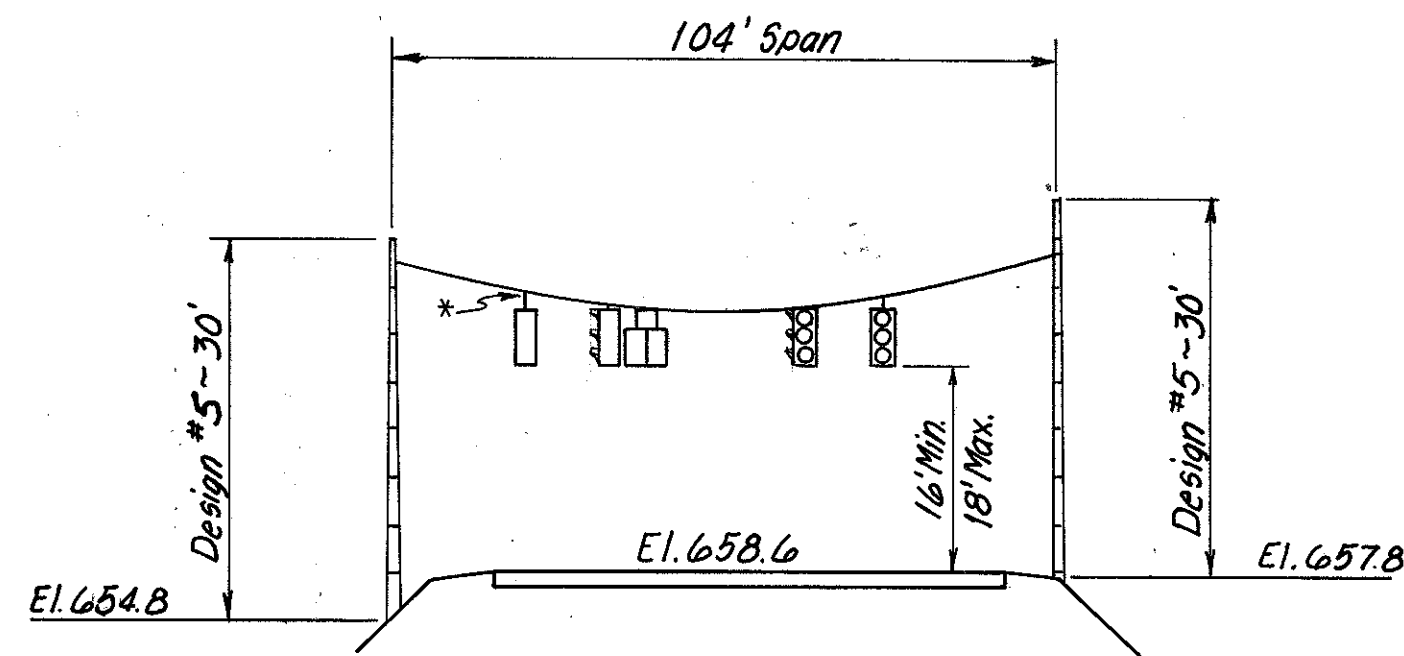
