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FINAL

TOTAL SHEETS

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INDEX OF SHEETS

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STATE OF TEXAS
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATIONPLANS OF PROPOSED
STATE HIGHWAY IMPROVEMENT

FEDERAL AID PROJECT

ACI 20-5(87)454, ACI 35E-6(223)426 & ACI 635-6(224)435
IH-20 IH-35E IH-635
DALLAS COUNTYIH-20 IH-35E IH-635
FROM: TARRANT CO. LINE MARSALIS AVE SEAGOVILLE RD
TO : SEAGOVILLE RD. N. OF WHITLOCK LN. JCT 35E
LENGHT: 383,597.01 FT. = 72.460 MI.

MODIFICATION OF SIGNING

FINAL PLANS
LETTING DATE 10-26-79
WORK BEGAN 4-28-80
DATE COMPLETED 9-06-80
DATE ACCEPTED 9-10-80

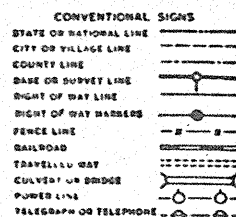
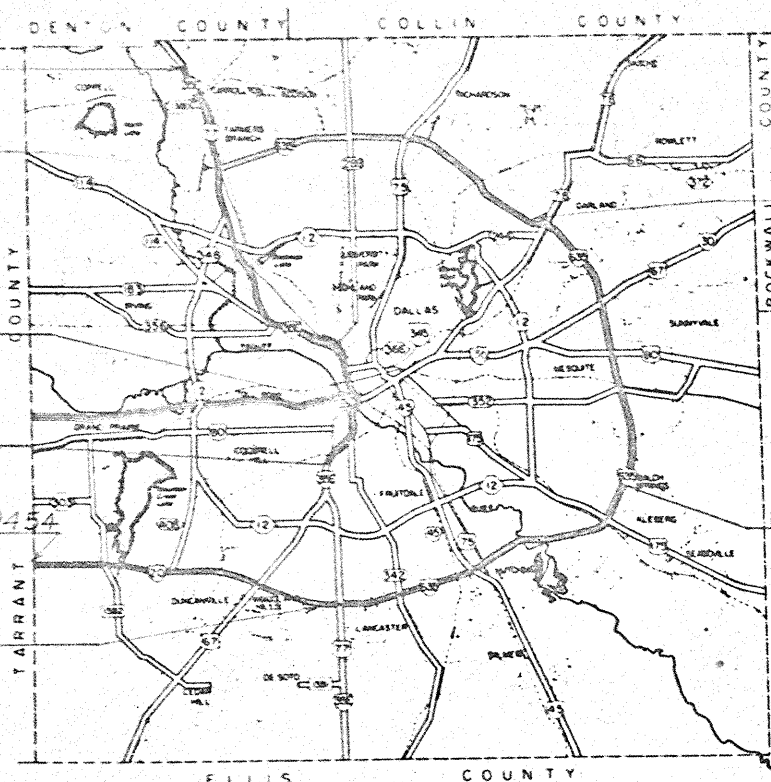
IPE 750 23

STATE	FEDERAL AID PROJECT NO.	STATE
TEXAS	ACI 35E-6(223)426	1
STATE	COUNTY	STATE
18	DALLAS	196-3-126
		442-2-70
		2374-1-23
		2374-2-36
		2374-3-26
		2374-4-8

NOTES:
THE CONTRACTOR SHALL PROVIDE
AND ERECT BARRICADES AND
WARNING SIGNS IN ACCORDANCE
WITH BC(1) THRU BC(6) 79 AT
POINTS INDICATED AND AT
OTHER POINTS AS DIRECTED
BY THE ENGINEER.

CONTROL	SEC	FEET	MILES
196	3	92,665.80	17.550
442	2	9,146.00	1.732
2374	1	77,076.15	14.598
2374	2	68,123.85	12.902
2374	3	70,426.10	13.338
2374	4	65,158.49	12.340

BK. STA	FWD. STA	NET FT.	CONT.	SEC
482+00.00	= 463+14.52	- 112.52	196	3
731+40.02	= 595+65.55	+ 13,545.39	196	3
460+33.64	= 460+44.02	- 10.18	2374	1
1354+29.39	= 1354+30.64	- 1.25	2374	2
693+86.24	= 1545+64.54	+ 85,178.30	2374	3
643+02.01	= 65+44.00	+ 57,758.01	2374	4
327+65.22	= 527+64.74	+ 0.48	2374	4

SPECIFICATIONS ADOPTED BY THE STATE HIGHWAY DEPART-
MENT OF TEXAS JANUARY 3, 1972 AND SPECIFICATION ITEMS
LISTED AND DATED AS FOLLOWS SHALL GOVERN ON THIS
PROJECT. REQUIRED CONTRACT PROVISIONS - FEDERAL AID
CONSTRUCTION CONTRACTS (FORM PA-273 SEPTEMBER 1975)BEGIN CONTROL 2374-1-
END CONTROL 2374-2
STA 779+99.58STA 1461+24.68
BEGIN CONTROL 2374-2-
END PROJECT 120-5(87)454
END CONTROL 2374-3-STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

CORRECT 30 July 1979

W. D. G. [Signature]
SUPERV. DESIGN ENGINEER

CORRECT 30 July 1979

[Signature]
DISTRICT ADM. ENGINEER

CORRECT 30 July 1979

[Signature]
SUPERV. RESIDENT ENGINEER

RECOMMENDED FOR APPROVAL 30 July 1979

[Signature]
DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL

APPROVED

APPROVED FOR LETTING Aug 15 1979

[Signature]
CHIEF ENGINEER OF MAINTENANCE OPERATIONSU.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

ESTIMATE SUMMARY

ACT 35E-6(223)426		ACT 35F-6(223)426		ACT 435F-6(224)435		ACT 635E-6(224)435		ACT 70-5(R7)454		ALT	ITEM-CODE			DESCRIPTION	UNIT	TOTAL	
MODIFICATION OF		MODIFICATION OF		MODIFICATION OF		MODIFICATION OF		MODIFICATION OF			ITEM NO	DESC CODE	SP NO			EST.	FINAL
SIGNING		SIGNING		SIGNING		SIGNING		SIGNING									
196-3-106		442-2-70		2374-1-23		2374-2-36		2374-3-26									
EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL								
								161,000	161,000		416	525		DRILL SHAFT(NON-REINF)(12 IN)(SIGN MTS)	LF		
349,250	354,000	35,250	35,250	305,250	305,250	275,250	275,250	263,250	258,750		704	501	002	AL SIGN TY A	SF		
420,000	420,000	40,000	44,000	350,000	264,000	848,000	448,000	628,000	592,000		728	508	001	1.25 IN GALV PIPE POST	LF		
								4,991,000	4,273,450		730	501	002	GALV STR STL POST	LR		
								6,000	6,000		5301	501		RARCH,SIGNS AND TRAF HANDLING	MT		
											7155	501		REMOV AND REPL OVHD GUIDE SIGNS	EA		
								23,000	23,000		7208	501		REMOV HWY SIGN LGS FIXT	EA		
								926,000	926,000		7223	501		PLY SIGN TY A	SF		
								8,000	8,000		7231	501		REMOV EXIST SIGN PANELS	EA		
								18,000	18,000		7256	501		MODIFYING EXISTING SIGNS	EA		
								44,000	50,000		7391	501		ADJ LOC OF EXIST MT, PANEL ON EXIST SGN	EA		
														PRELIMINARY ENGINEERING (PART)			
														PRELIMINARY ENGINEERING (PART)			
											</						

ESTIMATE & QUANTITY SHEET

STATE DIST. NO.	COUNTY	PROJECT NO.	SHEET NO.
18	DALLAS	ACT 35E-6(223)426,ETC.	2

ESTIMATE SUMMARY

ACT 20-5(87)454 MODIFICATION OF SIGNING 2374-4-8										A L T.	ITEM- CODE			DESCRIPTION	UNIT	TOTAL	
EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL		ITEM NO	DESC CODE	SP NO			EST.	FINAL
								140,000	133,000		416	525		DRILL SHAFT(NON-REINF)(12 IN)(SIGN MTS)	LF	301,000	294,000
								251,250	250,500		704	501	002	AL SIGN TV A	SF	1,479,500	1,479,000
								668,000	644,000		728	508	001	1.25 IN GALV PIPE POST	LF	2,558,000	2,412,000
								4,215,000	3,707,680		730	501	002	GALV STR STL POST	LF	9,206,000	7,981,180
											5301	501		BARCO, SIGNS AND TRAF HANDLING	MT	6,000	6,000
								1,000	1,000		7155	501		REMOV AND REPL JUNK GUDF SIGNS	EA	1,000	1,000
								12,000	12,000		7208	501		REMOV HWY SIGN LTR FIXT	EA	35,000	35,000
								853,000	853,000		7223	501		PLY SIGN TV A	SF	1,779,000	1,779,000
								6,000	6,000		7231	501		REMOV EXIST SIGN PANELS	EA	14,000	14,000
								17,000	17,000		7250	501		MODIFYING EXISTING SIGNS	EA	35,000	35,000
								45,000	45,000		7391	501		ADJ LOC OF EXIST NO. PANEL ON EXIST SGN	EA	49,000	95,000
														PRELIMINARY ENGINEERING (PART)			
														PRELIMINARY ENGINEERING (PART)		1,000	1,000

ESTIMATE & QUANTITY SHEET

2-A

STATE DIST. NO.	COUNTY	PROJECT NO.	SHEET NO.
18	DALLAS	ACT 35F-6(223)426, ETC.	2A

GENERAL NOTES AND SPECIFICATION DATA:

SCOPE OF WORK:

SIGNING:

THESE PLANS PROVIDE FOR MODIFICATION OF GUIDE SIGNS AND EXIT PANEL LOCATIONS, INSTALLATION OF EXIT GORE SIGNS AND ONE TENTH MILEPOSTS. ALL WORK, MATERIAL AND SERVICES NOT EXPRESSLY CALLED FOR IN THE SPECIFICATIONS OR NOT SHOWN IN THE PLANS, WHICH MAY BE NECESSARY FOR COMPLETE AND PROPER CONSTRUCTION, SHALL BE PERFORMED, FURNISHED, AND INSTALLED.

THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND SALVAGE SOME OF THE EXISTING SIGNS FOR RE-USE AT OTHER LOCATIONS ON THE PROJECT. OTHER SIGNS, NOT DESIGNATED FOR RE-USE ON THE PROJECT SHALL BE CAREFULLY DISMANTLED AND STOCKPILED ON THE RIGHT-OF-WAY FOR COLLECTION BY STATE MAINTENANCE FORCES.

NO EXTRA COMPENSATION WILL BE ALLOWED FOR FULFILLING THE REQUIREMENTS STATED ABOVE.

GENERAL:

THE MINIMUM LENGTH SECTION THAT WILL BE INSPECTED AND ACCEPTED IS FIVE MILES.

SALVAGE MATERIALS:

ALL MATERIALS, DESIGNATED BY THE ENGINEER OR IN THE PLANS, TO BE SALVAGED BY THE STATE SHALL BE STOCKPILED AT SITES DESIGNATED BY THE ENGINEER FOR COLLECTION BY STATE FORCES. MATERIALS DESIGNATED, BY THE ENGINEER OR IN THE PLANS, TO BE SALVAGED BY THE CONTRACTOR SHALL BE REMOVED FROM THE PROJECT SITE.

SALVAGE MATERIALS FOR THIS PROJECT SHALL BE SIGNS AND SIGN LIGHTING FIXTURES.

ITEMS 416 AND 738

THE CONTRACTOR SHALL PROBE BEFORE DRILLING FOUNDATIONS TO DETERMINE THE LOCATION OF ALL UTILITIES AND STRUCTURES. HE SHALL BE PAID FOR EACH FOUNDATION BUT ONCE REGARDLESS OF THE OCCURRENCE OF ANY OBSTRUCTION.

THE TOP 2 INCHES OF DRILL SHAFTS AND ALL DRILL SHAFTS WHICH EXTEND ABOVE THE GROUND LINE SHALL BE FORMED. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

GENERAL NOTES AND SPECIFICATION DATA:

ITEMS 704, 728, 730 & 7223:

AFTER SIGN SUPPORTS WITH SIGNS ATTACHED HAVE BEEN ERECTED, INDIVIDUAL UNITS REQUIRING CLEANING SHALL BE WASHED WITH AN APPROVED CLEANING SOLUTION TO REMOVE ALL GREASE, OIL, DIRT, SMEARS, STREAKS AND OTHER FOREIGN PARTICLES.

ITEM 724:

DIMENSIONS FOR CORNER RADII ABOVE 3 INCHES MAY VARY PLUS OR MINUS 1 INCH. DIMENSIONS FOR BORDER WIDTH MAY VARY AS MUCH AS PLUS 1/2 INCH. BORDERS AND CORNER RADII MUST BE MATCHING WIDTHS.

ITEMS 728 AND 730:

THE POST LENGTHS AND/OR TOWER HEIGHTS SHOWN IN THE SIGN SUMMARIES AND PLANS ARE TO BE USED FOR BIDDING PURPOSES ONLY. PRIOR TO FABRICATION, THE CONTRACTOR, IN COOPERATION WITH THE ENGINEER, SHALL TAKE FINISHED GRADE ELEVATIONS AT THE SIGN SUPPORT LOCATIONS AND SHALL DETERMINE THE EXACT POST LENGTHS AND/OR TOWER HEIGHTS FOR FABRICATION IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS.

THE STATION LOCATIONS FOR THE SIGNS SHOWN IN THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS. THE LOCATION OF ALL SIGNS SHALL BE DETERMINED AND SET BY THE ENGINEER PRIOR TO TAKING ELEVATIONS AND DETERMINING POST LENGTHS FOR FABRICATION.

THE CONTRACTOR SHALL PROVIDE FIELD GALVANIZING AND METALLIZING EQUIPMENT, FEDERAL SPEC. 0-G-93 (STICK ONLY) OR APPROVED ALTERNATES AT ALL TIMES AND MAKE REPAIRS TO GALVANIZED SURFACES ACCORDING TO THE ABOVE SPECIFICATIONS ITEMS AT INTERVALS AS DIRECTED BY THE ENGINEER.

ITEM 5114:

THE SURFACE AREA REQUIREMENTS IN THE SPECIAL SPECIFICATION ARE NOT APPLICABLE TO THE COMPLETED ROADWAY PORTIONS ON THIS PROJECT.

ITEM 7223:

THE BACKSIDE OF ALL PLYWOOD SIGNS ON THIS PROJECT SHALL BE PAINTED.

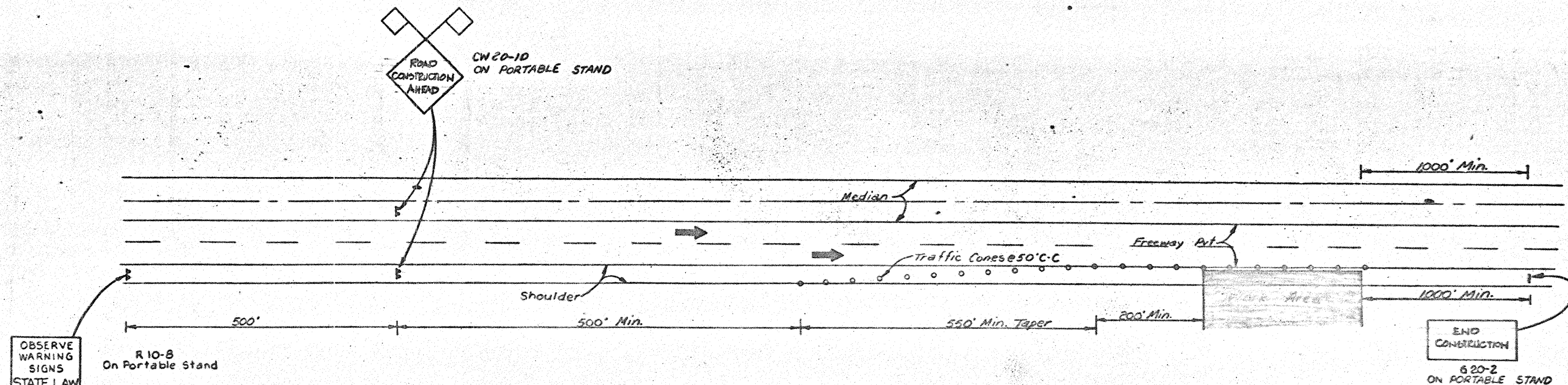
GENERAL NOTES AND SPECIFICATION DATA:

ITEM 7391:

THE SUMMARY SHEETS SHOW AN ESTIMATE OF MATERIALS REQUIRED TO ADJUST EXIT PANELS ON EXISTING SIGNS. THIS ESTIMATE WAS MADE BY VISUAL INSPECTION FROM THE GROUND AND MORE OR LESS BRACKETS MAY BE REQUIRED.

ALL BRACKETS THAT ARE EXPOSED ARE TO BE MOVED OR CUT OFF APPROXIMATELY FLUSH WITH THE TOP OF THE SIGN PANEL.

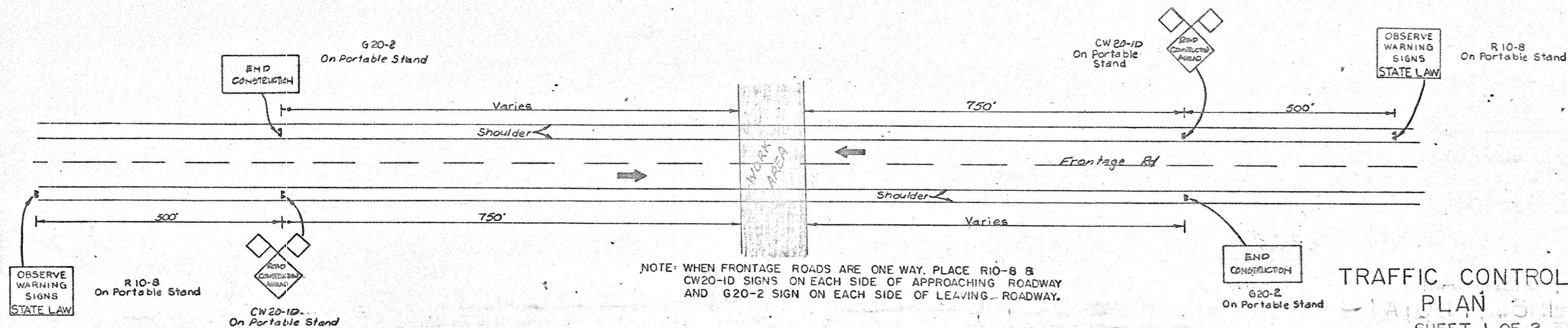
NEW BRACKETS, AS DETAILED IN THE PLANS OR AS APPROVED BY THE ENGINEER, SHALL BE FURNISHED SO AS TO PROVIDE A MINIMUM OF TWO SUPPORTS FOR EACH EXIT PANEL. CONNECTING HARDWARE SHALL BE AS DETAILED IN THE PLANS, AS PROVIDED IN SPECIFICATION ITEM 736 OR AS APPROVED BY THE ENGINEER.



TYPICAL BARRICADE ARRANGEMENT
FOR WORK ON SHOULDERS

GENERAL NOTES ON BARRICADE LAYOUT SHEETS

1. On this project at certain locations the Contractor may have to close one lane to traffic for construction work on the freeway lanes, frontage roads, or cross streets. At such times the Contractor shall provide additional barricades, signs, flagmen and cones, as directed by the Engineer.
2. Where traffic, road conditions, or terrain warrant their use, appropriate advisory speed signs shall be used in conjunction with warning signs as directed by the Engineer.
3. When a freeway lane is closed, an ARROW BOARD will be required as directed by the Engineer.



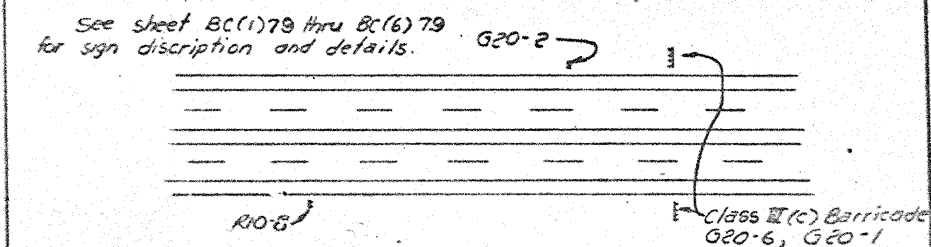
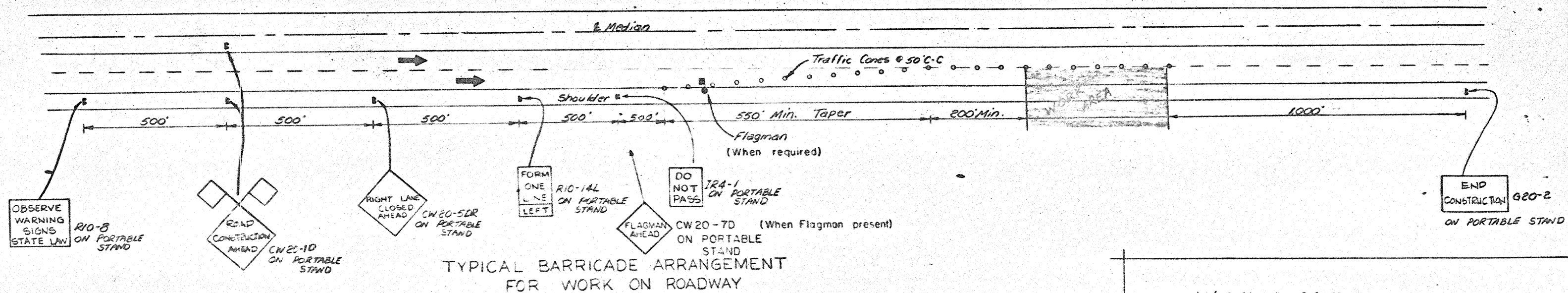
NOTE: WHEN FRONTAGE ROADS ARE ONE WAY, PLACE R10-8 & CW20-1D SIGNS ON EACH SIDE OF APPROACHING ROADWAY AND G20-2 SIGN ON EACH SIDE OF LEAVING ROADWAY.

