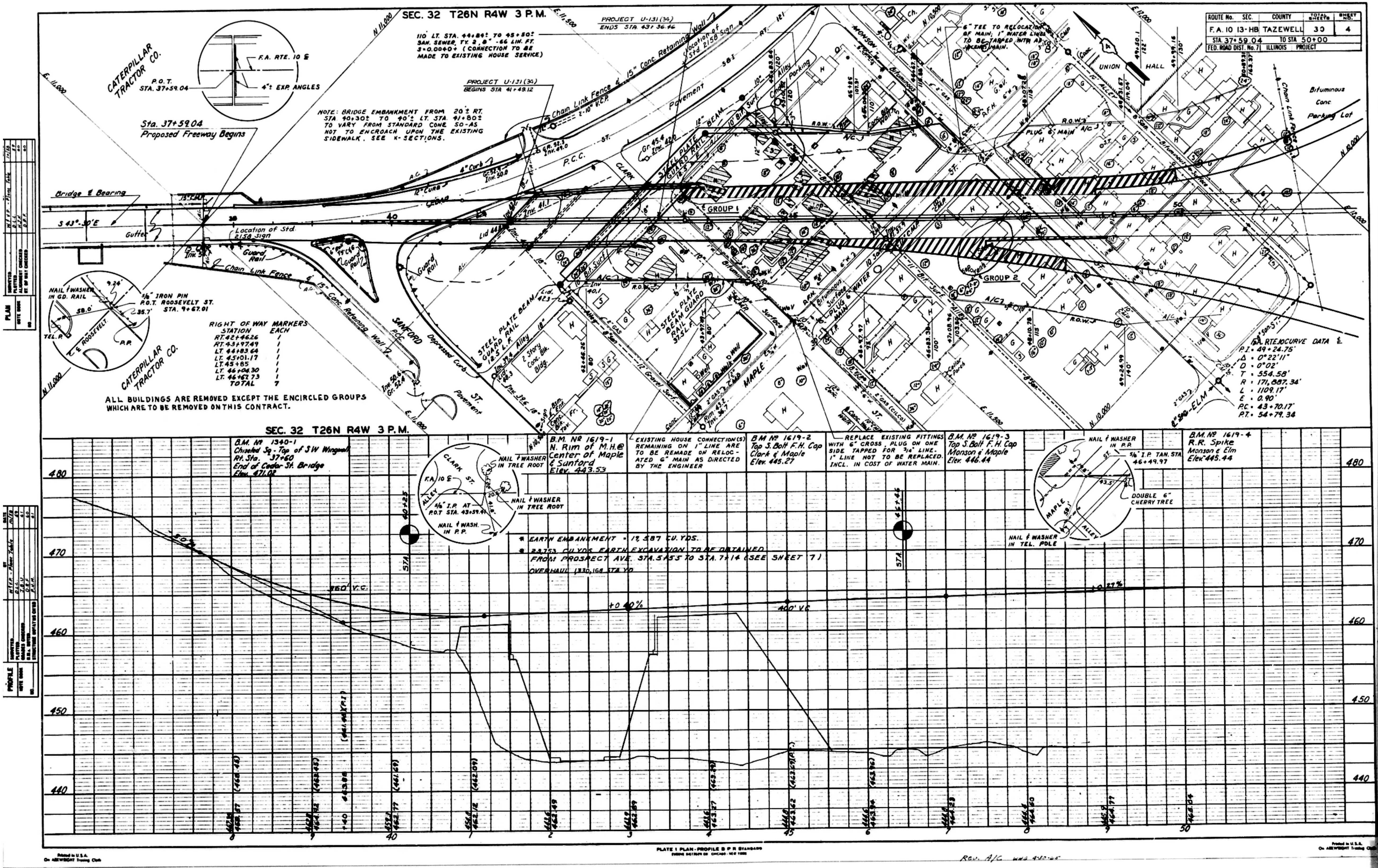
SUMMARY OF QUANTITIES

QUANTITY	UNITS	DESCRIPTION	CODE
179	IN.DIA.	TREE REMOVAL, SPECIAL (6 TO 15 INCH DIAMETER)	010003
320	IN.DIA.	TREE REMOVAL, SPECIAL (OVER 15 INCH DIAMETER)	010004
25,597	CU. YD.	EARTH EXCAVATION	011001
162	CU. YD.	TRENCH BACKFILL	020001
408	CU. YD.	CLASS A EXCAVATION FOR STRUCTURES	050001
971.2	CU. YD.	CLASS X CONCRETE	052003
2.3	CU. YD.	CLASS X CONCRETE (OUTLETS)	052013
1645	SQ. YD.	PROTECTIVE COAT	052021
440,470	POUND	FURNISHING AND ERECTING STRUCTURAL STEEL	054001
155,770	POUND	REINFORCEMENT BARS	059001
1,085	LIN.FT.	FURNISHING CREOSOTED PILES 20.1 TO 30 FEET	060005
1,085	LIN.FT.	DRIVING TIMBER PILES	060008
6,933	LIN.FT.	DRIVING CONCRETE PILES	060043
6,933	LIN.FT.	FURNISHING CONCRETE PILES	060044
2	EACH	TEST PILE CONCRETE	060047
1	EACH	NAME PLATES	061001
180	LIN.FT.	STORM SEWERS, TYPE 1, 12"	066003
—	—	—	—
193	LIN.FT.	STORM SEWERS, TYPE 1, 18"	066005
174	LIN.FT.	STORM SEWERS, TYPE 2, 15"	066027
82	LIN.FT.	STORM SEWERS, TYPE 2, (R.C.P. CLASS II) 18"	066212
926	LIN.FT.	WATER MAIN 6"	072002
30	LIN.FT.	COPPER SERVICE PIPE 3/4 INCH	073003
6	EACH	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	075081
1	EACH	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	075098
1	EACH	INLETS	075111
1	EACH	INLETS TO BE ADJUSTED	076005
776	POUND	CAST IRON GRATES	078001
2	EACH	FILLING EXISTING INLETS	079003
918	SQ. YD.	SLOPE WALL 4 INCH	083002
14	SQ. YD.	PAVEMENT REMOVAL AND REPLACEMENT, TYPE 2, 9 INCH	085009
62.5	LIN.FT.	STEEL PLATE BEAM GUARD RAIL	094001
7	EACH	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	104001
1.1	ACRE	TEMPORARY SEEDING	110001
1.1	ACRE	COMPLETE SEEDING	110004
0.2	TON	FERTILIZER NUTRIENTS	110005
4	TON	STRAW FOR ASPHALT-COATED MULCH	111002
400	GAL.	EMULSIFIED ASPHALT	111003
503	SQ. YD.	SODDING	112001
—	~~UNIT~~	~~SUPPLEMENTAL WATERING~~	—
379	LIN.FT.	ALUMINUM HANDRAIL	Z00004
106	LIN.FT.	SANITARY SEWER, TYPE 2, 8"	Z00217
3	EACH	SETTLEMENT PLATFORMS	Z00231
357	LIN.FT.	SANITARY SEWER, TYPE 2, 10"	Z01372
1	LUMP SUM	BRIDGE SEAT SEALANT	Z01023
1	LUMP SUM	REMOVAL OF BUILDINGS GROUP 1	Z01159
1	LUMP SUM	REMOVAL OF BUILDINGS GROUP 2	Z01160

GENERAL NOTES

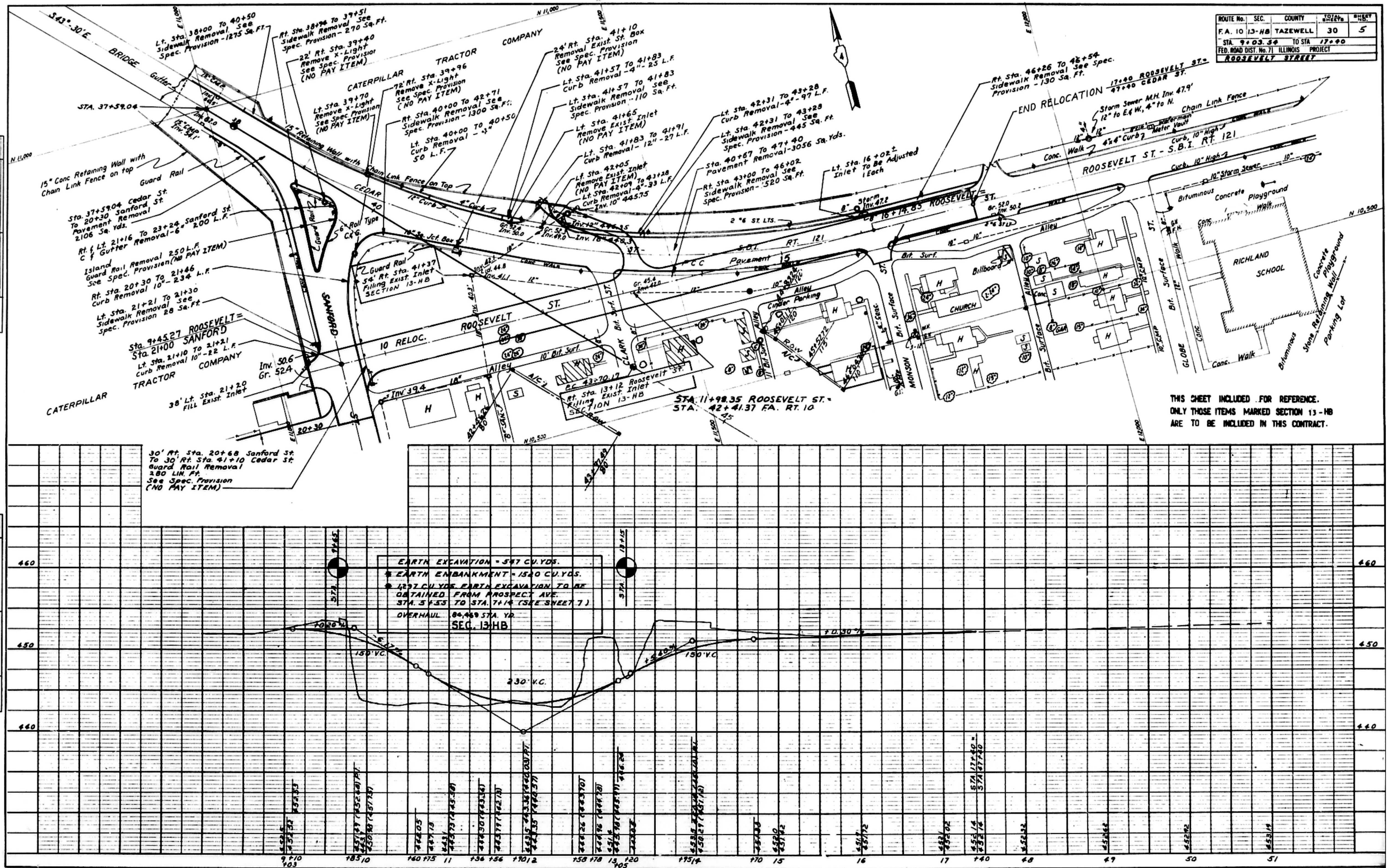
1. BUILDINGS SHOWN ON PLANS BY BROAD SHADED BANDS ARE TO BE REMOVED. ——— SEE SHEET NO.4.
2. TREE SIZES GIVEN AS RECORDED IN NOVEMBER, 1958.
3. TWO(2) SIGNS CONFORMING TO STANDARD 2156-2 SHALL BE ERECTED AT LOCATIONS SHOWN ON SHEET NO.4.
4. WHERE SECTION OR SUB-SECTION BOUNDARIES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH BOUNDARIES ARE CROSSED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

1-18-65 F.K.J. Rev. Class X Conc. from 957.3 to 971.0 Cu. Yds. Reinf. bars from 145,830 to 155,770 lbs. Slope Wall from 897 to 918 Sq. Yds. added Settl. platform ea. 3, 1645 Sq. Yds. protective Coat & Bride Seat Sealant L.S.I.



ROUTE No. | SEC. | COUNTY | TOTAL SHEETS | SHEET No.
F.A. 10 | 13-HB | TAZEWELL | 30 | 4
STA 37+59.04 TO STA 50+00
FED. ROAD DIST. No. 7 ILLINOIS PROJECT
SEC. 32 T26N R4W 3 P.M.
CATERPILLAR TRACTOR CO.
P.O.T. STA. 37+59.04
F.A. RTE. 10 ℄
4"± EXP. ANGLES
Sta. 37+59.04
Proposed Freeway Begins
110' LT. STA. 44+84± TO 45+50± SAN. SEWER, TY. 2, 8" -66 LIN. FT. S=0.0040+ (CONNECTION TO BE MADE TO EXISTING HOUSE SERVICE)
PROJECT U-131(34) ENDS STA 43+36.46
PROJECT U-131(34) BEGINS STA 41+49.12
NOTE: BRIDGE EMBANKMENT FROM 20'± RT. STA 40+30± TO 40'± LT. STA 41+80± TO VARY FROM STANDARD CONE SO AS NOT TO ENCROACH UPON THE EXISTING SIDEWALK. SEE X-SECTIONS.
Chain Link Fence & 15" Conc. Retaining Wall
Location of Std. 2150 Sign
Bridge ℄ Bearing
S 43°-30'E
Gutter
Guard Rail
Chain Link Fence & 15" Conc. Retaining Wall
CLARK ST.
SANFORD ST.
MONSON ST.
MAPLE ST.
ELM ST.
GROUP 1
GROUP 2
UNION HALL
Bituminous Conc Parking Lot
Chain Link Fence
STEEL PLATE BEAM GUARD RAIL
2 Story Conc. Blk. Bldg.
NAIL & WASHER IN GD. RAIL
5/8" IRON PIN P.O.T. ROOSEVELT ST. STA. 9+67.01
E. ROOSEVELT
TEL. P.
P.P.
RIGHT OF WAY MARKERS
STATION EACH
RT.42+46.26 1
RT.43+47.49 1
LT. 44+83.64 1
LT. 45+01.17 1
LT. 45+85 1
LT. 46+04.30 1
LT. 46+62.73 1
TOTAL 7
ALL BUILDINGS ARE REMOVED EXCEPT THE ENCIRCLED GROUPS WHICH ARE TO BE REMOVED ON THIS CONTRACT.
6" TEE TO RELOCATION OF MAIN; 1" WATER LINES TO BE TAPPED INTO ABANDONED MAIN.
PLUG 6" MAIN
PLUG 6" WATER MAIN
F.A. RTE. 10 CURVE DATA ℄
P.I. = 49+24.75'
Δ = 0°22'11"
D = 0°02'
T = 554.58'
R = 171,887.34'
L = 1109.17'
E = 0.90'
P.C. = 43+70.17'
P.T. = 54+79.34
B.M. № 1340-1 Chiseled Sq. - Top of S.W. Wingwall Rt. Sta. 37+60 End of Cedar St. Bridge Elev. 471.02
B.M. № 1619-1 N. Rim of M.H. @ Center of Maple & Sanford Elev. 443.53
EXISTING HOUSE CONNECTION(S) REMAINING ON 1" LINE ARE TO BE REMADE ON RELOCATED 6" MAIN AS DIRECTED BY THE ENGINEER
B.M. № 1619-2 Top S. Bolt F.H. Cap Clark & Maple Elev. 445.27
REPLACE EXISTING FITTINGS WITH 6" CROSS, PLUG ON ONE SIDE TAPPED FOR 3/4" LINE. 1" LINE NOT TO BE REPLACED. INCL. IN COST OF WATER MAIN.
B.M. № 1619-3 Top S. Bolt F.H. Cap Monson & Maple Elev. 446.44
B.M. № 1619-4 R.R. Spike Monson & Elm Elev. 445.44
NAIL & WASHER IN TREE ROOT
5/8" I.P. AT P.O.T. STA. 43+59.41
NAIL & WASH. IN P.P.
NAIL & WASHER IN P.P.
5/8" I.P. TAN. STA 46+49.97
DOUBLE 6" CHERRY TREE
NAIL & WASHER IN TEL. POLE
EARTH EMBANKMENT = 19,587 CU. YDS.
23,753 CU. YDS. EARTH EXCAVATION TO BE OBTAINED FROM PROSPECT AVE. STA. 5+55 TO STA. 7+14 (SEE SHEET 7)
OVERHAUL 1,330,168 STA. YD.
360' V.C.
+0.40%
400' V.C.
+0.27%
STA. 40+25
STA. 45+46
480
470
460
450
440
40
45
50
PLAN
PROFILE
PLATE 1 PLAN-PROFILE B P R STANDARD
Printed in U.S.A. On ALBANENE Tracing Cloth
Rev. A/C

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 10	13-HB	TAZEWELL	30	5
STA. 9+03.54	TO STA 17+40			
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		
ROOSEVELT STREET				

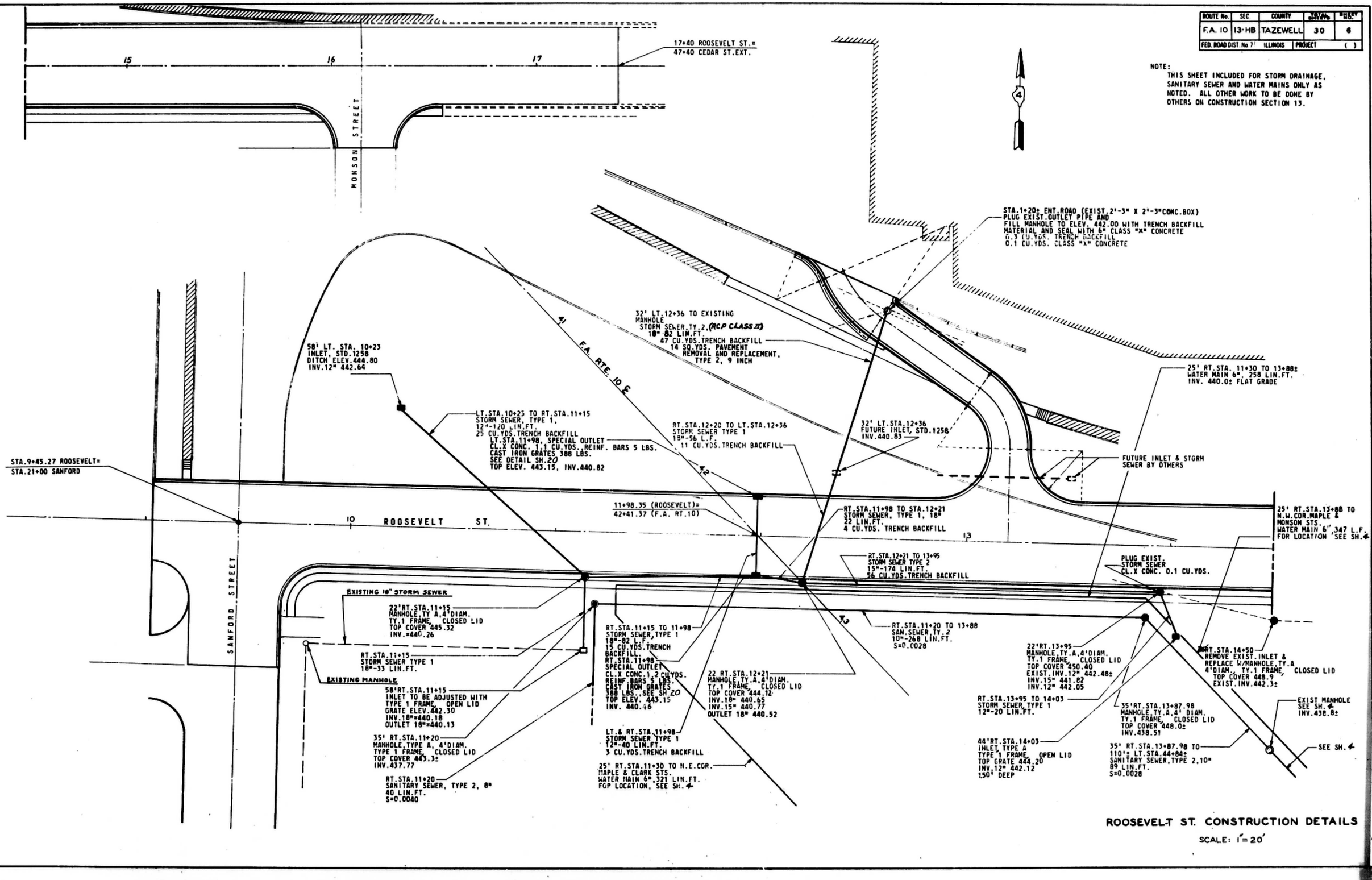


THIS SHEET INCLUDED FOR REFERENCE. ONLY THOSE ITEMS MARKED SECTION 13-HB ARE TO BE INCLUDED IN THIS CONTRACT.