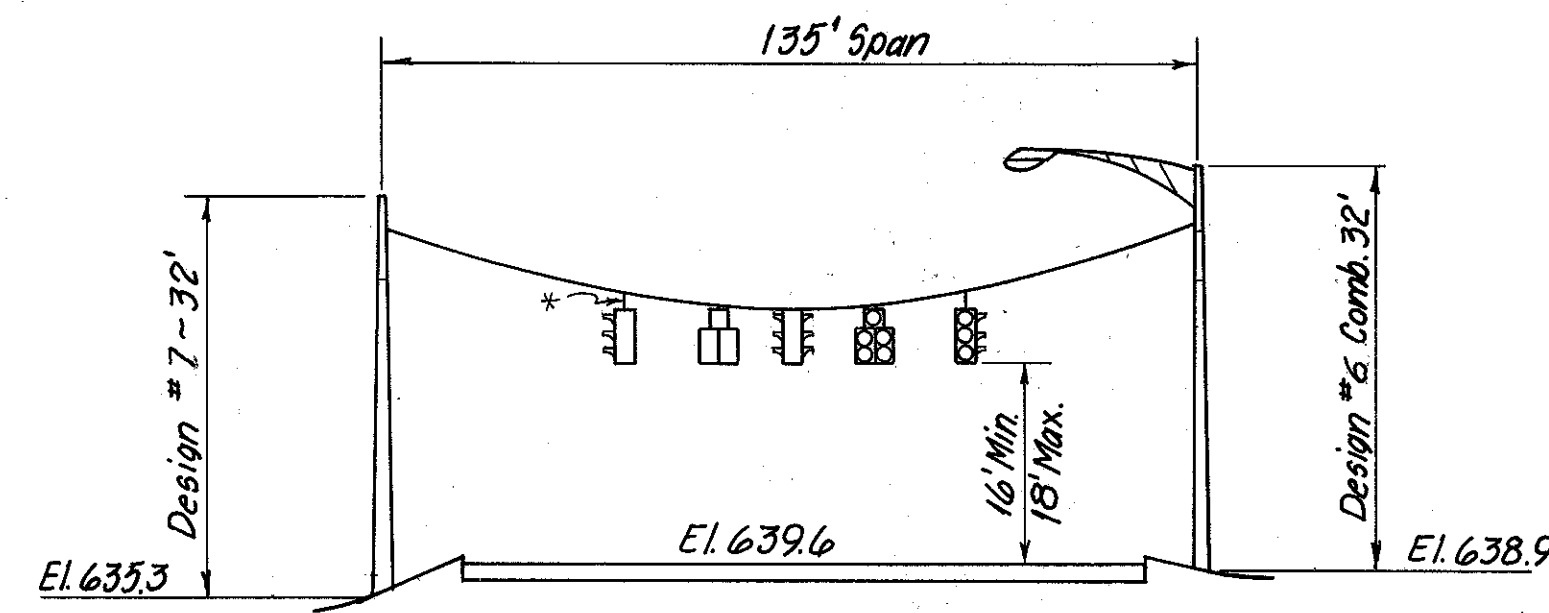


