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47	IE(1)
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52	M(1)
53, 54	R(1)&(2)
55, 56	W(1)&(2)
57-64	SMD(1-1),(1-2),(1-3),(2),(8-1),(8-2),(8W1)&(8W2)
65, 66	D&OM(1)&(2)
67, 68	RPM(1)&(2)
69-75	BC(1) Thru (7) 81

STATE OF TEXAS
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

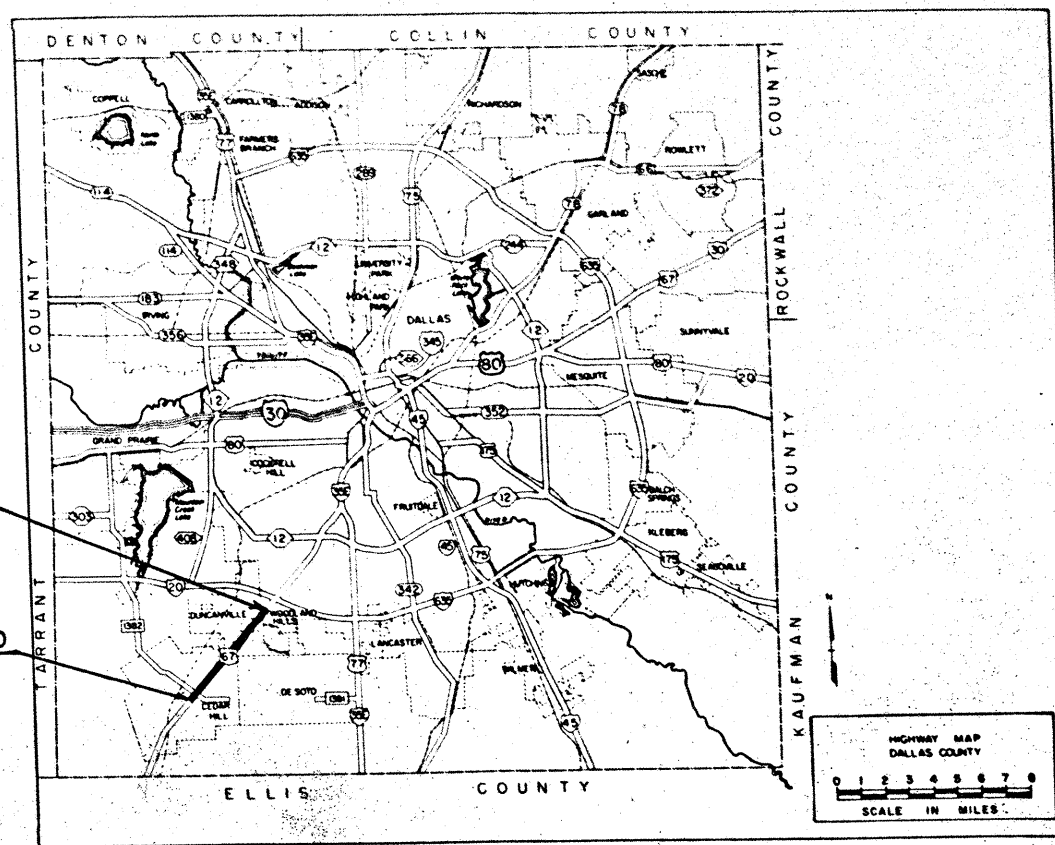
PLANS OF PROPOSED
STATE HIGHWAY IMPROVEMENT

FEDERAL AID PROJECT
F592(27)
US 67
DALLAS COUNTY

FROM: SOUTH OF FM 1382
TO: SOUTH OF WHEATLAND RD

NET LENGTH OF PROJECT=26,200.0FT.=4.962MI.

SIGNING AND DELINEATION



END PROJECT STA 466+00
END CONTROL 261-2-33

BEGIN PROJECT STA 204+00
BEGIN CONTROL 261-2-33

- CONVENTIONAL SIGNS
- STATE OR NATIONAL LINE
 - CITY OR VILLAGE LINE
 - COUNTY LINE
 - BASE OR SURVEY LINE
 - RIGHT OF WAY LINE
 - RIGHT OF WAY MARKERS
 - FENCE LINE
 - RAILROAD
 - TRAVELLED WAY
 - CULVERT OR BRIDGE
 - POWER LINE
 - TELEGRAPH OR TELEPHONE

SPECIFICATIONS ADOPTED BY THE STATE HIGHWAY DEPARTMENT OF TEXAS JANUARY 3, 1972 AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS. SHALL GOVERN ON THIS PROJECT. REQUIRED CONTRACT PROVISIONS: ALL FEDERAL-AID CONSTRUCTION CONTRACTS (FROM FH-1273, SEP. 1975) SPECIAL LABOR PROVISIONS FOR STATE PROJECTS (FROM FH-1273)

DATE OF LETTING: 12-9-81
DATE WORK BEGAN: 12-15-82
DATE WORK COMPLETED: 6-29-83
DATE WORK ACCEPTED: 7-1-83

NOTES: THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATION AND ARRANGEMENTS FOR RAIL DELIVERY POINTS AND TRACKAGE FACILITIES.

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

STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

CORRECT SEPT 22, 1981
W. D. G. Galt
SUPERV DESIGN ENGINEER

CORRECT SEPT 22, 1981
William C. Seawright
DISTRICT ADMIN. ENGINEER

CORRECT SEPT 22, 1981
P. J. Jones
SUPERV RESIDENT ENGINEER

RECOMMENDED FOR APPROVAL SEPT 22, 1981
Robert L. Felding
DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL
CHIEF ENGINEER, SAFETY AND MAINTENANCE OPERATIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: *(Signature)*
DIVISION ENGINEER

DATE

ESTIMATE SUMMARY

[illegible]

ESTIMATE & QUANTITY SHEET

STATE DIST. NO.	COUNTY	PROJECT NO.	SHEET NO.
18	DALLAS	F 592(27)	2

* F.R. DIV.6 * TEXAS * F 592(27) * SHEET 3 *
* DALLAS COUNTY * HWY US67 *CONT 0261-2-33 *
GENERAL NOTES AND SPECIFICATION DATA--
SCOPE OF WORK:
THESE PLANS PROVIDE FOR A COMPLETE SYSTEM OF HIGHWAY SIGNING. 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.
UPON COMPLETION OF EACH WORK OPERATION AT EACH SITE, THE CONTRACTOR SHALL CLEAN AND REMOVE ALL EXCESS DIRT AND ALL RUBBISH FROM THE LOCATION, RESTORE IN AN ACCEPTABLE MANNER ALL PROPERTY, BOTH PUBLIC AND PRIVATE WHICH HAS BEEN DAMAGED DURING THE PROSECUTION OF THE WORK, AND LEAVE EACH WORK SITE IN A NEAT AND PRESENTABLE CONDITION THROUGHOUT THE DURATION OF THE CONTRACT.
NO EXTRA COMPENSATION WILL BE ALLOWED FOR FULFILLING THE REQUIREMENTS STATED ABOVE.
THE CONTRACTORS ATTENTION IS CALLED TO THE FACT THAT THERE MAY HAVE BEEN CHANGES IN THE EXISTING SIGNING OR DELINEATION SINCE THE PLANS WERE PREPARED. THE ENGINEER WILL WORK WITH THE CONTRACTOR TO DETERMINE ANY REDUCTION OR ADDITION TO THE ESTIMATED WORK CAUSED BY THESE CHANGES. PAYMENT WILL BE MADE FOR ACTUAL WORK PERFORMED UNDER THE VARIOUS ITEMS OF WORK AT THEIR RESPECTIVE BID PRICES.
SIGNING AND DELINEATION:
THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND SALVAGE EXISTING SIGNS AND SUPPORT STRUCTURES DESIGNATED BY THE ENGINEER. THE FOUNDATION SHALL BE REMOVED TO ONE FOOT BELOW FINISHED GRADE AND THE HOLE SHALL BE BACKFILLED WITH SIMILAR MATERIAL AND TAMPED TO THE FINISHED GRADE.
THE ROADWAY CONTRACTOR--J D ABRAMS, INC--IS CURRENTLY ESTIMATING THE COMPLETION OF HIS CONSTRUCTION IN MARCH 1983. THIS SIGN WORK SHALL BE COORDINATED WITH THE ROADWAY CONSTRUCTION IN SUCH A MANNER THAT BOTH PROJECTS ARE COMPLETE AT APPROXIMATELY THE SAME TIME.
SPECIFICATION DATA
SHEET A

* F.R. DIV.6 * TEXAS * F 592(27) * SHEET 3 *
* DALLAS COUNTY * HWY US67 *CONT 0261-2-33 *
GENERAL NOTES AND SPECIFICATION DATA--
ITEM 6:
THE FOLLOWING ITEMS MAY BE PURCHASED FROM THE DEPARTMENT'S STOCK AT THE THE COST INDICATED IN THE SPECIAL PROVISION TO ITEM 6
OBJECT MARKER, TYPE OM2-HP.
DELINEATORS, 4IN, HIGH SPECIFIC INTENSITY, AMBER AND WHITE.
BOLTS, MOUNTING, 1/4 X 3/4IN FOR 4IN AND 6IN HIGH SPECIFIC INTENSITY DELINEATORS.
ITEM 7:
THE MINIMUM LENGTH OF SECTION FOR PARTIAL ACCEPTANCE WILL BE ONE (1) MILE.
ITEMS 416, 728 AND 730:
THE CONTRACTOR SHALL PROBE BEFORE DRILLING FOUNDATIONS TO DETERMINE THE LOCATION OF ALL UTILITIES AND STRUCTURES. HE SHALL BE PAID FOR DRILLING THE SHAFT ONCE ONLY REGARDLESS OF ANY EXTRA WORK CAUSED BY THE OCCURRENCE OF THESE OBSTRUCTIONS.
THE TOP 2 INCHES OF DRILL SHAFTS AND ALL DRILL SHAFTS WHICH EXTEND ABOVE THE GROUND LINE SHALL BE FORMED. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
ITEMS 7570, 7593 AND 7596
ANY SIGNS REQUIRED, THAT ARE NOT DETAILED IN THE STANDARD SHEETS SHALL BE IN CONFORMANCE WITH THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE "STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS."
3
SPECIFICATION DATA
SHEET B

* F.R. DIV.6 * TEXAS * F 592(27) * SHEET 4 *

* DALLAS COUNTY * HWY US67 *CONT 0261-2-33 *

GENERAL NOTES AND SPECIFICATION DATA--

ITEMS 7570, 7593 AND 7596, CONT'D

ALL SIGN QUANTITIES WILL BE BASED ON THE DIMENSIONS AND AREAS SHOWN IN THE PLANS OR THOSE ESTABLISHED IN WRITING BY THE ENGINEER. ADEQUATE CALCULATIONS FOR MEASUREMENT OF SIGN AREA HAVE BEEN MADE IN ACCORDANCE WITH ARTICLE 9.1 OF THE STANDARD SPECIFICATIONS, INCREASES OR DECREASES IN QUANTITIES REQUIRED BY CHANGE IN DESIGN, WILL BE MEASURED AS SPECIFIED AND THE REVISED QUANTITIES WILL BE THE BASIS FOR PAYMENT.

THE BACKSIDE OF ALL PLYWOOD SIGNS ON THIS PROJECT SHALL BE PAINTED. CLEARANCE SIGNS SHALL NOT BE FABRICATED UNTIL CLEARANCE FIGURES HAVE BEEN VERIFIED IN WRITING BY THE ENGINEER.

SIGNS LOCATED MORE THAN 25 FEET FROM THE PAVEMENT EDGE SHALL BE ERECTED SO THAT THE SIGN FACES SHALL BE 90 DEGREES, MEASURED FROM THE FORWARD TANGENT OF THE CENTER LINE OF THE TRAFFIC LANES WHICH THE SIGNS SERVE. THE EDGES OF ALL PLYWOOD SIGNS ON THIS PROJECT SHALL BE SEALED.

THE CONTRACTOR WILL BE REQUIRED TO AFFIX DECALS TO ALL GROUND MOUNTED SIGNS. THESE DECALS SHALL INDICATE THE TYPE OF REFLECTIVE SHEETING, THE DATE OF SIGN FABRICATION, THE TYPE OF INSTALLATION, AND THE DATE THE SIGN WAS ERECTED IN THE FIELD.

THE DECALS SHALL BE AFFIXED TO THE SIGNS AND THE DATA SHALL BE INDICATED ON THE DECAL IN ACCORDANCE WITH INSTRUCTIONS FURNISHED BY THE ENGINEER.

THE ENGINEER WILL FURNISH THE DECALS TO THE CONTRACTOR FREE OF CHARGE. AFTER DELINEATORS AND 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.

ITEMS 728 AND 7593

"WATCH FOR ICE ON BRIDGE" SIGNS IN THIS PROJECT ARE SPECIAL SIGNS INSTALLED ON SPECIAL MOUNTS. BOTH SIGNS AND MOUNTS ARE DETAILED IN THE PLANS. SPECIAL MATERIALS AND HARDWARE REQUIRED TO FURNISH AND INSTALL THESE SIGNS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS. THE POST LENGTHS SHOWN IN THE SIGN SUMMARIES AND IN THE PLANS ARE TO BE USED FOR BIDDING PURPOSES ONLY. PRIOR TO FABRICATIONS, THE CONTRACTOR, IN COOPERATION WITH THE ENGINEER, SHALL TAKE FINISHED GRADE ELEVATIONS AT THE SIGN SUPPORT

SPECIFICATION DATA

SHEET C

***** F.R. DIV.6 * TEXAS * F 592(27) * SHEET 4 *****

***** DALLAS COUNTY * HWY US67 *CONT 0261-2-33 *****

GENERAL NOTES AND SPECIFICATION DATA--

ITEMS 728 AND 7593, CONT'D
LOCATIONS AND SHALL DETERMINE THE EXACT POST LENGTHS 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 FABRICATIONS.

THE CONTRACTOR SHALL PROVIDE FIELD GALVANIZING AND METALLIZING EQUIPMENT, FEDERAL SPEC. O-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 752

THE CONTRACTOR WILL BE REQUIRED TO USE TYPE I EPOXY WHERE PAVEMENT MARKERS ARE TO BE INSTALLED. WET STRENGTH TEST FOR CALIFORNIA FORMULA OF TYPE I EPOXY ADHESIVE WILL NOT BE REQUIRED FOR THIS PROJECT.

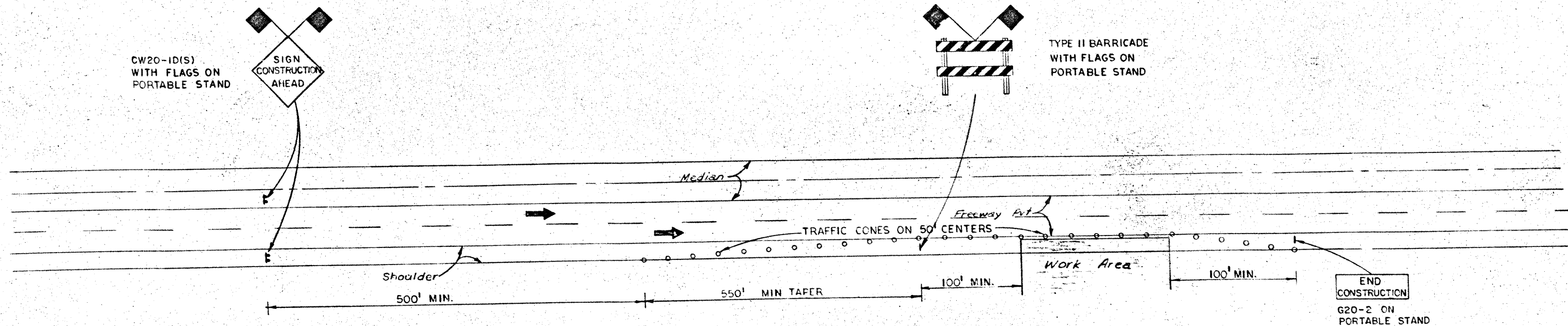
GENERAL:

DESIGN WIND FOR THIS PROJECT SHALL BE 70 MPH.

4

SPECIFICATION DATA

SHEET D



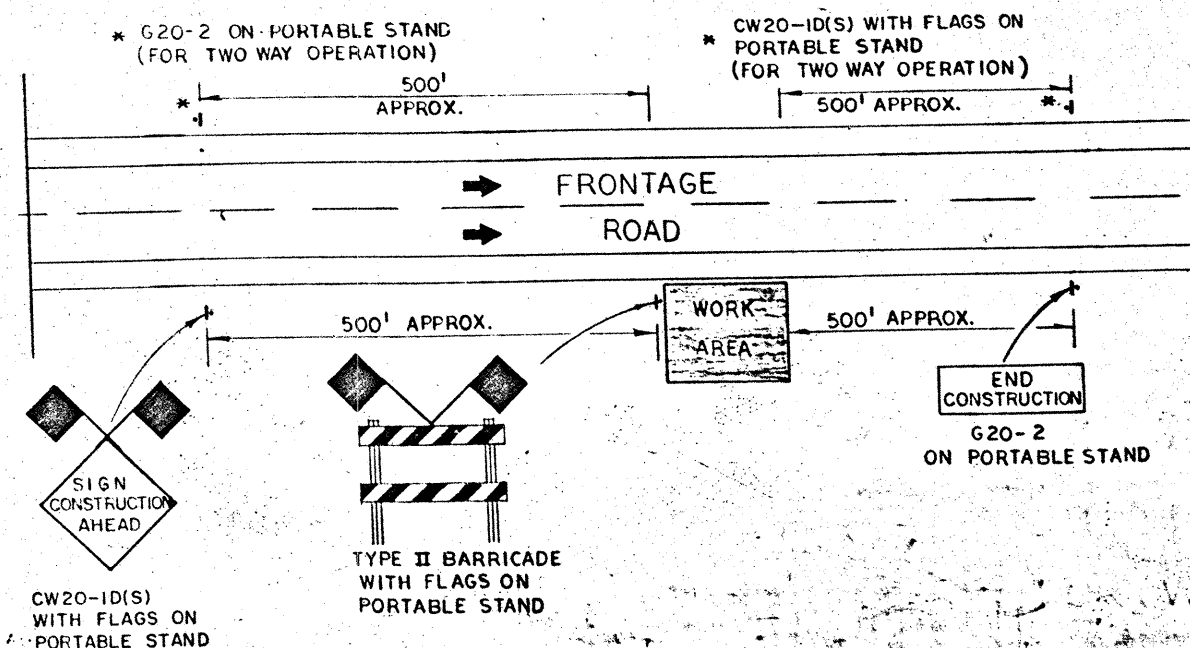
TYPICAL BARRICADE ARRANGEMENT
FOR WORK ON SHOULDERS

GENERAL NOTES

WARNING SIGNS AND BARRICADES SHOWN ON THIS TRAFFIC CONTROL PLAN ARE THE MINIMUMS REQUIRED. THE ENGINEER MAY REQUIRE ADDITIONAL SIGNS, LIGHTS, BARRICADES, FLAGMEN OR OTHER WARNING DEVICES IF HE DEEMS THEM NECESSARY.

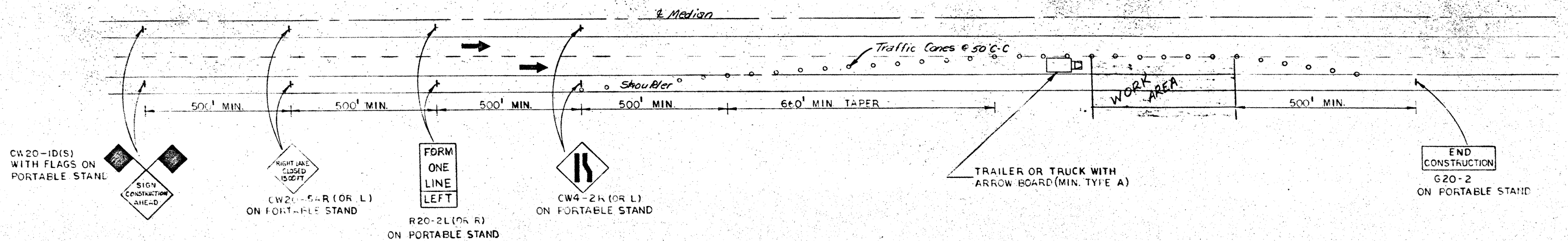
DETAILS OF SIGNS, LIGHTS, BARRICADES AND OTHER CONSTRUCTION WARNING DEVICES AND THE INSTALLATION OF SUCH DEVICES, SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE "TEXAS TRAFFIC SIGN DESIGN" MANUAL AND THE "BARRICADE AND CONSTRUCTION STANDARDS" SHEETS OF THESE PLANS.

TYPICAL BARRICADE ARRANGEMENT
FOR FRONTAGE ROADS

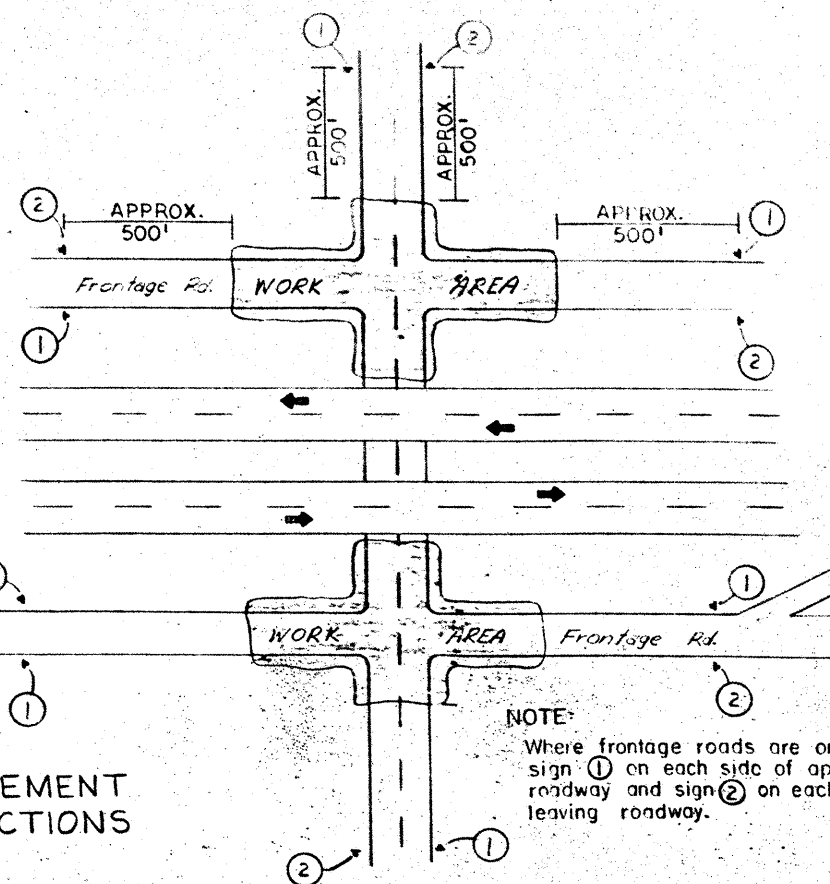
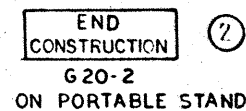
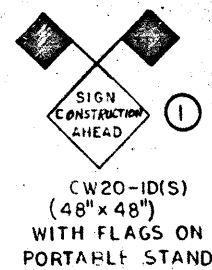


TRAFFIC CONTROL PLAN
SHEET 1 OF 2

FED. RD. DIV. NO.	STATE	FEDERAL PROJECT NO.	SHEET NO.
6	TEXAS	E592(27)	5
STATE DIST. NO.	COUNTY	CONTRACT NO.	SECTION
18	DALLAS		

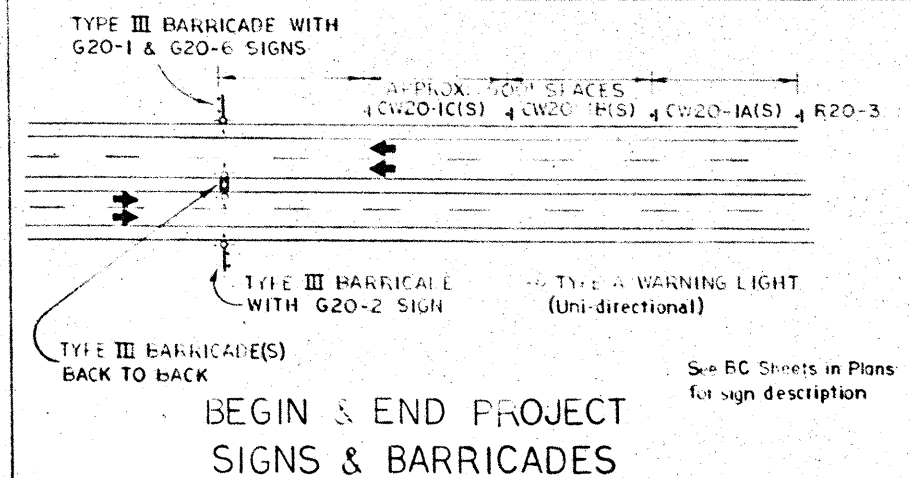


TYPICAL BARRICADE ARRANGEMENT
FOR WORK ON ROADWAY



TYPICAL BARRICADE ARRANGEMENT
FOR WORK IN INTERSECTIONS

NOTE:
Where frontage roads are one way, place sign ① on each side of approaching roadway and sign ② on each side of leaving roadway.



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.

TRAFFIC CONTROL PLAN 6 SHEET 2 OF 2

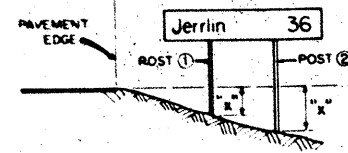
FED. RD. DIV. NO.	STATE	FEDERAL PROJECT NO.	SHEET NO.
6	TEXAS	F 593(27)	6
STATE DIST. NO.	COUNTY	CONT. SECT.	JOB
18	DALLAS	121	33

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

PLAN SHEET NO.	SIGN NO.	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	TYPE OF MOUNT	"X" DIMENSION		GALVANIZED PIPE POSTS				GALVANIZED STRUCTURAL STEEL			DRILLED SHAFT NON-REINFORCED PART LINEAR FEET 12" O
								POST 1	POST 2	1 1/2"	2"	2 1/2"	3"	SIZE	LINEAR FEET POST 1	LINEAR FEET POST 2	
22	2	M3-1	NORTH	24 x 12		2.00	B			10.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-2L		24 x 15		2.00											
		M1-6F	1382	24 x 24		4.00											
		M6-2R		24 x 15		2.00											
23	1	M3-1	NORTH	24 x 12		2.00	C						11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	EAST	21 x 15		2.00											
		M3-2	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-3	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	6	M3-3	SOUTH	24 x 12		2.00	C						11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	2	M3-3	SOUTH	24 x 12		2.00	B			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	3	M3-3	SOUTH	24 x 12		2.00	F			(STUB ONLY)			3.25				3.5
		M1-4A2	67	24 x 24		4.00				11.75			11.33				3.5
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	4	M3-3	SOUTH	24 x 12		2.00	F			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	5	M3-3	SOUTH	24 x 12		2.00	B			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	6	M3-3	SOUTH	24 x 12		2.00	F			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	7	M3-3	SOUTH	24 x 12		2.00	F			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	8	M3-3	SOUTH	24 x 12		2.00	F			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	9	M3-3	SOUTH	24 x 12		2.00	F			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	10	M3-3	SOUTH	24 x 12		2.00	F			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	11	M3-3	SOUTH	24 x 12		2.00	F			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	12	M3-3	SOUTH	24 x 12		2.00	F			11.75			11.33				3.5
		M1-4A2	67	24 x 24		4.00											
		M6-3	NORTH	21 x 15		2.00											
		M3-1	1382	24 x 24		4.00											
		M1-6F		21 x 15		2.00											
		M6-3	SOUTH	24 x 12		2.00											
		M3-2	67	24 x 24		4.00											
		M1-4A2		21 x 15		2.00											
		M6-1				2.25											
	13	M3-3	SOUTH	24 x 12		2.00	F			11.75			11.33				3.5
		M1-4A2															

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)										GALVANIZED PIPE POSTS					GALVANIZED STRUCTURAL STEEL			NON-REINFORCED PART	
PLAN SHEET NO.	SIGN NO.	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A	ALUMINUM TYPE A	TYPE OF MOUNT	"X" DIMENSION		GALVANIZED PIPE POSTS					GALVANIZED STRUCTURAL STEEL			NON-REINFORCED PART	
								POST 1	POST 2	1 1/2"	2"	2 1/2"	3"	3 1/2"	SIZE	POST 1	POST 2	TOTAL WEIGHT LBS	NON-REINFORCED PART
					SQUARE FEET	SQUARE FEET													12" O
26	1	M3-3	SOUTH	24" x 12"		2.00	A												2.5
		M1-4A2	US 67	24" x 24"		4.00					14.17								
		M6-2L	45° LT DIR ARROW	21" x 15"		2.25													2.5
	2	M3-3	SOUTH	24" x 12"		2.00	A												2.5
		M1-4A2	US 67	24" x 24"		4.00					14.17								
		M6-2L	45° LT DIR ARROW	21" x 15"		2.25													3.5
	3	F1A-1	MERGE (SYMBOL)	48" x 48"	16.00		F					292	1492						2.5
	4	M3-3	SOUTH	24" x 12"		2.00	A												2.5
		M1-4A2	US 67	24" x 24"		4.00					14.17								
		M6-1	HORIZ DIR ARROW	21" x 15"		2.25	B												3.5
	5	M3-1	NORTH	24" x 12"		2.00													2.5
		M1-4A2	US 67	24" x 24"		4.00													
		M6-3	VERT DIR ARROW	21" x 15"		2.25													
		M3-3	SOUTH	24" x 12"		2.00													
		M1-4A2	US 67	24" x 24"		4.00													
		M6-1	HORIZ DIR ARROW	21" x 15"		2.25													
	6	R6-1R	ONE WAY ARROW (RT)	36" x 12"	3.00		A					1092							2.5
		R6-1L	ONE WAY ARROW (LT)	36" x 12"	3.00														
	7	R6-1L	ONE WAY ARROW (LT)	36" x 12"	3.00														
		R6-1R	ONE WAY ARROW (RT)	36" x 12"	3.00														
	8	W19-2	WATCH FOR ICE ON BRIDGE	36" x 36"	9.00		A*					1416							2.5
	9	R1-1	STOP	30" x 30"	5.25		A					1242							2.5
		R5-1	DO NOT ENTER	30" x 30"	6.25														
	10	R1-1	STOP	30" x 30"	5.25		A					1342							2.5
		R5-1	DO NOT ENTER	30" x 30"	6.25														
	11	R5-1a	WRONG WAY	36" x 24"	6.00														2.5
	12	R5-1a	WRONG WAY	36" x 24"	6.00		A					1192							2.5
							A												
	15	R1-2	YIELD	42" x 42" x 42"	5.25							1295							2.5
	14	R6-1R	ONE WAY (RT)	36" x 12"	3.00		A					1092							2.5
	16	R5-1R	ONE WAY ARROW (RT)	36" x 12"	3.00														
		R6-1L	ONE WAY ARROW (LT)	36" x 12"	3.00														
	17	R6-1R	ONE WAY ARROW (RT)	36" x 12"	3.00		A					1092							2.5
		R6-1L	ONE WAY ARROW (LT)	36" x 12"	3.00														
	18	R6-1R	ONE WAY ARROW (RT)	36" x 12"	3.00		A					1092							2.5
							B					1175							3.5
	19	M3-3	SOUTH	24" x 12"		2.00													
		M1-4A2	US 67	24" x 24"		4.00													
		M6-3	VERT DIR ARROW	21" x 15"		2.25													
		M3-1	NORTH	24" x 12"		2.00													
		M1-4A2	US 67	24" x 24"		4.00													
		M6-1	HORIZ DIR ARROW	21" x 15"		2.25													
	20	M3-1	NORTH	24" x 12"		2.00	A					14.17							2.5
		M1-4A2	US 67	24" x 24"		4.00													
		M6-1	HORIZ DIR ARROW	21" x 15"		2.25													
	21	W19-2	WATCH FOR ICE ON BRIDGE	36" x 36"	9.00		A*					1416							2.5
	22	R1-1	STOP	30" x 30"	5.25		A					1342							2.5
		R5-1	DO NOT ENTER	30" x 30"	6.25														
	23	R1-1	STOP	30" x 30"	5.25		A					1242							2.5
		R5-1	DO NOT ENTER	30" x 30"	6.25														
	24	R5-1a	WRONG WAY	36" x 24"	6.00		A					1192							2.5
	25	R5-1a	WRONG WAY	36" x 24"	6.00														2.5
	27	R1-1	STOP	30" x 30"	5.25		A					1242							2.5
	28	R5-1R	ONE WAY ARROW (RT)	36" x 12"	3.00		A					1092							2.5
	29	R5-1	DO NOT ENTER	36" x 48"	16.00		F					292	1450						3.5
		SW3-1	STOP AHEAD	48" x 48"	16.00							292	1450						3.5
	30	SR5-1	DO NOT ENTER	48" x 48"	16.00														2.5
		SW3-1	STOP AHEAD	48" x 48"	16.00		A					1295							3.5
	31	SR1-2	YIELD	42" x 42" x 42"	5.25		F					292	1350						3.5
	32	SR5-1a	WRONG WAY	48" x 36"	12.00							292	1350						3.5
	33	SR5-1a	WRONG WAY	48" x 36"	12.00		F					292	1350						3.5
	34	W13-2	EXIT 40 MPH	48" x 60"	20.00		F					292	1550						3.5
	35	SHEET TOTALS				260.75	66.00					23.50	110.00						18.0



● THE X DIMENSION IS THE ELEVATION DIFFERENCE AT THE POST BETWEEN THE GROUND AND THE EDGE OF PAVEMENT OR TOP OF CURB

GENERAL NOTES:

ALL SIGNS SHALL BE ERECTED ACCORDING TO THE STATION NUMBER SHOWN ON THE PLAN AND PROFILE SHEETS EXCEPT THAT THE ENGINEER MAY SHIFT A SIGN IN ORDER TO SECURE A MORE DESIRABLE LOCATION THE ENGINEER WILL STAKE ALL SIGN LOCATIONS AND NO CHANGES IN THOSE LOCATIONS SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER

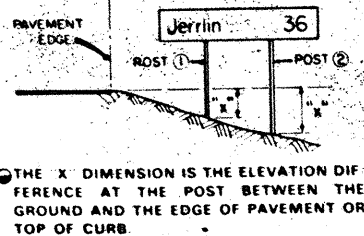
A* } SPECIAL FOLDING SIGN
F* }

SHEET 2 OF 12

**SUMMARY OF
SMALL SIGNS
(WITHOUT
REMOVABLE
COPY) 8**

STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT				COUNTY
18	6	F-592(27)				E
COUNTY		CONTROL	SECTION	JOB	WORKSHEET	
DALLAS		261	2	3*	US67	

100



GENERAL NOTES:

ALL SIGNS SHALL BE ERECTED ACCORDING TO THE STATION NUMBER SHOWN ON THE PLAN AND PROFILE SHEETS EXCEPT THAT THE ENGINEER MAY SHIFT A SIGN IN ORDER TO SECURE A MORE DESIRABLE LOCATION. THE ENGINEER WILL STAKE ALL SIGN LOCATIONS AND NO CHANGES IN THOSE LOCATIONS SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.

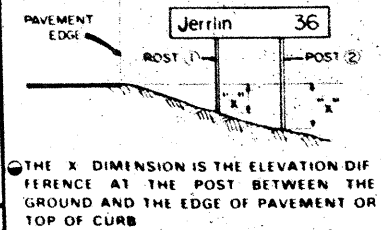
F★ } SPECIAL FOLDING SIGN
A★ }

SHEET 3 OF 12
**SUMMARY OF
 SMALL SIGNS
 (WITHOUT
 REMOVABLE
 COPY) 9**

STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT			SHEET
18	6	F592(27)			9
COUNTY		CONTROL	SECTION	JOB	HIGHWAY
DALLAS		261	2	35	US 67

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE LIGHTS)																		
PLAN SHEET NO	SIGN NO	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	TYPE OF MOUNT	DIMENSION		GALVANIZED PIPE POSTS					GALVANIZED STRUCTURAL STEEL		DRILLED SHAFT NON REMOVABLE LIGHT 12' 0"	
								POST (1)	POST (2)	1 1/2"	2"	2 1/2"	3"	3 1/2"	SIZE	POST (1)		POST (2)
28	24	W12-1	FT IN	36 x 36	9.00		A			14.16								2.5
	25	R4-7	KEEP RIGHT (SYM)	24 x 30	5.00		A			14.17								2.5
	26	R6-1R	ONE WAY ARROW (RT)	36 x 12	3.00		A			11.12								2.5
		R6-1L	ONE WAY ARROW (LT)	36 x 12	3.00		A			11.12								2.5
	27	R6-1L	ONE WAY ARROW (LT)	36 x 12	3.00		A			11.12								2.5
		R6-1R	ONE WAY ARROW (RT)	36 x 12	3.00		A			11.12								2.5
	28	R3-3U	ONLY	24 x 30	5.00		A			12.42								3.5
		R3-3L	ONLY	24 x 30	5.00		A			12.42								3.5
	30	M3-3	SOUTH US 67	24" x 12"		2.00	B			11.15								
		M1-4A2	US 67	24" x 24"		1.00												
		M1-6-3	VERT DIR ARROW	21" x 15"		2.25												
		M3-1	NORTH	24" x 12"		2.00												
		M1-4A2	US 67	24" x 24"		4.00												
		M1-6-1	HORZ DIR ARROW	21" x 15"		2.25												
	31	W12-2	FT IN	36 x 36	9.00		A			14.16								2.5
	32	R1-1	STOP	30 x 30	5.25		A			12.42								2.5
		R5-1	DO NOT ENTER	30 x 30	6.25		A			13.42								2.5
	33	R1-1	STOP	30 x 30	5.25		A			13.42								2.5
		R5-1	DO NOT ENTER	30 x 30	6.25		A			13.42								2.5
	34	R5-6	WRONG WAY	36 x 24	6.00		A			11.92								2.5
	35	R5-10	WRONG WAY	36 x 24	6.00		A			14.17								2.5
	37	M3-1	NORTH US 67	24" x 12"		2.00	A											
		M1-4A2	US 67	24" x 24"		4.00												
		M1-6-1	HORZ DIR ARROW	21" x 15"		2.25												
	38	M3-3	SOUTH US 67	24 x 12		2.00	INSTALL ON BACK OF SIGN #6											
		M1-4A2	US 67	24 x 24		4.00												
		M1-6-1	HORZ DIR ARROW	21 x 15		2.25												
28	39	M3-1	NORTH US 67	24 x 12		2.00	INSTALL ON BACK OF SIGN #25											
		M1-4A2	US 67	24 x 24		4.00												
		M1-6-1	HORZ DIR ARROW	21 x 15		2.25												
	29	SR1-2	YIELD	42" x 42" x 42"	5.20		A			12.85								2.5
	2	SR5-1	DO NOT ENTER	48" x 48"	16.00		F			2.92								3.5
		SW3-1	STOP AHEAD	48" x 48"	16.00		F			2.92								3.5
	3	SR5-1	DO NOT ENTER	48" x 48"	16.00		F			2.92								3.5
		SW3-1	STOP AHEAD	48" x 48"	16.00		F			2.92								3.5
	4	SR5-10	WRONG WAY	48" x 36"	12.00		F			2.92								3.5
		SR5-10	WRONG WAY	48" x 36"	12.00		F			2.92								3.5
	6	W13-2	EXIT 40 MPH	48" x 60"	20.00		F			2.92								2.5
	9	M3-1	NORTH US 67	24" x 12"		2.00	A			3.01								2.5
		M1-4A2	US 67	24" x 24"		4.00												3.5
	10	R6-1R	ONE WAY ARROW (RT)	36" x 12"	3.00		A			10.92								2.5
	11	W12-2	FT IN	48" x 48"	16.00		F			2.92								2.5
	12	SR1-2	YIELD	42" x 42" x 42"	5.25		A			12.95								2.5
29	13	D10-5	MILE 32	12 x 36	3.00		F			16.00								3.5
	14	D10-5	MILE 32	12 x 36	3.00		F			16.00								3.5
	30	1	FR2-1	SPEED LIMIT 55	20.00		F			2.92								3.5
	2	M3-3	SOUTH US 67	24" x 12"		2.00	A			13.01								2.5
		M1-4A2	US 67	24" x 24"		4.00												2.5
	3	W13-2	EXIT 40 MPH	48" x 60"	20.00		F			2.92								3.5
	6	FR2-1	SPEED LIMIT 55	48" x 60"	20.00		F			2.92								3.5
SHEET TOTALS																		
1175.00 143.25 72.5																		



GENERAL NOTES

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★ SPECIAL FOLDING SIGN

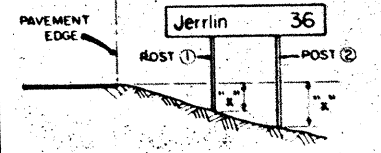
SHEET 4 OF 12

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY) 10

STATE	FEDERAL AID PROJECT	SHEET
18	F592(27)	10
COUNTY	SECTION	DATE
DAKOTA	261	3-67

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

PLAN SHEET NO	SIGN NO.	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	TYPE OF MOUNT	"X" DIMENSION		GALVANIZED PIPE POSTS				GALVANIZED STRUCTURAL STEEL			DRILLED SHAFT NON-REINFORCED PART LINEAR FEET
								POST ①	POST ②	1 1/2"	2"	2 1/2"	3"	3 1/2"	POST ①	POST ②	
31	1	M3-3	SOUTH	24" x 12"		2.00	A										2.5
		M1-1A	US 67	24" x 24"		4.00											2.5
		M6-2L	45° LT DIA. ARROW	21" x 15"		2.25											
		M3-3	SOUTH	24" x 12"		2.00	A										
		M1-1A	US 67	24" x 24"		4.00											
		M6-2L	45° LT DIA. ARROW	21" x 15"		2.25											
3	3	SRI-2	YIELD	42" x 42" x 42"	5.25		A										2.5
4	4	WR-2T	FT IN	36" x 36"	4.00		A										2.5
5	5	M3-1	NORTH	24" x 12"		2.00	B										3.5
		M1-4A2	US 67	24" x 24"		4.00											
		M6-3	VERT. DIR. ARROW	21" x 15"		2.25											
		M3-3	SOUTH	24" x 12"		2.00											
		M1-4A2	US 67	24" x 24"		4.00											
		M6-1	HORZ. DIR. ARROW	21" x 15"		2.25											
6	6	R6-1R	ONE WAY ARROW (RT)	36" x 12"	3.00		A										2.5
		R6-1L	ONE WAY ARROW (LT)	36" x 12"	3.00												
7	7	R6-1L	ONE WAY ARROW (LT)	36" x 12"	3.00												
		R6-1R	ONE WAY ARROW (RT)	36" x 12"	3.00												
8	8	R1-1	STOP	30" x 30"	5.25		A										2.5
		R5-1	DO NOT ENTER	30" x 30"	6.25												
9	9	R1-1	STOP	30" x 30"	5.25		A										2.5
		R5-1	DO NOT ENTER	30" x 30"	6.25												
10	10	WR-2T	FT IN	36" x 36"	9.00		A										2.5
11	11	R5-1a	WRONG WAY	36" x 24"	6.00												2.5
12	12	R5-1a	WRONG WAY	36" x 24"	6.00		A										2.5
15	15	R3-2U	ONLY	24" x 30"	5.00		A										2.5
16	16	R3-2U	ONLY	24" x 30"	5.00		A										3.5
17	17	SWR-2	WATCH FOR ICE ON BRIDGE	48" x 48"	16.00		F*										3.5
18	18	SWR-2	WATCH FOR ICE ON BRIDGE	48" x 48"	16.00		F*										2.5
19	19	M3-1	NORTH	24" x 12"		2.00	A										2.5
		M1-4A2	US 67	24" x 24"		4.00											
		M5-1L	90° UP LT. ARROW	21" x 15"		2.25											
20	20	M3-3	SOUTH	24" x 12"		2.00	A										2.5
		M1-4A2	US 67	24" x 24"		4.00											
		M5-1L	90° UP LT. ARROW	21" x 15"		2.25											
21	21	F4-1	MERGE (SYM)	48" x 48"	16.00		F										3.5
22	22	SRS-1a	WRONG WAY	48" x 36"	12.00		F										3.5
23	23	SRS-1a	WRONG WAY	48" x 36"	12.00		F										3.5
24	24	SRI-2	YIELD	42" x 42" x 42"	5.25		A										2.5
25	25	SRI-2	YIELD	42" x 42" x 42"	5.25		A										3.5
26	26	SRS-1	DO NOT ENTER	48" x 48"	16.00		F										3.5
		SW3-1	STOP AHEAD	48" x 48"	16.00												
27	27	SRS-1	DO NOT ENTER	48" x 48"	16.00		F										3.5
		SW3-1	STOP AHEAD	48" x 48"	16.00												
31	31	R5-1a	WRONG WAY	36" x 24"	6.00												2.5
32	32	R5-1a	WRONG WAY	36" x 24"	6.00		A										2.5
33	33	WR-2T	FT IN	36" x 36"	9.00		A										2.5
34	34	R1-1	STOP	30" x 30"	5.25		A										2.5
		R5-1	DO NOT ENTER	30" x 30"	6.25												
35	35	R1-1	STOP	30" x 30"	5.25		A										2.5
		R5-1	DO NOT ENTER	30" x 30"	6.25												
SHEET TOTALS					210.75	49.50											75.5



THE "X" DIMENSION IS THE ELEVATION DIFFERENCE AT THE POST BETWEEN THE GROUND AND THE EDGE OF PAVEMENT OR TOP OF CURB

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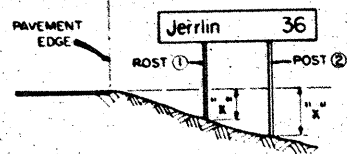
ONE POST LENGTHS NOTED HERE ARE FOR INFORMATION AND NOT TO BE USED FOR POST PLACEMENT. THE POSTS SHALL BE PLACED IN THE CENTER OF THE ROAD.

F* SPECIAL FOLDING SIGN
A*

SHEET 5 of 12
SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY) //

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

SUMMARY OF SMALL SIGNS (WITHOUT REMOVALS)															DATE	BY	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																												
PLAN SHEET NO	SIGN NO	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLATE NO	ALUMINUM TYPE A	TYPE OF MOUNT	UNITS	POST (1)	POST (2)	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"	6 1/2"	7"	7 1/2"	8"	8 1/2"	9"	9 1/2"	10"	10 1/2"	11"	11 1/2"	12"	12 1/2"	13"	13 1/2"	14"	14 1/2"	15"	15 1/2"	16"	16 1/2"	17"	17 1/2"	18"	18 1/2"	19"	19 1/2"	20"	20 1/2"	21"	21 1/2"	22"	22 1/2"	23"	23 1/2"	24"	24 1/2"	25"	25 1/2"	26"	26 1/2"	27"	27 1/2"	28"	28 1/2"	29"	29 1/2"	30"	30 1/2"	31"	31 1/2"	32"	32 1/2"	33"	33 1/2"	34"	34 1/2"	35"	35 1/2"	36"	36 1/2"	37"	37 1/2"	38"	38 1/2"	39"	39 1/2"	40"	40 1/2"	41"	41 1/2"	42"	42 1/2"	43"	43 1/2"	44"	44 1/2"	45"	45 1/2"	46"	46 1/2"	47"	47 1/2"	48"	48 1/2"	49"	49 1/2"	50"	50 1/2"	51"	51 1/2"	52"	52 1/2"	53"	53 1/2"	54"	54 1/2"	55"	55 1/2"	56"	56 1/2"	57"	57 1/2"	58"	58 1/2"	59"	59 1/2"	60"	60 1/2"	61"	61 1/2"	62"	62 1/2"	63"	63 1/2"	64"	64 1/2"	65"	65 1/2"	66"	66 1/2"	67"	67 1/2"	68"	68 1/2"	69"	69 1/2"	70"	70 1/2"	71"	71 1/2"	72"	72 1/2"	73"	73 1/2"	74"	74 1/2"	75"	75 1/2"	76"	76 1/2"	77"	77 1/2"	78"	78 1/2"	79"	79 1/2"	80"	80 1/2"	81"	81 1/2"	82"	82 1/2"	83"	83 1/2"	84"	84 1/2"	85"	85 1/2"	86"	86 1/2"	87"	87 1/2"	88"	88 1/2"	89"	89 1/2"	90"	90 1/2"	91"	91 1/2"	92"	92 1/2"	93"	93 1/2"	94"	94 1/2"	95"	95 1/2"	96"	96 1/2"	97"	97 1/2"	98"	98 1/2"	99"	99 1/2"	100"	100 1/2"	101"	101 1/2"	102"	102 1/2"	103"	103 1/2"	104"	104 1/2"	105"	105 1/2"	106"	106 1/2"	107"	107 1/2"	108"	108 1/2"	109"	109 1/2"	110"	110 1/2"	111"	111 1/2"	112"	112 1/2"	113"	113 1/2"	114"	114 1/2"	115"	115 1/2"	116"	116 1/2"	117"	117 1/2"	118"	118 1/2"	119"	119 1/2"	120"	120 1/2"	121"	121 1/2"	122"	122 1/2"	123"	123 1/2"	124"	124 1/2"	125"	125 1/2"	126"	126 1/2"	127"	127 1/2"	128"	128 1/2"	129"	129 1/2"	130"	130 1/2"	131"	131 1/2"	132"	132 1/2"	133"	133 1/2"	134"	134 1/2"	135"	135 1/2"	136"	136 1/2"	137"	137 1/2"	138"	138 1/2"	139"	139 1/2"	140"	140 1/2"	141"	141 1/2"	142"	142 1/2"	143"	143 1/2"	144"	144 1/2"	145"	145 1/2"	146"	146 1/2"	147"	147 1/2"	148"	148 1/2"	149"	149 1/2"	150"	150 1/2"	151"	151 1/2"	152"	152 1/2"	153"	153 1/2"	154"	154 1/2"	155"	155 1/2"	156"	156 1/2"	157"	157 1/2"	158"	158 1/2"	159"	159 1/2"	160"	160 1/2"	161"	161 1/2"	162"	162 1/2"	163"	163 1/2"	164"	164 1/2"	165"	165 1/2"	166"	166 1/2"	167"	167 1/2"	168"	168 1/2"	169"	169 1/2"	170"	170 1/2"	171"	171 1/2"	172"	172 1/2"	173"	173 1/2"	174"	174 1/2"	175"	175 1/2"	176"	176 1/2"	177"	177 1/2"	178"	178 1/2"	179"	179 1/2"	180"	180 1/2"	181"	181 1/2"	182"	182 1/2"	183"	183 1/2"	184"	184 1/2"	185"	185 1/2"	186"	186 1/2"	187"	187 1/2"	188"	188 1/2"	189"	189 1/2"	190"	190 1/2"	191"	191 1/2"	192"	192 1/2"	193"	193 1/2"	194"	194 1/2"	195"	195 1/2"	196"	196 1/2"	197"	197 1/2"	198"	198 1/2"	199"	199 1/2"	200"	200 1/2"	201"	201 1/2"	202"	20



THE X DIMENSION IS THE ELEVATION DIFFERENCE AT THE POST BETWEEN THE GROUND AND THE EDGE OF PAVEMENT OR TOP OF CURB

GENERAL NOTES

ALL SIGNS SHALL BE ERECTED ACCORDING TO THE STATION NUMBER SHOWN ON THE PLAN AND PROFILE SHEETS EXCEPT THAT THE ENGINEER MAY SHIFT A SIGN IN ORDER TO SECURE A MORE DESIRABLE LOCATION. THE ENGINEER WILL STAKE ALL SIGN LOCATIONS AND NO CHANGES IN THOSE LOCATIONS SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.

