24-80

LIMITED ACCESS HIGHWAY By resolution of Highway Commission dated May 31, 1972 June 17, 1971

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HIGHWAYS AND TRANSPORTATION
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY
CITY OF ROANOKE
FROM: 0.141 MI. N. RTE. 220 (FRANKLIN RD.)
TO: 0.230 MI. S. INT. RTE. 419

Southwest Expressway (Roy L. Webber Expressway)

INDEX OF SHEETS

SHEET NO.		TITLE SHEET
" " 1	1A THRU 1M	LOCATION SHEET & INTERCHANGE LAYOUT SHEETS, RAMP GORES
" " 2	2L	TYPICAL SECTIONS, SUMMARY SHEETS, DETAILS
" " 3	3A	PLAN & PROFILE — STA. 395+00 TO 401+00
" " 4	4A	" " " — 401+00 " 409+00
4B		PROFILE RAMP CC
4C		RAMP DD & FRANKLIN RD.
4D		PLAN FRANKLIN RD.
" " 5	5A	PLAN & PROFILE — 409+00 " 417+00
" " 6	6A	" " " — 417+00 " 425+00
" " 7	7A	" " " — 425+00 " 433+00
" " 7B	7D	" " " BRANDON AVE. & COLONIAL AVE.
" " 8	8A	" " " — 433+00 " 441+00
8B		PLAN RAMP B
" " 9	9B	PLAN & PROFILE — 441+00 " 449+00
" " 9C	& 9D	PLAN RELOC. 23RD ST., RAMPS A, C, D & E
9E		PROFILE RELOC. 23 RD ST., CONN. A
" " 10 THRU	10A	PLAN & PROFILE — 449+00 " 457+00
" " 10B	10C	PLAN RAMP C, RELOC. 23 RD. ST., CONN. A
" " 11	11A	PLAN & PROFILE — 457+00 " 465+00
" " 12	12A	" " " — 465+00 " 469+00
" " 13	13A	" " " — 469+00 " 485+00
" " 14	14A	PLAN & PROFILE — 485+00 " 500+00
" " 15	15A	" " " — 501+00 " 517+00
" " 16	16A	" " " — 517+00 " 533+00
" " 17	17B	" " " — 533+00 " 549+00
17C		PLAN EXIST. RTE. 220 & PROP. RTE. 419
17D		PLAN EXIST. RTE. 419
" " 18	18B	PLAN & PROFILE — 549+00 " 556+91.95
" " 19	25	PROFILE RAMPS A THRU L, CONN. RDS.
" " 26(1)	26(4)	RTE. 220 OVER N&W RAILROAD (NEAR BROADWAY) B-606 PL. AN NO. 256-64
" " 27	27-71	RTE. 220 OVER N&W RAILROAD AND ROANOKE RIVER B-607 PLAN NO. 253-40
" " 28	28-36	BRANDON AVE. OVER RTE. 220 B-608 PLAN NO. 252-81
" " 29	29-35	RTE. 220 OVER 23 RD ST. B-609 PLAN NO. 252-86
" " 30	30-34	23 RD ST. EXTENSION OVER N&W RAILROAD B-610 PLAN NO. 252-40
" " 31	31-27	SBL RTE. 220 OVER FRANKLIN RD. B-612 PLAN NO. 251-84
" " 32-1	32-23	SBL RTE. 220 OVER RTE. 419 B-601 PLAN NO 255-72
" " 33-1	33-23	NBL RTE. 220 OVER RTE. 419 B-602 PLAN NO. 255-73
" " 34-1	34-27	SIGN PLANS (PROJ. 6220-128-105, P-401)

STA. LIMITS - FROM: 475+00.01 TO: 551+99.59
SEQUENCE NOS. - FROM: 1011 TO 1127
EARTHWORK (List No. 8) 10 SHEETS
ROADWAY DESIGN (List No.) 43 SHEETS
EARTHWORK COMPUTATION JOB NO. 640
CROSS SECTIONS 92 SHEETS
BOX CULVERT STANDARDS BC-2A, BC-2B, BC-3A, BC-4A, BC-5, BC-W, C-21A
COMPUTER PLOTTER CROSS SECTIONS C-1 thru C-23 (23 SHEETS)