**SIGNAL STRAIN POLE ELEVATIONS**

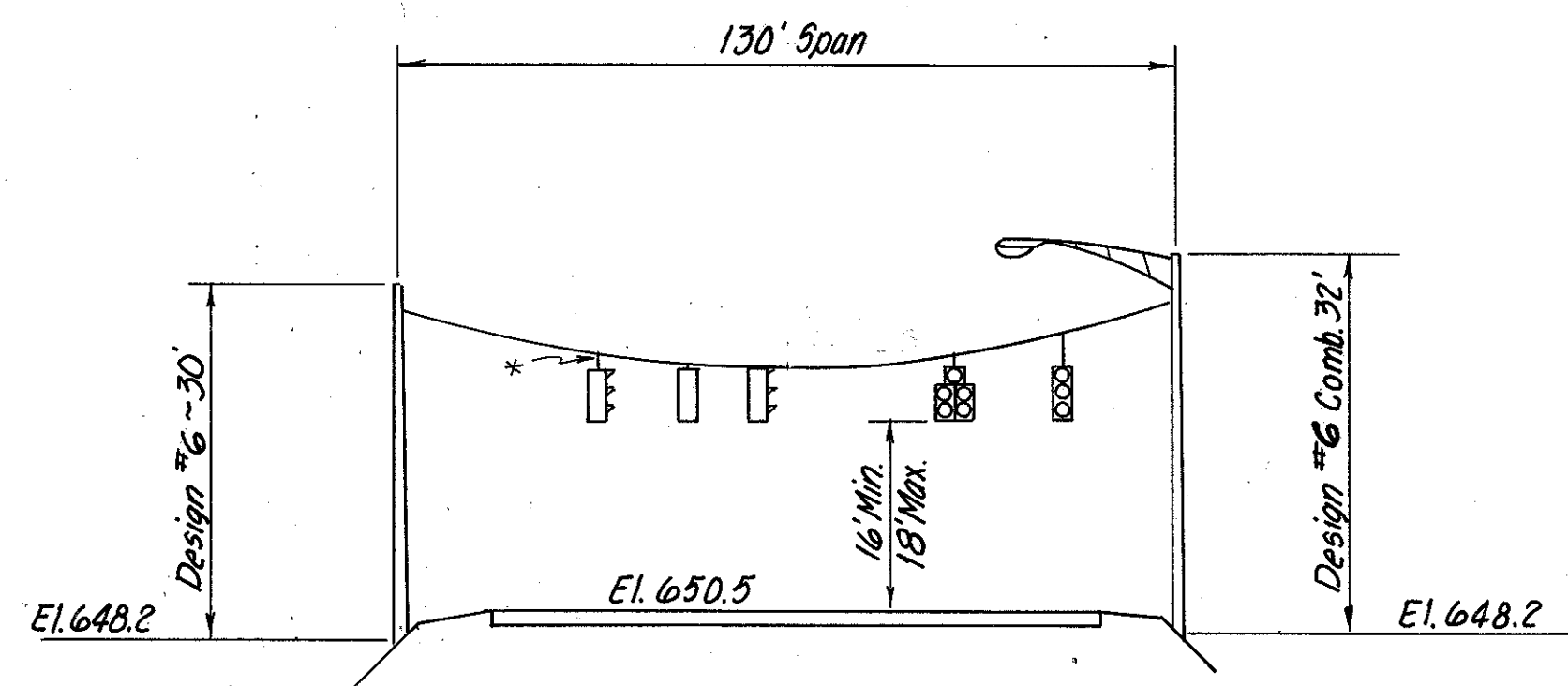
LAK-91-4.56



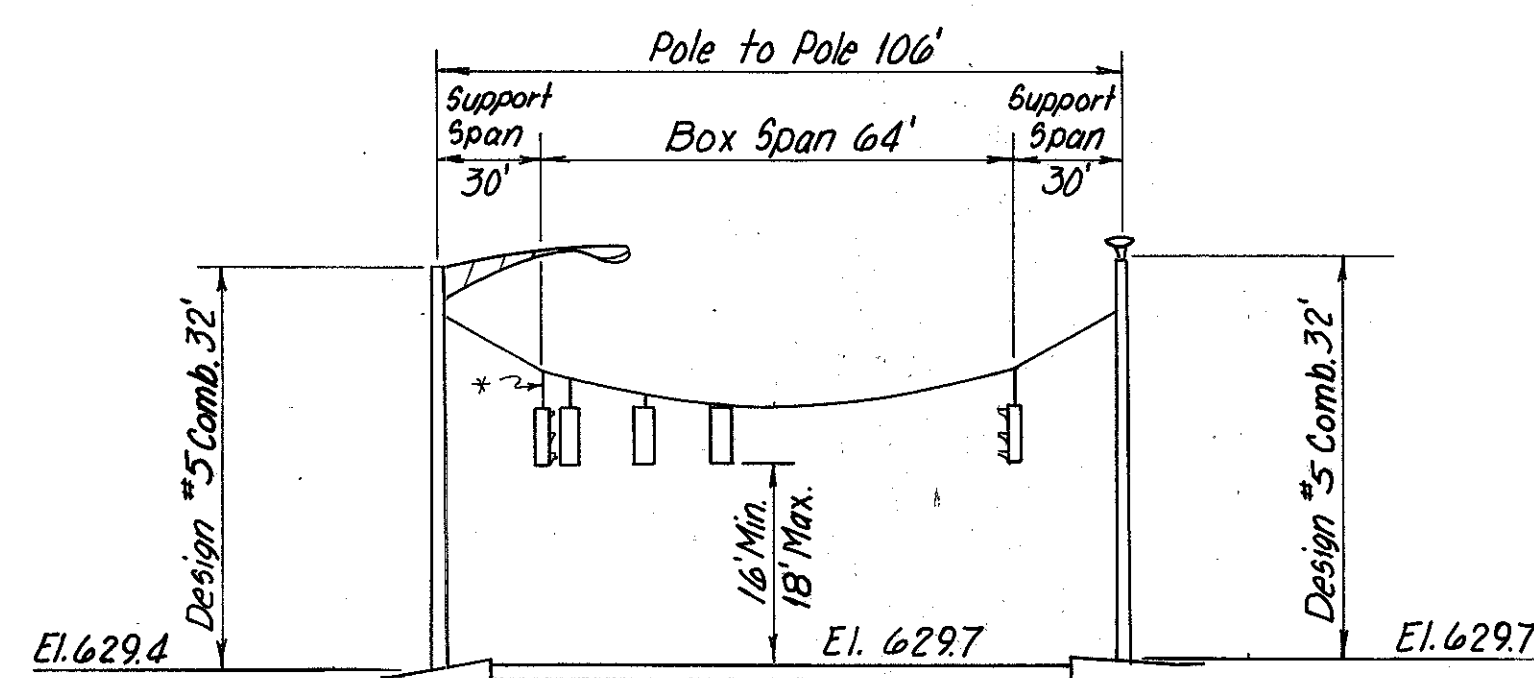
**EASTBOUND RAMPs**



**CURTIS BLVD.**

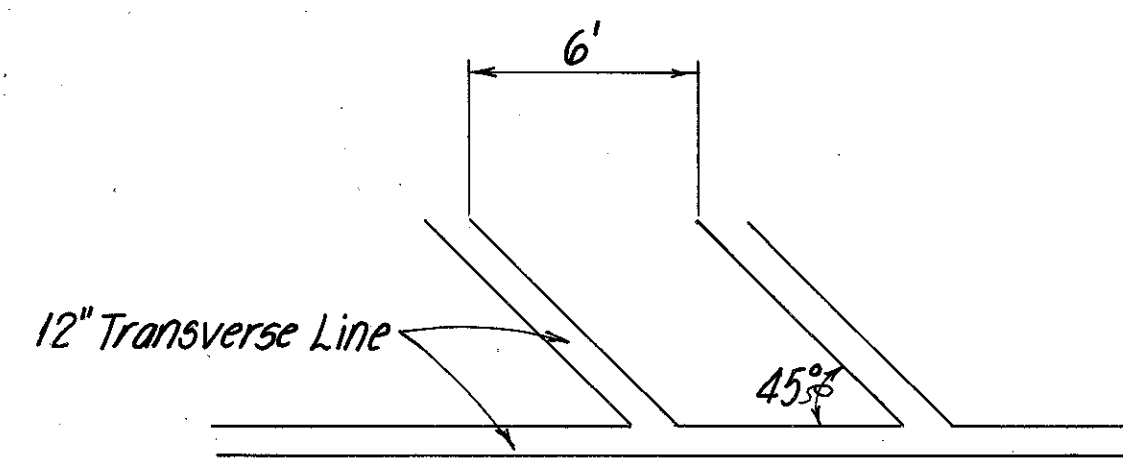


**WESTBOUND RAMPs**



**SOUTH APPROACH @ VINE ST.**

\*Use variable lengths not greater than 1 foot, of 1/2" drop pipe to obtain the correct mounting heights - typical for all signals.