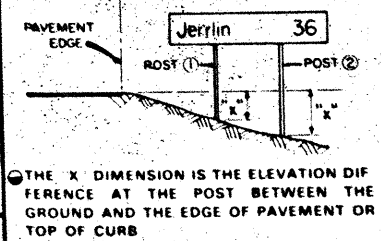
~~THE FOOT LOCKS WERE ARE AT~~
~~THE LOCKS THE CORRECTED FOOT~~
~~LOCKING OUT BY LOCKING BY THE~~
~~LOCKER AFTER THE LOCKER THE~~
~~PLACED THE LOCKS~~
F* } SPECIAL FOLDING SIGN
A* }

SHEET 6 of 12
**SUMMARY OF
 SMALL SIGNS
 (WITHOUT
 REMOVABLE
 COPY)** 12

STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT			COUNTY
18	6	F092(27)			12
COUNTY		CONTROL	SECTION	POS	WATER
DALLAS		261	2	33	1156

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

PLAN SHEET NO.	SIGN NO.	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	TYPE OF MOUNT	UNLIM. SIGN		GALVANIZED PIPE POSTS				GALVANIZED STEEL TUBES		TOTAL WEIGHT (LBS.)	SHEET TOTAL
								POST (1)	POST (2)	1" Ø	2" Ø	2 1/2" Ø	3" Ø	4" Ø	5" Ø		
33	10	M2-2T	FT IN	36 x 36	9.00		A			14.16						2.5	
11	R4-7		KEEP RIGHT (SYM)	24 x 30	5.00		A			14.44						2.5	
12	R6-1L		ONE WAY ARROW (LT)	36 x 12	3.00		A					12				2.5	
	R6-1R		ONE WAY ARROW (RT)	36 x 12	3.00		A					12				2.5	
13	R6-1R		ONE WAY ARROW (RT)	36 x 12	3.00		A					12				2.5	
	R6-1L		ONE WAY ARROW (LT)	36 x 12	3.00		A					12				2.5	
14	SRI-2		YIELD	42 x 42 x 42	5.30	2.00	A			11.75						3.5	
15	M3-1		NORTH	24" x 12"		4.00	B										
	M1-4A2		US 67	24" x 24"		2.25											
	M6-3		VERT DIR ARROW	21" x 15"		2.00											
	M3-3		SOUTH	24" x 12"		4.00											
	M1-4A2		US 67	24" x 24"		2.25											
	M6-1		HORZ DIR ARROW	21" x 15"													
16	M2-2T		FT IN	36 x 36	9.00		A			14.16						2.5	
17	R1-1		STOP	30 x 30	5.25		A			11.42						2.5	
	R5-1		DO NOT ENTER	30 x 30	6.25		A			11.42						3.5	
18	R1-1		STOP	30 x 30	5.25		A			13.42						2.5	
	R5-1		DO NOT ENTER	30 x 30	6.25		A			13.42						2.5	
19	R5-1a		WRONG WAY	36 x 24	6.00		A									2.5	
20	R5-1a		WRONG WAY	36 x 24	6.00		F			11.42						3.5	
22	SR5-1		DO NOT ENTER	48" x 48"	16.00		F			2.92						3.5	
	SW3-1		STOP AHEAD	48" x 48"	16.00		F			2.92						2.5	
23	SR5-1		DO NOT ENTER	48" x 48"	16.00		A			12.95						3.5	
	SW3-1		STOP AHEAD	48" x 48"	16.00		F			2.92						3.5	
24	SR1-2		YIELD	42 x 42 x 42	5.30		F			2.92						2.5	
25	SR5-1a		WRONG WAY	48" x 36"	12.00		F			2.92						3.5	
26	SR5-1a		WRONG WAY	48" x 36"	12.00		F			2.92						3.5	
28	FW4-1		MERGE (SYM)	48" x 48"	16.00		F			2.92						2.5	
29	M3-1		NORTH	24" x 12"		2.00	A			14.17							
	M1-4A2		US 67	24" x 24"		4.00											
	M6-2L		45° LT DIR ARROW	21" x 15"		2.25											
30	M3-1		NORTH	24" x 12"		2.00	A			14.17							
	M1-4A2		US 67	24" x 24"		4.00											
	M6-2L		45° LT DIR ARROW	21" x 15"		2.25											
31	R3-8U		ONLY	24 x 30	5.00		A			12.42						2.5	
32	SRI-2		YIELD	42 x 42 x 42	5.25		A			12.95						2.5	
33	SW4-2		WATCH FOR ICE ON BRIDGE	48 x 48	16.00		F*			2.92						3.5	
34	M3-3		SOUTH	21" x 11"		2.00	A			14.17						2.5	
	M1-4A2		US 67	24" x 24"		4.00											
	M5-1L		90° UP LT ARROW	21" x 15"		2.25											
35	M2-2T		FT IN	36 x 36	9.00		A			14.16						2.5	
36	R4-7		KEEP RIGHT (SYM)	24 x 30	5.00		A			12.42						2.5	
37	R6-1L		ONE WAY ARROW (LT)	36 x 12	3.00		A			11.42						2.5	
	R6-1R		ONE WAY ARROW (RT)	36 x 12	3.00		A			11.42						2.5	
38	R6-1K		ONE WAY ARROW (LT)	36 x 12	3.00		A										
	R6-1L		ONE WAY ARROW (LT)	36 x 12	3.00		B			11.75						3.5	
33	M3-3		SOUTH	24" x 12"		2.00											
	M1-4A2		US 67	24" x 24"		4.00											
	M6-3		VERT DIR ARROW	21" x 15"		2.25											
	M3-1		NORTH	24" x 12"		2.00											
	M1-4A2		US 67	24" x 24"		4.00											
	M6-1		HORZ DIR ARROW	21" x 15"		2.25											
SHEET TOTALS					236.15	57.75				23.58	2.30					70.5	



GENERAL NOTES:

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~~ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. THE CORRECTED COPY OF THIS DOCUMENT WILL BE FURNISHED BY THE NATIONAL ARCHIVES. THE CONTRACTOR HAS MAILED THE COPY TO THE NATIONAL ARCHIVES.~~

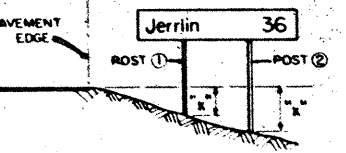
1-1-10
A* }

SHEET 7 OF 12

**SUMMARY OF
SMALL SIGNS
(WITHOUT
REMOVABLE
COPY) / 3**

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

PLAN SHEET NO.	SIGN SHEET NO.	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	TYPE OF MOUNT	"X" DIMENSION		GALVANIZED PIPE POSTS				GALVANIZED STRUCTURAL STEEL			NON-REINFORCED PART			
								POST 1	POST 2	1 1/2"	2"	2 1/2"	3"	3 1/2"	SIZE	POST 1		POST 2	TOTAL WEIGHT LBS.	
33	40	R-1 STOP		30" x 30"	5.25		A													2.5
		R5-1 DO NOT ENTER		30" x 30"	6.25		A													2.5
41		R-1 STOP		30" x 30"	5.25		A													2.5
		R5-1 DO NOT ENTER		30" x 30"	6.25		A													
42		W12-2 FT IN		36" x 36"	9.00															
43		W5-10 WRONG WAY		36" x 24"	6.00		MOUNT ON END OF 516-N #45													
44		W5-10 WRONG WAY		36" x 24"	6.00		A													2.5
33	46	R3-80 ONLY		24" x 30"	5.00		A													2.5
47		M3-3 SOUTH		24" x 12"	2.00		A													2.5
		M1-42 US 67		24" x 24"	4.00															
		M6-1 HORIZ DIR ARROW		21" x 15"	2.15		A													
33	48	M3-1 NORTH		24" x 12"	2.00															
		M1-42 US 67		24" x 24"	4.00															
		M6-1 HORIZ DIR ARROW		21" x 15"	2.15															
34	1	SW12-2 WATCH FOR ICE ON BRIDGE		48" x 48"	16.00		F*													3.5
	2	W12-2 WATCH FOR ICE ON BRIDGE		36" x 36"	9.00		A*													2.5
4		W12-2 EXIT 40 MPH		48" x 60"	20.00		F													
7		R6-1R ONE WAY ARROW (RT)		36" x 12"	3.00		A													2.5
8		W12-2 WATCH FOR ICE ON BRIDGE		36" x 36"	9.00		A*													2.5
		SW12-2 WATCH FOR ICE ON BRIDGE		48" x 48"	16.00		F*													3.5
11		SW12-2 FT IN		48" x 48"	16.00		F													3.5
12		FR2-1 SPEED LIMIT 55		48" x 60"	20.00		F													3.5
34	13	FR2-1 SPEED LIMIT 55		48" x 60"	20.00		F													3.5
35	1	M3-3 SOUTH		24" x 12"	2.00		A													2.5
		M1-42 US 67		24" x 24"	4.00															
		M6-2L 45° LT DIR ARROW		21" x 15"	2.25															
2		M3-3 SOUTH		24" x 12"	2.00		A													2.5
		M1-42 US 67		24" x 24"	4.00															
		M6-2L 45° LT DIR ARROW		21" x 15"	2.25															
35	3	M3-1 NORTH		24" x 12"	2.00		B													3.5
		M1-42 US 67		24" x 24"	4.00															
		M6-3 VERT DIR ARROW		21" x 15"	2.25															
		M3-3 SOUTH		24" x 12"	2.00															
		M1-42 US 67		24" x 24"	4.00															
		M6-1 HORIZ DIR ARROW		21" x 15"	2.25															
SHEET TOTALS					178.00	49.50														54.5



THE "X" DIMENSION IS THE ELEVATION DIFFERENCE AT THE POST BETWEEN THE GROUND AND THE EDGE OF PAVEMENT OR TOP OF CURB

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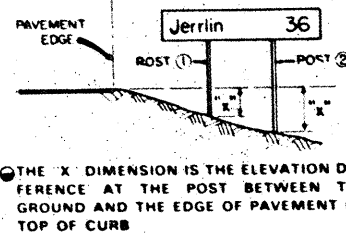
AX SPECIAL FOLDING SIGN
F*

SHEET 8 OF 12

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY) 14

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE POSTS)																	
PLAN SHEET NO.	SIGN SHEET NO.	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	TYPE OF MOUNT	"X" DIMENSION		GALVANIZED PIPE POSTS				GALVANIZED STRUCTURAL STEEL			DRILLED SHAFT NON-REINFORCED PART LINEAR FEET 12" O
								post ①	post ②	1 1/2"	2"	2 1/2"	3"	3 1/2"	SIZE	post ①	
35	4	R6-1R	ONE WAY ARROW (RT)	36 x 12	3.00		A										2.5
		R6-1L	ONE WAY ARROW (LT)	36 x 12	3.00		A										
	5	R6-1R	ONE WAY ARROW (RT)	36 x 12	3.00		A										
		R6-1L	ONE WAY ARROW (LT)	36 x 12	3.00		A										
6	M3-3	SOUTH		24" x 12"		2.00	A										2.5
	M4-4R	US 67		24" x 24"		4.00											
	M6-1	HORIZ DIR ARROW		21" x 12"		2.25											
7	R1-1	STOP		30 x 30	5.25		A										2.5
	R5-1	DO NOT ENTER		30 x 30	6.25		A										2.5
8	R1-1	STOP		30 x 30	5.25		A										2.5
	R5-1	DO NOT ENTER		30 x 30	6.25		A										2.5
9	R5-1	WRONG WAY		36 x 14	6.00		A										2.5
10	R5-1	WRONG WAY		36 x 24	6.00		A										2.5
11	R1-1	STOP		30 x 30	5.25		A										2.5
13	R6-1R	ONE WAY ARROW (RT)		36" x 12"	3.00		A										2.5
14	R6-1R	ONE WAY ARROW (RT)		36" x 12"	3.00		A										2.5
15	R6-1R	ONE WAY ARROW (RT)		36 x 36	9.00		A*										3.5
16	W14-2	WATCH FOR ICE ON BRIDGE		48" x 48"	16.00		F										2.5
17	F14-1	MERGE (RT)		42 x 42 x 42	5.25		A										2.5
18	S1-1-2	YIELD		24" x 12"		2.00	A										2.5
19	M3-1	NORTH		24" x 24"		4.00											
	M4-4R	US 67		21" x 15"		2.25											
20	W14-2	WATCH FOR ICE ON BRIDGE		36 x 36	9.00		A*										2.5
21	M3-3	SOUTH		24" x 12"		2.00	B										3.5
	M4-4R	US 67		21" x 15"		2.25											
	M6-3	VERT DIR ARROW		24" x 12"		2.00											
	M3-1	NORTH		24" x 24"		4.00											
	M4-4R	US 67		21" x 15"		2.25											
22	R6-1R	ONE WAY ARROW (RT)		36 x 12	3.00		A										2.5
	R6-1L	ONE WAY ARROW (LT)		36 x 12	3.00		A										
23	R6-1R	ONE WAY ARROW (RT)		36 x 12	3.00		A										2.5
	R6-1L	ONE WAY ARROW (LT)		36 x 12	3.00		A										2.5
24	R1-1	STOP		30 x 30	5.25		A										2.5
	R5-1	DO NOT ENTER		30 x 30	6.25		A										2.5
25	R1-1	STOP		30 x 30	5.25		A										2.5
	R5-1	DO NOT ENTER		30 x 30	6.25		A										2.5
26	R5-1a	WRONG WAY		36 x 24	6.00		A										2.5
27	R5-1a	WRONG WAY		36 x 24	6.00		A										2.5
30	S1-1-2	YIELD		42 x 42 x 42	5.25		A										2.5
31	SW3-1	DO NOT ENTER		18" x 48"	16.00		F										3.5
	SW3-1	STOP AHEAD		48" x 48"	16.00		F										3.5
32	SW3-1	DO NOT ENTER		48" x 48"	16.00		F										3.5
	SW3-1	STOP AHEAD		48" x 48"	16.00		F										3.5
33	SW3-1a	WRONG WAY		48" x 36"	12.00		F										3.5
34	SW3-1a	WRONG WAY		48" x 36"	12.00		F										2.5
35	R6-1R	ONE WAY ARROW (RT)		36" x 12"	3.00		A										3.5
36	W13-2	EXIT 0 MPH		48" x 60"	20.00		F										3.5
SHEET TOTALS																	72.0



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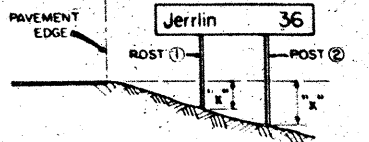
A. SPECIAL FOLDING SIGN

SHEET 9 OF 12
SUMMARY OF
SMALL SIGNS
(WITHOUT
REMOVABLE
COPY) 15

STATE	FEDERAL DISTRICT	FEDERAL AID PROJECT	SHEET
18	5	F592(27)	15
COUNTY	SECTION	JOB	DATE
JALLAS	261	2	3/15/67

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

SUMMARY OF 8 SMALL SIGNS (WITHOUT REMOVALS)																	
PLAN SHEET NO.	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	TYPE OF MOUNT	DIMENSION		GALVANIZED PIPE POSTS					GALVANIZED STEEL		TOTAL WEIGHT LBS.	TOTAL SIGN AREA SQ. FT.
							POST (1)	POST (2)	1 1/2"	2"	2 1/2"	3"	3 1/2"	SIZE	POST (1)		
36	2	YIELD	42"x42"x42"	5.25		A											2.5
	3	SRS-1 DO NOT ENTER	48"x48"	16.00		F											3.5
	3	SW3-1 STOP AHEAD	48"x48"	16.00		F											3.5
	4	SRS-1 DO NOT ENTER	48"x48"	16.00		F											3.5
	4	SW3-1 STOP AHEAD	48"x48"	16.00		F											3.5
	5	SRS-1a WRONG WAY	48"x36"	12.00		F											3.5
	6	SRS-1a WRONG WAY	48"x36"	12.00		F											3.5
	8	W13-2 EXIT 40 MPH	48"x60"	20.00		F											2.5
	9	R1-1 STOP	30"x30"	5.25		A											2.5
	10	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
	12	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
	13	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
	14	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
	15	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
	16	M3-1 NORTH	24"x12"		2.00	A											2.5
	16	W1-4R2 L/S 67	24"x24"		4.00	A											2.5
	17	M3-1 NORTH	24"x12"		2.00	A											2.5
	17	W1-4R2 L/S 67	24"x24"		4.00	A											2.5
	16-21	45° LT DIR ARROW	21"x15"		2.25	A											2.5
	18	M3-1 NORTH	24"x12"		2.00	A											2.5
	18	W1-4R2 L/S 67	24"x24"		4.00	A											2.5
	16-21	45° LT DIR ARROW	21"x15"		2.25	A											2.5
	19	FW4-1 MERGE (RT)	48"x48"	16.00		F											3.5
	20	SRI-2 YIELD	42"x42"x42"	5.25		A											2.5
	21	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
	22	SW12-2 FT IN	48"x48"	16.00		F											3.5
	23	D10-5 MILE 30	12"x36"		3.00				10.00								
	24	D10-5 MILE 30	12"x36"		3.00				10.00								
37	1	FR2-1 SPEED LIMIT 55	48"x60"	20.00		F											3.5
	2	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
	3	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
	4	R1-1 STOP	30"x30"	5.25		A											2.5
	5	M3-3 SOUTH	24"x12"		2.00	A											2.5
	5	W1-4R2 L/S 67	24"x24"		4.00	A											2.5
	7	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
	8	W19-2 WATCH FOR ICE ON BRIDGE	36"x36"	9.00		A*											2.5
	9	SW19-2 WATCH FOR ICE ON BRIDGE	48"x48"	16.00		F*											3.5
	10	SW19-2 WATCH FOR ICE ON BRIDGE	48"x48"	16.00		F*											3.5
	11	SR5-1a WRONG WAY	48"x36"	12.00		F											3.5
	12	SR5-1a WRONG WAY	48"x36"	12.00		F											3.5
	14	W13-2 EXIT 40 MPH	48"x60"	20.00		F											3.5
	15	W19-2 WATCH FOR ICE ON BRIDGE	36"x36"	9.00		A*											2.5
	17	SW19-2 WATCH FOR ICE ON BRIDGE	48"x48"	16.00		F*											3.5
	18	SW12-2 FT IN	48"x48"	16.00		F											2.5
	19	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
37	20	R6-1R ONE WAY ARROW (RT)	36"x12"	3.00		A											2.5
		SHEET TOTALS		340.00	34.50				20.00	189.24							1050



THE "X" DIMENSION IS THE ELEVATION DIFFERENCE AT THE POST BETWEEN THE GROUND AND THE EDGE OF PAVEMENT OR TOP OF CURB

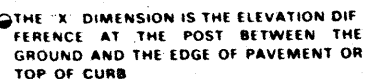
GENERAL NOTES:
ALL SIGNS SHALL BE ERECTED ACCORDING TO THE STATION NUMBER SHOWN ON THE PLAN AND PROFILE SHEETS EXCEPT THAT THE ENGINEER MAY SHIFT A SIGN IN ORDER TO SECURE A MORE DESIRABLE LOCATION THE ENGINEER WILL STAKE ALL SIGN LOCATIONS AND NO CHANGES IN THOSE LOCATIONS SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER

THE POST AND SIGN SHALL BE ERECTED AND MAINTAINED IN THE FOLLOWING MANNER:
A* SPECIAL FOLDING SIGN
F* SPECIAL FOLDING SIGN

SHEET 10 OF 12
SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY) 16

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

PLAN SHEET NO.	SIGN NO.	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PL. (W/OUT) TYPE A	AL. (W/OUT) TYPE A	TYPE OF MOUNT	INSTALLATION	1" Ø	2" Ø	3" Ø	4" Ø	5" Ø	6" Ø	7" Ø	8" Ø	9" Ø	10" Ø	11" Ø	12" Ø	13" Ø	14" Ø	15" Ø	16" Ø	17" Ø	18" Ø	19" Ø	20" Ø	21" Ø	22" Ø	23" Ø	24" Ø	25" Ø	26" Ø	27" Ø	28" Ø	29" Ø	30" Ø	31" Ø	32" Ø	33" Ø	34" Ø	35" Ø	36" Ø	37" Ø	38" Ø	39" Ø	40" Ø	41" Ø	42" Ø	43" Ø	44" Ø	45" Ø	46" Ø	47" Ø	48" Ø	49" Ø	50" Ø	51" Ø	52" Ø	53" Ø	54" Ø	55" Ø	56" Ø	57" Ø	58" Ø	59" Ø	60" Ø	61" Ø	62" Ø	63" Ø	64" Ø	65" Ø	66" Ø	67" Ø	68" Ø	69" Ø	70" Ø	71" Ø	72" Ø	73" Ø	74" Ø	75" Ø	76" Ø	77" Ø	78" Ø	79" Ø	80" Ø	81" Ø	82" Ø	83" Ø	84" Ø	85" Ø	86" Ø	87" Ø	88" Ø	89" Ø	90" Ø	91" Ø	92" Ø	93" Ø	94" Ø	95" Ø	96" Ø	97" Ø	98" Ø	99" Ø	100" Ø	101" Ø	102" Ø	103" Ø	104" Ø	105" Ø	106" Ø	107" Ø	108" Ø	109" Ø	110" Ø	111" Ø	112" Ø	113" Ø	114" Ø	115" Ø	116" Ø	117" Ø	118" Ø	119" Ø	120" Ø	121" Ø	122" Ø	123" Ø	124" Ø	125" Ø	126" Ø	127" Ø	128" Ø	129" Ø	130" Ø	131" Ø	132" Ø	133" Ø	134" Ø	135" Ø	136" Ø	137" Ø	138" Ø	139" Ø	140" Ø	141" Ø	142" Ø	143" Ø	144" Ø	145" Ø	146" Ø	147" Ø	148" Ø	149" Ø	150" Ø	151" Ø	152" Ø	153" Ø	154" Ø	155" Ø	156" Ø	157" Ø	158" Ø	159" Ø	160" Ø	161" Ø	162" Ø	163" Ø	164" Ø	165" Ø	166" Ø	167" Ø	168" Ø	169" Ø	170" Ø	171" Ø	172" Ø	173" Ø	174" Ø	175" Ø	176" Ø	177" Ø	178" Ø	179" Ø	180" Ø	181" Ø	182" Ø	183" Ø	184" Ø	185" Ø	186" Ø	187" Ø	188" Ø	189" Ø	190" Ø	191" Ø	192" Ø	193" Ø	194" Ø	195" Ø	196" Ø	197" Ø	198" Ø	199" Ø	200" Ø	201" Ø	202" Ø	203" Ø	204" Ø	205" Ø	206" Ø	207" Ø	208" Ø	209" Ø	210" Ø	211" Ø	212" Ø	213" Ø	214" Ø	215" Ø	216" Ø	217" Ø	218" Ø	219" Ø	220" Ø	221" Ø	222" Ø	223" Ø	224" Ø	225" Ø	226" Ø	227" Ø	228" Ø	229" Ø	230" Ø	231" Ø	232" Ø	233" Ø	234" Ø	235" Ø	236" Ø	237" Ø	238" Ø	239" Ø	240" Ø	241" Ø	242" Ø	243" Ø	244" Ø	245" Ø	246" Ø	247" Ø	248" Ø	249" Ø	250" Ø	251" Ø	252" Ø	253" Ø	254" Ø	255" Ø	256" Ø	257" Ø	258" Ø	259" Ø	260" Ø	261" Ø	262" Ø	263" Ø	264" Ø	265" Ø	266" Ø	267" Ø	268" Ø	269" Ø	270" Ø	271" Ø	272" Ø	273" Ø	274" Ø	275" Ø	276" Ø	277" Ø	278" Ø	279" Ø	280" Ø	281" Ø	282" Ø	283" Ø	284" Ø	285" Ø	286" Ø	287" Ø	288" Ø	289" Ø	290" Ø	291" Ø	292" Ø	293" Ø	294" Ø	295" Ø	296" Ø	297" Ø	298" Ø	299" Ø	300" Ø	301" Ø	302" Ø	303" Ø	304" Ø	305" Ø	306" Ø	307" Ø	308" Ø	309" Ø	310" Ø	311" Ø	312" Ø	313" Ø	314" Ø	315" Ø	316" Ø	317" Ø	318" Ø	319" Ø	320" Ø	321" Ø	322" Ø	323" Ø	324" Ø	325" Ø	326" Ø	327" Ø	328" Ø	329" Ø	330" Ø	331" Ø	332" Ø	333" Ø	334" Ø	335" Ø	336" Ø	337" Ø	338" Ø	339" Ø	340" Ø	341" Ø	342" Ø	343" Ø	344" Ø	345" Ø	346" Ø	347" Ø	348" Ø	349" Ø	350" Ø	351" Ø	352" Ø	353" Ø	354" Ø	355" Ø	356" Ø	357" Ø	358" Ø	359" Ø	360" Ø	361" Ø	362" Ø	363" Ø	364" Ø	365" Ø	366" Ø	367" Ø	368" Ø	369" Ø	370" Ø	371" Ø	372" Ø	373" Ø	374" Ø	375" Ø	376" Ø	377" Ø	378" Ø	379" Ø	380" Ø	381" Ø	382" Ø	383" Ø	384" Ø	385" Ø	386" Ø	387" Ø	388" Ø	389" Ø	390" Ø	391" Ø	392" Ø	393" Ø	394" Ø	395" Ø	396" Ø	397" Ø	398" Ø	399" Ø	400" Ø	401" Ø	402" Ø	403" Ø	404" Ø
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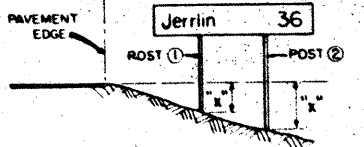
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AT 51-14 TOLDING 5-11

STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT			①	SHEET
18	6	F592(27)				17
COUNTY		CONTROL	SECTION	JOB	SEQUENCE	
DALLAS		261	2	33	US67	

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COPY)

SUMMARY OF SMALL SIGNS (WITHOUT REMOVABLE COAT)																	DRILLED SHAFT NON-REINFORCED PART LINEAR FEET 12" O C.I.F.
PLAN SHEET NO.	SIGN NO.	SIGN TYPE	SIGN TEXT	SIGN DIMENSIONS	PLYWOOD TYPE A SQUARE FEET	ALUMINUM TYPE A SQUARE FEET	TYPE OF MOUNT	"X" DIMENSION		GALVANIZED PIPE POSTS				GALVANIZED STRUCTURAL STEEL			TOTAL WEIGHT LBS
								post ①	post ②	1 1/2"	2"	2 1/2"	3"	3 1/2"	SIZE	LINEAR FEET post ①	
38	45	R3-56	ONLY	30x36	7.50		A			1 1/2"	2"	2 1/2"	3"	3 1/2"			2.5
	46	R3-75	RIGHT LANE MUST TURN RIGHT	30x30	6.25		A				12.42						2.5
	47	R3-75	RIGHT LANE MUST TURN RIGHT	30x30	6.25		A				11.42						2.5
	31	W19-2	WATCH FOR ICE ON BRIDGE	36x36	9.00		A*				14.16						
	33	R5-10	WRONG WAY	36x24	6.00		MOUNT ON BACK OF SIGN # 32										
	34	R5-10	WRONG WAY	36x24	6.00		A				11.12						2.5
	35	SR-2	YIELD	42x42x42	5.25		A				12.95						3.5
	36	SR5-1	DO NOT ENTER	48"x48"	16.00		F				2.92		14.50				3.5
	37	SR3-1	STOP AHEAD	48"x48"	16.00		F				2.92		14.50				3.5
	37	SR5-1	DO NOT ENTER	48"x48"	16.00		F				2.92		14.50				3.5
	38	SR3-1	STOP AHEAD	48"x48"	16.00		F				2.92		14.50				2.5
	38	SR4-1	MERGE (Symbol)	48"x48"	16.00		A				14.16						2.5
	39	R4-1	KEEP RT (SYM)	24 x 30	6.00		MOUNT ON BACK OF SIGN # 39										2.5
	40	W4-2R	RIGHT LANE ENDS (SYM)	36 x 36	9.00		A				12.15						2.5
	40	SR1-2	YIELD	42x42x42	5.25		A										2.5
	41	SR1-2	YIELD	42x42x42	5.25		A				12.15						2.5
	42	SR1-2	YIELD	42x42x42	5.25		A				12.95						2.5
	48	W16-1	DIVIDED HWY AHEAD (SYM)	36 x 36	9.00		A				14.16						2.5
38	49	R3-56	ONLY	30x36	7.50		B			9.50			11.32				3.5
	49	R3-55	ONLY	30x36	7.50												
39	2	W13-2	EXIT 40 MPH	48"x60"	20.00		F				2.92		15.50				3.5
	3	R6-1R	ONE WAY ARROW (RT)	36"x12"	3.00		A				10.42						2.5
	4	R6-1R	ONE WAY ARROW (RT)	36"x12"	3.00		A				10.42						2.5
	7	SW12-1	FT IN	48x48	16.00		F				2.92		14.92				3.5
	8	M3-1	NORTH	24"x12"	2.00		A				14.17						2.5
	11	M4-2	US 67	24"x24"	4.00		A										2.5
	9	R6-1R	ONE WAY ARROW (RT)	36 x 12	3.00		A				10.92						2.5
	10	R6-1R	ONE WAY ARROW (RT)	36 x 12	3.00		A				10.92						2.5
	11	SW12-1	FT IN	48 x 48	16.00		F				2.92		14.92				3.5
	12	D10-5	MILE 28	12x36	3.00					10.00							
	13	D10-5	MILE 28	12x36	3.00					10.00							
	14	D10-5	MILE 29	12x36	3.00					10.00							
39	15	D10-5	MILE 29	12x36	3.00					10.00							
			SHEET TOTALS		245.00	18.00				40.00	9.50	219.35		100.59			64.5
			PROJECT TOTALS		2854.25	684.50				140.00	196.50	2892.31		14324	2244		891.0



THE "X" DIMENSION IS THE ELEVATION DIFFERENCE AT THE POST BETWEEN THE GROUND AND THE EDGE OF PAVEMENT OR TOP OF CURB

GENERAL NOTES:

ALL SIGNS SHALL BE ERECTED ACCORDING TO THE STATION NUMBER SHOWN ON THE PLAN AND PROFILE SHEETS EXCEPT THAT THE ENGINEER MAY SHIFT A SIGN IN ORDER TO SECURE A MORE DESIRABLE LOCATION. THE ENGINEER WILL STAKE ALL SIGN LOCATIONS AND NO CHANGES IN THOSE LOCATIONS SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING INFORMATION IS FOR THE ENGINEER'S USE ONLY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE.

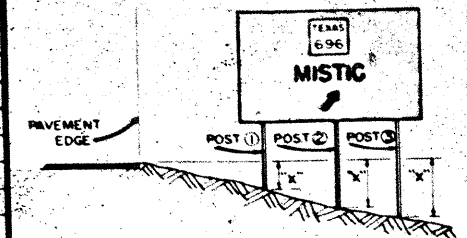
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SHEET 12 OF 12
SUMMARY OF
SMALL SIGNS
(WITHOUT
REMOVABLE
COPY) / 8

STATE PROJECT	FEDERAL AID PROJECT	SHEET
18 6	F592(27)	13
COUNTY	CONTROL SECTION	DATE
JALLAS	261 2	33 11/5/67

SUMMARY OF SIGNS WITH REMOVABLE COPY

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 or ALTERNATE ALUMINUM TYPE C SQUARE FEET	TYPE OF MOUNT	"X" DIMENSION			GALVANIZED PIPE POSTS				GALVANIZED STRUCTURAL STEEL				DRILLED SHAFT				NON-PART	
										post ①	post ②	post ③	LINEAR FEET				SIZE	LINEAR FEET			TOTAL WEIGHT LBS.	LINEAR FEET				
													1 1/2"	2"	2 1/2"	3"		①	②	③		12"	24"	30"		36"
22	1		Green	Pleasant Run Rd Joe Wilson Rd EXIT 1 MILE	20'0"X8'0"	160.00			330							W6x9	19.90	21.00	21.90	665		15.0				
24	6	E5-1	Green	EXIT 1382	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
24	7	M1-GF48	White	Grand Prairie, DeSoto	86"x36"		21.50		320							W6x15	20.30	18.70		621		12.0				
			Green		17'0"x10'0"	170.00			320							54x7.7	15.16	13.76	12.36	423	10.5					
25	9		Green	Pleasant Run Rd, Joe Wilson Rd	20'6"x6'6"	133.25			330																	
26	3		Green	Pleasant Run Rd EAST, WEST	10'0"x3'0"	30.00			320							53x5.7	10.00	10.00		172	7.0					
	26			Joe Wilson Rd	10'6"x4'0"	42.00			320							53x5.7	11.06	9.46		175	7.0					
				Pleasant Run Rd WEST, EAST																						
26	34	E5-1	Green	EXIT	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
27	4		Green	Wintergreen Rd, Main St EXIT 1 MILE	18'6"x8'0"	148.00			330							W6x9	13.50	10.70	10.70	414		15.0				
28		M1-GF48	White	1382	86"x36"		21.50		320							W8x18	22.90	24.50		897		14.0				
			Green	Grand Prairie, DeSoto	17'0"x12'0"	204.00																				
	15		Green	EXIT 1 MILE	11'6"x4'0"	46.00			320							53x5.7	13.46	12.26		204	7.0					
				Pleasant Run Rd																						
				Joe Wilson Rd SOUTH, NORTH																						
28	36		Green	Joe Wilson Rd NORTH, SOUTH	10'0"x3'0"	30.00			320							53x5.7	10.00	10.00		172	7.0					
29	7	E5-1	Green	EXIT	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
29	5		Green	Joe Wilson Rd Pleasant Run Rd	20'6"x6'6"	133.25			330							W6x9	16.10	15.00	13.90	505		13.5				
30	4	E5-1	Green	EXIT	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
30	5		Green	Wintergreen Rd, Main Street	18'6"x6'6"	120.25			330							W6x9	16.70	15.90	15.80	535		15.0				
31	13		Green	Wintergreen Rd EAST, WEST	9'6"x3'0"	28.50			320							53x5.7	10.00	10.00		172	7.0					
	14		Green	Danielsdale Rd, EXIT 1 MILE	16'6"x5'6"	90.75			320							W6x9	18.00	20.80		434		10.0				
	28		Green	Duncanville, CITY LIMIT	7'6"x3'0"	22.50			320							53x5.7	11.00	11.00		183	7.0					
	29		Green	Cedar Hill, CITY LIMIT	6'6"x3'0"	19.50			Mount on Back of Sign 28																	
	30		Green	Main Street	9'6"x4'0"	38.00			320							53x5.7	12.46	11.46		194	7.0					
				Wintergreen Rd WEST, EAST																						
	23		Green	Duncanville CITY LIMIT	7'6"x3'0"	22.50			320							53x5.7	11.00	11.00		183	7.0					
31	24		Green	Cedar Hill CITY LIMIT	6'6"x3'0"	19.50			320							53x5.7	11.00	11.00		183	7.0					
32	10		Green	Joe Wilson Rd, Pleasant Run Rd EXIT 1 MILE	20'0"x8'0"	160.00			330							W6x12	18.90	20.00	18.90	815		16.5				
33	1	E5-1	Green	EXIT	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
	3	M1-ICR	Red/White	20	3'0"x3'0"		7.25		320							W8x18	24.50	26.50		962		14.0				
			Green	Ft Worth Shreveport EXIT 2 1/2 MILES	14'0"x12'0"	168.00																				
	4		Green	Wintergreen Road	15'0"x6'6"	97.50			320							W6x12	19.00	21.00		561		11.0				
	21		Green	Main Street SOUTH NORTH	9'6"x3'0"	28.50			320							53x5.7	10.00	10.00		172	7.0					
	27		Green	Wintergreen Rd, NEXT RIGHT	18'6"x5'0"	92.50										W6x9	17.30	19.10	21.10	527		15.0				
33	25		Green	Main Street NORTH SOUTH	9'6"x3'0"	28.50			320							53x5.7	10.00	10.00		172						
SHEET TOTALS						2,180.00	50.25													10,281	115.5	151.0				



THE "X" DIMENSION IS THE ELEVATION DIFFERENCE AT THE POST BETWEEN THE GROUND AND THE EDGE OF PAVEMENT OR TOP OF CURB

GENERAL NOTES:

ALL SIGNS SHALL BE ERECTED ACCORDING TO THE STATION NUMBER SHOWN ON THE PLAN AND PROFILE SHEETS EXCEPT THAT THE ENGINEER MAY SHIFT A SIGN IN ORDER TO SECURE A MORE DESIRABLE LOCATION. THE ENGINEER WILL STAKE ALL SIGN LOCATIONS AND NO CHANGES IN THOSE LOCATIONS SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.

THE POST LENGTHS LISTED HERE ARE APPROXIMATIONS. THE CORRECTED POST LENGTHS WILL BE FURNISHED BY THE ENGINEER AFTER THE CONTRACTOR HAS PLACED THE SUB-RODS.

TOWER HEIGHTS SHALL BE VERIFIED WITH THE ENGINEER BEFORE FABRICATION.

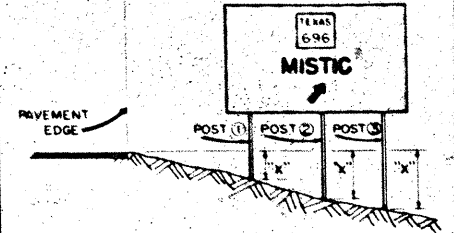
SHEET 1 OF 2
SUMMARY OF
SIGNS WITH
REMOVABLE COPY

STATE	FEDERAL AID PROJECT	SHEET
18	6	12
COUNTY	SECTION	JOB
DALLAS	261	2

1PE 703A

SUMMARY OF SIGNS WITH REMOVABLE COPY

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 or ALTERNATE ALUMINUM TYPE C, SQUARE FEET	TYPE OF MOUNT	"X" DIMENSION			GALVANIZED PIPE POSTS				GALVANIZED STRUCTURAL STEEL				DRILLED SHAFT				NON-PART	
										post 1	post 2	post 3	LINEAR FEET				SIZE	post 1	post 2	post 3	TOTAL WEIGHT LBS.	LINEAR FEET				
													1 1/2"	2"	2 1/2"	3"						12"	24"	30"		36"
34	5	E5-1	Green	EXIT #	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
	6		Green	Main St #	7'6"x6'6"	48.75			320							54x7.7	18.76	19.16		362	7.0					
	10		Green	Daineldale, Road #	3'0"x6'6"	84.50			320							W6x9	16.00	16.60		360		9.0				
	14		Green	Ten Mile Creek	6'0"x3'6"	21.00			320							53x5.7	11.50	11.75		190.	7.0					
34	15		Green	Ten Mile, Creek	6'0"x3'6"	21.00			320							53x5.7	11.50	11.75		190.						
35	12		Green	Danieldale Rd, EAST, WEST	9'0"x3'0"	27.00			320							53x5.7	10.00	10.00		172	7.0					
	28		Green	Danieldale Rd, WEST, EAST	9'0"x3'0"	27.00			320							53x5.7	10.00	10.00		172	7.0					
	29		Green	Cockrell Hill Rd, EXIT 3/4 MILE	19'0"x5'6"	104.50			330							54x7.7	10.80	9.50	8.40	324	10.5					
35	37	E5-1	Green	EXIT #	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
36	1		Green	Main St, EXIT 1/2 MILE	12'0"x5'6"	66.00			320							54x7.7	9.76	8.36		210	7.0					
	7	E5-1	Green	EXIT #	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
36	11		Green	Danieldale, Road #	13'0"x6'6"	84.50			320							W6x9	15.00	16.40		349		9.0				
37	13	E5-1	Green	EXIT #	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
37	16		Green	Cockrell Hill, Road #	15'6"x6'6"	100.75			320							W6x9	15.80	16.00		353		9.0				
38	1		Green	Wheatland Rd, Comp Wisdom Rd	20'6"x8'0"	164.00			330							W6x9	14.70	13.90	11.10	457		13.5				
				EXIT 1/2 MILE																						
	13		Green	Cockrell Hill Rd, SOUTH, NORTH	9'6"x3'0"	28.50			320							53x5.7	10.00	10.00		172	7.0					
	19		Green	Danieldale Rd, EXIT 3/4 MILE	16'6"x5'6"	90.75			320							54x7.7	9.76	7.96		207	7.0					
	32		Green	Cockrell Hill Rd, NORTH, SOUTH	9'6"x3'0"	28.50			320							53x5.7	10.00	10.00		172	7.0					
38	4344		WHITE	ONLY # ONLY	(ON SIGN - SIGN SUMMARY)				SPECIAL	SIGNAL MAST ARM (SEE SHEET # 44)												9.0				
39	1	E5-1	Green	EXIT #	6'0"x5'0"	30.00			320							53x5.7	11.46	11.46		188	7.0					
	5		Green	Cockrell Hill Road #	15'6"x6'6"	100.75			320							W6x9	16.60	16.00		360		9.0				
39	6		Green	Cockrell Hill Rd, EXIT 1 MILE	19'0"x5'6"	104.50			330							W4x7.7	14.80	15.40	15.80	460	10.5					



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GENERAL NOTES:

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9 THE POST LENGTHS LISTED HERE ARE APPROXIMATIONS ~~THE CORRECTED POST LENGTHS WILL BE FURNISHED BY THE ENGINEER AFTER THE CONTRACTOR HAS PLACED THE STUB POSTS~~

TOWER HEIGHTS SHALL BE VERIFIED WITH THE ENGINEER BEFORE FABRICATION.

SHEET 2 OF 2

**SUMMARY OF
SIGNS WITH
REMOVABLE COPY**

STATE DISTRICT	FEDERAL ROAD	FEDERAL AID PROJECT	COUNTY
18	6	F592(a7)	20
COUNTY		CONTROL SECTION	JOB HIGHWAY
DALLAS		261 2	33 US67

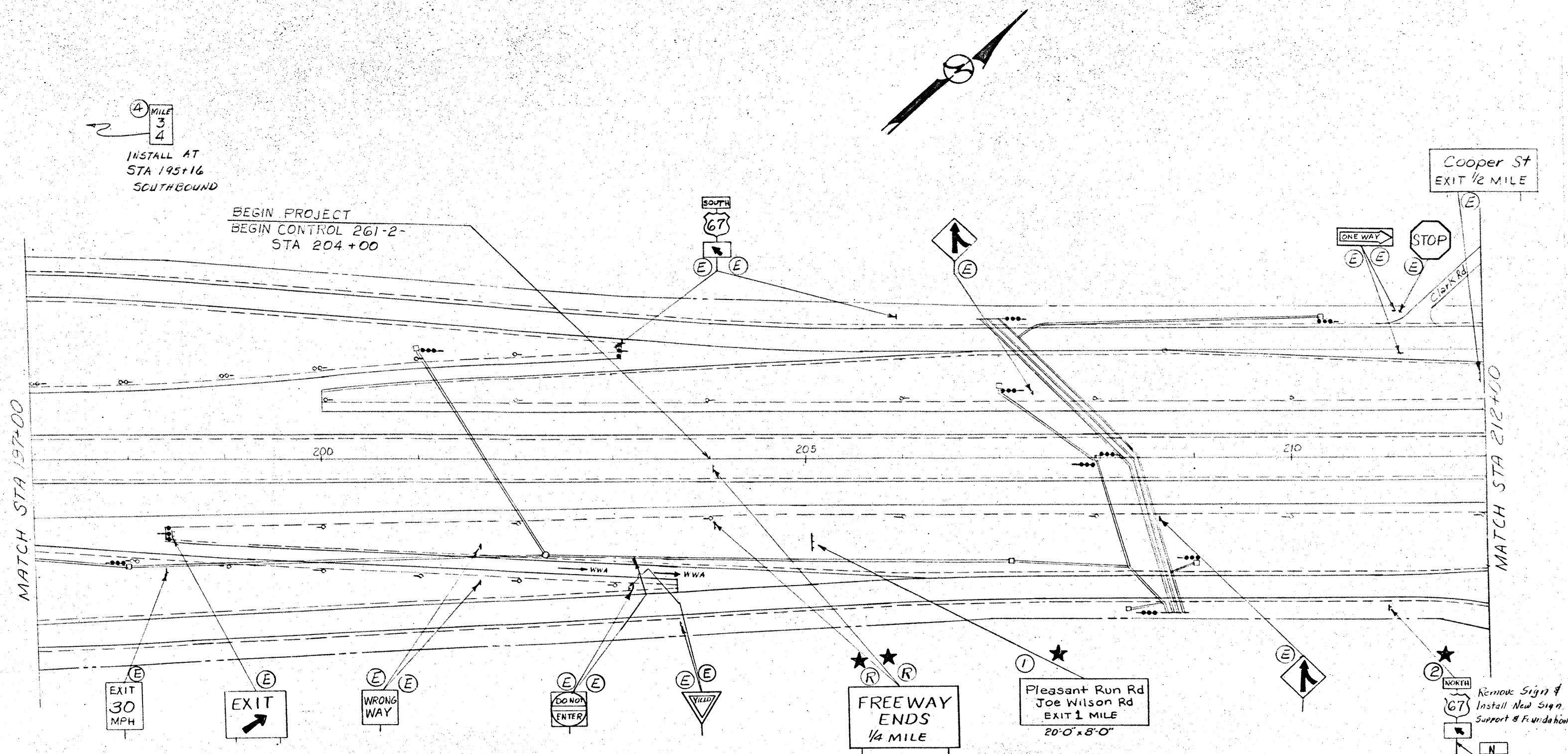
OBJECT MARKERS										DELINEATORS										SIGNS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
TYPE D-S (W or Y)(a)										TYPE D-DW(a)										TYPE OM-2SR(a)										TYPE OM-2HP										POSTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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PAVEMENT MARKERS

SHEET NO.	WRONG WAY ARROWS EA	MARKERS TY IR EA
22	2	29
23	2	29
24	2	29
25	2	29
26	2	29
27	2	29
28	2	29
29	2	29
30	2	29
31	2	29
32	2	29
33	2	29
34	2	29
35	2	29
36	2	29
37	1	14
38	3	42
TOTAL	24	336

SUMMARY SHEET

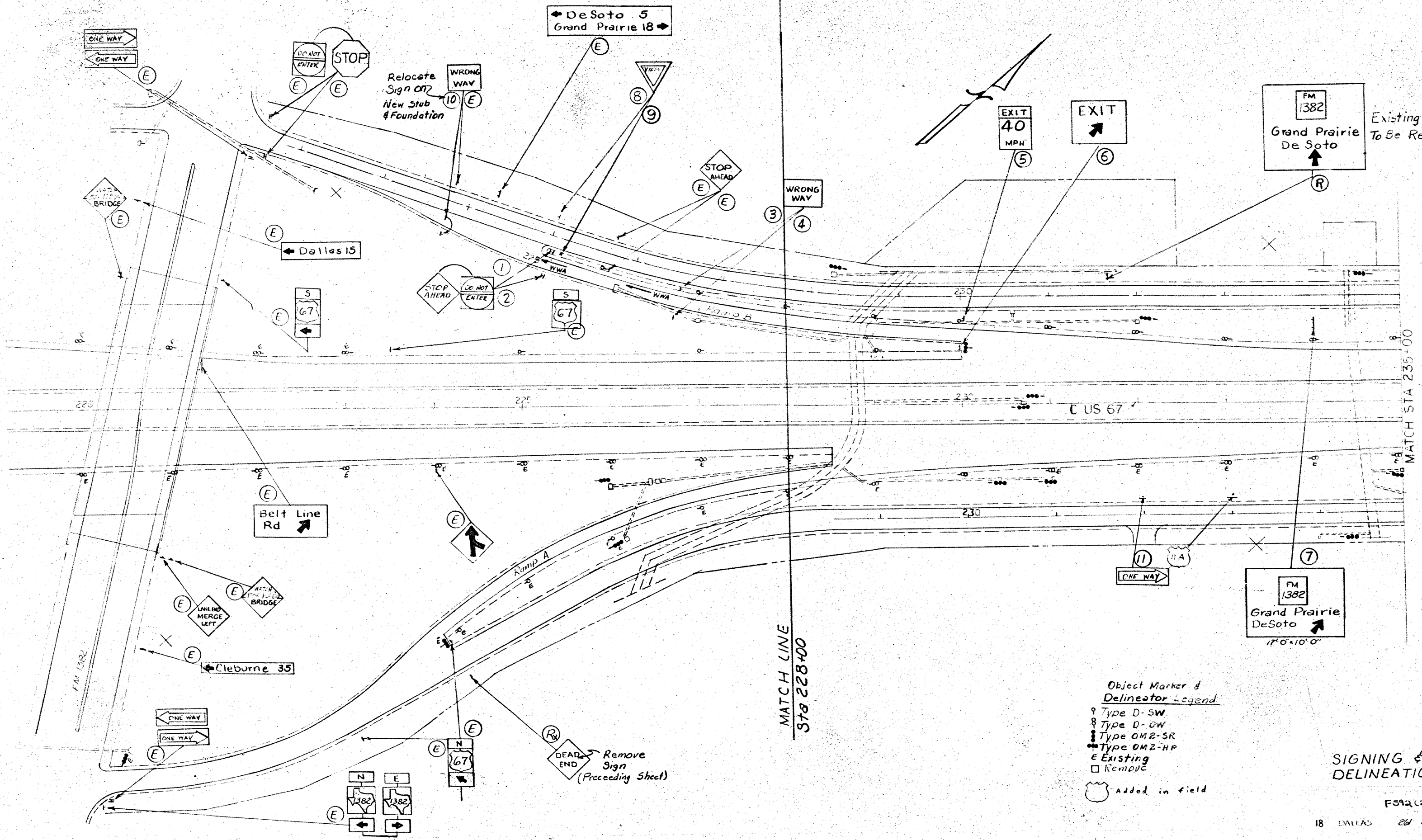
FED. RD. DIST. NO.	STATE	FEDERAL PROJECT NO.	SHEET NO.
18	TEXAS	F592(27)	2
COUNTY	CONTRACT	SECTION	DATE
DALLAS	201	2	33



22
SIGN LAYOUT SHEET

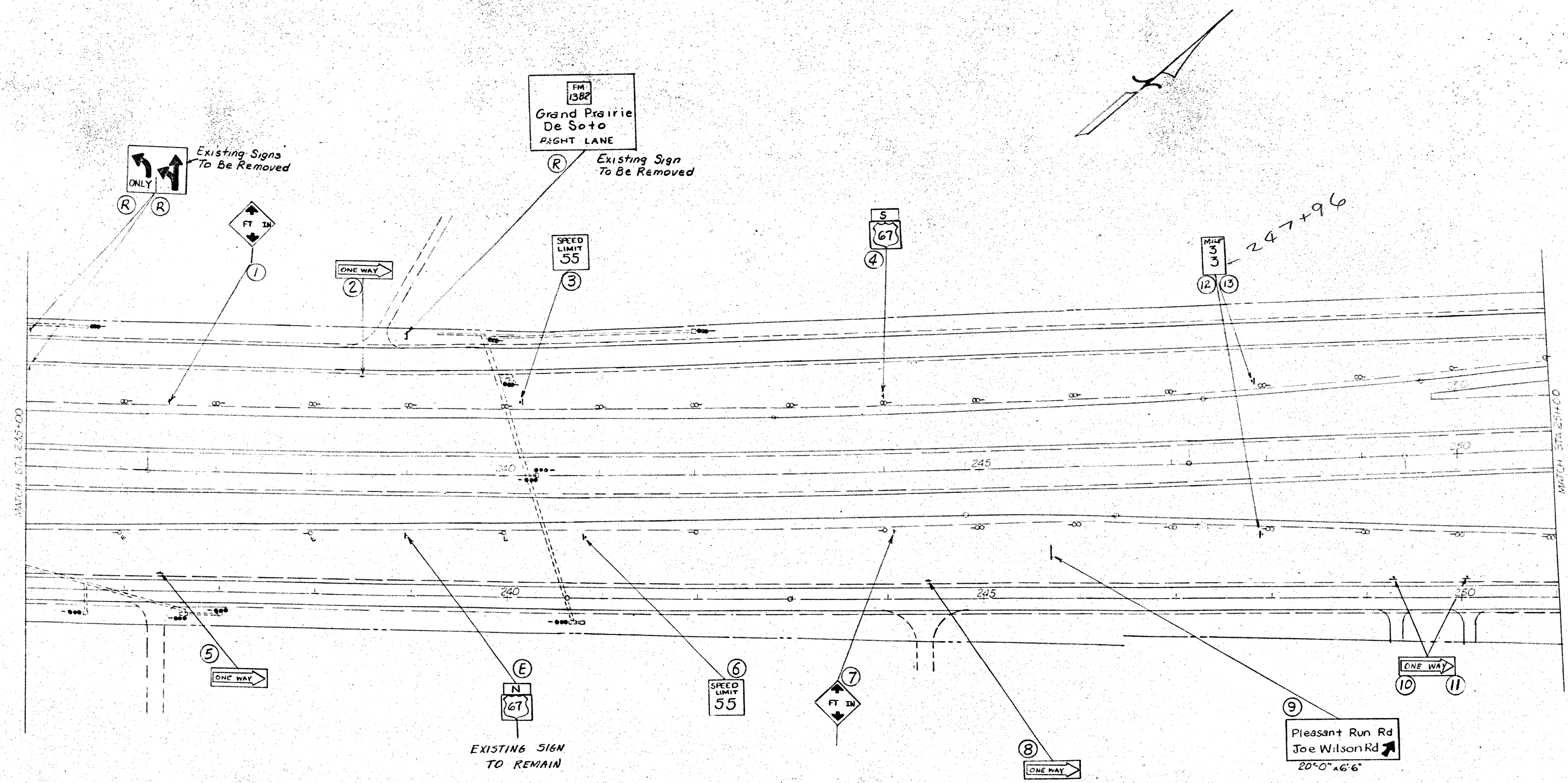
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Sheet Overlap Sheet 23



- Object Marker & Delineator Legend
- ? Type D-SW
 - 8 Type D-OW
 - Type OM2-SR
 - Type OM2-HP
 - E Existing
 - Remove
 - Added in field