Proj. 6220-128-105, B-607
1, 2C-5, 5, 5A, 6 and 6A

Proj. 6220-128-105, B-609, B-612
1, 2C-5, 4, 4A, 9, 9A and 9B

Proj. 6220-128-105, P-401
Sheet Nos: 1, 1A, 1B, 1C, 1E, 1F, 1G, 1H, 1I, 2, 2A-1, 2A-2, 2A-5, 2A-6, 2A-9, 2B, 2C-8, 2C-9, 2C-10, 2C-11, 2D thru 2D-8, 2E-5 thru 2E-10, 3, 3A, 4, 4A, 4B, 4C, 4D, 4E, 5, 5A, 6, 6A, 7, 7A, 8, 8A, 8B, 8C, 9, 9A, 9B, 9C, 9D, 9E, 10, 10A, 10B, 19, 34-1 thru 34-27
See index on sheet 1 of Cross Sections

Proj. 6220-128-105, G-302
Proj. 6220-080-104, G-301
Sheet Nos: 1, 1A, 1B, 1C, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 2A-2, 2A-4, 2A-10, 2A-11, 2A-12, 2A-13, 2B-1 thru 2H-11, 2C-12 thru 2C-17, 2I, 2J-1 thru 2J-9, 2K-1 thru 2K-16, 2L, 9D, 10, 10A, 11, 11A, 12, 12A, 13, 13A, 14, 14A, 15, 15A, 16, 16A, 17, 17A, 17B, 17C, 17D, 18, 18A, 19, 19A, 22, 24, 25, 26 thru 26-34, 26-41 thru 33-23
COMPUTER CROSS SECTIONS C-1 thru C-23
(See index on sheet 1 of Cross Sections)
BC-2A, BC-2B, BC-3A, BC-4A, BC-5, BC-W, C-21A

Proj. 6220-128-105, B-606
1, 1A, 2A-10, 2C-17, 2C-18, 2C-19
11, 11A, 12, 12A, 2G (1) thru 2G (14)
X-Sect: 24 thru 28, 28A, 29, 29A

PROJ. 6220-128-105 P-402
PROJ. 6220-080-104, P-401
1, 1A, 1A-1, 1C, 1D, 1E, 1I, 1L, 2, 2A-14, 2A-15, 2B-8, 2B-12, 2C-20 thru 2C-22, 3, 3A, 4, 4A, 4B, 5, 5A, 8, 8B, 9D, 10, 10A, 10C, 11, 11A, 12, 12A, 13, 13A, 14, 14A, 15, 15A, 16, 16A, 17, 17A, 17C, 18, 18A, 20, 21, 22
See Index on Sheet 1 of Cross Section

Proj. 6220-128-105, B-604
1, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 1J, 1K, 1L, 1M, 2, 2A-1, 2A-2, 2A-3, 2A-4, 2A-5, 2A-6, 2A-7, 2A-8, 2A-9, 2B, 2C-8, 2C-9, 2C-10, 2C-11, 2D thru 2D-8, 2E-5 thru 2E-10, 3, 3A, 4, 4A, 4B, 4C, 4D, 4E, 5, 5A, 6, 6A, 7, 7A, 8, 8A, 8B, 8C, 9, 9A, 9B, 9C, 9D, 9E, 10, 10A, 10B, 19, 34-1 thru 34-27
See index on sheet 1 of Cross Sections

Proj. 6220-128-105, RW-201
Sheet Nos. Plans: 1, 1A, 1B, 1C, 1E, 1F, 1G, 2, 2A-1, 2A-2, 2A-3, 2A-4, 2A-5, 2A-6, 3, 3A, 4, 4A, 4D, 4E, 5, 5A, 6, 6A, 7, 7A, 7B, 7C, 7D, 8, 8A, 8B, 8C, 9, 9A, 9B, 9C, 9D, 9E, 10, 10A, 10B, 10C, 11, 11A, 12, 12A, 13, 13A, 14, 14A, 19, 20
Cross sections: 1-1C, 2, 81, 97-152

Proj. 6220-128-105, G-301, C-503
Sheet Nos. Plans 1, 1A, 1B, 1C, 1E, 1F, 1G, 1H, 1I, 2, 2A-1, 2A-2, 2A-4 thru 2A-9, 2B, 2C thru 2C-7, 2D thru 2D-5, 2E thru 2E-4, 2F thru 2F-3, 2G thru 2G-8, 2H thru 2H-4, 3, 3A, 4 thru 4E, 5, 5A, 6, 6A, 7 thru 7D, 8 thru 8C, 9 thru 9E, 10 thru 10C, 19, 20, 25 thru 28-36, 30 thru 30-34
Cross Sections: See index on Sheet 1 of Cross Sections
Box Culvert Std. BC-3B & BC-W

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT.

(6220-128-105, G-301, P-401, C-503)
THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE VIRGINIA DEPARTMENT OF HIGHWAY ROAD AND BRIDGE SPECIFICATIONS DATED* JULY 1, 1974 AND ROAD DESIGNS AND STANDARDS DATED* JAN. 1, 1975 AS AMENDED BY CONTRACT PROVISIONS AND THESE PLANS.