TYPICAL BARRICADE ARRANGEMENT
FOR WORK ON FRONTAGE ROAD

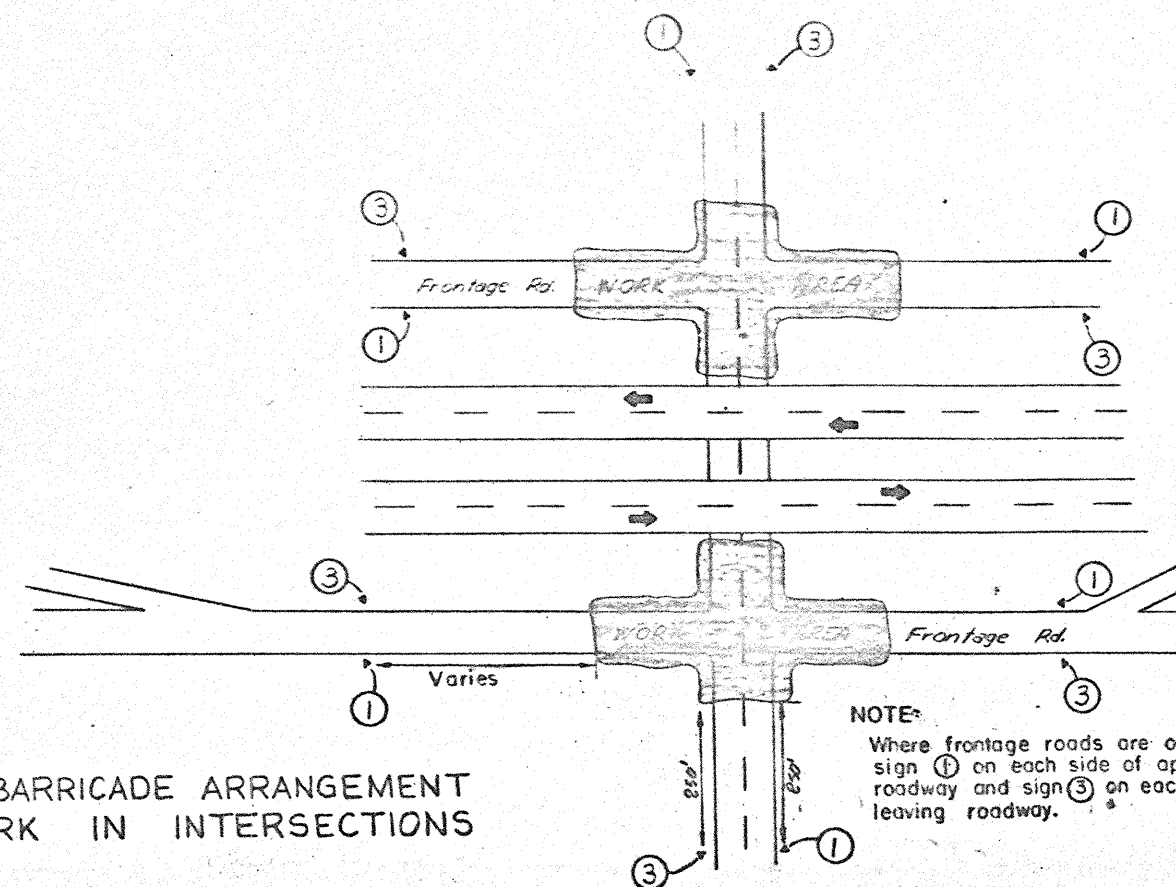
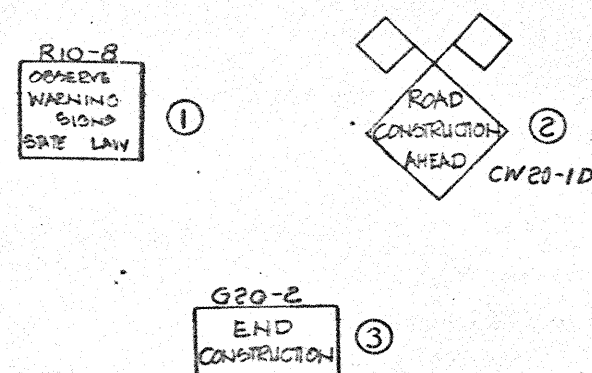
TRAFFIC CONTROL

PLAN 511-19
SHEET 1 OF 2

NO.	DATE	BY	REVISION
1	10/1/81	W. J. HARRIS	1
2	10/1/81	W. J. HARRIS	2
3	10/1/81	W. J. HARRIS	3
4	10/1/81	W. J. HARRIS	4
5	10/1/81	W. J. HARRIS	5



NOTE: IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN TO PROVIDE A MINIMUM OF FIXED CONSTRUCTION SIGNS FOR THIS PROJECT. PORTABLE SIGNS AND BARRICADES SHALL BE IN PLACE AT ALL WORK AREAS WHEN NEEDED AND REMOVED WHEN NO LONGER APPLICABLE.



PLAN SHEET NO.	SIGN NO.	SIGN TYPE	SIGN BACK-GROUND COLOR	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	ALUMINUM TYPE B SQUARE FEET	TYPE OF MOUNT	GALVANIZED STRUCTURAL STEEL				DRILLED SHAFT		REVISE SIGN TEXT ITEM 7256	REMOVE SIGN LIGHT ITEM 7208	ADJUST EXIT PANEL ITEM 7391	COMMENTS	REMOVE EXIST SIGN ITEM 7231	REMOVE & REPLACE SIGN ITEM 7155
										SIZE	LINEAR FEET			TOTAL WEIGHT LBS	LINEAR FEET NON-REINF 12" Ø	REINF 24" Ø					
											POST ①	POST ②	POST ③								
	A-1A	EXIST	GREEN	EXIT 454	9'-0" X 2'-0"	EXIST			EXIST									1	Move Existing Supports		
	1	EXIST	GREEN	Great Southwest Parkway NEXT RIGHT	21'-0" X 8'-0"	EXIST			EXIST										No Change		
	N-1B		BLUE	HOSPITAL - CAMPING	21'-0" X 2'-0"	42.00															
	A-3A	EXIST	GREEN	EXIT 453A	10'-6" X 2'-0"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	3	EXIST	GREEN	360 D/FW Airport 2 MILES	18'-0" X 10'-0"				EXIST									1	No Change		
	A-4A	EXIST	GREEN	EXIT 454	9'-0" X 2'-0"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	4	EXIST	GREEN	Great Southwest Parkway 1 MILE	21'-0" X 8'-0"				EXIST									1	No Change		
	A-5A	EXIST	GREEN	EXIT 457	9'-0" X 2'-0"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	5	EXIST	GREEN	1392 Grand Prairie Cedar Hill 1/4 MILES	17'-6" X 10'-6"				EXIST									1	No Change		
	A-6A	EXIST	GREEN	EXIT 456	9'-0" X 2'-0"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	M-6	EXIST	GREEN	Corn Valley Rd Fish Creek Rd #	20'-0" X 9'-0"				EXIST									1	Move Arrow to Right		
	N-7	F6-3	GREEN	456	5'-0" X 3'-0"	10.00				320	53x57	14.00	14.00	217	7.0						
		F1-1	GREEN	EXIT #	6'-0" X 5'-0"	30.00				320	53x57	14.00	14.00	217	7.0						
	N-9	F6-3	GREEN	456	5'-0" X 2'-0"	10.00				320	53x57	14.00	14.00	217	7.0						
		F1-1	GREEN	EXIT #	6'-0" X 5'-0"	30.00												1	Cut 1 Bracket & Add 1 Bracket		
	A-9A	EXIST	GREEN	EXIT 454	9'-0" X 2'-0"				EXIST										No Change		
	9	EXIST	GREEN	Great Southwest Parkway 2 1/4 MILES	21'-0" X 8'-0"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	A-10A	EXIST	GREEN	EXIT 456	9'-0" X 2'-0"				EXIST									1	No Change		
	M-10	EXIST	GREEN	Corn Valley Rd Fish Creek Rd #	20'-0" X 9'-0"				EXIST									1	Move Arrow to Right		
	A-11A	EXIST	GREEN	EXIT 458	9'-0" X 2'-0"				EXIST									1	Use Existing Brackets		
	11	EXIST	GREEN	Florida Drive 1 MILE	10'-0" X 9'-0"				EXIST									1	No Change		
	A-12A	EXIST	GREEN	EXIT 457	9'-0" X 2'-0"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	M-12	EXIST	GREEN	1354 Grand Prairie Cedar Hill #	17'-6" X 10'-6"				EXIST									1	Move Arrow to Right		
	N-13	F6-3	GREEN	457	5'-0" X 2'-0"	10.00				320	53x57	14.00	14.00	217	7.0						
		F1-1	GREEN	EXIT #	6'-0" X 5'-0"	30.00				320	53x57	14.00	14.00	217	7.0						
	N-14	F6-3	GREEN	457	5'-0" X 2'-0"	10.00				320	53x57	14.00	14.00	217	7.0						
		F1-1	GREEN	EXIT #	6'-0" X 5'-0"	30.00												1	Cut 1 Bracket & Add 1 Bracket		
	A-15A	EXIST	GREEN	EXIT 456	9'-0" X 2'-0"				EXIST										No Change		
	15	EXIST	GREEN	Corn Valley Rd Fish Creek Rd 1/4 MILES	10'-0" X 9'-0"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	A-16A	EXIST	GREEN	EXIT 457	9'-0" X 2'-0"				EXIST									1	Use Existing Brackets		
	M-16	EXIST	GREEN	1382 Grand Prairie Cedar Hill #	17'-6" X 10'-6"				EXIST									1	Move Arrow to Right		
	17	EXIST	GREEN	RD EAST DALLAS	10'-6" X 7'-6"				EXIST									2	Salvage Sign & Sign Lights		
	A-18A	EXIST	GREEN	EXIT 460	9'-0" X 2'-0"				EXIST									1	Use Existing Brackets		
	18	EXIST	GREEN	460 1 1/2 MILES	10'-6" X 7'-6"				EXIST									1	Use Existing Brackets		
	A-19A	EXIST	GREEN	EXIT 459	9'-0" X 2'-0"				EXIST									1	Use Existing Brackets		
	19	EXIST	GREEN	Florida Dr #	10'-0" X 9'-0"				EXIST									1	Use Existing Brackets		
	N-20	F6-3	GREEN	459	5'-0" X 2'-0"	10.00				320	53x57	14.00	14.00	217	7.0						
		F1-1	GREEN	EXIT #	6'-0" X 5'-0"	30.00				320	53x57	14.00	14.00	217	7.0						
	N-21	F6-3	GREEN	459	5'-0" X 2'-0"	10.00				320	53x57	14.00	14.00	217	7.0						
		F1-1	GREEN	EXIT #	6'-0" X 5'-0"	30.00												2	Salvage Sign & Sign Lights		
	A-22A	EXIST	GREEN	RD WEST Ft Worth	9'-0" X 2'-0"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	A-23A	EXIST	GREEN	EXIT 457	9'-0" X 2'-0"				EXIST										No Change		
	23	EXIST	GREEN	1394 Grand Prairie Cedar Hill 1/4 MILES	17'-6" X 10'-6"				EXIST									1	Use Existing Brackets		
	A-24A	EXIST	GREEN	EXIT 459	9'-0" X 2'-0"				EXIST										No Change		
	24	EXIST	GREEN	Florida Dr #	10'-0" X 9'-0"				EXIST									2	Salvage Sign & Sign Lights		
	25	EXIST	GREEN	RD EAST DALLAS	10'-6" X 7'-6"				EXIST									2	Salvage Sign & Sign Lights		
	30	EXIST	GREEN	RD WEST Ft Worth	12'-6" X 7'-6"				EXIST									1	Use Existing Brackets		
	A-31A	EXIST	GREEN	EXIT 460	9'-0" X 2'-0"				EXIST									1	No Change		
	32	EXIST	GREEN	RD DOWLING Fld 1 1/4 MILES	9'-0" X 9'-0"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	A-34A	EXIST	GREEN	EXIT 461	9'-0" X 2'-0"				EXIST									1	Move Arrow to Right		
	N-34	EXIST	GREEN	Cedar Ridge Rd #	10'-6" X 6'-6"				EXIST												
	N-35	F6-3	GREEN	461	5'-0" X 2'-0"	10.00				320	53x57	14.00	14.00	217	7.0						
		F1-1	GREEN	EXIT #	6'-0" X 5'-0"	30.00				320	53x57	14.00	14.00	217	7.0						
	N-36	F6-3	GREEN	461	5'-0" X 2'-0"	10.00				320	53x57	14.00	14.00	217	7.0						
		F1-1	GREEN	EXIT #	6'-0" X 5'-0"	30.00												1	Use Existing Brackets		
	A-37A	EXIST	GREEN	EXIT 460	9'-0" X 2'-0"				EXIST										No Change		
	37	EXIST	GREEN	408 1 1/4 MILES	10'-6" X 7'-6"				EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	A-39A	EXIST	GREEN	EXIT 461	9'-0" X 2'-0"				EXIST									1	Move Arrow to Right		
	M-39	EXIST	GREEN	2401 Fish Creek Rd #	10'-6" X 6'-6"				EXIST									1	Use Existing Brackets		
	A-2A	EXIST	GREEN	EXIT 456	9'-0" X 2'-0"	EXIST			(EXIST)									1	Move Existing Supports		
	A-2	EXIST	GREEN	Corn Valley Rd Fish Creek Rd 1 MILE	20'-0" X 9'-0"	EXIST			(320)									6	No Change		
				SHEET TOTAL		362.00				1936	520						8	20		4	

SIGN SUMMARY

SHEET 1 OF 6

FED. RD. DIST. NO.	STATE	FEDERAL PROJECT NO.	SHEET NO.
19	Texas	ACT 35E-6(23)421	7
COUNTY	CONTRACT	SECTION	HIGHWAY NO.
DALLAS	196	3	106

ETC

PLAN SHEET NO.	SIGN NO.	SIGN TYPE	SIGN BACK-GROUND COLOR	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	ALUMINUM TYPE B SQUARE FEET	TYPE OF MOUNT	GALVANIZED STRUCTURAL STEEL				DRILLED SHAFT		REVISE SIGN TEXT ITEM 7256	REMOVE SIGN LIGHT ITEM 7208	ADJUST EXIT PANEL ITEM 7391	COMMENTS	REMOVE EXIST SIGN ITEM 7231	REMOVE & REPLACE SIGN ITEM 7155
										SIZE	LINEAR FEET			TOTAL WEIGHT LBS	LINEAR FEET						
											①	②	③		NON-REINF 12" Ø	REINF 24" Ø					
2	A-21A	EXIST	GREEN	EXITS 467A-B	9'-6" x 3'-6"			EXIST										1	Cut 1 Bracket & Add 1 Bracket		
	21	EXIST	GREEN	35E 77 Dallas Wood 2 1/4 MILES	12'-0" x 9'-0"			EXIST											No Change		
	A-22A	EXIST	GREEN	EXIT 466	9'-0" x 2'-0"			EXIST	EXIST									1	Move 1 Bracket		
	22	EXIST	GREEN	South Polk St. 1 1/2 MILES	19'-0" x 6'-0"			EXIST	EXIST										No Change		
	A-23A	EXIST	GREEN	EXIT 465	9'-0" x 2'-0"			EXIST										1	Move 1 Bracket		
	M-23	EXIST	GREEN	Wheatland Rd Hampton Rd	19'-0" x 9'-0"			EXIST											Move Arrow to Right		
	N-24	F6-3	GREEN	465	5'-0" x 2'-0"	10.00			320	53x57	1400	1400		217	7.0						
		FI-1	GREEN	EXIT A	6'-0" x 5'-0"	30.00															
	N-25	F6-3	GREEN	465	5'-0" x 2'-0"	10.00			320	53x57	1400	1400		217	7.0						
		FI-1	GREEN	EXIT A	6'-0" x 5'-0"	30.00															
	A-26A	EXIST	GREEN	EXIT 464A	10'-6" x 2'-0"			EXIST										1	Use Existing Brackets		
	26	EXIST	GREEN	67 NORTH 1 1/2 MILES	13'-0" x 7'-6"			EXIST											No Change		
	A-27A	EXIST	GREEN	EXIT 464B	10'-6" x 2'-0"			EXIST	EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	27	EXIST	GREEN	67 SOUTH CLEVELAND 1 1/4 MILES	13'-0" x 10'-0"			EXIST	EXIST										No Change		
	A-28A	EXIST	GREEN	EXIT 465	9'-0" x 2'-0"			EXIST										1	Cut 1 Bracket & Add 1 Bracket		
	M-28	EXIST	GREEN	Hampton Rd Wheatland Rd	19'-0" x 9'-0"			EXIST											Move Arrow to Right		
	29	EXIST	GREEN	80 EAST SHREVEPORT	14'-0" x 7'-6"			EXIST									2	Salvage Sign & Sign Lights Replace Sign on Westwoodland SH		0.5	
	A-30A	EXIST	GREEN	EXITS 467A-B	9'-6" x 3'-6"			EXIST										1	Use Existing Brackets		
	30	EXIST	GREEN	35E 77 Dallas Wood 1 MILE	12'-0" x 9'-0"			EXIST	EXIST										No Change		
	A-31A	EXIST	GREEN	EXIT 466	9'-0" x 2'-0"			EXIST	EXIST									1	Move Existing Supports		
	31	EXIST	GREEN	South Polk Street	15'-0" x 6'-6"			EXIST											No Change		
	32	F6-3	GREEN	466	5'-0" x 2'-0"	10.00			320	53x57	1400	1400		217	7.0						
		FI-1	GREEN	EXIT A	6'-0" x 5'-0"	30.00															
	33	F6-3	GREEN	466	5'-0" x 2'-0"	10.00			320	53x57	1400	1400		217	7.0						
		FI-1	GREEN	EXIT A	6'-0" x 5'-0"	30.00															
	A-35A	EXIST	GREEN	EXIT 465	9'-0" x 2'-0"			EXIST										1	Cut 1 Bracket & Add 1 Bracket		
	35	EXIST	GREEN	Hampton Rd Wheatland Rd 1 1/2 MILES	15'-0" x 9'-0"			EXIST	EXIST										No Change		
	A-36A	EXIST	GREEN	EXIT 466	9'-0" x 2'-0"			EXIST	EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	36	EXIST	GREEN	South Polk Street	15'-0" x 6'-6"			EXIST											No Change		
				SHEET TOTAL		160.00								868	290		2	2	10		
				CONTROL 2374-4-																6	1
				SUB TOTAL		853.00								4215	1400		17	12	45		
	A-39A	EXIST	GREEN	EXIT 467B	10'-6" x 2'-0"			EXIST										1	Cut 1 Bracket & Add 1 Bracket		
	39	EXIST	GREEN	35E 77 SOUTH WOOD 1/4 MILE	19'-0" x 10'-0"			EXIST	EXIST										No Change		
	A-39A	EXIST	GREEN	EXIT 467A	10'-6" x 2'-0"			EXIST	EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	M-39	EXIST	GREEN	35E 77 NORTH DALLAS DENTON	19'-0" x 10'-0"			EXIST											Move Arrow to Right		
	40	F6-4	GREEN	467A	6'-6" x 2'-0"	13.00			320	53x57	1400	1400		217	7.0						
		FI-1	GREEN	EXIT A	6'-0" x 5'-0"	30.00															
	41	EXIST	GREEN	80 635 EAST SHREVEPORT	17'-6" x 7'-6"			EXIST									3	Salvage sign & sign lights		1	
	A-42A	EXIST	GREEN	EXIT 468	9'-0" x 2'-0"			EXIST										1	Cut 1 Bracket, Move 1 Bracket & Add 1 Bracket		
	42	EXIST	GREEN	HOLSTON SCHOOL ROAD 1 MILE	20'-0" x 9'-0"			EXIST	EXIST										No Change		
	A-43A	EXIST	GREEN	EXIT 467B	10'-6" x 2'-0"			EXIST	EXIST									1	Cut 1 Bracket & Add 1 Bracket		
	M-43	EXIST	GREEN	35E 77 SOUTH WOOD	19'-0" x 7'-6"			EXIST											Move Arrow to Right		
	44	F6-4	GREEN	467B	6'-6" x 2'-0"	13.00			320	53x57	1400	1400		217	7.0						
		FI-1	GREEN	EXIT A	6'-0" x 5'-0"	30.00															
	45	F6-4	GREEN	467A	6'-6" x 2'-0"	13.00			320	53x57	1400	1400		217	7.0						
		FI-1	GREEN	EXIT A	6'-0" x 5'-0"	30.00															
				SHEET TOTAL		189.00								651	210		2	3	4		1

SIGN SUMMARY

SHEET 3 OF 6

STATE	FEDERAL PROJECT NO.	SHEET NO.
TEXAS	ACT 35E-6(235)426 etc	9
COUNTY	CONTRACT	SECTION
DALLAS	196	3
	106	11-35E

PLAN SHEET NO.	SIGN NO.	SIGN TYPE	SIGN BACK-GROUND COLOR	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	ALUMINUM TYPE B SQUARE FEET	TYPE OF MOUNT	GALVANIZED STRUCTURAL STEEL				DRILLED SHAFT		REVISE SIGN TEXT ITEM 7256	REMOVE SIGN LIGHT ITEM 7208	ADJUST EXIT PANEL ITEM 7391	COMMENTS	REMOVE EXIST SIGN ITEM 7231	REMOVE & REPLACE SIGN ITEM 7155
										SIZE	LINEAR FEET			TOTAL WEIGHT LBS	LINEAR FEET						
										POST ①	POST ②	POST ③									
3	44	EXIST	GREEN	20 635 WEST Ft Worth	18'0" x 7'6"			EXIST								3		Salvage Sign & Sign Lights	1		
	A-43A	EXIST	GREEN	EXITS 473B-A	9'6" x 3'6"			EXIST								1		Use Existing Brackets			
	45	EXIST	GREEN	45 75 3 1/2 MILES	11'0" x 7'6"			EXIST	EXIST									No Change			
	A-44A	EXIST	GREEN	EXIT 476	7'0" x 2'0"			EXIST	EXIST							1		Cut 1 Bracket & Add 1 Bracket			
	M-46	EXIST	GREEN	Dowdy Ferry Road #	18'6" x 6'6"			EXIST								1		Move Arrow to Right			
	47	EXIST	GREEN	20 635 EAST Shreveport	17'6" x 7'6"			EXIST								3		Salvage Sign & Sign Lights	1		
	A-45A	EXIST	GREEN	EXITS 479A-B	9'6" x 3'6"			EXIST								1		Use Existing Brackets			
	48	EXIST	GREEN	175 Dallas Kaufman 1 3/4 MILES	12'0" x 9'0"			EXIST	EXIST									No Change			
	A-41A	EXIST	GREEN	EXIT 477	9'0" x 2'0"			EXIST	EXIST							1		Cut 1 Bracket & Add 1 Bracket			
	M-49	EXIST	GREEN	St Augustine Road #	17'6" x 6'6"			EXIST								1		Move Arrow to Right			
	50	FL-3	GREEN	477	5'0" x 2'0"	10.00			320	53x5.7	14.00	14.00		217	7.0						
	FI-1	GREEN		EXIT #	6'0" x 5'0"	30.00															
	51	FL-3	GREEN	477	5'0" x 2'0"	10.00			320	53x5.7	14.00	14.00		217	7.0						
	FI-1	GREEN		EXIT #	6'0" x 5'0"	30.00															
	52	EXIST	GREEN	20 635 WEST Ft Worth	18'0" x 7'6"			EXIST								3		Salvage Sign & Sign Lights	1		
	A-53A	EXIST	GREEN	EXIT 476	9'0" x 2'0"			EXIST								1		Cut 1 Bracket & Add 1 Bracket			
	53	EXIST	GREEN	Dowdy Ferry Road 1 1/4 MILES	18'6" x 8'0"			EXIST	EXIST									No Change			
	A-54A	EXIST	GREEN	EXIT 477	9'0" x 2'0"			EXIST	EXIST							1		Cut 1 Bracket & Add 1 Bracket			
	M-54	EXIST	GREEN	St Augustine Road #	17'6" x 6'6"			EXIST								1		Move Arrow to Right			
	A-56A	EXIST	GREEN	EXIT 479B	10'6" x 2'0"			EXIST										Cut 1 Bracket & Add 1 Bracket			
	56	EXIST	GREEN	175 EAST Kaufman 1/4	13'6" x 10'0"			EXIST	EXIST									No Change			
	A-51A	EXIST	GREEN	EXIT 479A	10'6" x 2'0"			EXIST	EXIST							1		Cut 1 Bracket & Add 1 Bracket			
	57	EXIST	GREEN	175 WEST Dallas #	13'6" x 7'6"			EXIST										No Change			
	58	FL-4	GREEN	479A	6'6" x 2'0"	13.00			320	53x5.7	14.00	14.00		217	7.0						
	FI-1	GREEN		EXIT #	6'0" x 5'0"	30.00															
	A-59A	EXIST	GREEN	EXIT 1A	7'6" x 2'0"			EXIST										1	Move 1 Bracket		
	59	EXIST	GREEN	Songville Road 1 MILE	13'6" x 8'0"			EXIST	EXIST									No Change			
	A-62A	EXIST	GREEN	EXIT 479B	10'6" x 2'0"			EXIST	EXIST							1		Move 1 Bracket			
	60	EXIST	GREEN	175 EAST Kaufman #	15'0" x 7'6"			EXIST										No Change			
	61	FL-4	GREEN	479B	6'6" x 2'0"	13.00			320	53x5.7	14.00	14.00		217	7.0						
	FI-1	GREEN		EXIT #	6'0" x 5'0"	30.00															
	62	FL-4	GREEN	479A	6'6" x 2'0"	13.00			320	53x5.7	14.00	14.00		217	7.0						
	FI-1	GREEN		EXIT #	6'0" x 5'0"	30.00															
	A-63A	EXIST	GREEN	EXIT 477	9'0" x 2'0"			EXIST										1	Cut 1 Bracket & Add 1 Bracket		
	63	EXIST	GREEN	St Augustine Road 1 3/4 MILES	17'6" x 8'0"			EXIST	EXIST									No Change			
	A-64A	EXIST	GREEN	EXIT 479A	10'6" x 2'0"			EXIST	EXIST							1		Cut 1 Bracket & Add 1 Bracket			
	M-64	EXIST	GREEN	175 WEST #	13'6" x 8'0"			EXIST								1		Move Arrow to Right			
	65	FL-4	GREEN	479B	6'6" x 2'0"	13.00			320	53x5.7	14.00	14.00		217	7.0						
	FI-1	GREEN		EXIT #	6'0" x 5'0"	30.00															
	A-67A	EXIST	GREEN	EXIT 479A	10'6" x 2'0"			EXIST										1	Cut 1 Bracket & Add 1 Bracket		
	67	EXIST	GREEN	175 WEST 1/4 MILE	13'6" x 7'6"			EXIST	EXIST									No Change			
	A-68A	EXIST	GREEN	EXIT 479B	10'6" x 2'0"			EXIST	EXIST							1		Cut 1 Bracket & Add 1 Bracket			
	68	EXIST	GREEN	175 EAST Kaufman #	15'0" x 7'6"			EXIST										No Change			
SHEET TOTAL						252.00										4	9	14		3	
CONTROL 2374-3-																					
SUB TOTAL						926.00											13	23	44		8