PLATE I PLAN - PROFILE B P R STANDARD

ROUTE No.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 10	13-HB	TAZEWELL	30	6
FED. ROAD DIST. No 7	ILLINOIS	PROJECT		( )

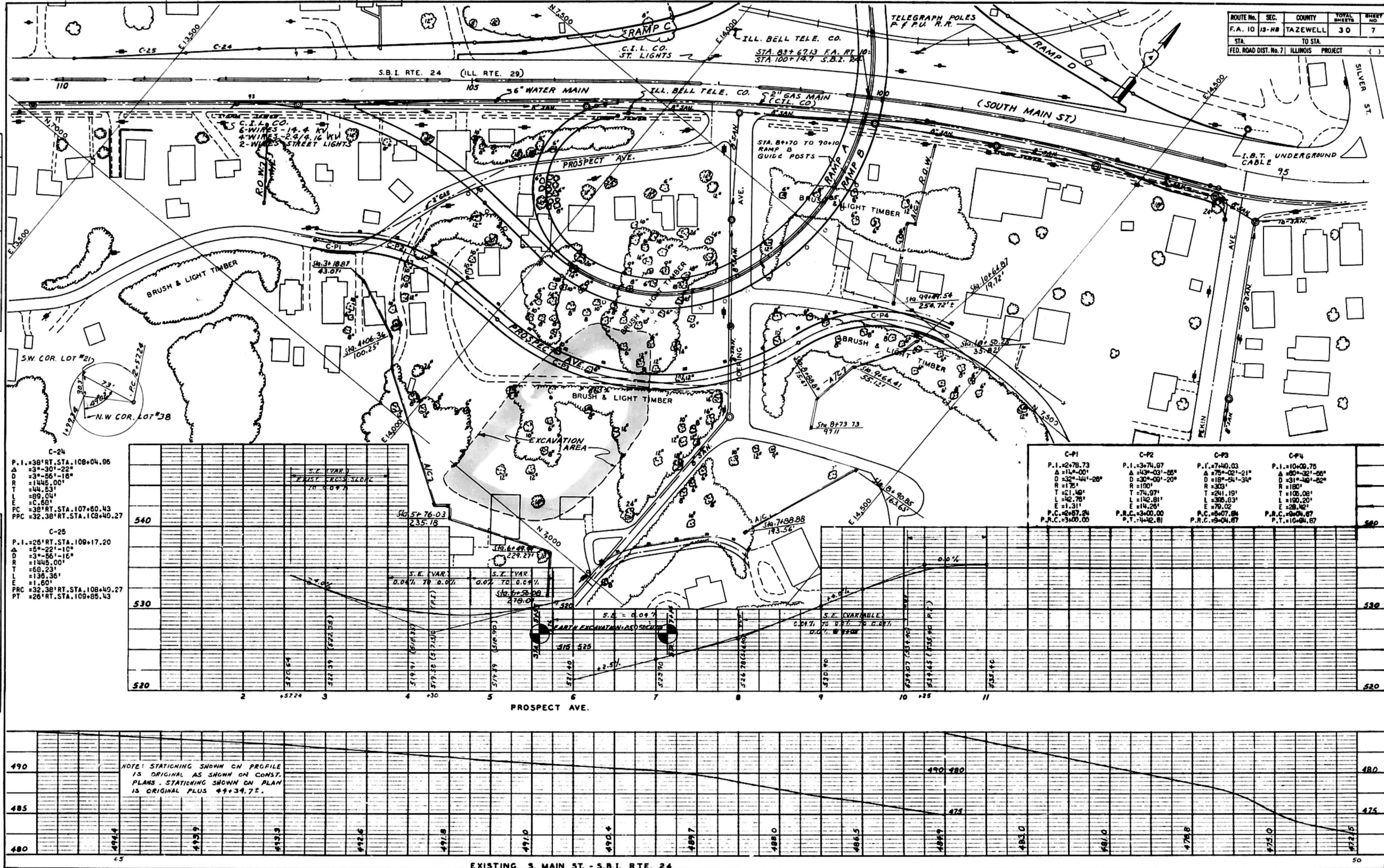
NOTE:
THIS SHEET INCLUDED FOR STORM DRAINAGE, SANITARY SEWER AND WATER MAINS ONLY AS NOTED. ALL OTHER WORK TO BE DONE BY OTHERS ON CONSTRUCTION SECTION 13.



ROOSEVELT ST. CONSTRUCTION DETAILS

SCALE: 1"=20'

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 10	13-HB	TAZEWELL	30	7
STA.		TO STA.		
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		( )



C-24

P.I. = 38' RT. STA. 108+04.96
Δ = 3°-30'-22"
D = 3°-56'-16"
R = 1445.00'
T = 44.53'
L = 89.04'
E = 0.68'
PC = 38' RT. STA. 107+60.43
PRC = 32.38' RT. STA. 108+49.27

C-25

P.I. = 26' RT. STA. 109+17.20
Δ = 5°-22'-10"
D = 3°-56'-16"
R = 1445.00'
T = 68.23'
L = 136.36'
E = 1.60'
PRC = 32.38' RT. STA. 108+49.27
PT = 26' RT. STA. 109+85.43

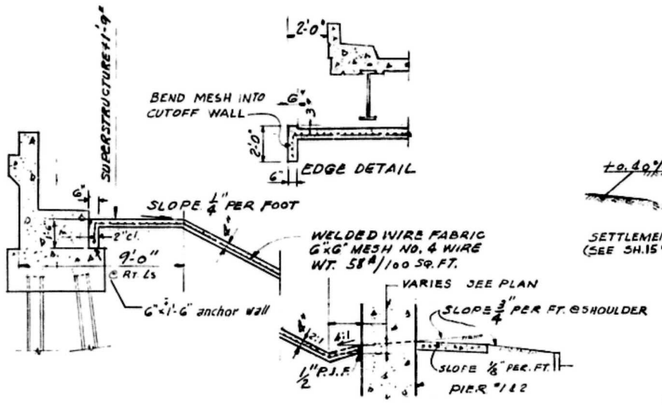
C-P1	C-P2	C-P3	C-P4
P.I. = 2+78.73	P.I. = 3+74.97	P.I. = 7+40.03	P.I. = 10+09.75
Δ = 14°-00'	Δ = 43°-03'-55"	Δ = 75°-02'-21"	Δ = 60°-32'-56"
D = 32°-44'-26"	D = 30°-09'-20"	D = 18°-54'-34"	D = 31°-49'-52"
R = 175'	R = 190'	R = 303'	R = 180'
T = 21.49'	T = 74.97'	T = 241.19'	T = 105.08'
L = 42.76'	L = 142.81'	L = 396.83'	L = 190.20'
E = 1.31'	E = 14.26'	E = 79.02	E = 28.42'
P.C. = 2+57.24	P.R.C. = 3+00.00	P.C. = 5+07.84	P.R.C. = 9+04.67
P.R.C. = 3+00.00	P.T. = 4+42.81	P.R.C. = 9+04.67	P.T. = 10+94.87

NOTE: STATIONING SHOWN ON PROFILE IS ORIGINAL AS SHOWN ON CONST. PLANS. STATIONING SHOWN ON PLAN IS ORIGINAL PLUS 44+34.7±.

EXISTING S. MAIN ST. - S.B.I. RTE. 24

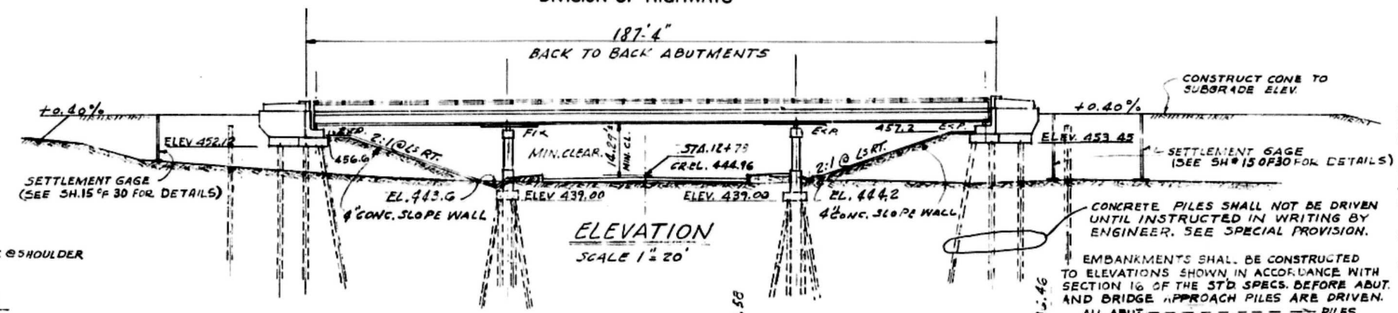
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET
F.A. 10	13 HB	TAZEWELL	30	8
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT U-131(34)		



SLOPEWALL DETAILS
AND GUTTER SECTION AT PIER

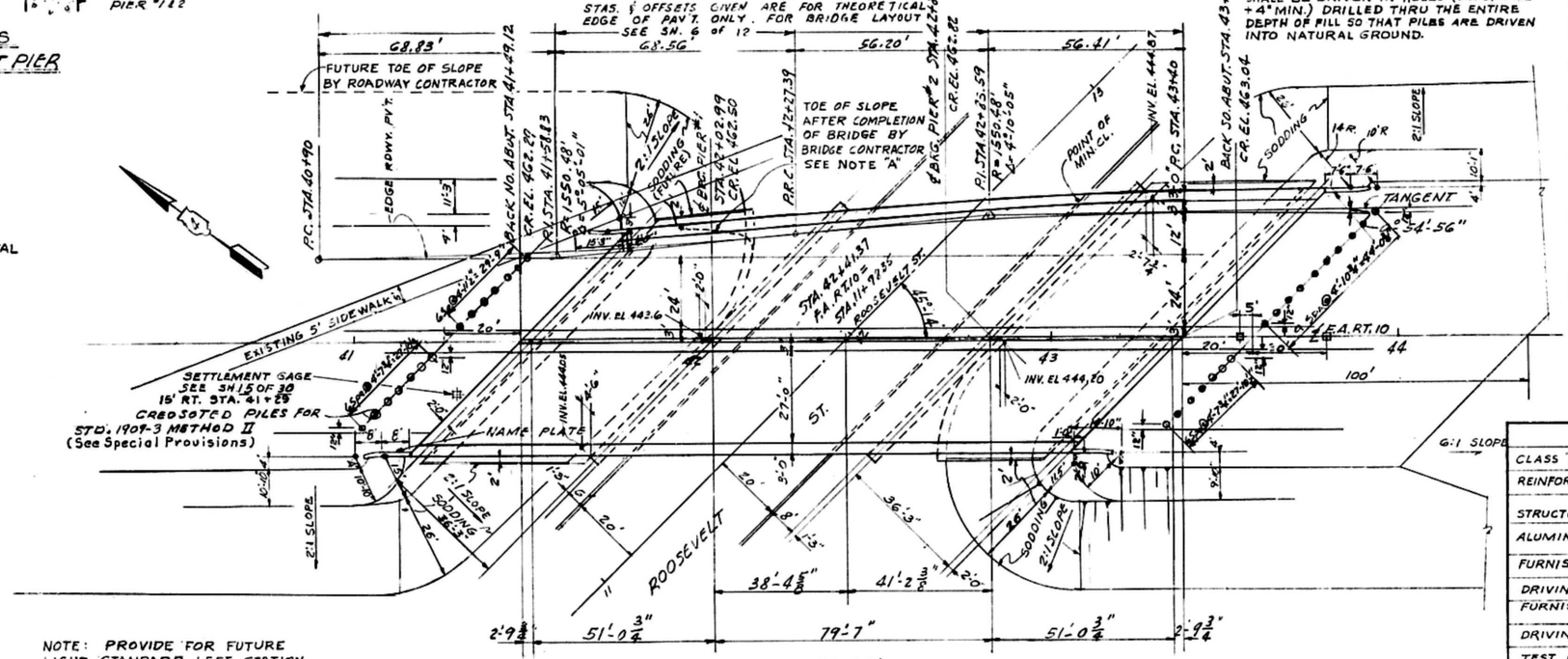
NOTE "A"
SLOPEWALL TO BE CONSTRUCTED AS SHOWN ON THE PLANS BY BRIDGE CONTRACTOR. BACKFILL TO BE REPLACED AS DIRECTED BY THE ENGINEER SO THAT SLOPE FROM EXISTING SIDEWALK WILL BE STABLE. COST OF BACKFILL SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK.



ELEVATION
SCALE 1"=20'

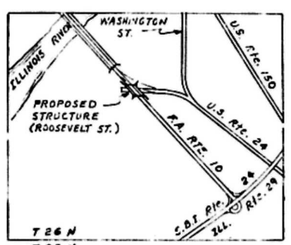
EMBANKMENTS SHALL BE CONSTRUCTED TO ELEVATIONS SHOWN IN ACCORDANCE WITH SECTION 16 OF THE STD SPECS. BEFORE ABUT. AND BRIDGE APPROACH PILES ARE DRIVEN.

ALL ABUT. - - - - - - - - - - PILES SHALL BE DRIVEN IN HOLES (DIA OF PILE +4" MIN.) DRILLED THRU THE ENTIRE DEPTH OF FILL SO THAT PILES ARE DRIVEN INTO NATURAL GROUND.

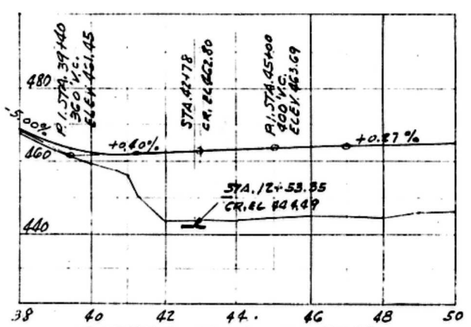


PLAN
SCALE 1"=20'

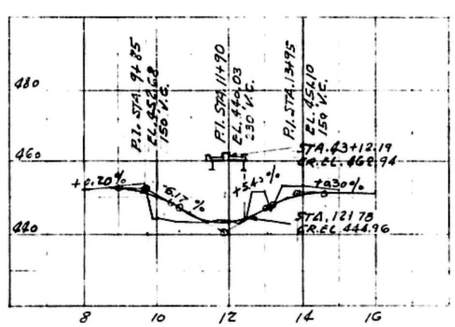
NOTE: PROVIDE FOR FUTURE LIGHT STANDARD LEFT STATION 42+34.58 FOR DETAIL SEE SH. NO. 10 OF 12.



LOCATION SKETCH



PROFILE ALONG F.A. RT. 10
SCALE 1"=200' HORIZ., 1"=20' VERT.



PROFILE ALONG ROOSEVELT ST.
SCALE 1"=200' HORIZ. 1"=20' VERT.

STA. 42+41.37
BUILT 19G BY
STATE OF ILLINOIS
F.A. RT. 10 - SEC. 13HB
F.A. PROJ. U-131 (34)
LOADING HS 20

LETTERING FOR NAME PLATE
SEE STD. 2113-1

* Abut. Only

GENERAL NOTES

CLASS "X" CONCRETE SHALL BE USED THROUGHOUT. COARSE AGGREGATE WHICH IS TO BE USED IN PARAPET HANDRAIL AND END POSTS SHALL BE FREE OF CHERT, FLINT, LIMONITE, LIGNITE, AND SOFT SANDSTONE.

THE CONCRETE FLOOR SLAB SHALL BE FINISHED IN ACCORDANCE WITH ARTICLE 51.19 OF THE STANDARD SPECIFICATIONS AND SHALL BE POURED IN ONE CONTINUOUS OPERATION BETWEEN THE LIMITS OF THE CONSTRUCTION JOINTS SHOWN.

ALL CURBS AND SLABS OUTSIDE OF LONGITUDINAL BONDED CONSTRUCTION JOINTS SHALL BE POURED MONOLITHICALLY.

RAILINGS SHALL BE ADJUSTED TO TRUE ALIGNMENT AFTER SAFETY WALKS HAVE BEEN POURED.

ALL ROCKERS, BOLSTERS, BEARING PLATE, LEAD PLATES, PINTLES AND ANCHOR BOLTS SHALL BE FABRICATED AND SET IN ACCORDANCE WITH ARTICLE 51.15 OF THE STANDARD SPECIFICATIONS AND ARE INCLUDED IN THE QUANTITIES OF STRUCTURAL STEEL. ESTIMATED WEIGHT 15090 LBS.

ANCHOR BOLTS SHALL BE SET BEFORE RIVETING DIAPHRAGMS OVER SUPPORTS.

ROADWAY EXPANSION GUARDS SHALL BE ASSEMBLED IN THE SHOP IN THE PROPER POSITION WITH THE ADJACENT ENDS IN PLACE AND SHALL BE LEFT ASSEMBLED FOR SHOP INSPECTION.

EXPANSION GUARDS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH ARTICLE 51.13 (d) OF THE STANDARD SPECIFICATIONS AND ARE INCLUDED IN QUANTITIES OF STRUCTURAL STEEL.

EXCEPT AS OTHERWISE NOTED, ALL STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT. SEE ARTICLES 56.1 TO 56.5 OF THE STANDARD SPECIFICATIONS. ALL PAINT SHALL BE FURNISHED AND APPLIED BY THE CONTRACTOR.

THE CONTRACTOR SHALL DRIVE TWO CONCRETE TEST PILES AT PERMANENT LOCATIONS, ONE IN THE NORTH ABUTMENT AND ONE IN PIER NO. 2 AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF THE PILES.

UNLESS OTHERWISE SHOWN ON THE PLANS, REINFORCEMENT BARS SHALL BE LAPPED 20 BAR DIAMETERS.

PERMANENT FORMS WILL NOT BE PERMITTED IN FORMING THE CONCRETE FLOOR.

TOTAL BILL OF MATERIAL - SEC. 13 HB

ITEM		SUPERST	SUBSTR	TOTAL
CLASS "X" CONCRETE	CU. YDS.	404.6	566.4	971.0
REINFORCEMENT BARS	LBS.	105,770	49,990	155,760
STRUCTURAL STEEL	LBS.			440,470
ALUMINUM HANDRAIL	LIN. FT.			379
FURNISHING CONCRETE PILES	LIN. FT.			6933
DRIVING CONCRETE PILES	LIN. FT.			6933
FURNISHING CREOSOTED PILES 20.1 - 38'	LIN. FT.			1,085
DRIVING TIMBER PILES	LIN. FT.			1,085
TEST PILES (CONCRETE)	EA.			2
SLOPE WALLS (4")	SQ. YDS.			918
CLASS A EXCAVATION FOR STRUCTURES	CU. YDS.			408
NAME PLATE	EA.			1
Settlement Platforms	Ea.			3
SODDING	SQ. YDS.			503
SUPPLEMENTAL WATERING	UNIT			2
Protective Coat	Sq. Yds.	1645		1645
Bridge Seat Sealant *	Lump Sum			1

DESIGN STRESSES

f_c 1400 #/SQ.IN. (SUPERST NO EARTH PRESSURE)
f_c 1000 #/SQ.IN (SUB. WITH EARTH PRESSURE)
$n = 10$
f_s 20000 #/SQ.IN REINF.
f_s 20000 #/SQ.IN STRUCT (A36)
LOADING HS 20 - 44

PILE DATA
BRIDGE APPROACH SLAB
TYPE CREOSOTED
REQ'D LENGTH 35
NO REQ'D. 31 (SEE SPCL. PROVS)

DESIGNED	H.E.K.
CHECKED	H.Y.F.
DRAWN	H.E.K.
CHECKED	H.Y.F.

Jan 25 1965
EXAMINED
ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

GENERAL PLAN & ELEVATION

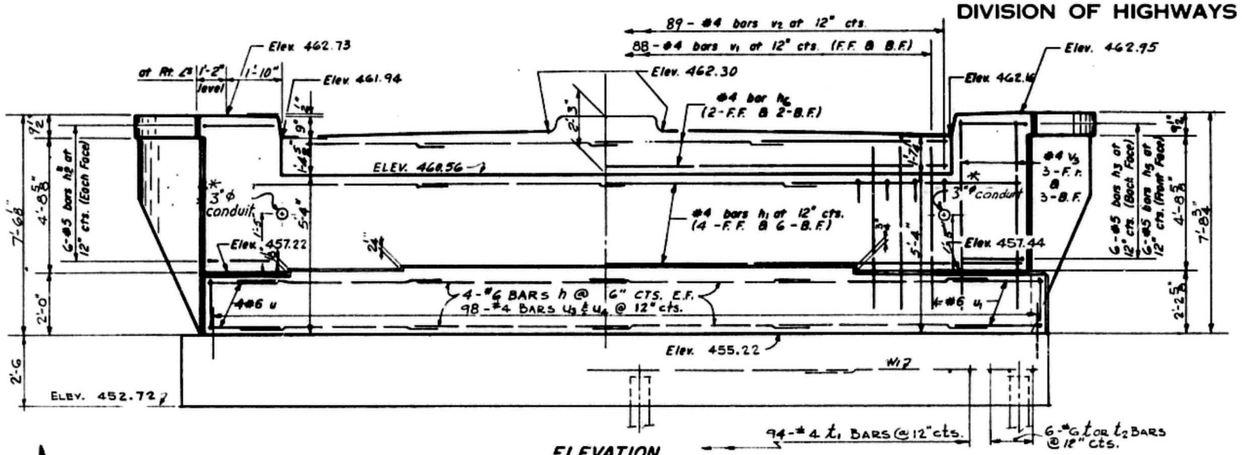
F.A. ROUTE 10 SECTION 13 - HB
F.A. PROJECT U-131 (34)
F.A. ROUTE 10 OVER ROOSEVELT STREET
STATION 42+41.37
TAZEWELL COUNTY

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

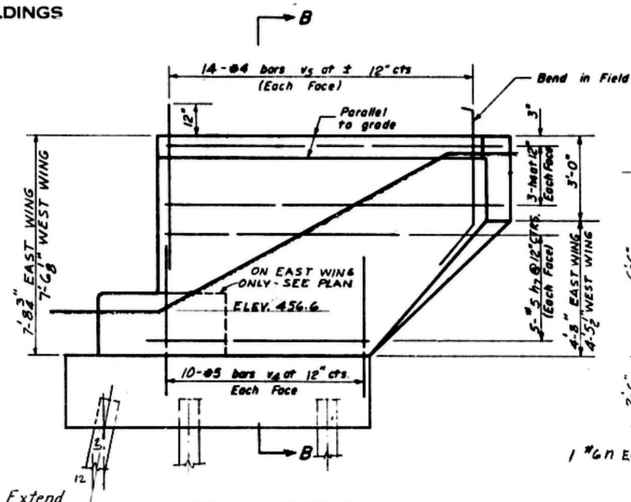
1-18-65 F.K.J. Rev. class x conc. from 957.3 to 971.0 cu.yds., rein. bars from 145830 to 155,760 lbs., slope wall from 897 to 918 sq.yds., added settl. platform ea 3, 1645 sq.yds. of protective coat & Bridge seat sealant L.S.