ALL CURVES ARE TO BE SUPERELEVATED FOR L_E SHOWN IN ACCORDANCE WITH ST'D. TC-2 UNLESS OTHERWISE NOTED ON PLANS, WITH NO TRANSITIONED CENTERLINE.

* PROJECT 6220-128-105, G-302, B-606, P-402
6220-080-104, G-301, B-601, P-401
B-602, D-605, D-606, D-607, D-608
Shall conform to 1978 Specifications and the 1978 Standards.

CONVENTIONAL SIGNS

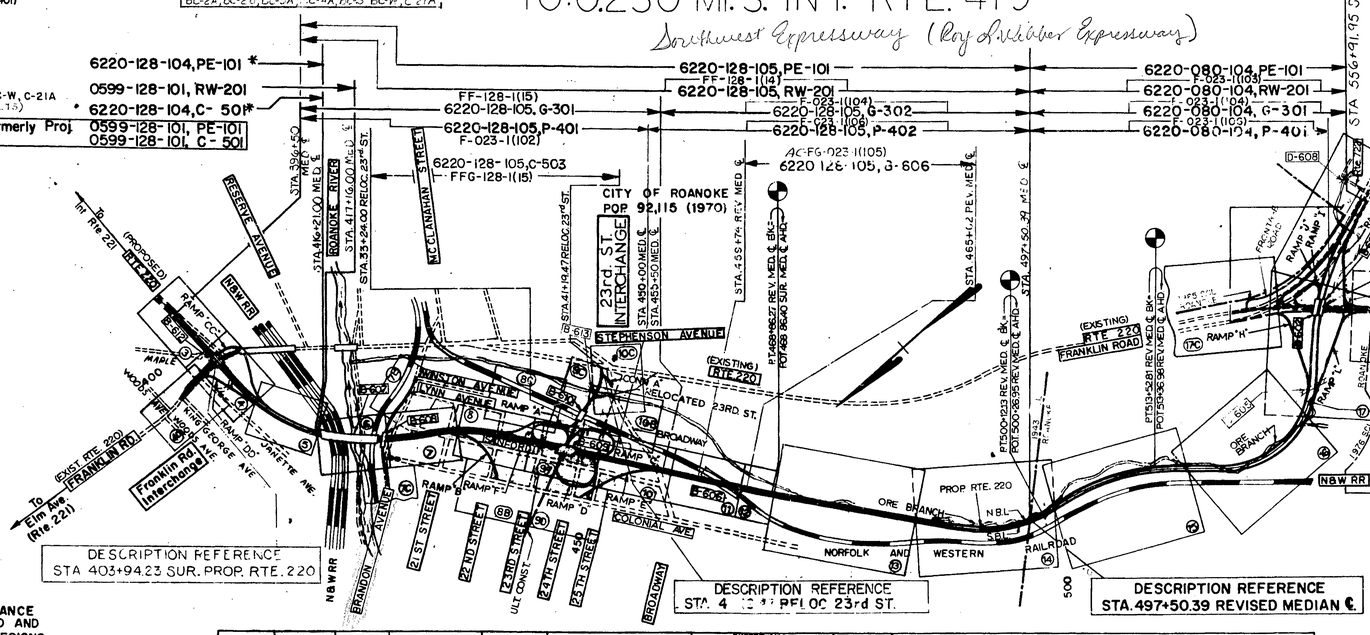
STATE LINE
COUNTY LINE
CITY, TOWN OR VILLAGE
RIGHT OF WAY LINE
FENCE LINE
UNFENCED PROPERTY LINE
FENCED PROPERTY LINE
TRAVELED WAY
GUARD RAIL
RETAINING WALL
RAILROADS
BASE OR SURVEY LINE
LEVEE OR EMBANKMENT
BRIDGES
CULVERTS
DROP INLET
TROLLEY POLES
POWER POLES
TELEPHONE OR TELEGRAPH POLES
MARSH
HEDGE
WOODS
GROUND ELEVATION
GRADE ELEVATION
POLES WITHIN CONSTRUCTION LIMITS

Length based on Rev. Sta. (6+29.50 to 5+53.50) and SBL (Sta. 535+47.99 to Sta. 556+91.95) New Length

SUPERVISED BY L.G. GUILL
DESIGNED BY R.B. PAYNE

REVISED BY

ADVANCE PLANS | DIST. ENGR. COMPLETED PLANS FOR UTILITIES | ADVANCE PLANS | RES. ENGR. COMPLETED PLANS | CONST. ENGR.