SIGN SUMMARY

SHEET 6 OF 6

FED. RD. DIST. NO.	STATE	FEDERAL PROJECT NO.	SHEET NO.
15	TEXAS	ACI 35E-6(223)426 EC	12
COUNTY	CONTRACT	SECTION	POST MILE
DALLAS	1461	5	15.35

SHEET NO	STATION NO	M.P. NO	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	TOTAL SIGN MOUNT EA					
																													1	1A	2	3	4	5
	465.7	465.7	465.7E	4	465.7W	4									466.7	466.7	466.7E	5	466.7W	5												2	2	
	465.8	465.8	465.8E	1	465.8W	1	465.8W	2	465.8W	1					466.8	466.8	466.8E	5	466.8W	5													2	
	465.9	465.9	465.9E	1	465.9W	1	465.9W	2	465.9W	1					466.9	466.9	466.9E	1	466.9W	5	466.9W	5	466.9W	1									2	
	466.0	466.0	466.0E	1	466.0W	2									467.0	467.0	467.0E	5	467.0W	5													2	
	466.1	466.1	466.1E	1	466.1W	2									467.1	467.1	467.1E	5	467.1W	5													2	
	466.2	466.2	466.2E	1	466.2W	2									467.2	467.2	467.2E	5	467.2W	5													2	
	466.3	466.3	466.3E	1	466.3W	2																												
	466.4	466.4	466.4E	1	466.4W	2																												
	466.5	466.5	466.5E	1	466.5W	1	466.5W	2	466.5W	1																							2	
	466.6	466.6	466.6E	1	466.6W	5	466.6W	5	466.6W	1																							2	
SHEET TOTAL CONTROL 2374-4-																												18	9		2	14		
SUB TOTAL CONTROL 2374-4-																												147	-	46	-	14	10.8	
	467.3	467.3	467.3E	5	467.3W	5									471.2	471.2	471.2E	1	471.2W	2													2	
	467.4	467.4	467.4E	2	467.4W	5	467.4W	5	467.4W	1					471.3	471.3	471.3E	1	471.3W	2													2	
	467.5	467.5	467.5E	1	467.5W	5	467.5W	5	467.5W	1					471.4	471.4	471.4E	1	471.4W	2													2	
	467.6	467.6	467.6E	4	467.6W	1	467.6W	5	467.6W	5					471.5	471.5	471.5E	1	471.5W	2													2	
	467.7	467.7	467.7E	5	467.7W	5									471.6	471.6	471.6E	1	471.6W	2													2	
	467.8	467.8	467.8E	4	467.8W	1	467.8W	5	467.8W	5					471.7	471.7	471.7E	1	471.7W	2													2	
	467.9	467.9	467.9E	5	467.9W	1	467.9W	2	467.9W	5					471.8	471.8	471.8E	2	471.8W	1	471.8W	2											2	
	468.0	468.0	468.0E	1	468.0W	1	468.0W	2	468.0W	1					471.9	471.9	471.9E	1	471.9W	2														
	468.1	468.1	468.1E	1	468.1W	2									472.0	472.0	472.0E	1	472.0W	2	472.0W	1												
	468.2	468.2	468.2E	1	468.2W	2									472.1	472.1	472.1E	1	472.1W	5	472.1W	5	472.1W	1									2	
	468.3	468.3	468.3E	1	468.3W	2									472.2	472.2	472.2E	1	472.2W	1	472.2W	2	472.2W	1										
	468.4	468.4	468.4E	1	468.4W	2									472.3	472.3	472.3E	1	472.3W	2														
	468.5	468.5	468.5E	1	468.5W	2	468.5W	2	468.5W	1					472.4	472.4	472.4E	4	472.4W	4														
	468.6	468.6	468.6E	1	468.6W	2	468.6W	2	468.6W	1					472.5	472.5	472.5E	1	472.5W	2														
	468.7	468.7	468.7E	2	468.7W	4	468.7W	4	468.7W	1					472.6	472.6	472.6E	2	472.6W	2														
	468.8	468.8	468.8E	1	468.8W	1	468.8W	2	468.8W	2					472.7	472.7	472.7E	4	472.7W	4														
	468.9	468.9	468.9E	1	468.9W	2									472.8	472.8	472.8E	1	472.8W	2														
	469.0	469.0	469.0E	1	469.0W	2									472.9	472.9	472.9E	1	472.9W	2														
	469.1	469.1	469.1E	1	469.1W	2									473.0	473.0	473.0E	1	473.0W	2														
	469.2	469.2	469.2E	1	469.2W	2									473.1	473.1	473.1E	1	473.1W	2														
	469.3	469.3	469.3E	1	469.3W	2									473.2	473.2	473.2E	1	473.2W	2	473.2W	1												
	469.4	469.4	469.4E	1	469.4W	2									473.3	473.3	473.3E	4	473.3W	4	473.3W	4	473.3W	4									4	
	469.5	469.5	469.5E	1	469.5W	2									473.4	473.4	473.4E	1	473.4W	5	473.4W	5	473.4W	1									2	
	469.6	469.6	469.6E	1	469.6W	2									473.5	473.5	473.5E	5	473.5W	1	473.5W	4											1	
	469.7	469.7	469.7E	1	469.7W	2									473.6	473.6	473.6E	5	473.6W	5	473.6W	4											1	
	469.8	469.8	469.8E	1	469.8W	2									473.7	473.7	473.7E	1	473.7W	5	473.7W	5	473.7W	1									2	
	469.9	469.9	469.9E	1	469.9W	2									473.8	473.8	473.8E	4	473.8W	4	473.8W	4	473.8W	4										
	470.0	470.0	470.0E	1	470.0W	2									473.9	473.9	473.9E	4	473.9W	4	473.9W	4	473.9W	4	473.9W	4							5	
	470.1	470.1	470.1E	1	470.1W	2	470.1W	2	470.1W	1					474.0	474.0	474.0E	1	474.0W	5	474.0W	5	474.0W	5									2	
	470.2	470.2	470.2E	5	470.2W	5									474.14.																			

Prefix Code:
Main Lanes - NONE
Collector Rd - C
Frontage Rd - F
Ramp - R

Suffix Code:
North - N
East - E
South - S
West - W

SPECIAL MILEPOST SUMMARY

SHEET 2 OF 8

STATE	STATE	FEDERAL PROJECT NO.

SHEET NO	STATION NO	M.P. NO	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT		SHEET NO	STATION NO	M.P. NO	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT		TY I EA	TY 1A EA	TY 2 EA	TY 3 EA	TY 4 EA	TY 5 EA
	490+03.6	475.1	475.1E	1	475.1W	2									1485+19.1	480.1	480.1N	1	480.1S	2							2						
	495+31.6	475.2	475.2E	1	475.2W	2									1480+19.1	480.2	480.2N	5	480.2S	5							1					2	
	500+59.6	475.3	475.3E	1	475.3W	2									1475+41.1	480.3	480.3N	1	480.3S	2							2						
	505+87.6	475.4	475.4E	1	475.4W	2									1469+63.1	480.4	480.4N	1	480.4S	2							2						
	511+15.6	475.5	475.5E	1	475.5W	2									1464+35.1	480.5	480.5N	1	480.5S	1	480.5S	2	480.5S	1		4							
	516+43.6	475.6	475.6E	1	475.6W	2																					1						
	521+71.6	475.7	475.7E	1	475.7W	2																					1						
	526+99.6	475.8	475.8E	4	475.8W	4																										2	
	532+27.6	475.9	475.9E	4	475.9W	4																										2	
	537+55.6	476.0	476.0E	4	476.0W	4																										2	
	542+83.6	476.1	476.1E	4	476.1W	4																										2	
	548+11.6	476.2	476.2E	4	476.2W	4																											
	553+39.6	476.3	476.3E	1	476.3W	2																					1						
	558+67.6	476.4	476.4E	1	476.4W	2																					1						
	563+95.6	476.5	476.5E	1	476.5W	2																					3						
	568+23.6	476.6	476.6E	1	476.6E	1	476.6W	2	R476.6W	1																	3						
	574+51.6	476.7	476.7E	1	476.7E	1	476.7W	2	R476.7W	1																	2					1	
	579+79.6	476.8	476.8E	1	476.8W	5	R476.8W	1																			3						
	585+07.6	476.9	476.9E	1	476.9E	1	476.9W	2	R476.9W	1																						2	
	590+35.6	477.0	477.0E	5	477.0W	5																											
	595+63.6	477.1	477.1E	1	477.1W	2																					1						
	600+91.6	477.2	477.2E	1	477.2W	2																					1						
	606+19.6	477.3	477.3E	1	477.3W	2																					1						
	611+47.6	477.4	477.4E	1	477.4W	2																					1						
	617+75.6	477.5	477.5E	1	477.5W	2																					1						
	622+103.6	477.6	477.6E	1	477.6W	2																					1						
	627+31.6	477.7	477.7E	1	477.7W	2																					1						
	632+59.6	477.8	477.8E	1	477.8E	1	477.8W	2	R477.8W	1																	3					2	
	637+87.6	477.9	477.9E	4	477.9W	4	R477.9W	2																			3						
	643+15.6	478.0	478.0E	1	478.0E	1	478.0W	2	R478.0W	1																	1						
	648+43.6	478.1	478.1E	1	478.1W	2																					1						
	653+71.6	478.2	478.2E	1	478.2E	2																					1						
	658+99.6	478.3	478.3E	1	478.3W	2																					1						
	664+27.6	478.4	478.4E	1	478.4W	2																					1						
	669+55.6	478.5	478.5E	1	478.5W	2																					1						
	675+83.6	478.6	478.6E	1	478.6W	2																					1						
	680+11.6	478.7	478.7E	1	478.7W	2																					1						
	685+39.6	478.8	478.8E	1	478.8W	2																					1						
	690+67.6	478.9	478.9E	5	478.9W	1																					1						
	695+95.6	479.0	479.0E	1	479.0W	5																					1						
	701+23.6	479.1	479.1E	1	479.1W	2																					1						
	706+51.6	479.2	479.2E	1	479.2W	2																					1						
	711+79.6	479.3	479.3E	4	479.3N	4	479.3S	4	R479.3S	4																	1					4	
	717+07.6	479.4	479.4E	4	479.4N	1	479.4S	2	R479.4S	4																	3					2	
	722+35.6	479.5	479.5E	1	479.5N	4	479.5S	1	479.5S	2	R479.5S	4															3					2	
	727+63.6	479.6	479.6E	4	479.6N	1	479.6S	1	479.6S	2	R479.6S	4															1					2	
	733+91.6	479.7	479.7E	4	479.7N	1	479.7S	2	R479.7S	4																	3						
	738+19.6	479.8	479.8E	1	479.8N	1	479.8S	2	R479.8S	1																	1						
	743+47.6	479.9	479.9E	1	479.9N	2																					1						
	748+75.6	480.0	480.0E	1	480.0S	2																					1						
SHEET TOTAL CONTROL 2374-3-																												68		45		16	17
548 TOTAL CONTROL 2374-3-																												57	-	107	-	43	44

SHEET TOTAL CONTROL 2374-3- 68 45 16 17

SUB TOTAL CONTROL 2374-3- 57 - 107 - 43 44

Prefix Code:
Main Lanes - NONE
Collector Rd- C
Frontage Rd- F
Ramp - R

Suffix Code:
North - N
East - E
South - S
West - W

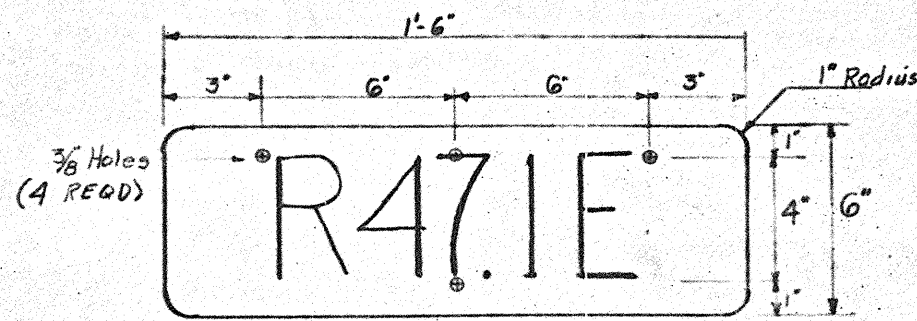
SPECIAL MILEPOST SUMMARY

SHEET 3 OF 8

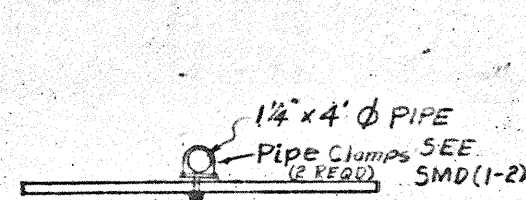
STATE	0	FEDERAL PROJECT NO.	
COUNTY	ALL 20-5-8-152		
COUNTY			
COUNTY			
COUNTY			

SHEET NO	STATION NO	M.P NO	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SHEET NO	STATION NO	M.P NO	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	TOTAL SIGN MOUNT EACH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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	864+93	11.2	R11.2N	TY1	11.2N	TY5	11.25	TY5	R11.25	TY1		822+35	12.1	R12.1N	TY1	12.1N	TY5	12.15	TY5	R12.15	TY2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

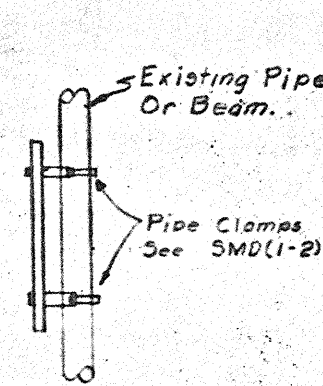
SHEET NO	STATION NO	M.P NO	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SHEET NO	STATION NO	M.P NO	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	SIGN TEXT	SIGN MOUNT	TOTAL SIGN MOUNTS EACH						
																																1	1A	2	3	4	5	
	455+32	435.3	435.3N	TY5	435.3S	TY5								731+00	440.5	R440.5N	TY4	440.5N	TY5	440.5S	TY5	R440.5SE	TY4											2	4			
	460+60	435.4	R435.4N	TY1	435.4N	TY5	435.4S	TY5	R435.4S	TY1				600+54	440.6	R440.6N	TY5	440.6N	TY5	440.6S	TY5	R440.6SE	TY4											2	5			
	465+88	435.5	R435.5N	TY1	R435.5S	TY1	435.5N	TY5	435.5S	TY5				605+52	440.7	R440.7N	TY1	R440.7N	TY1	R440.7NE	TY5	440.7N	TY5	440.7S	TY5	R440.7SE	TY4							4	5			
	471+16	435.6	435.6N	TY5	435.6S	TY5								611+10	440.8	R440.8NE	TY4	R440.8N	TY1	440.8N	TY5	440.8S	TY5	R440.8S	TY1	R440.8SE	TY1							3	4			
	476+44	435.7	435.7N	TY5	435.7S	TY5										R440.9N	TY1																	1	2			
	491+72	435.8	435.8N	TY5	435.8S	TY5								616+38	440.9	R440.9NE	TY1	R440.9N	TY1	440.9N	TY5	440.9S	TY5	R440.9SE	TY1	R440.9S	TY5							3	5			
	498+13	435.9	435.9N	TY5	435.9S	TY5								621+66	441.0	441.0N	TY5	441.0S	TY5	R441.0S	TY1														1	4		
	493+41	436.0	436.0N	TY5	436.0S	TY5								626+44	441.1	441.1N	TY3	441.1S	TY3																2	2		
	492+69	436.1	436.1N	TY5	436.1S	TY5								632+22	441.2	441.2N	TY4	441.2N	TY4																2	2		
	503+97	436.2	436.2N	TY5	436.2S	TY5								637+50	441.3	R441.3N	TY1	441.3N	TY2	441.3S	TY1														2	2		
	509+25	436.3	436.3N	TY5	436.3S	TY5								642+78	441.4	441.4N	TY5	441.4S	TY5																	4		
	514+53	436.4	436.4N	TY5	436.4S	TY5								648+06	441.5	441.5N	TY1	441.5S	TY2																1	2		
	519+81	436.5	436.5N	TY5	436.5S	TY5								653+34	441.6	441.6N	TY1	441.6S	TY2																1	2		
	525+09	436.6	436.6N	TY5	436.6S	TY5								659+62	441.7	441.7N	TY1	441.7S	TY2																1	2		
	530+37	436.7	R436.7N	TY2	436.7N	TY5	436.7S	TY5						663+90	441.8	441.8N	TY1	441.8S	TY2																1	2		
	535+65	436.8	R436.8N	TY2	436.8N	TY5	436.8S	TY5						669+18	441.9	441.9N	TY1	441.9S	TY2																1	4		
	540+93	436.9	436.9N	TY5	436.9S	TY5	R436.9S	TY1						674+46	442.0	442.0N	TY5	442.0S	TY5																1	2		
	546+21	437.0	R437.0N	TY1	437.0N	TY5	437.0S	TY5						679+74	442.1	R442.1N	TY2	442.1N	TY1	442.1S	TY2	R442.1S	TY1												3	2		
	551+49	437.1	R437.1N	TY1	437.1N	TY5	437.1S	TY5						685+02	442.2	442.2N	TY5	442.2S	TY5																	1	4	
	556+77	437.2	437.2N	TY5	437.2S	TY5								690+30	442.3	442.3N	TY5	442.3S	TY5																	4		
	562+05	437.3	437.3N	TY5	437.3S	TY5								695+58	442.4	442.4N	TY5	442.4S	TY5	R442.4S	TY2														1	4		
	567+33	437.4	437.4N	TY5	437.4S	TY5								700+86	442.5	442.5N	TY5	442.5S	TY5																	4		
	572+61	437.5	437.5N	TY5	437.5S	TY5								706+14	442.6	442.6N	TY5	442.6S	TY5																	4		
	577+89	437.6	R437.6N	TY2	437.6N	TY5	437.6S	TY5						711+42	442.7	442.7N	TY5	442.7S	TY5	R442.7S	TY1															1	4	
	583+17	437.7	R437.7N	TY1	437.7N	TY5	437.7S	TY5						716+70	442.8	442.8N	TY5	442.8S	TY5																	1	4	
	588+45	437.8	R437.8N	TY2	437.8N	TY4	437.8S	TY4						721+98	442.9	442.9N	TY5	442.9S	TY5																	1	2	
	593+73	437.9	437.9N	TY5	437.9S	TY5								727+26	443.0	R443.0N	TY2	443.0N	TY5	443.0S	TY5															1	4	
	599+00	438.0	438.0N	TY5	438.0S	TY5								732+54	443.1	443.1N	TY5	443.1S	TY5	R443.1S	TY1															1	4	
	604+28	438.1	438.1N	TY5	438.1S	TY5								737+82	443.2	443.2N	TY5	443.2S	TY5																		2	4
	609+56	438.2	R438.2N	TY1	438.2N	TY5	438.2S	TY5	R438.2S	TY1				742+10	443.3	443.3N	TY5	443.3S	TY5																	2	4	
	614+84	438.3	R438.3N	TY1	438.3N	TY5	438.3S	TY5	R438.3S	TY1				748+38	443.4	443.4N	TY5	443.4S	TY5																	2	4	
	619+12	438.4	R438.4N	TY1	438.4N	TY5	438.4S	TY5	R438.4S	TY1				753+66	443.5	443.5N	TY5	443.5S	TY5																	2	4	
	625+40	438.5	438.5N																																			



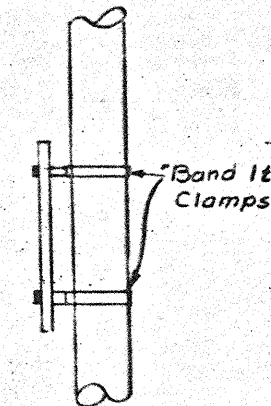
TYPICAL
SPECIAL MILEPOST MARKER



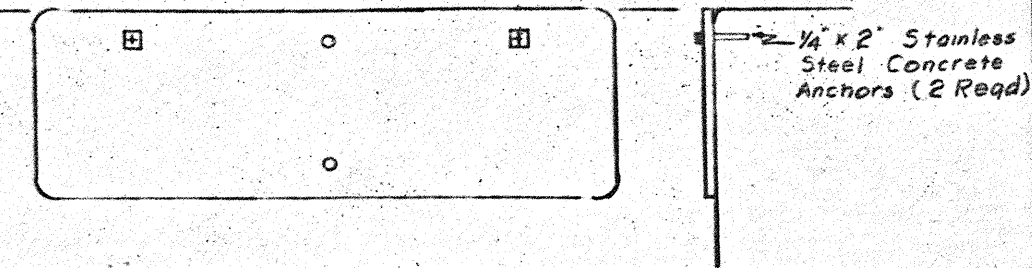
TYPE 1 MOUNT



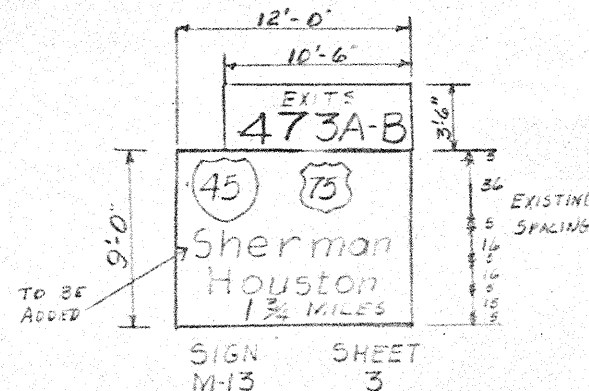
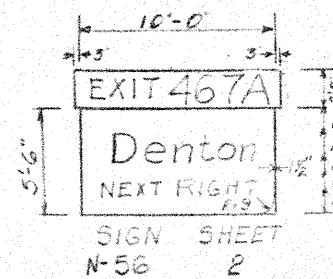
TYPE 2 MOUNT
EXISTING SIGN POST



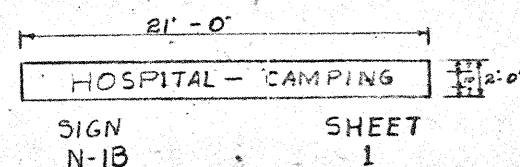
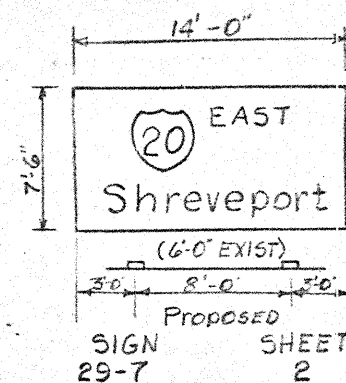
TYPE 3 MOUNT
EXISTING STREET LIGHT



TYPE 4 MOUNT
EXISTING CONCRETE STRUCTURE

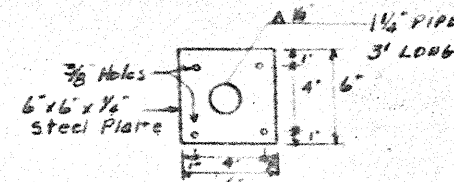


NOTE: Add "Sherman"
to Existing Sign.