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

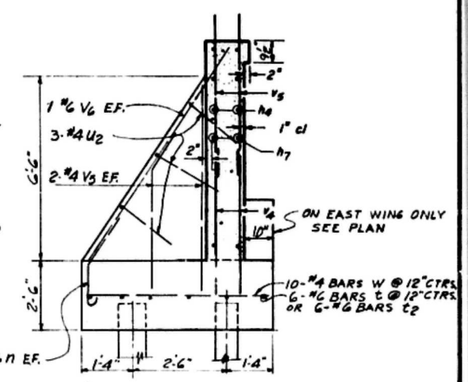
ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 10	13 HB	TAZEWELL	30	9
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT	( )	



ELEVATION
At Right Angles to ℄ Rdwy.



SIDE ELEVATION

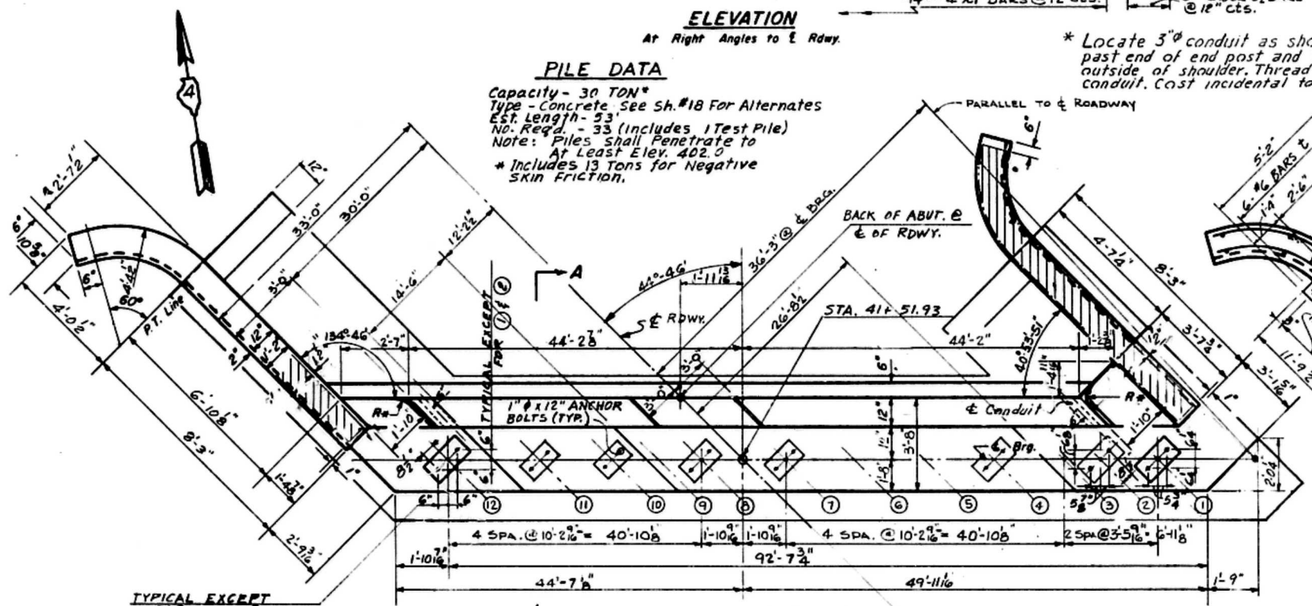


SECTION B-B

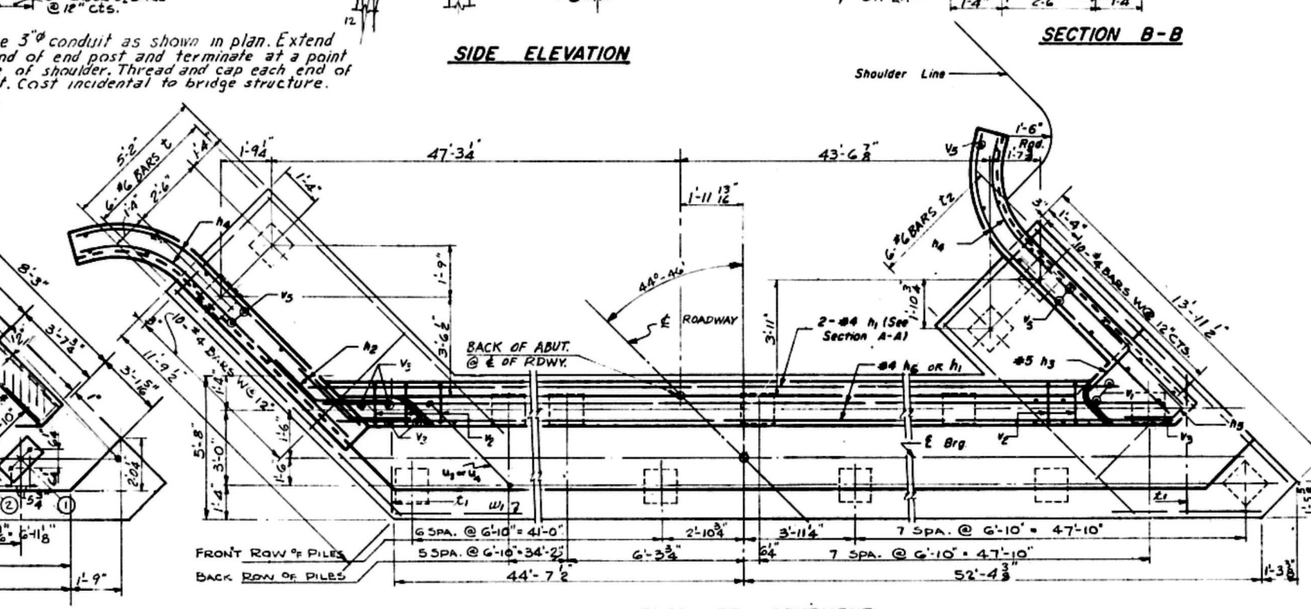
* Locate 3" ø conduit as shown in plan. Extend past end of end post and terminate at a point outside of shoulder. Thread and cap each end of conduit. Cost incidental to bridge structure.

PILE DATA

Capacity - 30 TON*
Type - Concrete See Sh. #18 For Alternates
Est. Length - 53'
No. Reqd. - 33 (Includes 1 Test Pile)
Note: Piles shall Penetrate to At Least Elev. 402.0
* Includes 13 Tons for Negative Skin Friction.

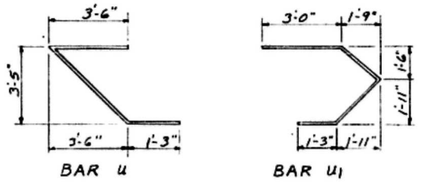


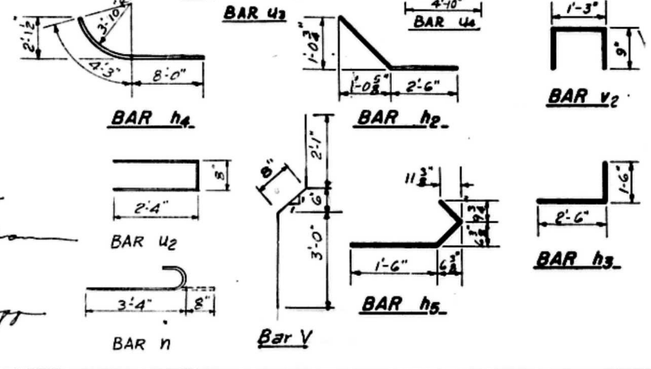
PLAN OF ABUTMENT
Dimensions



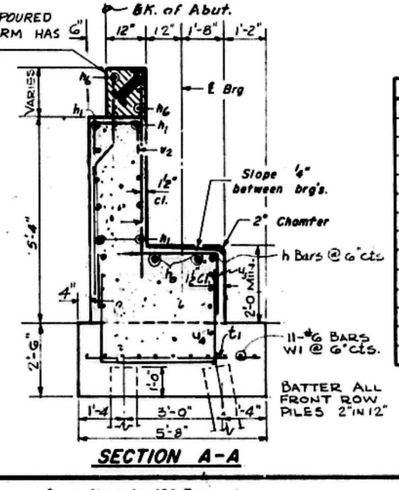
PLAN OF ABUTMENT
Reinforcement & Pile Spacing

* Note: Contractor shall construct curb without radius when a curb & gutter are to be used on bridge approaches (See Road Plans).





NOTE: SHADED AREA TO BE POURED AFTER SUPERSTRUCTURE FORM HAS BEEN REMOVED.



SECTION A-A

BILL OF REINFORCEMENT

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
h	32	#6	24'-10"	—	u	4	#6	9'-7"	
h1	40	#4	25'-0"	—	u1	4	#6	9'-3"	
h2	12	#5	4'-0"		u2	6	#4	5'-4"	
h3	6	#5	4'-0"	—	u3	98	#4	8'-4"	
h4	12	#5	13'-6"		u4	98	#4	9'-10"	
h5	6	#5	3'-6"		V	88	#4	5'-9"	—
h6	16	#4	23'-3"	—	V1	88	#4	5'-9"	—
h7	20	#5	9'-6"	—	V2	87	#4	2'-9"	
h8	8	#7	24'-10"	—	V3	12	#4	6'-6"	—
n	4	#6	4'-0"		V4	40	#5	5'-0"	—
					V5	64	#4	6'-6"	—
t	6	#6	11'-6"	—	V6	4	#6	8'-0"	—
t1	94	#4	5'-4"	—	W	20	#4	4'-10"	—
t2	6	#6	10'-0"	—	W1	44	#6	26'-0"	—

BILL OF MATERIAL

Item	Unit	Quantity
Class X Concrete	Cu Yd.	120.5
Reinforcement Bars	Lbs	8070
CONCRETE PILE	LIN. FT.	1696
Test Pile	Ea.	1

DESIGNED	P. H. M.
CHECKED	H. J. K.
DRAWN	P H M & H J K.
CHECKED	P. H. M. H Y F.

Jan 25 19 65
EXAMINED
PASSED
APPROVED

NORTH ABUTMENT

F. A. ROUTE 10 SECTION 13 HB

F. A. ROUTE 10 OVER ROOSEVELT ST.

STATION 42 + 41.37

TAZEWELL COUNTY

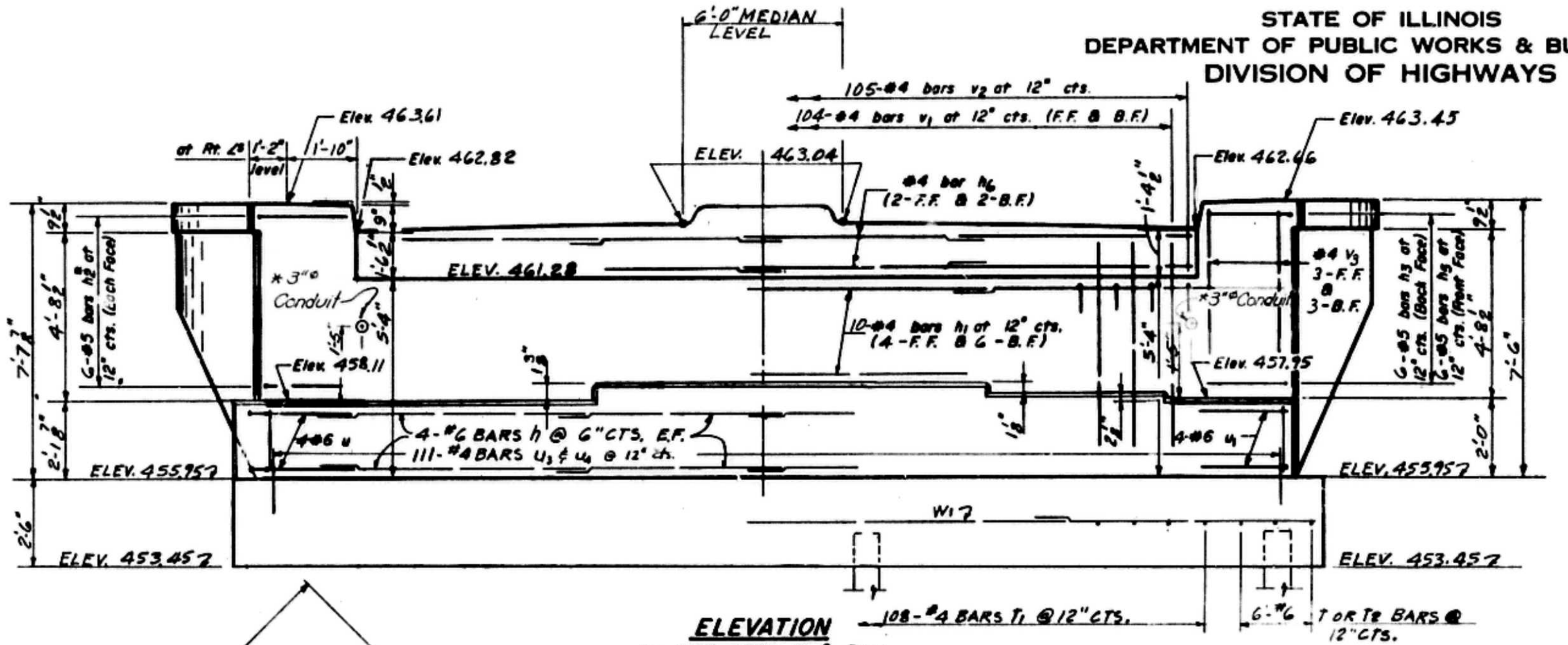
WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS · DECATUR, ILLINOIS

SBA-4

Rev. 1-15-65 F.K.J. class x con. from 114.0 to 120.5 cu. yds.

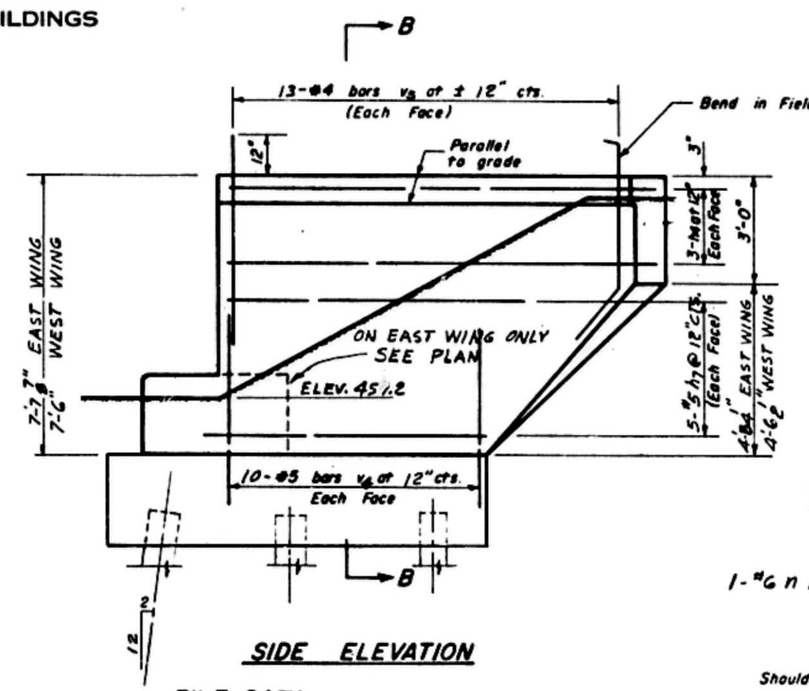
ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 10	13 HB	TAZEWELL	30	10
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		( )

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

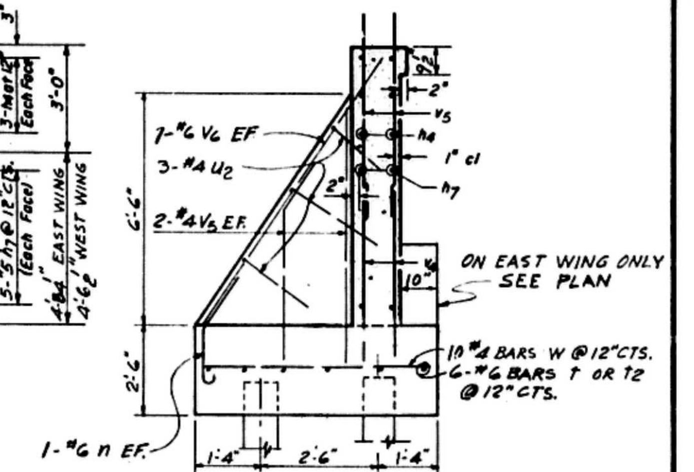


ELEVATION
At Right Angles to ℄ Rdwy.