SIGNING & DELINEATION 24



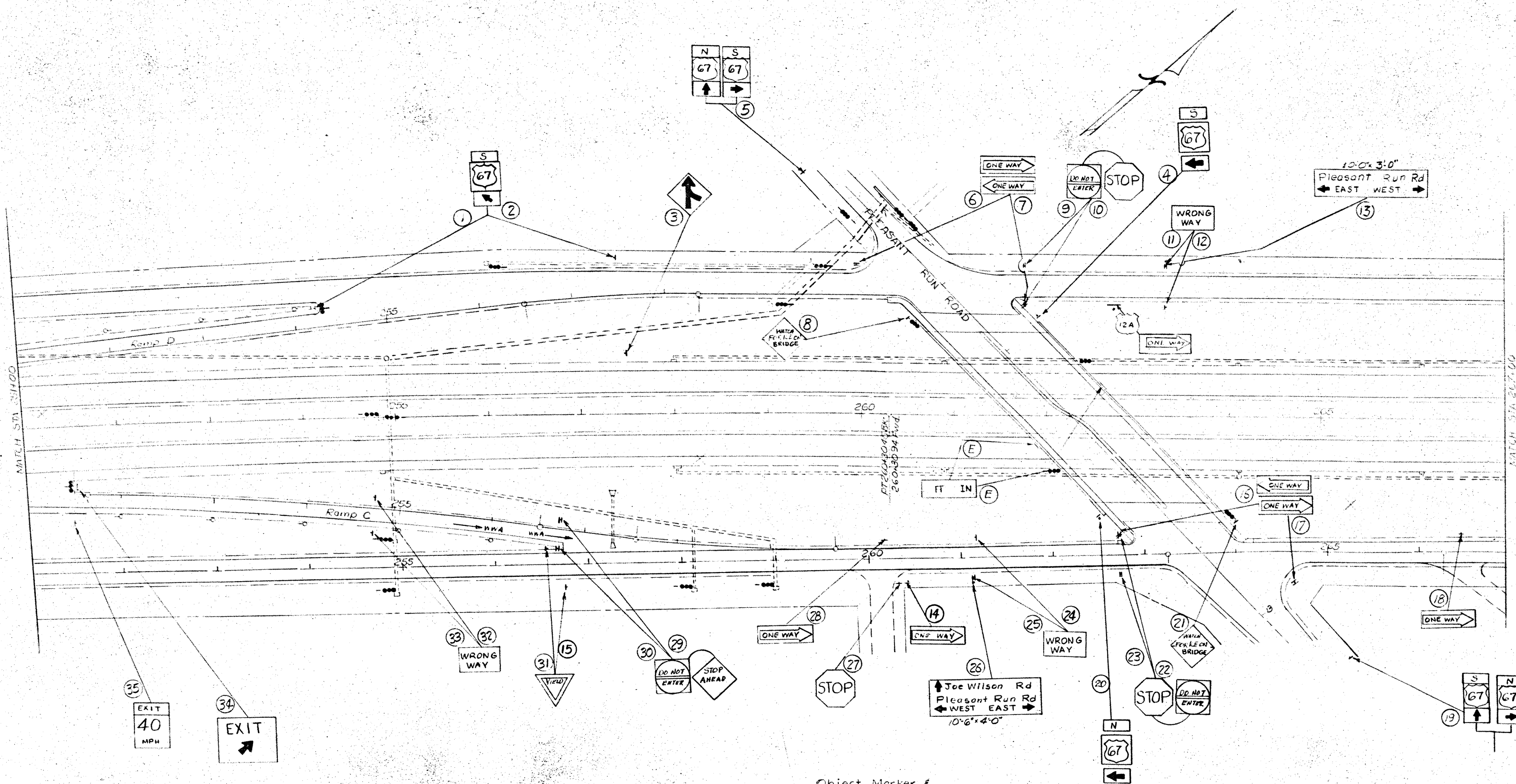
Object Marker &
Delineator Legend

9 Type D-SW
8 Type D-DW
7 Type OM2-SR
6 Type OM2-HP
E Existing

SIGNING &
DELINEATION

25

FORM NO.	DATE	FEDERAL PROGRAM	STATE
18	DALLAS	FS92(a)	25
			US67



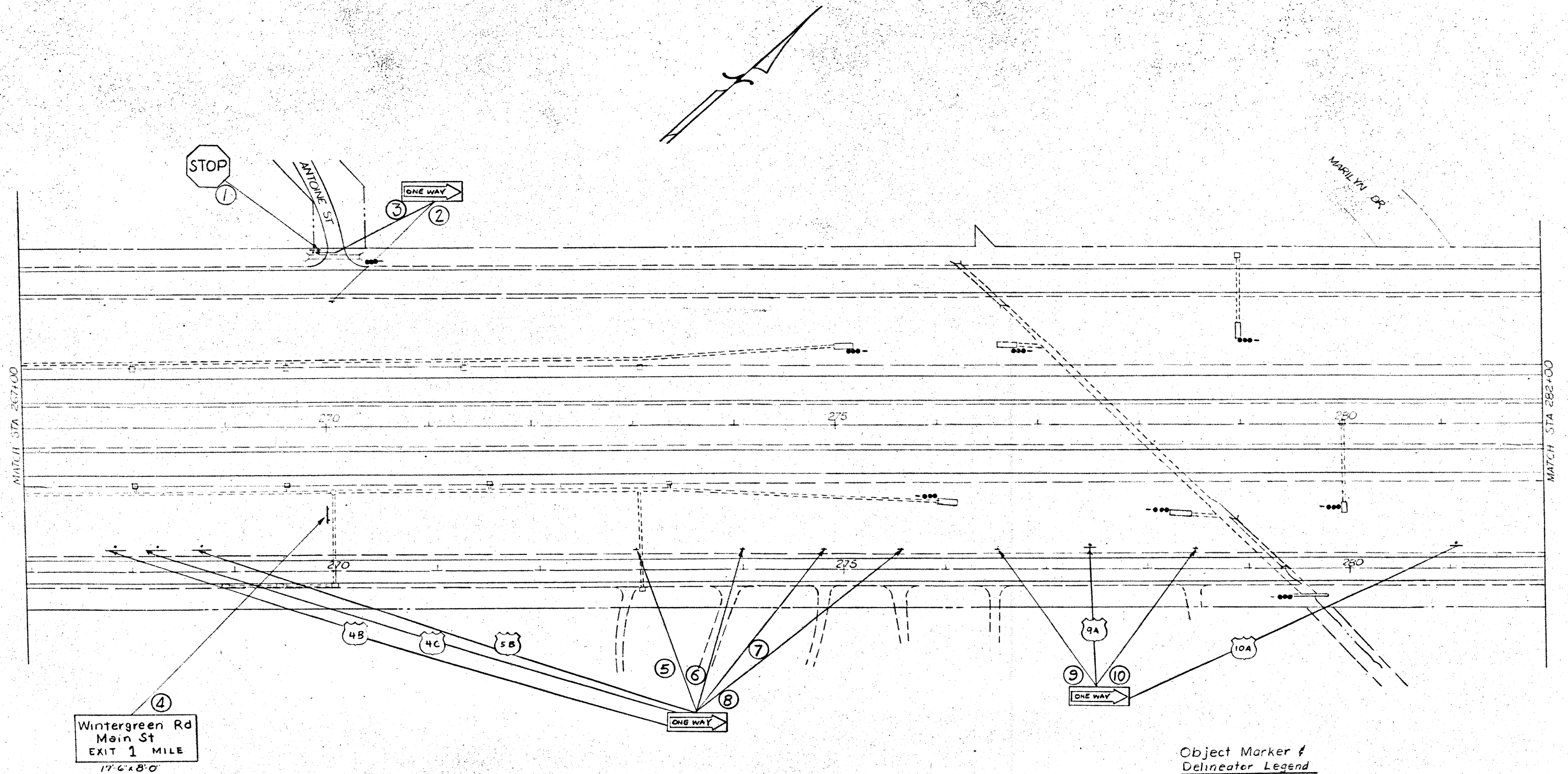
Object Marker &
Delineator Legend

- Type D-SW
- Type D-DW
- Type OM2-SR
- Type OM2-HP
- Added in field

SIGNING &
DELINEATION 26

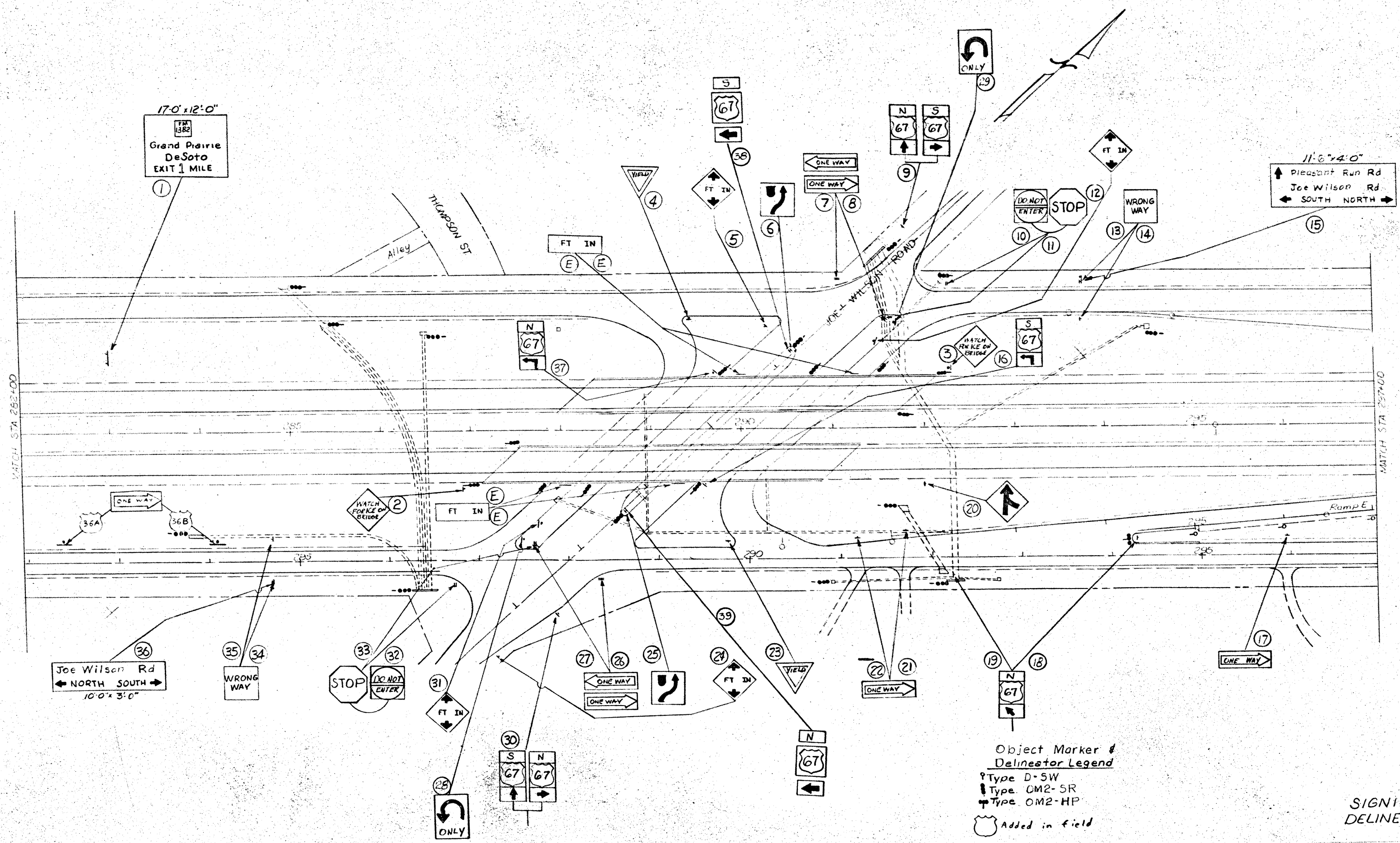
F59a(a) 26

18 DALLAS 261.2 33 US67



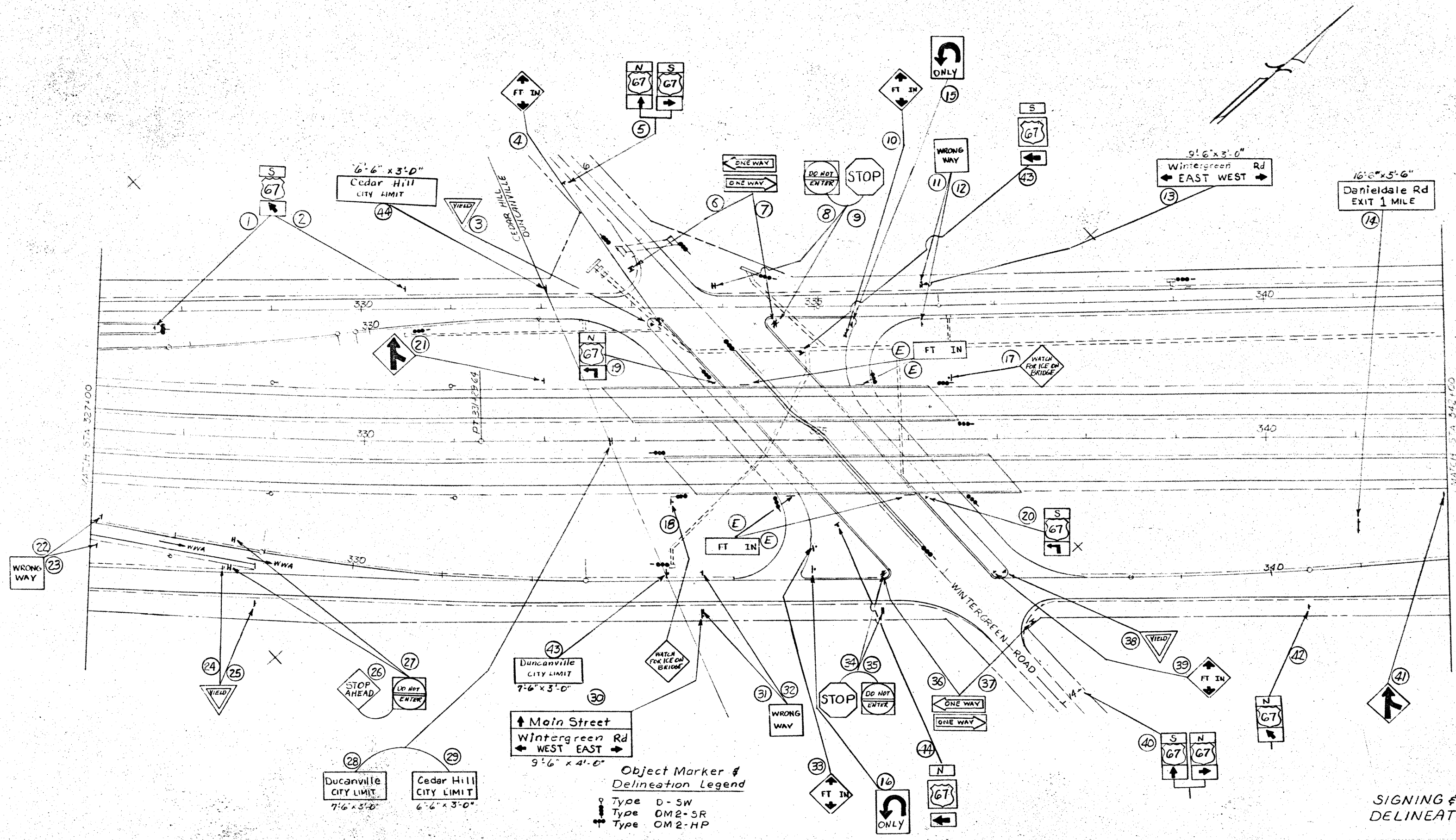
27

SIGNING &
DELINEATION



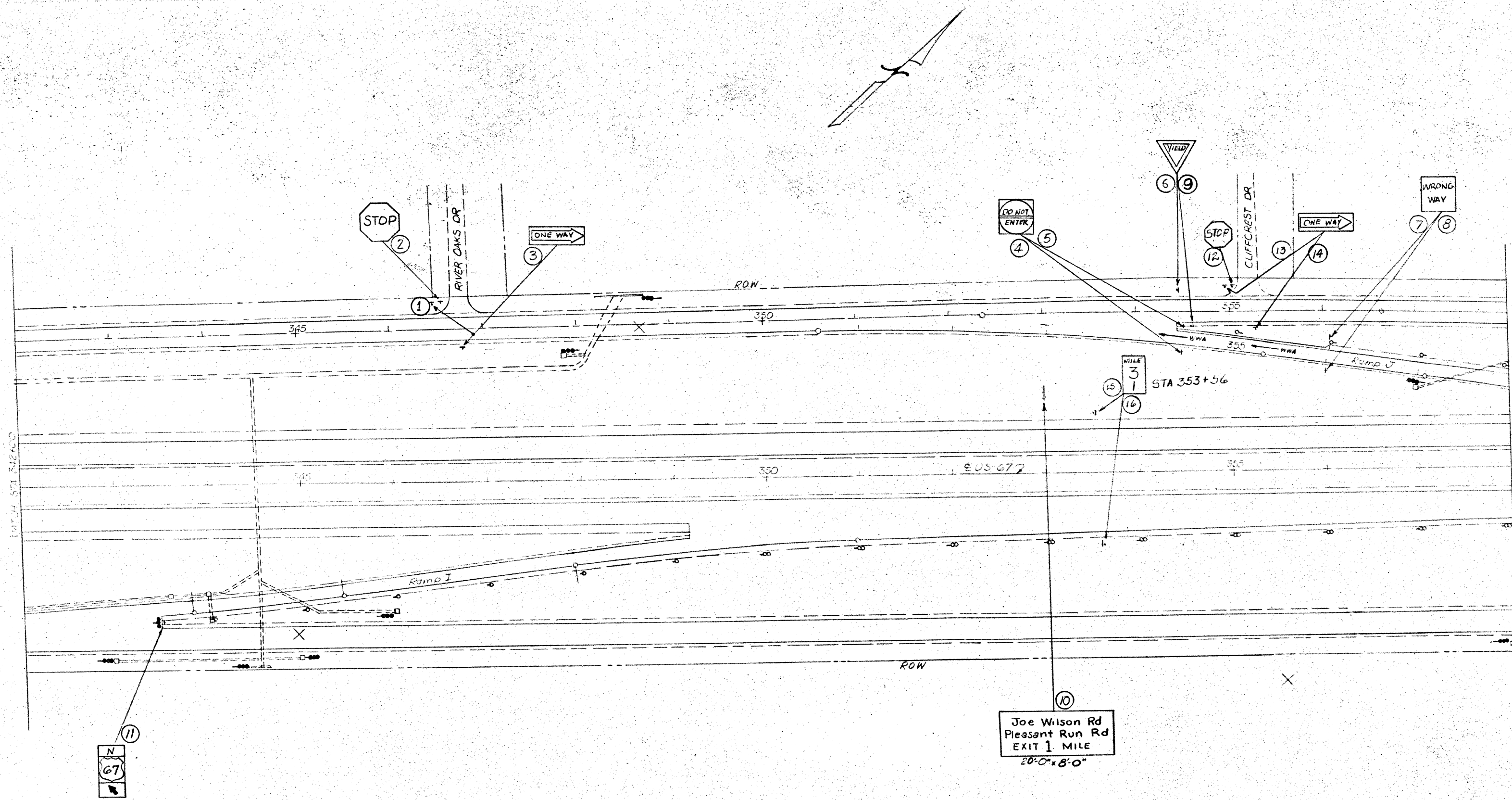
Object Marker &
Delineator Legend
? Type D-SW
! Type OM2-SR
+ Type OM2-HP
Added in field

28
SIGNING &
DELINEATION



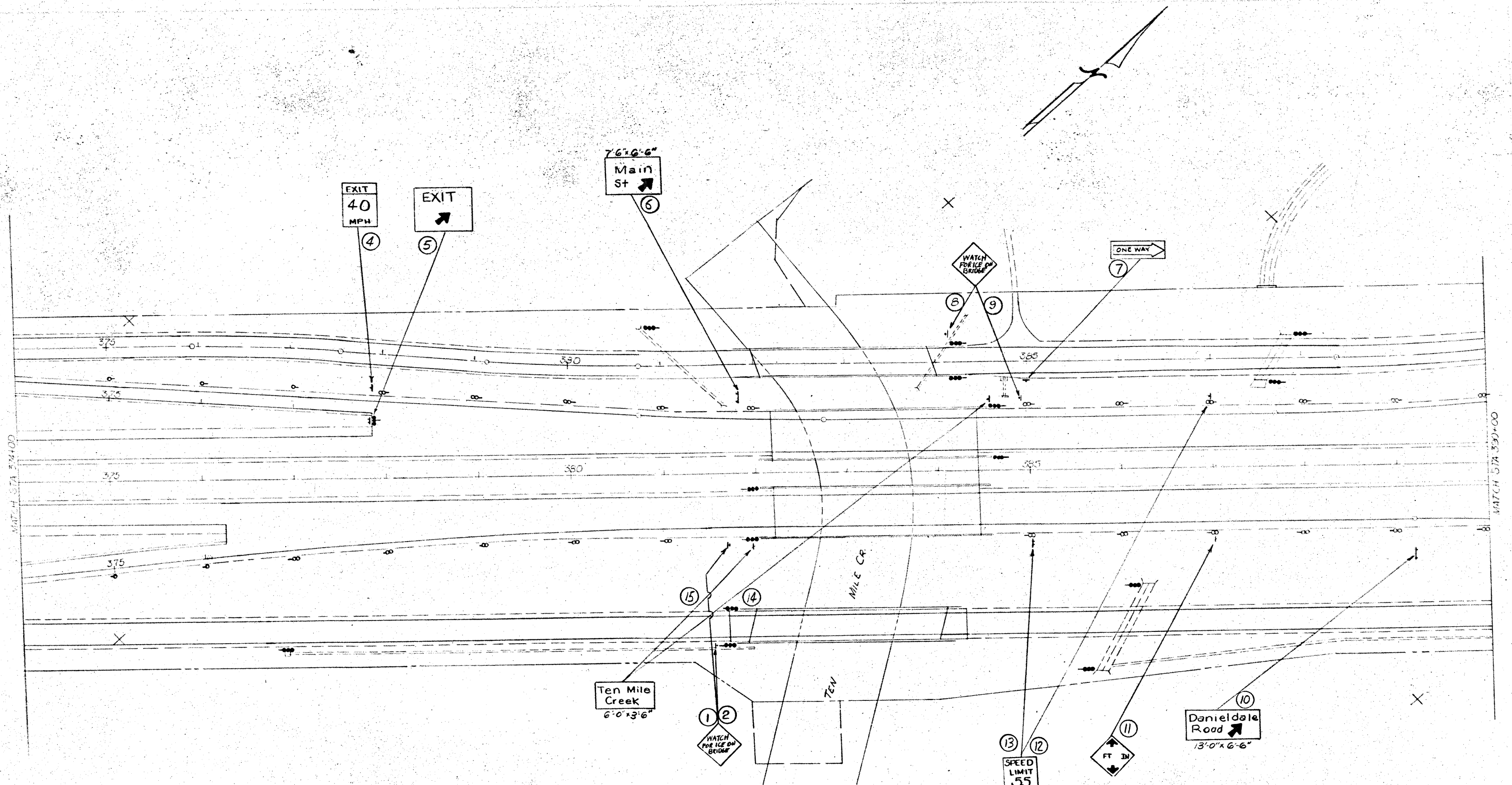
Object Marker & Delineation Legend
Type D-SW
Type OM2-SR
Type OM2-HP

SIGNING & DELINEATION 31



- Obstruction Markers & Delineator Legend
- Type D-SW
 - Type D-DW
 - Type OM2-SR
 - Type OM2-HP

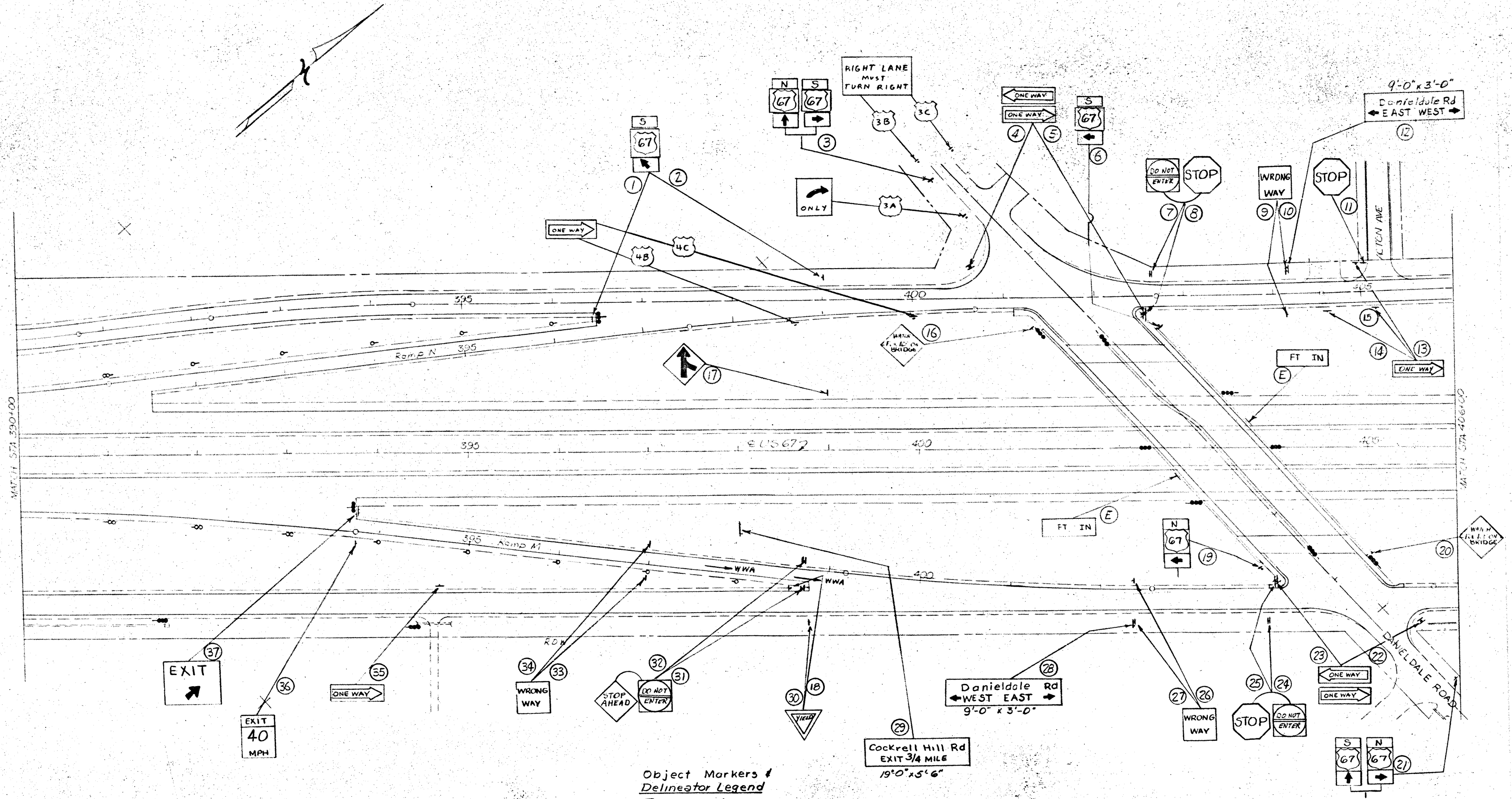
SIGNING & DELINEATION 32



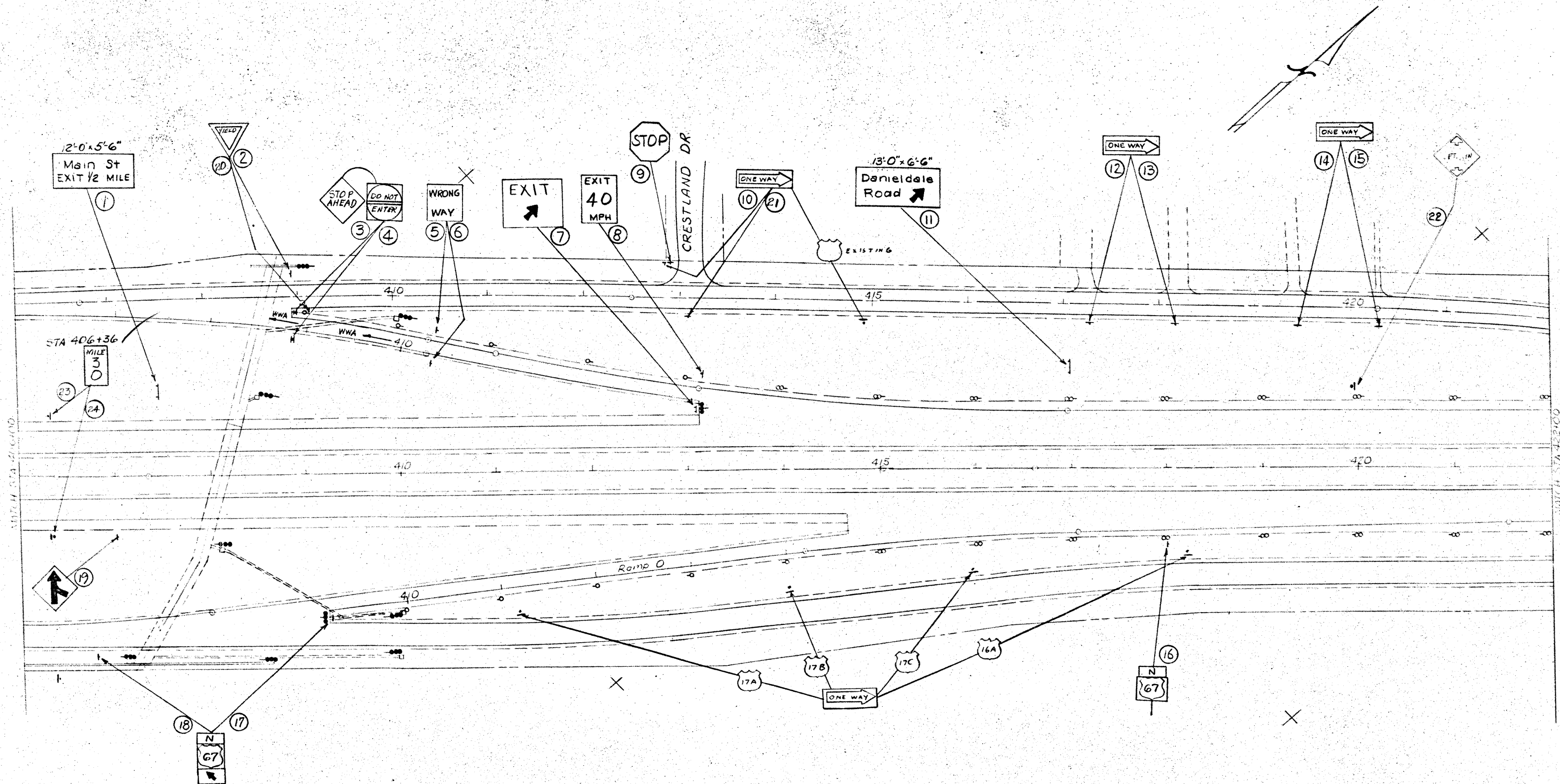
Object Marker &
Delineator Legend

- Type D-SW
- Type D-DW
- Type OM2-SR
- Type OM2-HP

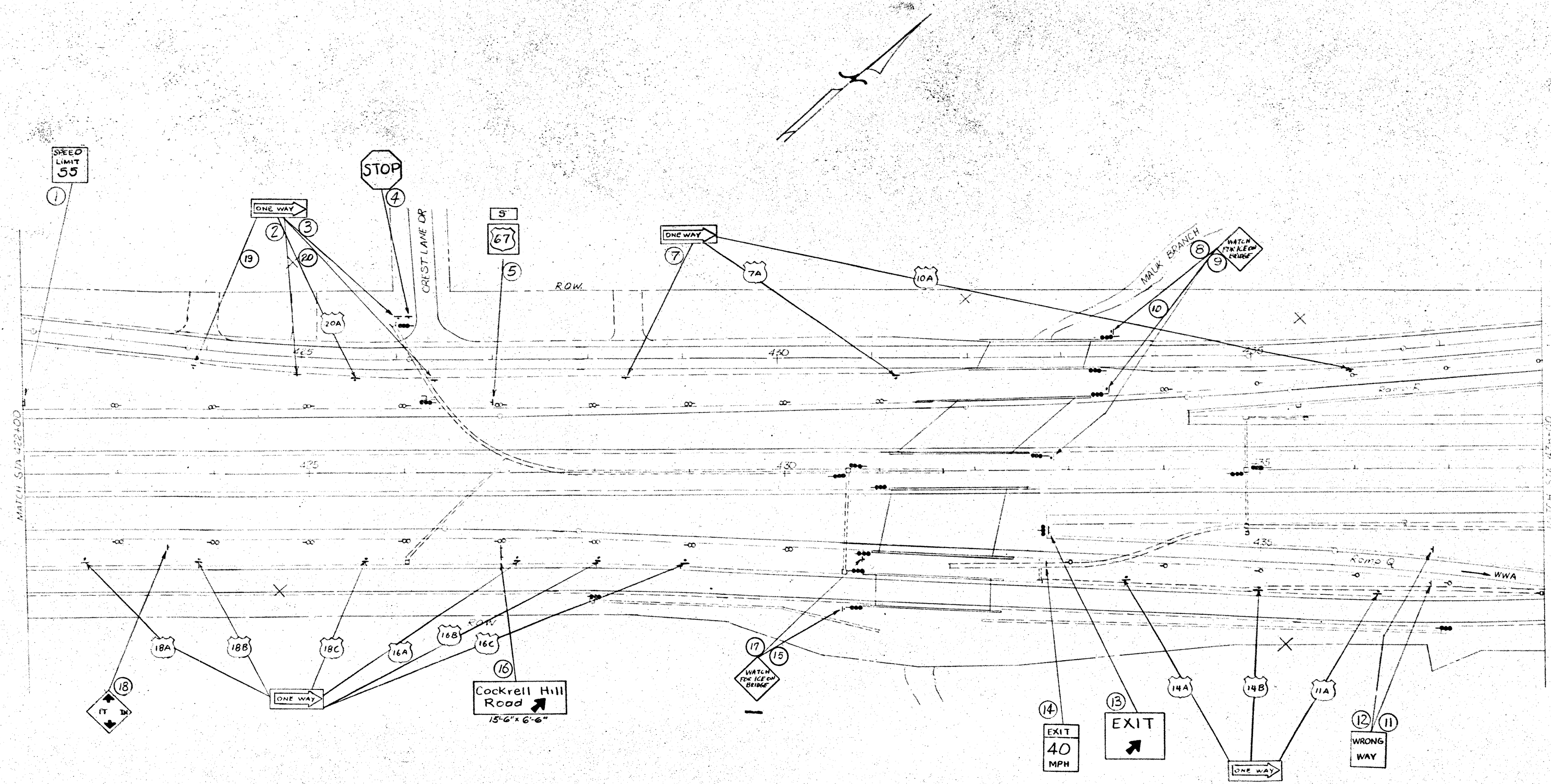
SIGNING &
DELINEATION 34



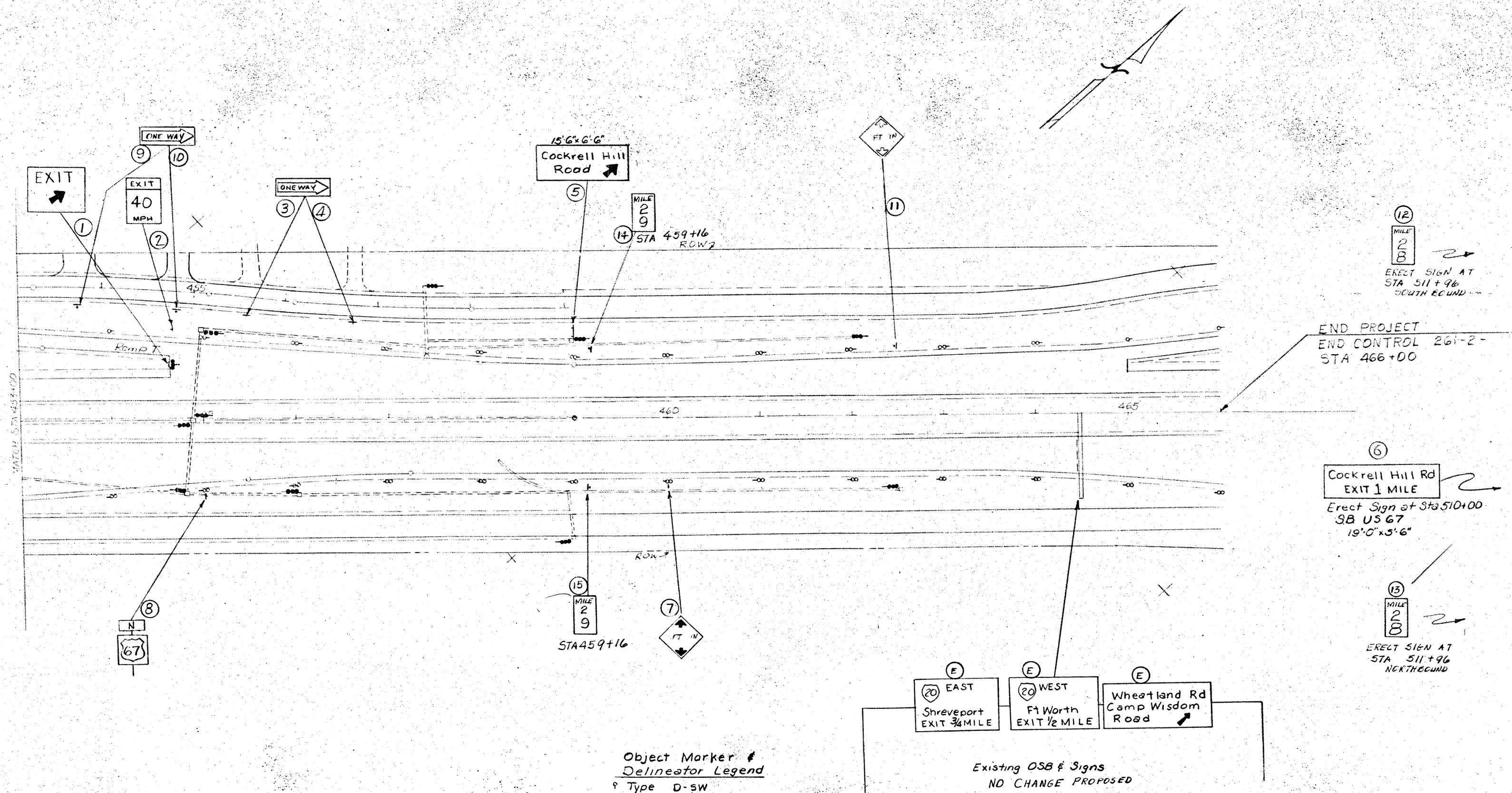
Object Markers &
 Delineator Legend
 ? Type D-SW
 8 Type D-DW
 | Type OM2-SR
 + Type OM2-HP
 [Shield] Added in field



Object Marker &
 Delineator Legend
 P Type D-SW
 O Type D-DW
 + Type OM2-SR
 * Type OM2-HP
 [Shield] Added in field

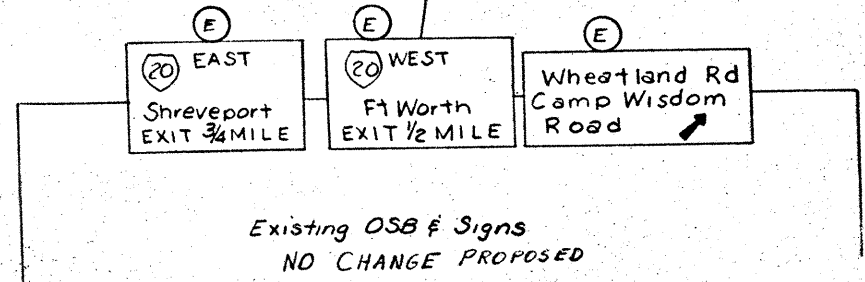


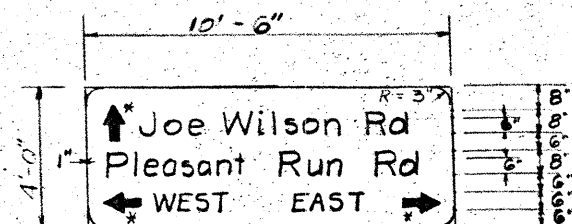
Object Marker &
Delineation Legend
? Type D-SW
8 Type D-DW
+ Type OM2-SR
+ Type OM2-HP
Added in field



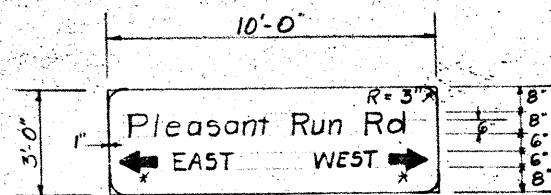
Object Marker & Delineator Legend

9	Type	D-SW
8	Type	D-DW
••	Type	OM2-SR
•••	Type	OM2-HP

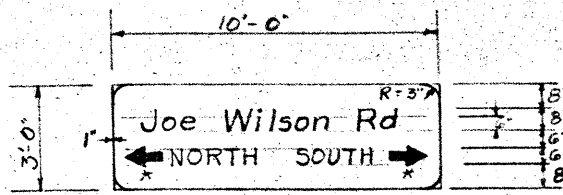




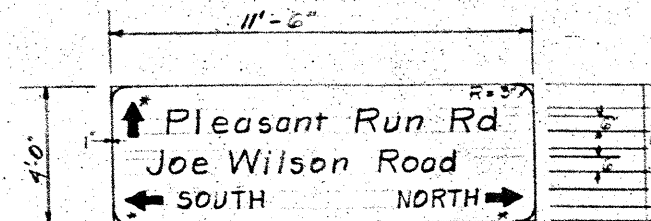
SIGN 26 SHEET 26



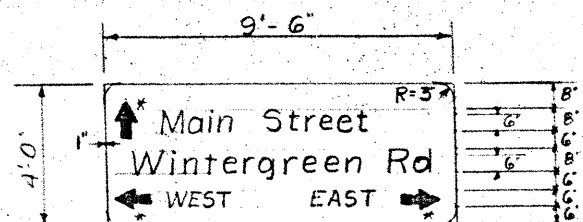
SIGN 13 SHEET 26



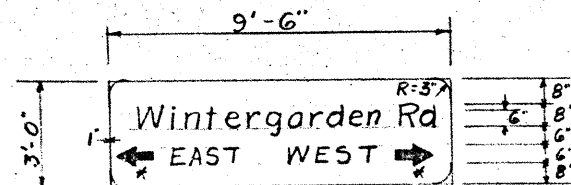
SIGN 36 SHEET 28



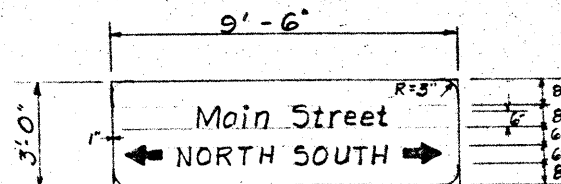
SIGN 15 SHEET 28



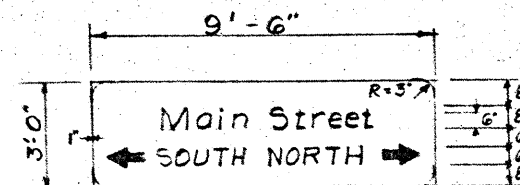
SIGN 30 SHEET 31



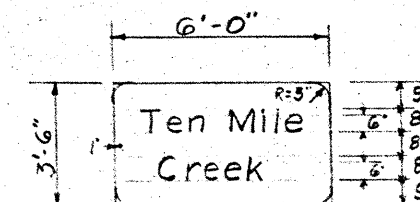
SIGN 13 SHEET 31



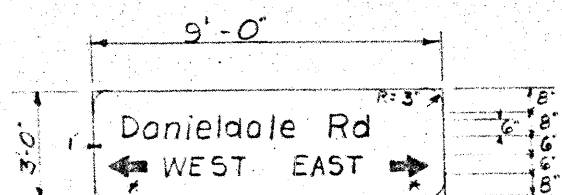
SIGN 45 SHEET 33



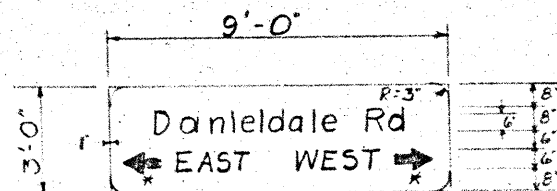
SIGN 21 SHEET 33



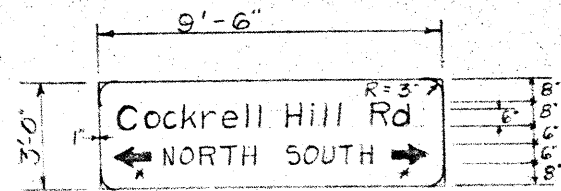
SIGN 14 SHEET 34
SIGN 15 SHEET 34



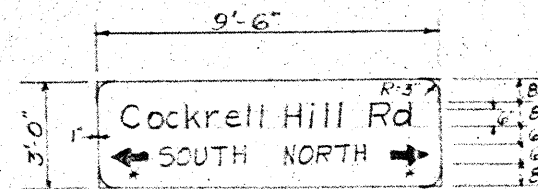
SIGN 28 SHEET 35



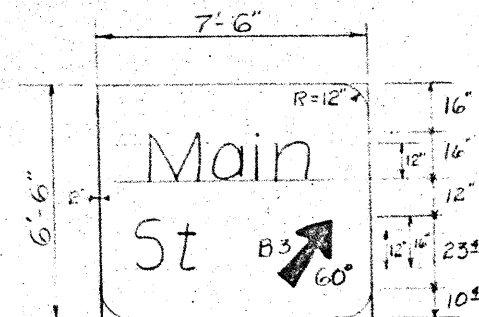
SIGN 12 SHEET 35



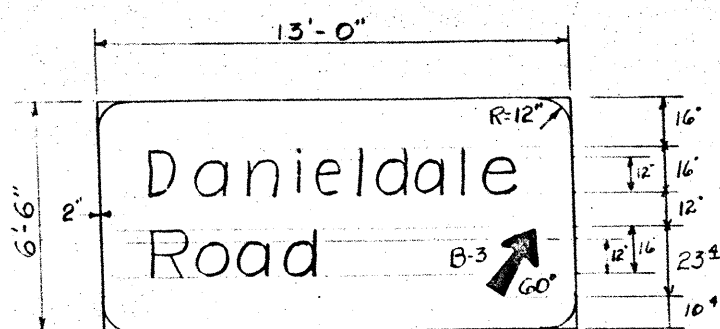
SIGN 32 SHEET 38



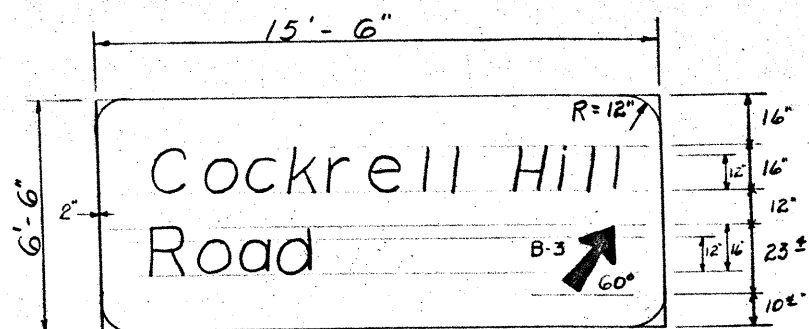
SIGN 13 SHEET 38



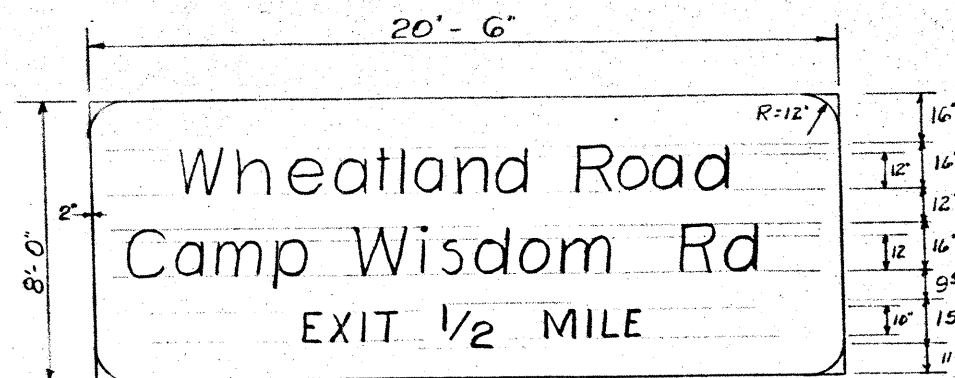
SIGN 6 SHEET 34



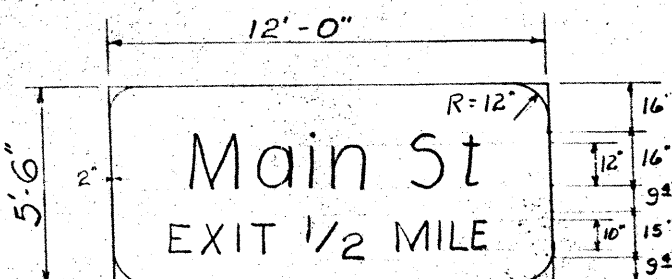
SIGN 10 SHEET 34
SIGN 11 SHEET 36



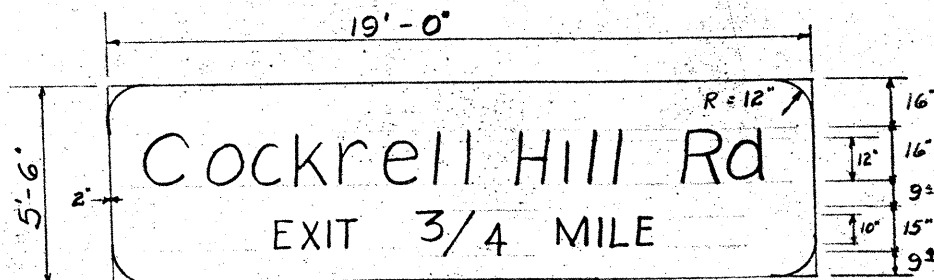
SIGN 16 SHEET 37
SIGN 5 SHEET 39



SIGN 1 SHEET 38



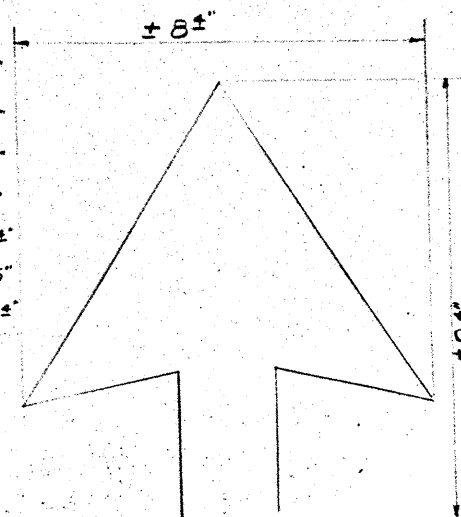
SIGN 1 SHEET 36



SIGN 29 SHEET 35
SIGN 6 SHEET 39 (EXCEPT / MILE)

NOTE: ALL SIGNS ON THIS SHEET SHALL BE CONSTRUCTED OF 5/8 INCH THICK TYPE A PLYWOOD.