#10 Aluminum Bolts w/
Al. Vandal Resistant Nut
& Flat Washer (2 Req'd)

TYPE 5 MOUNT
EXISTING MGBF



TYPE 1A MOUNT

Attach to Concrete w/4 ea
1/4" x 2" Concrete Anchors

SPECIAL MILEPOST SUMMARY

CONTROL SECTION JOB	TOTAL SIGN MOUNTS EACH						PAY ITEMS	
	1	1A	2	3	4	5	704	728
196-3-	105	-	37	2	33	289	349.25	420.00
442-2-	11	-	2	-	10	24	35.25	44.00
2374-1-	86	2	7	1	28	283	305.25	350.00
2374-2-	123	-	42	4	24	175	275.25	330.00
2374-3-	157	-	107	-	43	44	263.25	325.00
2374-4-	167	-	46	-	14	108	251.25	300.00
TOTAL	648	2	241	7	152	923	1475.75	2595.00

NOTES: Mount Special Milepost Signs on the left
Side of Roadways in the Direction of
Travel.

Sign Face Shall be Mounted Parallel to Roadway.

Top of Signs Shall be Mounted a Minimum of
18" and a Maximum of 36" Above Roadway.

Signs May be Moved A Maximum of 50' to
Permit Attachment to Existing Mount.

Special Milepost Markers Shall be White Letters
on a Blue Background. Text may be Silk Screened
or Cut Out Letters. Series D Text shall be used
Except where space requires a different Series.

The Sign Blanks Shall be One Piece Aluminum
Alloy 6-0800 Inch Thick Conforming to Specification
Item 704.

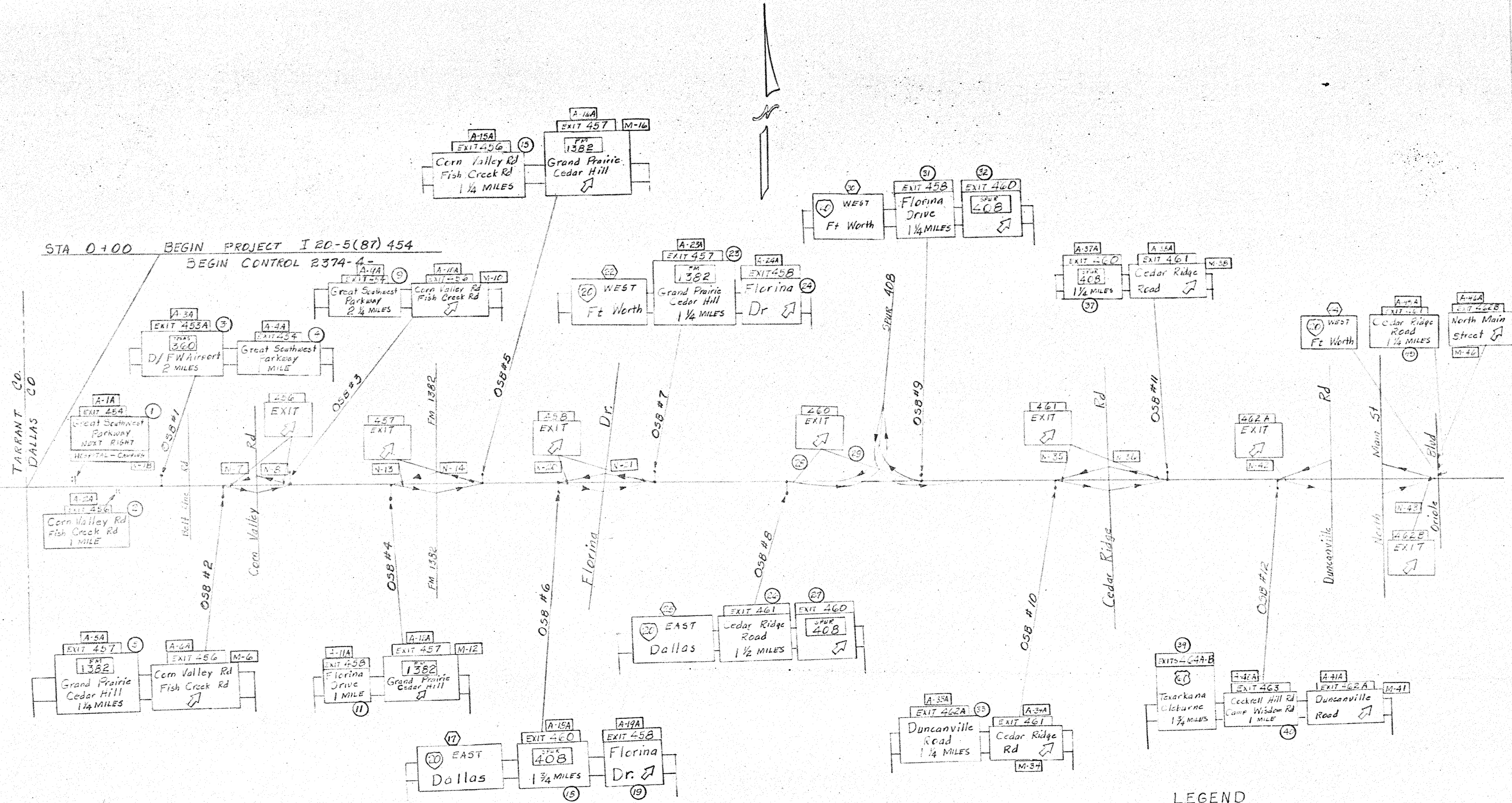
* 4'-1" for 2'-0" EXIT PANEL
* 5'-7" for 3'-6" EXIT PANEL



L 3"x2"x 1/4"x4.1 LBS Steel, ASTM-A36 & Hot Dipped Galvanized or
L 3"x2"x 3/8" Aluminum 6061-T6 or
3" Windbeam as Detailed on SMD (8-2).
See SMD (8-2) for Clamps

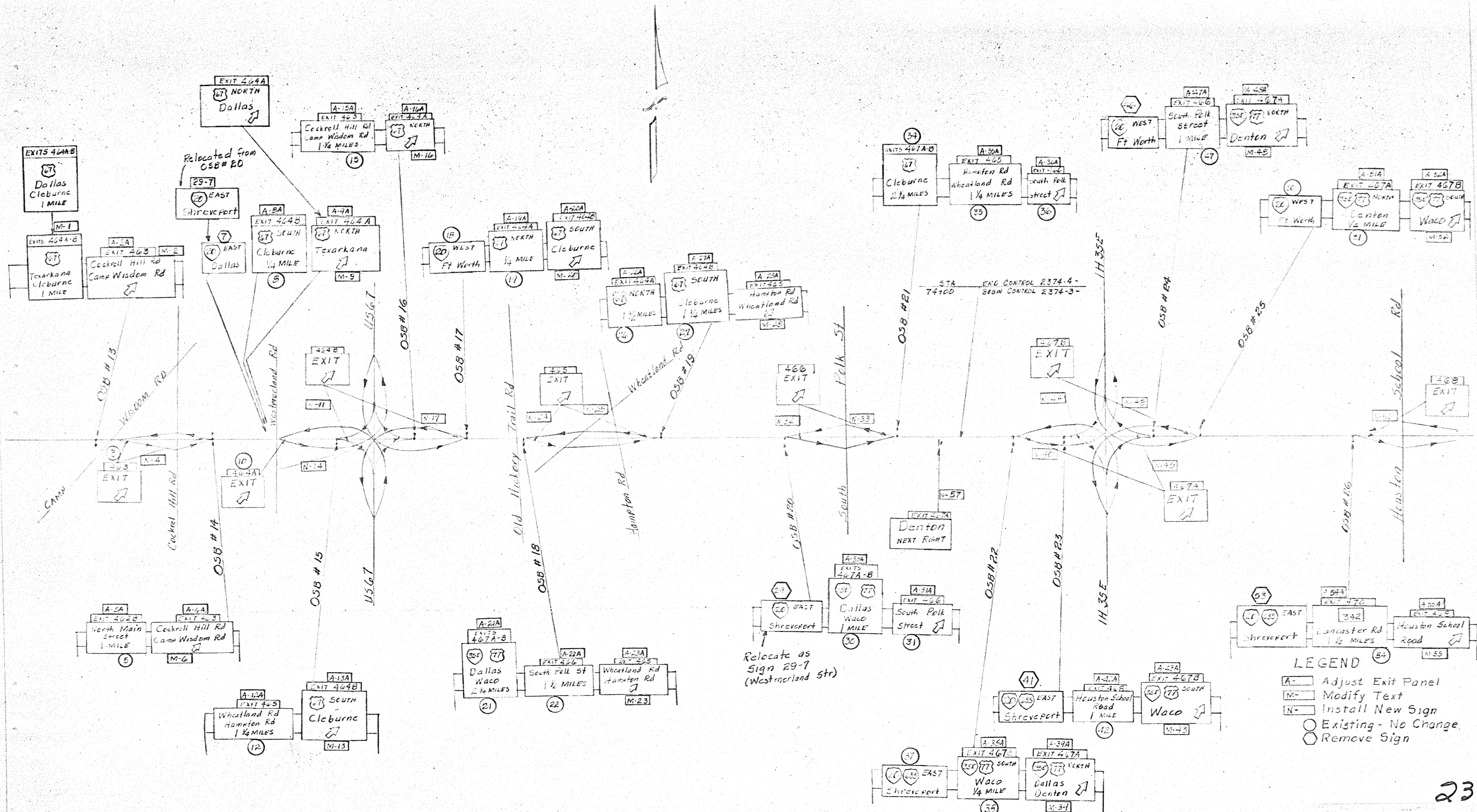
EXIT NUMBER BRACKET

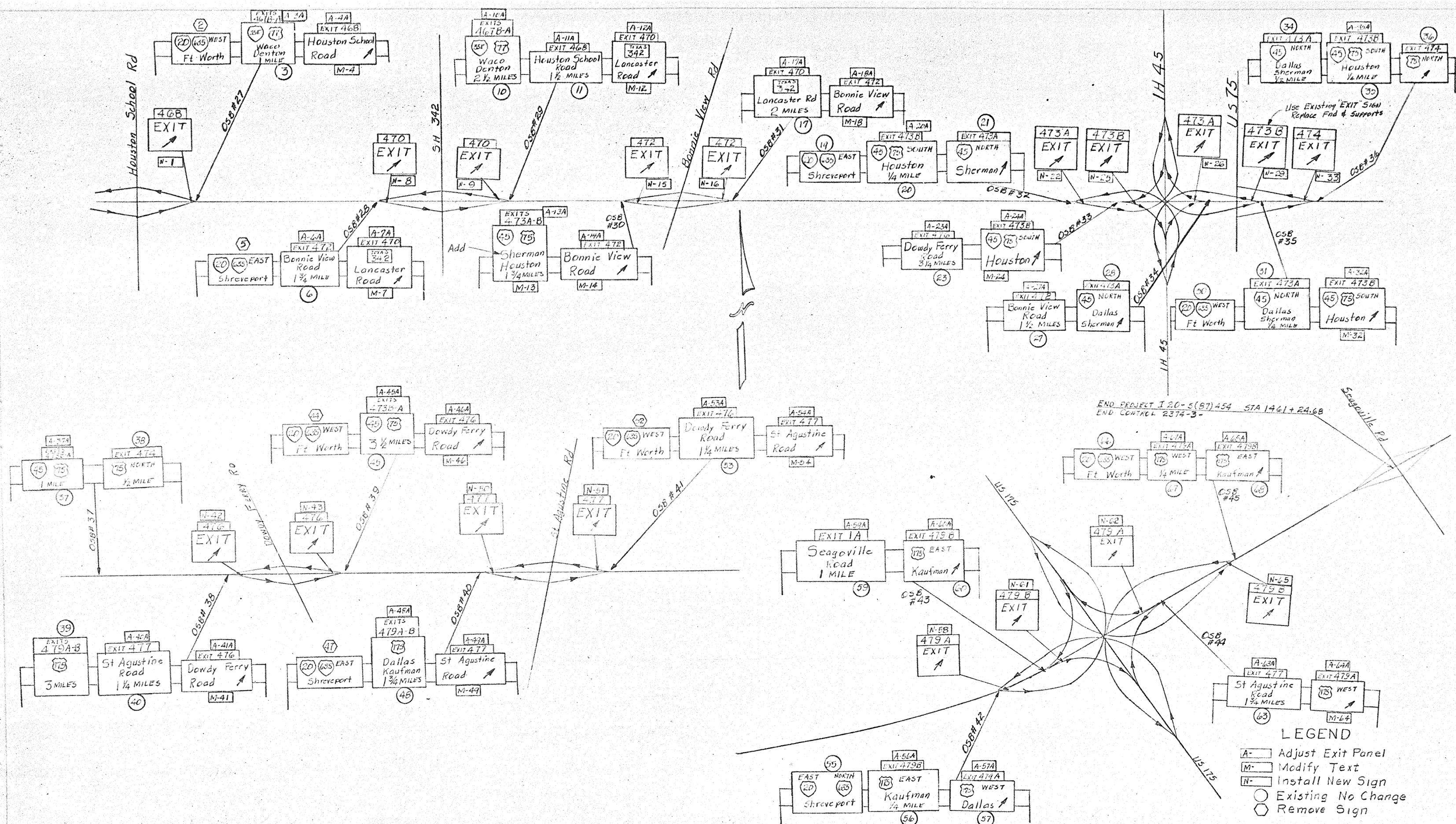
SPECIAL DETAILS



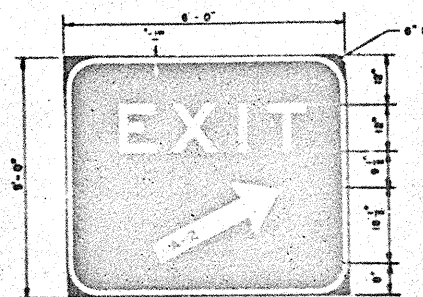
LEGEND

- A- Adjust Exit Panel
- M- Modify Text
- N- Install New Sign
- Existing - No Change
- Remove Sign



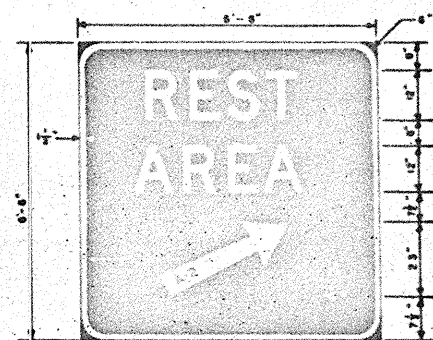


24



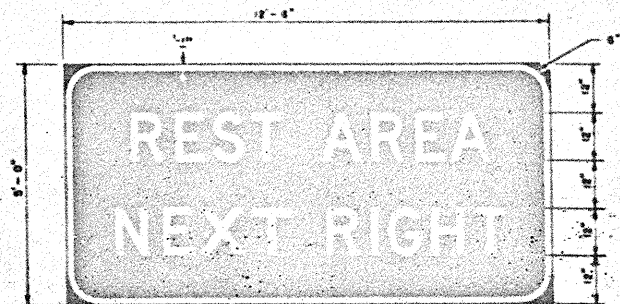
F1-1
6'-0" x 5'-0"

LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE



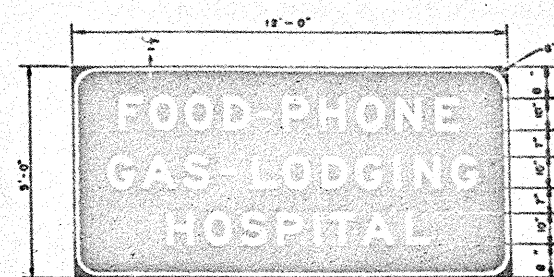
F21-1
6'-6" x 6'-6"

LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE



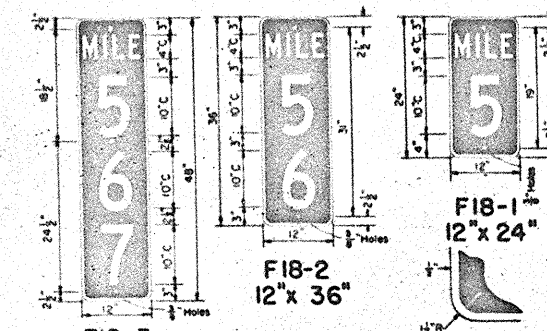
F21-2
12'-6" x 5'-0"

LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

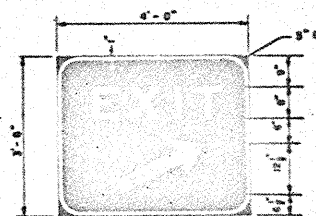


F22-5A
12'-0" x 5'-0"

LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

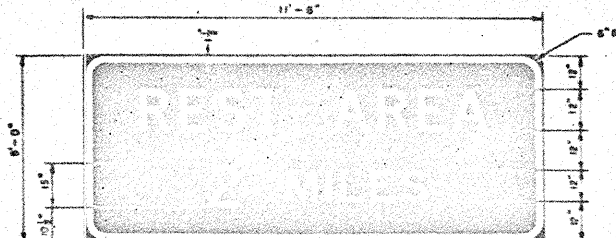


LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE
(LEGEND & BORDER NOT REMOVABLE)



F1-2
4'-0" x 3'-6"

LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE



F21-3
11'-6" x 5'-0"

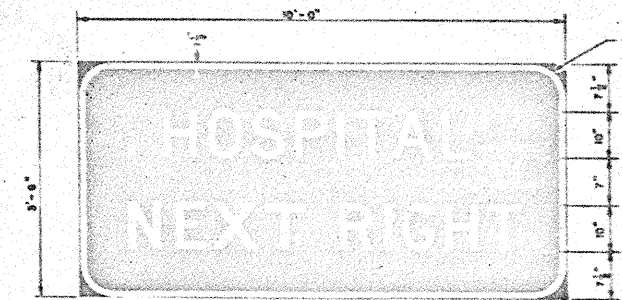
LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE



F21-5
11'-6" x 2'-0"
(USE WITH F21-3)

LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

F21-4
12'-6" x 2'-0"
(USE WITH F21-2)

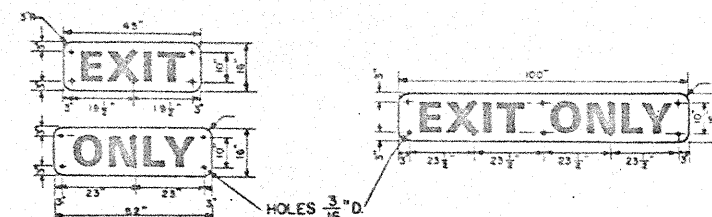


F22-6
10'-0" x 3'-6"

LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

NOTE FOR F22 SERIES SIGNS:

THE ADDITIONAL LEGEND "CAMPING" AND/OR APPROPRIATE DIRECTIONAL MESSAGE SUCH AS "SECOND RIGHT" MAY HAVE BEEN ADDED TO OR SUBSTITUTED DURING PLAN PREPARATION FOR ANY OF THE ABOVE LINES OF TEXT TO FIT INDIVIDUAL CONDITIONS. SEE THE GUIDE SIGN TABULATION SHEET FOR EXACT SIGN TEXT AND SIZE. THE LETTER SIZE AND SPACING SHOWN SHALL BE MAINTAINED.



F24-2

LEGEND - BLACK
BACKGROUND - YELLOW REFLECTIVE
(LEGEND NOT REMOVABLE)

AREA = 10.78 SQ. FT.

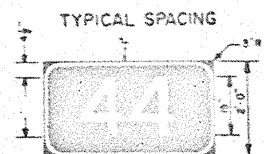
F24-1

LEGEND - BLACK
BACKGROUND - YELLOW REFLECTIVE
(LEGEND NOT REMOVABLE)

AREA = 11.11 SQ. FT.

EXIT SIGN NUMBER PANELS

LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN (SEE GENERAL NOTES)



F6-2
3'-6" x 2'-0"



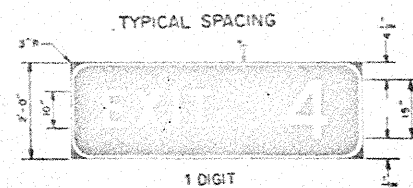
F6-3
5'-0" x 2'-0"



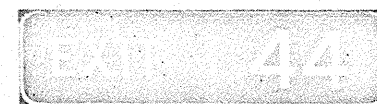
F6-4
6'-6" x 2'-0"

GUIDE SIGN NUMBER PANELS

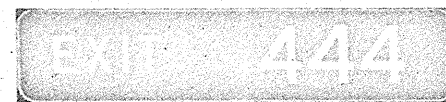
LEGEND - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN (SEE GENERAL NOTES)



F6-E1
6'-0" x 2'-0"



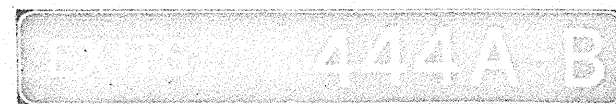
F6-E2
7'-6" x 2'-0"



F6-E3
9'-0" x 2'-0"



F6-E4
10'-6" x 2'-0"



F6-E5
13'-6" x 2'-0"

GENERAL NOTES FOR GUIDE SIGNS

THE ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND WORDS SHALL CONFORM WITH THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," LATEST EDITION, AND ANY APPROVED CHANGES THERETO. THE LATERAL SPACING OF TEXT SHALL BE SUCH AS TO PROVIDE A BALANCED APPEARANCE.

UNLESS OTHERWISE SPECIFIED, ALL LEGEND AND BORDERS FOR ALL GREEN AND BLUE BACKGROUND GUIDE SIGNS SHALL HAVE REFLECTORIZED REMOVABLE COPY WITH WHITE FRAMES CONFORMING WITH THE SPECIFICATIONS. DIMENSIONS SHOWN FOR REMOVABLE COPY BORDERS AND CORNER RADII ARE NOMINAL DIMENSIONS. HOWEVER, REMOVABLE COPY BORDERS MAY VARY IN WIDTH AS MUCH AS PLUS ONE-HALF INCH, LIKEWISE, CORNER RADII ABOVE THREE INCHES MAY ALSO VARY IN RADIUS PLUS OR MINUS ONE INCH. BORDERS AND CORNER RADII MUST BE OF MATCHING WIDTHS. THE SIGN AREA OUTSIDE THE CORNER RADIUS NEED NOT BE TRIMMED.

