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Shipping Parts List							
Ship each pole with the following attached: enlarged hand hole, pole cap, fixed arm connection bolts and washers, and any additional hardware listed in the table.							
Nominal Arm Length	30' Poles with Luminaire	24' Poles with ILSN	19.50' (Single Mast Arm)	20.25' (Dual Mast Arm)	Poles with no Luminaire and no ILSN		
	See note above plus: one (or two if ILSN attached) small hand hole, clamp-on simplex	See note above plus one small hand hole	See note above				
Single Mast Arm							
Lf ft.	Designation	Quantity	Designation	Quantity	Designation	Quantity	
50	50L		50S		50		
55	55L		55S		55		
60	60L		60S		60		
65	65L		65S		65		
Dual Mast Arm							
Lf ft.	Lc ft.	Designation	Quantity	Designation	Quantity	Designation	Quantity
50	20	5020L		5020S		5020	
	24	5024L		5024S		5024	
	28	5028L		5028S		5028	
	32	5032L		5032S		5032	
	36	5036L		5036S		5036	
	40	5040L		5040S		5040	
55	20	5520L		5520S		5520	
	24	5524L		5524S		5524	
	28	5528L		5528S		5528	
	32	5532L		5532S		5532	
	36	5536L		5536S		5536	
	40	5540L		5540S		5540	
60	20	6020L		6020S		6020	
	24	6024L		6024S		6024	
	28	6028L		6028S		6028	
	32	6032L		6032S		6032	
	36	6036L		6036S		6036	
	40	6040L		6040S		6040	
65	20	6520L		6520S		6520	
	24	6524L		6524S		6524	
	28	6528L		6528S		6528	
	32	6532L		6532S		6532	
	36	6536L		6536S		6536	
	40	6540L		6540S		6540	
	44	6544L		6544S		6544	

Foundation Summary Table \*\*

Location Ident.	Avg. N Blow/ft.	No. Each	Drill Shaft *** Length (feet)
BELT LINE AT			48-A
COMMERCIAL DR	10	2	22
SURVEYOR BLVD	10	2	22
RUNYON RD	10	2	22
Total Drill Shaft Length			132

Notes

\*\* Foundations may be listed separately or grouped according to similarity of location and type. Quantities are for the Contractor's information only.

\*\*\* Decimal lengths in Design Table are to allow interpolation for other penetrometer values. Round to nearest foot for entry into Summary Table.

Abbreviations

Lf= Fixed Arm Length

Lc= Clamp-on Arm Length (44' Max.)



*S.P. Booth* 10/24/13

Shipping Parts List							
Traffic Signal Arms (Fixed Mount) (1 per pole)							
Ship each arm with listed equipment attached							
Nominal Arm Length	Type IV Arm (4 Signals)	Luminaire Arms (1 per 30' pole)					
	3 Bracket Assembly and 4 CGB Connectors	Nominal Arm Length		Quantity			
ft.	Designation	Quantity	8' Arm				
50	50IV		ILSN Arm (Max. 2 per pole) Ship with clamps, bolts and washers				
55	55IV	5	Nominal Arm Length		Quantity		
60	60IV	1	7' Arm		USE EXISTING		
65	65IV		9' Arm		USE EXISTING		
Traffic Signal Arms (80 MPH Clamp-On Mount) (1 per pole) Ship each arm with listed equipment attached							
Nominal Arm Length	Type I Arm (1 Signal)	Type II Arm (2 Signals)		Type III Arm (3 Signals)			
	2 CGB connector and 1 clamp w/bolts and washers	1 Bracket Assembly and 3 CGB connectors, and 1 clamp w/bolts and washers		2 Bracket Assembly and 4 CGB connectors, and 1 clamp w/bolts and washers			
ft.	Designation	Quantity	Designation	Quantity	Designation	Quantity	
20	20I-80						
24	24I-80		24II-80				
28	28I-80		28II-80				
32			32II-80		32III-80		
36			36II-80		36III-80		
40					40III-80		
44					44III-80		
Traffic Signal Arms (100 MPH Clamp-On Mount) (1 per pole) Ship each arm with listed equipment attached							
Nominal Arm Length	Type I Arm (1 Signal)	Type II Arm (2 Signals)		Type III Arm (3 Signals)			
	2 CGB connector and 1 clamp w/bolts and washers	1 Bracket Assembly and 3 CGB connectors, and 1 clamp		2 Bracket Assembly and 4 CGB connectors, and 1 clamp			
ft.	Designation	Quantity	Designation	Quantity	Designation	Quantity	
20	20I-100						
24	24I-100		24II-100				
28	28I-100		28II-100				
32			32II-100		32III-100		
36			36II-100		36III-100		
40					40III-100		
44					44III-100		
Anchor Bolt Assemblies (1 per pole)							
Anchor Bolt Diameter	Anchor Bolt Length	Quantity		Each anchor bolt assembly consists of the following: Top and bottom templates, 4 anchor bolts, 8 nuts, 8 flat washers and 4 nut anchor devices (type 2) per Standard Drawing "TS-FD".			
2 1/2 "	5' - 3"	6		Templates may be removed for shipment.			

Texas Department of Transportation  
Traffic Operations Division

## LONG MAST ARM ASSEMBLY PARTS LIST

LMA (5) - 12

Sheet 5 of 5

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REVISIONS		CONT	SECT	JOB	HIGHWAY
4-20-01	1-12	DIST		COUNTY	SHEET NO.