*See Note on sheet 9

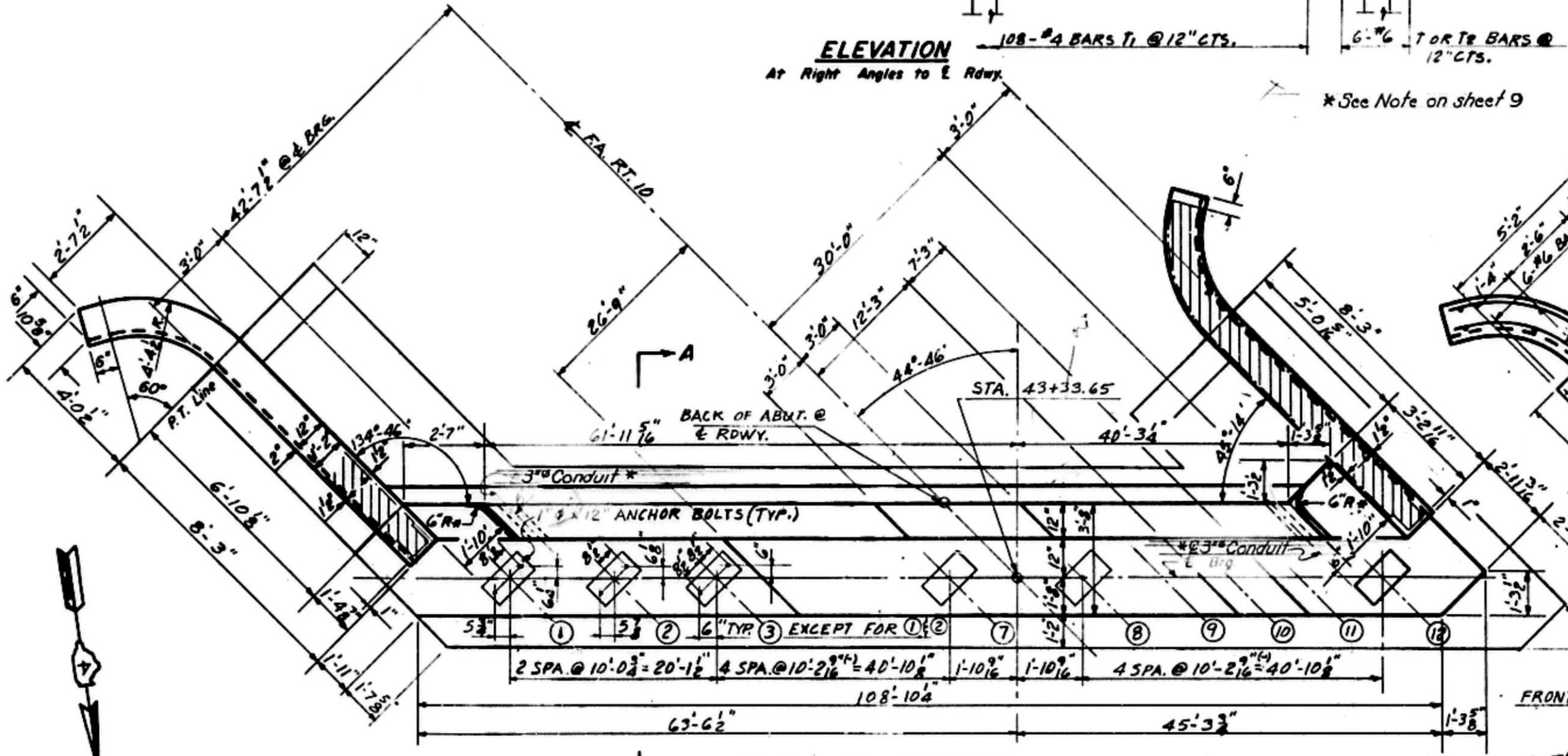


SIDE ELEVATION

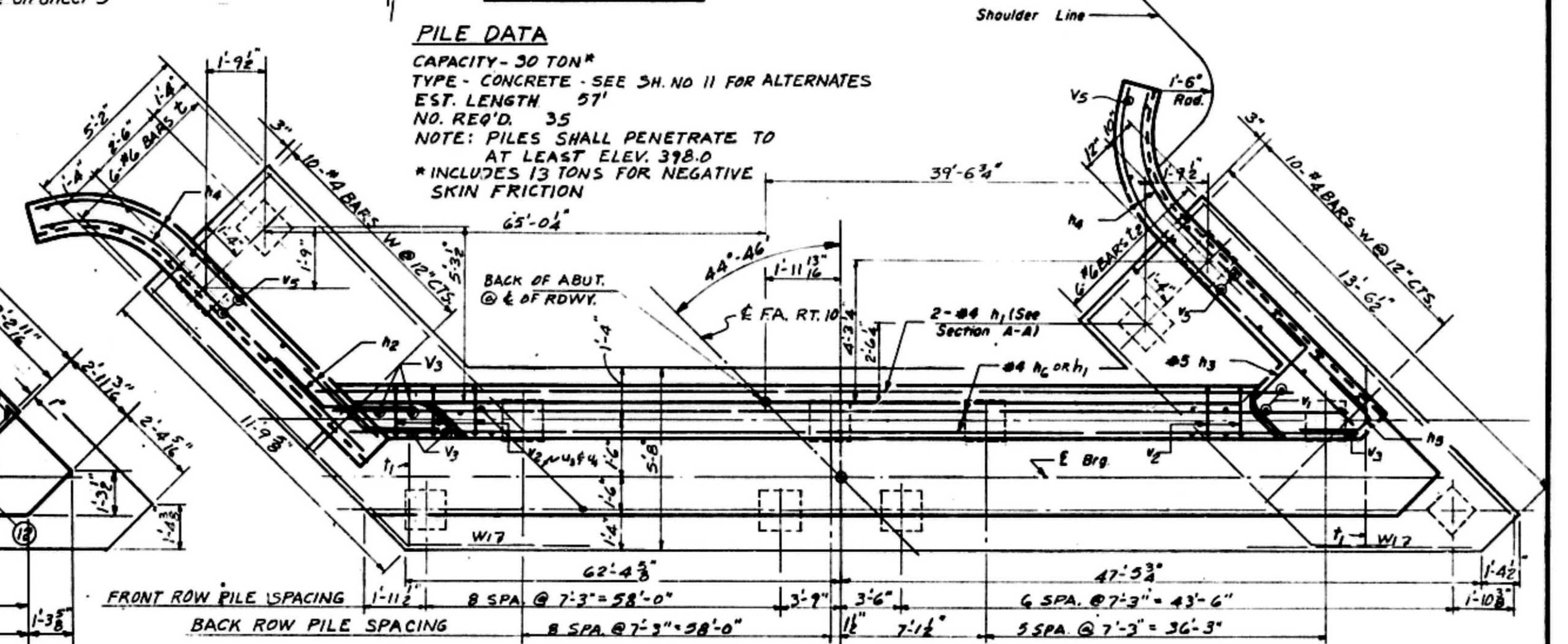


SECTION B-B

PILE DATA
CAPACITY - 30 TON*
TYPE - CONCRETE - SEE SH. NO 11 FOR ALTERNATES
EST. LENGTH 57'
NO. REQ'D. 35
NOTE: PILES SHALL PENETRATE TO AT LEAST ELEV. 398.0
* INCLUDES 13 TONS FOR NEGATIVE SKIN FRICTION

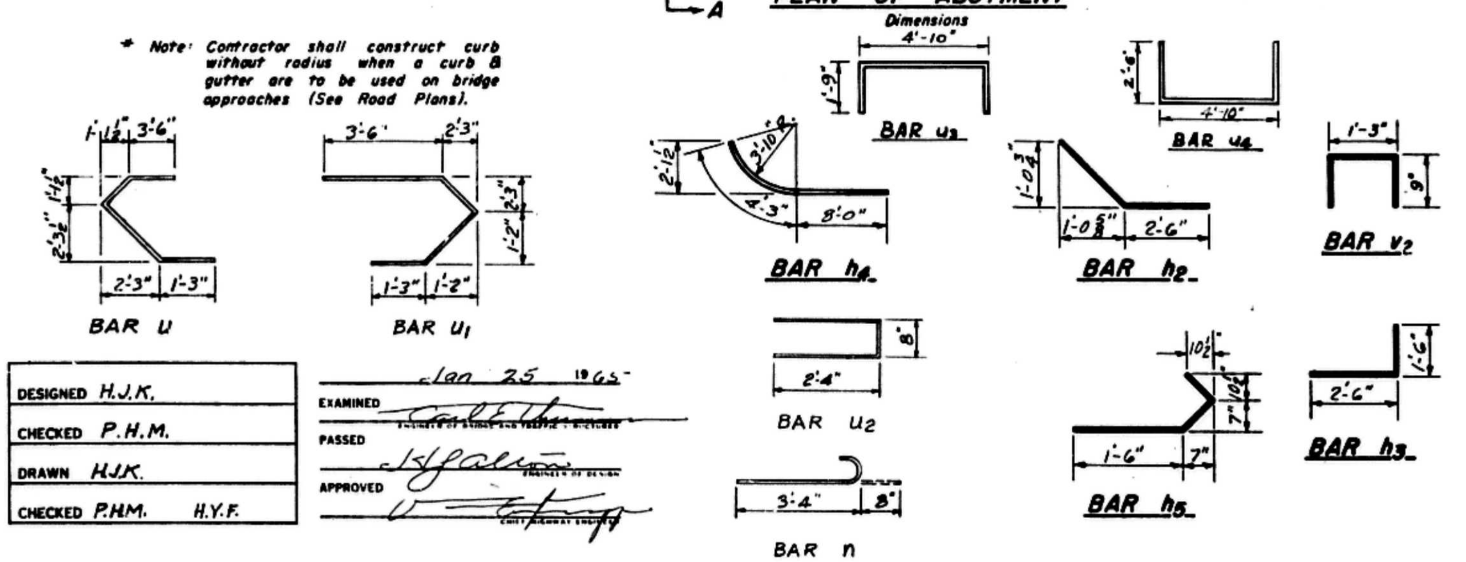


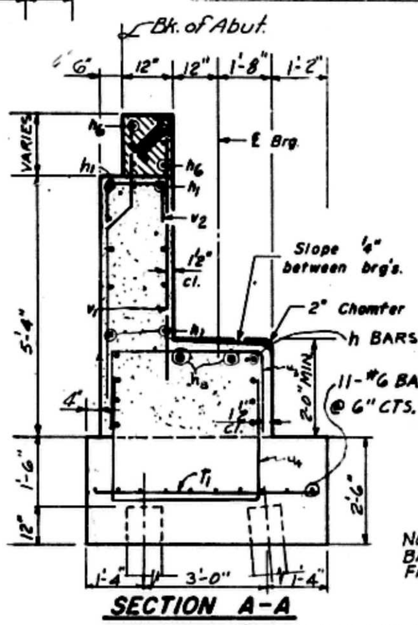
PLAN OF ABUTMENT



PLAN OF ABUTMENT
Reinforcement & Pile Spacing

* Note: Contractor shall construct curb without radius when a curb & gutter are to be used on bridge approaches (See Road Plans).





SECTION A-A

NOTE:
BATTER ALL PILES IN FRONT ROW - 2" IN 12".

BILL OF REINFORCMENT

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
h	32	#6	27'-6"	—	u	4	#6	9'-7"	⊂
h_1	40	#4	27'-2"	—	u_1	4	#6	9'-8"	⊃
h_2	12	#5	4'-0"	⌞	u_2	6	#4	5'-4"	⊐
h_3	6	#5	4'-0"	⌟	u_3	111	#4	8'-4"	⊐
h_4	12	#5	12'-3"	⌣	u_4	111	#4	9'-10"	⊐
h_5	6	#5	3'-7"	⌟					
h_6	16	#4	26'-3"	—	v_1	208	#4	5'-9"	—
h_7	20	#5	8'-3"	—	v_2	105	#4	2'-9"	⊓
h_8	8	#7	27'-6"	—	v_3	12	#4	6'-6"	—
n	4	#6	4'-0"	⊃	v_4	40	#5	5'-0"	—
					v_5	60	#4	6'-6"	—
t	6	#6	11'-6"	—	v_6	4	#6	8'-0"	—
t_1	108	#4	5'-4"	—	w	20	#4	4'-10"	—
t_2	6	#6	10'-0"	—	w_1	44	#6	28'-6"	—

Note: V bar not used.

BILL OF MATERIAL

Item	Unit	Quantity
Class X Concrete	Cu. Yd.	132.6
Reinforcement Bars	Lbs	8[illegible]00
CONCRETE PILE	LIN. Ft.	1995

SOUTH ABUTMENT

F.A. ROUTE 10 SECTION 13 H B

F.A. ROUTE 10 OVER ROOSEVELT ST.

STATION 42 + 41.37

TAZEWELL COUNTY

DESIGNED	H.J.K.
CHECKED	P.H.M.
DRAWN	H.J.K.
CHECKED	P.H.M. H.Y.F.

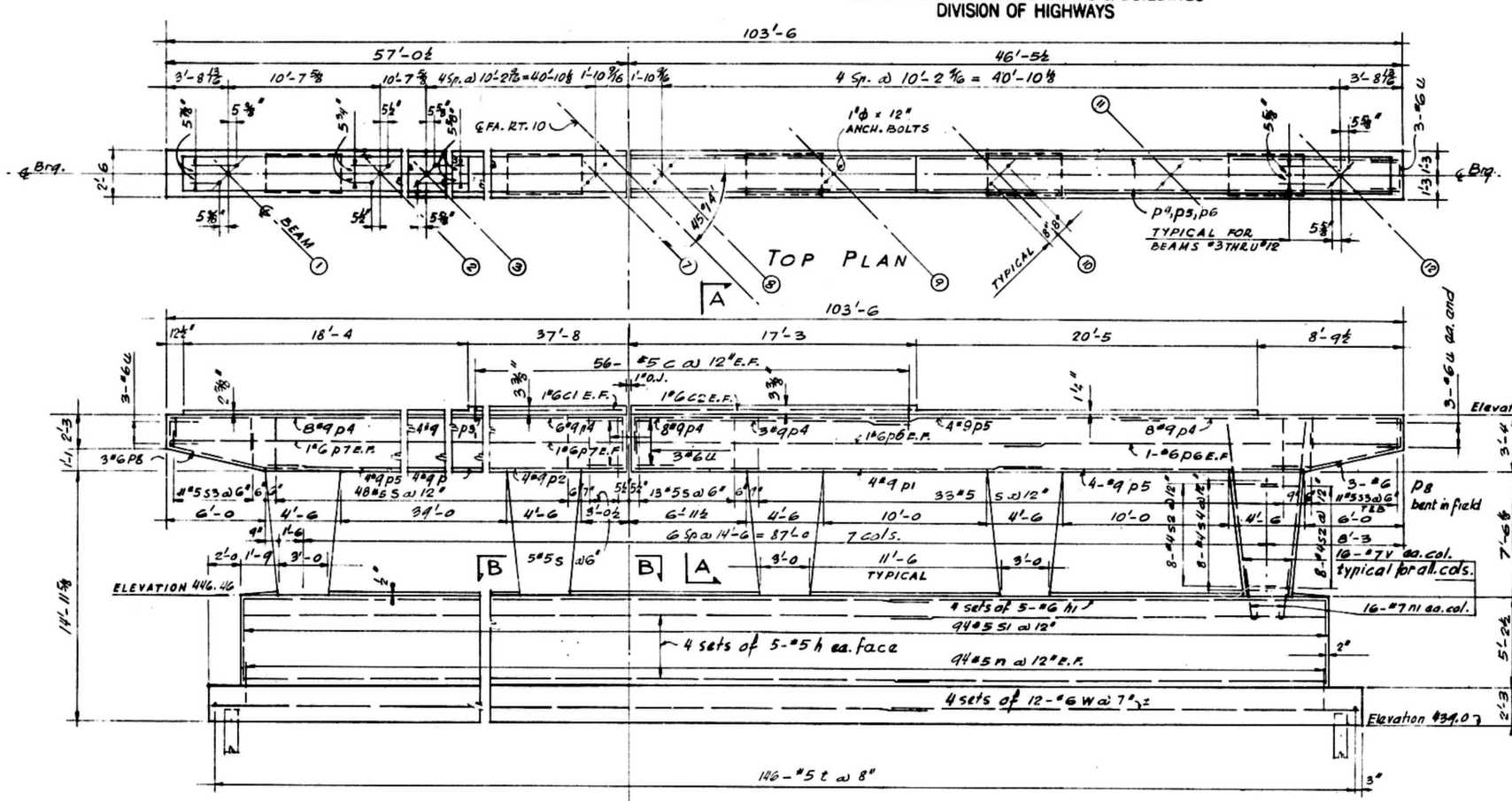
Jan 25 1965
EXAMINED [signature]
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED [signature]
ENGINEER OF DESIGN
APPROVED [signature]
CHIEF HIGHWAY ENGINEER

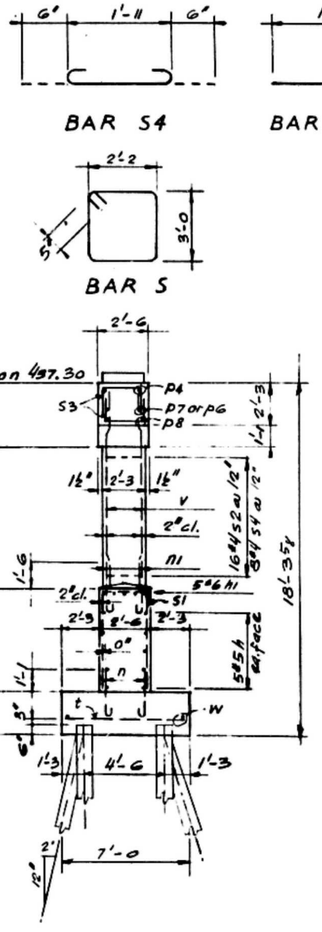
WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

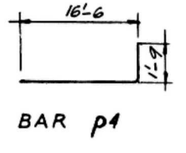
SBA-4

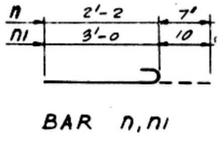
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

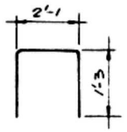
ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A. 10	13-HB	TAZEWELL	30	11
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

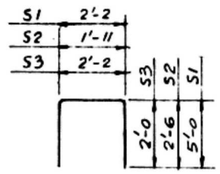












ALL BAR DIMENSIONS ARE OUT TO OUT.

PIER #1
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h_a	40	#5	24'-0	
$h1_a$	20	6	24'-0	
C	112	5	1'-7	
C1	2	6	37'-4	
C2	2	6	16'-10	
n_a	188	5	2'-9	
$n1_a$	112	7	3'-10	
P	4	9	16'-6	
P1	4	9	24'-6	
P2	4	9	21'-6	
P3	4	9	28'-0	
P4	33	9	18'-3	
P5	12	9	17'-6	
P6	4	6	23'-10	
P7	1	6	29'-0	
P8	6	6	7'-6	
S	99	5	11'-2	
S1	44	5	12'-2	
S2	112	4	2'-11	
S3	44	5	2'-2	
S4	56	4	2'-11	
t_a	146	5	6'-6	
u_a	12	6	4'-7	
v_a	112	7	10'-0	
W_a	48	6	25'-0	

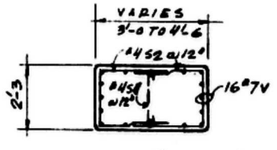
CLASS "X" CONCRETE	151.6	cu.yd
REINFORCEMENT BARS	16,290	lbs
CLASS "A" EXCAVATION	199	cu.yd
CONCRETE PILE	1520	LIN. FT

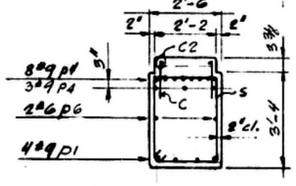
NOTE: BAR MARKS WITH SUBSCRIPT "a" ARE SHOWN ONLY IN BILL OF MATERIAL TO DIFFERENIATE BETWEEN PIER & ABUTMENT REINFORCEMENT.

PILE DATA

TYPE	CONCRETE	
CAPACITY	30 TONS*	MIN.
ESTIMATED LENGTH	38' ea. #	
NO. REQUIRED	40	

*INCLUDES 13T FOR NEGATIVE SKIN FRICTION
#PILES SHALL PENETRATE TO AT LEAST EL. 402.0





PIER NO. 1
F.A. ROUTE 10 SECTION 13-HB
F.A. ROUTE 10 OVER ROOSEVELT STREET
STATION 42+41.37
TAZEWELL COUNTY

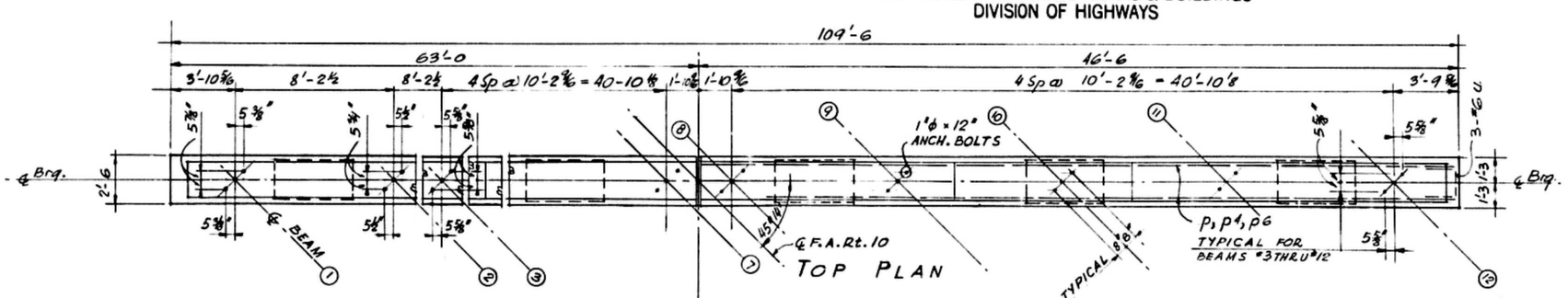
DESIGNED	P.H.M.
CHECKED	H.Y.F.
DRAWN	G.L.
CHECKED	H.Y.F.