THE BACKGROUND OF GROUND MOUNTED GUIDE SIGNS SHALL BE OF INTERSTATE GREEN FLAT SURFACE REFLECTIVE SHEETING CONFORMING WITH THE SPECIFICATIONS. THE BACKGROUND OF GROUND MOUNTED REST AREA AND SERVICES GUIDE SIGNS SHALL BE OF INTERSTATE BLUE FLAT SURFACE REFLECTIVE SHEETING CONFORMING WITH THE SPECIFICATIONS. THE BACKGROUND OF OVERHEAD GUIDE SIGNS SHALL BE INTERSTATE GREEN PORCELAIN ENAMEL CONFORMING WITH THE SPECIFICATIONS, UNLESS OTHERWISE NOTED ELSEWHERE IN THE PLANS.

ALL GROUND MOUNTED GUIDE SIGNS SHALL BE MADE OF 5/8" PLYWOOD (TYPE A) PANELS CONFORMING WITH THE SPECIFICATIONS, UNLESS OTHERWISE NOTED ELSEWHERE IN THE PLANS.

UNLESS OTHERWISE SPECIFIED, ALL OVERHEAD GUIDE SIGNS SHALL BE MADE OF ALUMINUM PANELS WHICH HAVE GREEN PORCELAIN ENAMEL ON ONE SIDE CONFORMING WITH THE SPECIFICATIONS. THE ALUMINUM PANELS SHALL BE TYPE B (EXTRUDED) OR TYPE C (HONEYCOMB) AS SPECIFIED IN THE CONTRACT AWARD. THE ALUMINUM PANEL THICKNESS SHALL BE AS SHOWN ON STANDARD PLAN SHEET IM(2).

SIGNS (SUCH AS EXIT NUMBER PANELS OR COMFORT STATION PANELS) ATTACHED ABOVE OR BELOW A PARENT SIGN SHALL BE MADE OF THE SAME TYPE OF MATERIAL AS THE PARENT SIGN.

MOUNTING DETAILS FOR GROUND MOUNTED GUIDE SIGNS ARE SHOWN ON THE STANDARD PLAN SHEETS SMD SERIES. THE MOUNTING DETAIL FOR THE OVERHEAD SIGNS SHALL BE AS DETAILED ELSEWHERE IN THE PLANS OR THE SUPPLIER'S CHOICE SUBJECT TO APPROVAL BY THE ENGINEER.

GENERAL NOTES FOR SIGNS ON THIS SHEET

F6 TYPE NUMBER PANELS SHOWN ARE USUAL AND STANDARD SIZES. HOWEVER, INDIVIDUAL PANEL SIZES MAY HAVE BEEN ADJUSTED DURING PLAN PREPARATION TO FIT ACTUAL PARENT SIGN SIZES WHERE NECESSARY. PANEL SIZES TO BE FURNISHED SHOULD BE AS DETAILED ELSEWHERE IN THE PLANS AND/OR AS SHOWN ON THE SIGN TABULATION SHEETS. THE PANEL AND BACKGROUND MATERIAL SHALL BE THE SAME AS THE PARENT SIGN.

FOR F18 AND F24 TYPE SIGNS, THE BACKGROUND SHALL BE A REFLECTIVE MATERIAL ON ONE PIECE SHEET ALUMINUM ALLOY 0.080 INCH THICK CONFORMING WITH THE SPECIFICATION ITEM 704. THE F24 TYPE SIGNS SHALL BE ATTACHED TO THE GUIDE SIGN AS DETAILED ON STANDARD SHEET IM(2). THE F18 TYPE SIGN IS MOUNTED AS SHOWN ON STANDARD SHEET D & M(2).

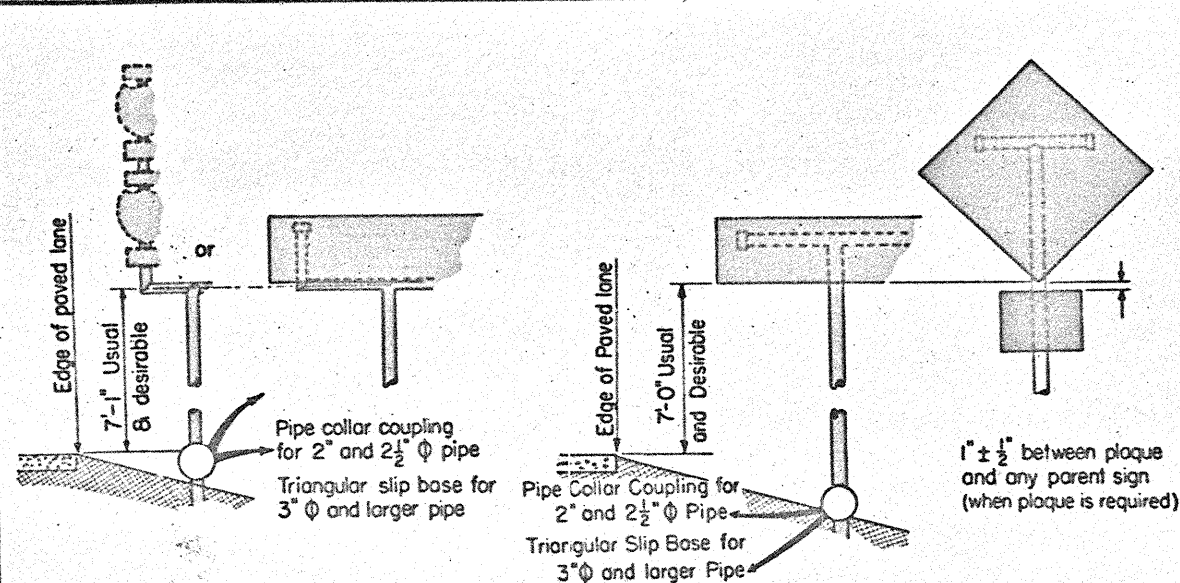


STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

INTERSTATE GUIDE SIGNS

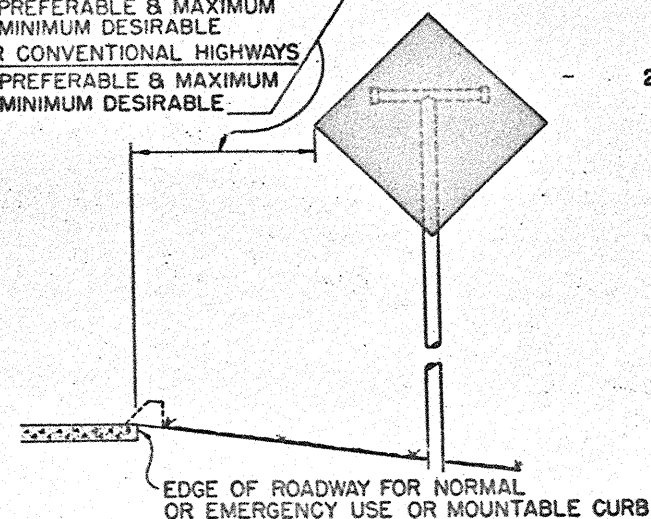
25
IE(1)

ORIGINAL DRAWING DATE: 4-78	DSF	STATE	FEDERAL	FEDERAL AID PROJECT	SHEET
DN**	REVISIONS	TX	6	40155E-0223120.00	25
CR**		COUNTY	CONTROL SECTION	JOB	HIGHWAY
DW**		DALLAS	146	3	106
CK**					

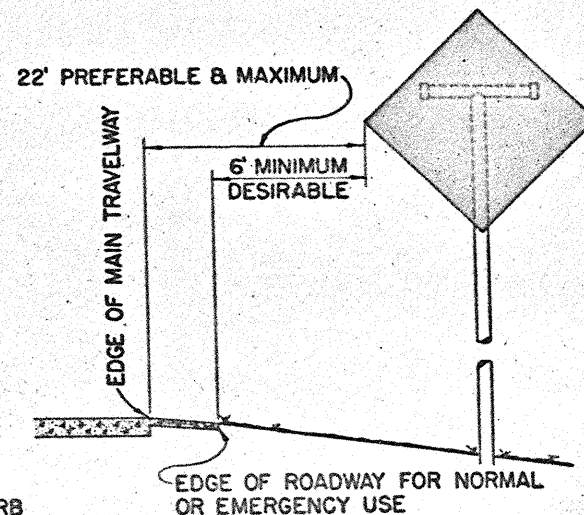


VERTICAL CLEARANCE OF SMALL SIGNS ALL TYPES OF ROADWAYS

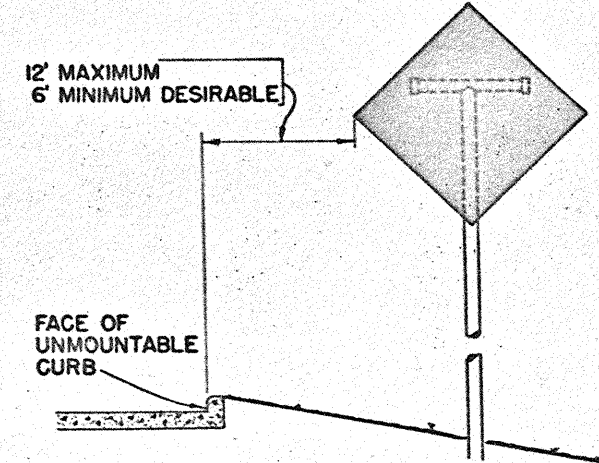
FOR EXPRESSWAYS AND FREEWAYS
18' PREFERABLE & MAXIMUM
12' MINIMUM DESIRABLE
FOR CONVENTIONAL HIGHWAYS
12' PREFERABLE & MAXIMUM
6' MINIMUM DESIRABLE



ROADWAY WITHOUT SHOULDER OR ROADWAY WITH MOUNTABLE CURB



ROADWAY WITH SHOULDER

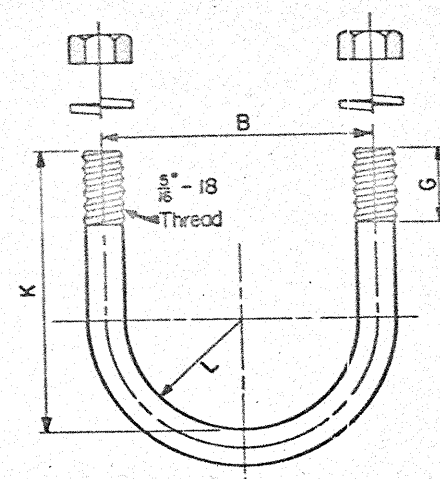


ROADWAY WITH UNMOUNTABLE CURB

LATERAL CLEARANCE OF SMALL SIGNS ALL TYPES OF ROADWAYS

- NOTES: 1. EXCEPT AS NOTED, ALL CLEARANCES APPLY TO BOTH RURAL AND URBAN LOCATIONS.
2. GENERALLY, WHERE PHYSICAL FEATURES OF THE ROADWAY WILL PERMIT, MAXIMUM LATERAL CLEARANCES ARE THE MORE DESIRABLE. FOR FRONTAGE ROADS, RAMPS AND OTHER CONNECTING ROADWAYS, LESSER CLEARANCES MAY BE USED, BUT GENERALLY NOT LESS THAN SIX FEET IS RECOMMENDED BETWEEN THE EDGE OF THE TRAVELWAY AND THE EDGE OF THE SIGN. AT INTERSECTIONS, SIGNS SHOULD BE POSITIONED IN THE MOST OPTIMUM LOCATION FOR REVIEWING BY TRAFFIC.

3. WHERE NECESSARY, AN ALLOWABLE MINIMUM CLEARANCE OF TWO FEET MAY BE USED IN RURAL AND URBAN LOCATIONS. IN URBAN LOCATIONS, AN ALLOWABLE MINIMUM CLEARANCE OF ONE FOOT MAY BE USED BEHIND UNMOUNTABLE CURBS.
4. WHERE A SIGN IS TO BE LOCATED BEHIND GUARDRAIL, THE ALLOWABLE MINIMUM CLEARANCE MAY BE USED, MEASURED FROM THE FACE OF THE GUARDRAIL TO THE NEAR EDGE OF THE SIGN.
5. LATERAL CLEARANCES OF SIGNS MOUNTED ON LEFT SIDE OF ROADWAY ARE THE SAME AS SHOWN ABOVE WHERE SPACE WILL PERMIT.



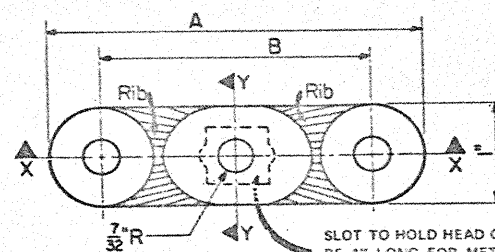
U-Bolt

U-BOLT TO BE MADE IN ACCORDANCE WITH STANDARD MANUFACTURING PROCEDURE. 9/32" DIA. STOCK IS PERMISSIBLE. AMERICAN STANDARD REGULAR SEMI-FINISHED HEX. NUTS & SPRING LOCKWASHERS.

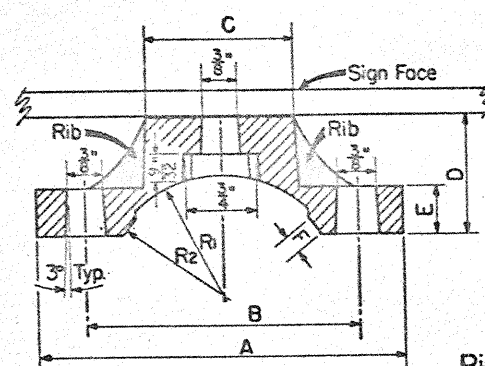
Dimensions for Mounting Clamp

Standard Pipe Size	A	B	C	D	E	F	G	K	L	R1	R2
1 1/4"	3 3/64	2 5/64	3/4	1 1/16	7/16	3/16	5/8	2 9/64	2 7/32	5 7/64	5 3/64
1 1/2"	3 9/32	2 9/32	1	1 1/16	7/16	3/16	5/8	2 7/16	6 3/64	3 1/32	1 5/16
2"	3 3/4	2 3/4	1 1/2	1 1/8	1/2	3/16	1"	2 11/16	1 3/2	1 1/4	1 3/16
2 1/2"	4 1/4	3 1/4	2"	1 1/4	1/2	1/4	1"	3 3/16	1 5/32	1 1/2	1 7/16
3"	4 7/8	3 7/8	2 1/2"	1 3/8	5/8	1/4	1"	3 13/16	1 25/32	1 13/16	1 3/4

MOUNTING CLAMP DETAILS

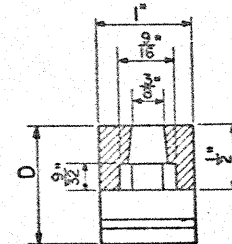


SLOT TO HOLD HEAD OF 5/16" SO. HEAD BOLT. THE BOLT SHALL BE 1" LONG FOR METAL SIGNS AND 1 1/2" LONG FOR PLYWOOD SIGNS, WITH FULL THREADS, A MEDIUM WASHER, AND GALV. STEEL OR ALUMINUM SELF-LOCKING HEX HEAD NUT. THE BOLT HEAD MUST NOT TURN IN SLOT.



Section X-X

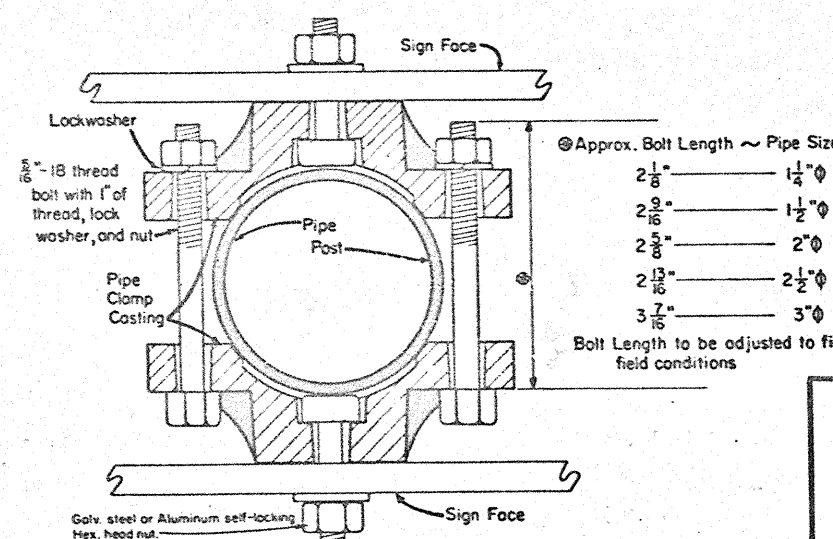
Pipe Clamp Casting



Section Y-Y

PIPE CLAMP CASTING SHALL BE ALUMINUM ALLOY A444.0 OR 356.0-F.

ALL SIGN MOUNTING CLAMP PARTS NOT MADE FROM ALUMINUM SHALL BE STAINLESS STEEL OR GALVANIZED STEEL IN CONFORMANCE WITH ITEM 442 OF THE STANDARD SPECIFICATIONS.



Typical Detail of
Back To Back Mounting Of Signs

Approx. Bolt Length ~ Pipe Size

2 1/8"	1 1/4"Ø
2 9/16"	1 1/2"Ø
2 5/8"	2"Ø
2 13/16"	2 1/2"Ø
3 7/16"	3"Ø

Bolt Length to be adjusted to fit field conditions

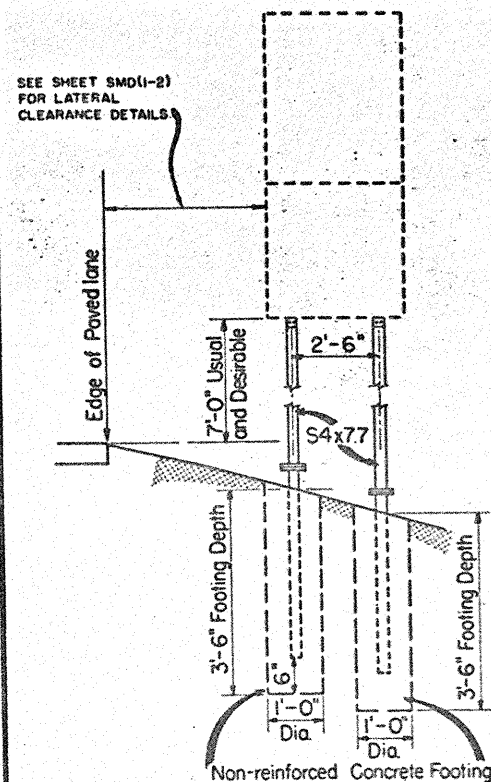


STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

PIPE MOUNTING DETAILS FOR SMALL ROADSIDE SIGNS

SMD(1-2)

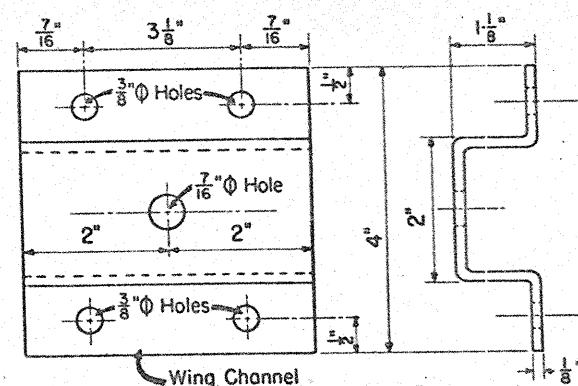
ORIGINAL DRAWING DATE: 4-78	STATE	FEDERAL	FEDERAL AID PROJECT	SHEET
8-78 Hex Nut				
	COUNTY	CONTROL SECTION	JOS	HIGHWAY



TYPE G MOUNT

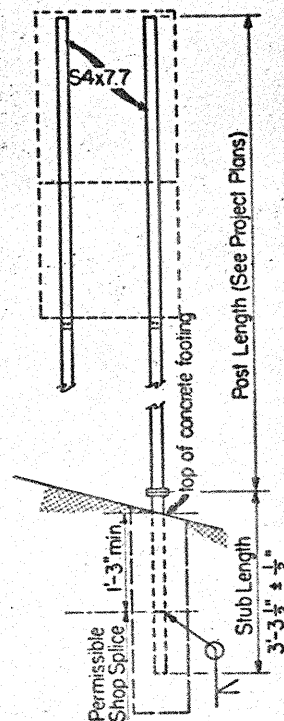
THIS TYPE BEAM MOUNT TO BE USED:

- (1) FOR SPEED LIMIT SIGN IR2-1 WHEN USED IN COMBINATION WITH IR2-2, IR2-3, AND IR2-4, OR FOR IR2-2A.
- (2) FOR DO NOT ENTER SIGN IR5-1 WHEN USED WITH WRONG WAY SIGN IR5-9. IR5-9 IS MOUNTED ABOVE IR5-1.



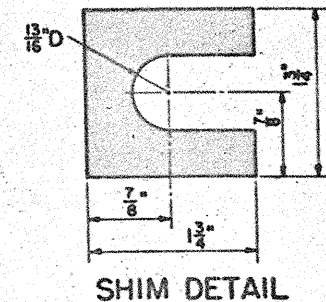
WING CHANNEL, 4" WIDTH x 1 1/8" DEPTH x 1/8" THICKNESS, SHALL BE ALUMINUM (ASTM B-221 6061-T6 OR B309 6061-T6), GALV. STEEL (ASTM A-36) OR STAINLESS STEEL (ASTM A-167 TYPE 304, NO. 2B FINISH).

WING CHANNEL CLAMP DETAIL
FOR HOLDING SIGNS TO TYPE G MOUNT



Post Weight Data
And
Permissible Shop Splice

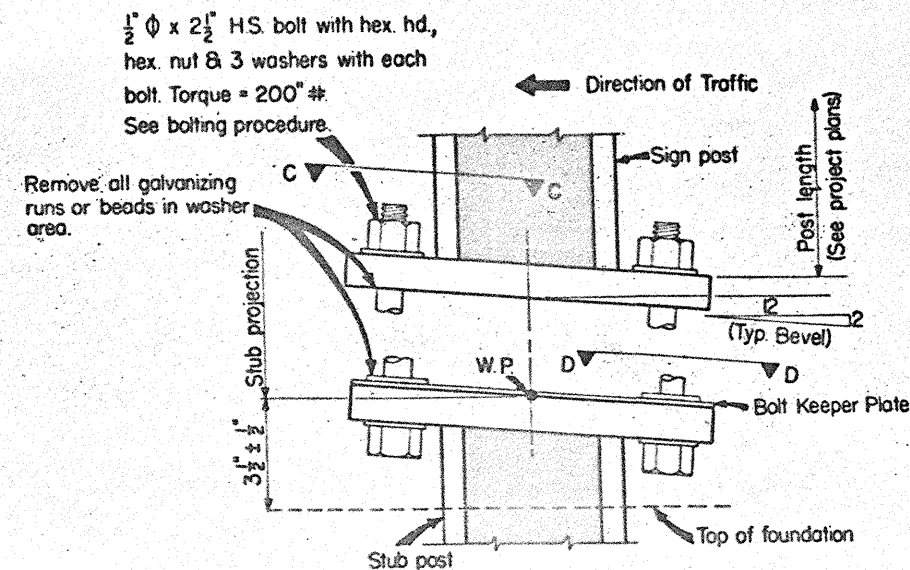
THE WEIGHT OF ONE S4x7.7 POST IS EQUAL TO 112.2 LBS. PLUS 7.7 LBS./FT. X (POST LENGTH IN FEET MINUS 10 FT.). THE WEIGHT OF 112.2 LBS. INCLUDES 10' OF POST LENGTH, POST FOUNDATION STUB, RELATED CONNECTION PLATES, FRICTION FUSE PLATE, AND ALL HIGH STRENGTH BOLTS, NUTS, AND WASHERS.