STATE PROJ. NOS.	EXCEPTIONS FEET	SECTION	FEDERAL AID PROJECT NOS.	EQUALITIES FEET	LENGTH INCL. BR. & BOX CULVERTS FEET	LENGTH INCL. BR. & BOX CULVERTS MILES	EXCEPTIONS LENGTH EXCL. BR. & BOX CULVERTS FEET	EXCEPTIONS LENGTH EXCL. BR. & BOX CULVERTS MILES*	TYPE PROJECT	DESCRIPTION
6220-128-105		PE-101	—	-0.13	10,100.26	1.913			Prel. Engr.	Fr: 0.141 Mi. N. Rte. 220 (Franklin Rd) —
		RW-201	FF-128-1(14)	-0.13	10,100.26	1.913			Right of Way	Fr: 0.141 Mi. N. Rte. 220 (Franklin Rd) —
	1050.00	G-301	FF-128-1(15)		5900.00	1.117	3967.00	0.751	Grading	Fr: 0.141 Mi. N. Rte. 220 (Franklin Rd) —
	CONTRACT	C-503	FFG-128-1(15)		795.47	0.151	647.47	0.123	Const.	Fr: 0.147 Mi. W. Int. Rte. 220 (Franklin Rd) — To: Int. Rte. 220 (Franklin Rd)
	NO.	P-401	F-023-1(102)	—	5350.00	1.013	4267.00	0.808	Paving	Fr: 0.141 Mi. N. Rte. 220 (Franklin Rd) —
		B-607	RFG-128-1(14)		702.50	0.133			Bridge	Rte 220 over N&W Railroad and Roanoke River
		B-608	FF-128-1(15)		190.41	0.036			Bridge	Brandon Ave. over Rte 220
		B-609	RF-128-1(19)		180.00	0.034			Bridge	Rte 220 over Reloc. 23rd St.
		B-610	FFG-128-1(15)		148.00	0.028			Bridge	Reloc. 23rd St. Extension over N&W Railroad
		B-612	RF-128-1(19)		200.50	0.038			Bridge	SBL Rte. 220 over Franklin Road
		B-613	FF-128-1(15)		27.12	0.005			Box Culvert	Triple 8'×8' Sta. 31+85 Reloc. 23rd St.
	(1)	P-402	F-023-1(106)	-0.13	4750.26	0.900			Paving	[illegible]
		G-302	F-023-1(104)	-0.13	4200.26	0.796			Grading	Fr: 0.146 Mi. N. [illegible]
		B-606	AC-FG-023-1(105)		588.00	0.111				
6220-080-104		PE-101	—	-96.98	5,844.58	1.107			Prel. Engr.	
		RW-201	F-023-1(103)	-96.98	5,844.58	1.107			Right of Way	From: [illegible] To: 0.230 Mi. S. Int. Rte. 419
		G-301	F-023-1(104)	-96.98	5,844.58	1.107			Grading	
		B-601	F-023-1(104)	—	[illegible]	0.027			Bridge	SBL Rte. 220 over Rte. 419
		B-602	F-023-1(104)		[illegible]	[illegible]			Bridge	NBL Rte. 220 over Rte. 419
		D-605	[illegible]		[illegible]	[illegible]			Box Culvert	Double 10'×12' Sta. 537+50 N.B.L.
		D-606	[illegible]		[illegible]	[illegible]			Box Culvert	Triple Sta. 554+ B.L.
		[illegible]	[illegible]	[illegible]	252.63	0.795			[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]
		D-608	F-023-1(104)		[illegible]	[illegible]			Box Culvert	[illegible]

PLANS REVISED			
SHEET NO.	DATE	SHEET NO.	DATE
Plans: 2A-4, 2A-8, 2C-3, 2C-4, 2C-6, 2C-7, 2H, 2H-4	11-24-75	1, 1B	9-12-77
2C1, 2C-2, 2C-5, 2C-7, 8B & 9C	12-17-75	[illegible]	3-21-75
2G, 2G-1, 2G-2, 2G-3 & 2G-4	12-17-75	[illegible]	[illegible]
2C-4 & 2C-6	12-17-75	[illegible]	[illegible]
2H	12-23-75	[illegible]	[illegible]
Plans: 1, 1G, 1B, 1BA X-Sects: 50 thru 58, 65 thru 67, 71 thru 78, 82A	1-21-76	[illegible]	[illegible]
2G, 2G-1, 2G-1A, 2G-2, 2G-3	2-17-76	[illegible]	[illegible]
12	2-25-76	[illegible]	[illegible]
1, 1B	3-25-76	[illegible]	[illegible]
1, 2F, 2F-1, 2F-2, & 2F-3	4-20-76	[illegible]	[illegible]
Plans: 1, 1E, 2A-5, 2A-6, 2C-5, 4, 4A, 4B, 4C, 4D, 4E X-Sects: 1, 97 thru 103	4-26-76	[illegible]	[illegible]
1, 5, 5, Add. G-1	5-10-76	[illegible]	[illegible]
1, 2C-5, 6, 6-1, 7, 7B	5-28-76	[illegible]	[illegible]
1, 2C-5	2-16-77	Plans: 1, 9D, 10	4-24-61
1, 1-4	3-14-77	Plans: 1, 1A-1, 7	6-4-81
1, 6, 6-1	3-22-77		