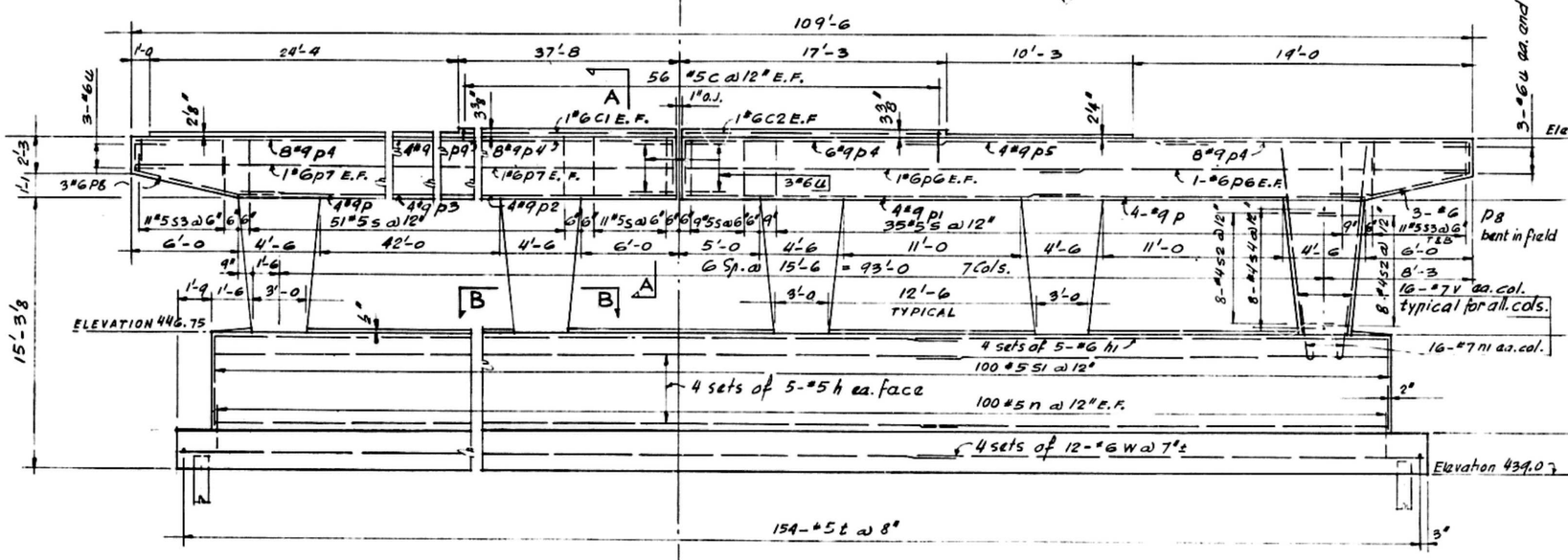
Nov. 25 1963
EXAMINED — ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — STATE HIGHWAY ENGINEER

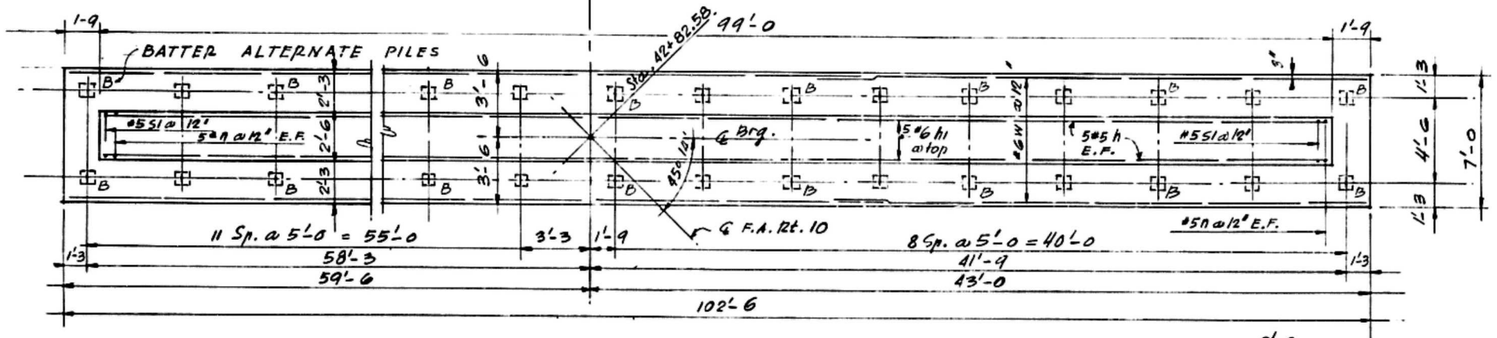
WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

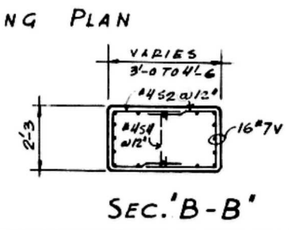
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

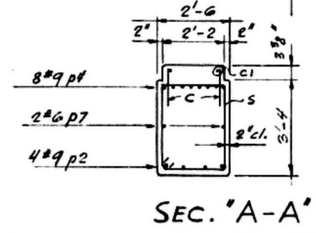
ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A. 10	13-HB	TAZEWELL	30	12
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		

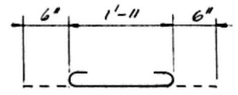


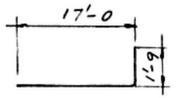


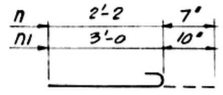


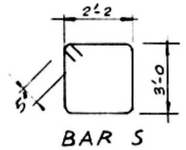


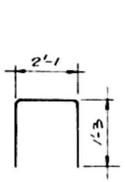


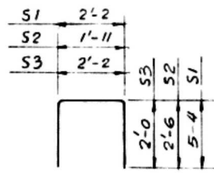




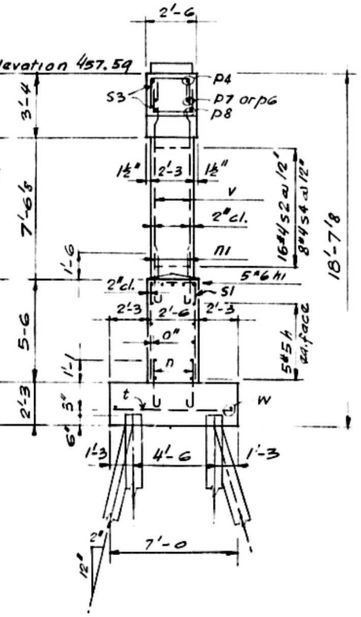








ALL BAR DIMENSIONS ARE OUT TO OUT.



PILE DATA

TYPE	CONCRETE
CAPACITY	30 TONS* MIN.
ESTIMATED LENGTH	42' ea. #
NO. REQUIRED	42 #

*INCLUDES 13' FOR NEGATIVE SKIN FRICTION
#PILES SHALL PENETRATE TO AT LEAST EL. 398.0
*INCLUDES ONE TEST PILE

PIER # 2
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
ha	40	# 5	25-6	
h1a	20	6	25-6	
c	112	5	1-7	
c1	2	6	37-4	
c2	2	6	16-10	
na	200	5	2-9	
n1a	112	7	3-10	
P	8	9	18-9	
P1	4	9	25-9	
P2	4	9	24-9	
P3	4	9	17-6	
P4	30	9	18-9	
P5	4	9	16-6	
P6	4	6	24-0	
P7	4	6	32'-6	
P8	6	6	7-6	
P9	4	9	33-4	
S	106	5	11-2	
S1	100	5	12-10	
S2	112	4	6-11	
S3	44	5	6-2	
S4	56	4	2'-11	
ta	154	5	6'-6	
Ua	12	6	4-7	
Va	112	7	10'-6"	
Wa	48	6	26-3	

CLASS "X" CONCRETE	161.7 CU. YDS.
REINFORCEMENT BARS	16830 LBS.
CLASS "A" EXCAVATION	209 CU. YDS.
CONCRETE PILES	1722 LIN. FT.
TEST PILES	1 EA.

NOTE: BAR MARKS WITH SUBSCRIPT 'a' ARE SHOWN ONLY IN BILL OF MATERIAL TO DIFFERENTIATE BETWEEN PIER & ABUTMENT REINFORCEMENT

PIER NO. 2

F.A. ROUTE 10 SECTION 13-HB

F.A. ROUTE 10 OVER ROOSEVELT STREET

STATION 42+41.37

TAZEWELL COUNTY

DESIGNED	P.H.M.
CHECKED	H.Y.F.
DRAWN	G.L.
CHECKED	H.Y.F.

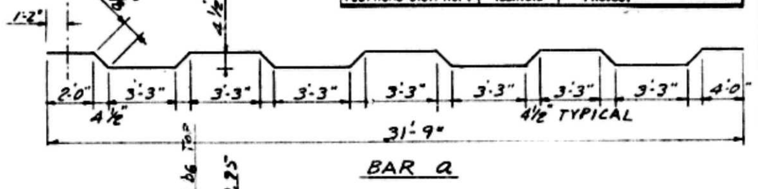
Jan 25 1965
EXAMINED — ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER

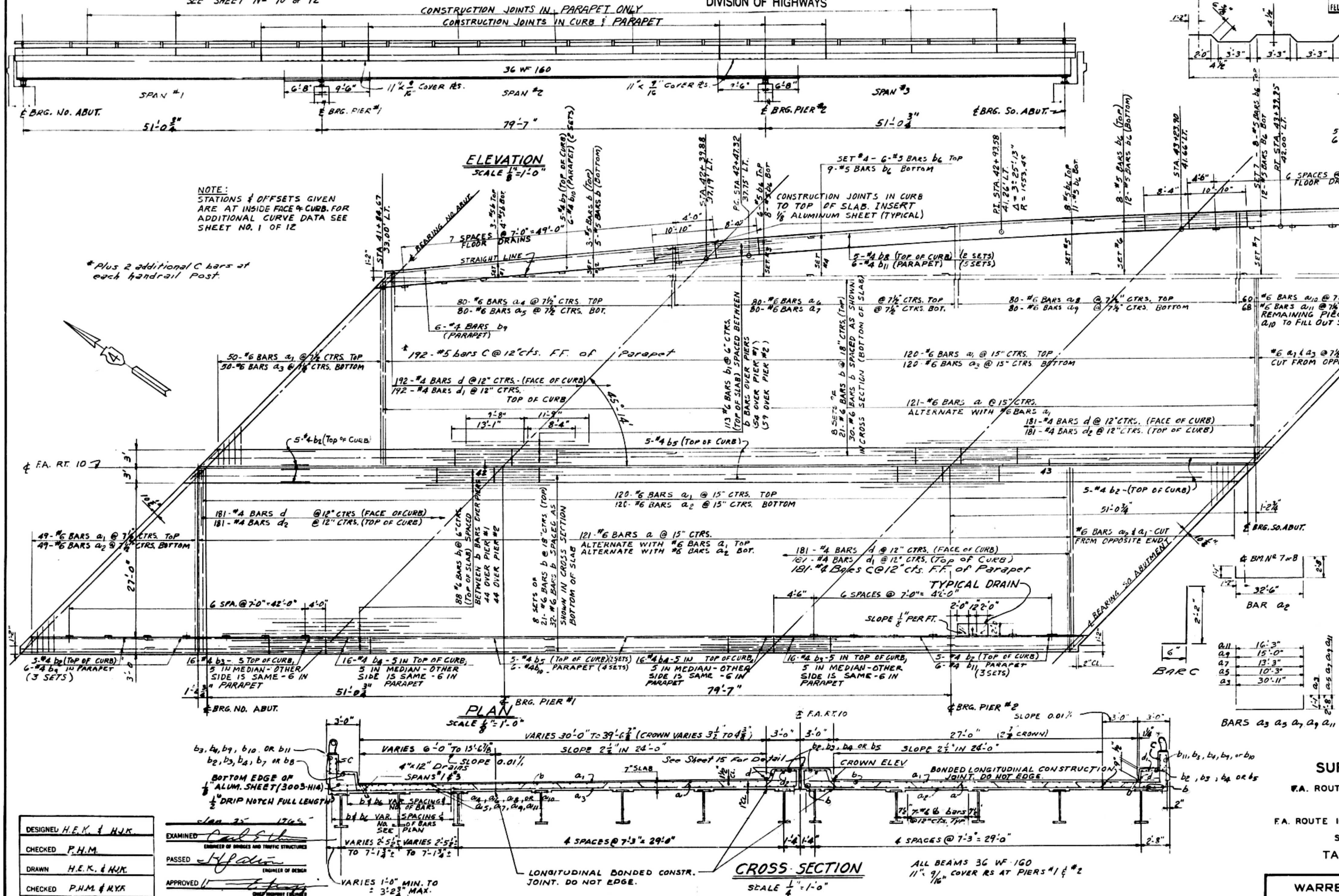
WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

NOTE: FOR CONSTRUCTION JOINT DETAILS & SPACING IN CURBS & PARAPETS SEE SHEET Nº 10 of 12

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

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
FA 10	13-HB	TAZEWELL	30	13
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		





BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a	242	#6	33'-0"	
a1	339	#6	32'-4"	
a2	169	#6	36'-3"	
a3	170	#6	32'-0"	
a4	80	#6	8'-6"	
a5	80	#6	12'-11"	
a6	80	#6	11'-5"	
a7	80	#6	15'-11"	
a8	80	#6	13'-6"	
a9	80	#6	17'-8"	
a10	60	#6	16'-5"	
a11	68	#6	18'-11"	
b	847	#6	24'-0"	
b1	201	#6	21'-5"	
b2	70	#4	20'-10"	
b3	40	#4	10'-6"	
b4	40	#4	8'-0"	
b5	30	#4	32'-9"	
b6	108	#5	25'-6"	
b7	10	#4	24'-0"	
b8	10	#4	34'-3"	
b9	42	#4	13'-8"	
b10	36	#4	15'-5"	
b11	48	#4	13'-3"	
c	455	#5	2'-8"	
d	735	#4	1'-4"	
d1	373	#4	2'-8"	
d2	362	#4	2'-8"	

CLASS X CONCRETE	C.Y.	401.5
REINFORCEMENT BARS	LBS	105,510
*STRUCTURAL STEEL	LBS.	440,470
NAME PLATE	EA.	1

*WT. OF ROCKERS, BOLSTERS, BEARING PLS, LEAD PLS, & ANCHOR BOLTS INCLUDED IN WT. OF STR. STL.

ESTIMATED WT. 15,090 LBS.

SUPERSTRUCTURE

F.A. ROUTE 10 SECTION 13 HB

F.A. ROUTE 10 OVER ROOSEVELT STREET

STATION 42+41.37

TAZEWELL COUNTY

DESIGNED	H.E.K. & HJK.
CHECKED	P.H.M.
DRAWN	H.E.K. & HJK.
CHECKED	P.H.M. & H.Y.F.

Jan 25 1965

EXAMINED [signature] ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES

PASSED [signature] ENGINEER OF DESIGN

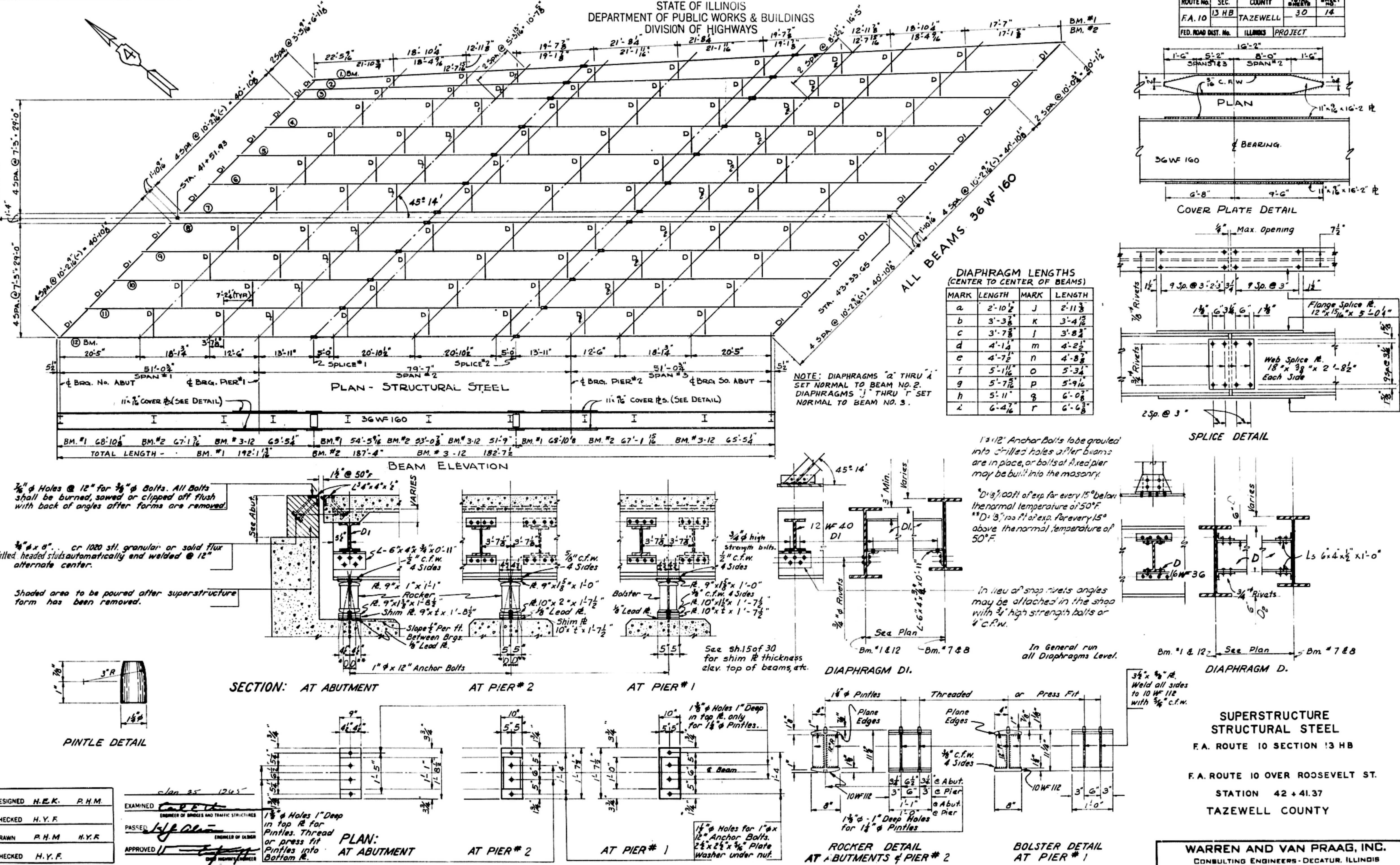
APPROVED [signature] CHIEF HIGHWAY ENGINEER

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

Revision: 1-15-65 FKJ. Revised Drains, Added C bar, increased distribution steel, & revised quantity of reinforcement from 95,580 to 105,510 lbs.

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 10	13 HB	TAZEWELL	30	14
FED. ROAD DIST. No.		ILLINOIS	PROJECT	

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



7/16" ϕ Holes @ 12" for 3/8" ϕ Bolts. All Bolts shall be burned, sawed or clipped off flush with back of angles after forms are removed.

3/4" ϕ x 8" .. cr 1020 stl. granular or solid flux filled headed studs automatically end welded @ 12" alternate center.

Shaded area to be poured after superstructure form has been removed.

NOTE: DIAPHRAGMS "a" THRU "i" SET NORMAL TO BEAM NO. 2. DIAPHRAGMS "j" THRU "r" SET NORMAL TO BEAM NO. 3.

DIAPHRAGM LENGTHS
(CENTER TO CENTER OF BEAMS)

MARK	LENGTH	MARK	LENGTH
a	2'-10 1/2"	j	2'-11 3/8"
b	3'-3 7/8"	k	3'-4 15/16"
c	3'-7 5/8"	l	3'-8 3/4"
d	4'-1 1/4"	m	4'-2 1/2"
e	4'-7 1/2"	n	4'-8 7/8"
f	5'-1 11/16"	o	5'-3 1/4"
g	5'-7 5/16"	p	5'-9 1/16"
h	5'-11"	q	6'-0 7/8"
i	6'-4 7/16"	r	6'-6 3/8"

1" ϕ x 12" Anchor Bolts to be grouted into drilled holes after beams are in place, or bolts at fixed pier may be built into the masonry.

*D = 1/8"/100 ft. of exp. for every 15° below the normal temperature of 50°F.
**D = 1/8"/100 ft. of exp. for every 15° above the normal temperature of 50°F.

In lieu of shop rivets angles may be attached in the shop with 3/4" high strength bolts or 1/4" c.f.w.

In General run all Diaphragms Level.

See sh. 15 of 30 for shim PL. thickness elev. top of beams, etc.

1 3/8" ϕ Holes 1" Deep in top PL. for Pintles. Thread or press fit Pintles into Bottom PL.

1 3/8" ϕ Holes 1" Deep in top PL. only for 1 1/4" ϕ Pintles.

1 1/4" ϕ Holes for 1" ϕ x 12" Anchor Bolts. 2 1/2" x 2 1/2" x 5/16" Plate Washer under nut.

SUPERSTRUCTURE
STRUCTURAL STEEL
F.A. ROUTE 10 SECTION 13 HB
F.A. ROUTE 10 OVER ROOSEVELT ST.
STATION 42 + 41.37
TAZEWELL COUNTY

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

DESIGNED	H.E.K.	P.H.M.
CHECKED	H.Y.F.	
DRAWN	P.H.M	H.Y.F.
CHECKED	H.Y.F.	