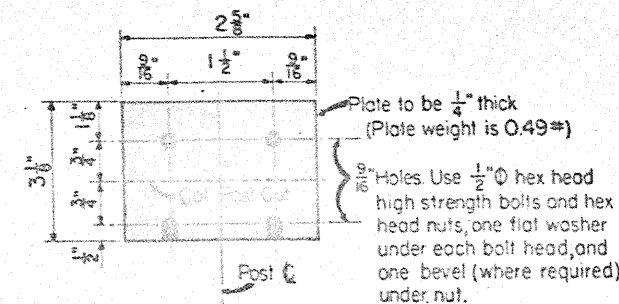
FURNISH 2" x .012" ± THICK AND 2" x .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M. -B36.

BOLTING PROCEDURE FOR ASSEMBLY OF BASE CONNECTION:

1. ASSEMBLE POST TO STUB WITH BOLTS AND WITH ONE FLAT WASHER ON EACH BOLT BETWEEN PLATES.
2. SHIM AS REQUIRED TO PLUMB POST.
3. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" TO 15" WRENCH TO BED WASHERS AND SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN BOLTS IN A SYSTEMATIC ORDER TO 200"± TORQUE. DO NOT OVERTIGHTEN.
4. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

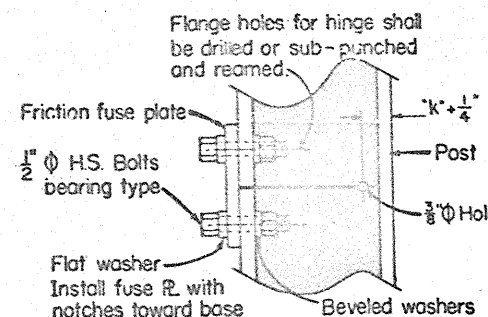


SIGN POST AND STUB POST ELEVATION
FOR TYPE G MOUNT



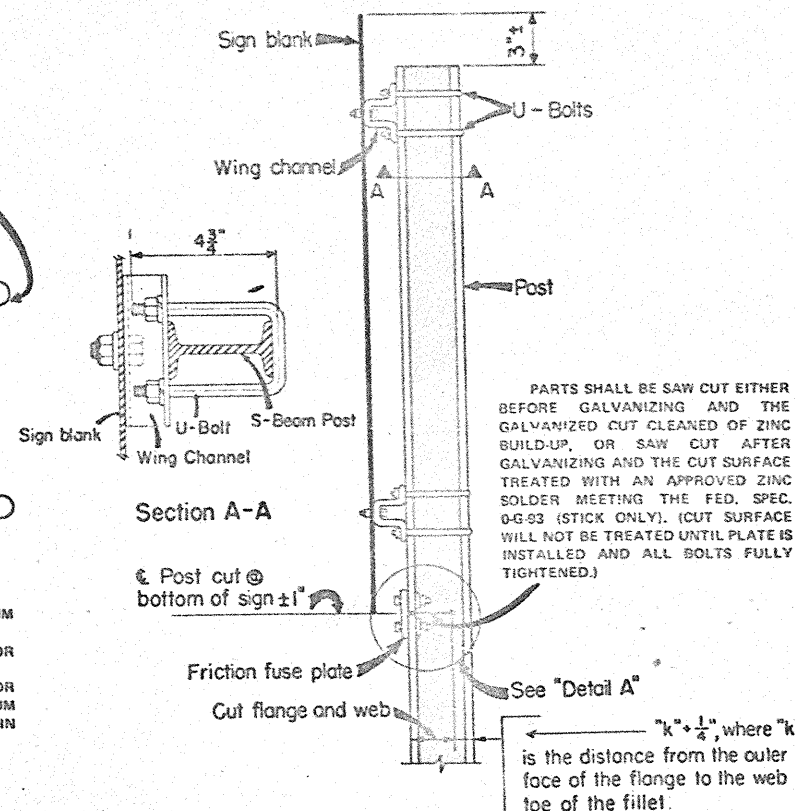
Friction Fuse Plate Detail

NOTCHED STEEL FRICTION FUSE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM-A441. (ASTM-A572 GRADE 50 OR ASTM-A588 MAY BE SUBSTITUTED FOR A441 AT THE OPTION OF THE FABRICATOR) ALL HOLES SHALL BE DRILLED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GROUND. METAL PROJECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE PERMITTED.

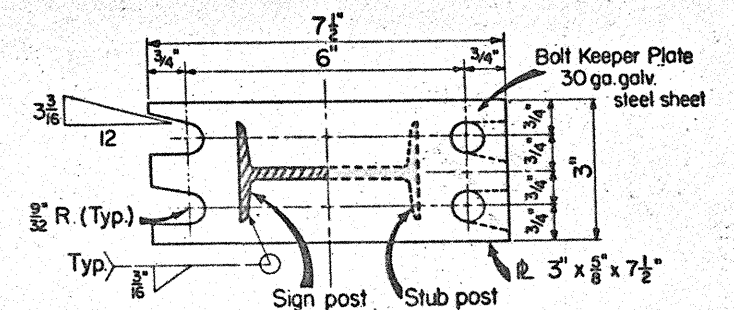


Detail "A" Hinge

FABRICATOR NOTE: IMPORTANT - ALL FRICTION FUSE BOLTS SHALL BE TIGHTENED IN THE SHOP FOLLOWING A METHOD APPROVED BY THE ENGINEER. TIGHTENING SHALL BE TO SUCH A DEGREE AS TO OBTAIN 12,050 LBS. OF MINIMUM RESIDUAL TENSION IN EACH 1/2" DIAMETER BOLT.



TYPICAL SIDE VIEW OF TYPE G MOUNT



Section C-C Section D-D

NOTE: Sections shown are for installations on right shoulder and in gore. Plate slot bevels are opposite hand from that shown for installations on left shoulder.

GENERAL NOTES:

DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS.

MATERIALS AND FABRICATION SHALL CONFORM TO THE REQUIREMENTS OF TEXAS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS AND SPECIAL SPECIFICATIONS.

ALL HIGH STRENGTH BOLTS, NUTS, AND WASHERS SHALL CONFORM TO ASTM-A325 (ASTM-A449 MAY BE SUBSTITUTED FOR ASTM-A325 PROVIDED PROPER BOLT HEAD, NUT AND/OR WASHER CLEARANCES ARE MAINTAINED).

ALL BOLTS OTHER THAN HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM-A307 CLASS A (ASTM-A394, A325 OR A449 MAY BE SUBSTITUTED FOR ASTM-A307 PROVIDED PROPER BOLT HEAD, NUT AND/OR WASHER CLEARANCES ARE MAINTAINED).

ALL STRUCTURAL STEEL, BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED AS PER ITEM 442 OF THE STANDARD SPECIFICATION. STRUCTURAL STEEL TO BE GALVANIZED AFTER FABRICATION EXCEPT AS NOTED.

STRUCTURAL STEEL SHALL CONFORM WITH THE REQUIREMENTS OF ASTM SPECIFICATION A441. (ASTM-A572 GRADE 50 OR ASTM-A588 MAY BE SUBSTITUTED FOR A441 AT THE OPTION OF THE FABRICATOR).

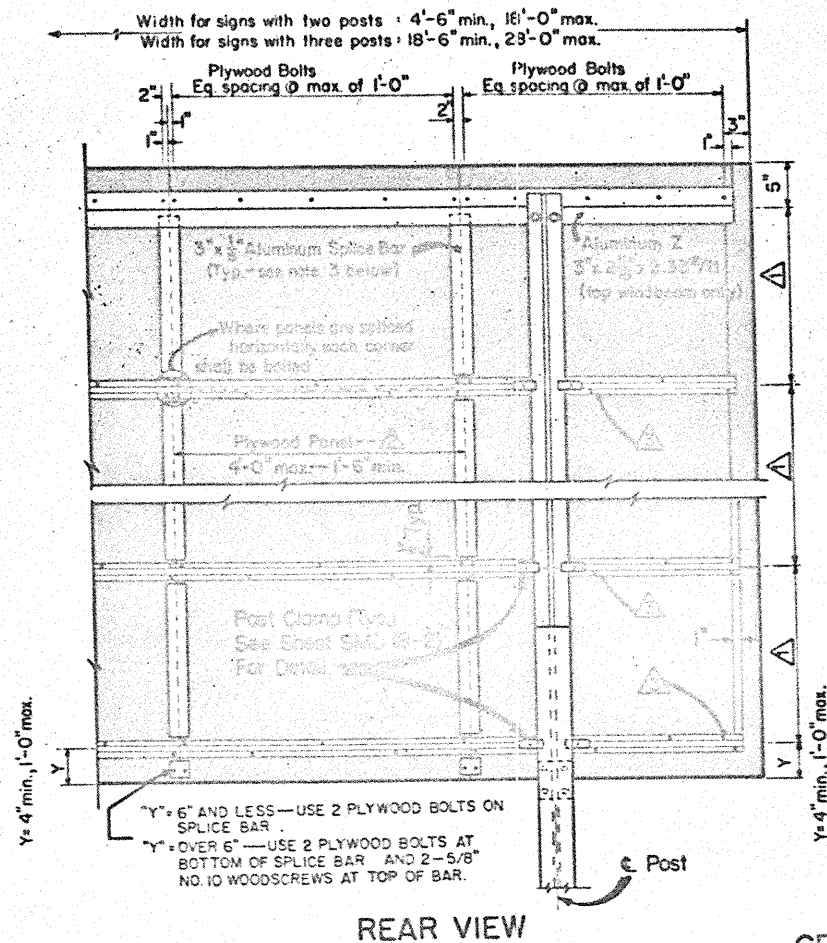
GALVANIZING OF ALL POSTS SHALL BE PROJECTION ABOVE CONCRETE PLUS 8" MINIMUM.

WHERE SOLID ROCK IS ENCOUNTERED, FOOTING SHALL BE PLAN DEPTH OR EXTEND TWO FEET MINIMUM INTO THE ROCK.

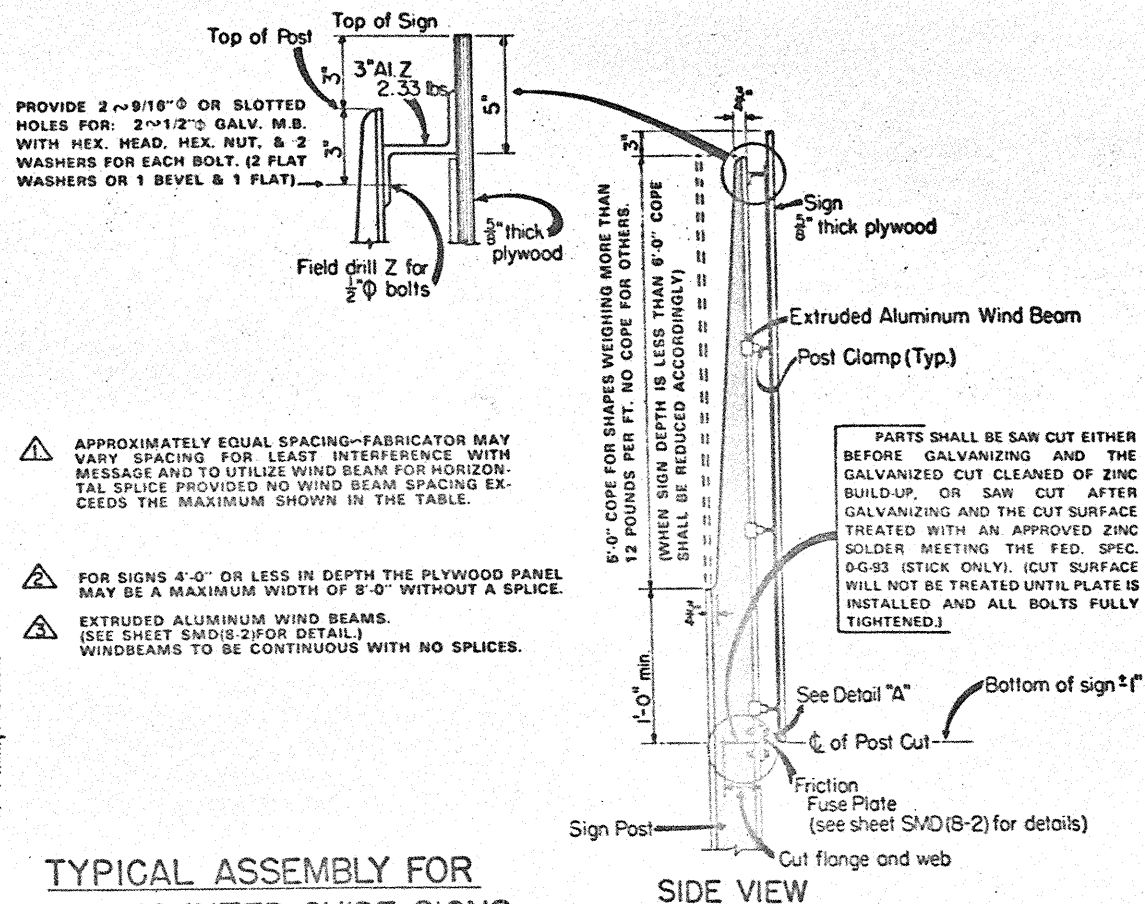
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION
STRUCTURAL

MOUNTING DETAILS 27
FOR LARGE REGULATORY SIGNS
SMD(2)

ORIGINAL DRAWING DATE: 5-74		DSF	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET		
OK-1	REVISIONS		14	1	401 300 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000			
CK-2	4-75 "no cut" depth note							
CK-3	6-75 hinge hole							
CK-4	4-78 SIGN LOCATION							
CK-5	6-78 Hex Nut							



REAR VIEW



TYPICAL ASSEMBLY FOR GROUND MOUNTED GUIDE SIGNS

NOTE:

1. A TOLERANCE OF PLUS OR MINUS 1/4 INCH WILL BE PERMITTED IN THE PLAN DIMENSIONS FOR FABRICATION OF EACH SINGLE INCREMENT SIGN PANEL WHEN NECESSARY FOR SQUARING. A TOLERANCE OF PLUS OR MINUS 1/4 INCH WILL BE PERMITTED FOR EACH INCREMENT OF A MULTI-INCREMENT SIGN PANEL WHERE NECESSARY TO SECURE SQUARE, TIGHT-FITTING JOINTS.
2. PLYWOOD BOLTS 5/16" x 1 1/2" FLAT HEAD ELEVATOR TYPE STEEL BOLT WITH 3/4" MINIMUM THREAD LENGTH. THE HEAD SHALL HAVE A MINIMUM DIAMETER OF 3/4" AND SHALL HAVE A MINIMUM OF TWO FINS ON THE UNDERSIDE. EACH BOLT SHALL BE PROVIDED WITH ONE 5/16" STEEL HEX

NUT, ONE 5/16" STEEL FLAT WASHER AND ONE 5/16" STEEL LOCK WASHER. BOLTS, NUTS, AND WASHERS SHALL BE HOT DIPPED GALVANIZED AS PER ITEM 442 OF STANDARD SPECIFICATIONS.

3. SPLICE BARS SHALL BE SECURED WITH 5/8" LONG x NO. 10 ROUND HEAD, CADMIUM PLATED, BRASS WOOD SCREWS SPACED AT 6" MAXIMUM ALONG DOUBLE ROW SPACING WITH THE EXCEPTION AT EXTREME ENDS OF SPLICE BARS. ALONG OUTSIDE EDGE OF SIGN, WHERE PLYWOOD BOLTS SHALL BE USED AS SHOWN. A MAXIMUM OF ONE HORIZONTAL JOINT PER VERTICAL SECTION WILL BE PERMITTED USING A 1/8" GAP BETWEEN PANELS AND AN ALUMINUM WASHER BETWEEN THE SPLICE PLATE AND THE PLYWOOD.

WIND BEAM TABLES

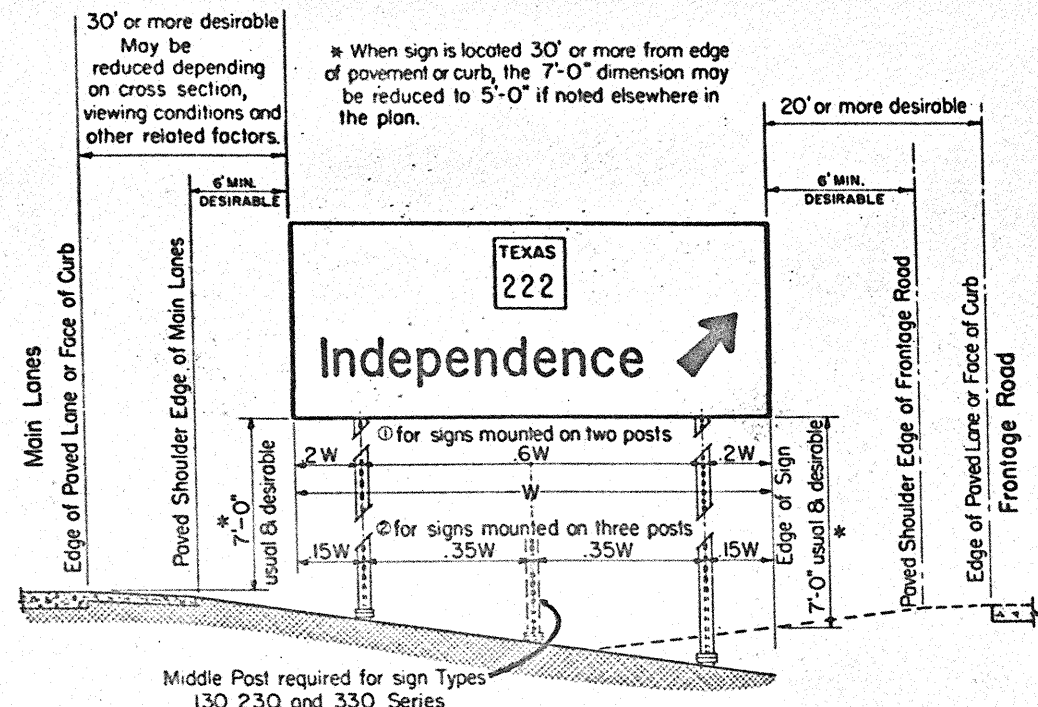
NOTE: WIND BEAM SPACINGS FOR SIGN WIDTHS OTHER THAN EVEN FEET, SELECT FROM NEXT LONGER EVEN FEET.

ZONE 1 (Types 100)		Two Posts (120)							Three Posts (130)										
Sign Width (W)		4' thru 12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'	25'	26'	27'	28'	
Max Wind Beam Spacing A		4'-0"	3'-8"	3'-4"	3'-0"	2'-8"	2'-4"	2'-0"	4'-0"	3'-9"	3'-6"	3'-3"	3'-0"	2'-9"	2'-6"	2'-3"	2'-0"		

ZONE 2 (Types 200)		Two Posts (220)				Three Posts (230)							
Sign Width(W)		4' thru 16'		17'	18'	19' thru 24'		25'	26'	27'	28'		
Max Wind Beam Spacing, A		4'-0"		3'-9"	3'-6"	4'-0"		3'-9"	3'-6"	3'-3"	3'-0"		

ZONE 3 (Types 300)		Two Posts (320)				Three Posts (330)			
Sign Width (W)		4' thru 18'				19' thru 28'			
Max Wind Beam Spacing		4'-0"				4'-0"			

Wind Design Zone
Series No.
(Zero Denotes Plywood)
No. of Posts
SIGN TYPE-130
CODE



TYPICAL SIGN INSTALLATION AND LOCATION

LATERAL CLEARANCE NOTES:

1. LATERAL CLEARANCES OF SIGNS MOUNTED ON MEDIAN SIDE OF MAIN LANES ARE THE SAME AS SHOWN ABOVE WHERE SPACE WILL PERMIT.
2. WHERE A SIGN IS TO BE LOCATED BEHIND GUARDRAIL, AN ALLOWABLE MINIMUM CLEARANCE OF TWO FEET MAY BE USED, MEASURED FROM THE FACE OF THE GUARDRAIL TO THE NEAR EDGE OF THE SIGN.

POST SPACING NOTES:

1. POST SPACINGS MAY BE VARIED A MAXIMUM OF PLUS 10% TO MINUS 10% OF TOTAL SIGN WIDTH TO FIT FIELD CONDITIONS.
2. POST SPACINGS MAY BE VARIED A MAXIMUM OF PLUS 5% TO MINUS 5% OF TOTAL SIGN WIDTH TO FIT FIELD CONDITIONS.

GENERAL NOTES:

DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS.

MATERIALS AND FABRICATION SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT'S STANDARD SPECIFICATIONS AND SPECIAL SPECIFICATIONS.

ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM-A441 (ASTM-A572 GRADE 50, OR ASTM-A588 MAY BE SUBSTITUTED FOR A441 AT THE OPTION OF THE FABRICATOR).

ALL SHEET AND PLATE ALUMINUM SHALL CONFORM TO ASTM-B209 ALLOY 6061-T6. ALL EXTRUDED ALUMINUM SHALL CONFORM TO ASTM-B221 ALLOY 6061-T6. CAST ALUMINUM POST CLAMPS SHALL CONFORM TO ASTM-B26 ALLOY 356.0, ASTM-B108 ALLOY 356.0, ASTM-B26 ALLOY 713.0, OR ASTM-B108 ALLOY 713.0.

ALL HIGH STRENGTH BOLTS, NUTS, AND WASHERS SHALL CONFORM TO ASTM-A325 (ASTM-A449 MAY BE SUBSTITUTED FOR ASTM-A325 PROVIDED PROPER BOLT HEAD, NUT AND/OR WASHER CLEARANCES ARE MAINTAINED).

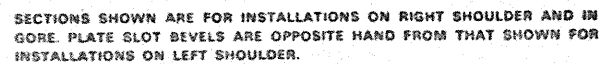
ALL BOLTS OTHER THAN HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM-A307 CLASS A (ASTM-A394, A325 OR A449 MAY BE SUBSTITUTED FOR ASTM-A307 PROVIDED PROPER BOLT HEAD, NUT AND/OR WASHER CLEARANCES ARE MAINTAINED).

ALL STRUCTURAL STEEL, BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED AS PER ITEM 442 OF THE STANDARD SPECIFICATIONS EXCEPT AS NOTED. STRUCTURAL STEEL TO BE GALVANIZED AFTER FABRICATION EXCEPT AS NOTED.