FHWA REG. NO	STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.	TOTAL SHEETS
3	VA.		F-023-1(*	220	6220-128-105 * 6220-080-104	1	

* See Tabulation Below For Section Numbers

Formerly Project 0599-128-102, PE-101; RW-201; C-501
0599-080-102, PE-101; RW-201; C-501

DESIGN CLASSIFICATION ARTERIAL-DIVIDED-ROLLING		
	Fr: 0.141 Mi. S. Rte. 220 To: 23 RD Street	Fr: 23 RD Street To: Rte. 419
ADT (1975)	38,300	28,400
ADT (1996)	84,100	62,300
DHV	8,400	6,200
D	53 %	53 %
T	9 %	9 %
V	60 MPH	60 MPH

PLANS REVISED			
SHEET NO.	DATE	SHEET NO.	DATE
15	3-7-75	Plans: 17, 17A, 17C, 17-1, 18, [illegible], 22	3-11-75
4	3-11-75	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]

PLANS REVISED			
SHEET NO.	DATE	SHEET NO.	DATE
9C, 10C	1-18-74	[illegible]	[illegible]
Plans @ 7, 7B X-sects 123-129	3-1-74	[illegible]	[illegible]
Plans: 11, 12 X-sects 26	5-7-74	[illegible]	[illegible]
Plans 7, 7B X-sects 129 P.L.	5-30-74	[illegible]	9-20-74
		X-sects 11 thru 22	
		Plans 2A-4, 15, 16 & 17 X-Sects: 51 thru 57	10-4-74

SCALE 1" = 800'
0 800' 1600'

PLANS REVISED			
SHEET NO.	DATE	SHEET NO.	DATE
Plans: 2A-4, 16, 17, 17A, 17D X-Sects: 1, 53-61, 65-67, 70-74, 75 & 8	12-16-71	Plans: 1A, 2A, 12A, 17, 17A, 17D, 18, 18A, 19, 19A, 2A-2, 2A-3, 2A-4, 2A-5, 2A-6, 2A-7, 2A-8, 2A-9, 2A-10, 2A-11, 2A-12, 2A-13, 2A-14, 2A-15, 2A-16, 2A-17, 2A-18, 2A-19, 2A-20, 2A-21, 2A-22, 2A-23, 2A-24, 2A-25, 2A-26, 2A-27, 2A-28, 2A-29, 2A-30, 2A-31, 2A-32, 2A-33, 2A-34, 2A-35, 2A-36, 2A-37, 2A-38, 2A-39, 2A-40, 2A-41, 2A-42, 2A-43, 2A-44, 2A-45, 2A-46, 2A-47, 2A-48, 2A-49, 2A-50, 2A-51, 2A-52, 2A-53, 2A-54, 2A-55, 2A-56, 2A-57, 2A-58, 2A-59, 2A-60, 2A-61, 2A-62, 2A-63, 2A-64, 2A-65, 2A-66, 2A-67, 2A-68, 2A-69, 2A-70, 2A-71, 2A-72, 2A-73, 2A-74, 2A-75, 2A-76, 2A-77, 2A-78, 2A-79, 2A-80, 2A-81, 2A-82, 2A-83, 2A-84, 2A-85, 2A-86, 2A-87, 2A-88, 2A-89, 2A-90, 2A-91, 2A-92, 2A-93, 2A-94, 2A-95, 2A-96, 2A-97, 2A-98, 2A-99, 2A-100, 2A-101, 2A-102, 2A-103, 2A-104, 2A-105, 2A-106, 2A-107, 2A-108, 2A-109, 2A-110, 2A-111, 2A-112, 2A-113, 2A-114, 2A-115, 2A-116, 2A-117, 2A-118, 2A-119, 2A-120, 2A-121, 2A-122, 2A-123, 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