GUIDE SIGN DETAILS

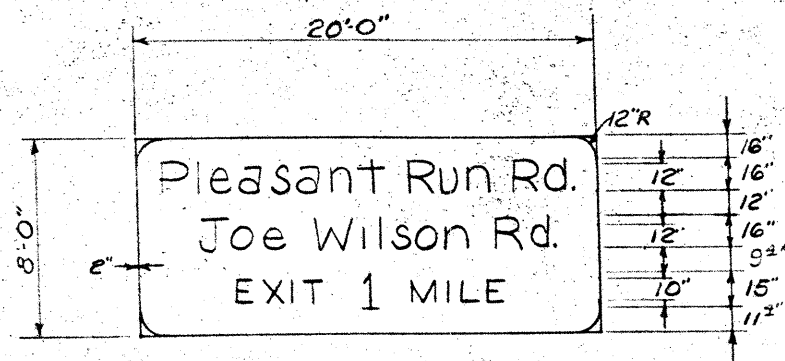


* SPECIAL ARROW

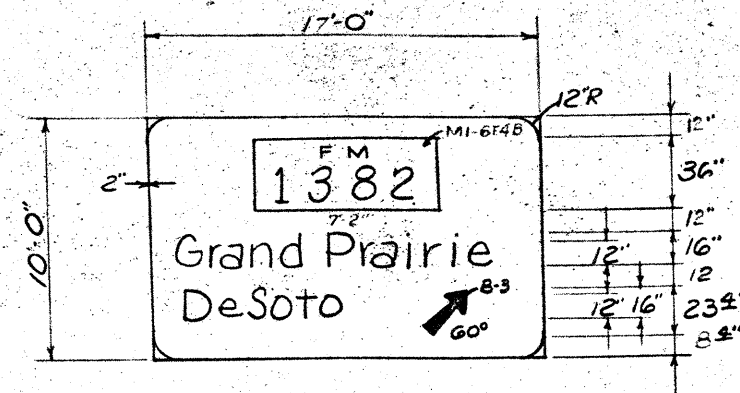
40

FS92(a7) 40

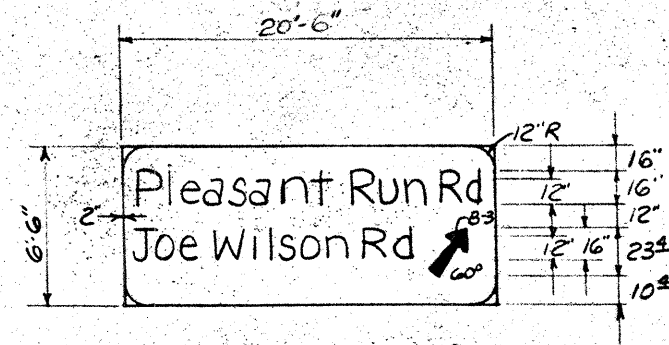
18 DALLAS 261 2 33 US67



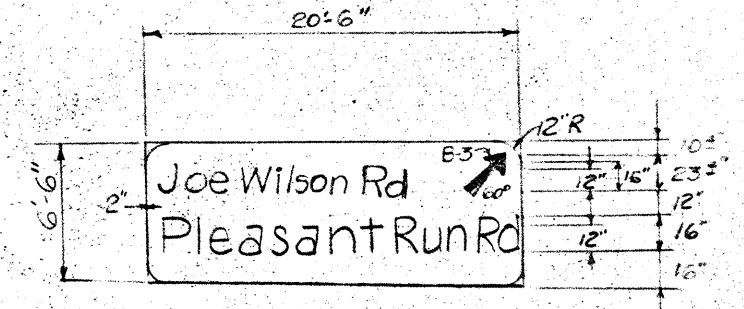
Sign 1 Sheet 22



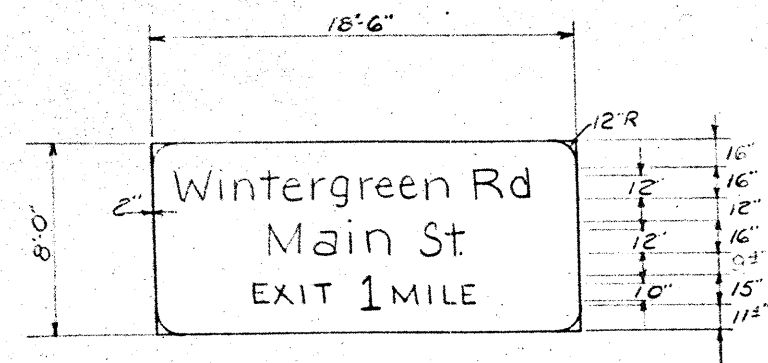
Sign 7 Sheet 24



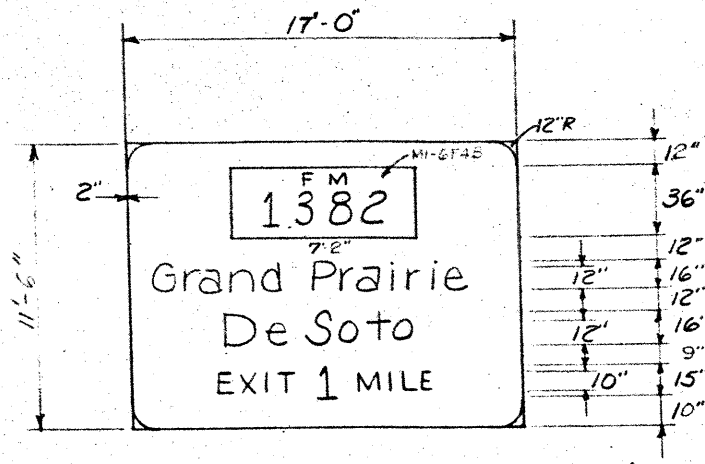
Sign 9 Sheet 25



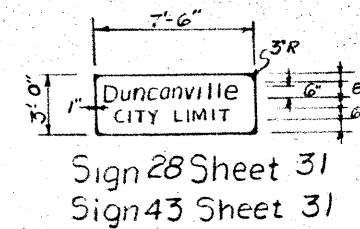
Sign 8 Sheet 29



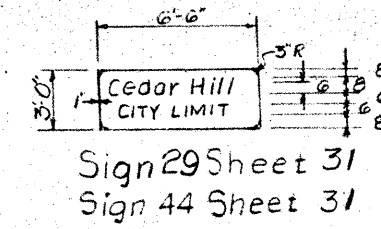
Sign 4 Sheet 27



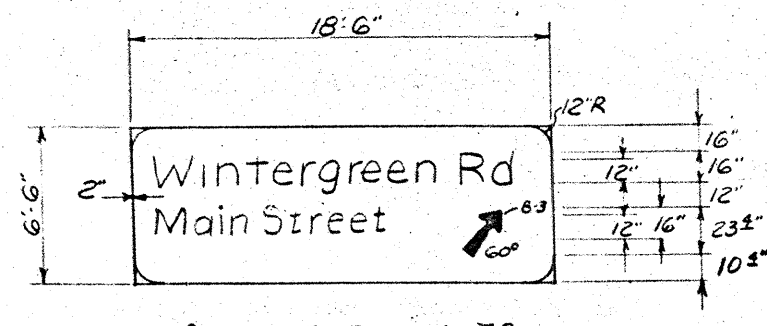
Sign 1 Sheet 28



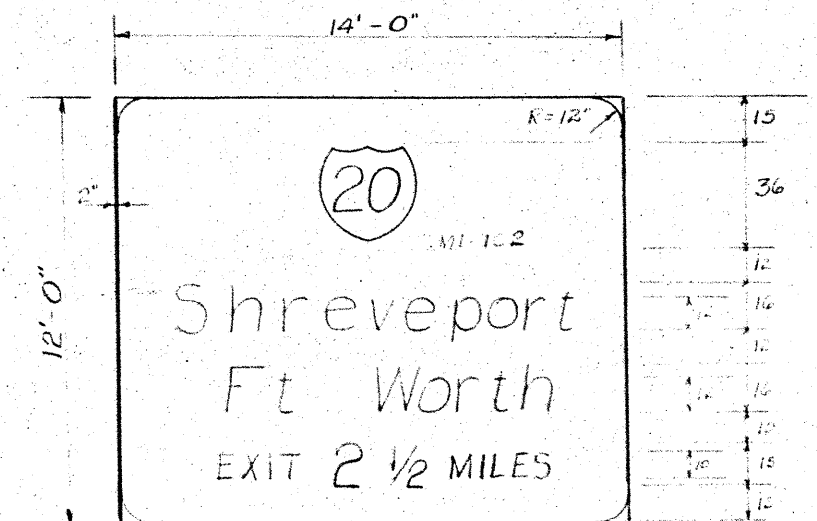
Sign 28 Sheet 31
Sign 43 Sheet 31



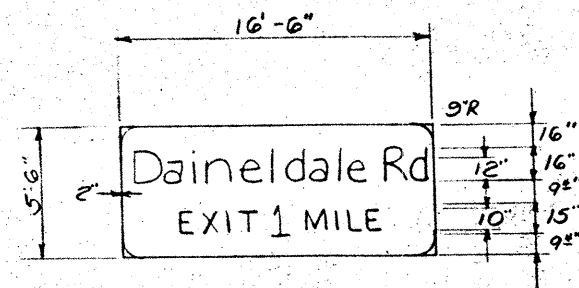
Sign 29 Sheet 31
Sign 44 Sheet 31



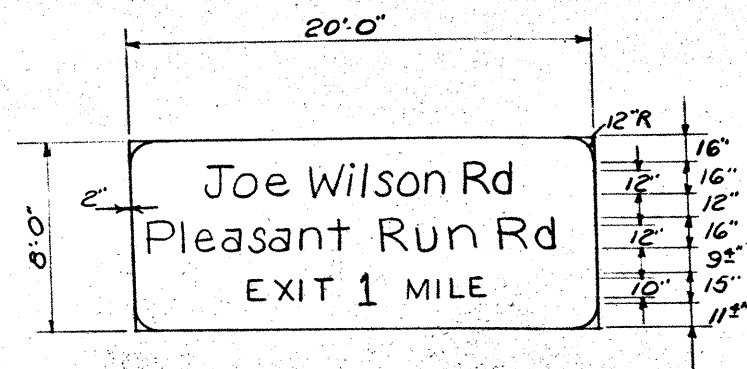
Sign 5 Sheet 30



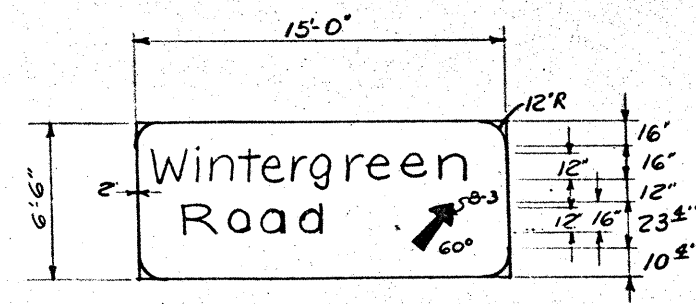
Sign 3 Sheet 33



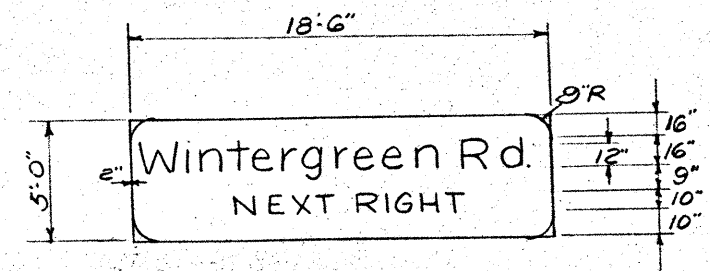
Sign 14 Sheet 31
Sign 19 Sheet 38 (Text 3/4 MILE)



Sign 10 Sheet 32



Sign 4 Sheet 33

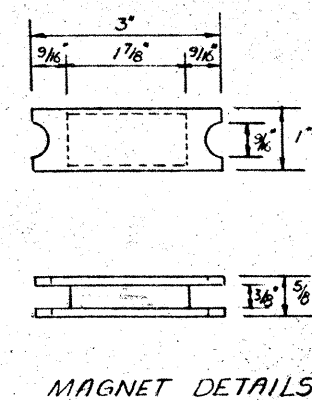
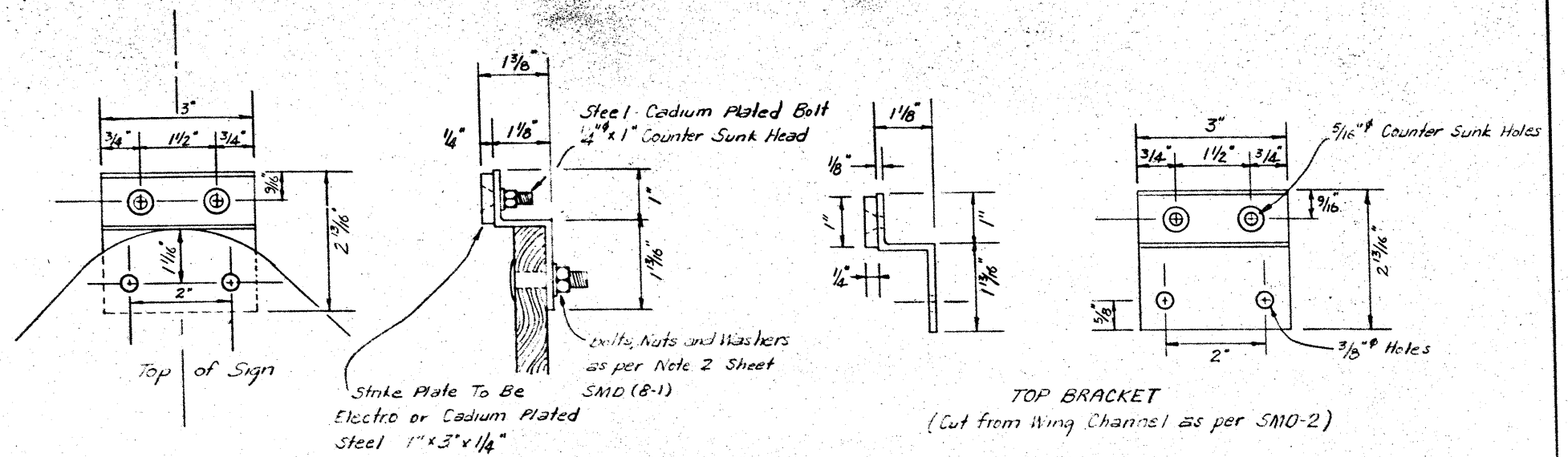


Sign 27 Sheet 33

NOTE: ALL SIGNS ON THIS SHEET
SHALL BE CONSTRUCTED OF 3/8 INCH
THICK TYPE A PLYWOOD.

GUIDE SIGN DETAILS

41



Magnet is $\frac{1}{2}$ of 6" STARNES Magnet
312-1FF

SPECIAL FOLDING SIGN
SHEET 1 OF 2

FED. NO. DIV. NO.	STATE	FEDERAL PROJECT NO.				SHEET NO.
6	TEXAS	E 592 (27)				42
STATE DIST. NO.	COUNTY	CONT.	SECT.	JOB	HIGHWAY NO.	
18	DALLAS	261	2	33	4567	

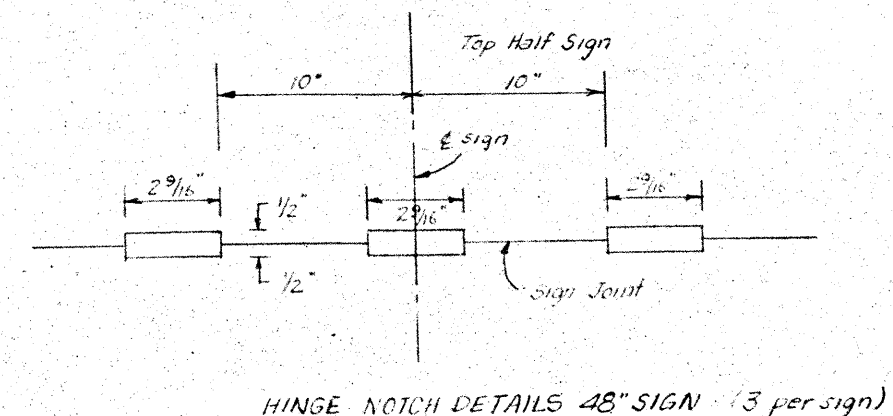
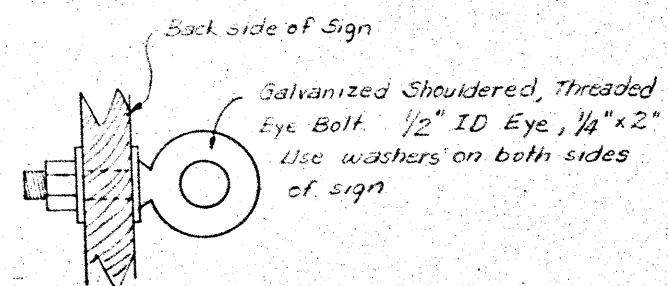
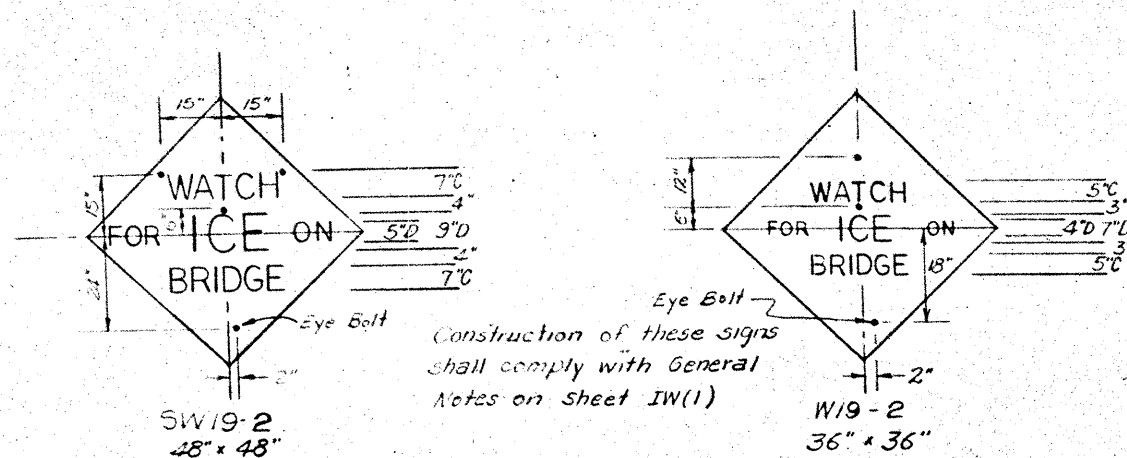
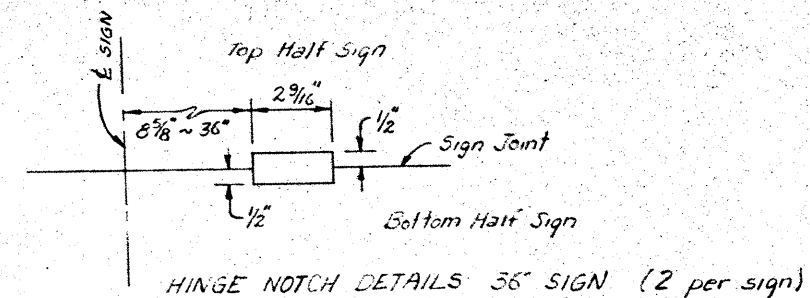
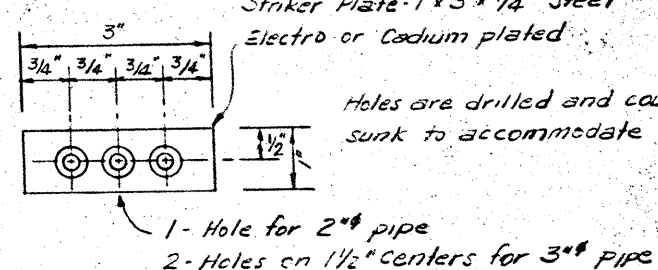
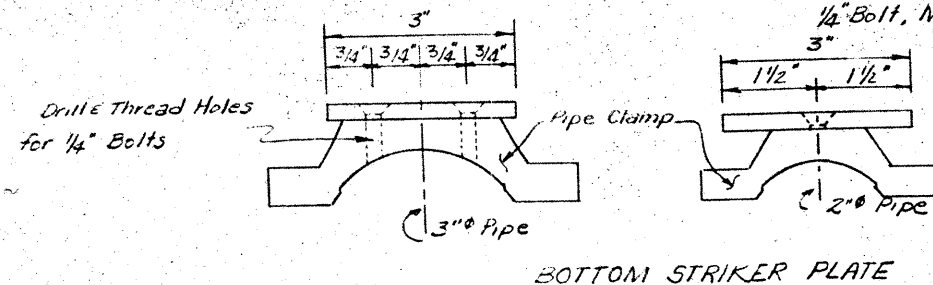
Pipe Clamps for 2" & 3" Pipe,
"u" Bolts, Nuts and Washers are
Detailed on SMID (1-2)

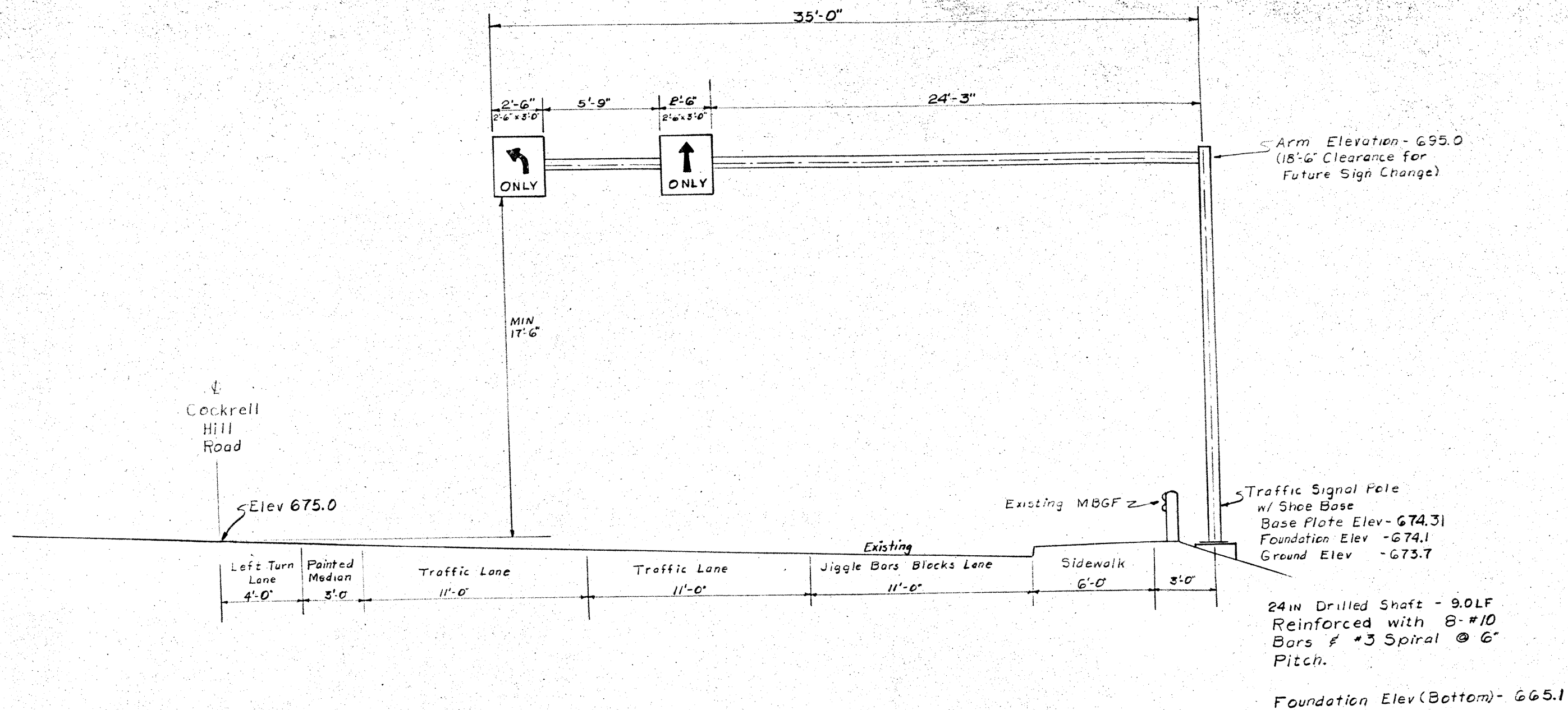
Screws for attaching striker plate
To Clamp shall be cadmium plated

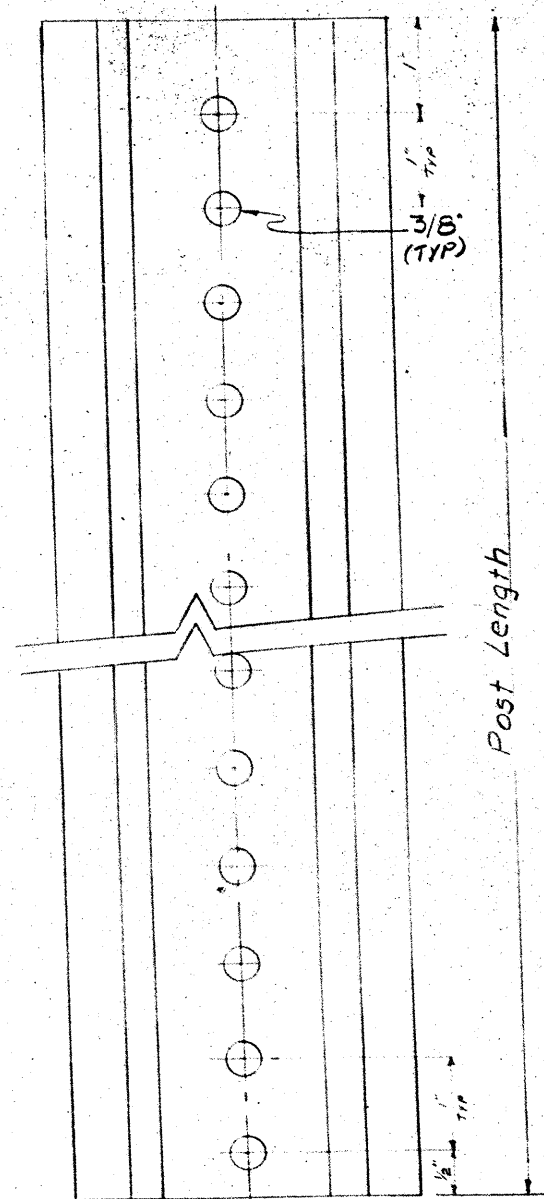
2" Pipe clamp requires
1/4" Bolt, Nut & Washer

Striker Plate - 1" x 3" x 1/4" Steel
Electro or Cadmium plated

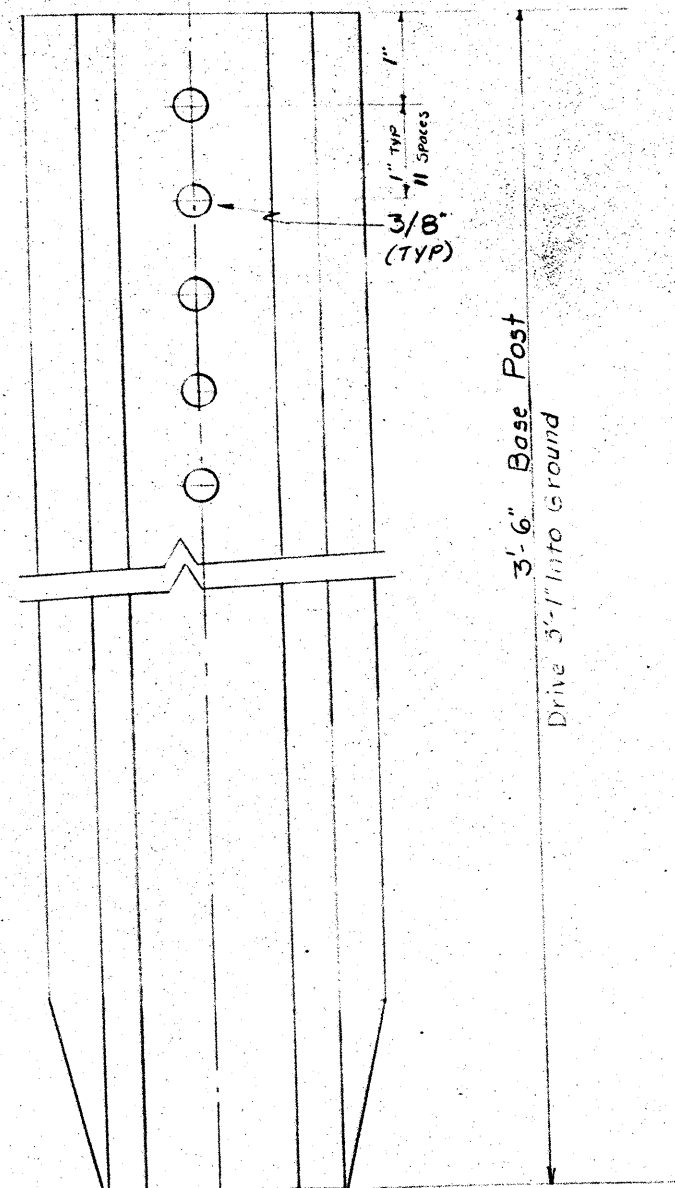
Holes are drilled and counter
sunk to accommodate 1/4" Bolts



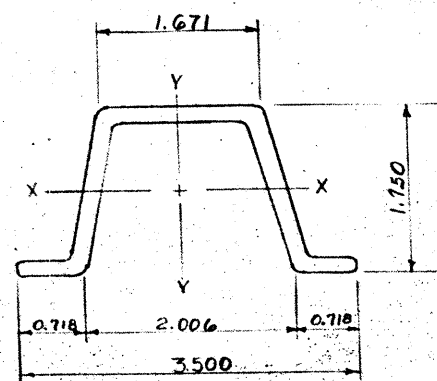




POST



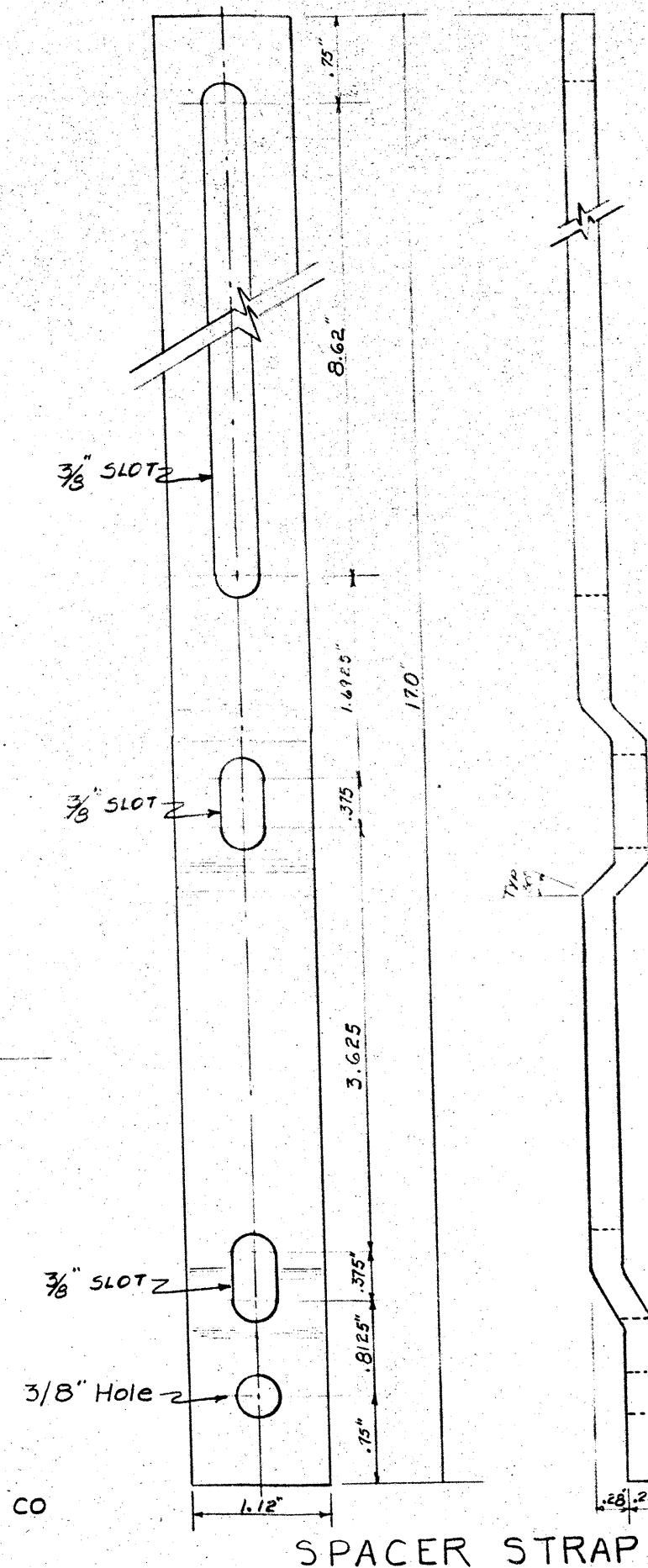
BASE



Winged Channel
4.0 Lb / Ft
Area = 1.190 Sq. In.

X-X AXIS		Y-Y AXIS	
I (IN ⁴)	S (IN ³)	I (IN ⁴)	S (IN ³)
.500	.560	1.190	1.090

NOTE: DESIGN IS FROM FRANKLIN STEEL CO
"EZE-ERECT SIGNPOST" PAT. PEND.



POSTS SHALL BE MADE FROM HOT
ROLLED RAIL STEEL CONFORMING TO
ASTM A499-76 MODIFIED TO 60,000
PSI MINIMUM YIELD & 90,000 PSI
MINIMUM TENSILE.

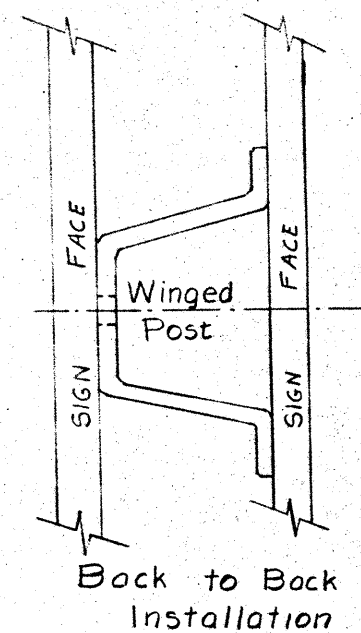
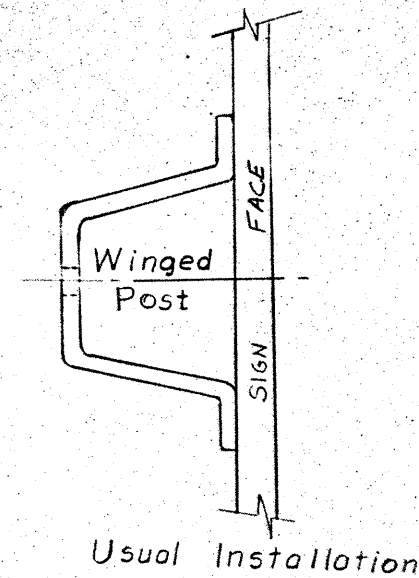
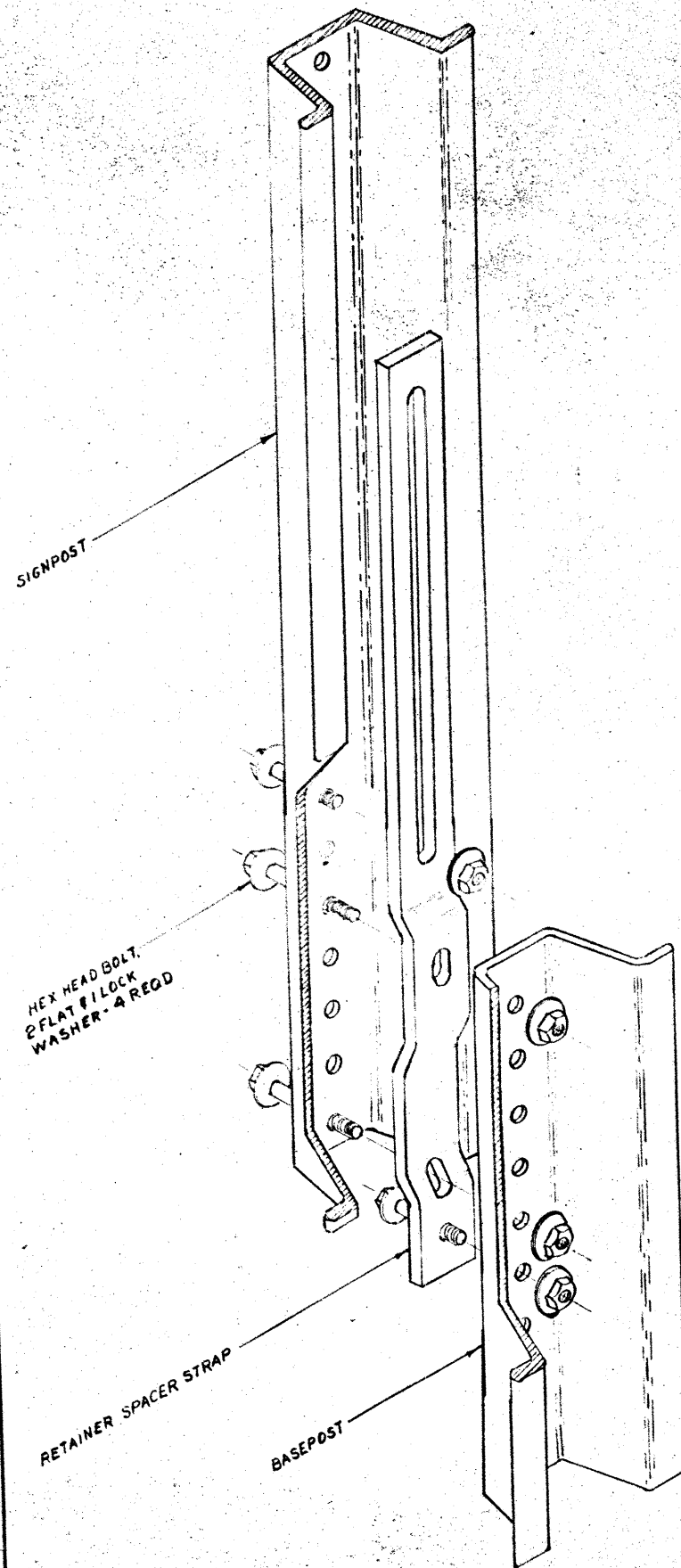
See Sheet SMD(2) For
General Notes.

See Sheet SMD(1-2) For
Lateral Clearance.

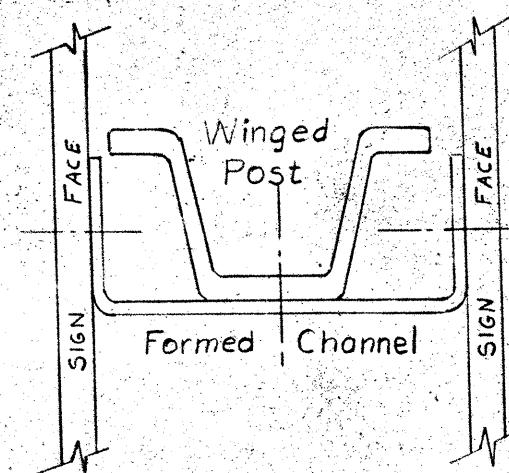
Length of Post For Pay
Does Not Include Lap.

WINGED CHANNEL POST
ALTERNATE FOR
TYPE "A" MOUNT
SHEET 1 OF 2

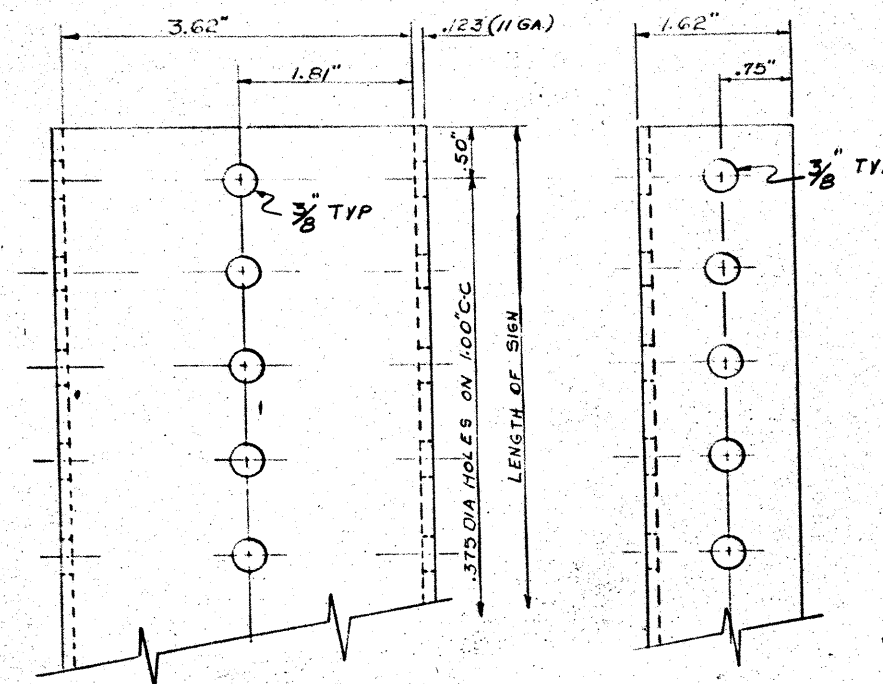
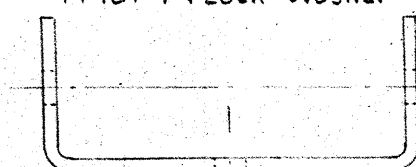
FED. RD. DIST. NO.	STATE	FEDERAL PROJECT NO.	SHEET NO.
15	TEXAS	E692(37)	45
COUNTY	CORR. SECT.	NO.	HIGHWAY
CALLAS	2012	33	2007



TRAFFIC



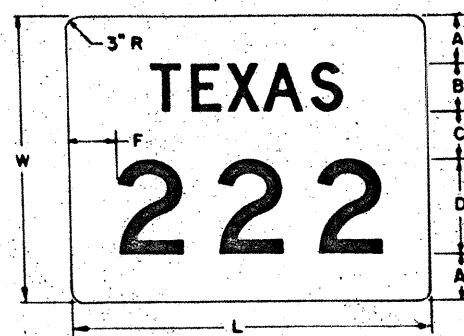
Attach to Winged Post
With 2 Bolts-Each With
1 Flat & 1 Lock Washer



FORMED CHANNEL
FOR 3/4 WAY
SIGN MOUNTS

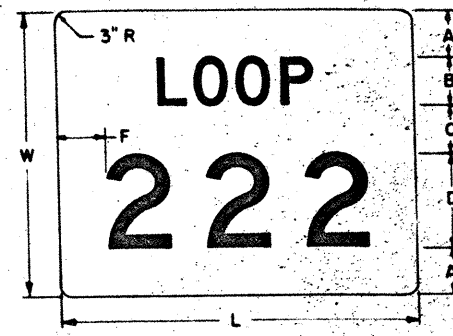
WINGED CHANNEL POST
ALTERNATE FOR
TYPE "A" MOUNT
SHEET 2 OF 2 **46**

FED. RD. DIST. NO.	STATE	FEDERAL PROJECT NO.	SHEET NO.
18	TEXAS	ES92(27)	46
STATE DIST. NO.	COUNTY	CONTRACT SECT.	JOB NO.
18	DADE	21	33

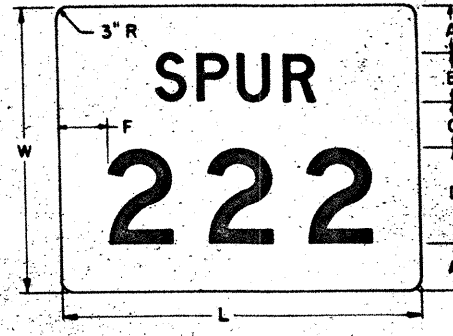


Sign Type	Digits	W
MI-6T4A	4	24
MI-6T4B	4	36
MI-6T4C	4	48
MI-6T3A	3	24
MI-6T3B	3	36
MI-6T3C	3	48
MI-6T2A	2	24
MI-6T2B	2	36
MI-6T2C	2	48
MI-6T1A	1	24
MI-6T1B	1	36
MI-6T1C	1	48

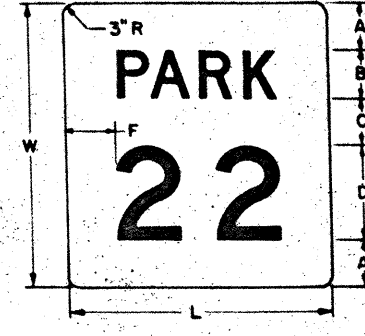
VERTICAL SPACING
AT RIGHT



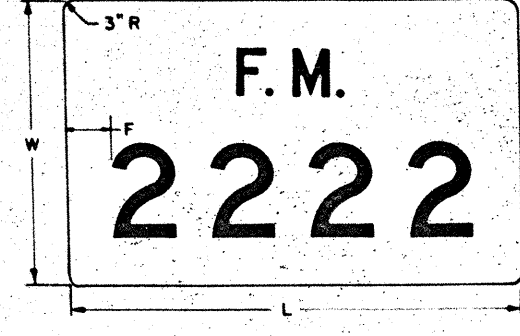
Sign Type	Digits	W
MI-6L4A	4	24
MI-6L4B	4	36
MI-6L4C	4	48
MI-6L3A	3	24
MI-6L3B	3	36
MI-6L3C	3	48
MI-6L2A	2	24
MI-6L2B	2	36
MI-6L2C	2	48
MI-6L1A	1	24
MI-6L1B	1	36
MI-6L1C	1	48



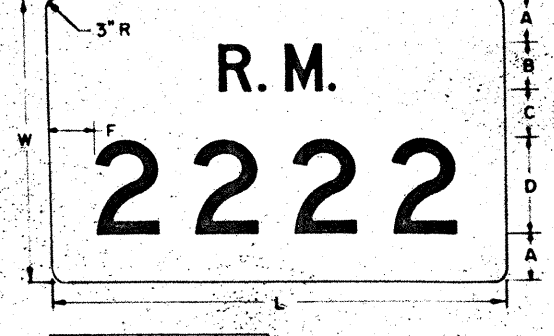
Sign Type	Digits	W
MI-6S4A	4	24
MI-6S4B	4	36
MI-6S4C	4	48
MI-6S3A	3	24
MI-6S3B	3	36
MI-6S3C	3	48
MI-6S2A	2	24
MI-6S2B	2	36
MI-6S2C	2	48
MI-6S1A	1	24
MI-6S1B	1	36
MI-6S1C	1	48



Sign Type	Digits	W
MI-6P4A	4	24
MI-6P4B	4	36
MI-6P4C	4	48
MI-6P3A	3	24
MI-6P3B	3	36
MI-6P3C	3	48
MI-6P2A	2	24
MI-6P2B	2	36
MI-6P2C	2	48
MI-6P1A	1	24
MI-6P1B	1	36
MI-6P1C	1	48



Sign Type	Digits	W
MI-6F4A	4	24
MI-6F4B	4	36
MI-6F4C	4	48
MI-6F3A	3	24
MI-6F3B	3	36
MI-6F3C	3	48
MI-6F2A	2	24
MI-6F2B	2	36
MI-6F2C	2	48
MI-6F1A	1	24
MI-6F1B	1	36
MI-6F1C	1	48



Sign Type	Digits	W
MI-6R4A	4	24
MI-6R4B	4	36
MI-6R4C	4	48
MI-6R3A	3	24
MI-6R3B	3	36
MI-6R3C	3	48
MI-6R2A	2	24
MI-6R2B	2	36
MI-6R2C	2	48
MI-6R1A	1	24
MI-6R1B	1	36
MI-6R1C	1	48

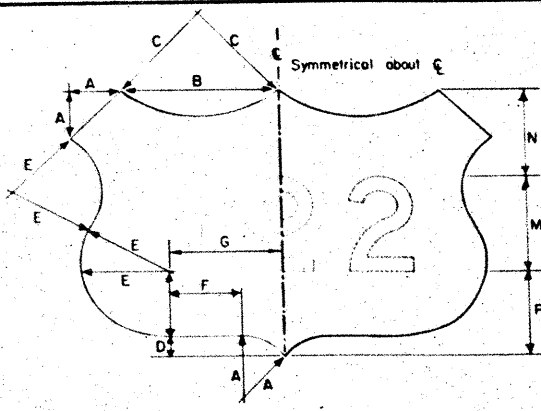
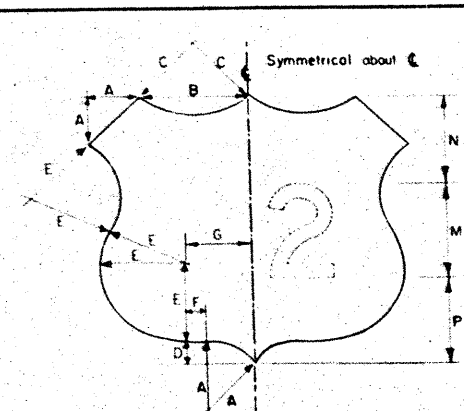
VERTICAL SPACING
FOR
STATE ROUTE MARKERS

W	A	B	C	D
24	2 1/2	4	3	12
36	4	6	4	18
48	5	8	6	24

F (minimum)
5 1/2" for 12" numeral
8 1/4" for 18" numeral
11" for 24" numeral

L: Variable with the number of digits; however, total marker length shall be adjusted to nearest 1" multiple

M 1-6 STATE ROUTE MARKERS FOR GUIDE SIGN USE

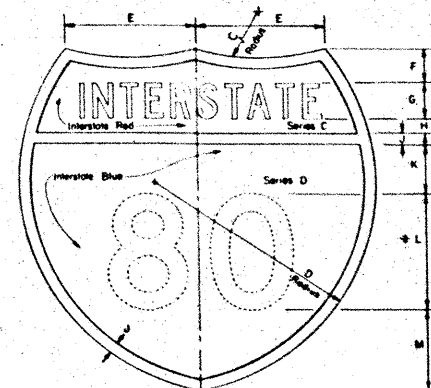


Sign Type	Size	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Area
MI-4D2	12" NUMERALS 2 DIGIT	24x24	5	7	5	2	7	1	5	12	5 1/2	6 1/2	3.18				
MI-4D3	12" NUMERALS 3 DIGIT	30x24	5	10	9	2	7	4	8	12	5 1/2	6 1/2	4.05				
MI-4E2	18" NUMERALS 2 DIGIT	36x36	7 1/2	10 1/2	7 1/2	3	10 1/2	1 1/2	7 1/2	18	8 1/2	9 1/2	7.15				
MI-4E3	18" NUMERALS 3 DIGIT	45x36	7 1/2	15	13 1/2	3	10 1/2	6	12	18	8 1/2	9 1/2	9.11				
MI-4F2	24" NUMERALS 2 DIGIT	48x48	10	14	10	4	14	2	10	24	11	13	12.70				
MI-4F3	24" NUMERALS 3 DIGIT	60x48	10	20	18	4	14	8	16	24	11	13	16.20				

ALL LENGTHS SHOWN ARE IN INCHES, ALL AREAS ARE IN SQUARE FEET.

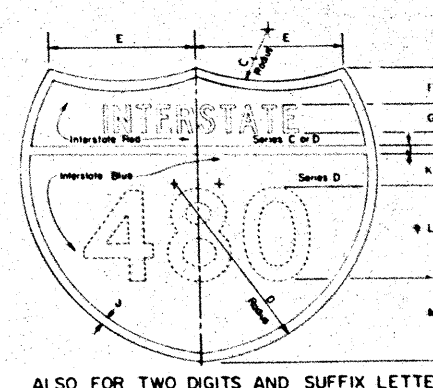
NOTES

- DIMENSIONS FOR THE U.S. ROUTE MARKER OUTLINES ARE SCALE DIMENSIONS AND MAY BE ADJUSTED SLIGHTLY WHERE NECESSARY FOR CLOSURE OF THE OUTLINES.
- IN A FEW CASES NUMERALS CANNOT BE ACCOMMODATED WITHIN THE SPACE AVAILABLE. FOR THESE CASES, THE STANDARD SERIES D MAY BE REDUCED TO SERIES C, OR AS A SECOND CHOICE REDUCED TO THE NEXT SMALLER HEIGHT COMMONLY AVAILABLE.



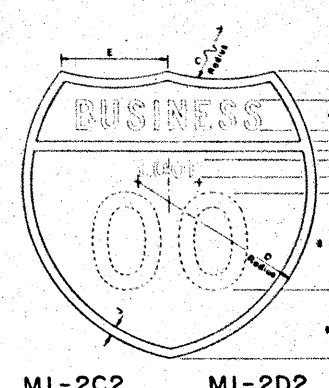
MI-1C2
36" x 36"

LETTERS - WHITE REFLECTIVE
NUMERALS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND (UPPER PORTION) - RED REFLECTIVE
BACKGROUND (LOWER PORTION) - BLUE REFLECTIVE



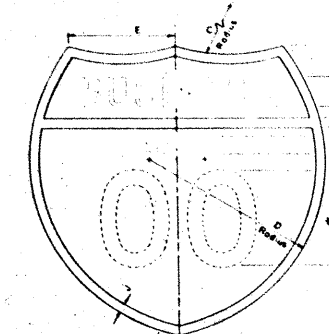
MI-1D2
48" x 48"

LETTERS - WHITE REFLECTIVE
NUMERALS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND (UPPER PORTION) - RED REFLECTIVE
BACKGROUND (LOWER PORTION) - BLUE REFLECTIVE



MI-2C2
36" x 36"

LETTERS - WHITE REFLECTIVE
NUMERALS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE



MI-3C2
36" x 36"

LETTERS - WHITE REFLECTIVE
NUMERALS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

		SIZE	C	D	E	F	G	H	J	K	L*	M	N	AREA	
INTERSTATE	MI-1C2	18" NUMERALS 2 DIGIT	36x36	22 1/2	22 1/2	13 1/8	3	3 3/4 C	3/4	3/4	1 1/2	18D	8 1/2	—	7.18
	MI-1D2	24" NUMERALS 2 DIGIT	48x48	30	30	17 3/8	4	5C	1	1	2	24D	11	—	12.76
	MI-1C3	18" NUMERALS 3 DIGIT	45x36	36	25 1/2	20 1/8	3	3 3/4 C	3/4	3/4	1 1/2	18D	8 1/2	—	9.41
	MI-1D3	24" NUMERALS 3 DIGIT	60x48	48	34	26 7/8	4	5D	1	1	2	24D	11	—	16.74
BUSINESS LOOP SPUR	MI-2C2	15" NUMERALS 2 DIGIT	36x36	22 1/2	22 1/2	13 1/8	3	3 3/4 C	3/4	3/4	3/4	15D	9	2 1/2 D	7.18
	MI-2D2	20" NUMERALS 2 DIGIT	48x48	30	30	17 3/8	4	5C	1	1	1	20D	12	3D	12.76
	MI-3C2	15" NUMERALS 2 DIGIT	36x36	22 1/2	22 1/2	13 1/8	3	3 3/4 C	3/4	3/4	3/4	15D	9	2 1/2 D	7.18
	MI-3D2	20" NUMERALS 2 DIGIT	48x48	30	30	17 3/8	4	5C	1	1	1	20D	12	3D	12.76

ALL LENGTHS SHOWN ARE IN INCHES, ALL AREAS ARE IN SQUARE FEET.