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

STRUCTURAL MOUNTING DETAILS 27 FOR ROADSIDE GUIDE SIGNS SMD(8-1)

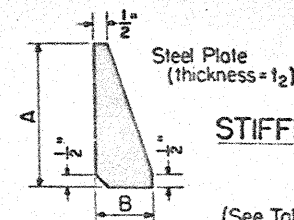
ORIGINAL DRAWING DATE: 4-78		DSF	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
DR--	REVISIONS					27
CK--						
DR--			COUNTY	CONTROL SECTION	JOB	HIGHWAY
CK--			DALLAS	14	2	104



SIGN POST AND STUB POST



STIFFENER PLATE DETAIL



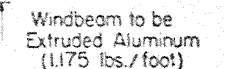
1. ASSEMBLE POST TO STUB WITH BOLTS AND WITH ONE FLAT WASHER ON EACH BOLT BETWEEN PLATES.
2. SHIM AS REQUIRED TO PLUMB POST.
3. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" TO 15" WRENCH TO BED WASHERS AND SHIMS AND TO CLEAN BOLT THREADS THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE (SEE TABLE)
4. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

Dimensions Post Size	Base Connection Data Table									Friction Fuse Plate Data Table										Bolt Keeper Data		Foundation Data					
	Bolt Size & Torque	A	B	C	D	E	I ₁	I ₂	R	F	G	H	J	K	L	N	d ₁	I ₃	Bolt Dia	Wt of Each Fuse Plate	P	S	U	Stub Length	Stub Projection	Dr Shaft Diameter	Bar Size
W6x9	$\frac{3}{8}" \phi \times 2\frac{3}{4}"$ Torque = 450 #ft	5"	2"	$1\frac{1}{4}"$	$2\frac{3}{4}"$	$\frac{1}{8}"$	$\frac{3}{4}"$	$\frac{1}{4}"$	$\frac{11}{32}"$	$3\frac{5}{8}"$	2"	$1\frac{1}{8}"$	4"	$2\frac{1}{4}"$	$\frac{7}{8}"$	$\frac{1}{2}"$	$\frac{9}{16}"$	$\frac{1}{4}"$	$\frac{1}{2}" \phi$.94 lbs	$8\frac{1}{2}"$	1"	$9\frac{7}{8}"$	2'-0"	3"	24"	#5
W6x12										$8\frac{1}{2}"$	$10"$	2'-0"	3"	#5													
W6x15										$8\frac{1}{2}"$	$10"$	2'-6"	3"	#6													
W8x18										$10\frac{1}{2}"$	$12\frac{1}{2}"$	2'-6"	3"	#													
W8x21										$11"$	$12\frac{3}{4}"$	3'-0"	$2\frac{1}{2}"$	#													
W10x22										$12\frac{3}{4}"$	$14\frac{1}{4}"$	3'-0"	$2\frac{1}{2}"$	#													
W10x26										$13\frac{1}{2}"$	$14\frac{3}{4}"$	3'-0"	$2\frac{1}{2}"$	#													
W12x26	Torque = 750 #ft	6"	$2\frac{1}{4}"$	$\frac{1}{8}"$	$3\frac{1}{2}"$	$\frac{1}{4}"$	1"	$\frac{3}{4}"$	$\frac{13}{32}"$	$5\frac{1}{4}"$	3"	$\frac{1}{2}"$	$5\frac{1}{2}"$	$2\frac{3}{4}"$	$1\frac{1}{2}"$	$\frac{3}{4}"$	$\frac{11}{16}"$	$\frac{1}{2}"$	$\frac{3}{4}" \phi$	3.68 lbs	$15\frac{1}{2}"$	$\frac{1}{2}"$	$14\frac{1}{2}"$	3'-0"	$2\frac{1}{2}"$	#	
S3x5.7	$5\frac{1}{4}"$									3"	$\frac{1}{2}"$	$5\frac{1}{2}"$	$3\frac{1}{2}"$	$1\frac{1}{2}"$	$\frac{3}{4}"$	$\frac{13}{16}"$	$\frac{1}{2}"$	$\frac{3}{4}" \phi$	4.14 lbs	15"	$6\frac{3}{4}"$	3'-0"	$2\frac{1}{2}"$	#			
W12x26	$5\frac{1}{4}"$									3"	$\frac{1}{2}"$	$5\frac{1}{2}"$	$3\frac{1}{2}"$	$1\frac{1}{2}"$	$\frac{3}{4}"$	$\frac{13}{16}"$	$\frac{1}{2}"$	$\frac{3}{4}" \phi$	4.14 lbs	15"	$6\frac{3}{4}"$	3'-0"	$2\frac{1}{2}"$	#			
S4x7.7	$5\frac{1}{4}"$									3"	$\frac{1}{2}"$	$5\frac{1}{2}"$	$3\frac{1}{2}"$	$1\frac{1}{2}"$	$\frac{3}{4}"$	$\frac{13}{16}"$	$\frac{1}{2}"$	$\frac{3}{4}" \phi$	4.14 lbs	15"	$6\frac{3}{4}"$	3'-0"	$2\frac{1}{2}"$	#			
S3x5.7	$\frac{1}{2}" \phi \times 2\frac{1}{2}"$	See Detail Below								$3\frac{5}{8}"$	$1\frac{1}{2}"$	$\frac{1}{8}"$	$2\frac{5}{8}"$	$1\frac{1}{2}"$	$\frac{9}{16}"$	$\frac{1}{2}"$	$\frac{9}{16}"$	$\frac{1}{4}"$	$\frac{1}{2}" \phi$	0.49 lbs	See Detail Below		3'-3 $\frac{1}{2}"$	3 $\frac{1}{2}"$	12"	*non vented	
S4x7.7	Torque = 200 #ft									$3\frac{5}{8}"$	$1\frac{1}{2}"$	$\frac{1}{8}"$	$2\frac{5}{8}"$	$1\frac{1}{2}"$	$\frac{9}{16}"$	$\frac{1}{2}"$	$\frac{9}{16}"$	$\frac{1}{4}"$	$\frac{1}{2}" \phi$	0.49 lbs	See Detail Below		3'-3 $\frac{1}{2}"$	3 $\frac{1}{2}"$	12"	*	

FOUNDATION DESIGN SHALL BE THE SAME AS THAT SHOWN FOR LARGE REGULATORY SIGN ON SHEET SMD (2).



Beam flange of W and S shapes: $\frac{5}{16}$ " leg of clamp
toward W and S shapes 12 lbs./ft. and less.

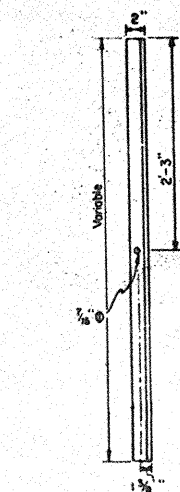
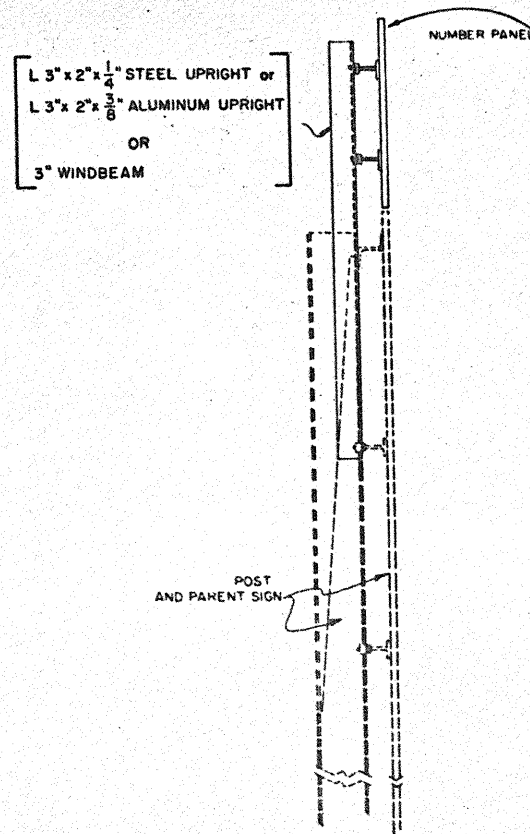
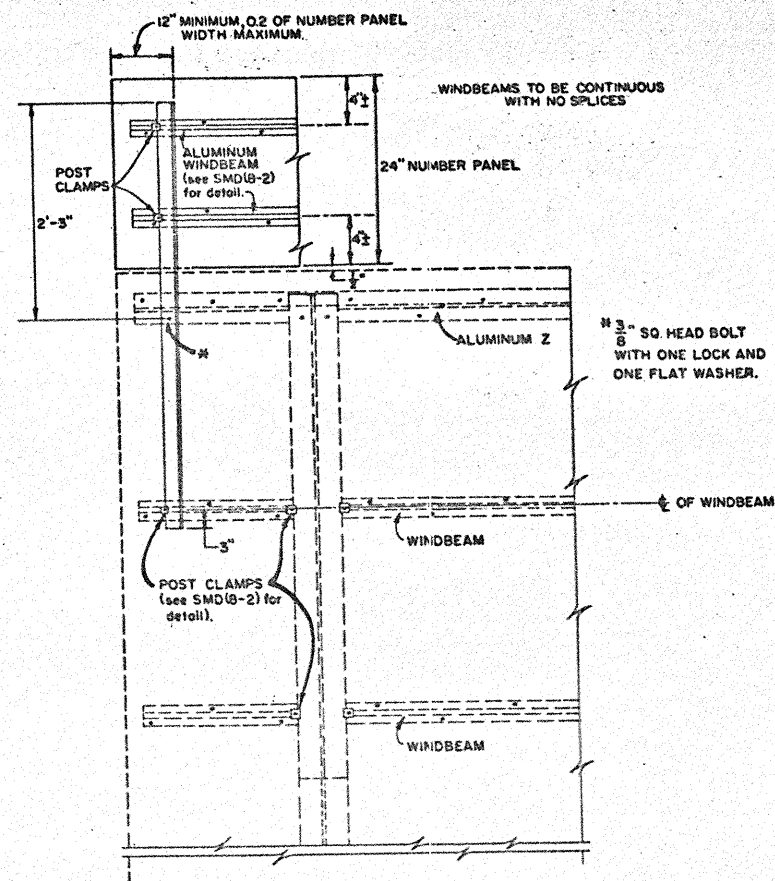


For General Notes pertaining to this sheet see the General Notes on Standard Sheet SMD(8-1).

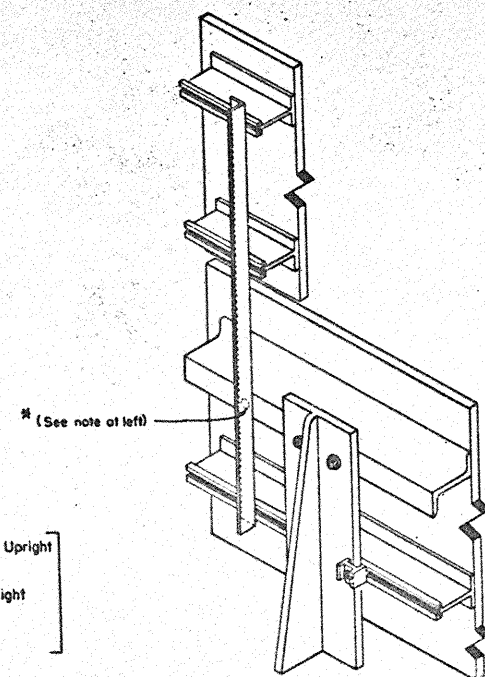
MOUNTING DETAILS 29

SMD(8-2)

ORIGINAL DRAWING DATE: 4-78		CSF	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT		SHEET
DN--	REVISIONS		COUNTY		CONTR. SECTION	JOB	REMARKS
CK--			PAINTS		100	5	100
DN--							
CK--							



$L 3" \times 2" \times \frac{1}{4}"$ STEEL UPRIGHT or
 $L 3" \times 2" \times \frac{3}{8}"$ ALUMINUM UPRIGHT
 OR
 3" WINDBEAM

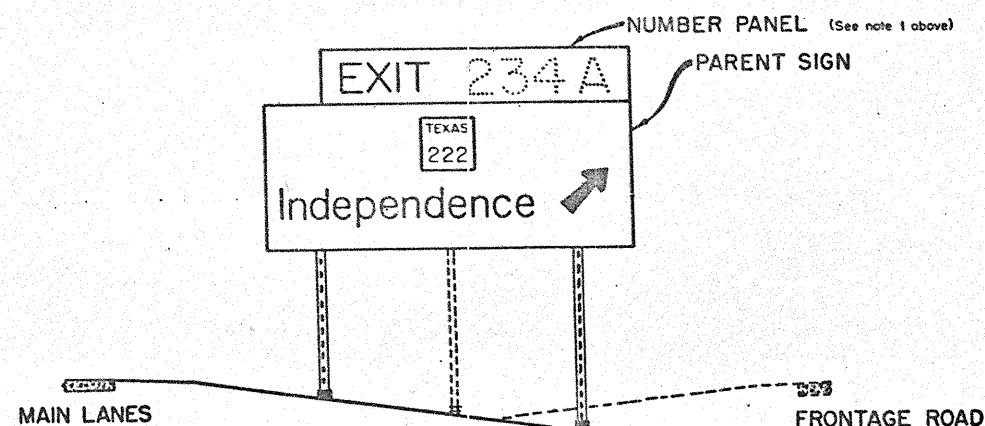


OF ROADSIDE SIGN

NOTES:

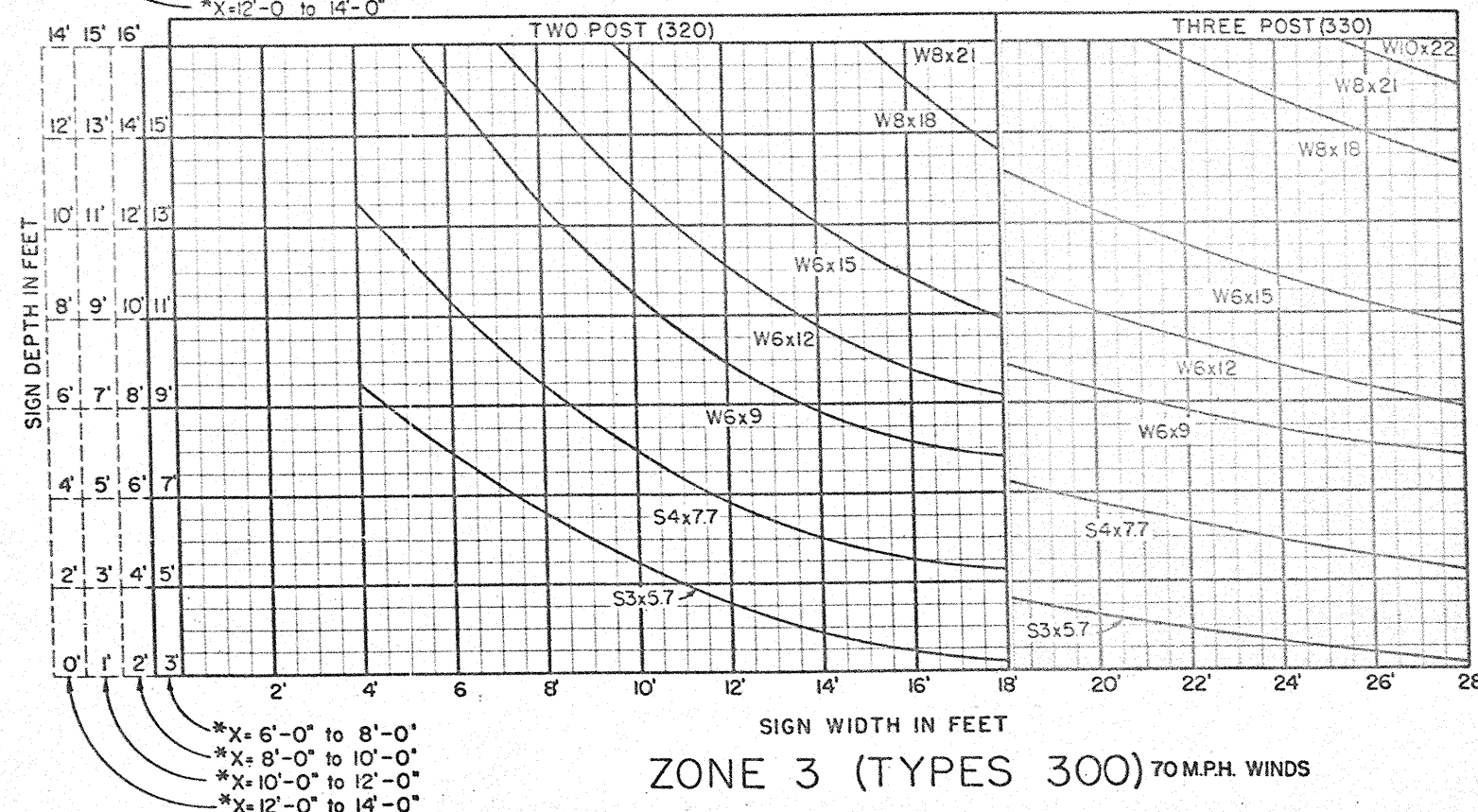
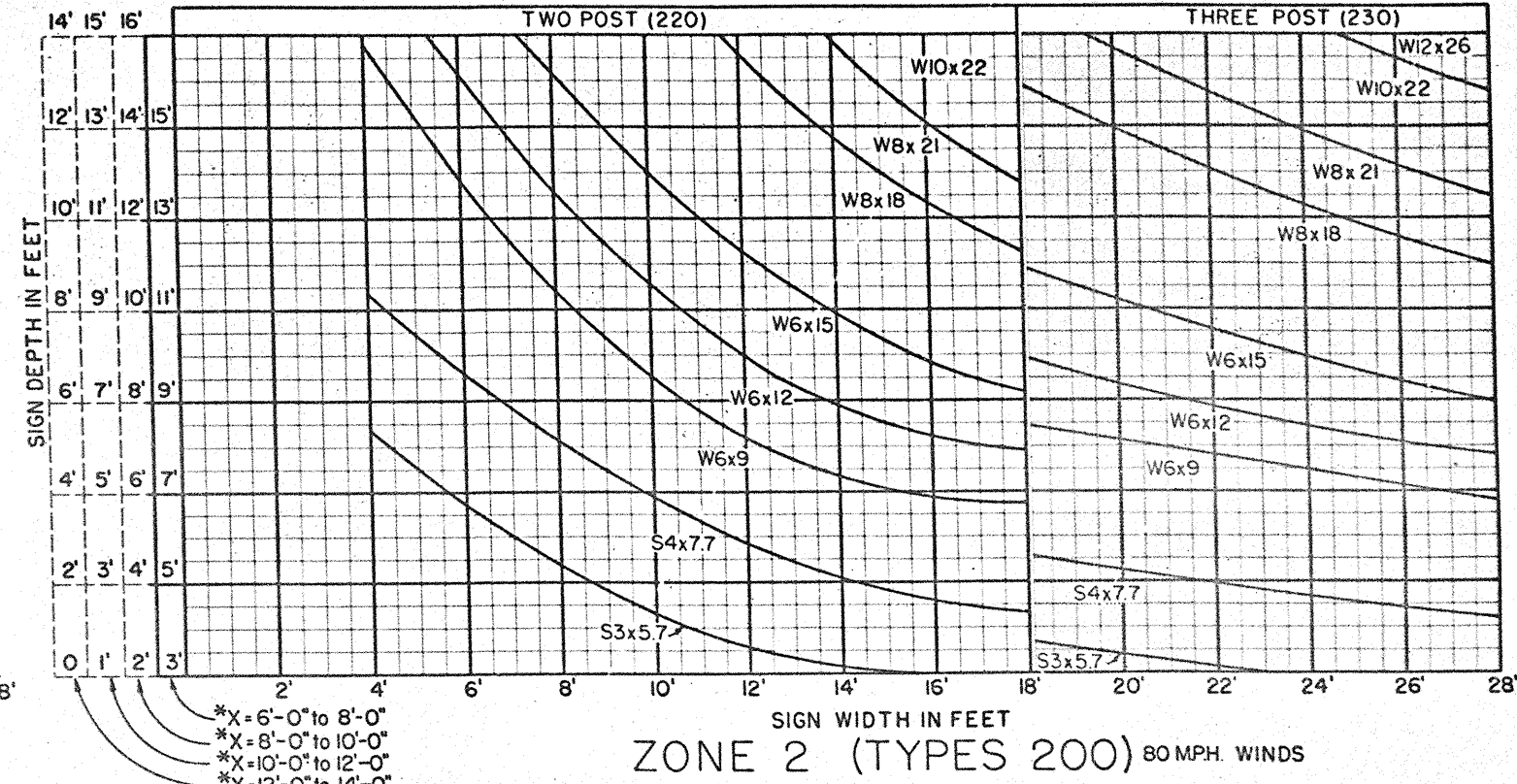
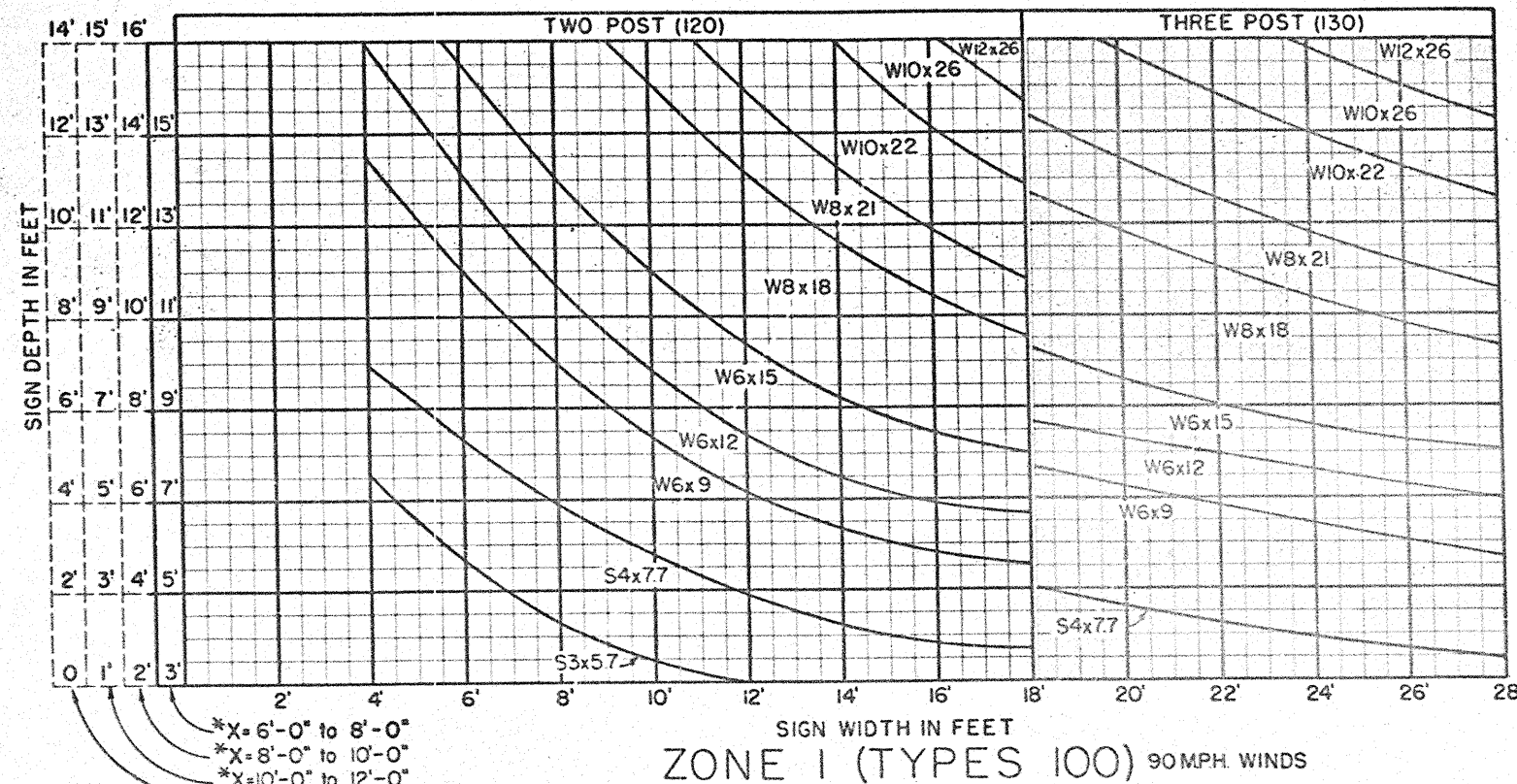
1. NUMBER PANEL SHALL BE MOUNTED TO THE RIGHT HAND SIDE OF THE PARENT SIGN FOR RIGHT EXITS AND TO THE LEFT FOR LEFT HAND EXITS. THE NUMBER PANEL SHALL BE MOUNTED WITH TWO (2) UPRIGHTS SO THAT ITS RIGHT EDGE IS EVEN WITH THE RIGHT EDGE OF THE PARENT SIGN OR VICE-VERSA FOR LEFT HAND EXITS.
2. UPRIGHTS TO BE SYMMETRICAL ABOUT NUMBER PANEL.
3. UPRIGHT TO BE OF STRUCTURAL STEEL, ASTM-A36, AND HOT DIP GALVANIZED AFTER FABRICATION OR ALUMINUM 6061-T6 OR 3" EXTRUDED ALUMINUM WINDBEAMS DETAILED ON SMD(8-2).
4. BOLTS, NUTS, AND WASHERS TO BE OF STEEL ASTM-A307 AND HOT DIP GALVANIZED AS PER THE STANDARD SPECIFICATIONS.
5. WHEN SPLICE BARS ARE REQUIRED TO FABRICATE THE NUMBER PANEL, THE SPLICE BAR DETAIL AS SHOWN FOR THE PARENT SIGN ON SHEET SMD(8-1) IS TO BE USED. SPLICE BAR OR BARS ON NUMBER PANEL NEED NOT ALIGN WITH SPLICE BAR OR BARS ON PARENT SIGN.
6. POSTS, PARENT SIGN PANELS AND NUMBER PANELS SHALL COMPLY WITH NOTES ON SHEETS SMD(8-1) AND SMD(8-2).
7. SIGNS (SUCH AS EXIT NUMBER PANELS) ATTACHED ABOVE A PARENT SIGN SHALL BE MADE OF THE SAME TYPE OF MATERIAL AS THE PARENT SIGN.
8. UPRIGHTS AND OTHER CONNECTION HARDWARE REQUIRED TO FASTEN EXIT NUMBER PANEL TO PARENT SIGN SHALL BE SUBSIDIARY TO THE SIGN BLANK.