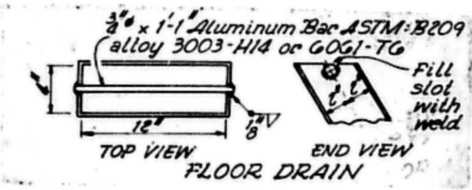
Jan 25 1965
EXAMINED [illegible] ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED [illegible] ENGINEER OF DESIGN
APPROVED [illegible] CHIEF HIGHWAY ENGINEER

SBS-1

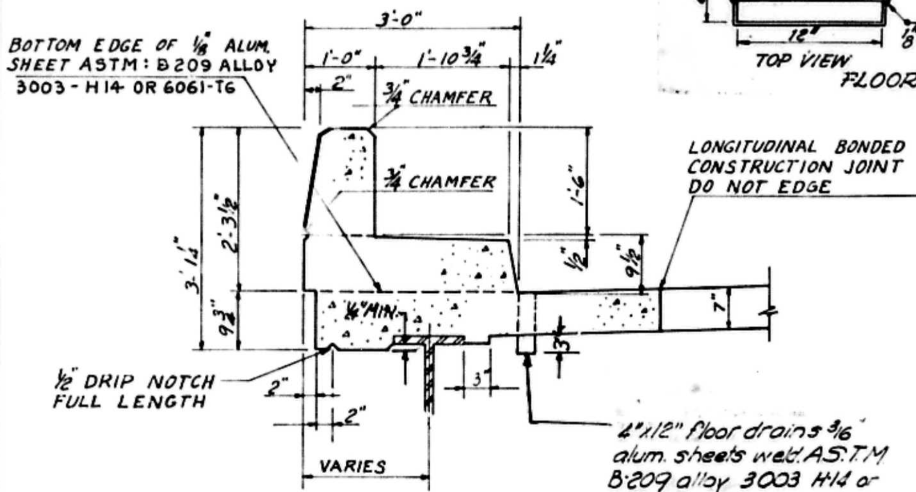
Added note for bearings

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A. 10	13 HB	TAZEWELL	30	15
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT	( )	

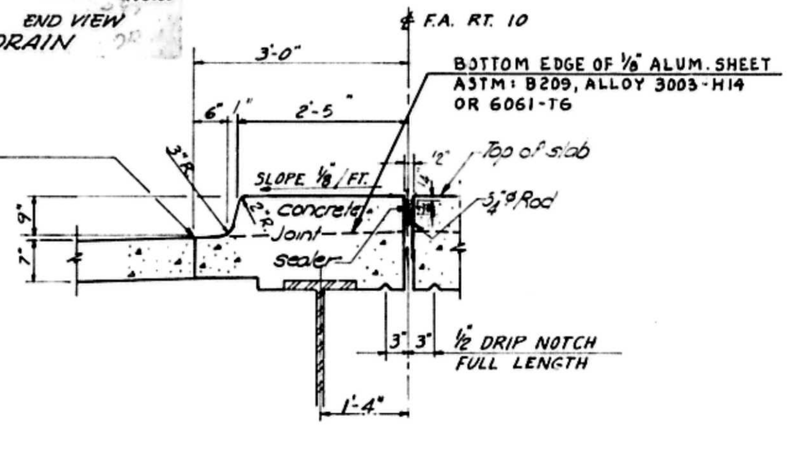
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



FLOOR DRAIN



CURB DETAIL



MEDIAN DETAIL

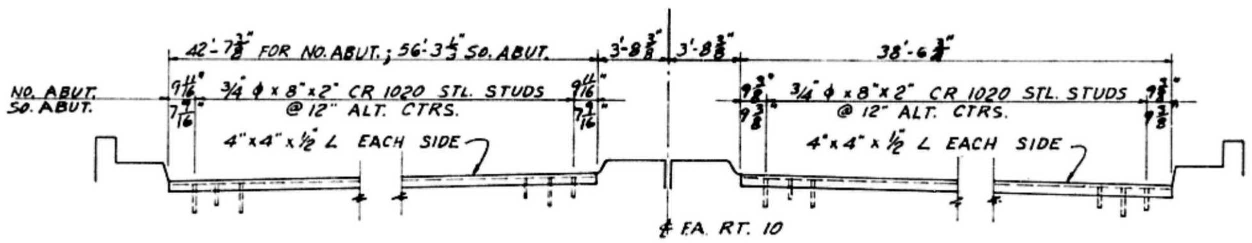
NOTE: COST OF ALUMINUM SHEETS AND DRAINS SHALL BE INCIDENTAL TO CLASS X CONC.

"t" DIMENSIONS OF SHIM PLS IN IN.
SEE SHEET NO. 7 OF 10

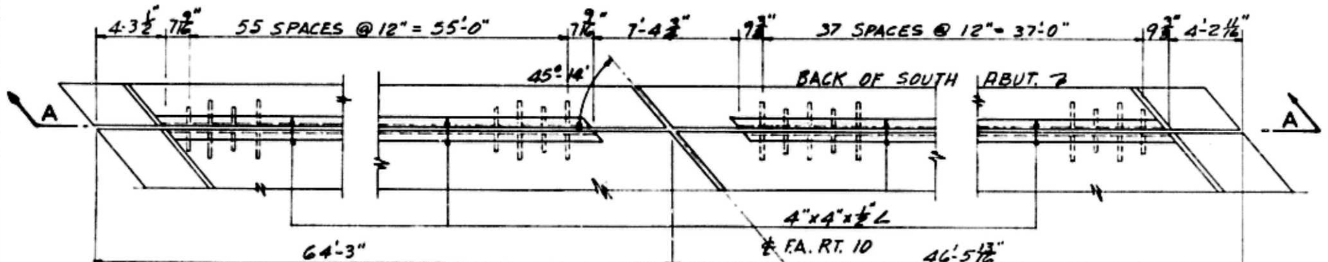
BEAM NO.	NORTH ABUT.	PIER #1	PIER #2	SOUTH ABUT.
1	0	0	0	0
2	0	1/4"	1/4"	1/4"
3	1/4"	5/8"	3/4"	7/8"
4	0	0	0	0
5	3/8"	3/8"	3/8"	3/8"
6	3/4"	7/8"	7/8"	7/8"
7	1"	1 1/8"	1 1/8"	1 1/8"
8	7/8"	1"	1"	1"
9	0	0	0	0
10	1 1/8"	1 1/8"	0	0
11	0	0	1 1/8"	1 1/8"
12	0	0	0	0

ELEVATION TOP OF BEAMS

BEAM NO.	℄ BRG. N. ABUT.	℄ BRG. PIER #1	℄ SPLICE #1	℄ SPLICE #2	℄ BRG. PIER #2	℄ BRG. S. ABUT.
1	461.59	461.76	461.81	462.00	462.06	462.25
2	461.58	461.78	461.83	462.02	462.08	462.27
3	461.60	461.81	461.86	462.07	462.12	462.32
4	461.64	461.84	461.90	462.10	462.16	462.36
5	461.67	461.87	461.93	462.14	462.19	462.39
6	461.70	461.91	461.96	462.17	462.23	462.43
7	461.72	461.93	461.98	462.19	462.25	462.45
8	461.71	461.92	461.97	462.18	462.24	462.44
9	461.64	461.84	461.90	462.10	462.16	462.36
10	461.54	461.75	461.80	462.01	462.07	462.27
11	461.45	461.66	461.71	461.92	461.97	462.18
12	461.36	461.56	461.62	461.83	461.88	462.09

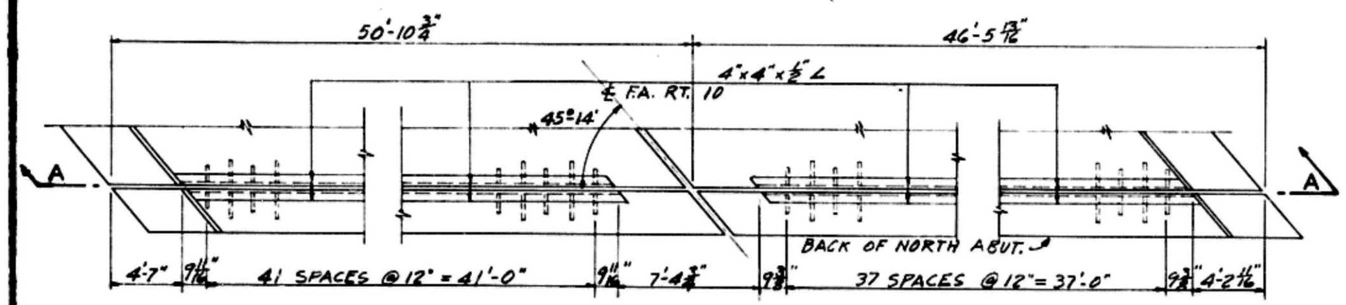


SECTION A-A

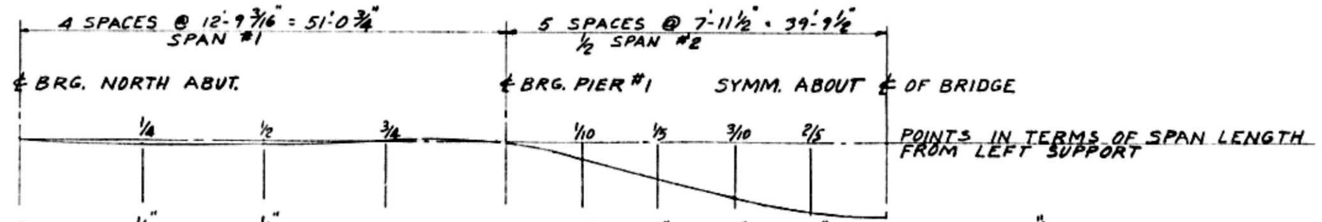


PLAN - SOUTH ABUTMENT

NOTE: PROVIDE 3/4" φ VENT HOLES @ ±2'-0" CTS. FULL LENGTH OF HORIZONTAL LEGS OF ALL EXPANSION GUARDS.

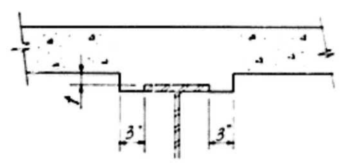


PLAN - NORTH ABUTMENT



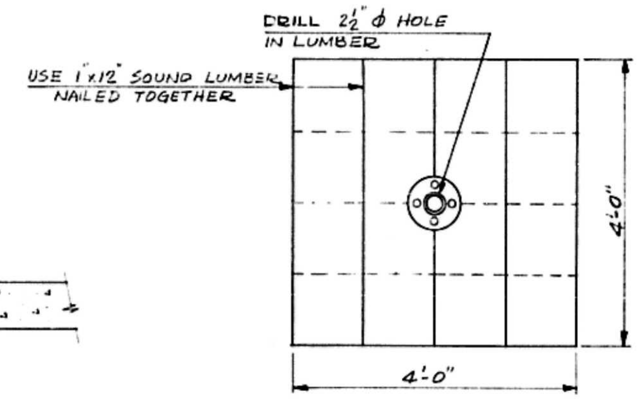
℄ Brg. North Abut.	1/4	1/2	3/4	℄ Brg. Pier #1	1/10	1/5	3/10	2/5	℄ of Bridge	
0	1/16"	1/16"	0	0	1/4"	1/2"	3/4"	15/16"	1"	D.L. DEFLECTION OF BEAM NO. 4, 5, 6, 9, 10, 11
0	1/8"	1/8"	0	0	3/8"	3/4"	1 1/8"	1 3/8"	1 1/2"	DO. DO. 1
0	1/16"	1/16"	0	0	3/16"	3/8"	5/8"	3/4"	3/4"	DO. DO. 2
0	1/16"	1/16"	0	0	3/16"	7/16"	11/16"	13/16"	7/8"	DO. DO. 3, 7, 8
0	1/8"	1/8"	1/8"	0	5/16"	11/16"	1 1/16"	1 3/8"	1 7/16"	DO. DO. 12

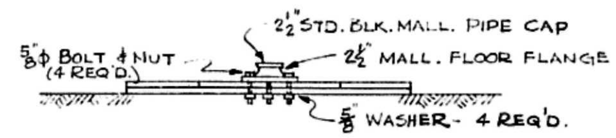
DEAD LOAD DEFLECTION DIAGRAM



After all Structural Steel has been erected, elevations of the top flanges of the beams shall be taken at intervals not to exceed 10'-0". From these elevations subtract the increment of deflections for these points, determined from the D.L. Deflection diagram. The elevations so attained subtracted from the theoretical grade elevations, minus floor thickness equals the fillet height above top of beam.

METHOD OF DETERMINING FILLET HEIGHT "t"





DETAIL OF SETTLEMENT PLATFORM

GENERAL NOTES FOR SETTLEMENT PLATFORM

1. SETTLEMENT PLATFORM SHALL CONSIST OF: COMPLETE PLATFORM, WOODEN BASE, BOLTS, WASHERS, NUTS, FLOOR FLANGE, 4'-0" LGTHS. 2 1/2" PIPE, 2 1/2" COUPLINGS, & 1-2 1/2" PIPE CAP.
2. THREE PLATFORMS ASSEMBLED AS INDICATED REQUIRE THE FOLLOWING MATERIAL
   15± 2 1/2" PIPE COUPLINGS
   15± 4'-0" LENGTHS 2 1/2" STD. BLACK PIPE THREADED AT BOTH ENDS

EXPANSION GUARD
REFER TO CROSS SECTION AT ABUTMENT ON SHEET NO. 7 OF 12

DESIGNED	HJK.
CHECKED	P.H.M.
DRAWN	HJK
CHECKED	P.H.M. H.Y.F.

Jan 25 - 1965
EXAMINED [signature] ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED [signature] ENGINEER OF DESIGN
APPROVED [signature] CHIEF HIGHWAY ENGINEER

MISCELLANEOUS DETAILS

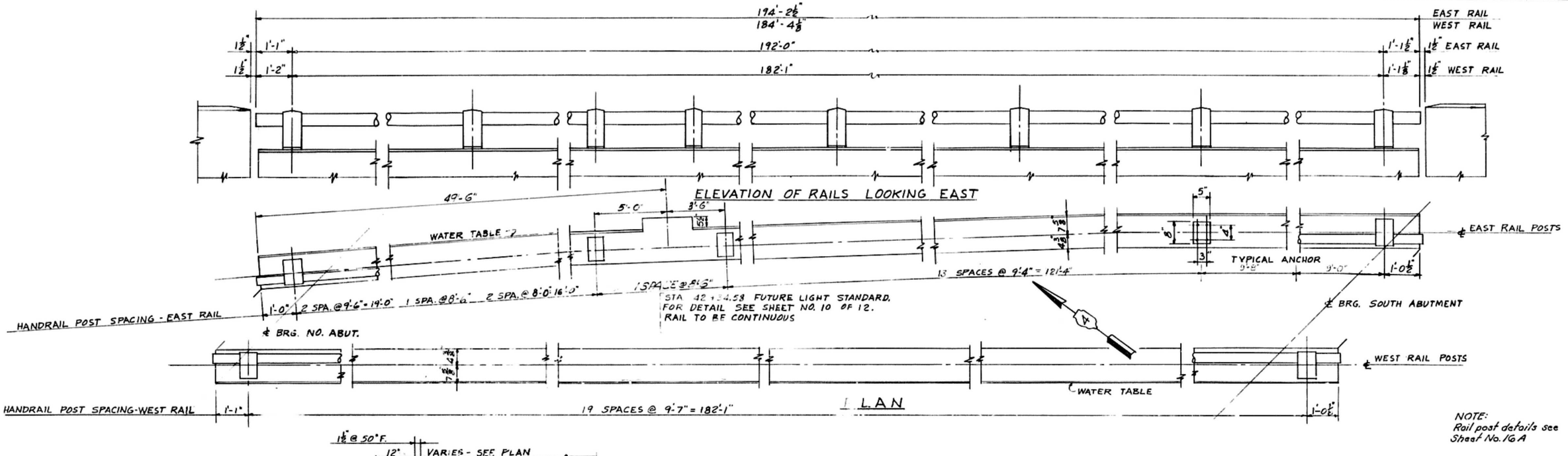
F.A. ROUTE 10 SECTION 13-HB

F.A. ROUTE 10 OVER ROOSEVELT ST.
STATION 42 + 41.37
TAZEWELL COUNTY

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

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

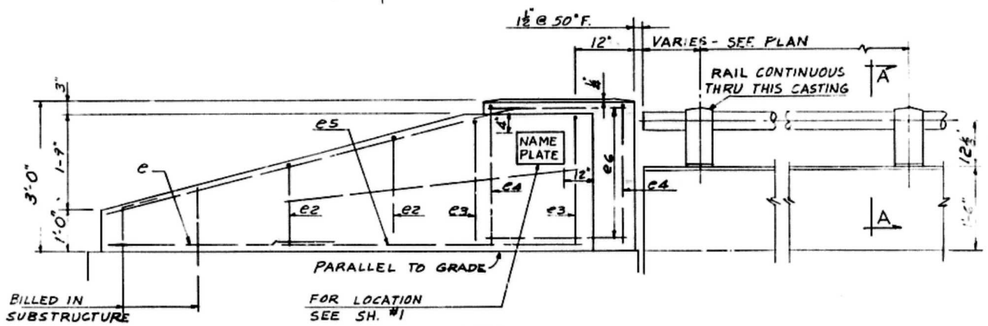
ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 10.	13-HB	TAZEWELL	30	16
FED. ROAD DIST. No. 71	ILLINOIS	PROJECT		( )



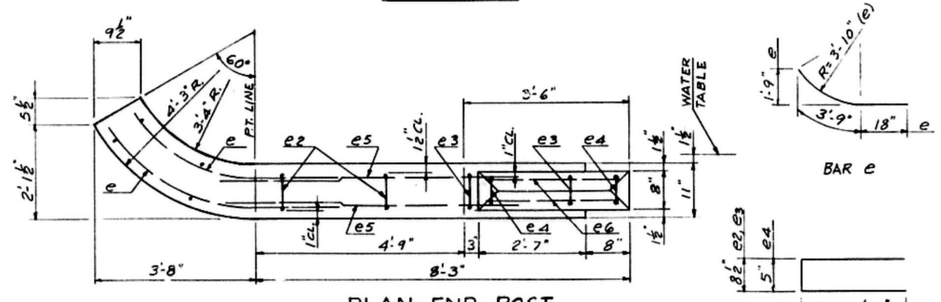
ELEVATION OF RAILS LOOKING EAST

I LAN

NOTE:
Rail post details see
Sheet No. 16A



ELEVATION



PLAN-END POST

BAR e2, e3, & e4

ALL BAR DIMENSIONS ARE OUT TO OUT

Note:
Minimum distance from ℄ post to ℄ joint = 6".

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
e	16	#4	5'-3"	
e2	8	#4	3'-6"	
e3	8	#4	5'-4"	
e4	8	#4	5'-7"	
e5	24	#4	6'-0"	
e6	16	#4	3'-0"	
CLASS "X" CONCRETE			CU YDS	3.1
REINFORCEMENT BARS			LBS.	260
ALUMINUM HANDRAIL			L.F.	379

DESIGNED	HJK
CHECKED	WBS
DRAWN	HJK
CHECKED	

Jan 25 1965
RECOMMENDED ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED ENGINEER OF DESIGN
APPROVED CHIEF HIGHWAY ENGINEER

HANDRAIL DETAILS

F.A. ROUTE 10 SECTION 13 HB-

F.A. ROUTE 10 OVER ROOSEVELT STREET

STATION 42 + 41.37

TAZEWELL COUNTY

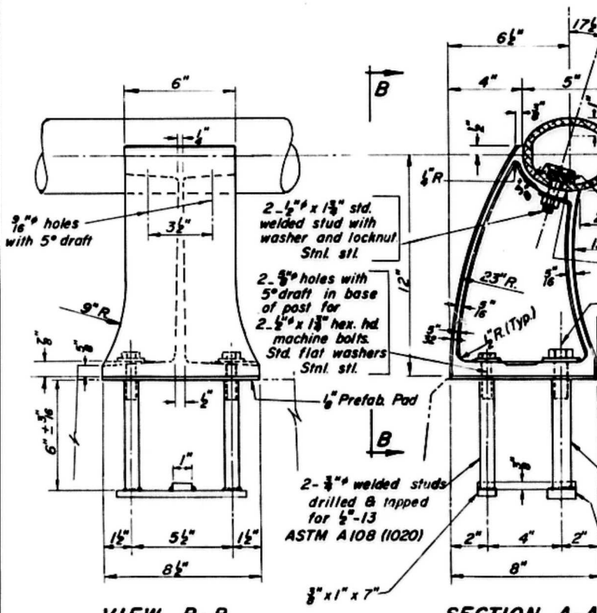
WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.10	13-HB	TAZEWELL	30	16A
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 16A
30 SHEETS

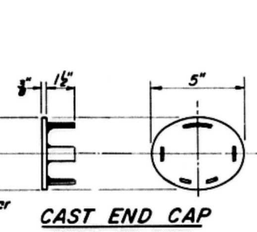
See Sheets 16 & 17 for Rail post & Parapet joint spacing.



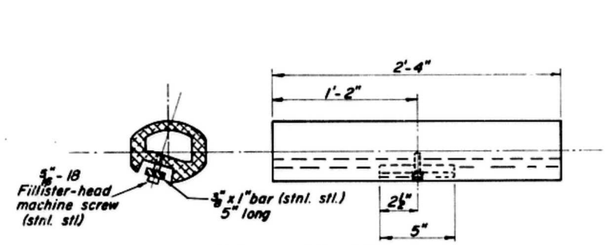
VIEW B-B

SECTION A-A

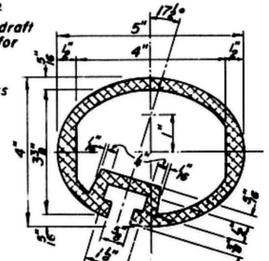
RAIL POST DETAILS



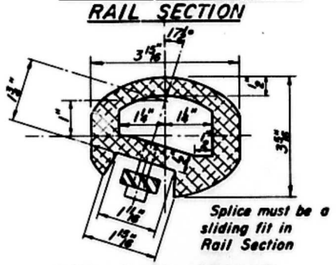
CAST END CAP
DRIVE FIT TYPE
Required



RAIL SPLICE



SEC. THRU ELLIPTICAL RAIL SECTION



SEC. THRU SPLICE

NOTES:

All Posts shall be normal to parapet.

All Aluminum Alloy Extruded Rail shall conform to ASTM specification B-235 alloy 6061-T6, or 6062-T6, and shall extend a minimum of 2 panel lengths (attached to minimum of 3 posts) except at ends or at open joints where a minimum of 1 panel length is required. All joints in railing must be spliced per detail.

See Special Provisions for following Material Specifications:

Cast Aluminum Alloy Bridge Post— Alloy 344-T4.
Stainless Steel Welded Stud Bolts, Washers, and Locknuts.