US. ROUTE MARKERS FOR GUIDE SIGN USE

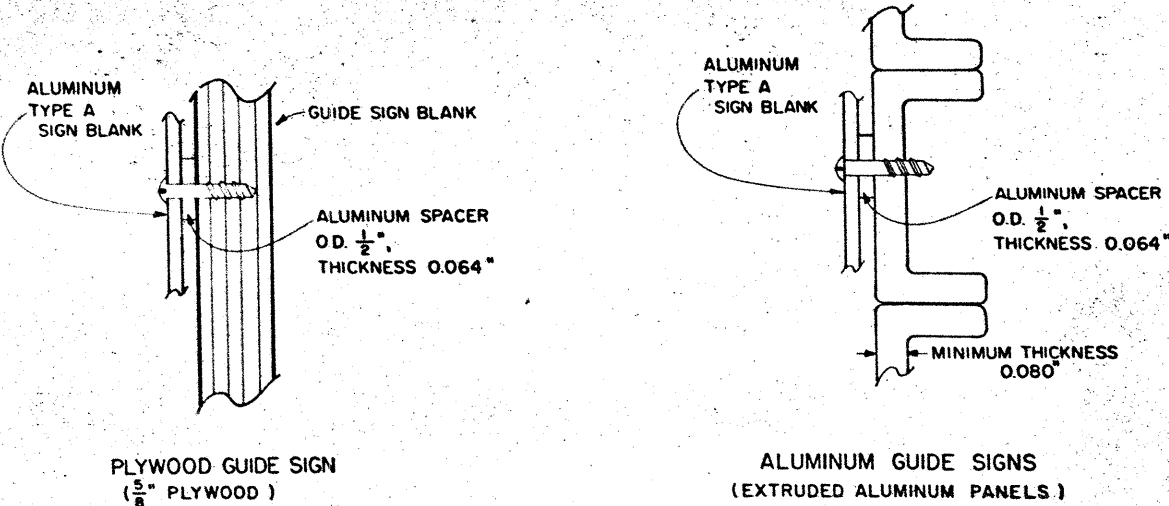
INTERSTATE ROUTE MARKERS FOR GUIDE SIGN USE

STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

INTERSTATE, U.S. AND STATE
ROUTE MARKERS 48
FOR ATTACHMENT TO GUIDE SIGNS
IM(1)

DRAWING DATE: 7-72		STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
DW--	REVISIONS	18	6	F593(27)	48
CK--	8-73: notes and borders	COUNTY		CONTROL SECTION	JOB
DW--	4-78: add "G" for US markers	DALLAS		261	2 33
CK--	1-81: Sign Numbers				15 67
					2

TYPICAL ATTACHMENT OF ROUTE MARKERS AND "EXIT ONLY" PANELS TO GUIDE SIGNS

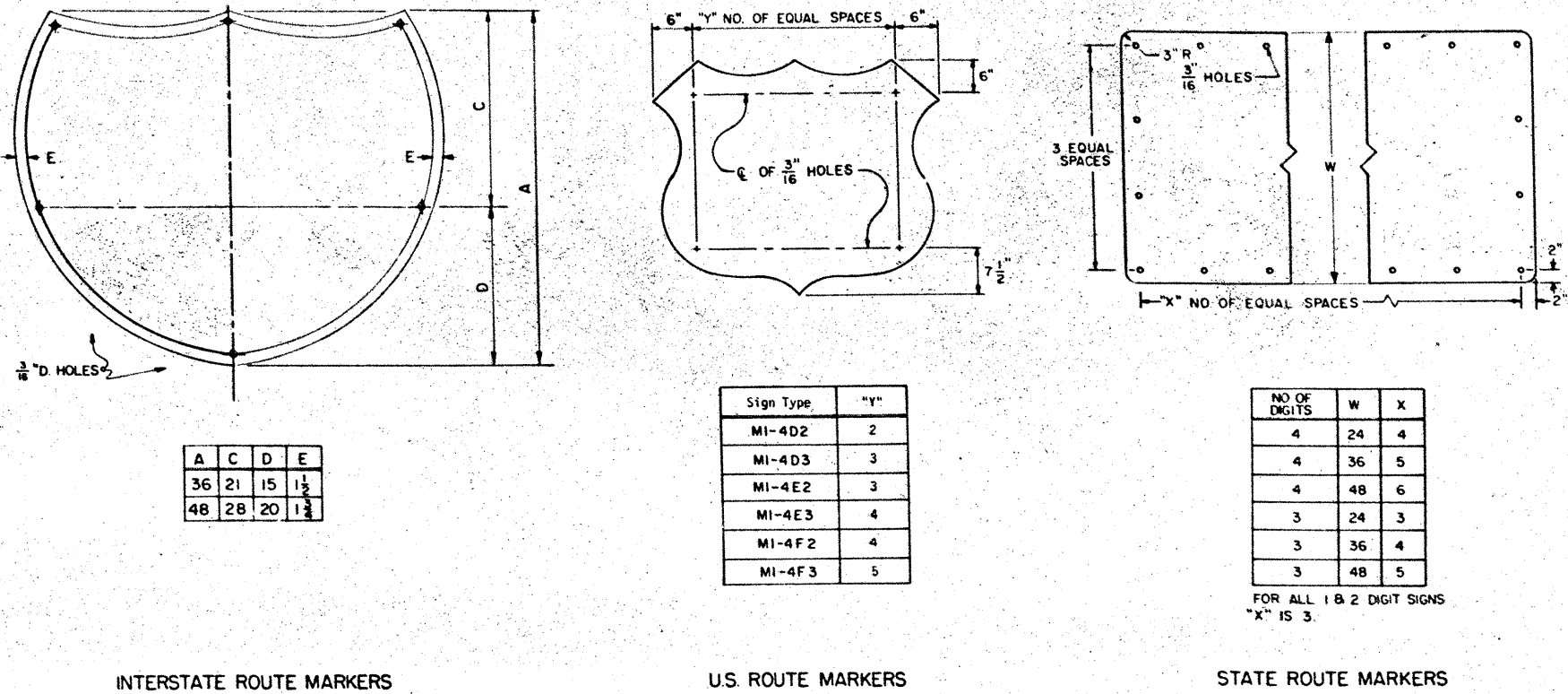


NOTES:

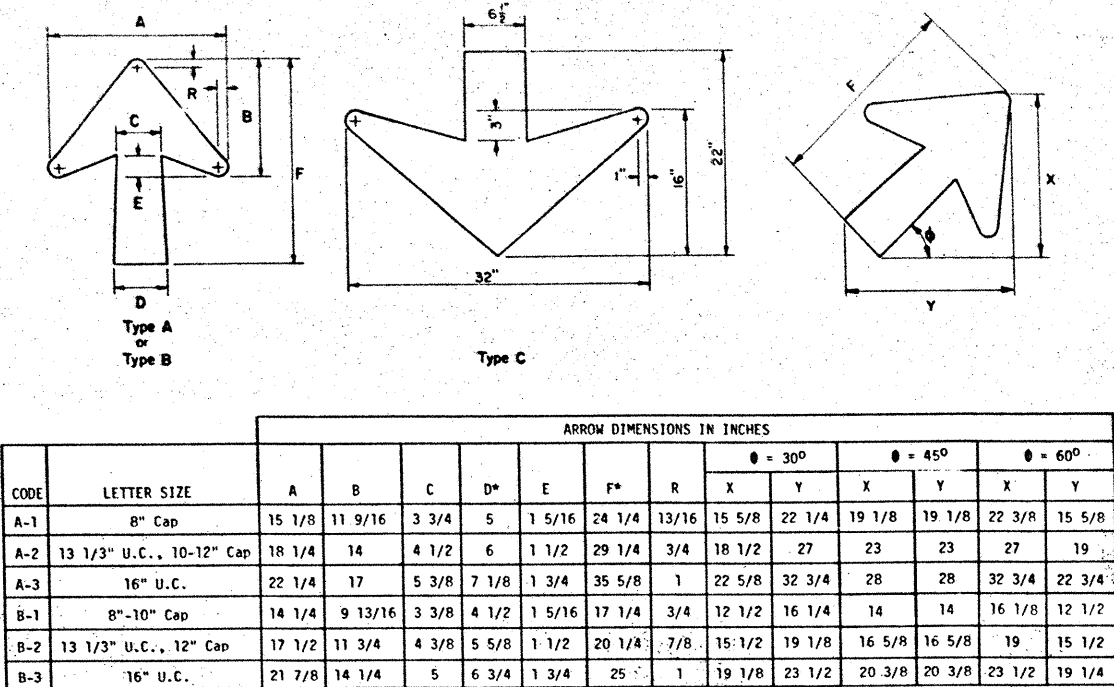
(1) ROUTE MARKERS ATTACHED TO GUIDE SIGNS SHALL BE TYPE A ALUMINUM, AS REQUIRED BY THE PLANS. SKETCHES SHOWN ABOVE ARE EXAMPLES ONLY.

(2) SCREWS OR BOLTS, NUTS AND WASHERS SHALL BE EITHER STAINLESS STEEL, GALVANIZED STEEL, OR ALUMINUM.

(3) ROUTE MARKERS OR "EXIT ONLY" PANELS SHALL BE ATTACHED TO PLYWOOD AND ALUMINUM SIGNS OF THE ABOVE TYPES WITH SCREWS OF SUFFICIENT LENGTH TO HOLD THE BLANK FIRMLY IN PLACE. THE SCREWS FOR PLYWOOD SIGNS SHALL NOT PROTRUDE THROUGH THE BACK OF THE SIGN. ALL HOLES REQUIRED IN THE PUNCHING DETAIL OF THE BLANK SHALL HAVE SCREWS.



SIGN BLANK PUNCHING DETAILS FOR ROUTE MARKERS WHEN ATTACHED TO GUIDE SIGN



WHERE A REMOVABLE REFLECTORIZED ARROW IS REQUIRED ON A GUIDE SIGN WHICH HAS A DEPTH OF 2" - 0" AND WHICH IS USUALLY ERECTED ON RAMP AND CROSSROADS AT INTERCHANGES, THE ARROW SHALL BE A TYPE B - 1.

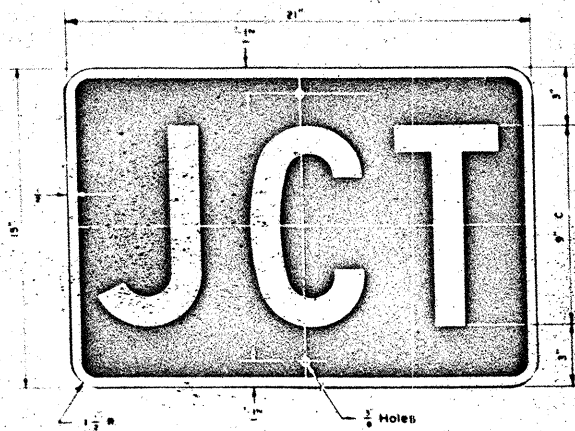
* RECOMMENDED DIMENSIONS: TAPER SHOULD BE HELD CONSTANT FOR LONGER OR SHORTER SHAFT LENGTHS.

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

INTERSTATE, U.S. AND STATE ROUTE MARKERS 49

FOR ATTACHMENT TO GUIDE SIGNS IM(2)

DRAWING DATE: 1-81		STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
DN-1	REVISIONS	18	6	F593(27)	49
CK-1					
DN-2					
CK-2					
		COUNTY	CONTROL SECTION	JOB	HIGHWAY
		DALLAS	261	2 53	US67
					3

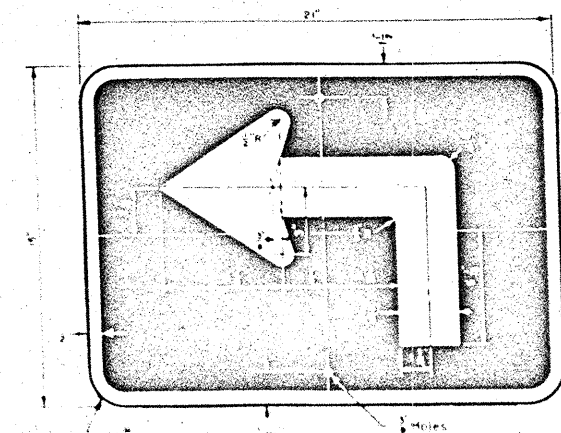


M2-1B
21" x 15"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

M2-1G
21" x 15"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

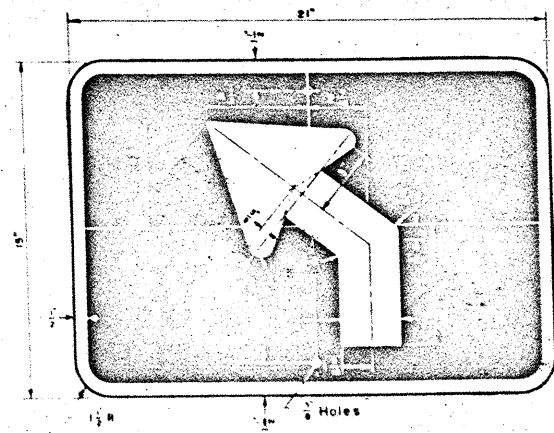


M5-1BL (AS SHOWN)
M5-1BR (OPP HAND)
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

M5-1GL
M5-1GR (OPP HAND)
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

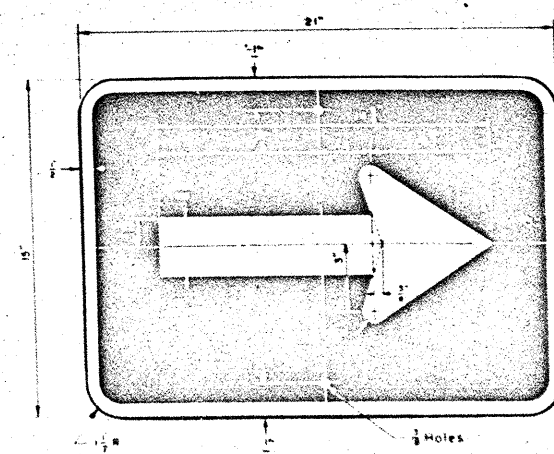


M5-2BL (AS SHOWN)
M5-2BR (OPP HAND)
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

M5-2GL
M5-2GR (OPP HAND)
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

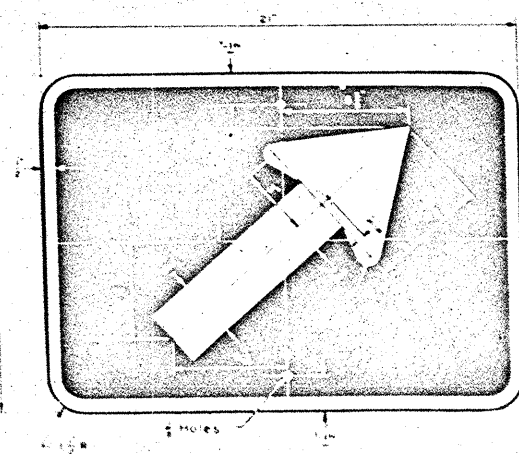


M6-1B
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

M6-1G
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

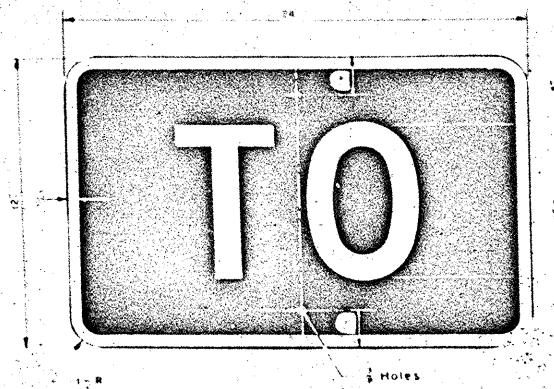


M6-2BR (AS SHOWN)
M6-2BL (OPP HAND)
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

M6-2GR
M6-2GL (OPP HAND)
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

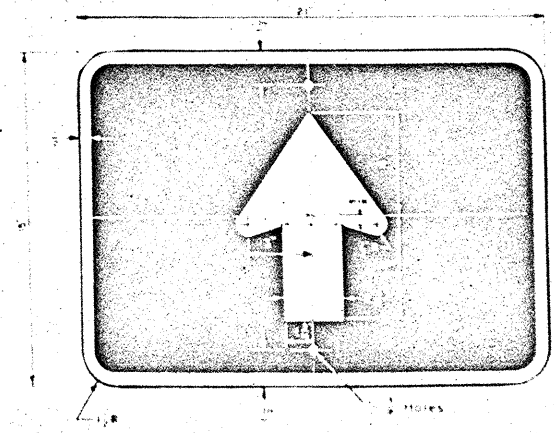


M4-5B
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

M4-5G
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

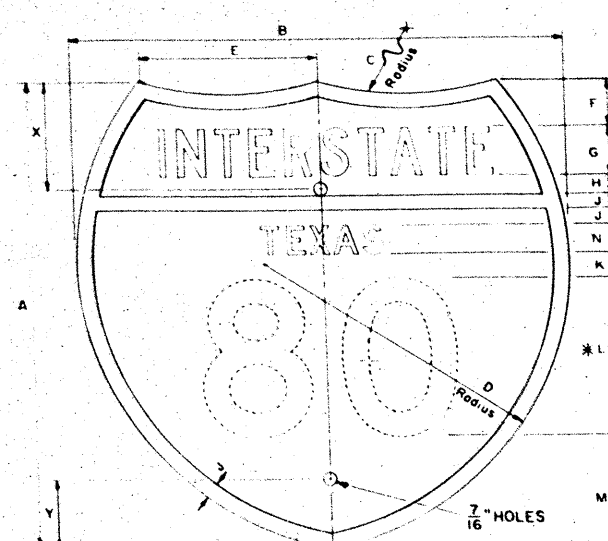


M6-3B
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

M6-3G
21" x 15"

SYMBOL - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE



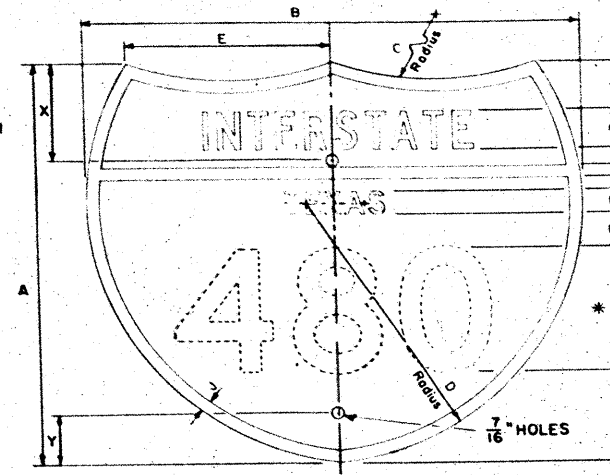
MI-1A2
24" x 24"
X: 4 3/4" Y: 4"

MI-1B2
36" x 36"
X: 7 1/8" Y: 6"

LETTERS - WHITE REFLECTIVE
NUMERALS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND (UPPER PORTION) - RED REFLECTIVE
BACKGROUND (LOWER PORTION) - BLUE REFLECTIVE

	MI-1A2 10" NUMERALS 2 DIGITS	MI-1B2 15" NUMERALS 2 DIGITS
A	24	36
B	24	36
C	15	22-1/2
D	15	22-1/2
E	8-7/8	13-1/8
F	2	3
G	2-1/2 C	3-3/4 C
H	1/2	3/4
J	1/2	3/4
K	1/2	3/4
*L	10 D	15 D
M	6	9
N	1-1/2 D	2-1/4 D
AREA	3.19	7.18

NOTE: In a few cases numerals cannot be accommodated within the available space. For these cases, the standard series D numeral may be reduced to series C, or as a second choice to the next smaller height commonly available.



MI-1A3
30" x 24"
X: 4 3/4" Y: 4"

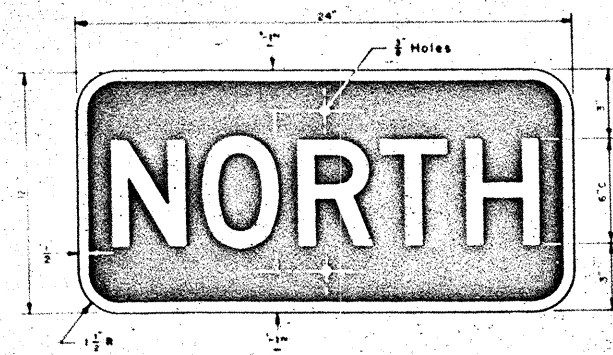
MI-1B3
45" x 36"
X: 7 1/8" Y: 6"

LETTERS - WHITE REFLECTIVE
NUMERALS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND (UPPER PORTION) - RED REFLECTIVE
BACKGROUND (LOWER PORTION) - BLUE REFLECTIVE

	MI-1A3 10" NUMERALS 3 DIGIT	MI-1B3 15" NUMERALS 3 DIGIT
A	24	36
B	30	45
C	24	36
D	17	25-1/2
E	13-3/8	20-1/8
F	2	3
G	2-1/2 C	3-3/4 C
H	1/2	3/4
J	1/2	3/4
K	1/2	3/4
*L	10 D	15 D
M	6	9
N	1-1/2 D	2-1/4 D
AREA	4.18	9.41

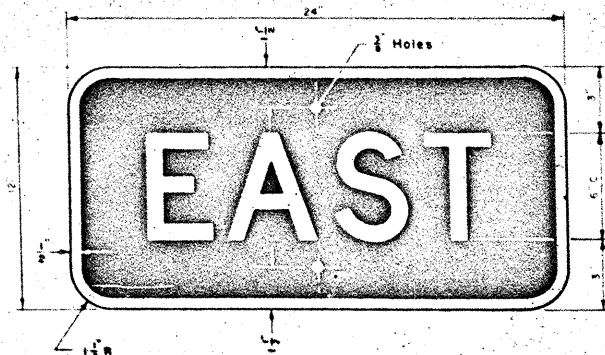
GENERAL NOTES:
ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS SHALL CONFORM WITH THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," LATEST EDITION, AND ANY APPROVED CHANGES THERETO. LATERAL SPACING OF TEXT SHALL BE SUCH AS TO PROVIDE A BALANCED APPEARANCE.
SIGNS SHALL HAVE COLORED TRANSPARENT INK OVER FLAT SURFACE REFLECTIVE SHEETING USING THE REVERSE SCREEN PROCESS.
THE SIGN BLANKS SHALL BE ONE PIECE SHEET ALUMINUM ALLOY 0.080 INCH THICK CONFORMING WITH THE ITEM "ALUMINUM SIGNS (TYPE A)", EXCEPT MI-1B3 SHALL BE ONE PIECE SHEET ALUMINUM ALLOY 0.100 INCH THICK CONFORMING WITH THE SPECIFICATION ITEM "ALUMINUM SIGNS (TYPE A)".

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION		50	
INTERSTATE MARKERS FOR INDEPENDENT MOUNTING			
IM(3)			
DRAWING DATE 7-72		STATE FEDERAL AID PROJECT	SHEET
DN: 18	REVISIONS	6	50
CK: 18	1-B1: Sign Numbers, Notes	F593(27)	
DM: 18		COUNTY	CONTROL SECTION JOB HIGHWAY
CK: 18		DALLAS	261 2 33 US67
			4



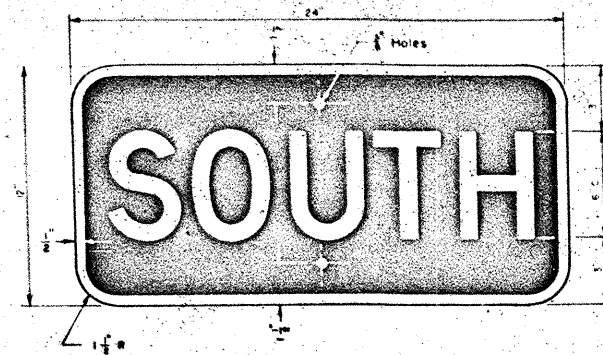
M3-1B
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE



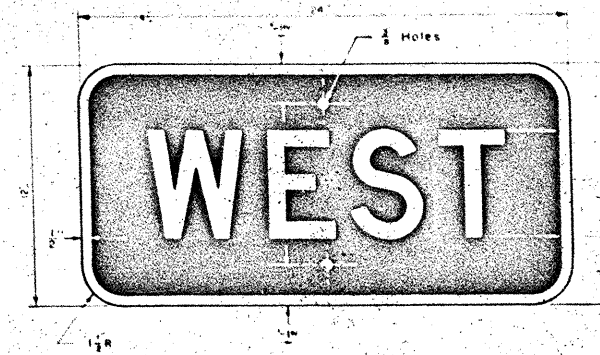
M3-1G
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE



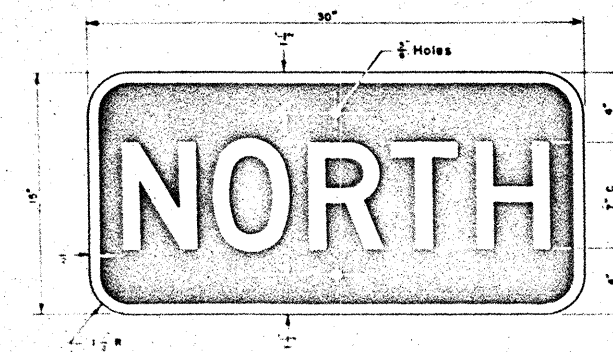
M3-2B
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE



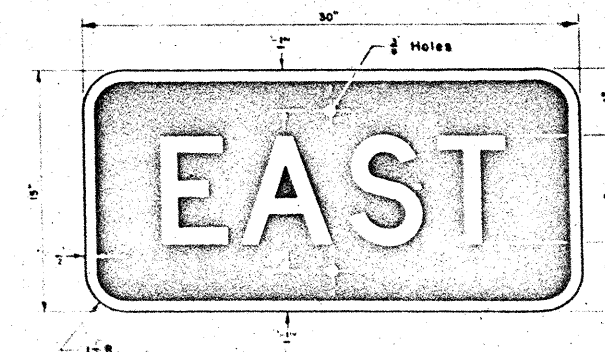
M3-2G
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE



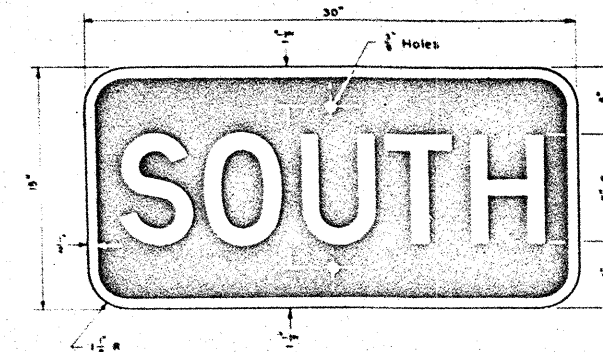
M3-3B
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE



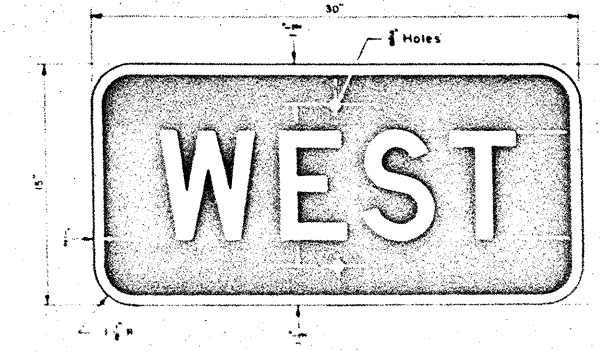
M3-3G
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE



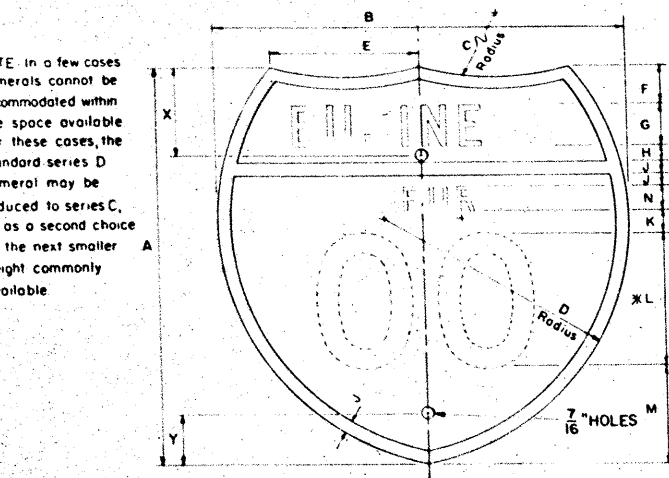
M3-4B
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE



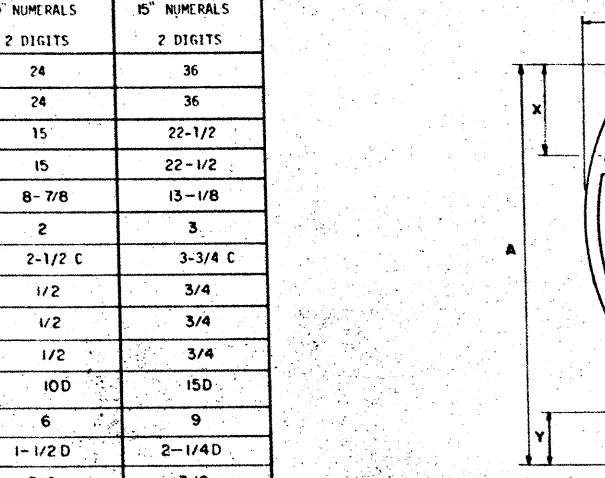
M3-4G
24" x 12"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE



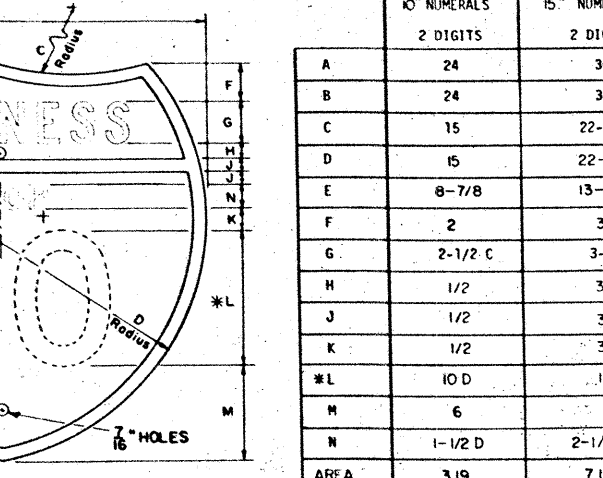
SM3-1B
30" x 15"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE



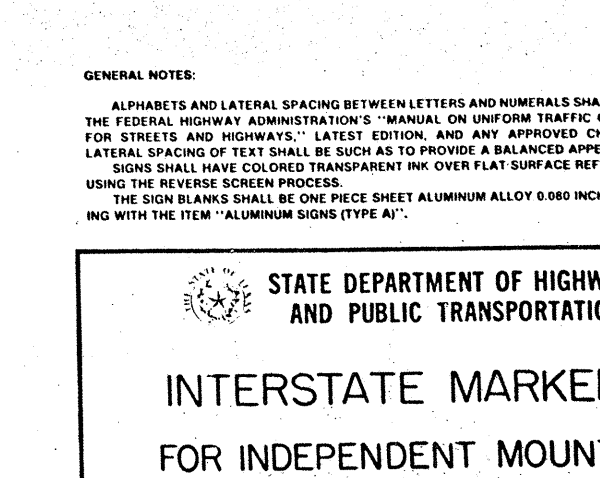
SM3-1G
30" x 15"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE



SM3-2B
30" x 15"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - BLUE REFLECTIVE

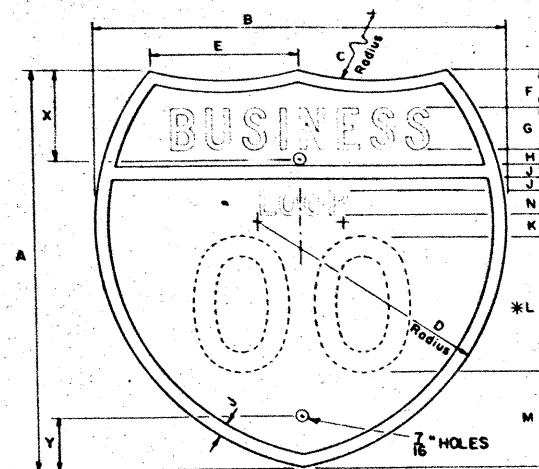


SM3-2G
30" x 15"

LETTERS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

NOTE: In a few cases numerals cannot be accommodated within the space available. For these cases, the standard series D numeral may be reduced to series C, or as a second choice to the next smaller height commonly available.

	M1-3A2 10" NUMERALS 2 DIGITS	M1-3B2 15" NUMERALS 2 DIGITS
A	24	36
B	24	36
C	15	22-1/2
D	15	22-1/2
E	8-7/8	13-1/8
F	2	3
G	2-1/2 C	3-3/4 C
H	1/2	3/4
J	1/2	3/4
K	1/2	3/4
*L	10 D	15 D
M	6	9
N	1-1/2 D	2-1/4 D
AREA	3.19	7.18



MI-2A2
24" x 24"
X=4 3/4" Y=4"

LETTERS - WHITE REFLECTIVE
NUMERALS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

	MI-2A2 10" NUMERALS 2 DIGITS	MI-2B2 15" NUMERALS 2 DIGITS
A	24	36
B	24	36
C	15	22-1/2
D	15	22-1/2
E	8-7/8	13-1/8
F	2	3
G	2-1/2 C	3-3/4 C
H	1/2	3/4
J	1/2	3/4
K	1/2	3/4
*L	10 D	15 D
M	6	9
N	1-1/2 D	2-1/4 D
AREA	3.19	7.18

MI-2B2
36" x 36"
X=7 1/8" Y=6"

LETTERS - WHITE REFLECTIVE
NUMERALS - WHITE REFLECTIVE
BORDER - WHITE REFLECTIVE
BACKGROUND - GREEN REFLECTIVE

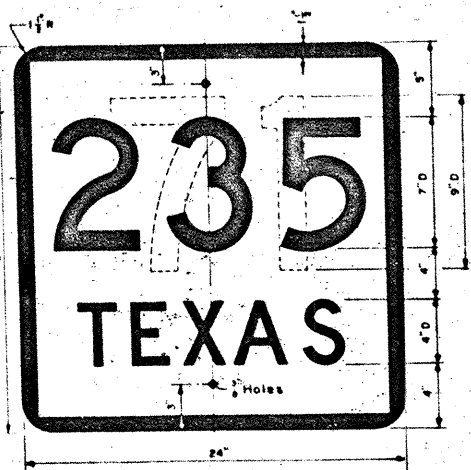
GENERAL NOTES:
ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS SHALL CONFORM WITH THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," LATEST EDITION, AND ANY APPROVED CHARGES THERETO. LATERAL SPACING OF TEXT SHALL BE SUCH AS TO PROVIDE A BALANCED APPEARANCE. SIGNS SHALL HAVE COLORED TRANSPARENT INK OVER FLAT SURFACE REFLECTIVE SHEETING USING THE REVERSE SCREEN PROCESS. THE SIGN BLANKS SHALL BE ONE PIECE SHEET ALUMINUM ALLOY 0.080 INCH THICK CONFORMING WITH THE ITEM "ALUMINUM SIGNS (TYPE A)".

STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

INTERSTATE MARKERS
FOR INDEPENDENT MOUNTING

IM(4)

DRAWING DATE: 7-72	STATE (DISTRICT)	FEDERAL AID PROJECT	SHEET
10-73: notes & sign borders 1-81: Sign Numbers, Notes	18 6	F593(27)	51
	COUNTY	CONTROL SECTION	JOB
	DALLAS	261 2	33
			US 67
			5



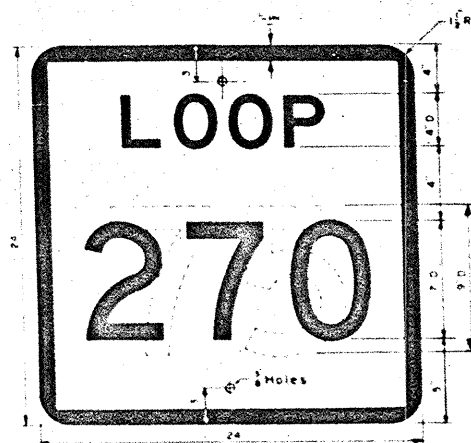
M1-6T
24" x 24"

LETTERS - BLACK
NUMERALS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE



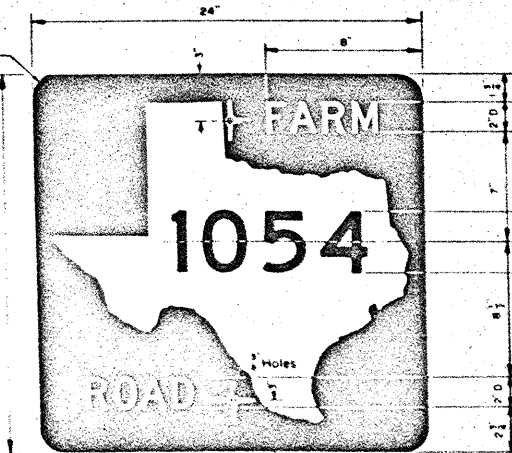
M1-6P
24" x 24"

LETTERS - BLACK
NUMERALS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE



M1-6L
24" x 24"

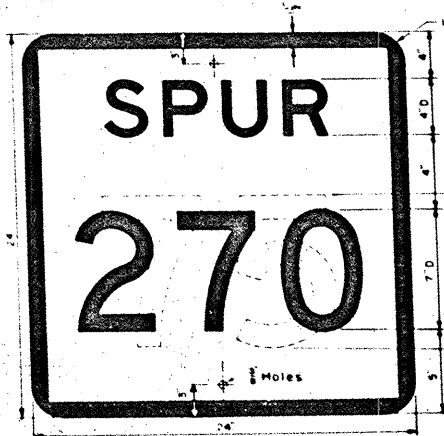
LETTERS - BLACK
NUMERALS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE



M1-6F
24" x 24"

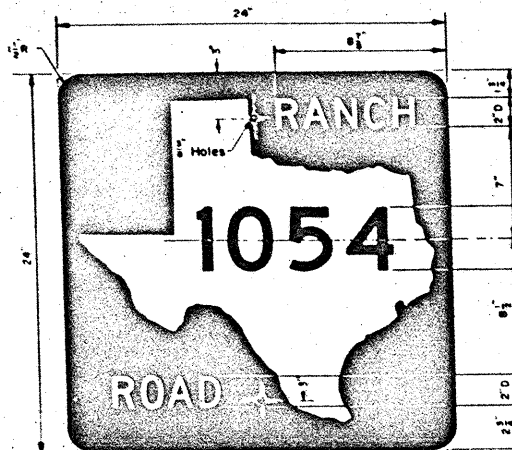
LETTERS - WHITE REFLECTIVE
NUMERALS - BLACK
SYMBOL - WHITE REFLECTIVE
BACKGROUND - BLACK

1 DIGIT - 6" D
2 DIGITS - 6" D
3 DIGITS - 5" D
4 DIGITS - 4" D



M1-6S
24" x 24"

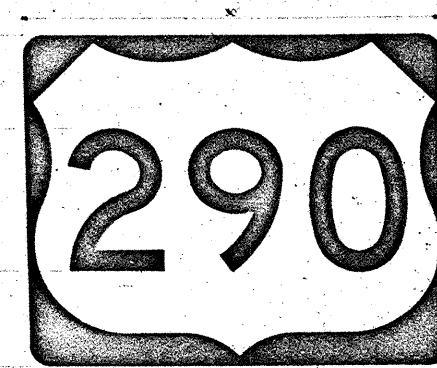
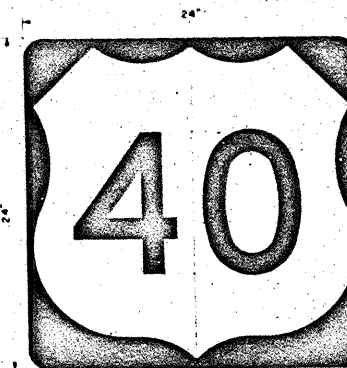
LETTERS - BLACK
NUMERALS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE



M1-6R
24" x 24"

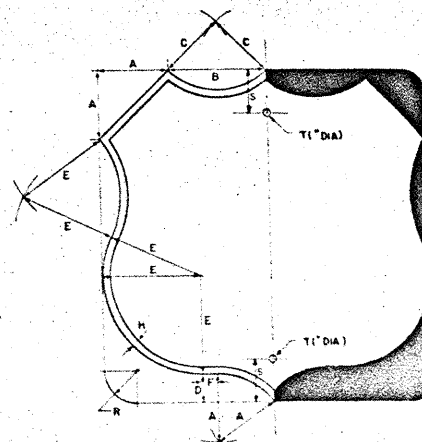
LETTERS - WHITE REFLECTIVE
NUMERALS - BLACK
SYMBOL - WHITE REFLECTIVE
BACKGROUND - BLACK

M1-4A2
24" x 24"
NUMERALS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE



M1-4A3
30" x 24"
NUMERALS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE

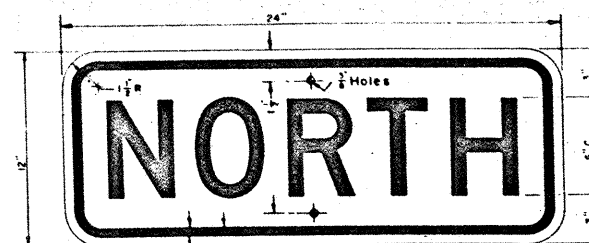
* In a few cases numerals cannot be accommodated in the space available. For these situations, the standard Series D numeral may be reduced to Series C, or as a second choice to the next height commonly available.



		A	B	C	D	E	F	H	R	S	T
M1-4A2	24 x 24 2 DIGIT	5	7	5	2	7	1	1/2	1/2	3	3/8
M1-4A3	30 x 24 3 DIGIT	5	10	9	2	7	4	1/2	1/2	3	3/8

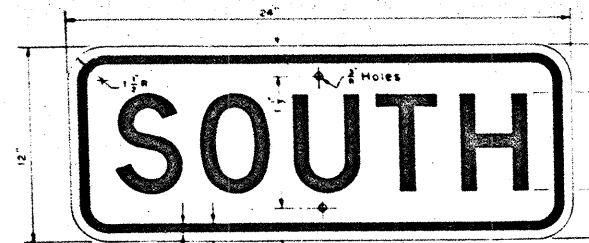
ALL DIMENSIONS SHOWN ARE IN INCHES

NOTE: DIMENSIONS FOR THE U.S. ROUTE MARKER OUTLINES ARE SCALE DIMENSIONS AND MAY BE ADJUSTED SLIGHTLY WHERE NECESSARY FOR CLOSURE OF THE OUTLINES



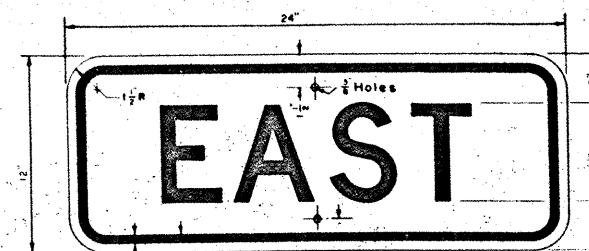
M3-1
24" x 12"

LETTERS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE



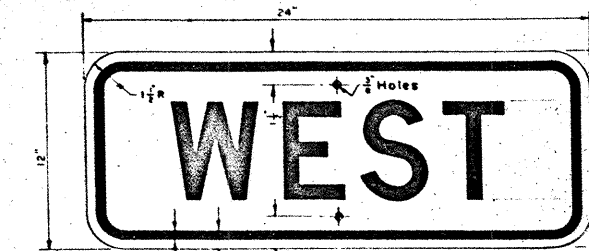
M3-3
24" x 12"

LETTERS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE



M3-2
24" x 12"

LETTERS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE



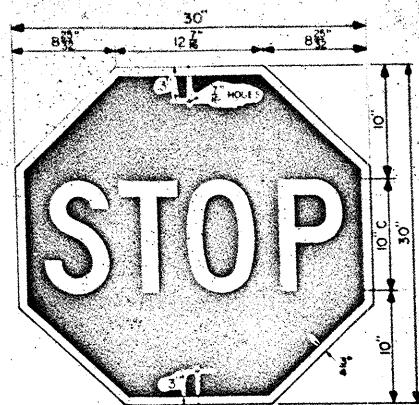
M3-4
24" x 12"

LETTERS - BLACK
BORDER - BLACK
BACKGROUND - WHITE REFLECTIVE

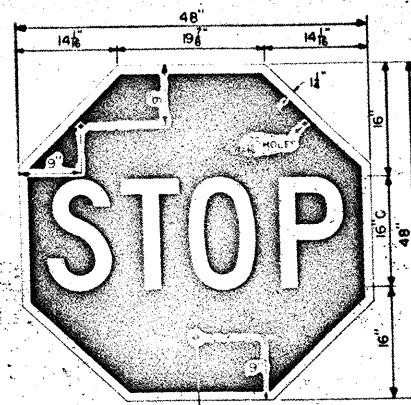
GENERAL NOTES:

ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS 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. LATERAL SPACING OF TEXT SHALL BE SUCH AS TO PROVIDE A BALANCED APPEARANCE. SIGN BACKGROUNDS SHALL BE OF FLAT SURFACE REFLECTIVE SHEETING CONFORMING TO THE SPECIFICATIONS. THE LETTERS, NUMERALS AND BACKGROUNDS OF M1-4A2, M1-4A3, M1-6F, AND M1-6R SHALL BE APPLIED BY THE REVERSE SCREEN PROCESS. FOR THE OTHER SIGNS, THE LETTERS, NUMERALS, AND BORDERS SHALL BE APPLIED TO THE REFLECTIVE MATERIAL BY THE SCREEN PROCESS. M1-4A2, M1-4A3, M1-6T, M1-6L, M1-6S, M1-6P, M1-6F AND M1-6R ROUTE MARKERS ARE TO BE USED AS CONFIRMING AND REASSURANCE ROUTE MARKERS AND AS COMPONENT PARTS OF A JUNCTION, ROUTE TURN, DIRECTIONAL, OR TRAILBLAZER ASSEMBLY. FOR THE M1-6F AND M1-6R ROUTE MARKERS, A PRINT OF THE TEXAS STATE OUTLINE MAY BE OBTAINED FROM THE DEPARTMENT TO BE USED FOR MAKING A STENCIL. THE SIGN BLANKS SHALL BE ONE PIECE SHEET ALUMINUM ALLOY 0.080 INCH THICK CONFORMING WITH THE ITEM "ALUMINUM SIGNS (TYPE A)".

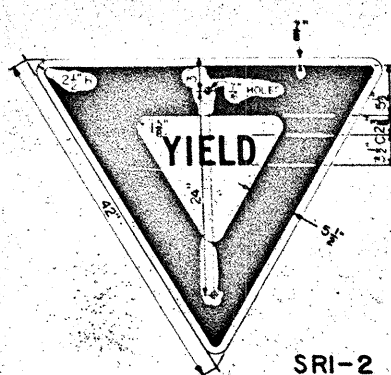
STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION		52	
U.S. & STATE MARKERS FOR INDEPENDENT MOUNTING			
M(1)			
DRAWING DATE: 7-72		STATE	FEDERAL AID PROJECT
DISTRICT		18	6
COUNTY		F592(27)	
CONTROL SECTION		261	
JOB		2	
HIGHWAY		33	
SHEET		6	



R1-1
30" x 30"
Letters - White Reflective
Border - White Reflective
Background - Red Reflective

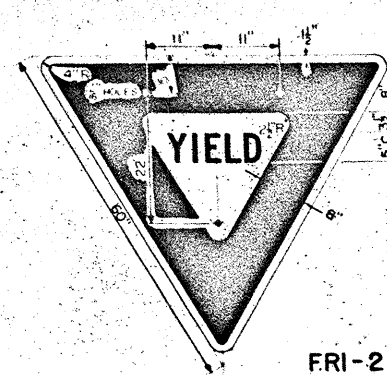


SR1-1
48" x 48"
Letters - White Reflective
Border - White Reflective
Background - Red Reflective



SRI-2
42" x 42" x 42"

Letters - Red Reflective
Border Band - Red Reflective
Background - White Reflective



FRI-2
60" x 60" x 60"

Letters - Red Reflective
Border Band - Red Reflective
Background - White Reflective



R2-1
24" x 30"

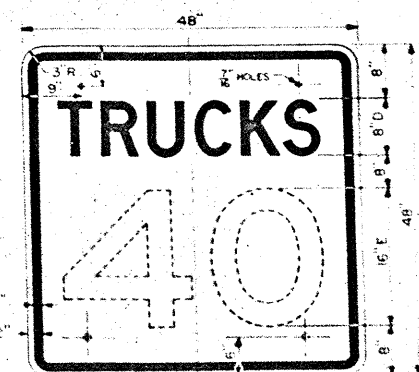
Letters - Black
Numerals - Black
Border - Black
Background - White Reflective



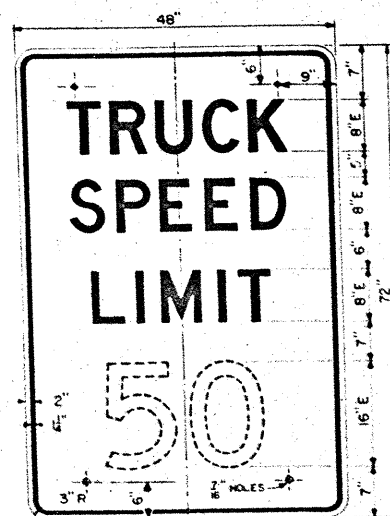
FR2-1
48" x 60"

Letters - Black
Numerals - Black
Border - Black
Background - White Reflective

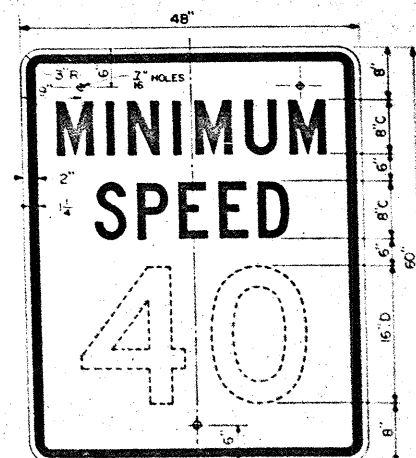
NOTE: WHEN FR2-1 IS MOUNTED ON A TYPE G MOUNT, SEE SHEET SMD(2), THERE SHALL BE A 7/16" DIAMETER HOLE IN EACH CORNER LOCATED AS DIMENSIONED IN THE UPPER LEFT CORNER OF THIS BLANK.



FR2-2
48" x 48"
Letters - Black
Numerals - Black
Border - Black
Background - White Reflective



FR2-2A
48" x 72"
Letters - Black
Numerals - Black
Border - Black
Background - White Reflective

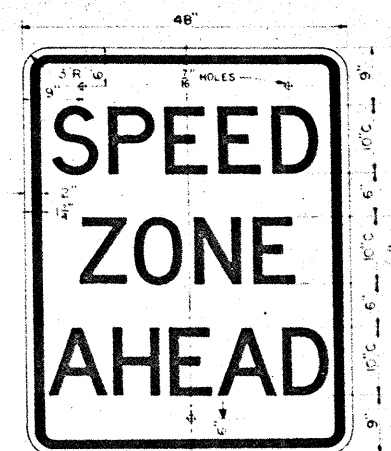


FR2-4
48" x 60"
Letters - Black
Numerals - Black
Border - Black
Background - White Reflective

WHEN FR2-4 IS MOUNTED ON A TYPE G MOUNT, SEE SHEET SMD(2), THERE SHALL BE A 7/16" DIAMETER HOLE IN EACH CORNER LOCATED AS DIMENSIONED IN THE UPPER LEFT CORNER OF THIS BLANK.



R2-5C
24" x 30"
Letters - Black
Border - Black
Background - White Reflective



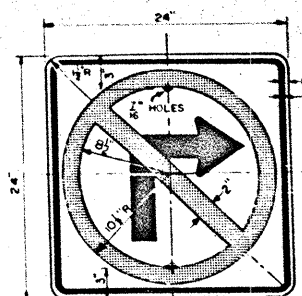
FR2-5C
48" x 60"
Letters - Black
Border - Black
Background - White Reflective

GENERAL NOTES:

ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS 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. LATERAL SPACING OF TEXT SHALL BE SUCH AS TO PROVIDE A BALANCED APPEARANCE.