NUMBER PANEL MOUNTING DETAILS



TYPICAL SIGN INSTALLATION FOR A RIGHT EXIT

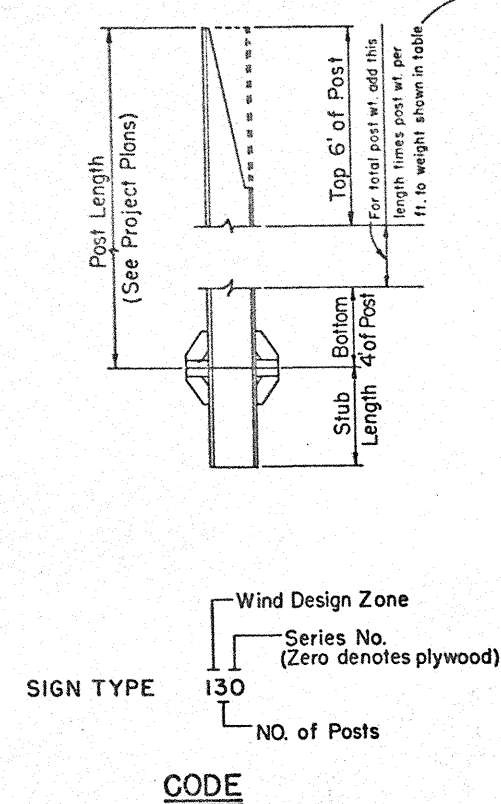
		STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION STRUCTURAL MOUNTING DETAILS FOR ROADSIDE GUIDE SIGNS SMD(8-3)		30
ORIGINAL DRAWING DATE 4-78 DESIGNED BY CHECKED BY DRAWN BY IN CHARGE	REVISIONS 1 2 3	STATE DISTRICT FEDERAL REGION COUNTY FEDERAL AID PROJECT FEDERAL AID PROJECT NO.	SHEET 18A	ROADWAY JOB



* NOTE: "X" EQUALS THE AVERAGE HEIGHT FROM THE GROUND LINE TO THE BOTTOM EDGE OF THE SIGN.

SHADED AREA DENOTES 3 POST SUPPORTS.

Note: Footings for S3x5.7 and S4x7.7 post sizes shall be non-reinforced, while footings for all other post sizes shall be reinforced.



POST WEIGHT DATA			
POST SIZE	WEIGHT OF ONE POST (#)	WEIGHT OF TWO POSTS (#)	WEIGHT OF THREE POSTS (#)
W6x9*	123.2	246.4	369.6
W6x12*	160.3	320.6	480.9
W6x15*	167.8	335.6	503.4
W8x18*	201.8	403.6	605.4
W8x21*	254.7	509.4	764.1
W10x22*	266.0	532.0	798.0
W10x26*	308.0	616.0	924.0
W12x26*	308.6	617.2	925.8
S3x5.7*	85.9	171.8	257.7
S4x7.7*	112.2	224.4	336.6

* LAST FIGURES = POST WT. PER FT.

Weight Data is the weight of items shown for one, two, or three posts—(includes top 6' of post, bottom 4' of post, post foundation stub, related base connection plates and stiffeners, Friction Fuse Plate and all high strength bolts, nuts and washers).

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

ROADSIDE GUIDE SIGN POST SELECTION WORKSHEET

SMD(8W1)

ORIGINAL DRAWING DATE: 4-78

REVISIONS

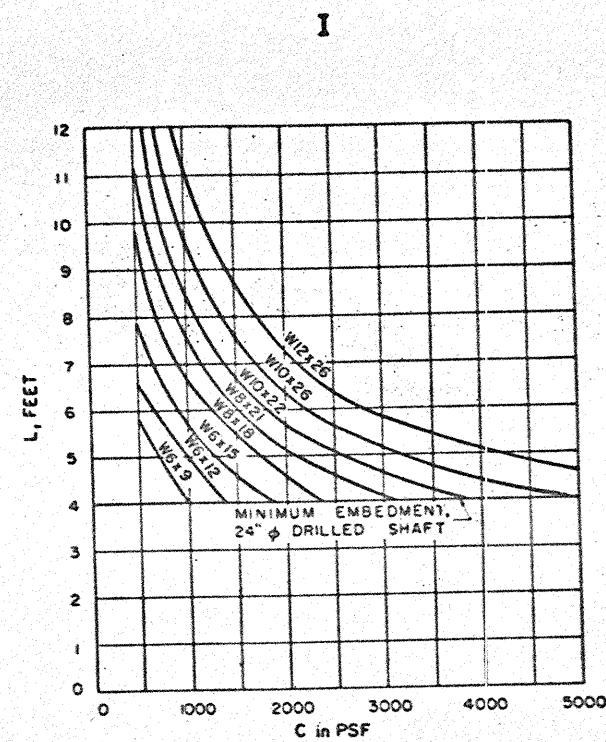
STATE DISTRICT REGION

COUNTY

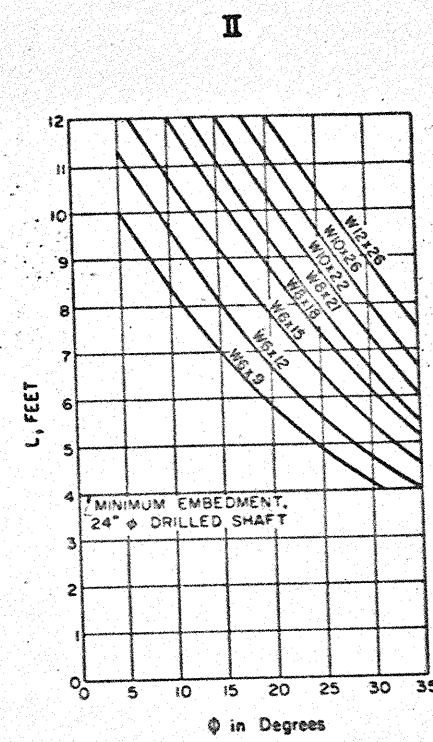
CONTROL SECTION

JOB

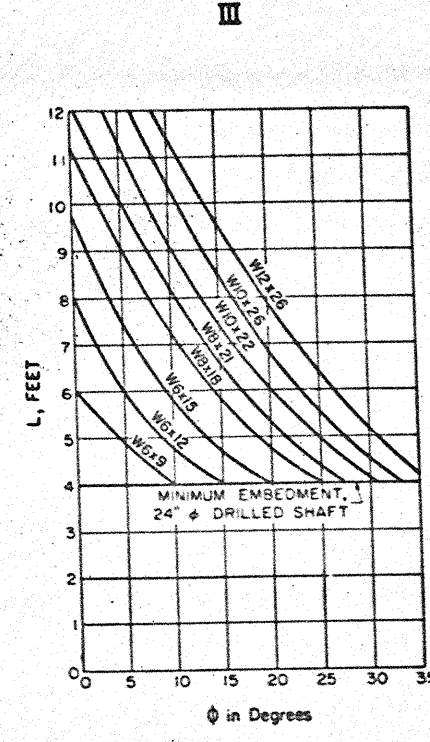
19A



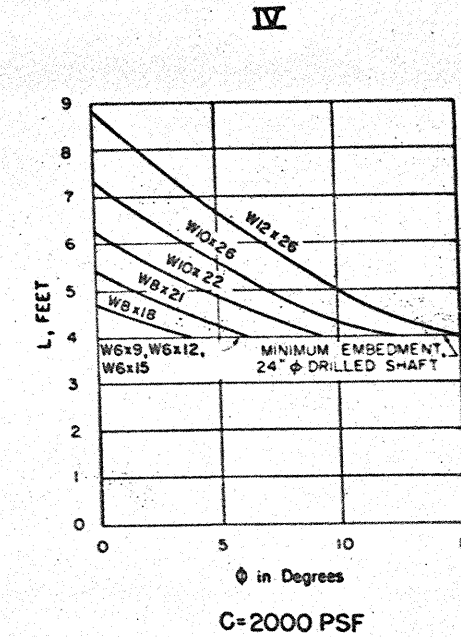
$\Phi = 0$ Degrees



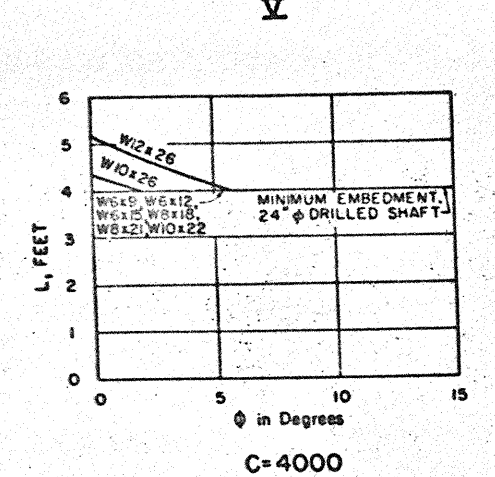
C = 0 PSF



C = 500 PSF



C = 2000 PSF



C = 4000

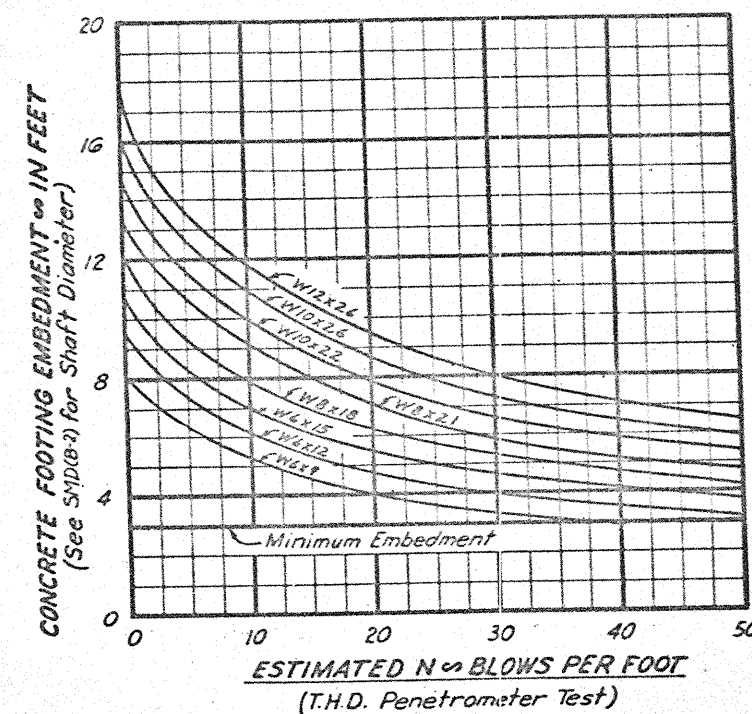
LEGEND:

- L = Required embedment of concrete drilled shaft, in feet
- C = Cohesive shear strength of soil, in psf
- Φ = Angle of internal friction of soil, in degrees

For values of C and Φ which are intermediate to those on the charts, embedments may be determined by straight-line interpolation.

DRILLED CONCRETE FOOTING DEPTH CHART (COHFRIC DESIGN)

NOTE: THESE CHARTS MAY BE USED AS AN ALTERNATE TO THE CHART BELOW, PROVIDED THAT SOIL COHESION AND INTERNAL FRICTION (COHFRIC) DATA ARE AVAILABLE.



DRILLED CONCRETE FOOTING DEPTH CHART (THD PENETROMETER DESIGN)

NOTE: ESTIMATED N SHOULD BE BASED AT APPROXIMATELY THE UPPER ONE-THIRD POINT OF THE DRILLED CONCRETE FOOTING BELOW THE GROUND LINE

Note:

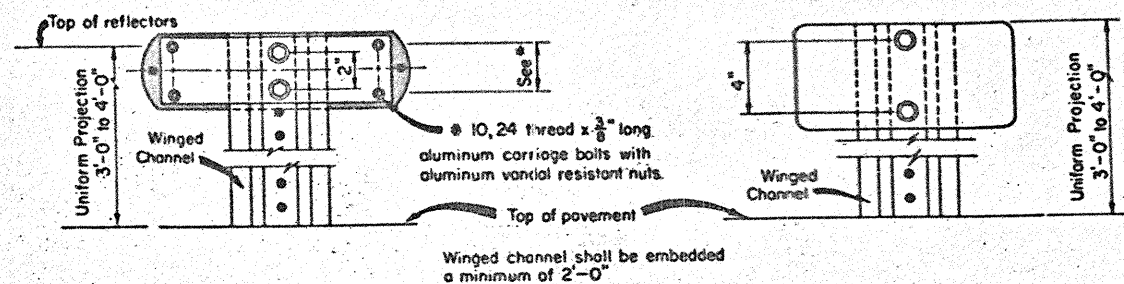
1. Curves shown on this sheet are applicable for reinforced concrete footings only.



STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION
ROADSIDE GUIDE SIGN
FOUNDATION
WORKSHEET

32
SMD(8W2)

ORIGINAL DRAWING DATE: 7-72	BSF	STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
5-74, 31 & 41 deleted					
4-78, STEEL DESIGNATIONS		COUNTY	CONTROL SECTION	JOB	HIGHWAY

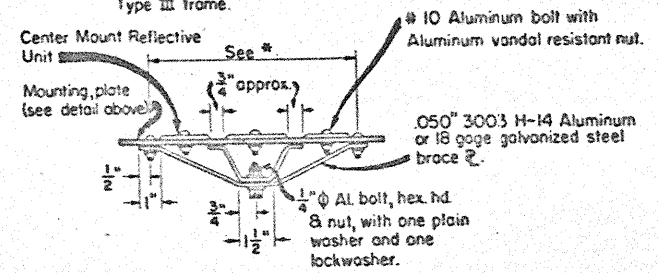


Type IV-A
Center Mount Units

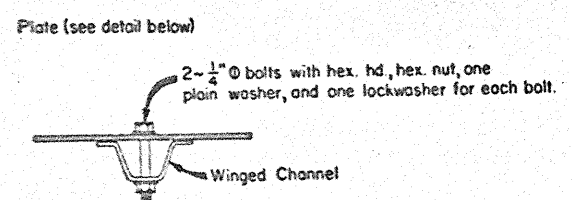
Type IV-B
High Specific Intensity Reflector Units

REAR ELEVATION

* NOTE: This dimension same as that for Clearance Marker Type III frame.



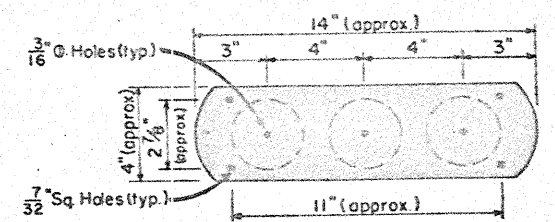
Type IV-A
Center Mount Units



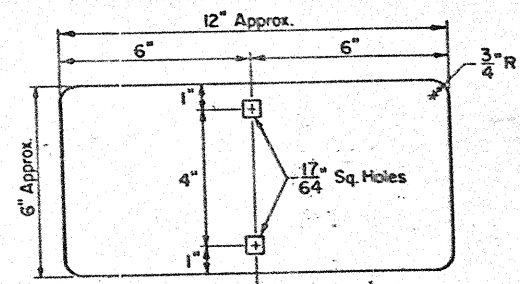
Type IV-B
High Specific Intensity Reflector Units

PLAN VIEW

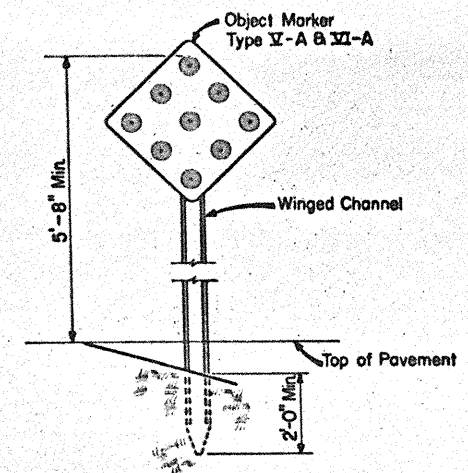
OBJECT MARKER-TYPE IV-A & IV-B



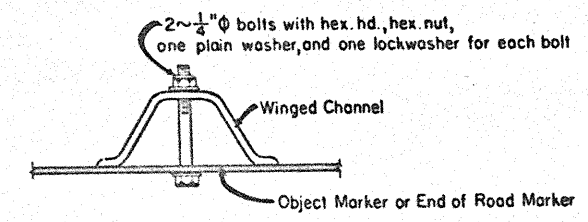
Mounting Plate For Object Marker Type IV-A
The mounting plate shall be 0.063" thick aluminum 3003-H-14 or similar aluminum.



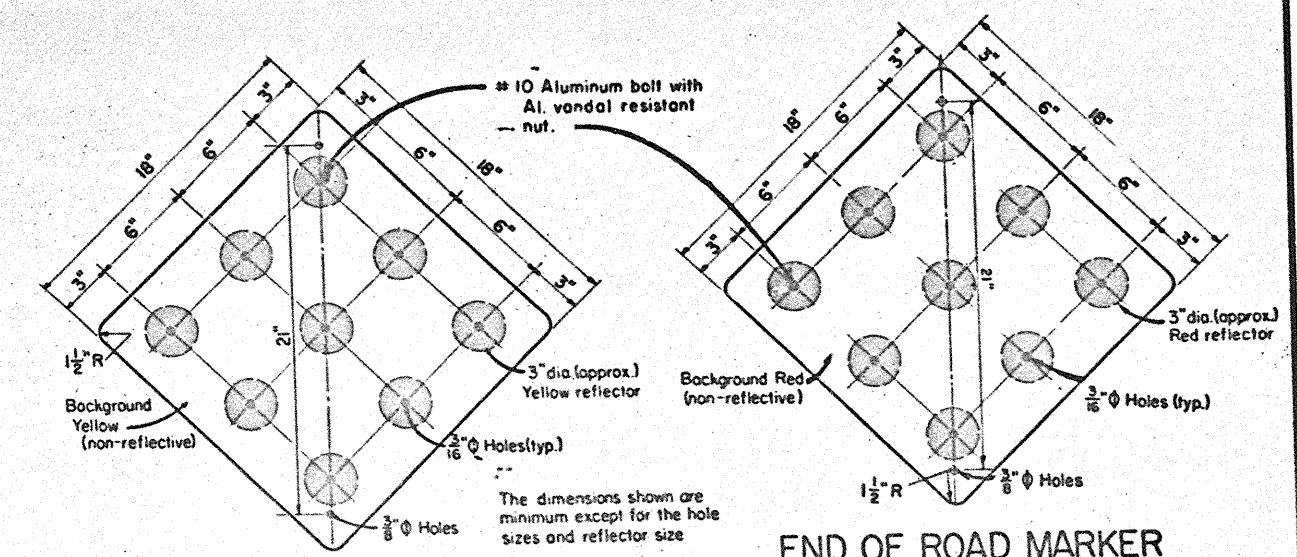
TYPE IV-B
OBJECT MARKER PLATE
(The plate shall be 0.063" thick Aluminum 3003 H-14 or similar Aluminum).



ELEVATION



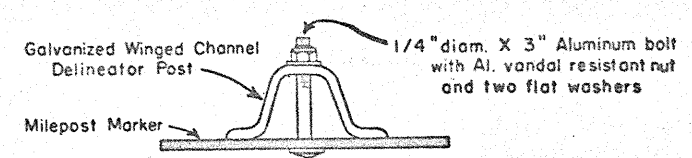
PLAN VIEW
OBJECT MARKER-TYPE IV-A
END OF ROAD MARKER-TYPE VI-A



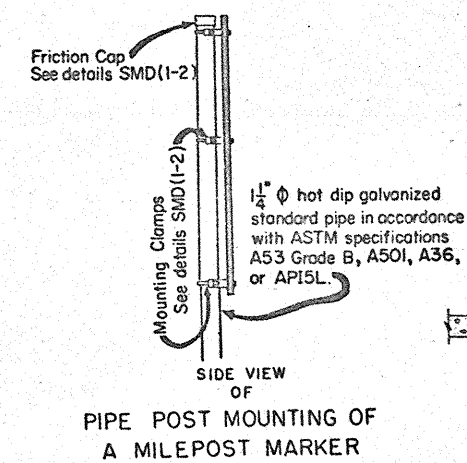
OBJECT MARKER TYPE IV-A

END OF ROAD MARKER
TYPE VI-A

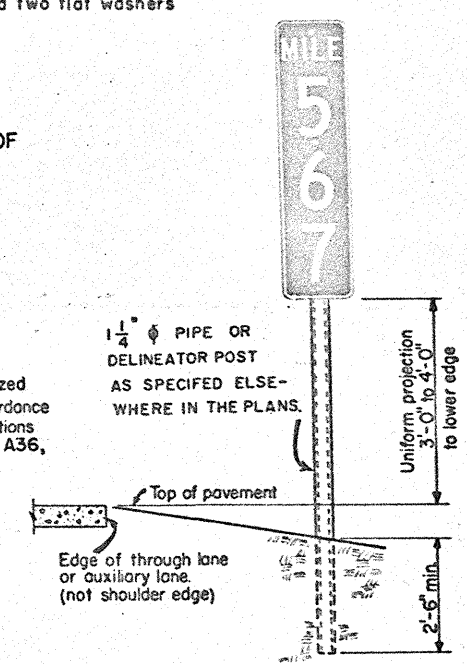
The Type IV-A Object Marker and the Type VI-A End of Road Marker shall consist of center mount reflector units mounted on 0.080" thick sheet aluminum conforming with ASTM B209 Alloy 6061-T6, or 12 gage sheet steel conforming with ASTM A-415.



PLAN VIEW
OF
DELINEATOR POST MOUNTING OF
A MILEPOST MARKER



SIDE VIEW
OF
PIPE POST MOUNTING OF
A MILEPOST MARKER



TYPICAL MILEPOST MARKER

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION									
DELINEATORS, CLEARANCE AND OBJECT MARKERS, AND MILEPOSTS									
D & M(2)									
ORIGINAL DRAWING DATE: 7-78									
REVISIONS									
STATE DISTRICT REGION FEDERAL AID PROJECT									
COUNTY CONTROL SECTION JOB HIGHWAY									
208									