For material composition of Prefabricated Pad, see Article 54.9(1), (Bearing and Anchorage), of the Standard Specifications.

METHOD of MEASUREMENT: Aluminum handrail shall be measured in lineal feet. The length paid for shall be the over all length along the top longitudinal railing member thru all posts and gaps.

BASIS of PAYMENT: Aluminum handrail shall be paid for at the contract unit price per lineal foot for ALUMINUM HANDRAIL, measured as specified, which price shall be payment in full for all materials, fabrication, transportation, and erection.

Cost of rail splice, end caps, and hardware to be incidental to item ALUMINUM HANDRAIL.

DESIGNED	
CHECKED	
DRAWN Wm. M. Best	
CHECKED	

dec 8th 1965

EXAMINED _____ ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

PASSED _____ ENGINEER OF DESIGN

APPROVED _____ CHIEF HIGHWAY ENGINEER

R-17 Dwn 5-28-64

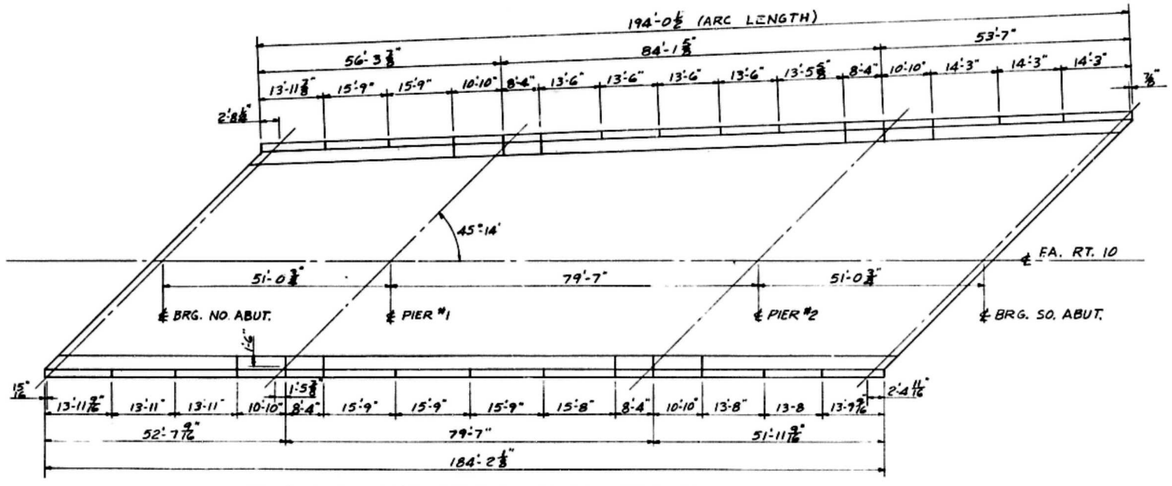
ALUMINUM HANDRAIL
F.A. ROUTE 10 SECTION 13 HB
TAZEWELL COUNTY
STATION 42+41.37

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

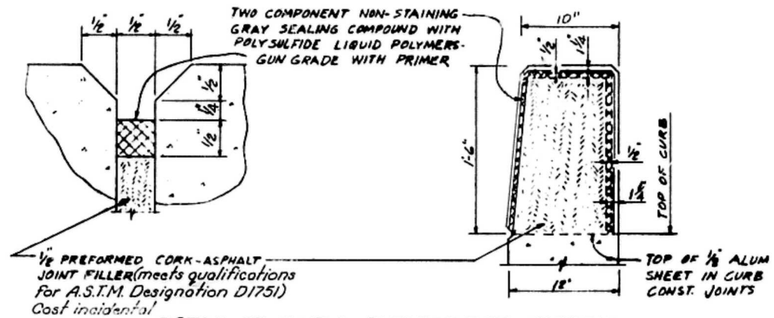
ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A. 10	13 HB	TAZEWELL	30	17
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT	( )	

ELEVATIONS TOP OF DECK OVER BEAMS

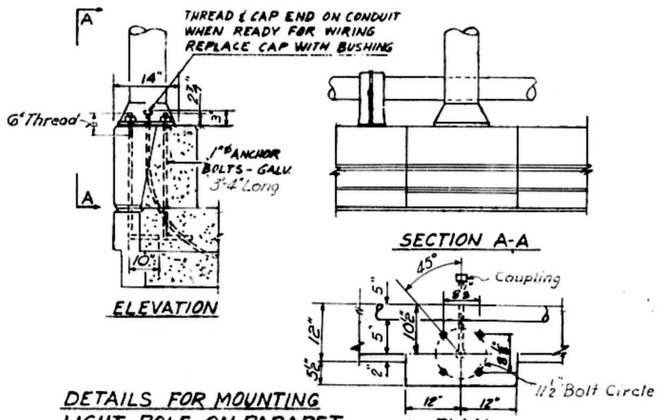
	SPAN NO. 1				SPAN NO 2												SPAN NO. 3				
BEAM NUMBER	℄ BRG. NO. ABUT.	1/4	1/2	3/4	℄ BRG. PIER #1	1/10	1/5	SPLICE NO. 1	3/10	2/5	1/2	3/5	7/10	SPLICE NO. 2	4/5	9/10	℄ BRG. PIER #2	1/4	1/2	3/4	℄ BRG. SO. ABUT.
1	462.17	462.20	462.24	462.29	462.34	462.37	462.39	462.39	462.42	462.45	462.48	462.51	462.54	462.58	462.57	462.60	462.64	462.67	462.72	462.76	462.83
2	462.16	462.21	462.26	462.31	462.36	462.39	462.42	462.41	462.45	462.48	462.51	462.54	462.57	462.60	462.60	462.63	462.66	462.71	462.76	462.81	462.85
3	462.18	462.23	462.28	462.33	462.39	462.41	462.44	462.44	462.48	462.51	462.54	462.57	462.60	462.65	462.64	462.67	462.70	462.75	462.80	462.85	462.90
4	462.22	462.27	462.32	462.37	462.42	462.45	462.48	462.48	462.52	462.55	462.58	462.61	462.64	462.68	462.67	462.71	462.74	462.79	462.84	462.89	462.94
5	462.25	462.30	462.35	462.40	462.45	462.49	462.52	462.51	462.55	462.58	462.61	462.64	462.68	462.72	462.71	462.74	462.77	462.82	462.87	462.92	462.97
6	462.28	462.34	462.39	462.44	462.49	462.52	462.55	462.54	462.58	462.62	462.65	462.68	462.71	462.75	462.74	462.77	462.81	462.86	462.91	462.96	463.01
7	462.30	462.35	462.41	462.46	462.51	462.54	462.57	462.56	462.60	462.64	462.67	462.70	462.73	462.77	462.76	462.79	462.83	462.88	462.93	462.98	463.03
℄	462.30				462.51			462.56						462.77			462.82				463.02
8	462.29	462.36	462.40	462.45	462.50	462.53	462.56	462.55	462.59	462.62	462.66	462.69	462.72	462.76	462.75	462.78	462.82	462.87	462.92	462.97	463.02
9	462.22	462.27	462.32	462.37	462.42	462.45	462.48	462.48	462.52	462.55	462.58	462.61	462.64	462.68	462.68	462.71	462.74	462.79	462.84	462.89	462.94
10	462.12	462.18	462.23	462.28	462.33	462.36	462.39	462.38	462.42	462.46	462.49	462.52	462.55	462.59	462.58	462.61	462.65	462.70	462.75	462.80	462.85
11	462.03	462.08	462.13	462.19	462.24	462.27	462.30	462.29	462.33	462.36	462.40	462.43	462.46	462.50	462.49	462.52	462.55	462.61	462.66	462.71	462.76
12	461.94	461.99	462.04	462.09	462.14	462.17	462.20	462.20	462.24	462.27	462.30	462.33	462.36	462.41	462.39	462.43	462.46	462.51	462.56	462.61	462.67



PLAN- CONSTRUCTION JOINT SPACING FOR CURBS AND PARAPET



DETAIL OF JOINT IN PARAPET-TYPE HANDRAIL



DETAILS FOR MOUNTING LIGHT POLE ON PARAPET TYPE HANDRAIL

DESIGNED	W.B.S.
CHECKED	K.B.
DRAWN	H.J.K.
CHECKED	W.B.S.

Jan 25 1965
EXAMINED — ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — STATE HIGHWAY ENGINEER

MISCELLANEOUS DETAILS

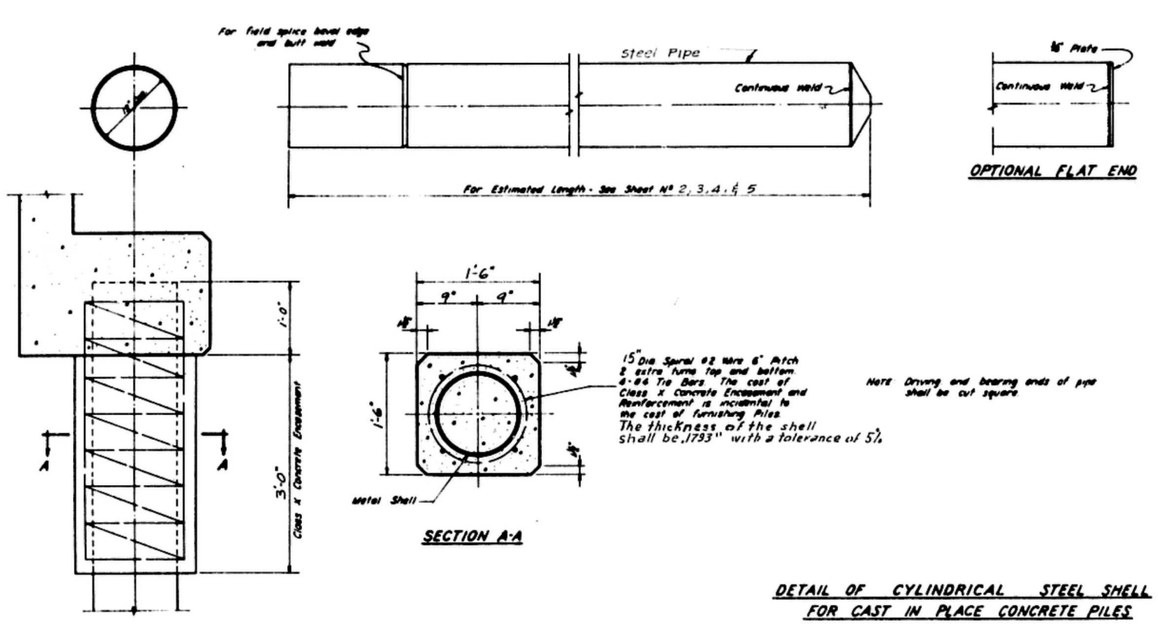
F.A. ROUTE 10 SECTION 13-HB-
F.A. ROUTE 10 SECTION 13-HF

F.A. ROUTE 10 OVER ROOSEVELT STREET
STATION 42 + 41.37
TAZEWELL COUNTY

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS · DECATUR, ILLINOIS

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

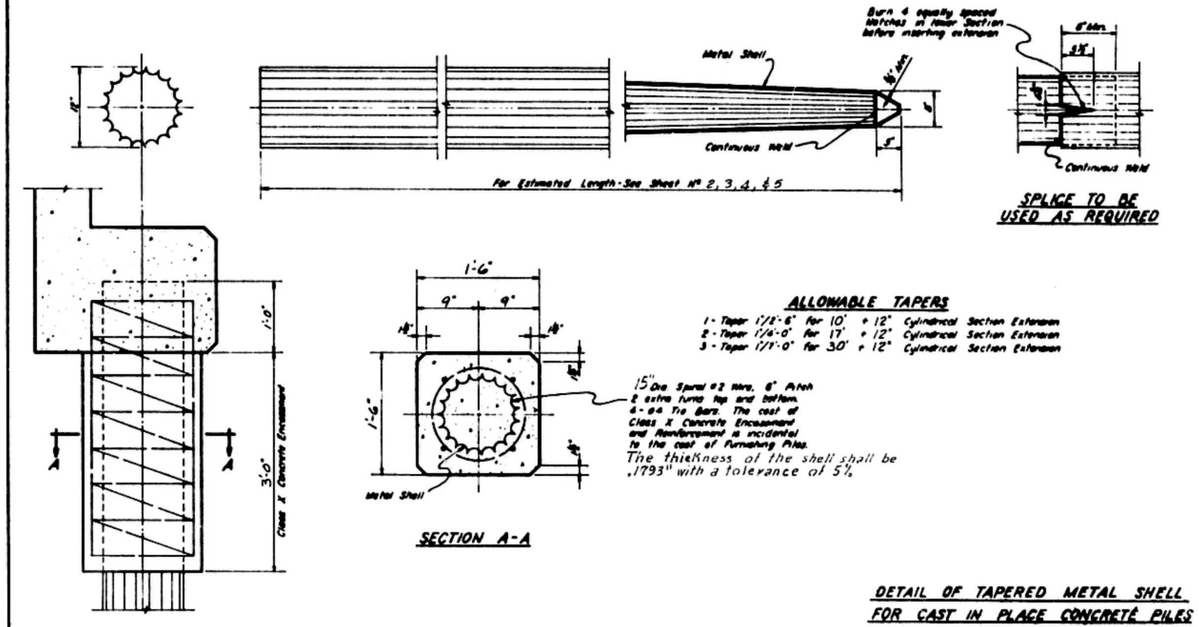
ROUTE No.	SEC.	COUNTY	SHEET NO.	SHEET NO.
F.A.10	13-HB	TAZEWELL	30	18
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		



OPTIONAL FLAT END

SECTION A-A

DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES



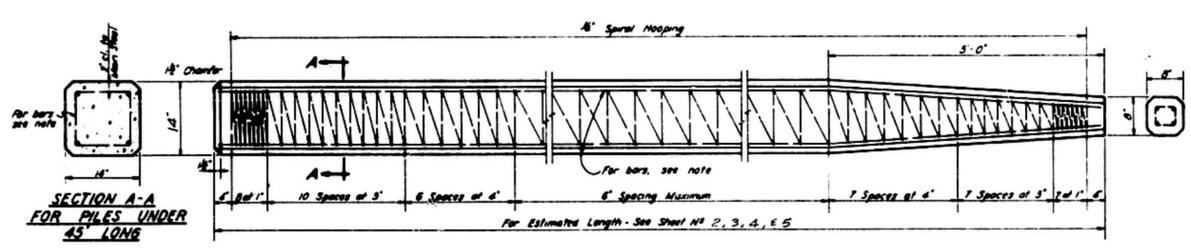
SPLICE TO BE USED AS REQUIRED

ALLOWABLE TAPERS

1 - Taper 1/2-6" for 10' + 12" Cylindrical Section Extension
2 - Taper 1/4-0" for 17' + 12" Cylindrical Section Extension
3 - Taper 1/1'-0" for 30' + 12" Cylindrical Section Extension

SECTION A-A

DETAIL OF TAPERED METAL SHELL FOR CAST IN PLACE CONCRETE PILES

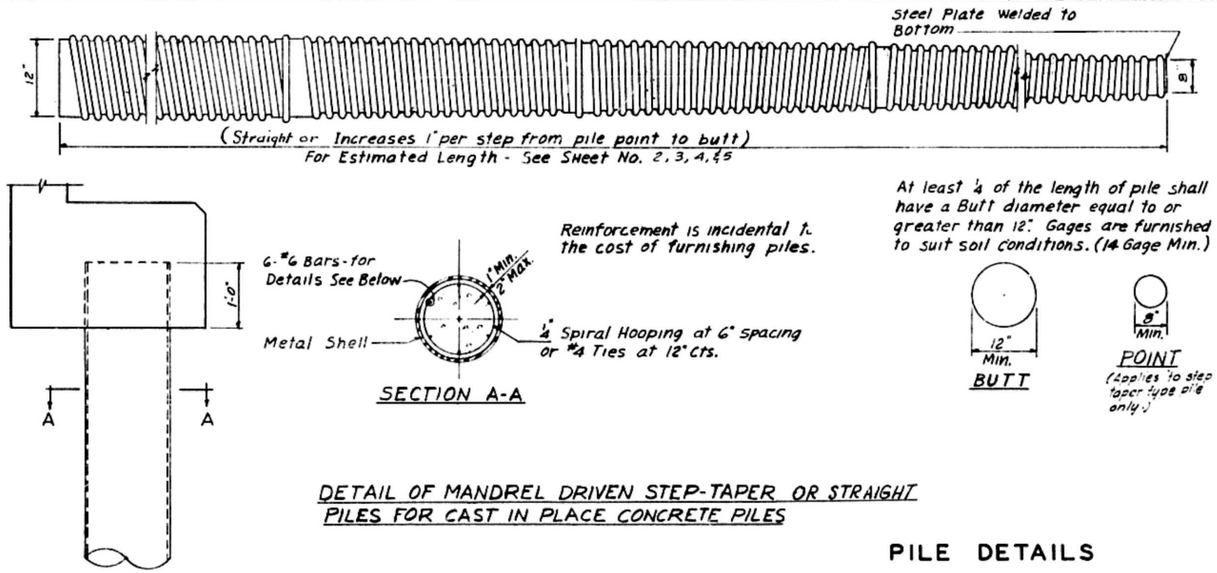


NOTE: For 14" Piles 45' long or more use 6-#8 bars - 4 for the full length and 2 to the point of bevel. For 14" Piles under 45'-0" long use 4-#9 bars the full length.

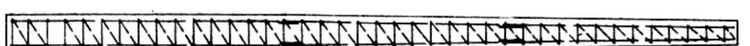
Handling: For Pile lengths up 45 Ft. use two slings placed at a distance of 0.21 L* from each end. For Piles longer than 45 Ft. use three slings placed at a distance of 0.18 L from each end and at mid-point of pile.

* L = Over all length of pile to be handled.

DETAIL OF PRECAST CONCRETE PILES



DETAIL OF MANDREL DRIVEN STEP-TAPER OR STRAIGHT PILES FOR CAST IN PLACE CONCRETE PILES



DESIGNED	HJK
CHECKED	PM
DRAWN	HJK
CHECKED	PM

Jan 25 1963

EXAMINED
PASSED
APPROVED

PILE DETAILS

F. A. ROUTE 10 SECTION 13 HB

F. A. ROUTE 10 OVER ROOSEVELT STREET
STATION 42 + 41.37
TAZEWELL COUNTY

WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

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

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A. 10	13-HB	TAZEWELL	30	19
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT	( )	

SH. 12 OF 12

TEST BORING NO. 1

20 FT. RT. STA. 41+30

ELEV.		N	q_u	REMARKS
450	GROUND SURFACE ELEVATION 443.7			
	*	6	-	MEDIUM
440	BROWN SILTY CLAY, MOIST	9	2.00	
		9	1.75	STIFF
	GROUND WATER ELEVATION 436.2			
	BROWN SILTY SAND, WET	4	-	LOOSE
	BROWN SANDY SILTY CLAY, WET	3	-	
430	GRAY SILTY CLAY, MOIST	3	1.25	SOFT
	GRAY CLAYEY SILT, TRACE SAND, MOIST	4	1.00	
		4	0.75	LOOSE
		6	-	
420	GRAY SILTY CLAY, TRACE ORGANIC, MOIST	4	-	MEDIUM
	GRAY SILTY CLAY, MOIST	4	-	
	GRAY CLAYEY SILT, MOIST	3	-	VERY LOOSE
		PUSHED		
410	GRAY SILTY CLAY, MOIST	1	-	VERY SOFT
	GRAY SAND, WET	18	-	
		21	-	
		23	-	MEDIUM
400	GRAY SILTY SAND, MOIST	22	-	
		40	-	DENSE
		43	-	
		40	-	
390	GRAY SANDY GRAVEL, WET	41	-	
		55	-	VERY DENSE
		58	-	
	**	100/5"		
380	END OF BORING ELEVATION 382.2			

* BROWN ORGANIC SILTY CLAY, DRY.
** GRAY SILTY CLAY, DRY.