**PAVEMENT ISLAND DETAIL**

**GENERAL SUMMARY**

SHEET No.						ITEM	TOTAL	UNIT	TRAFFIC CONTROL Y 031		
2	3	8	9	10	11					12	
200							605	200	L.F.	6" Shallow Pipe Underdrain	
					0.11	0.07	621	0.18	Mi.	Center Lines	
			100	770	395	506	621	1771	L.F.	Channelizing Lines	
			270	287			621	557	L.F.	12" Transverse Lines	
			148	162	129	186	621	625	L.F.	Stop Lines	
			6	8	8	8	621	30	Ea.	Lane Arrows	
			2	4	4	4	621	14	Ea.	Word on Pavement, 72"	
			120				621	120	L.F.	Dotted Lines, 4"	
						732	621	732	L.F.	Crosswalk Lines	
			4	3	4		625	11	Ea.	Pull Box, 18", 713.08	
			2	2	2	4	625	10	Ea.	Ground Rod	
			124	83	88		625	295	L.F.	Trench	
			124	83	88		625	295	L.F.	Conduit 1", 713.04	
40							625	40	L.F.	Conduit 3", Jacked Under Pavement	
			1	1	1		843	3	Ea.	Controller, Semiactuated, 3 Phase, Solid State, Digital, With Cabinet	
							1	843	1	Ea.	Controller, Prefimed, 3-Dial, Electromechanical, Secondary / Master, With Cabinet
			1	1	1		843	3	Ea.	Coordinator, Electromechanical, 3 Dial, Secondary	
							1	843	1	Ea.	Weekly Programmer
				1	1	4	625	6	Ea.	Light Bracket Arm, 15 Foot Style II	
			55	56	55	80	630	246	S.F.	Signs, Flat Sheet	
			156	169	156	208	630	689	L.F.	Ground Mounted Supports, No. 3 Post	
				1	2		630	3	Ea.	Removal of Ground Mounted Sign and Storage	
							630	2	Ea.	Removal of Ground Mounted Sign and Rerection	
			3	3		8	632	14	Ea.	Vehicular Signal Head, 3 Section, 12 in. Lens, 1 Way	
			1	1	3		632	5	Ea.	Vehicular Signal Head, 3 Section, 12 in. Lens, 2 Way	
			1	1	2	2	632	6	Ea.	Vehicular Signal Head, 5 Section, 12 in. Lens, 1 Way	
						8	632	8	Ea.	Pedestrian Signal Head, Type B2	
			5	5	5	10	632	25	Ea.	Covering of Vehicular Signal Head	
			1	1	2		632	4	Ea.	Loop Detector Amplifier, Delay and Extension Type, as Per Plan	
			2	2	2		632	6	Ea.	Loop Detector Amplifier, as Per Plan	
			329	285	521		632	1135	L.F.	Loop Detector Pavement Cutting, as Per Plan	
			104	130	135	376	632	745	L.F.	Messenger Wire, 75 Strand 3/16 in. Dia, With Accessories	
						1053	632	1053	L.F.	Signal Cable, 3/4 No. 14 AWG	
						138	632	138	L.F.	Signal Cable, 5/8 No. 14 AWG	
			122	76	143		632	341	L.F.	Signal Cable, 1/2 No. 14 AWG	
			114	141		586	632	841	L.F.	Signal Cable, 3/8 No. 14 AWG	
			2933				632	2933	L.F.	Interconnect Cable, Integral Messenger Wire Type, 1/4 No. 14 AWG	
			730	678	1224		632	2632	L.F.	Loop Detector Wire, as Per Plan	
			683	254	776		632	1713	L.F.	Loop Detector Lead-in Cable, 2/4 No. 14 AWG	
			2	1	2	5	632	10	Ea.	Cable Support Assembly	
			1	1	1	1	632	4	Ea.	Power Service, as Per Plan	
			34	34	34	34	632	136	L.F.	Power Cable, 2/4 No. 8 AWG	
			143	105	63	59	632	370	L.F.	Service Cable, 2/4 No. 8 AWG	
			1	1		1	632	3	Ea.	Removal of Traffic Signal Installation	
			2				632	2	Ea.	Signal Strain Pole Comb, Type 81.10 Design 5	
						4	632	4	Ea.	Signal Strain Pole Comb, Type 81.10 Design 5, Mod. 32'	
				1			632	1	Ea.	Signal Strain Pole, Type 81.10 Design 6	
			5.4	5.4	5.8	9.6	632	26.2	C.Y.	Concrete For Anchor Base Foundations	
				1	1			2	Ea.	Signal Strain Pole Comb, Type 81.10 Design 6, Mod. 32'	
								1	Ea.	Signal Strain Pole, Type 81.10 Design 7, Mod. 32'	
Lump							624	Lump	Lump	Mobilization	
							614	Lump	Lump	Maintaining Traffic	

Intersection	Ref. Letter	Pole Location	Design	Height	0° Ref. Span Looking From	1st. Wire Inlet	Controller	Power Service	Pedestrian Sgl. Head 1	Pedestrian Sgl. Head 2	Luminarie Pole Plates	Conduit Ells Angle - Size
Eastbound Ramps	A	Northwest	5	30'	A to B	0°						120° ~ 1"
	B	Southeast	5	30'	B to A	0°	263°	312°				110° ~ 1"
Westbound Ramps	A	Northwest	6	30'	A to B	0°						
	B	Southeast	6	32'	B to A	0°	84°	335°			354°	135° ~ 1"
Curtis Blvd.	A	Southwest	7	32'	A to B	0°						260° ~ 1"
	B	Northeast	6	32'	B to A	0°	180°	275°			34°	305° ~ 1"
Vine Street	A	Northeast	5	32'	A to C	0°	180°	240°	135°	225°	45°	
	B	Southeast	5	32'	B to D	0°			135°	225°	45°	
	C	Southwest	5	32'	C to A	0°			135°	225°	45°	
	D	Northwest	5	32'	D to B	0°			135°	225°	45°	

Orientation angles are measured clockwise from listed reference span. All anchor bolts shall be perpendicular to lines of stress.