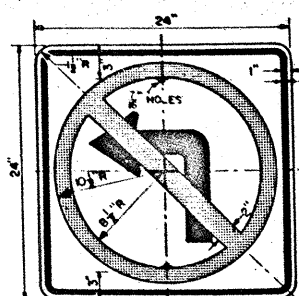
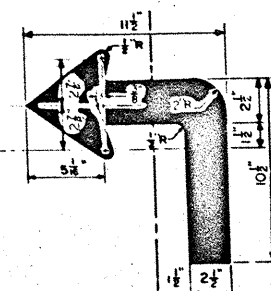
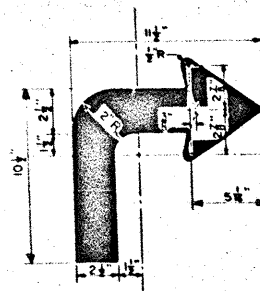
SIGN BACKGROUNDS SHALL BE OF FLAT SURFACE REFLECTIVE SHEETING, CONFORMING WITH THE SPECIFICATIONS. SIGNS CONTAINING A RED COLOR MUST BE MADE OF FLAT SURFACE REFLECTIVE SHEETING USING THE REVERSE SCREEN PROCESS.

THE SIGN BLANKS SHALL BE ONE PIECE 5/8 INCH THICK PLYWOOD (TYPE A) CONFORMING WITH THE SPECIFICATIONS, UNLESS OTHERWISE NOTED ELSEWHERE IN THE PLANS.



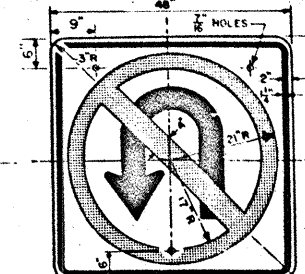
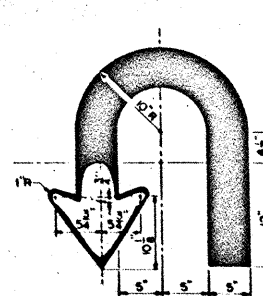
R3-1
24" x 24"

Letters - Black
Arrow - Black
Border - Black
Circle & Diagonal - Red Reflective
Background - White Reflective



R3-2
24" x 24"

Letters - Black
Arrow - Black
Border - Black
Circle & Diagonal - Red Reflective
Background - White Reflective



SR3-4
48" x 48"
Letters - Black
Arrow - Black
Border - Black
Circle & Diagonal - Red Reflective
Background - White Reflective



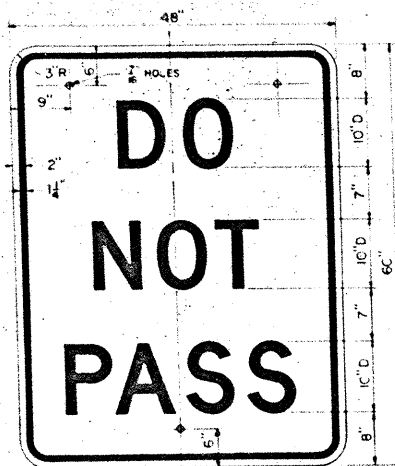
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

REGULATORY SIGNS

53

R(1)

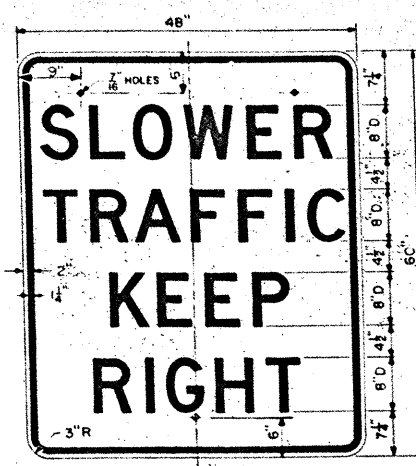
DRAWING DATE: 2-76		STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT		SHEET
DN-1	REVISONS		18	6	F592(27)	53
CK-1	4-76 SPEED SIGNS, 1-81 NIGHT-SPEED SIGNS, TURN PROHIBITION		COUNTY		CONTROL SECTION	JOB
DN-2	EDUCATIONAL PLAQUES, SIGN NO'S.		DALLAS		261	2
CK-1					33	15/67
						8



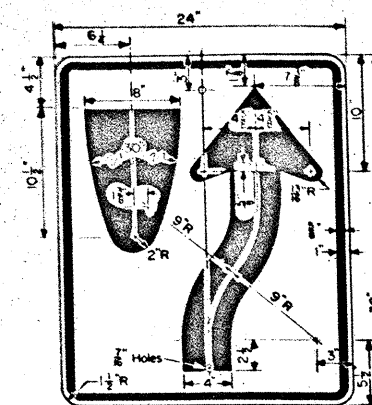
FR4-1
48" x 60"
Letters - Black
Border - Black
Background - White Reflective



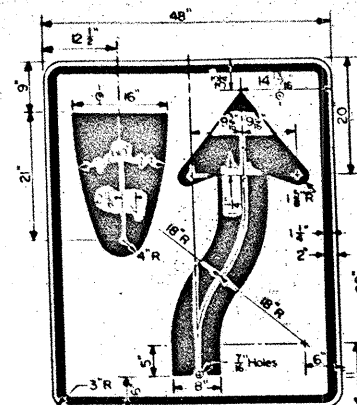
FR4-2
48" x 60"
Letters - Black
Border - Black
Background - White Reflective



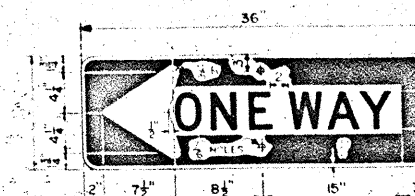
FR4-3
48" x 60"
Letters - Black
Border - Black
Background - White Reflective



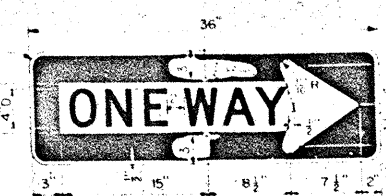
R4-7
24" x 30"
Letters - Black
Symbol - Black
Border - Black
Background - White Reflective



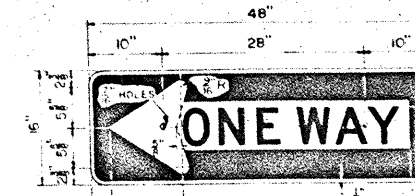
FR4-7
48" x 60"
Letters - Black
Symbol - Black
Border - Black
Background - White Reflective



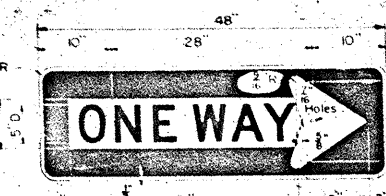
R6-1L
36" x 12"
Letters - Black
Symbol - White Reflective
Border - White Reflective
Background - Black



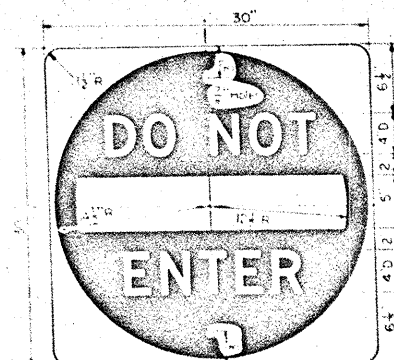
R6-1R
36" x 12"
Letters - Black
Symbol - White Reflective
Border - White Reflective
Background - Black



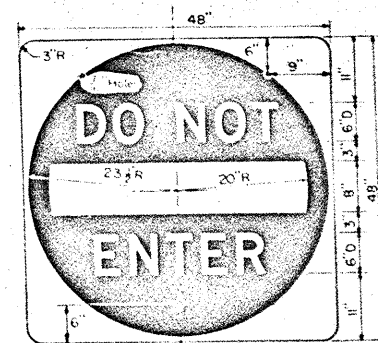
FR6-1L
48" x 16"
Letters - Black
Symbol - White Reflective
Border - White Reflective
Background - Black



FR6-1R
48" x 16"
Letters - Black
Symbol - White Reflective
Border - White Reflective
Background - Black

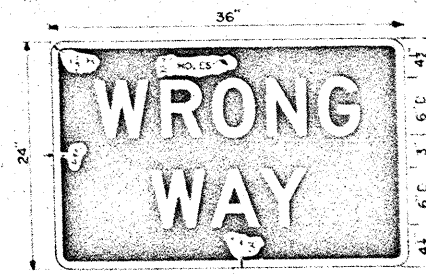


R5-1
30" x 30"
Letters - White Reflective
Bar - White Reflective
Border - White Reflective
Background - Red Reflective

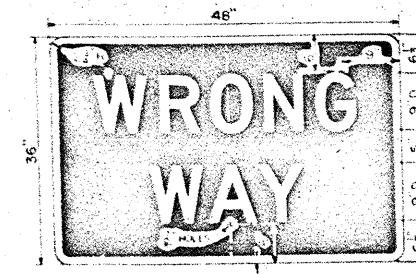


SR5-1
48" x 48"
Letters - White Reflective
Bar - White Reflective
Border - White Reflective
Background - Red Reflective

WHEN SR5-1 IS MOUNTED ON A TYPE G MOUNT, SEE SHEET SMD(2), THERE SHALL BE A 7/16" DIAMETER HOLE IN EACH CORNER LOCATED AS DIMENSIONED IN THE UPPER RIGHT CORNER OF THIS BLANK.

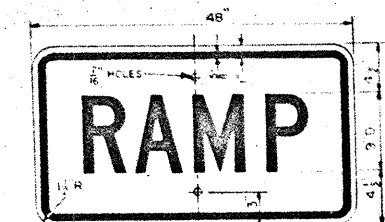


R5-1a
36" x 24"
Letters - White Reflective
Border - White Reflective
Background - Red Reflective

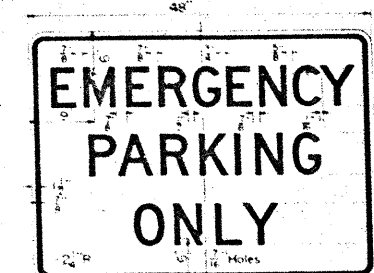


SR5-1a
48" x 36"
Letters - White Reflective
Border - White Reflective
Background - Red Reflective

WHEN SR5-1a IS MOUNTED ON A TYPE G MOUNT, SEE SHEET SMD(2), THERE SHALL BE A 7/16" DIAMETER HOLE IN EACH CORNER LOCATED AS DIMENSIONED IN THE UPPER CORNER OF THIS BLANK.



R5-1T
48" x 18"
Letters - Red Reflective
Border - Red Reflective
Background - White Reflective



FR8-4
48" x 36"
Letters - Black
Border - Black
Background - White Reflective

STOPPING

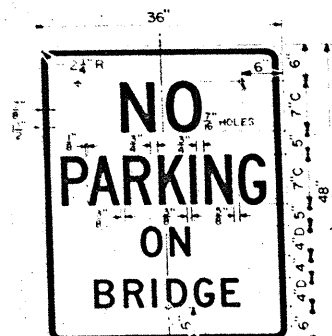
GENERAL NOTES:

ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS 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. LATERAL SPACING OF TEXT SHALL BE SUCH AS TO PROVIDE A BALANCED APPEARANCE.

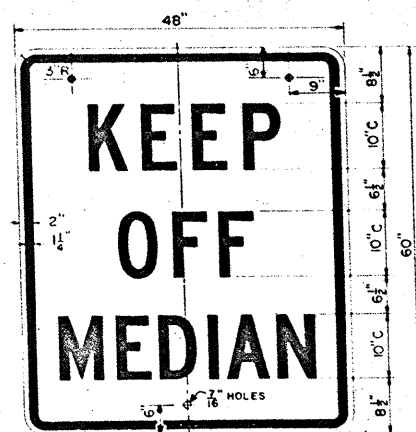
SIGN BACKGROUNDS SHALL BE OF FLAT SURFACE REFLECTIVE SHEETING, CONFORMING WITH THE SPECIFICATIONS.

SIGN LEGENDS SHALL BE APPLIED BY THE SCREENING PROCESS.

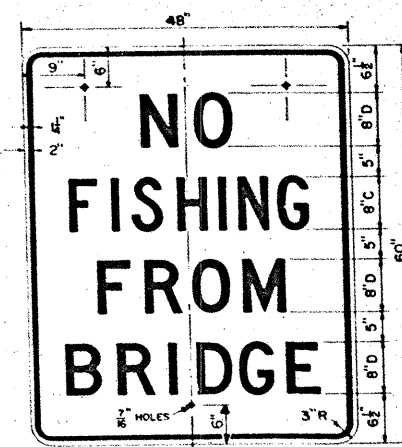
THE SIGN BLANKS SHALL BE ONE PIECE 5/8 INCH THICK PLYWOOD (TYPE A) CONFORMING WITH THE SPECIFICATIONS, UNLESS OTHERWISE NOTED ELSEWHERE IN THE PLANS.



ER8-1T
36" x 48"
Letters - Red Reflective
Border - Red Reflective
Background - White Reflective



FR11-1
48" x 60"
Letters - Black
Border - Black
Background - White Reflective



SR19-7
48" x 60"
Letters - Black
Border - Black
Background - White Reflective

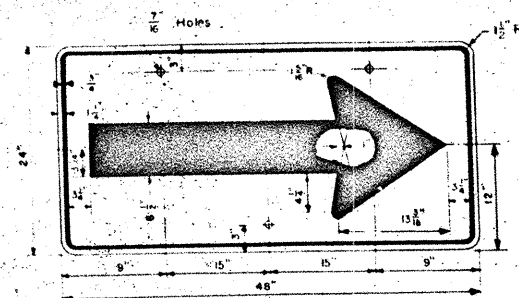


STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

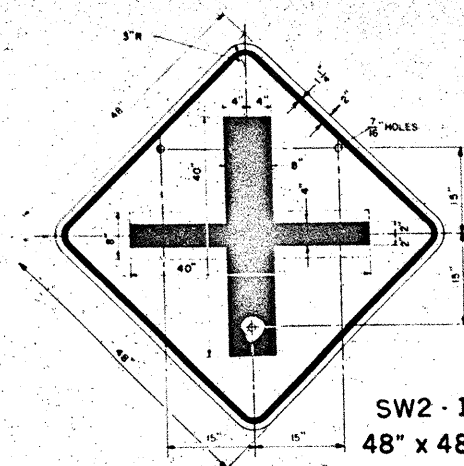
REGULATORY SIGNS

54
R(2)

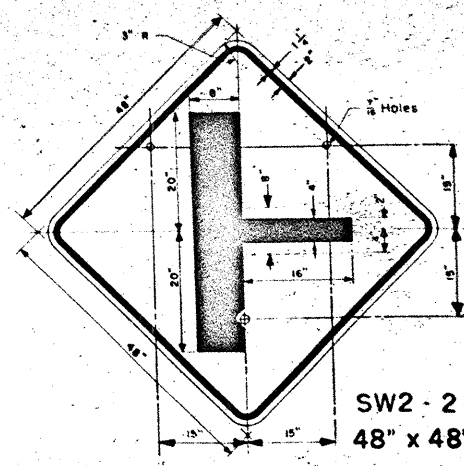
DRAWING DATE 2-76		STATE	FEDERAL	FEDERAL AID PROJECT	SHEET
DN--	REVISIONS	18	6	F592(27)	54
CL--	1-B1 Clearance Sign and Arrow Plaque Removed, Sign Numbers	COUNTY	CONTROL SECTION	JOB	HIGHWAY
CK--	"Keep Right" ed plaques deleted	DALLAS	261	2	33 US 67
					9



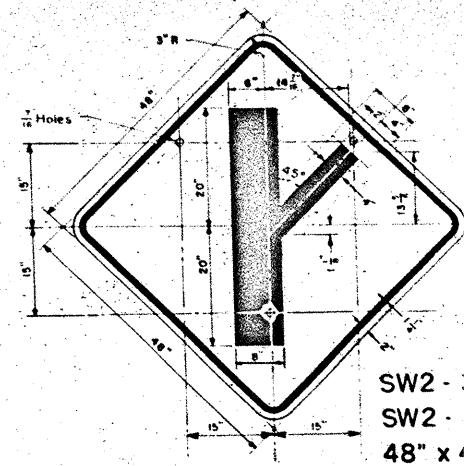
W1-6
48" x 24"



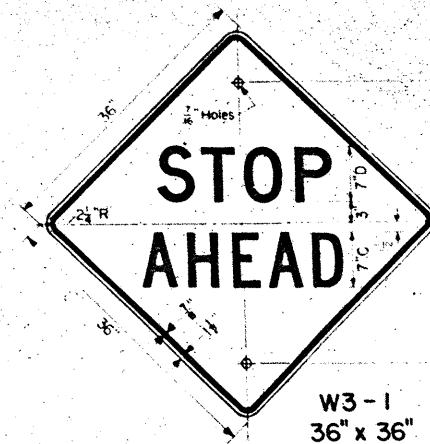
SW2-1
48" x 48"



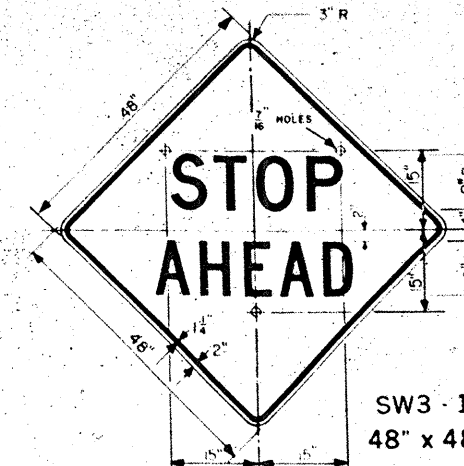
SW2-2
48" x 48"



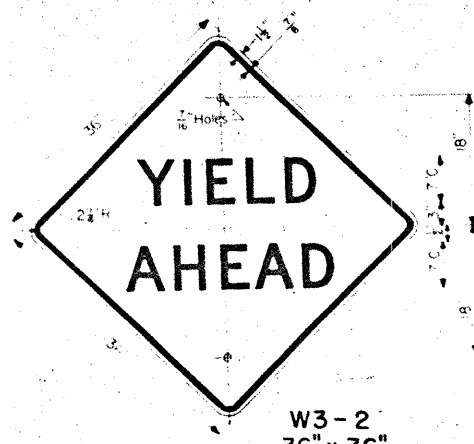
SW2-3R
SW2-3L
48" x 48"



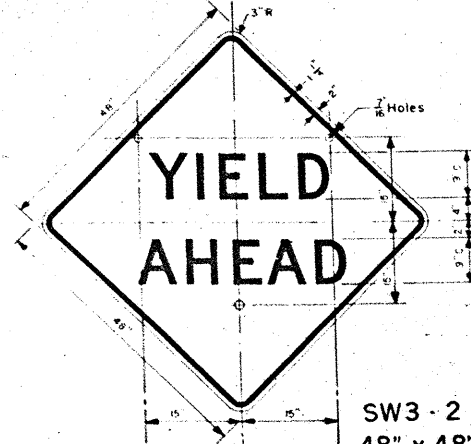
W3-1
36" x 36"



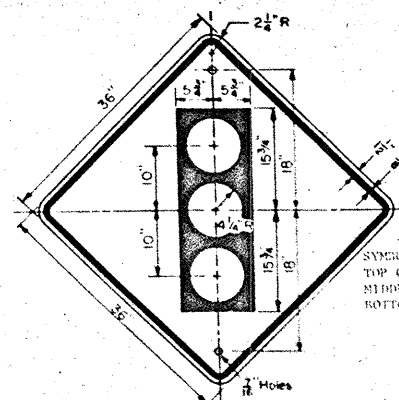
SW3-1
48" x 48"



W3-2
36" x 36"

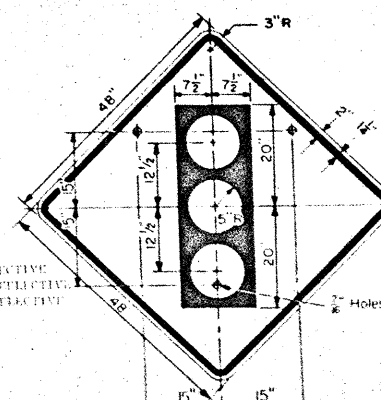


SW3-2
48" x 48"

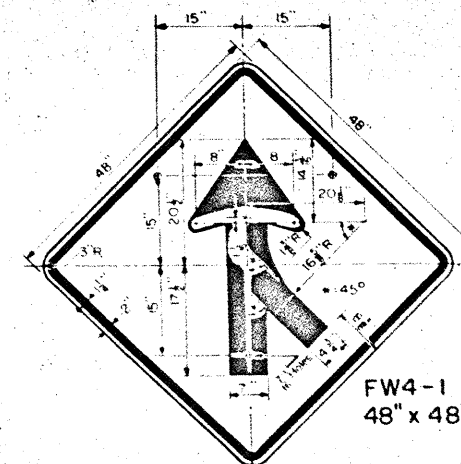


W3-3
36" x 36"

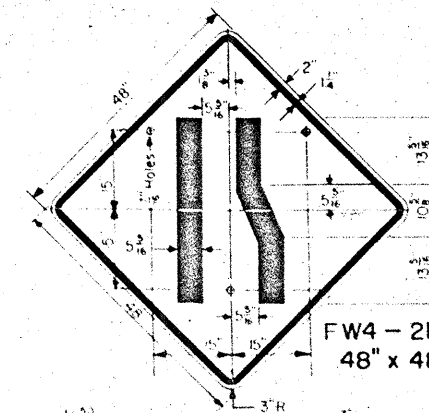
NOTE:
SYMBOL - BLACK
TOP CIRCLE - RED REFLECTIVE
MIDDLE CIRCLE - YELLOW REFLECTIVE
BOTTOM CIRCLE - GREEN REFLECTIVE



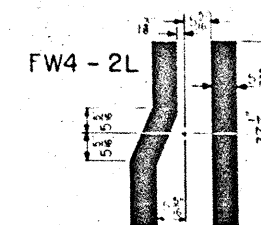
SW3-3
48" x 48"



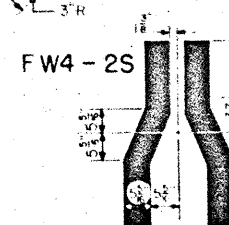
FW4-1
48" x 48"



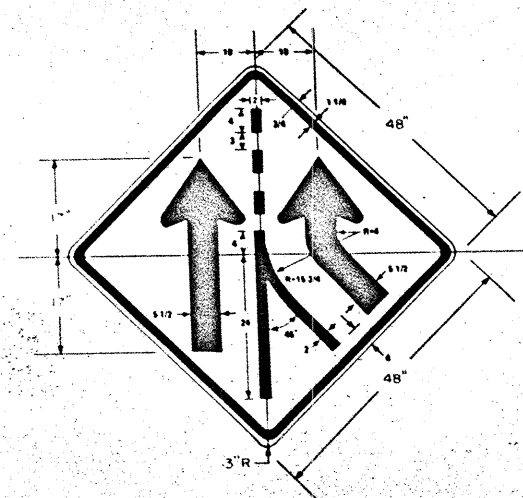
FW4-2R
48" x 48"



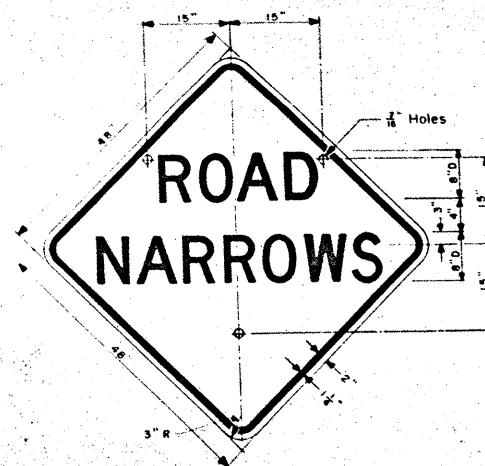
FW4-2L



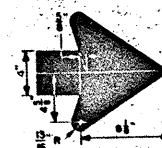
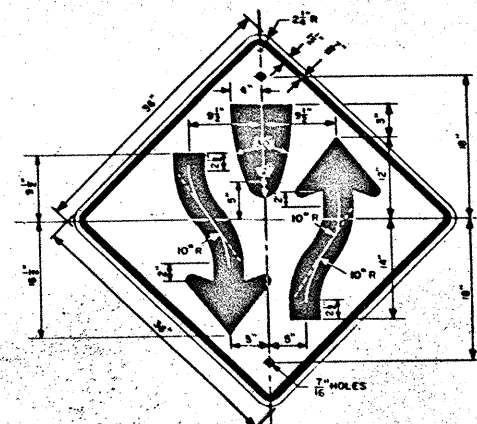
FW4-2S



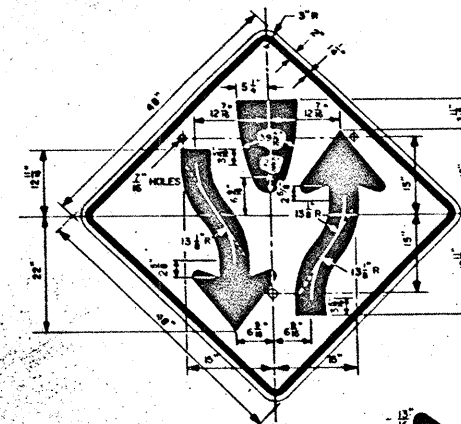
FW4-3
48" x 48"



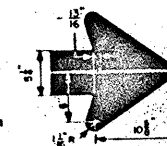
SW5-1
48" x 48"



W6-1
36" x 36"



SW6-1
48" x 48"



GENERAL NOTES:

THE ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS 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. LATERAL SPACING OF TEXT SHALL BE SUCH AS TO PROVIDE A BALANCED APPEARANCE.
THE SYMBOLS (EXCEPT WHERE NOTED), LETTERS, AND BORDERS SHALL BE BLACK, AND THE BACKGROUND SHALL BE INTERSTATE YELLOW REFLECTIVE CONFORMING WITH THE SPECIFICATIONS.
LETTERS, SYMBOLS, AND BORDERS SHALL BE APPLIED TO THE SURFACE OF THE SIGNS BY THE SCREEN PROCESS.
THE SIGN BLANKS SHALL BE ONE PIECE 5/8 INCH THICK PLYWOOD (TYPE A) CONFORMING WITH THE SPECIFICATIONS, UNLESS OTHERWISE NOTED ELSEWHERE IN THE PLANS.



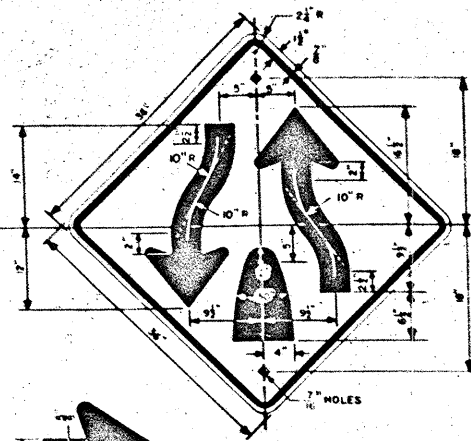
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

WARNING SIGNS

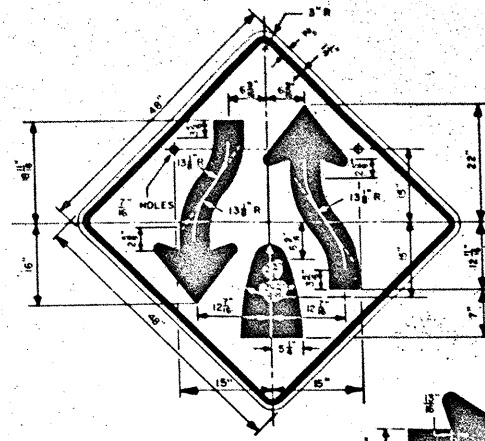
55

W(1)

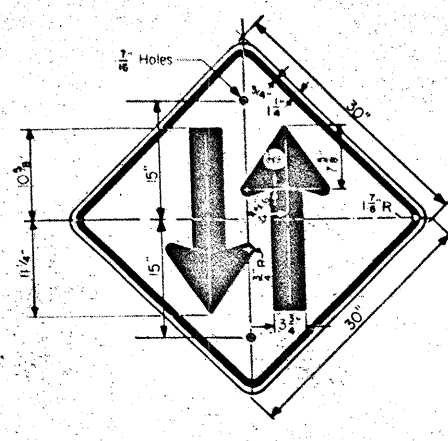
DRAWING DATE: 1-81		FEDERAL AID PROJECT		SHEET
STATE	FEDERAL	18	6	55
DISTRICT	REGION	F-592(27)		
COUNTY	CONTROL SECTION	JOB	HIGHWAY	
DALLAS	261	2	33	10



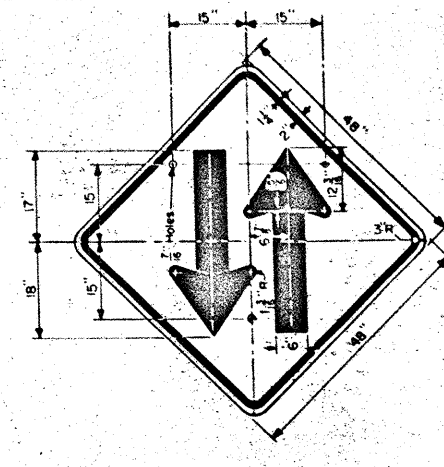
W6-2
36" x 36"



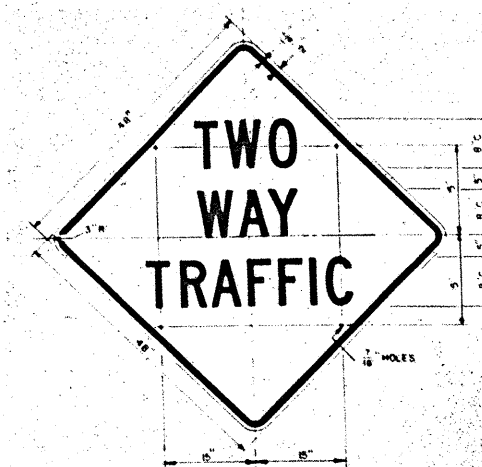
SW6-2
48" x 48"



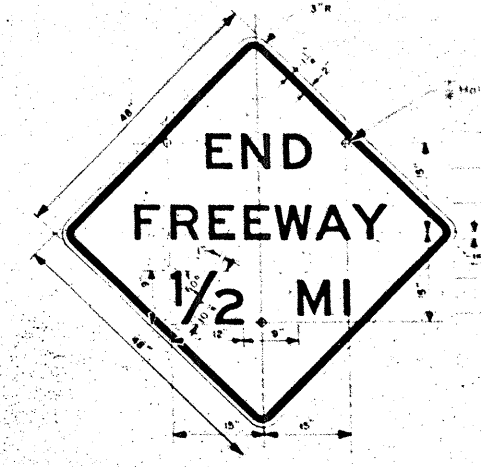
W6-3
30" x 30"



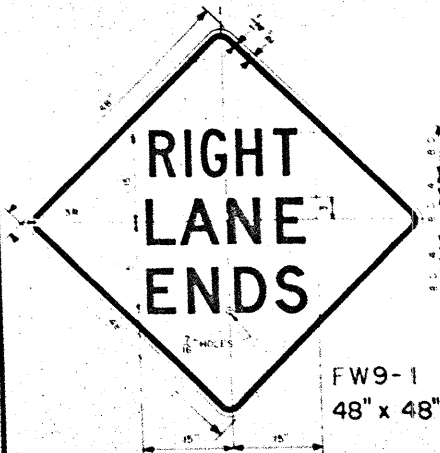
SW6-3
48" x 48"



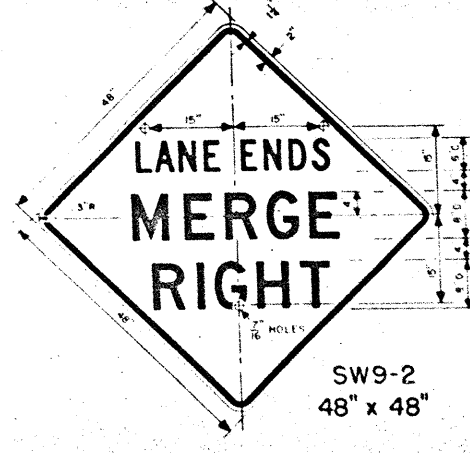
SW6-3a
48" x 48"



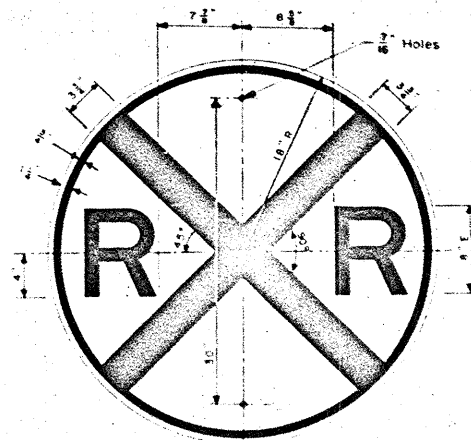
W6-4
48" x 48"



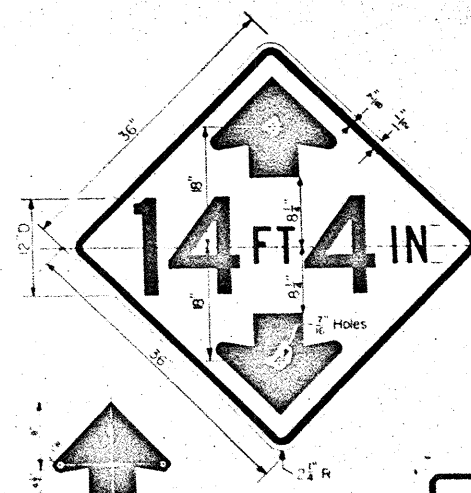
FW9-1
48" x 48"



SW9-2
48" x 48"



W10-1
36" Diameter



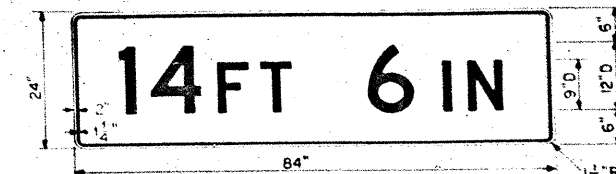
W12-2T
36" x 36"



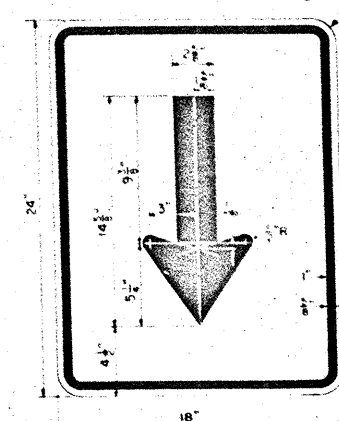
W12-2P
24" x 18"



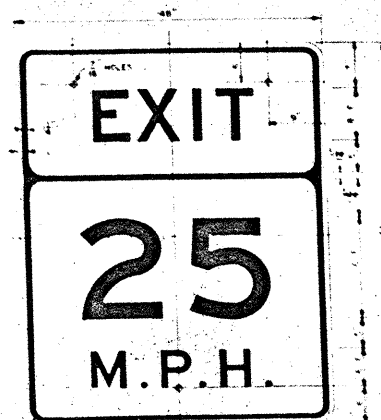
SW12-2T
48" x 48"



W12-3
84" x 24"



W12-3P
Arrow Plaque
18" x 24"



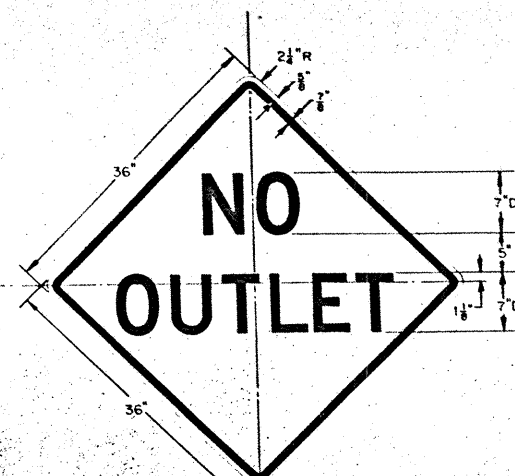
W13-2
48" x 60"

W13-3
48" x 60"

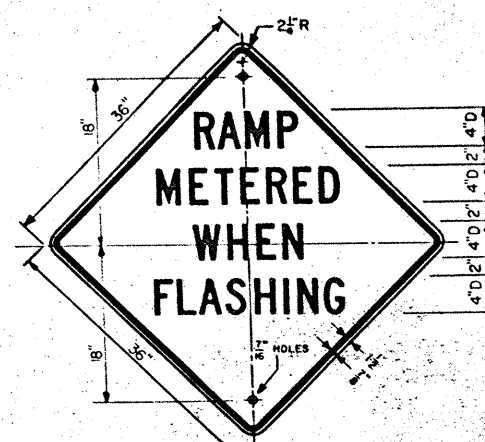
RAMP



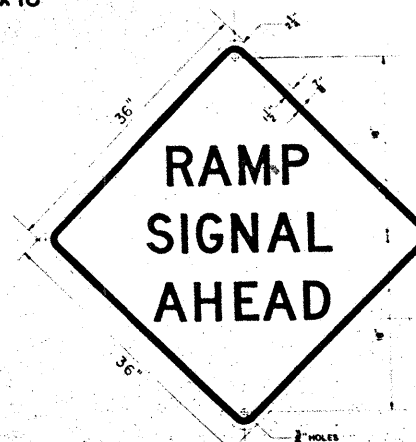
SW14-1
36" x 36"



SW14-2
36" x 36"



W14-3
36" x 36"



W19-4
36" x 36"

GENERAL NOTES:

THE ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS 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. LATERAL SPACING OF TEXT SHALL BE SUCH AS TO PROVIDE A BALANCED APPEARANCE.

THE LETTERS, SYMBOLS, AND BORDERS SHALL BE BLACK, AND THE BACKGROUND SHALL BE OF INTERSTATE YELLOW FLAT SURFACE REFLECTIVE SHEETING, CONFORMING WITH THE SPECIFICATIONS.

LETTERS, SYMBOLS, AND BORDERS SHALL BE APPLIED DIRECT TO THE SURFACE OF THE REFLECTIVE MATERIAL BY THE SCREEN PROCESS.

THE SIGN BLANKS SHALL BE ONE PIECE 5/8 INCH THICK PLYWOOD (TYPE A) CONFORMING WITH THE SPECIFICATIONS, UNLESS OTHERWISE NOTED ELSEWHERE IN THE PLANS.



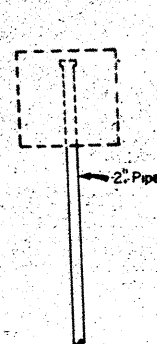
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

WARNING SIGNS

56

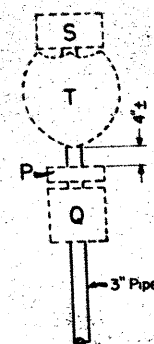
W(2)

DRAWING DATE 1-81		STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
DN--	REVISIONS	18	6	F593(37)	56
CK--			COUNTY	CONTROL SECTION	JOB HIGHWAY
DW--			DALLAS	261 2	33 US467
CK--					11



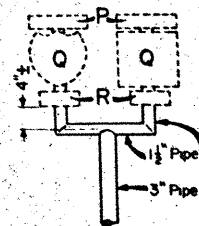
Type A

THIS TYPE PIPE MOUNT TO BE USED FOR ANY SIGN OR COMBINATION OF SIGNS WHEN THE SIGN AREA DOES NOT EXCEED 10 SQUARE FEET EXCEPT FR-1 AND W-6 SIGNS (SEE TYPE D-1). THE AREA OF THE REGULATORY OR WARNING SIGN SUPPLEMENTARY PLAQUES SHALL NOT BE USED IN DETERMINING THE ABOVE SIGN AREA.



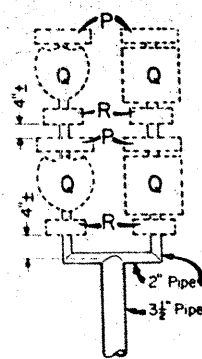
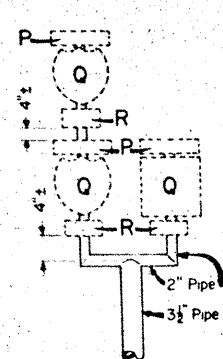
Type A-1

THIS TYPE PIPE MOUNT TO BE USED FOR A 36" OR 45" INTERSTATE ROUTE MARKER WITH A 24" OR 30" ROUTE MARKER ON MAIN LANES OR AS A SPECIFIED OPTIONAL SUBSTITUTE FOR TYPE B.



Type B

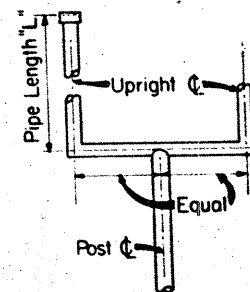
THIS TYPE PIPE MOUNT TO BE USED WHEN 2 ROUTE MARKERS OF THE SAME TYPE OR 2 ROUTE MARKERS OF DIFFERENT TYPES ARE REQUIRED.



Type C

THIS TYPE PIPE MOUNT TO BE USED:
1. WHEN 3 OR 4 ROUTE MARKERS ARE REQUIRED; OR
2. FOR A 36" OR 45" INTERSTATE ROUTE MARKER WITH 2 OR 3 24" AND/OR 30" ROUTE MARKERS.

P = 24" x 12" Cardinal Direction Marker
Q₁ = 24" x 24" Interstate, U.S. or State Route Marker
Q₂ = 30" x 24" Interstate or U.S. Route Marker
R = 21" x 15" Direction Arrow
S = 30" x 15" Cardinal Direction Marker
T₁ = 36" x 36" (2) digit Interstate Route Marker
T₂ = 45" x 36" (3) digit Interstate Route Marker



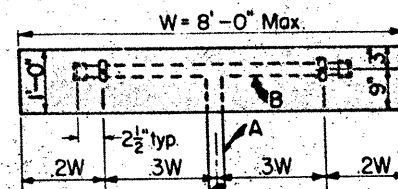
See table at right for values of "L"

Marker Combinations	"L"
2P + 2Q + 2R + 7"	9'-1"
P + 2Q + 2R + 7"	8'-1"
2Q + 2P + 7"	6'-7"
Q + R + 3"	3'-6"
S + T + 3"	4'-6"
P + Q + R + 3"	4'-6"
P + Q + S + T + 7"	7'-10"

DIMENSION "S"
DIMENSION "S" EQUALS THE DISTANCE FROM THE C OF UPRIGHT TO THE C OF CLEARANCE BETWEEN SIGN GROUP.

"S" = 1'-4 1/2" for Q₁
"S" = 1'-7 1/2" for Q₂

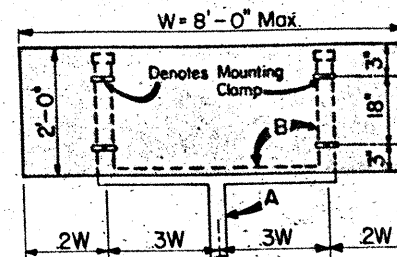
"S" = 1'-10 1/2" for T₁
"S" = 2'-3" for T₂



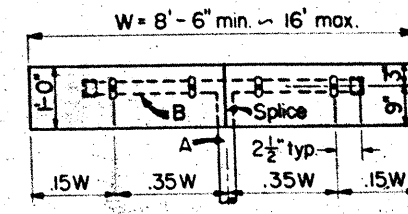
Type D-1 A = 2" φ B = 1 1/2" φ

NOTE:

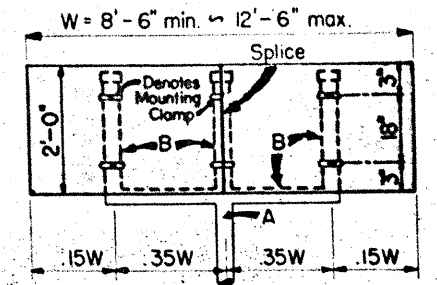
- FOR FR-1 SIGN, MOUNTING CLAMPS ARE SPACED 28" APART AND TOP OF IR-1 SIGN IS 8" ABOVE CENTERLINE OF PIPE B.
- FOR W-1-6 SIGN, MOUNTING CLAMPS ARE SPACED 30" APART.



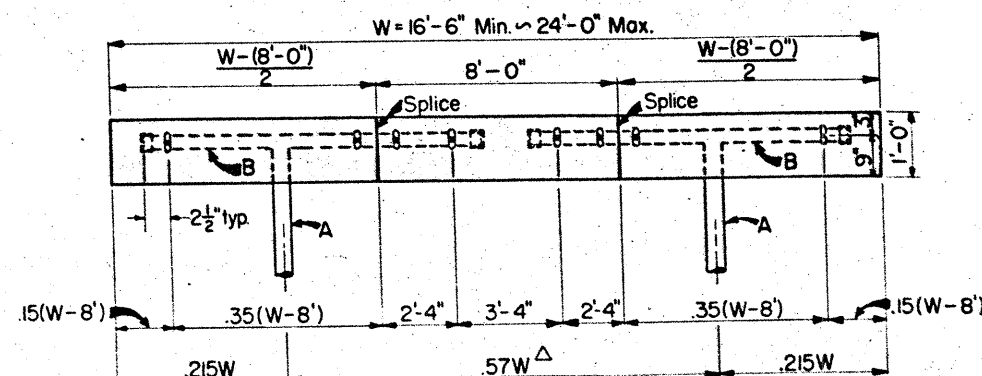
Type D-2 A = 2 1/2" φ B = 1 1/2" φ



Type D-3 A = 2 1/2" φ B = 1 1/2" φ

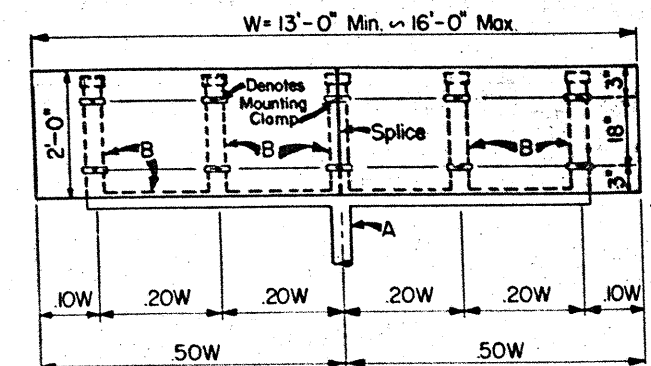


Type D-4 A = 3" φ B = 2" φ



Type D-5 A = 2 1/2" φ B = 1 1/2" φ

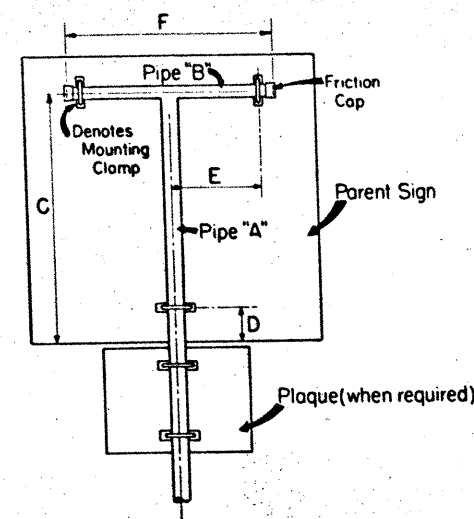
Δ POST SPACING MAY VARY ± 5% OF TOTAL SIGN WIDTH TO FIT FIELD CONDITIONS.



Type D-6 A = 3" φ B = 2" φ

NOTES: (FOR TYPES D-1 THROUGH D-6)

- SPICE PLATES REQUIRED AT SPICE POINTS.
- THE SIGN BLANKS SHALL BE 5/8" THICK PLYWOOD (TYPE A) CONFORMING WITH THE SPECIFICATIONS, UNLESS OTHERWISE NOTED ELSEWHERE IN THE PLANS.



Type F Mount

Type F Mount Dimensions

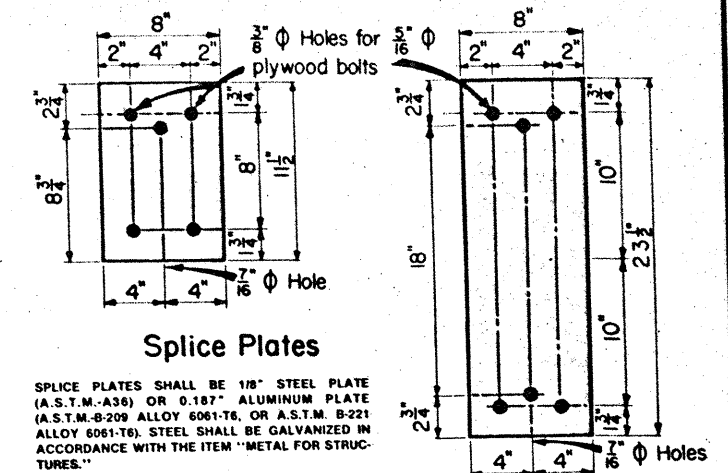
Type of Sign	Pipe "A"	Pipe "B"	C	D	E	F
Regulatory Signs						
SR-1-1	3" φ	2" φ	39"	9"	15"	35"
FR-1-2	3" φ	2" φ	43"	21"	11"	27"
36" x 48"	3" φ	2" φ	42"	6"	12"	29"
48" x 36"	3" φ	2" φ	30"	6"	15"	35"
48" x 48"	3" φ	2" φ	42"	6"	15"	35"
48" x 60"	3" φ	2" φ	54"	6"	15"	35"
Warning Signs						
48" x 48"	3" φ	2" φ	47 3/4"	17 3/4"	15"	35"
48" x 60"	3" φ	2" φ	54"	6"	15"	35"

INCLUDES PARENT SIGNS OF THIS SIZE WHICH HAVE SUPPLEMENTARY PLAQUE. WHEN RS-1T IS MOUNTED WITH SR-1, THE SR-1 SHALL BE MOUNTED AS A 48" x 48" REGULATORY SIGN WITH THE RS-1T MOUNTED AS A PLAQUE.

FR-2-2, FR-2-3, AND FR-2-4 ARE TO BE MOUNTED ONLY IN COMBINATION WITH FR-2-1 ON A TYPE G MOUNT; ALSO FR-2-2A IS TO BE MOUNTED ON A TYPE G MOUNT (SEE STANDARD SHEET SMD(2)). ALSO WHEN SR-1A IS MOUNTED WITH AN SR-1, A TYPE G MOUNT SHALL BE USED.

GENERAL NOTES FOR SIGN SUPPORT TYPES A, B, C, D & F.

- PIPE COLLAR COUPLING SHALL BE USED FOR ALL SIGNS SUPPORTED ON 2" AND 2 1/2" PIPE POSTS.
- TRIANGULAR SLIP BASE SHALL BE USED FOR SIGNS SUPPORTED ON 3" AND 3 1/2" PIPE POSTS.
- MOUNTING CLAMP, VERTICAL CLEARANCE AND LATERAL CLEARANCE DETAILS ARE SHOWN ON SHEET SMD(1-2).
- WELDED PIPE MOUNT, FRICTION CAP, PIPE COLLAR COUPLING, TRIANGULAR SLIP BASE AND FOUNDATION DETAILS ARE SHOWN ON SHEET SMD(1-3).



Splice Plates

SPICE PLATES SHALL BE 1/8" STEEL PLATE (A.S.T.M.-A36) OR 0.187" ALUMINUM PLATE (A.S.T.M.-B-209 ALLOY 6061-T6, OR A.S.T.M. B-221 ALLOY 6061-T6). STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH THE ITEM "METAL FOR STRUCTURES."