TEST BORING NO. 2

20 FT. LT. STA. 41+70

	GROUND SURFACE ELEVATION 452.0	N	q_u	REMARKS
450	BROWN ORGANIC SILTY CLAY, DRY	6		MEDIUM
		8	2.92	
	BROWN SILTY CLAY, MOIST	9	2.54	STIFF
	BROWN SANDY SILTY CLAY, TRACE GRAVEL, WET	3	-	
440	BROWN SANDY SILTY CLAY, TRACE GRAVEL, WET	2	-	
	GROUND WATER ELEVATION 440.5	3	-	SOFT
	GRAY SILTY CLAY, TRACE SAND, MOIST	2	2.62	
		6	3.60	
	GRAY CLAYEY SILT, MOIST	5	.90	LOOSE
430		3	.75	SOFT
	GRAY SILTY CLAY, MOIST	4	1.35	MEDIUM
	GRAY SILTY CLAY, TRACE ORGANIC, MOIST	2	.50	
	GRAY SILTY CLAY, MOIST	2	-	SOFT
420		PUSHED		VERY SOFT
	GRAY SANDY SILTY CLAY, MOIST	20	-	VERY
		23	-	STIFF
	GRAY SAND, WET	29	-	MEDIUM
410		44	-	
		42	-	DENSE
		44	-	
		47	-	
	GRAY SANDY GRAVEL, WET	41	-	VERY
400		50	-	DENSE
		52	-	
		55	-	
390		53	-	
	END OF BORING ELEVATION 388.0			
380				

TEST BORING NO. 3

20 FT. RT. STA. 41+83

	GROUND SURFACE ELEVATION 443.1	N	q_u	REMARKS
450		12	-	
	BROWN ORGANIC SILTY CLAY, DRY	9	2.05	
440	BROWN SILTY CLAY, TRACE SAND & GRAVEL, MOIST	12	-	STIFF
	BROWN CLAYEY SILTY SAND, WET	6	-	LOOSE
	BROWN SILTY CLAY, MOIST	13	2.00	STIFF
	* GROUND WATER ELEVATION 431.1	5	-	LOOSE
430		10	-	
		12	-	STIFF
	GRAY SILTY CLAY, MOIST	1	0.25	VERY SOFT
420		3	1.00	SOFT
		6	1.25	
		6	1.25	MEDIUM
		6	1.75	
410		3	-	
	GRAY CLAYEY SILT, WET	6	-	SOFT
		5	-	
	GRAY CLAYEY SANDY SILT, WET	25	-	MEDIUM
400		46	-	
	**	45	-	DENSE
		47	-	
	GRAY SANDY GRAVEL, WET	45	-	
		42	-	
390		41	-	
		44	-	
		48	-	
		54	-	VERY DENSE
380	END OF BORING ELEVATION 379.1			

* BROWN SAND TRACE SILT & GRAVEL, WET.
** GRAY SAND, TRACE SILT, MOIST.

TEST BORING NO. 4

20 FT. LT. STA. 42+23

	GROUND SURVACE ELEVATION 443.8	N	q_u	REMARKS
450		15	-	
	BROWN ORGANIC SILTY CLAY, DRY	9	1.65	
440		12	1.25	STIFF
	BROWN AND GRAY SILTY CLAY, MOIST	13	0.60	
	GROUND WATER ELEVATION 430.8	12	-	
		5	-	LOOSE
430	BROWN GRAVELLY SAND, WET	8	-	MEDIUM
	GRAY SILTY CLAY, MOIST	13	-	
	GRAY CLAYEY SILT, MOIST	3	0.25	VERY LOOSE
420		2	0.30	
	GRAY SILTY CLAY, MOIST	4	0.50	
		6	0.60	
		5	1.00	MEDIUM
	GRAY SILTY CLAY, TRACE ORGANIC, MOIST			
410	GRAY SILTY CLAY, MOIST	4	-	
		7	-	
	GRAY SILT, TRACE CLAY, MOIST	6	-	LOOSE
		24	-	MEDIUM
	GRAY SAND, TRACE SILT, WET	39	-	
400		39	-	
		43	-	DENSE
		40	-	
	GRAY SANDY GRAVEL, WET	46	-	
390		47	-	
		46	-	
		68	-	VERY DENSE
380	END OF BORING ELEVATION 379.8			

TEST BORING NO. 5

20 FT. RT. STA. 42+63

ELEV.	GROUND SURFACE ELEVATION 443.8	N	q_u	REMARKS
450		18	-	
	BROWN ORGANIC SILTY CLAY, DRY	23	-	VERY STIFF
440		7	2.05	
	BROWN SILTY CLAY, MOIST	6	1.00	MEDIUM
		1	2.25	VERY SOFT
430		3	0.75	SOFT
	GROUND WATER ELEVATION 429.8	11	-	MEDIUM
	GRAY SILTY SAND, WET	15	-	STIFF
	GRAY SILTY CLAY, WET	3	-	
420	GRAY CLAYEY SILT, MOIST	3	-	SOFT
		2	0.50	
		2	0.30	
	GRAY SILTY CLAY, MOIST	6	-	
410		7	-	MEDIUM
		5	-	
		4	-	
	GRAY CLAYEY SILT, MOIST	5	-	LOOSE
400		9	-	
	GRAY SILTY CLAY, WET	43	-	HARD
	GRAY SANDY SILT, WET	48	-	DENSE
		61	-	
390		66	-	
	GRAY SANDY GRAVEL, WET	66	-	VERY DENSE
		71	-	
		46	-	DENSE
380		55	-	VERY DENSE

END OF BORING ELEVATION 379.8

TEST BORING NO. 6

20 FT. LT. STA. 43+03

ELEV.	GROUND SURFACE ELEVATION 443.8	N	q_u	REMARKS
450		13	-	STIFF
	BROWN ORGANIC SILTY CLAY, MOIST	24	3.00	VERY STIFF
440	BROWN SILTY CLAY, MOIST	16	2.75	
	BROWN CLAYEY SILTY SAND, WET	6	-	LOOSE
		2	2.50	
430	GROUND WATER ELEVATION 429.8 BROWN SILTY CLAY, MOIST	4	1.50	SOFT
	GRAY SILTY SAND, WET	12	-	
	GRAY CLAYEY SANDY SILT, MOIST	12	-	
		4	0.60	MEDIUM
420		2	0.50	
	GRAY SILTY CLAY, MOIST	3	0.35	SOFT
		4	1.00	
		5	0.75	
410	GRAY CLAYEY SILT, MOIST	6	-	LOOSE
		4	-	SOFT
		8	-	STIFF
	GRAY SILTY CLAY, MOIST	9	-	
400		36	-	HARD
		59	-	
		61	-	
		70	-	VERY
390	GRAY SANDY GRAVEL, WET	66	-	DENSE
		70	-	
		66	-	
		72	-	
380	END OF BORING ELEVATION 379.8	73	-	

TEST BORING NO. 7

20 FT. RT. STA. 43+16

	GROUND SURFACE ELEVATION 444.1	N	q_u	REMARKS
450		19	-	MEDIUM
	BROWN ORGANIC SILTY CLAY, MOIST	13	-	
440		13	2.26	STIFF
	BROWN SILTY CLAY, MOIST	16	0.50	VERY STIFF
	BROWN SANDY SILTY CLAY, WET	9	-	STIFF
	GROUND WATER ELEVATION 429.1	8	-	LOOSE
430		24	-	
	BROWN SAND, WET	19	-	MEDIUM
	GRAY SANDY CLAYEY SILT, WET	5	0.50	
	GRAY SILTY CLAY, MOIST	2	0.25	VERY SOFT
420	GRAY GRAVELLY SAND, WET	4	-	LOOSE
		5	-	
		11	-	STIFF
	GRAY SILTY CLAY, WET	4	-	SOFT
410		1	-	VERY SOFT
	GRAY CLAYEY SILT, MOIST	2	0.25	VERY LOOSE
	GRAY WILTY CLAY, WET	11	0.25	STIFF
		17	-	
400	GRAY SANDY SILTY CLAY, WET	25	-	VERY STIFF
		33	-	DENSE
		55	-	
		61	-	
	GRAY SAND, TRACE GRAVEL, WET	67	-	
390		65	-	VERY
	GRAY GRAVELLY SAND, WET	60	-	DENSE
380	END OF BORING ELEVATION 377.6	65	-	
		78		

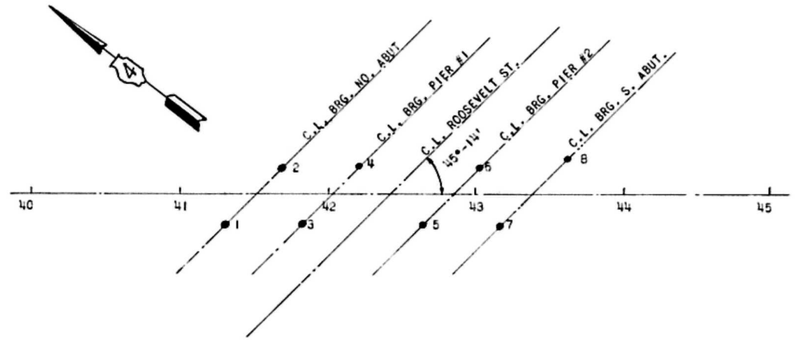
* BROWN ORGANIC GRAVELLY SAND, TRACE SILT AND CLAY, DRY.

TEST BORING NO. 8

25 FT. LT. STA. 43+61

	GROUND SURFACE ELEVATION 444.1	N	q_u	REMARKS
450		21	-	MEDIUM
	BROWN ORGANIC SILTY CLAY, MOIST	15	-	
440		11	2.26	
	BROWN SILTY CLAY, MOIST	12	1.55	STIFF
	BROWN SAND, TRACE SILT, WET	9	-	LOOSE
430		7	-	
	GROUND WATER ELEVATION 428.1 BROWN SILTY SAND, WET	24	-	
		20	-	MEDIUM
	GRAY CLAYEY SANDY SILT, WET	4	-	LOOSE
420		1	-	VERY
		3	-	LOOSE
	GRAY SAND TRACE SILT, WET	4	-	
		11	0.60	MEDIUM
410		6	0.50	LOOSE
		PUSHED	0.60	
	GRAY CLAYEY SILT, MOIST	2	0.68	VERY LOOSE
	GRAY SILTY CLAY, WET	11	-	STIFF
	GRAY CLAYEY SILTY SAND, WET	18	-	
400	GRAY SAND, WET	23	-	MEDIUM
	GRAY SILTY CLAY, TRACE SAND, WET	29	-	
		59	-	
	GRAY GRAVELLY SAND, WET	58	-	
390		60	-	VERY
		58	-	DENSE
		61	-	
		59	-	
380	END OF BORING ELEVATION 377.6	64	-	

* BROWN ORGANIC GRAVELLY SAND, TRACE SILT AND CLAY, DRY.



BORING PLAN

NOTES:

N = BLOWS PER FOOT OF PENETRATION OF SAMPLING SPOON. HAMMER WEIGHT = 140 LBS. DROP = 30 INCHES.

q_u = UNCONFINED COMPRESSIVE STRENGTH IN TONS PER SQUARE FOOT.

DESIGNED	H.E.K.
CHECKED	P.M
DRAWN	J.P.
CHECKED	P.M

EXAMINED _____ ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES

PASSED _____ ENGINEER OF DESIGN

APPROVED _____ CHIEF HIGHWAY ENGINEER

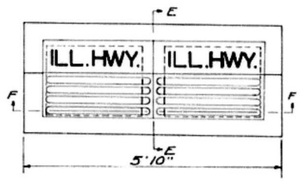
SOIL BORINGS

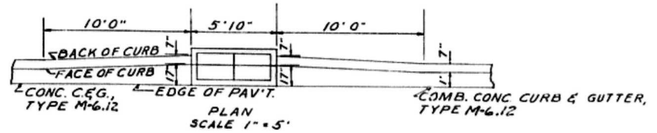
F.A. ROUTE 10 SECTION 13 HB

F.A. ROUTE 10 OVER ROOSEVELT STREET
STATION 42+41.37
TAZEWELL COUNTY

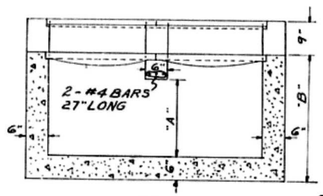
WARREN AND VAN PRAAG, INC.
CONSULTING ENGINEERS - DECATUR, ILLINOIS

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 10	13-HB	TAZEWELL	30	20
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		( )





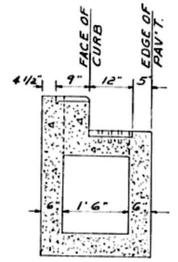
PLAN
SCALE 1"=5'



SEC. F-F.

OUTLET @ STA.	DIMENSION "A"	"B"
LT. 11+98	21"	34"
RT. 11+98	25"	38"

SCALE 1"=20"

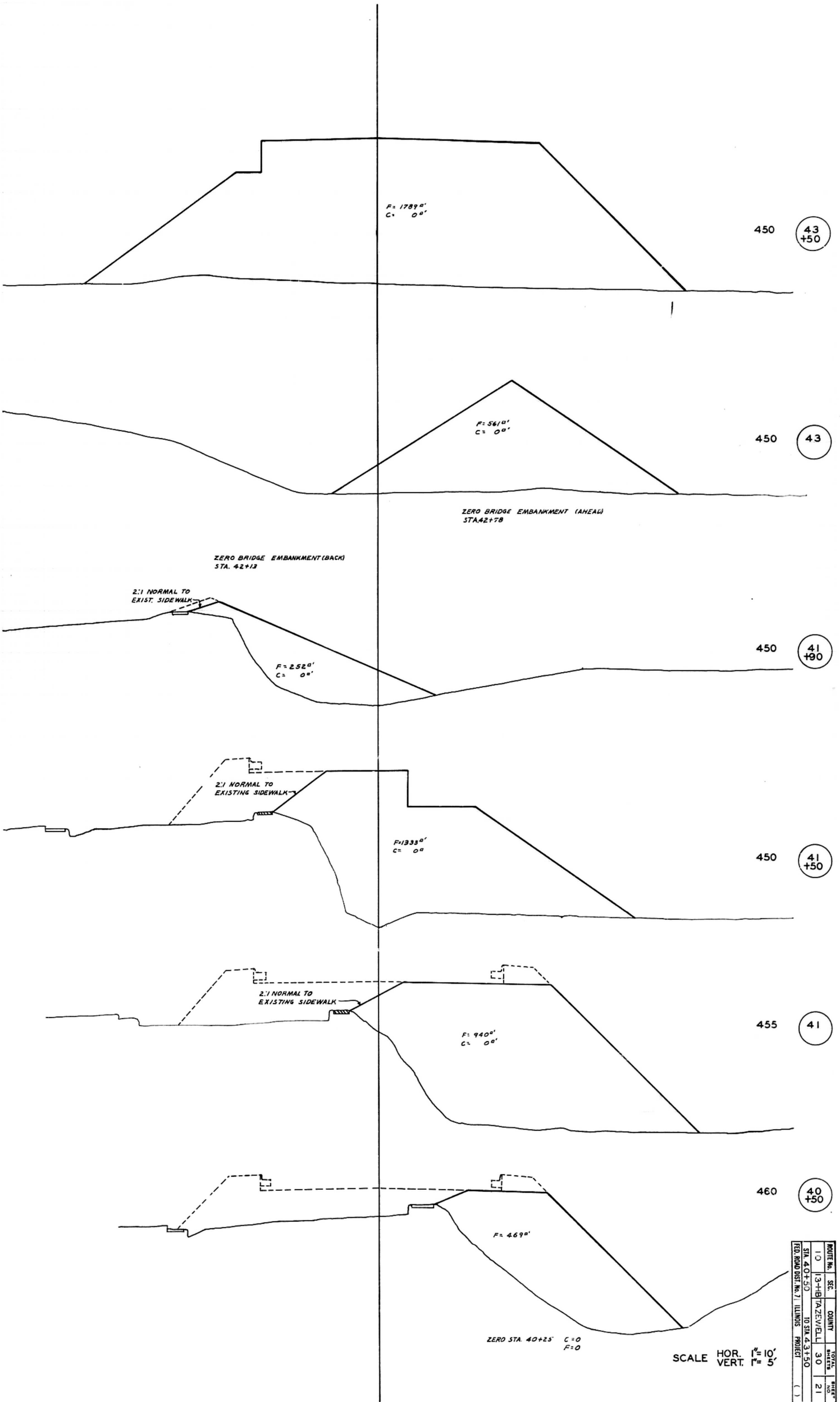


SEC. E.-E.

ALL SPECIFICATIONS OF STD. 1796T APPLY TO THIS OUTLET EXCEPT AS NOTED.

CLASS X CONC. OUTLETS	CU. YDS	2.3
REINFORCEMENT BARS	LBS.	10

SPECIAL OUTLET DETAIL
SCALE: AS NOTED



SCALE HOR. 1"= 10'
VERT. 1"= 5'

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
10	13-HB	TAZEWELL	30	21

STA. 40+50 TO STA. 43+50

FED. ROAD DIST. No. 7 | ILLINOIS | PROJECT ( )

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
10	13-HB	TAZEWELL	30	22
STA. 44+00		TO STA. 46+00		
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		( )

SCALE. HOR. 1"= 10'
VERT. 1"= 5'

46 — 450

45 — 455

44 — 460

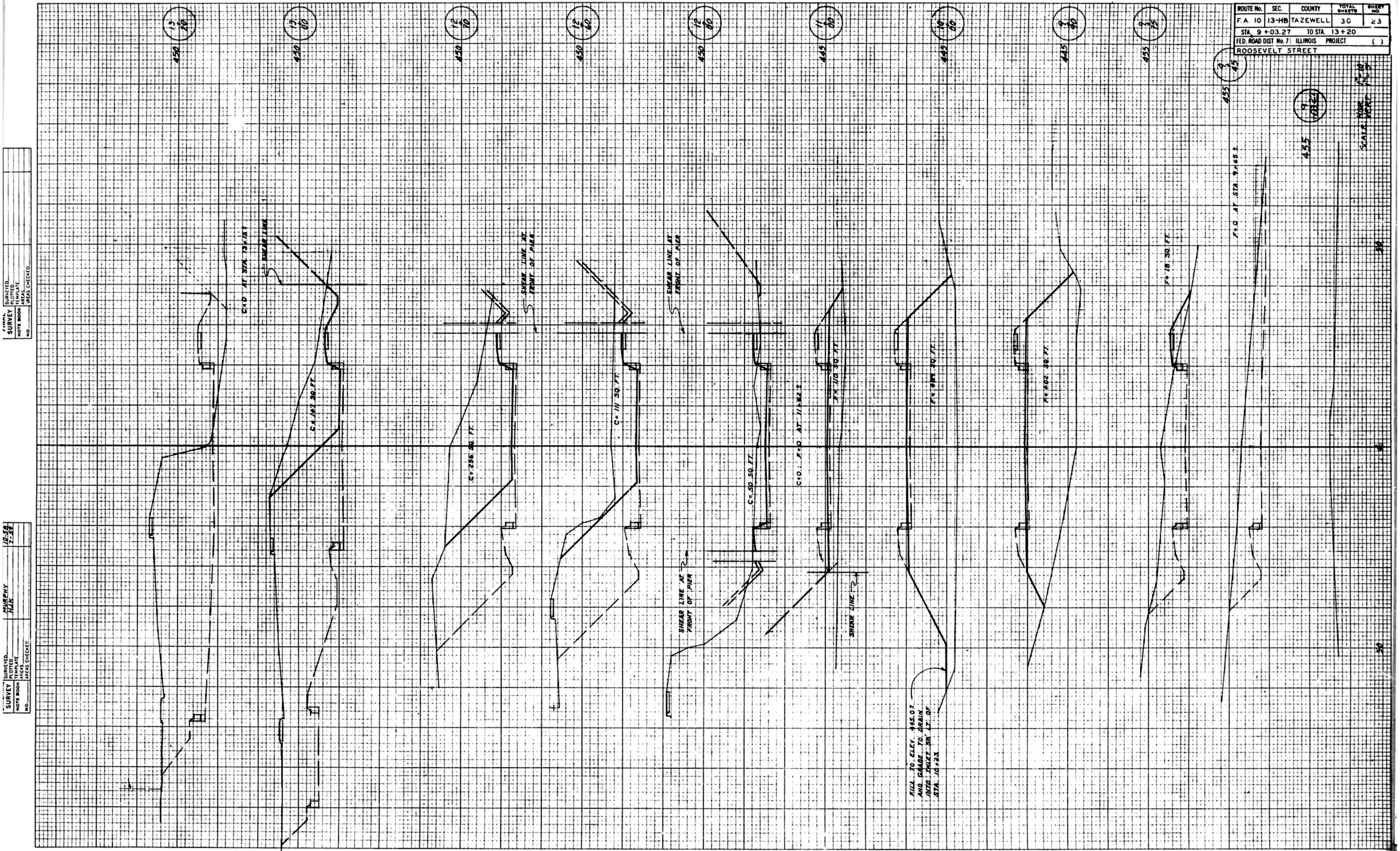
ZERO STA. 46+46 C=0 F=0

F= 116'
C= 04'

F= 1098'
C= 00'

F= 2231'
C= 0°

ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 10	13-HB	TAZEWELL	30	23
STA. 9 + 03.27 TO STA. 13 + 20				
FED. ROAD DIST No. 7 ILLINOIS PROJECT ( )				
ROOSEVELT STREET				



ROUTE No.	SEC.	COUNTY	TOTAL SHEETS	SHEET No.
F.A. 10	13-HB	TAZEWELL	30	24
STA. 87+71		TO STA. 88+00		
FED. ROAD DIST. No. 7	ILLINOIS	PROJECT		( )

ZERO CUT AT STA. 5+55±
(USE 1½±:1 BACKSLOPE)

C = 6777 SQ. FT.

THIS PORTION REMOVED BY OTHERS

℄
STA. 6+36 PROSPECT AVE.

500
496.93

88

C = 3909 SQ. FT.

THIS PORTION REMOVED BY OTHERS

℄
STA. 6+78 PROSPECT AVE.

500
498.09

87+71

ZERO CUT AT STA. 7+14

℄
RAMPS "A" & "B"

300 250 200 150 100 50

SCALES H-1"=10'
V-1"=10'