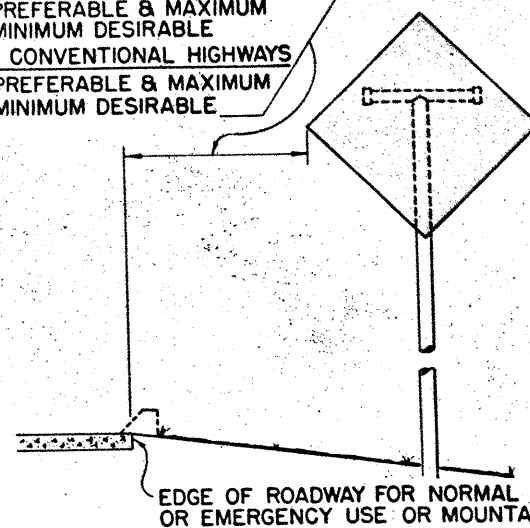
STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

PIPE MOUNTING DETAILS FOR SMALL ROADSIDE SIGNS

SMD(1-1)

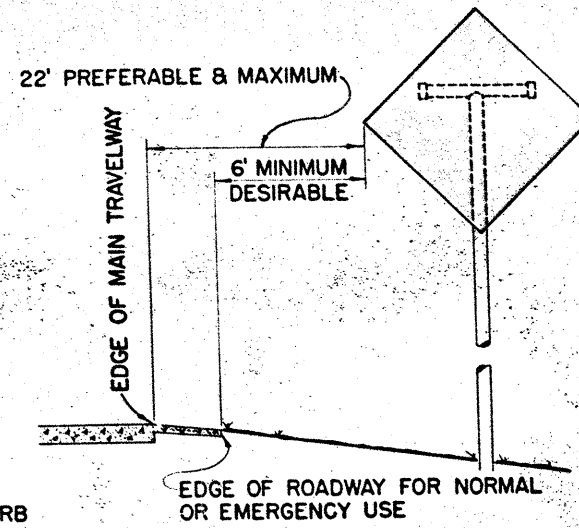
DRAWING DATE	7-80	STATE DISTRICT	18	FEDERAL REGION	6	FEDERAL AID PROJECT	57	SHEET	57
REVISIONS	7-80 D-1 NOTE	1-81 SIGN NUMBERS							
COUNTY	DALLAS	CONTROL SECTION	261	JOB	1567				

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



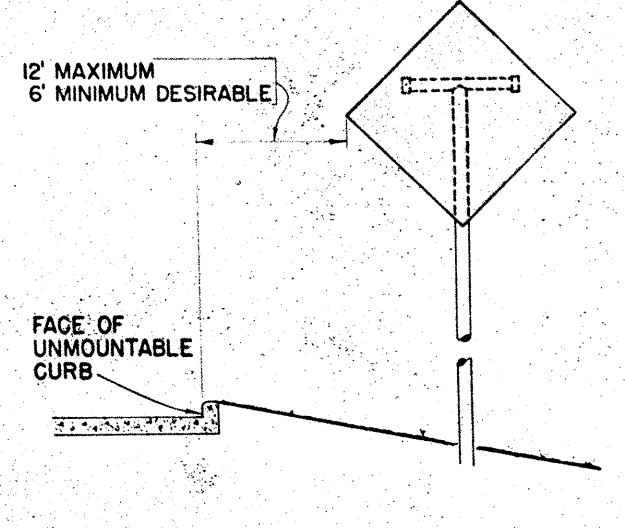
ROADWAY WITHOUT SHOULDER OR
ROADWAY WITH MOUNTABLE CURB

22' PREFERABLE & MAXIMUM



ROADWAY WITH SHOULDER

12' MAXIMUM
6' MINIMUM DESIRABLE



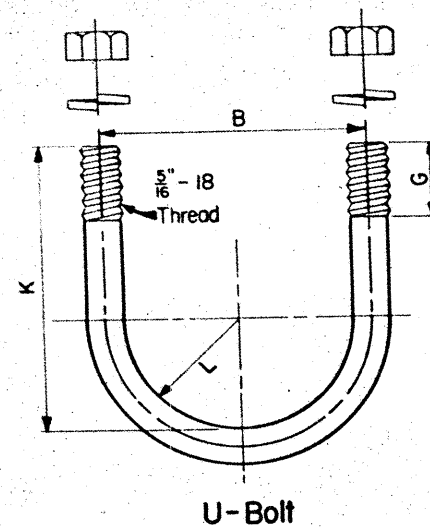
ROADWAY WITH UNMOUNTABLE CURB

VERTICAL CLEARANCE OF SMALL SIGNS ALL TYPES OF ROADWAYS

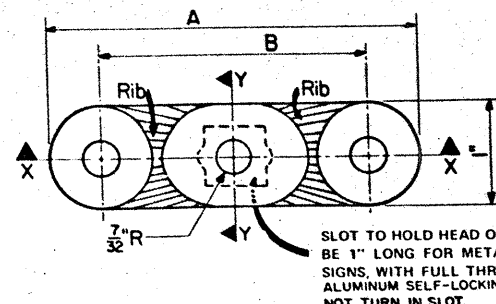
LATERAL CLEARANCE OF SMALL SIGNS ALL TYPES OF ROADWAYS

- 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 VIEWING BY TRAFFIC.

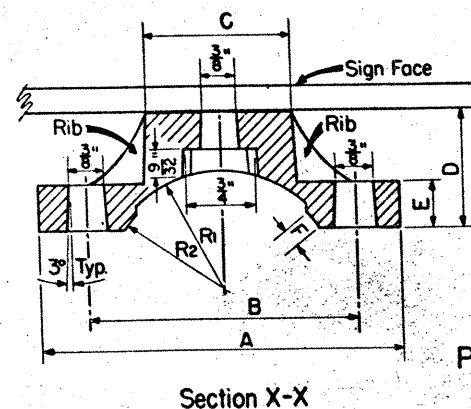
3. WHERE NECESSARY, AN ALLOWABLE MINIMUM CLEARANCE OF TWO FEET MAY BE USED IN RURAL AND URBAN LOCATIONS. IN URBAN LOCATIONS, AN ALLOWABLE MINIMUM CLEARANCE OF ONE FOOT MAY BE USED BEHIND UNMOUNTABLE CURBS.
4. WHERE A SIGN IS TO BE LOCATED BEHIND GUARDRAIL, THE ALLOWABLE MINIMUM CLEARANCE MAY BE USED, 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.



SLOT TO HOLD HEAD OF 5/16" SQ. HEAD BOLT. THE BOLT SHALL BE 1" LONG FOR METAL SIGNS AND 1 1/4" 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.

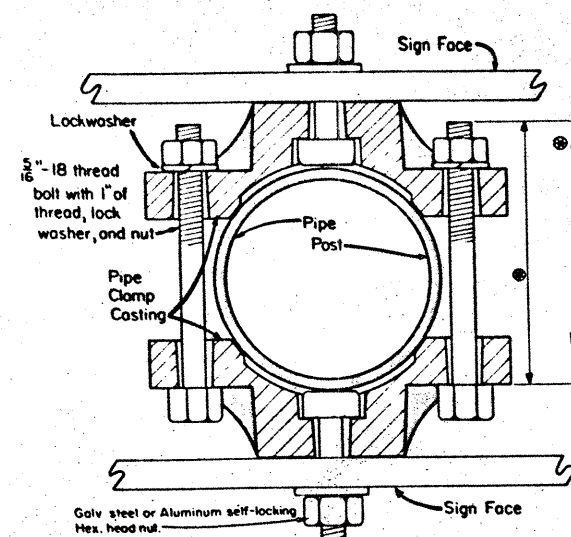


Section X-X

Pipe Clamp Casting

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 THE ITEM "METAL FOR STRUCTURES".



Typical Detail of
Back To Back Mounting Of Signs

Approx. Bolt Length ~ Pipe Size

2 1/8"	1 1/4"
2 3/8"	1 1/2"
2 5/8"	2"
2 7/8"	2 1/2"
3 1/8"	3"

Bolt Length to be adjusted to fit field conditions



STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

PIPE MOUNTING DETAILS FOR SMALL ROADSIDE SIGNS

SMD(I-2)

DRAWING DATE: 4-78	STATE DISTRICT: 18	FEDERAL REGION: 6	FEDERAL AID PROJECT: F592(27)	SHEET: 58
DN: 8-78 Hex Nut	REVISIONS:	COUNTY: DALLAS	CONTROL SECTION: 261	JOB: 2
CK: 13				33
				NSGT

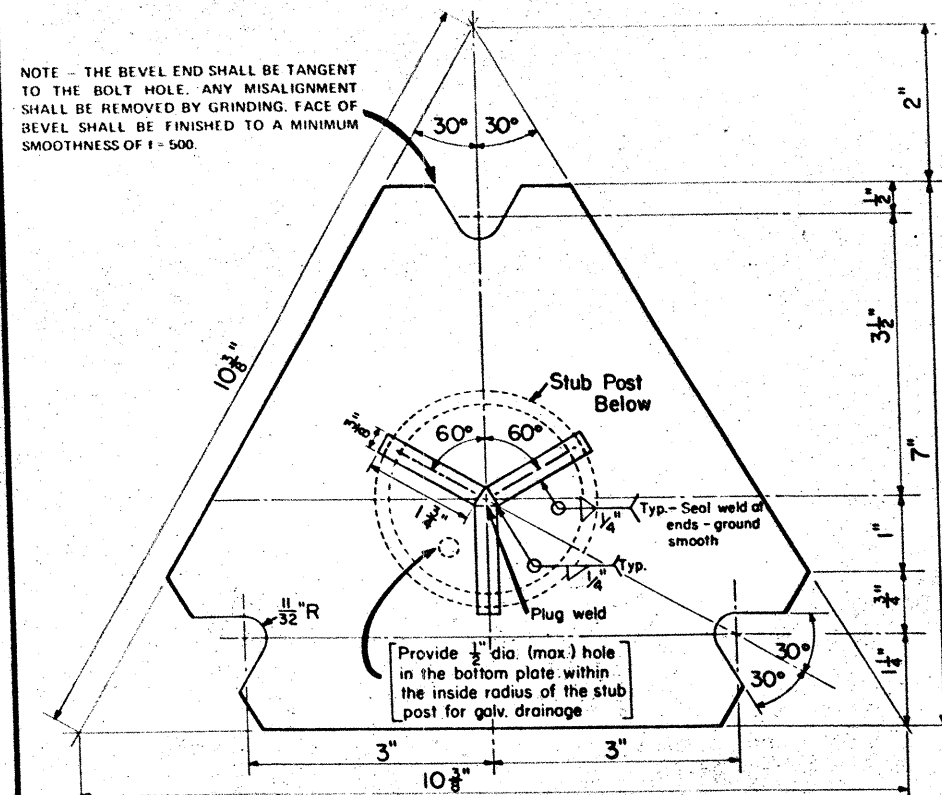
MOUNTING CLAMP DETAILS

Dimensions for Mounting Clamp

Standard Pipe Size	A	B	C	D	E	F	G	K	L	R1	R2
1 1/4"	3 5/64	2 5/64	3/4	15/16	7/16	3/16	5/8	2 9/64	27/32	57/64	53/64
1 1/2"	3 9/32	2 9/32	1"	1 1/16	7/16	3/16	5/8	2 7/16	63/64	31/32	15/16
2"	3 3/4	2 3/4	1 1/2	1 1/8	1/2	3/16	1"	2 11/16	1 1/2	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 5/8	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	2 5/8	1 3/8	1 3/4

Sign Post & Stub Post Elevation

TRIANGULAR SLIP BASE

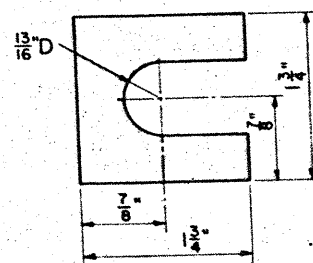


View A-A

- TRIANGULAR SLIP BASE NOTES:**
- ① THE TOP PLATE OF THE TRIANGULAR SLIP BASE SHALL HAVE THE SAME EXTERIOR DIMENSIONS AS THE BOTTOM PLATE. THE LIFTING RAMPERS SHALL BE WELDED TO THE BOTTOM PLATE ONLY. A HOLE EQUAL TO THE INSIDE DIAMETER OF THE SIGN POST SHALL BE CUT THROUGH THE CENTER OF THE TOP PLATE WITH THE HOLE EDGE BEVELED AS DETAIL.
 - ② PLATES FOR THE BASE CONNECTION AND LIFTING RAMPS SHALL CONFORM WITH THE REQUIREMENTS OF A.S.T.M.-A36, A441 OR A572 GRADE 50.
 - ③ ALL STRUCTURAL STEEL, BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AS PER THE ITEM "METAL FOR STRUCTURES". EXCEPT AS NOTED, THE ENTIRE SUPPORT SHALL BE GALVANIZED FROM THE TOP DOWN TO A DEPTH OF 6" MINIMUM INTO THE FOUNDATION.
 - ④ ALL HIGH STRENGTH BOLTS 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 HIGH STRENGTH NUTS SHALL BE OF SUCH QUALITY AS TO BE EQUAL TO OR BETTER THAN THE BOLT.
 - ⑤ PAYMENT FOR THE TRIANGULAR SLIP BASE WILL BE INCLUDED IN PRICE BID PER LINEAR FOOT OF PIPE.

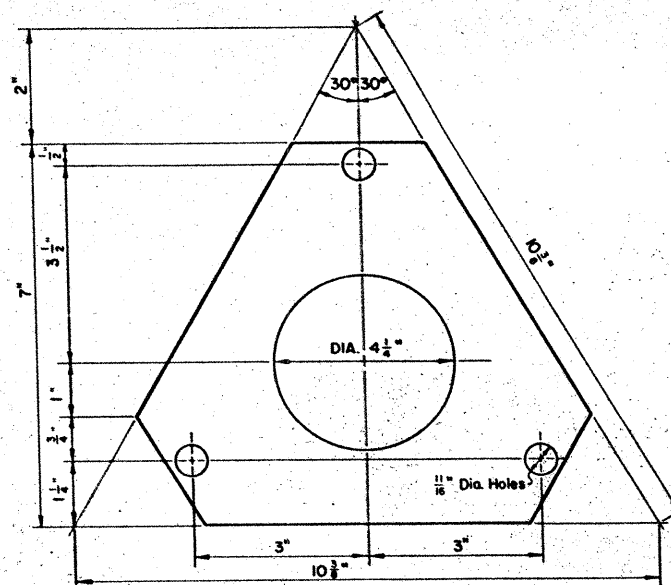
BOLTING PROCEDURE FOR ASSEMBLY OF BASE CONNECTION:

1. ASSEMBLE POST TO STUB WITH BOLTS AND WITH ONE FLAT WASHER ON EACH BOLT BETWEEN PLATES AS SHOWN.
2. SHIM AS REQUIRED TO PLUMB POST.
3. THEN ADJUST BOLTS TO 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 THE PRESCRIBED TORQUE OF 450 INCH-POUNDS. DO NOT OVERTIGHTEN.
4. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.



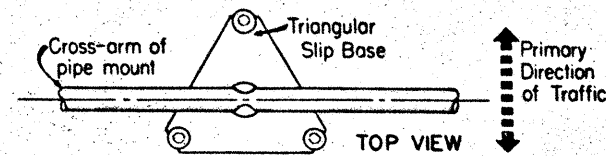
SHIM DETAIL

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



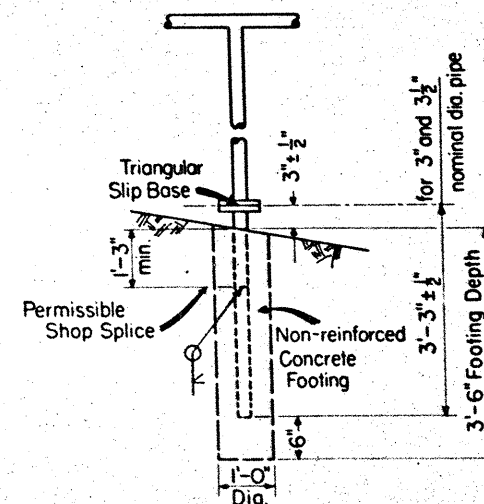
Bolt Keeper Plate Detail

Bolt Keeper Plate shall be 30 ga. galvanized sheet steel.



The cross-arm of the pipe mount should be parallel to one side of the triangular slip base, and approximately perpendicular to the direction of traffic

ORIENTATION OF TRIANGULAR SLIP BASE



Triangular Slip Base Foundation Details

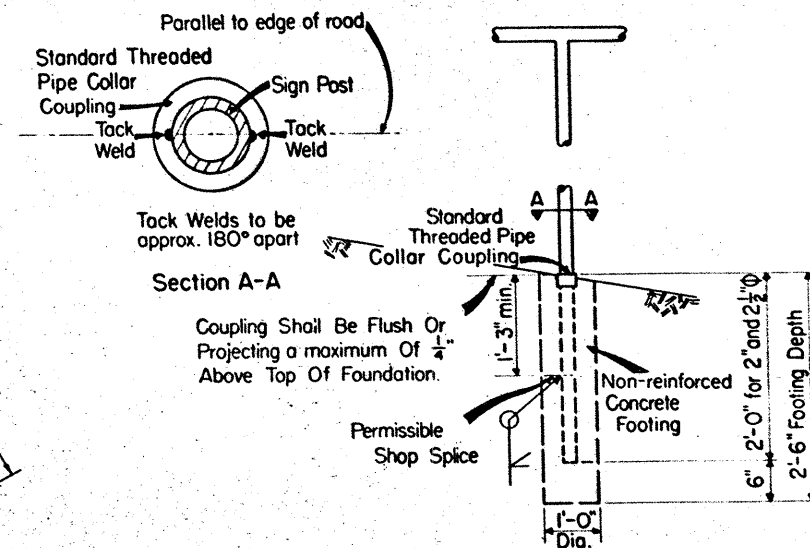
TRIANGULAR SLIP BASE SHALL BE USED FOR SIGNS SUPPORTED ON 3" DIAMETER AND LARGER PIPE POSTS.

GENERAL NOTES:

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

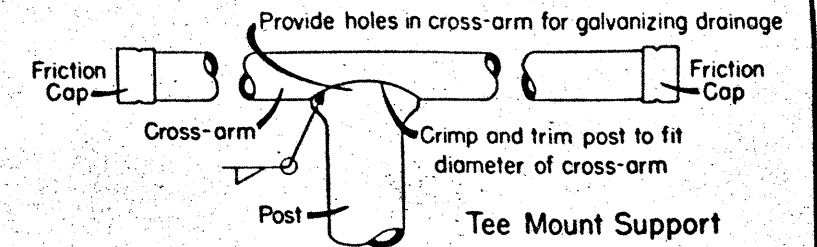
MATERIAL AND FABRICATION SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS.

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

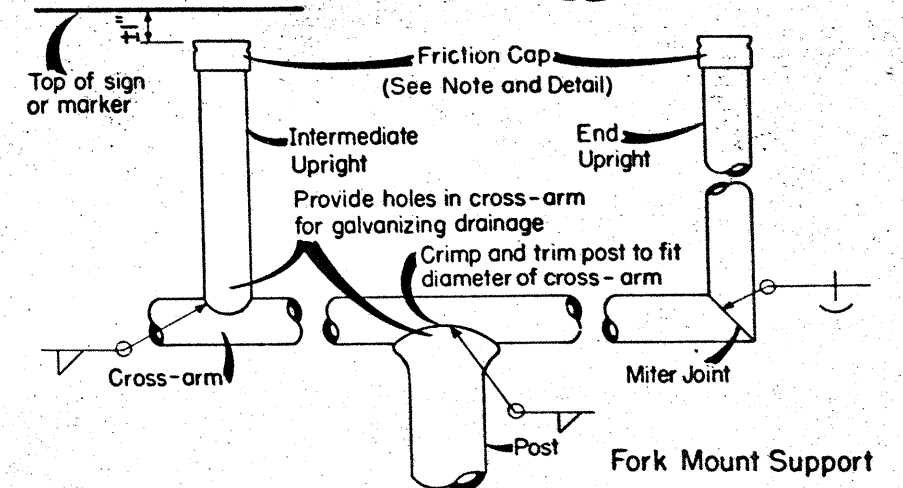


BREAKAWAY PIPE COLLAR COUPLING

PIPE COLLAR COUPLING SHALL BE USED FOR ALL SIGNS SUPPORTED ON 2" AND 2 1/2" DIAMETER PIPE POSTS.



Tee Mount Support

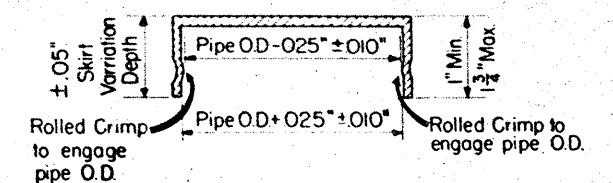


Fork Mount Support

WELDED PIPE MOUNT DETAILS

NOTE: THE CONTRACTOR AT HIS OPTION MAY FURNISH STANDARD WEIGHT PIPE CONFORMING TO ASTM SPECIFICATION A 53B, A 501 OR ANY OTHER STANDARD WEIGHT STEEL PIPE, EITHER OF ELECTRIC RESISTANCE WELDED OR SEAMLESS TYPE, WITH A MINIMUM YIELD STRENGTH OF 35,000 PSI AND A MINIMUM ELONGATION OF 15 PERCENT IN 2 INCHES, AND SHALL HAVE OUTSIDE DIAMETERS AND WALL THICKNESSES WHICH ARE EQUIVALENT TO OR BETTER THAN THOSE SPECIFIED HEREON.

ALL PIPES TO BE WELDED SHALL BE OF WELDABLE QUALITY




Friction Cap Details

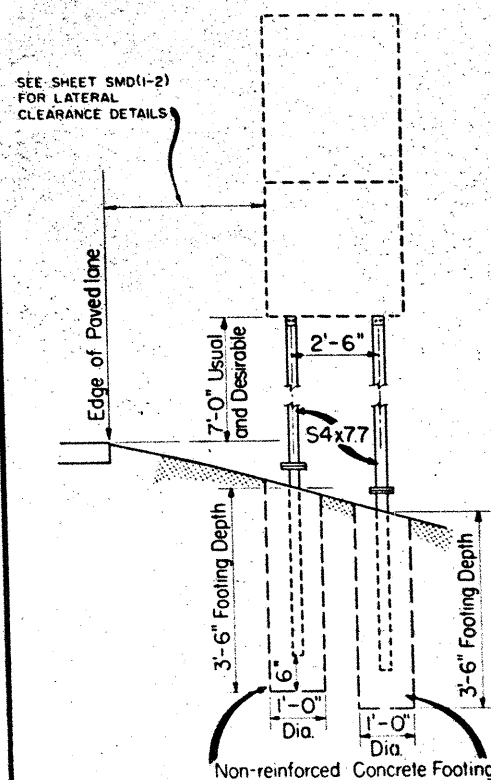
NOTES:

NOTES:
FRICTION CAPS MAY BE MANUFACTURED FROM EITHER HOT ROLLED OR COLD ROLLED STEEL SHEETS. FOR ALL PIPE SIZES THE MINIMUM SHEET METAL THICKNESS SHALL BE 24 GAUGE.

THE RIM EDGES SHALL BE REASONABLY STRAIGHT AND SMOOTH. CAPS SHALL BE SIZED AND FORMED IN SUCH A MANNER AS TO PRODUCE A DRIVE ON FRICTION FIT AND HAVE NO TENDENCY TO ROCK WHEN SEATED ON THE PIPE. THE DEPTH SHALL BE SUFFICIENT TO GIVE POSITIVE PROTECTION AGAINST ENTRANCE OF RAINWATER. THEY SHALL BE FREE OF SHARP CREASES OR INDENTATIONS AND SHOW NO EVIDENCE OF METAL FRACTURE.

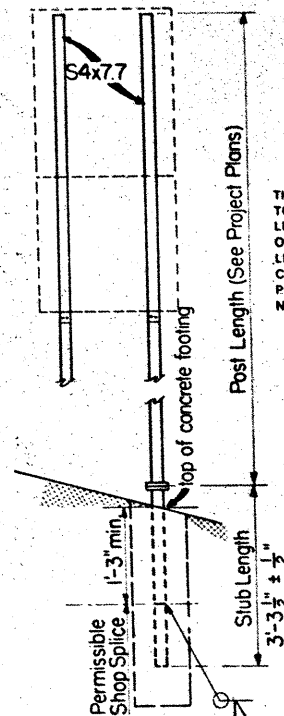
CAPS SHALL HAVE AN ELECTRODEPOSITED COATING OF ZINC IN ACCORDANCE WITH THE REQUIREMENTS OF A.S.T.M. SPECIFICATION A164, TYPE GS.

		STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION		59	
PIPE MOUNTING DETAILS FOR SMALL ROADSIDE SIGNS					
SMD(I-3)					
DRAWING DATE 4-78		STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
1-B1 LIFTING RAMP		18	6	F 592(27)	59
REVISIONS		COUNTY		CONTROL SECTION	JOB HIGHWAY
DN-1		DALLAS		261	2 53 US67
CK-1					14

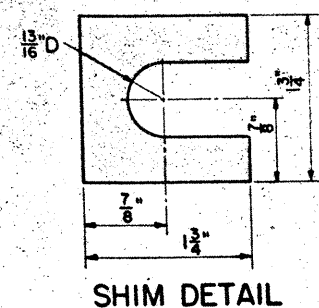


THIS TYPE BEAM MOUNT TO BE USED:

- (1) FOR SPEED LIMIT SIGN FR2-1 WHEN USED IN COMBINATION WITH FR2-2, FR2-3, AND FR2-4, OR FOR FR2-2A.
- (2) FOR DO NOT ENTER SIGN SR5-1 WHEN USED WITH WRONG WAY SIGN SR5-9. SR5-9 IS MOUNTED ABOVE SR5-1.



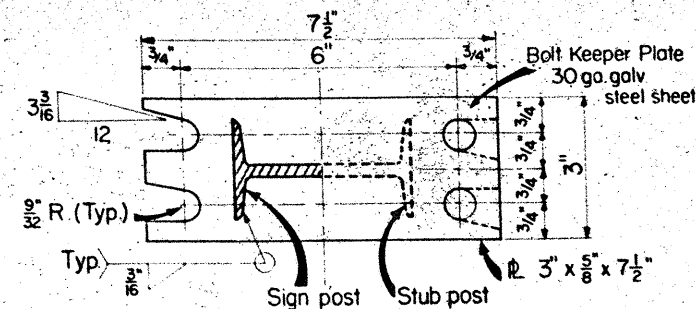
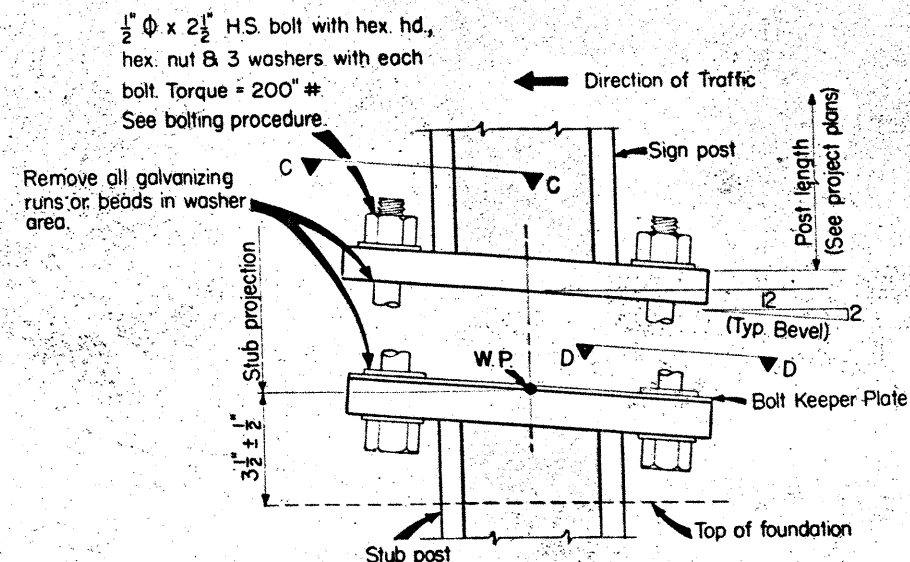
THE WEIGHT OF ONE 54x7.7 POST IS EQUAL TO 112.2 LBS. PLUS 7.7 LBS./FT X (POST LENGTH IN FEET MINUS 10 FT.) THE WEIGHT OF 112.2 LBS. INCLUDES 10' OF POST LENGTH, POST FOUNDATION STUB, RELATED CONNECTION PLATES, FRICTION FUSE PLATE, AND ALL HIGH STRENGTH BOLTS, NUTS, AND WASHERS.



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

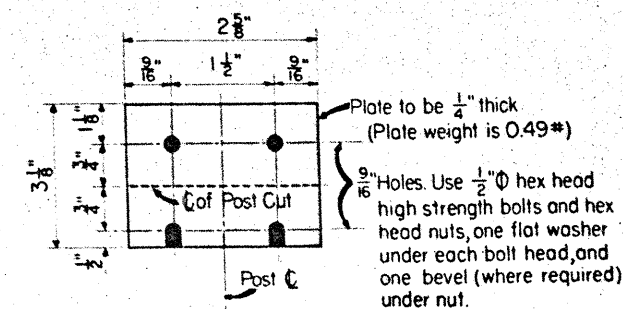
BOLTING PROCEDURE FOR ASSEMBLY OF BASE CONNECTION:

1. ASSEMBLE POST TO STUB WITH BOLTS AND WITH ONE FLAT WASHER ON EACH BOLT END AT PLATE.
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 PLATE WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.



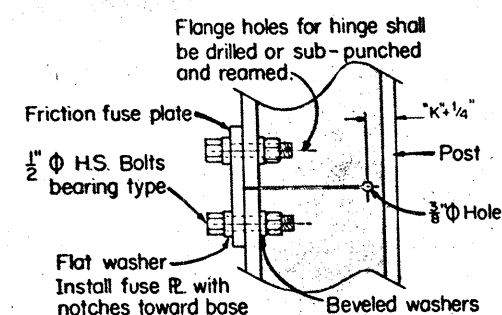
Section C-C Section D-D

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

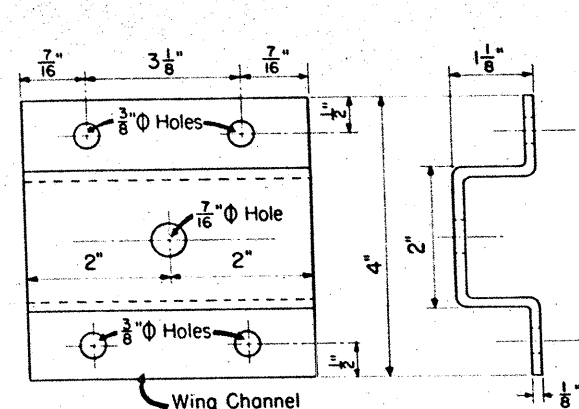


Friction Fuse Plate Detail

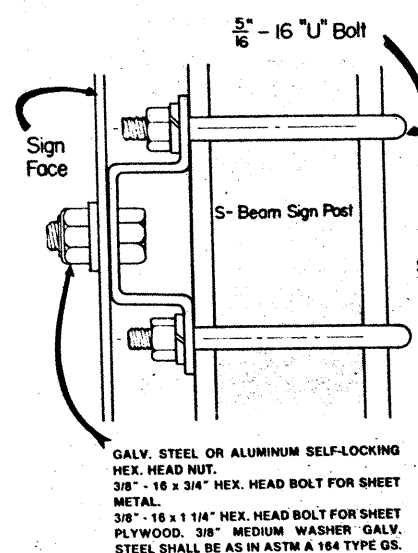
NOTCHED STEEL FRICTION FUSE PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM-A441. (ASTM-A572 GRADE 50 OR ASTM-A588 MAY BE SUBSTITUTED FOR A441 AT THE OPTION OF THE FABRICATOR). ALL HOLES SHALL BE DRILLED. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS, HOWEVER, FLAME CUTTING WILL BE PERMITTED PROVIDED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



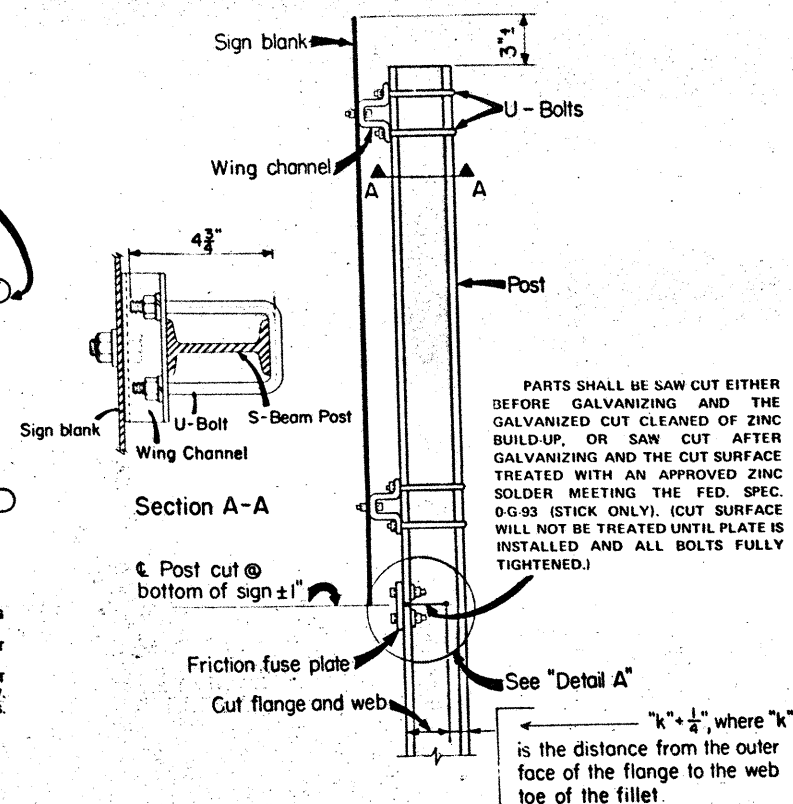
FABRICATOR NOTE: IMPORTANT—ALL FRICTION FUSE BOLTS SHALL BE TIGHTENED IN THE SHOP FOLLOWING A METHOD APPROVED BY THE ENGINEER. TIGHTENING SHALL BE TO SUCH A DEGREE AS TO OBTAIN 12,050 LBS. OF MINIMUM RESIDUAL TENSION IN EACH ½" DIAMETER BOLT.



WING CHANNEL, 4" WIDTH x 1 1/8" DEPTH x 1/8" THICKNESS,
SHALL BE ALUMINUM (ASTM B 221 6061-T6 OR B308 6061-T6),
GALV. STEEL (ASTM A 36) OR STAINLESS STEEL (ASTM A-167 TYPE
304 NO. 2B FINISH).



**GALV. STEEL OR ALUMINUM SELF-LOCKING
HEX. HEAD NUT.
3/8" - 16 x 3/4" HEX. HEAD BOLT FOR SHEET
METAL.
3/8" - 16 x 1 1/4" HEX. HEAD BOLT FOR SHEET
PLYWOOD. 3/8" MEDIUM WASHER GALV.
STEEL SHALL BE AS IN ASTM A 164 TYPE GS.**



TYPICAL SIDE VIEW OF TYPE G MOUNT

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 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 THE ITEM "METAL FOR STRUCTURES". 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).

ALL POSTS SHALL BE GALVANIZED FROM THE TOP DOWN TO A DEPTH OF 6" MINIMUM INTO THE FOUNDATION.

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



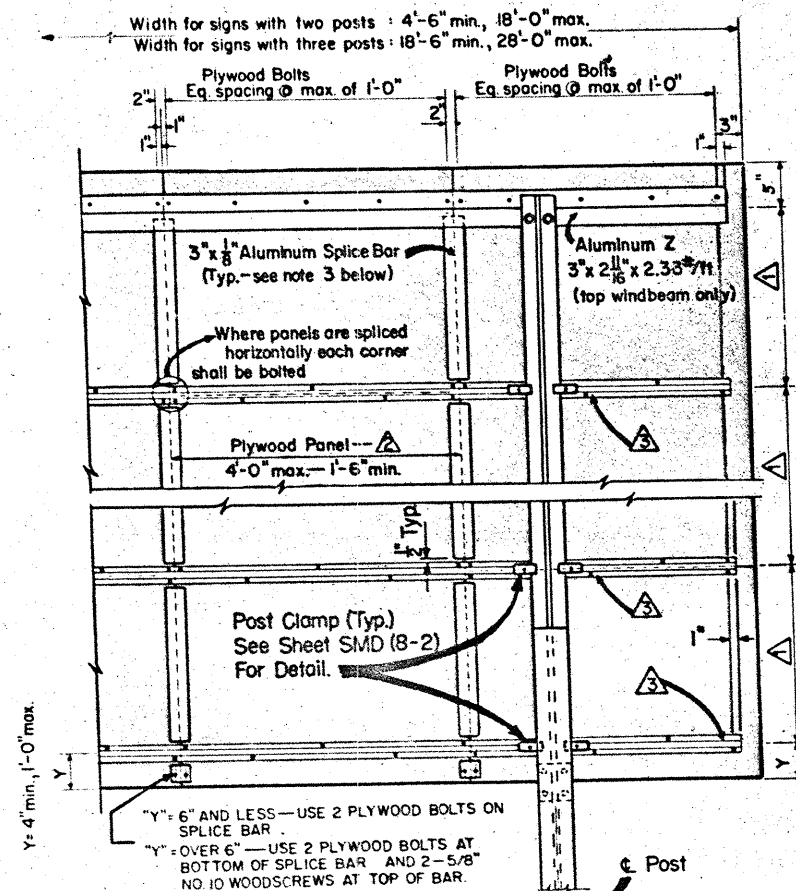
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION
STRUCTURAL

MOUNTING DETAILS *60*

FOR LARGE REGULATORY SIGNS

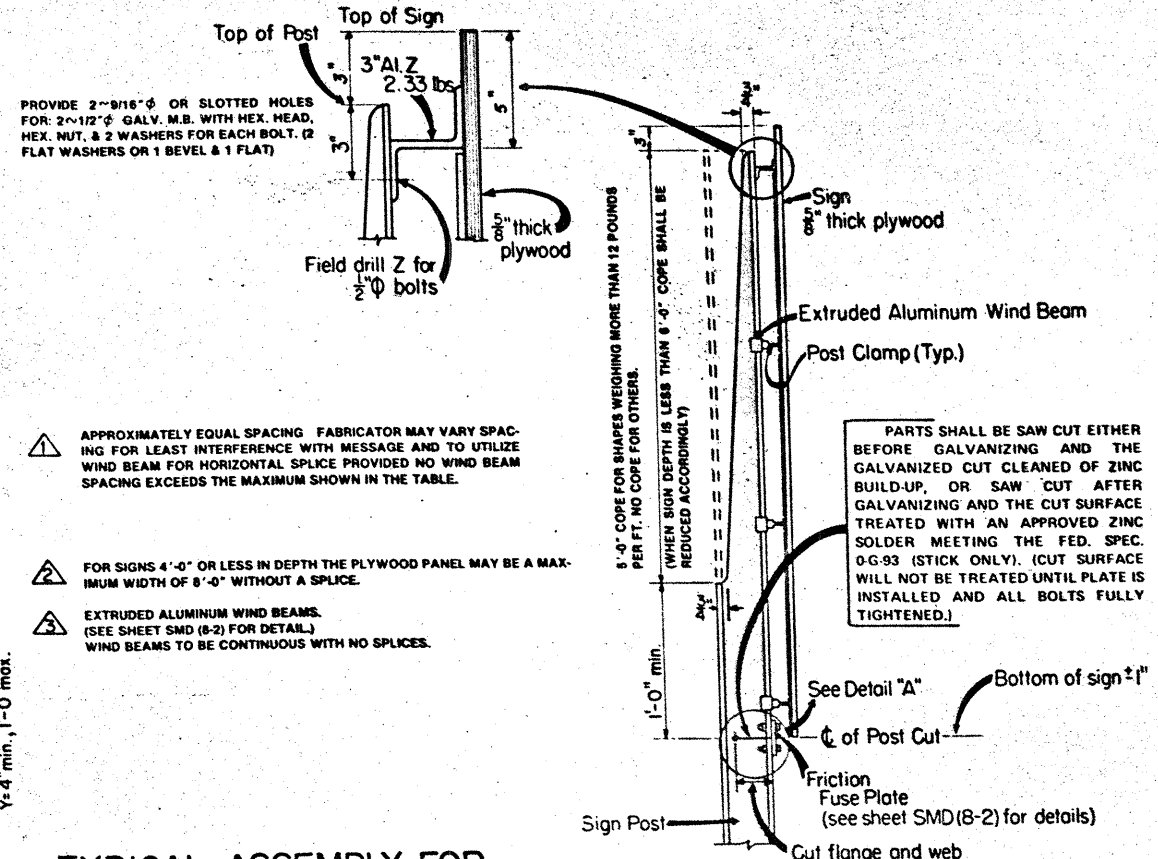
SMD(2)

DRAWING DATE: 1-81				STATE DISTRICT		FEDERAL REGION		FEDERAL AID PROJECT		SHEET NO.	
REVISONS				18		6		F592(37)		6	
1-81 Sign Numbers, Notes				COUNTY				CONTROL SECTION		JOB HIGHWAY	
DN-1				DALLAS				261		2 33	
CR-1											
DN-2											
CR-2											

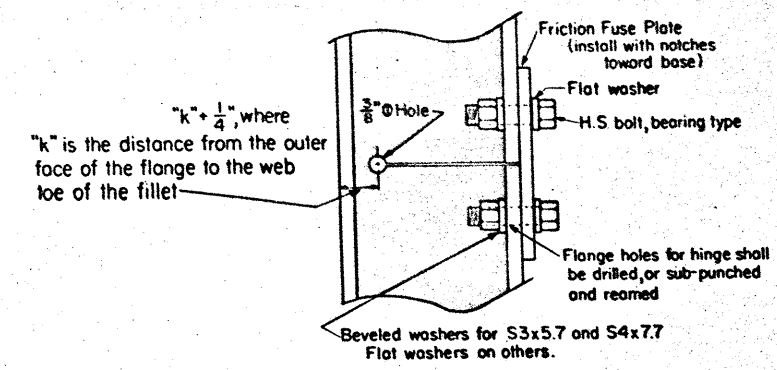


REAR VIEW

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 FIRMS 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 THE ITEM "METAL FOR STRUCTURES".
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.



TYPICAL ASSEMBLY FOR GROUND MOUNTED GUIDE SIGNS

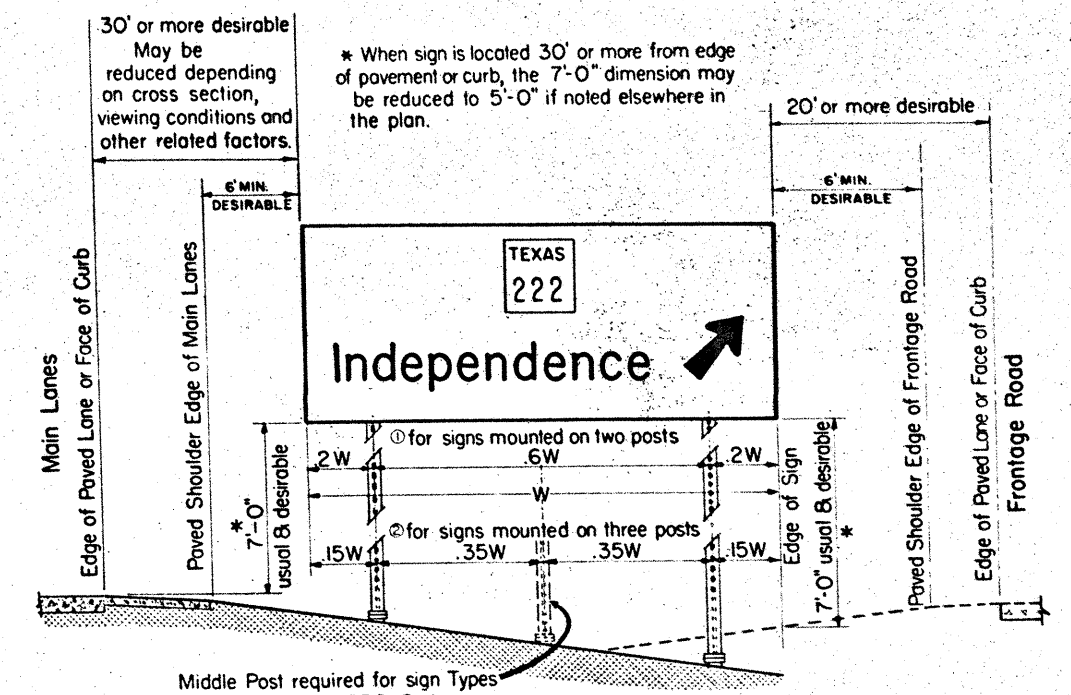


DETAIL "A" - HINGE

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 THE FOLLOWING MINIMUM RESIDUAL TENSION IN EACH BOLT:

BOLT SIZE	MIN. RESIDUAL BOLT TENSION
1 1/2" Ø	12050 LBS.
5/8" Ø	19200 LBS.
3/4" Ø	28400 LBS.

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



TYPICAL SIGN INSTALLATION AND LOCATION


LATERAL CLEARANCE NOTES:
LATERAL CLEARANCES OF SIGNS MOUNTED ON MEDIAN SIDE OF MAIN LANES ARE THE SAME AS SHOWN ABOVE WHERE SPACE WILL PERMIT.


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% OF TOTAL SIGN WIDTH TO FIT FIELD CONDITIONS.

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.

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 		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 		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 24'	25'	26'	19' thru 24'	25'	26'	27'
Max Wind Beam Spacing		4'-0"	3'-9"	3'-6"	3'-3"	4'-0"	3'-9"	3'-6"	3'-3"

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

STRUCTURAL

MOUNTING DETAILS

FOR ROADSIDE GUIDE SIGNS

SMD(8-1)

DRAWING DATE: 4-78

REVISED

STATE: 18

FEDERAL DISTRICT: 6

FEDERAL PROJECT: F592(37)

COUNTY: DALLAS

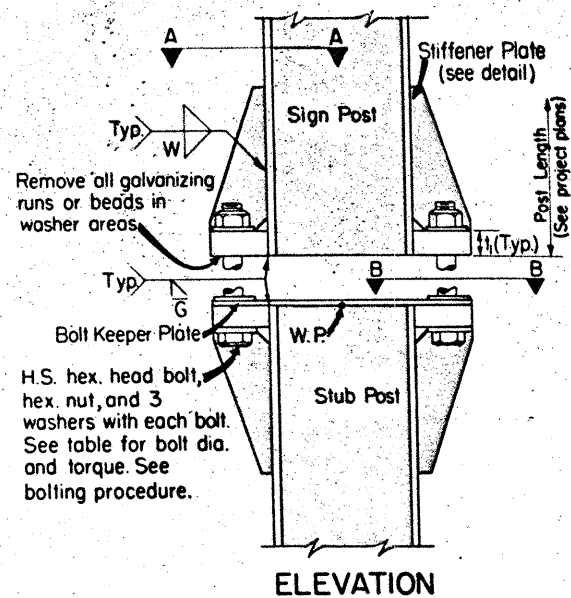
CONTROL SECTION: 261

JOB: 2

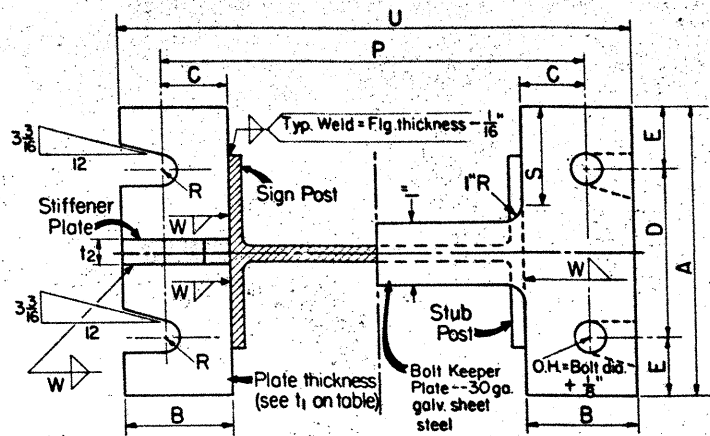
DATE: 3-3

BY: 0567

SHEET: 16



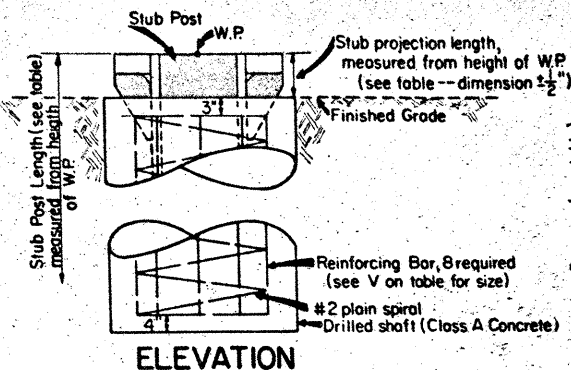
ELEVATION



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.

SECTION A-A SECTION B-B
(See Table for Dimensions)

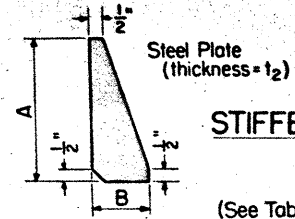
SIGN POST AND STUB POST
(For W Shapes)



ELEVATION

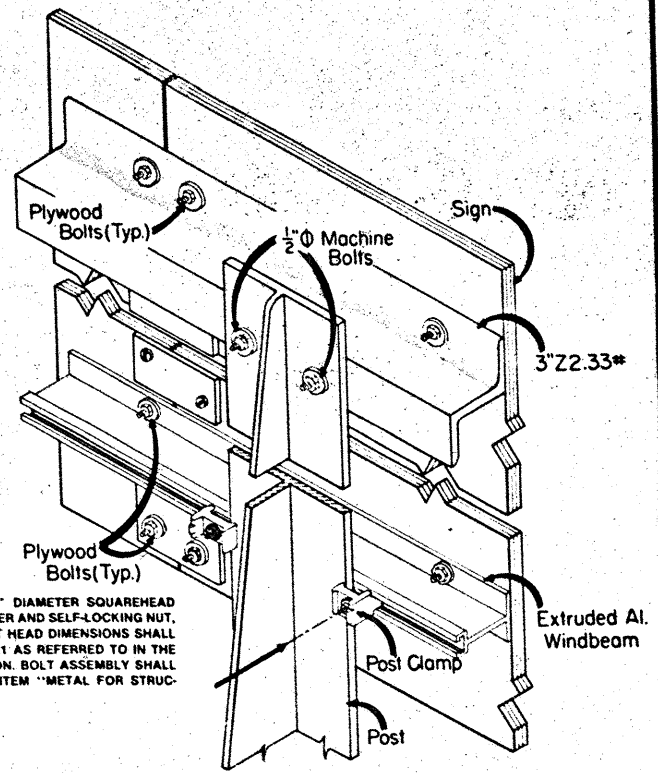
PLAN

FOUNDATION DETAIL



STIFFENER PLATE
DETAIL

(See Table for Dimension)



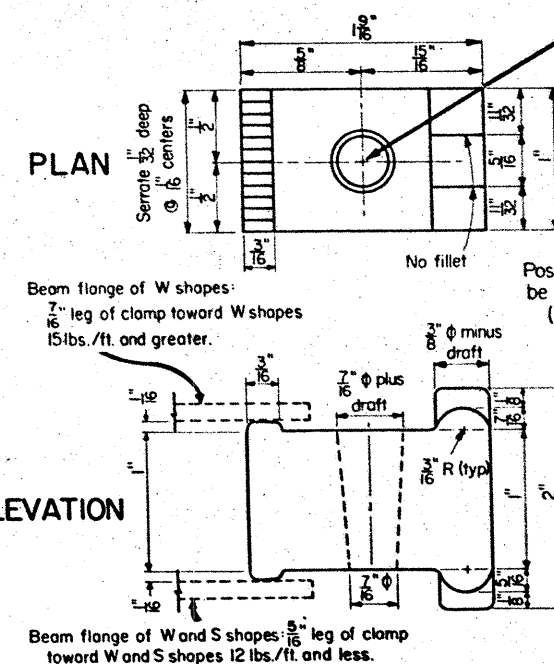
SIGN COMPONENTS
IN ASSEMBLY

BOLTING PROCEDURE FOR ASSEMBLY OF BASE CONNECTION:

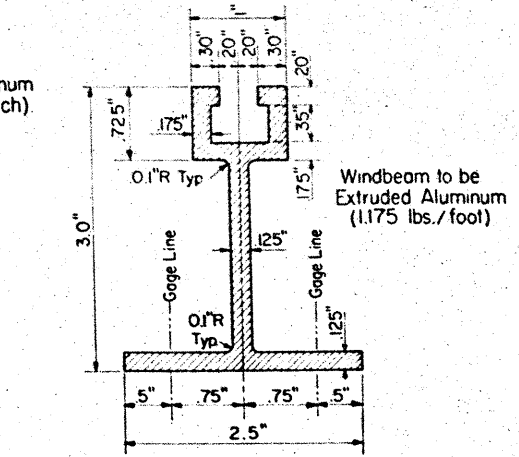
1. ASSEMBLE POST TO STUB WITH BOLTS AND WITH ONE FLAT WASHER ON EACH BOLT BETWEEN PLATES.
2. SHIM AS REQUIRED TO PLUMB POST.
3. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" TO 15" WRENCH TO BED WASHERS AND SHIMS AND TO CLEAN BOLT THREADS THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC 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	W	R	F	G	H	J	K	L	N	d ₁	I ₃	Bolt Dia.	Wt. of Each Fuse Plate	P	Q	U	Stub Length	Stub Projection	Dr. Shaft Diameter	Bar V Size		
W6x9	5/8"Φ x 2 3/4" Torque = 450**	5"	2"	1 1/4"	2 3/4"	1 1/8"	3/4"	1 1/4"	1 1/2"	35/8"	2"	1 1/8"	4"	2 1/4"	7/8"	1/2"	9/16"	1/4"	1/2"	.94 lbs.	8 3/8"	8 1/4"	1"	9 7/8"	2'-0"	3"	24"		#5	
W6x12																														#6
W6x15																														#7
W8x18																														#8
W8x21																														#9
W10x22	5/8"Φ x 3 1/2" Torque = 750**	6"	2 1/4"	1 3/8"	3 1/2"	1 1/4"	1"	3 1/4"	5 1/16"	13/32"	5 1/4"	3"	1 1/2"	5 3/4"	2 3/4"	1 1/2"	3/4"	13/16"	1/2"	3/4"	3.88 lbs.	12 7/8"	13 3/8"	1 1/2"	14 5/8"	14 7/8"	3'-0"	2 1/2"	12"	Non-reinforce*
W10x26																														#10
W12x26																														#11
S3x5.7	1/2"Φ x 2 1/2" Torque = 200**	See Detail Below									3 1/8"	1 1/2"	1 1/8"	2 5/8"	1 1/2"	9/16"	1/2"	1/4"	1 1/2"	0.49 lbs.	See Detail Below		3'-3 1/2"	3 1/2"	12"					
S4x7.7																														

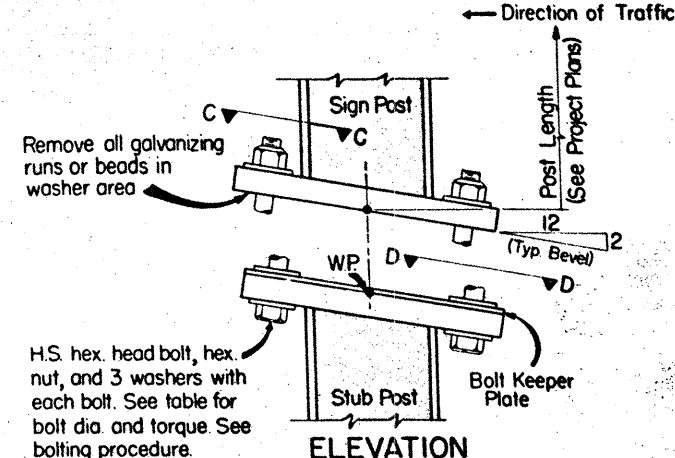
FOUNDATION DESIGN SHALL BE THE SAME AS THAT SHOWN FOR LARGE REGULATORY SIGN ON SHEET SMD(2).



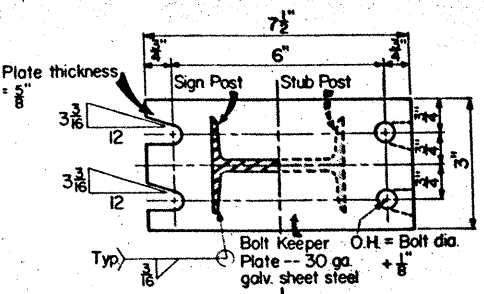
POST CLAMP DETAIL



WINDBEAM CROSS SECTION



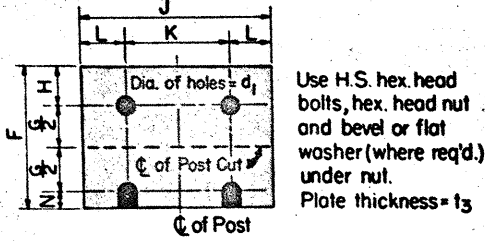
ELEVATION



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.

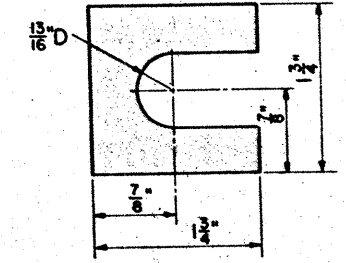
SECTION C-C SECTION D-D

SIGN POST AND STUB POST
(For S4x7.7 and S3x5.7)



FRICION FUSE PLATE DETAIL
(See Table for Dimensions & Weight)

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.

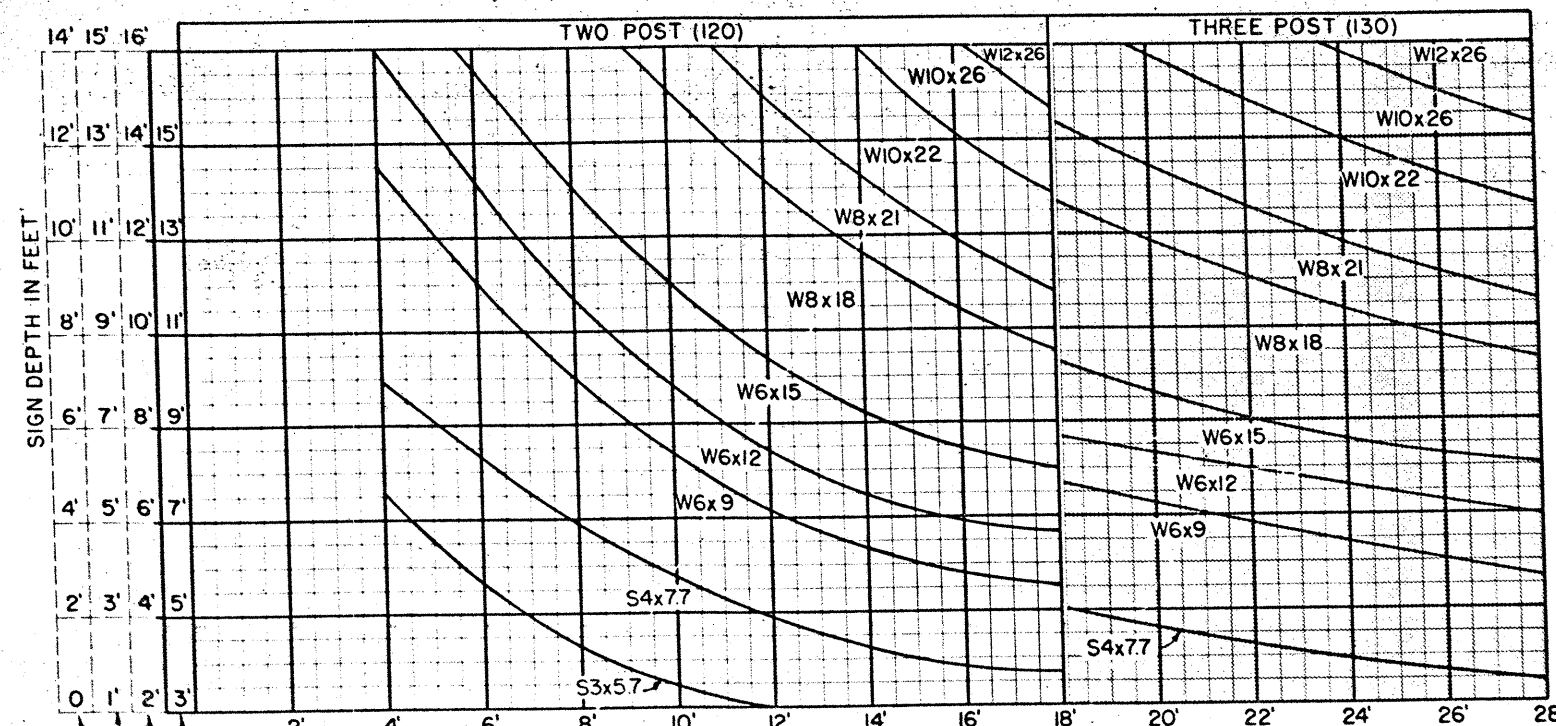


SHIM DETAIL

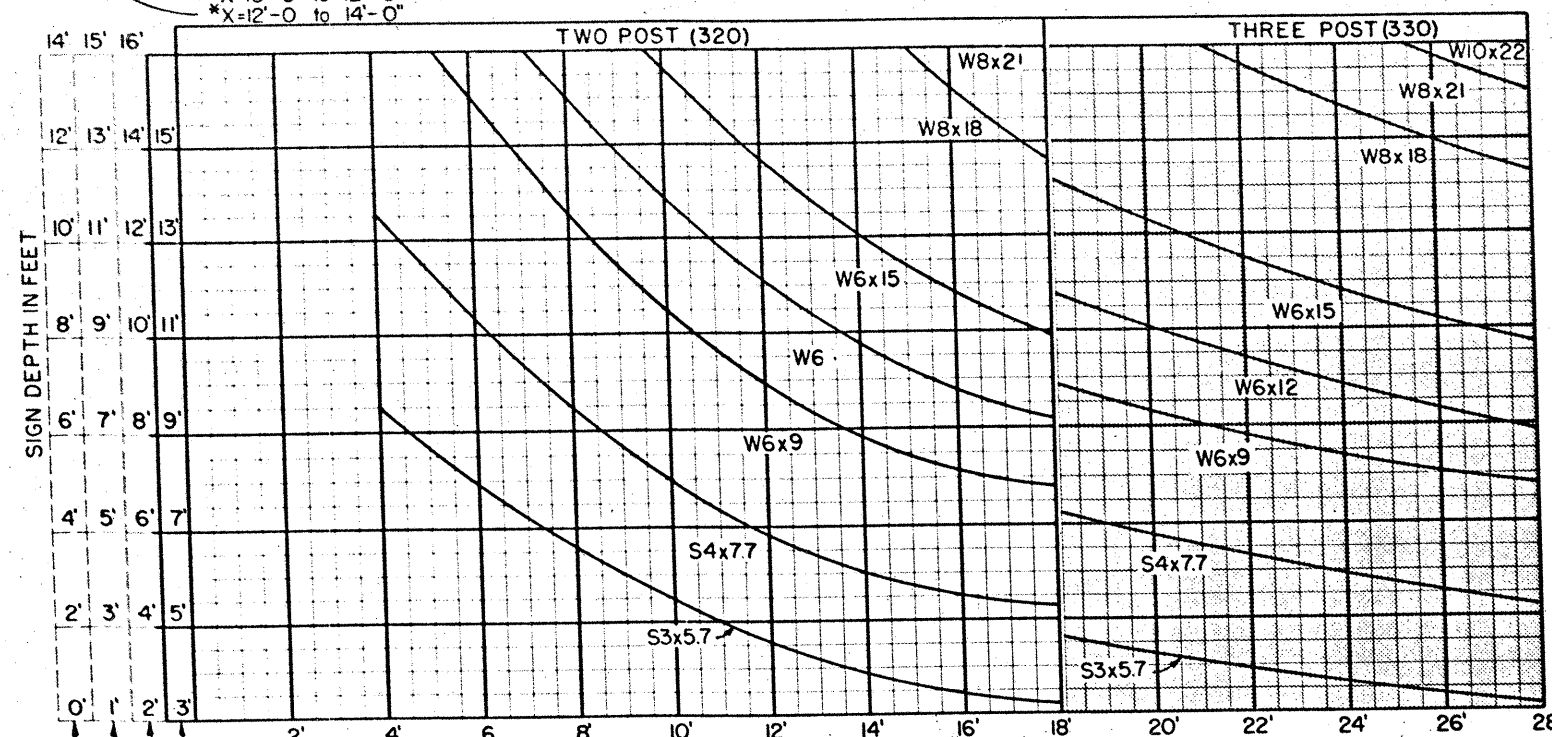
FURNISH 2\"/>

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

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION			
STRUCTURAL			
MOUNTING DETAILS 62			
FOR ROADSIDE GUIDE SIGNS			
SMD(8-2)			
DRAWING DATE: 4-78			
STATE	FEDERAL	FEDERAL AID PROJECT	SHEET
18	6	F592(27)	62
COUNTY	CONTROL	SECTION	JOB
DALLAS	261	2	33
CR			17



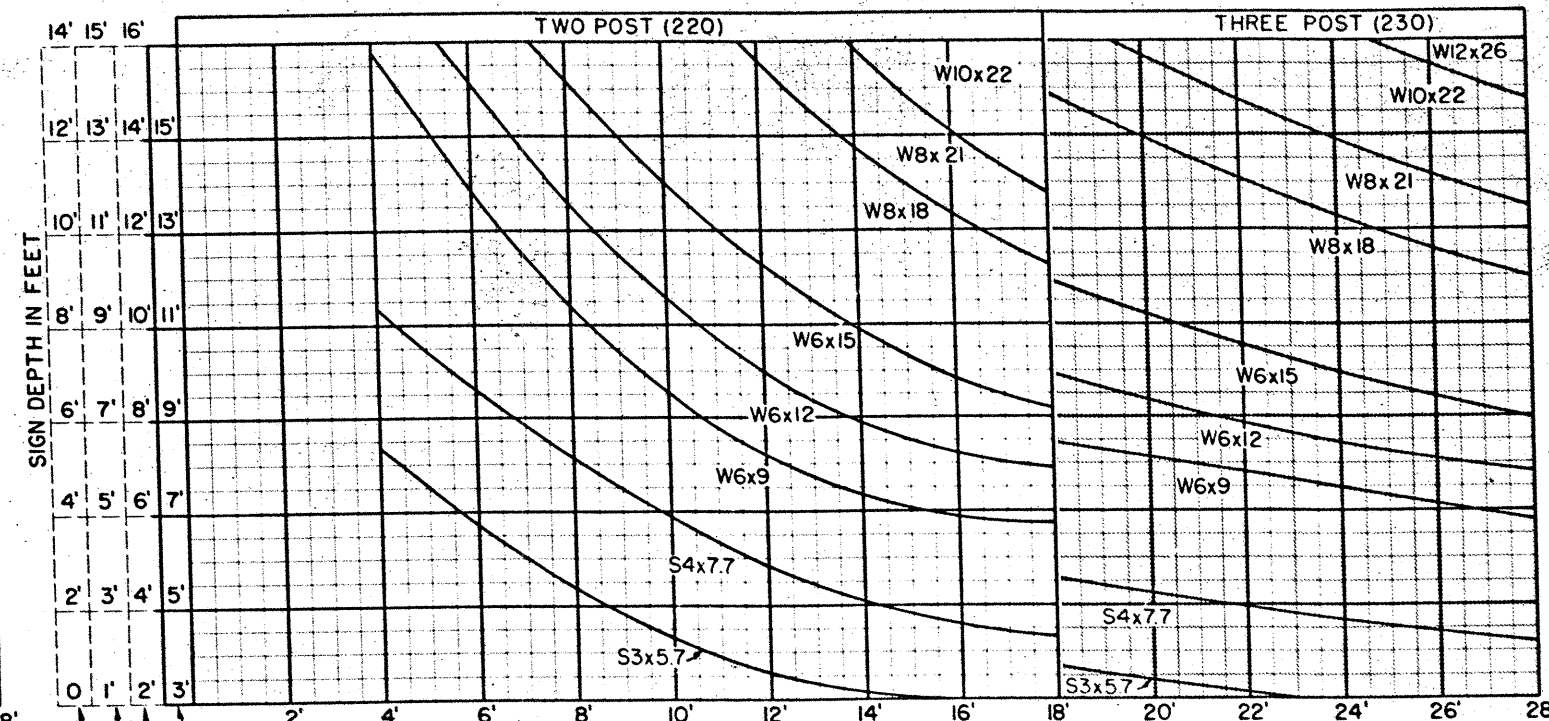
ZONE 1 (TYPES 100) 90 MPH WINDS



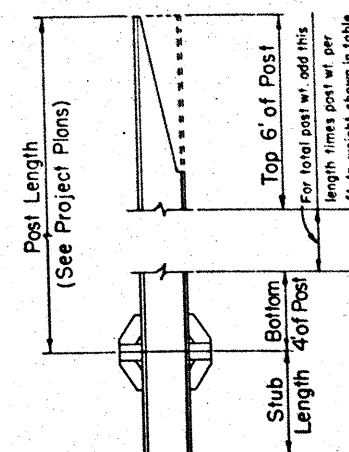
ZONE 3 (TYPES 300) 70 MPH WINDS

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

SHADED AREA DENOTES 3 POST SUPPORTS.



ZONE 2 (TYPES 200) 80 MPH WINDS



POST WEIGHT DATA

POST SIZE	WEIGHT OF ONE POST (LBS)	WEIGHT OF TWO POSTS (LBS)	WEIGHT OF THREE POSTS (LBS)
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).

Wind Design Zone
Series No. (Zero denotes plywood)
NO. of Posts

CODE

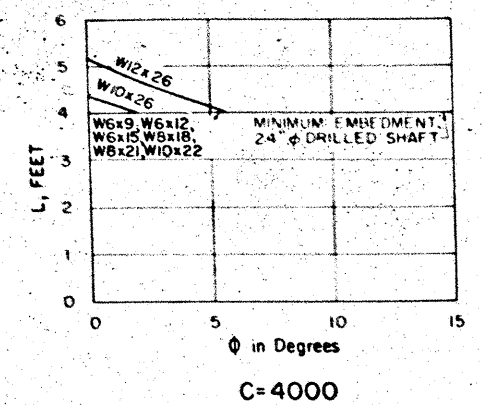
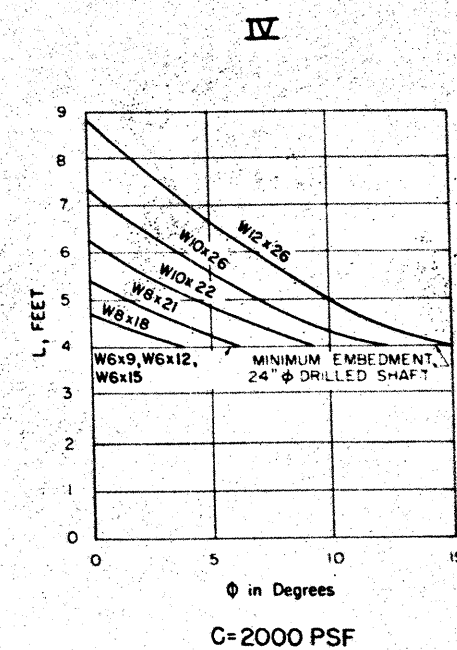
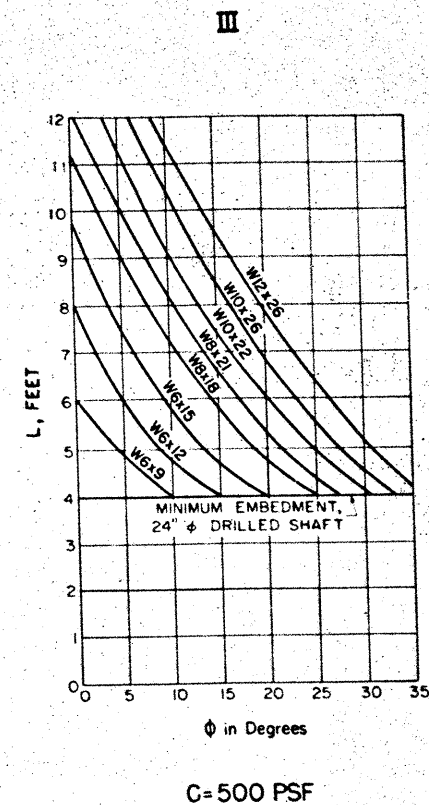
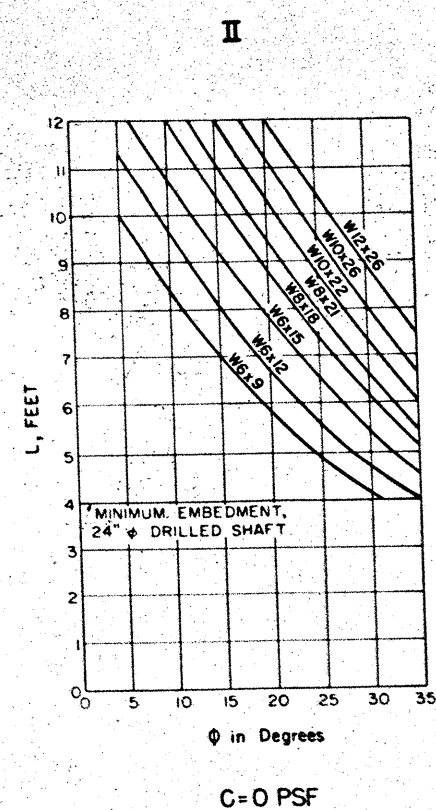
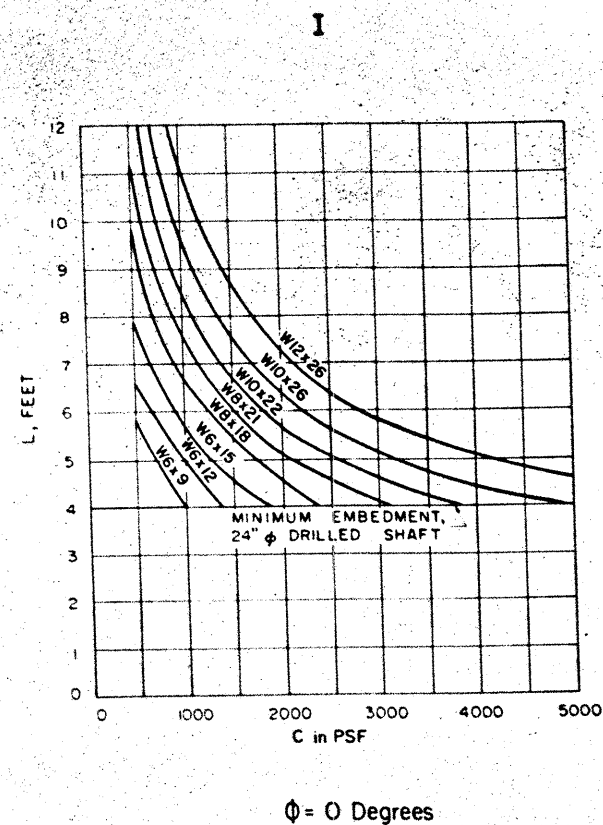
Note: Footings for S3x5.7 and S4x7.7 post sizes shall be non-reinforced, while footings for all other post sizes shall be reinforced.

STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

ROADSIDE GUIDE SIGN POST SELECTION WORKSHEET

SMD(8W1)

DRAWING DATE: 4-78	STATE DISTRICT: 13	FEDERAL REGION: 6	FEDERAL AID PROJECT: F-592(27)	SHEET: 63
REVISIONS:	COUNTY: DALLAS	CONTROL SECTION: 261	JOB: 2	HIGHWAY: 35
				19A



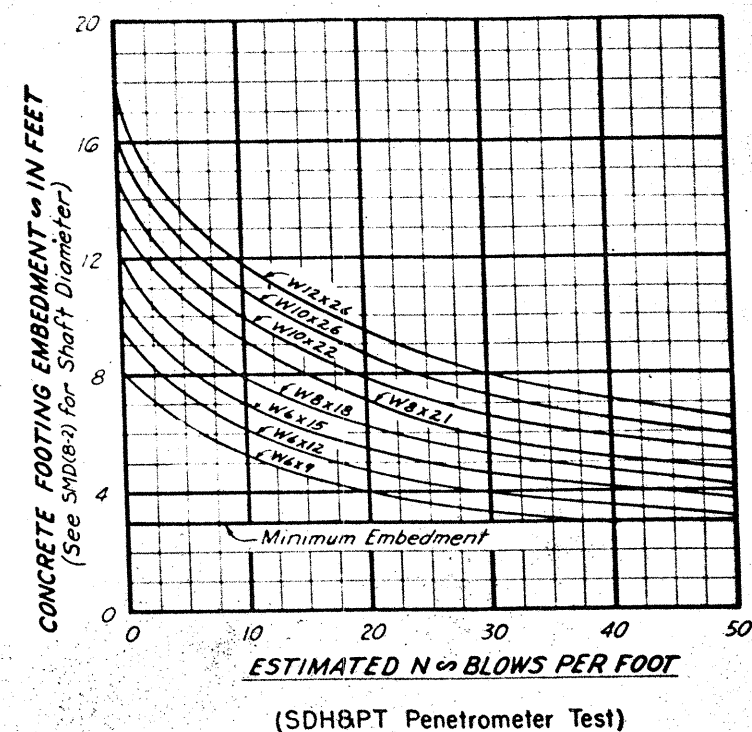
LEGEND:

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
(SDH&PT 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.

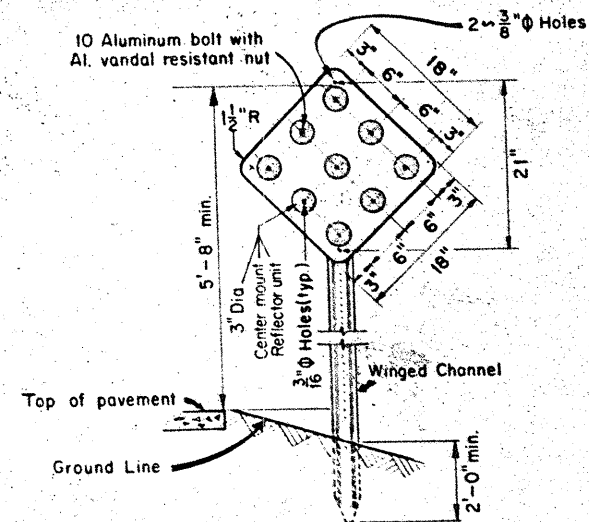


STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION
ROADSIDE GUIDE SIGN
FOUNDATION
WORKSHEET

SMD(8W2)

DRAWING DATE 7-72		STATE	FEDERAL	FEDERAL AID PROJECT	SHEET
DN--	REVISIONS	18	6	F593(27)	64
CK--	5-74-1 & 41 deleted	COUNTY		CONTROL SECTION	JOB
DW--	4-78-1 STEEL DESIGNATIONS	DALLAS		261	2, 33
CK--					198

Types 1 and 4 Object Marker

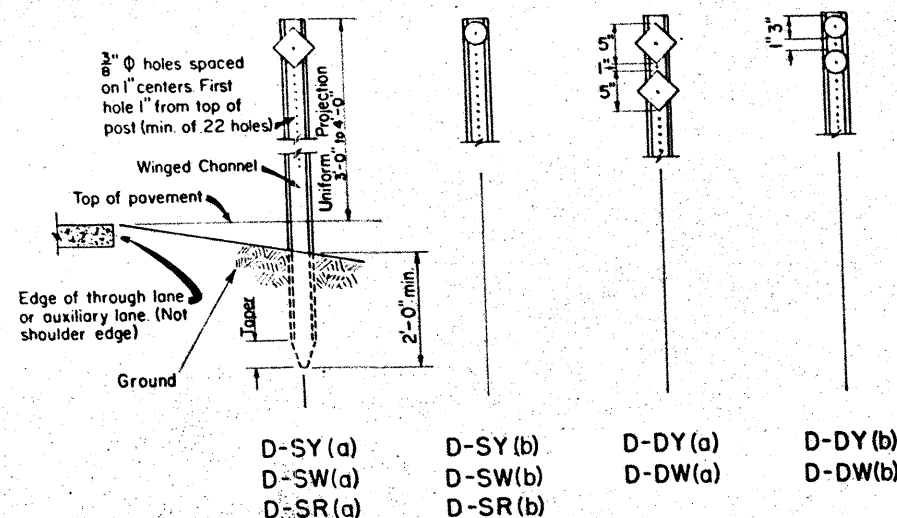


Types 1 and 4 Object Markers shall consist of Center Mount Reflector Units mounted on 0.080" thick sheet aluminum conforming with ASTM B-209 Alloy 6061-T6, or 12 gage sheet steel conforming with ASTM A-415.

TYPE 1 OM-1R
REFLECTOR UNIT - YELLOW
BACKGROUND (YELLOW NON-REFLECTIVE)

TYPE 4 OM-4R
REFLECTOR UNIT - RED
BACKGROUND (RED NON-REFLECTIVE)

Delineators



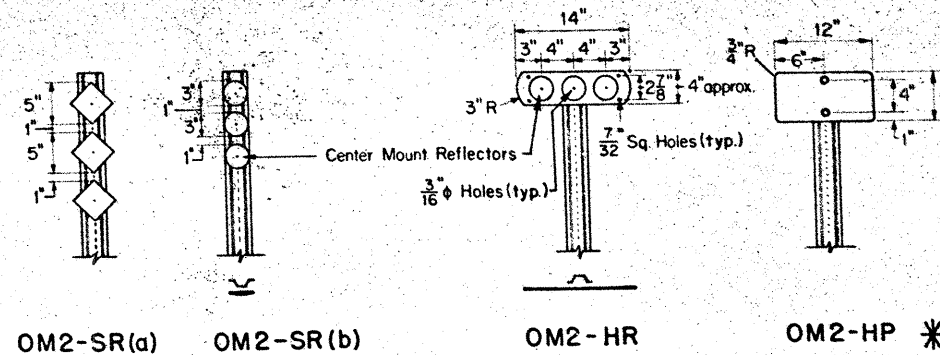
D-SY (a) D-SY (b) D-DY (a) D-DY (b)
D-SW (a) D-SW (b) D-DW (a) D-DW (b)
D-SR (a) D-SR (b)

Single Reflectors Double Reflectors

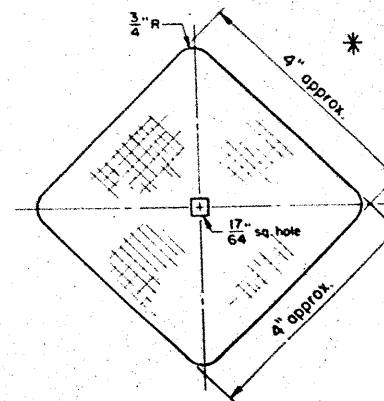
(Y-yellow, W-white, R-red)

Type 2 Object Markers

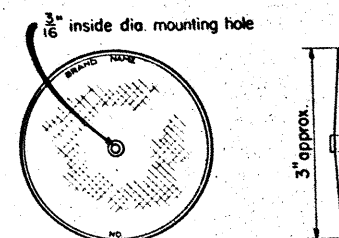
YELLOW
(R- reflector unit, P-panel)



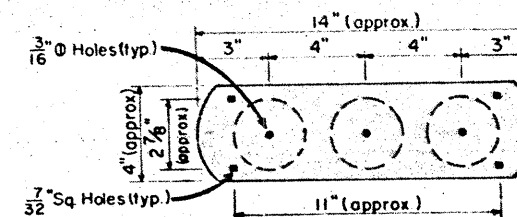
See Details Below



HIGH SPECIFIC INTENSITY
REFLECTOR UNIT
(a)

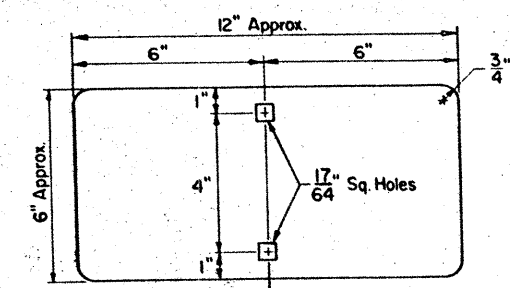


CENTER MOUNT
REFLECTOR UNIT
(b)



The mounting plate shall be 0.063" thick aluminum 3003-H-14 or similar aluminum.

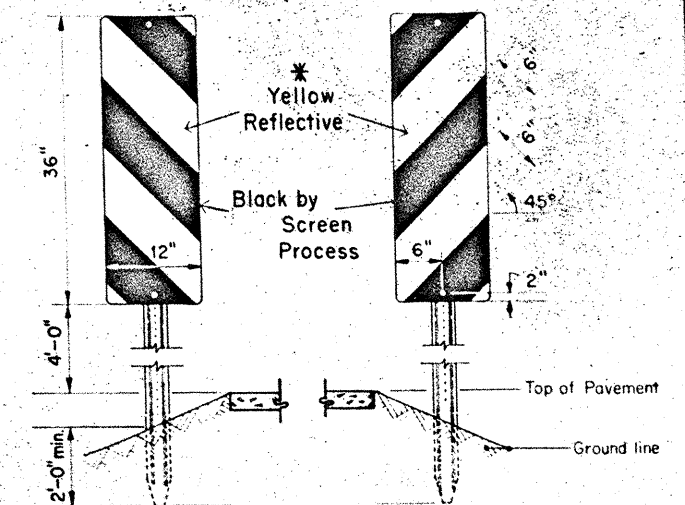
OM2-HR HORIZONTAL MOUNTING PLATE
DETAIL



The plate shall be 0.063" thick Aluminum 3003 H-14 or similar Aluminum

OM2-HP HORIZONTAL PANEL
DETAIL

Type 3 Object Markers



OM3-L

OM3-R

* Reflective Sheeting shall be in accordance with the Item "High Specific Intensity Flat Surface Reflective Sheeting"

GENERAL NOTES:
CENTER MOUNT AND HIGH SPECIFIC INTENSITY REFLECTOR UNITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ITEM "DELINEATORS AND OBJECT MARKERS."

DELINEATORS SHALL BE UNIFORMLY PLACED NOT LESS THAN 2 FEET NOR MORE THAN 6 FEET FROM THE EDGE OF SHOULDER OR THE FACE OF UNMOUNTABLE CURB, OR THEY SHALL BE PLACED IN LINE WITH GUARDRAIL WHERE GUARDRAIL IS USED.

OBJECT MARKERS SHALL BE LOCATED AT POINTS DESIGNATED ON PLAN SHEETS.

HARDWARE SHALL BE GALVANIZED STEEL, STAINLESS STEEL, OR ALUMINUM, EXCEPT AS NOTED.

POSTS FOR SUPPORTING DELINEATORS AND OBJECT MARKERS SHALL BE IN ACCORDANCE WITH THE ITEM "WINGED CHANNEL POST".



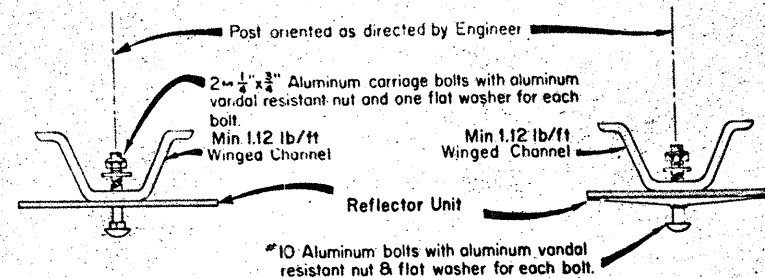
STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

DELINEATORS and
OBJECT MARKERS

65

D & OM(1)

DRAWING DATE: 1-81		STATE	FEDERAL	FEDERAL AID PROJECT	SHEET
DATE	REVISIONS	DISTRICT	REGION		
18	6			F593(27)	65
COUNTY	CONTROL SECTION	JOB	HIGHWAY		
DALLAS	261	2	33	US67	20A

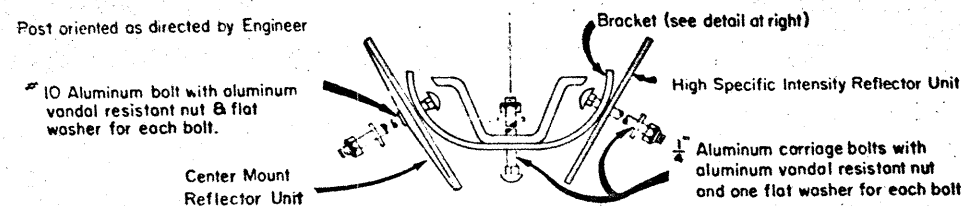


High Specific Intensity Reflector Units

Center Mount Reflector Units

PLAN VIEW OF MONODIRECTIONAL MOUNTINGS

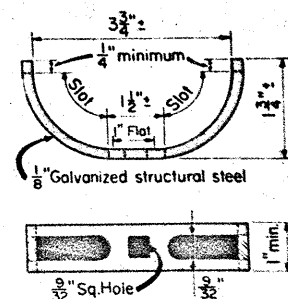
For Single and Double Delineators and Object Marker types OM-2SR(a) & OM-2SR(b)



PLAN VIEW OF BIDIRECTIONAL MOUNTINGS

For Single Delineators Only

(DEPICTING HIGH SPECIFIC INTENSITY REFLECTOR UNIT OR CENTER MOUNT REFLECTOR UNIT)



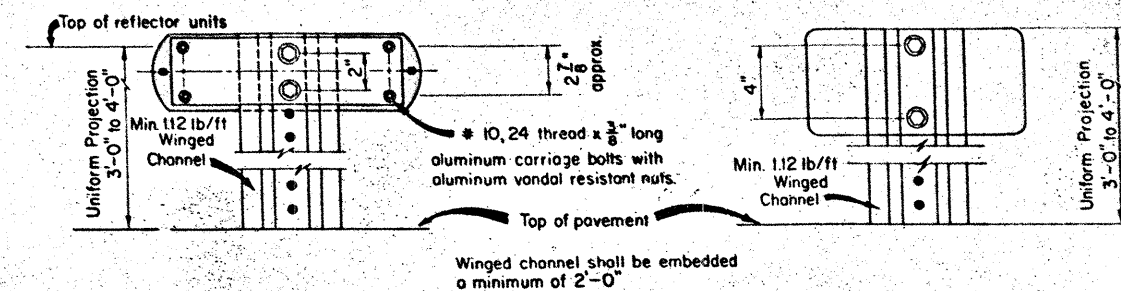
Plan View

Elevation

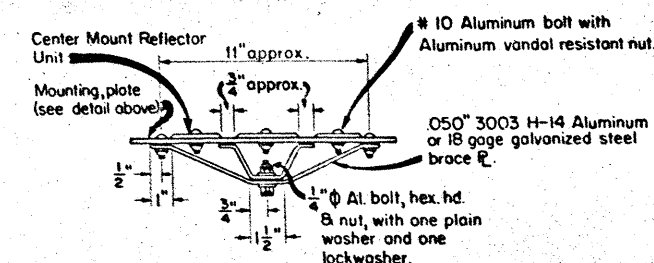
BIDIRECTIONAL BRACKET

OM2-HR HORIZONTAL MOUNTING PLATE

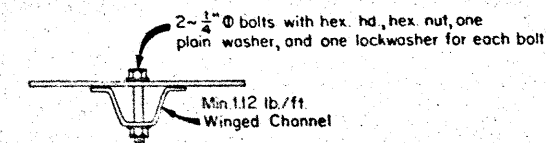
OM2-HP HORIZONTAL PANEL



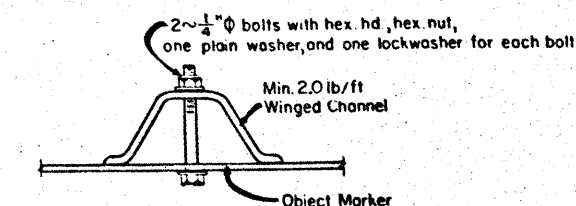
REAR ELEVATION



PLAN VIEW



OBJECT MARKER TYPES 1,3 and 4

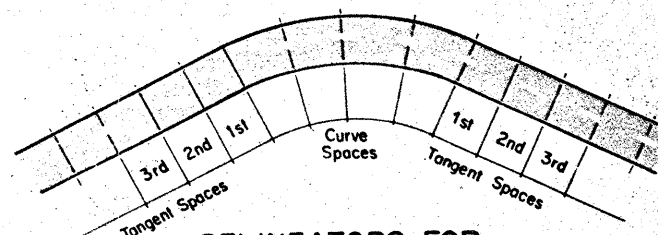


PLAN VIEW

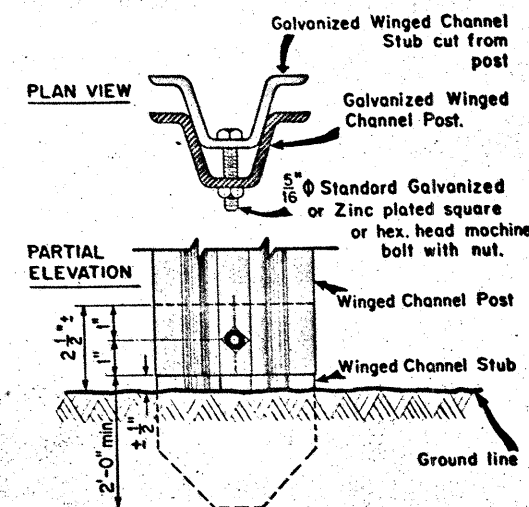
Spacing for Highway Delineators on Horizontal Curve

Spacing for Highway Designers on Horizontal Curves					
Degree of Curve	Radius on Curve	Spacing on Curve	Spacing in Advance of and Beyond Curves		
			First Space	Second Space	Third Space
	Feet	Feet	Feet	Feet	Feet
1	5730	225	300	300	300
2	2865	160			
3	1910	130	260		
4	1433	110	225		
5	1146	100	200		
6	955	90	185	275	
7	819	85	165	250	
8	716	75	155	230	
9	637	75	145	220	
10	573	70	135	205	
11	521	65	130	195	
12	478	60	125	185	

The delineator spacing, S, on the curve is found from the formula $S = \sqrt{R - 50}$, where R is the radius of the curve in feet. The first spaces immediately in advance of and beyond the curve are $2.0 \times S$; the second spaces are $3.0 \times S$, and the third spaces are $6.0 \times S$ but not to exceed 300 feet. Distance for spaces rounded to nearest 5 feet.



DELINEATORS FOR CURVES OR TANGENT SECTIONS



BREAK AWAY CHANNEL POST

(Where specified in the plans)

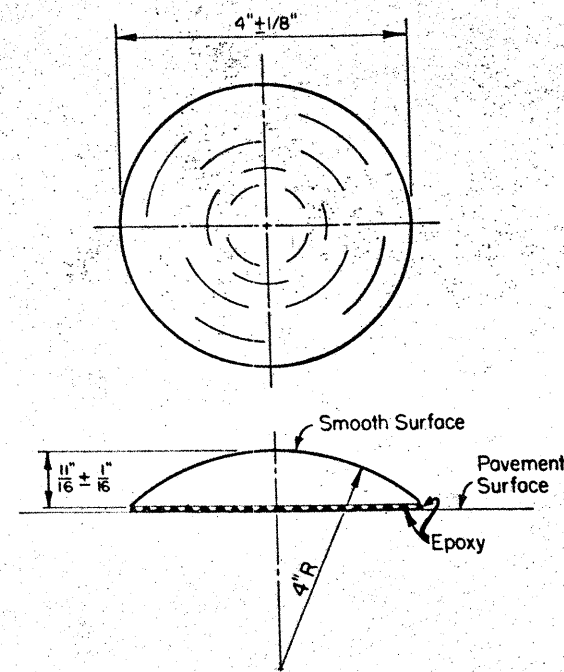


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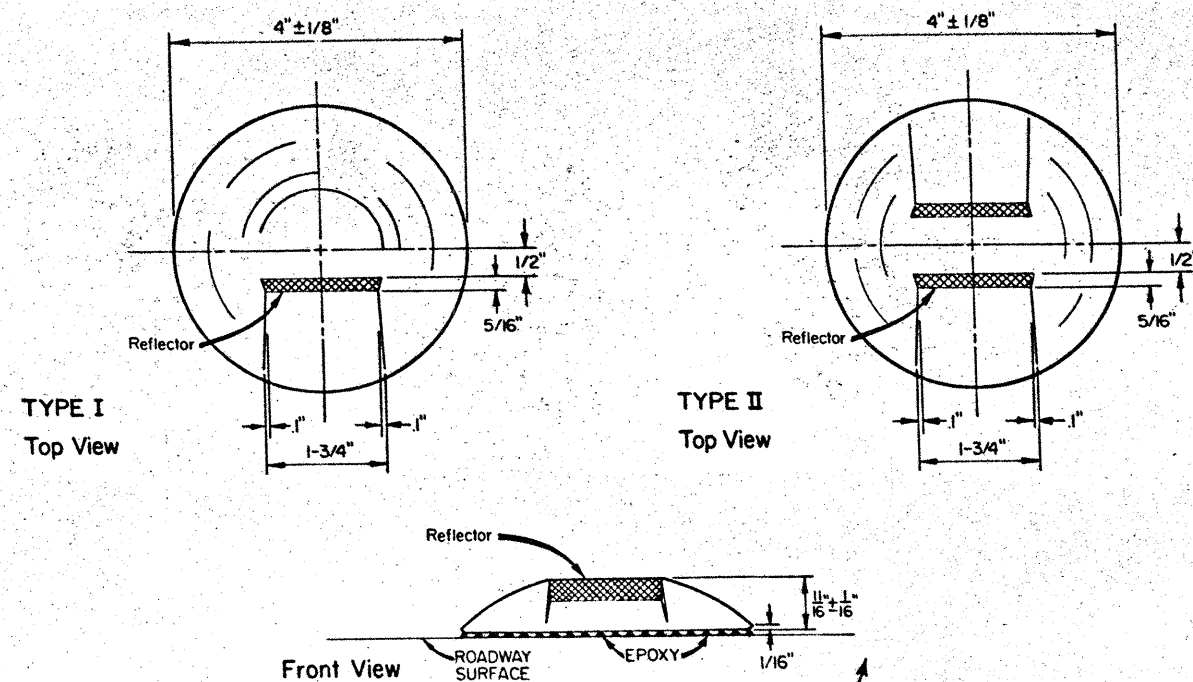
DELINEATORS and OBJECT MARKERS

D & OM (2)

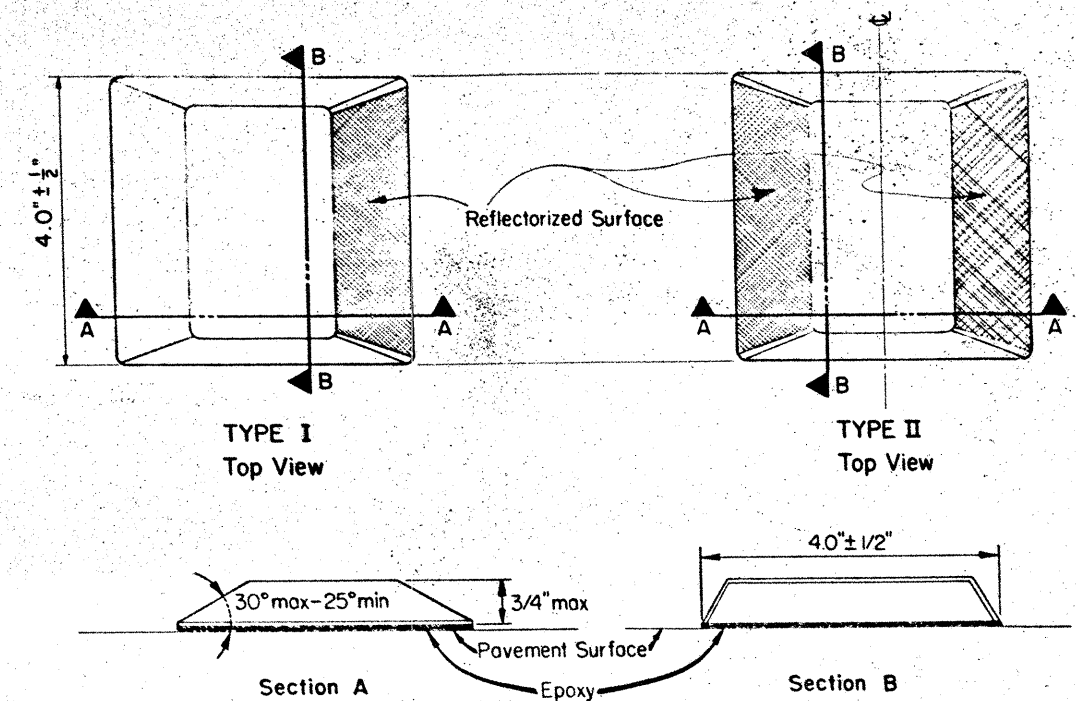
DRAWING DATE: 1-51		STATE	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
DATE	REVISIONS	18	6	F592(27)	66
DATE	REVISIONS	COUNTY	CONTROL SECTION	JOB	HIGHWAY
DATE	REVISIONS	DALLAS	261	2	33



TRAFFIC BUTTONS
(NON-REFLECTORIZED)

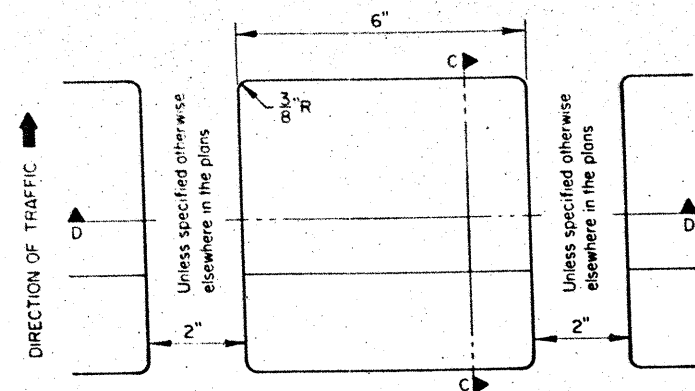


TRAFFIC BUTTONS
(REFLECTORIZED)
TYPES I & II

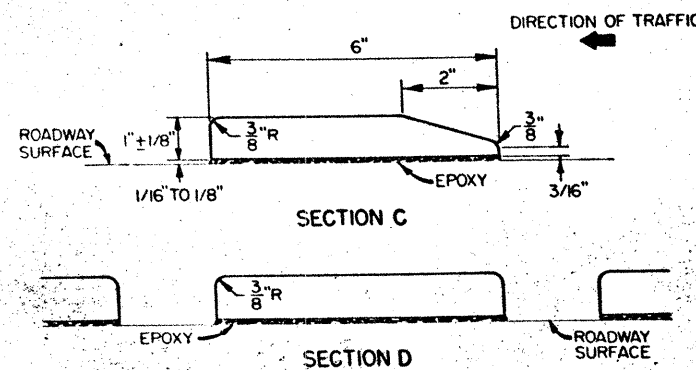


PAVEMENT MARKERS
(REFLECTORIZED)
TYPES I & II

Minimum area of markers exposed to traffic shall be not less than 12.5 square inches.

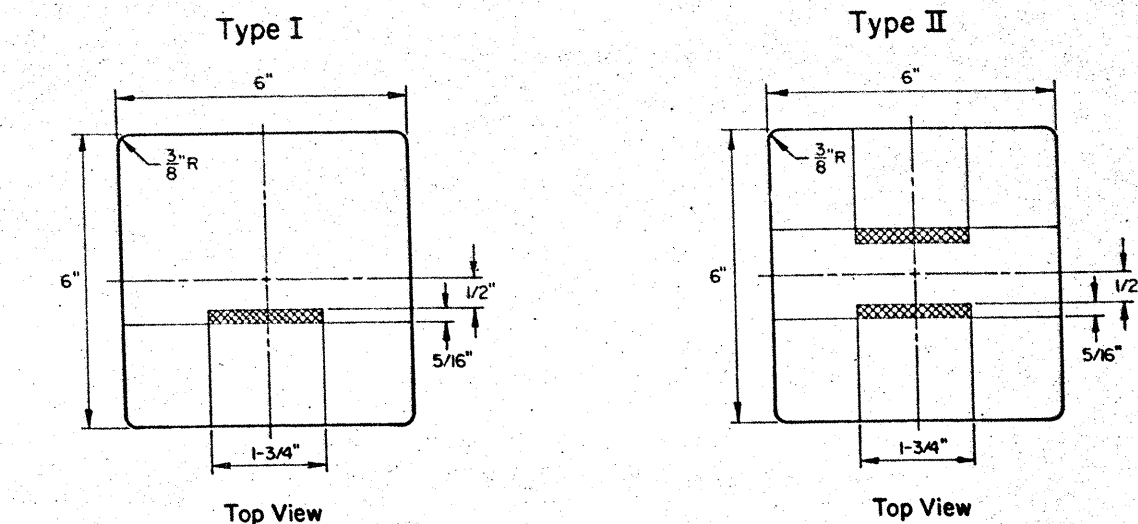


JIGGLE BAR IN PLACE
TOP VIEW



JIGGLE BAR TILES
(NONREFLECTIVE)

"JIGGLE BARS" CONSIST OF A NUMBER OF JIGGLE BAR TILES PLACED IN A LINEAR CONFIGURATION.



JIGGLE BAR TILES
(REFLECTORIZED)
Types I & II

NOTE
ALL DIMENSIONS ARE $\pm 1/8$ " UNLESS OTHERWISE SHOWN.

GENERAL NOTES:

THE PAVEMENT UPON WHICH THE TRAFFIC BUTTONS, PAVEMENT MARKERS, AND JIGGLE BARS ARE TO BE PLACED SHALL BE GROUND, BUFFED, SANDBLASTED, OR OTHERWISE PREPARED AND APPROVED BY THE ENGINEER TO INSURE PROPER CLEANING OF THE PAVEMENT SURFACE. RPM'S SHALL BE BONDED TO THE ROADWAY SURFACE WITH EPOXY ADHESIVE CONFORMING WITH THE SPECIFICATION.

USUAL JIGGLE BAR SPACING IS 50' ON MEDIAN PAVED SHOULDERS, 100' ON OUTSIDE PAVED SHOULDERS. JIGGLE BARS SHALL BE ORIENTED PERPENDICULAR TO THE ROADWAY.

JIGGLE BARS SHALL ALSO BE PLACED AT SUCH OTHER LOCATIONS AS SHOWN ON THE PLAN AND PROFILE SHEETS OR WHERE DIRECTED BY THE ENGINEER.

MARKERS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY. THEY ARE NOT INTENDED TO SPECIFY ANY PARTICULAR PRODUCT.



STATE DEPARTMENT OF HIGHWAYS
AND PUBLIC TRANSPORTATION

RAISED PAVEMENT MARKINGS
REFLECTIVE PAVEMENT MARKERS,
TRAFFIC BUTTONS,
& JIGGLE BARS

RPM(II)

DRAWING DATE: 1-81		STATE, FEDERAL DISTRICT	FEDERAL AID PROJECT	SHEET
DR-1	REVISIONS	18 6	F 592 (27)	67
DR-2		COUNTY	CONTROL SECTION	JOB
DR-3		DALLAS	261 2 35	US 67
DR-4				21A

