BILL OF MATERIALS (For Information Only)

ITEM	UNIT	APPROX. QUANT.
Traffic Signal Controller w/Cabinet as per Specifications	Each	1
Concrete Base for Traffic Signal Controller (See Detail)	Each	1
Traffic Signal Pole (Joint Use) w/Mast Arm (Steel) as per Specs.	Each	3
Traffic Signal Pole (Std.) w/Mast Arm (Steel) as per Specs.	Each	1
Concrete Base for Traffic Signal Pole (See Detail)	Each	4
Five Section Traffic Signal Head (3@8" & 2@12") as per Specs.	Each	4
Three Section Traffic Signal Head (3@12") as per Specifications	Each	8
Two Section Traffic Signal Head (12" Pedestrian) as per Specs.	Each	8
Traffic Signal Head Mounting Bracket for Mast Arm Mount (Type I)	Each	12
Pedestrian Signal Pole (Steel) as per Specifications	Each	4
Pedestrian Signal Mounting Bracket (See Detail)	Each	4
Traffic Signal Head Mounting Bracket for Side of Pole Mount (Type II)	Each	4
Traffic Signal Lamp (135 W)	Each	48
Traffic Signal Lamp (60 W)	Each	12
Pedestrian Push Button, Sign & Mounting Hardware	Each	8
Ground Rod and Clamp	Each	10
Meter Box	Each	1
Power Disconnect Box (40 Amp)	Each	1
Weather Head	Each	1
Microloop Units and Cable per City Standards	Each	32
Multi-Conductor Cable 5/C #14 AWG	L.F.	700
Multi-Conductor Cable 7/C #14 AWG	L.F.	2400
Power Supply Wire (Type THNN) #6 AWG	L.F.	300
Ground Wire (Green) #8 AWG	L.F.	750
Loop Detector Wire (Type HNN) #14 AWG 1/C	L.F.	2000
Sheilded Loop Detector Lead – In Cable #14 AWG 2/C	L.F.	4000
Service Box (See Detail and Summary)	Each	4
Junction Box (See Detail and Summary)	Each	12
"Left Turn Yield on G Solid Green Ball" Sign (R10-12) and Mounting Hardware	Each	4
Reflective Street Name Sign as per Specs. and Mounting Hardware	Each	4
3" Conduit RGC	L.F.	500
2" Conduit RGC	L.F.	200
1 1/4" Conduit RGC	L.F.	550
3/4" Conduit RGC	L.F.	750
1" Conduit RGC	L.F.	135

Note:
The Contractor shall supply and install all necessary materials and equipment for the complete operation of the traffic signal whether specifically mentioned or not.

Note:
The Traffic Signal Installation shall be bid as Lump Sum.

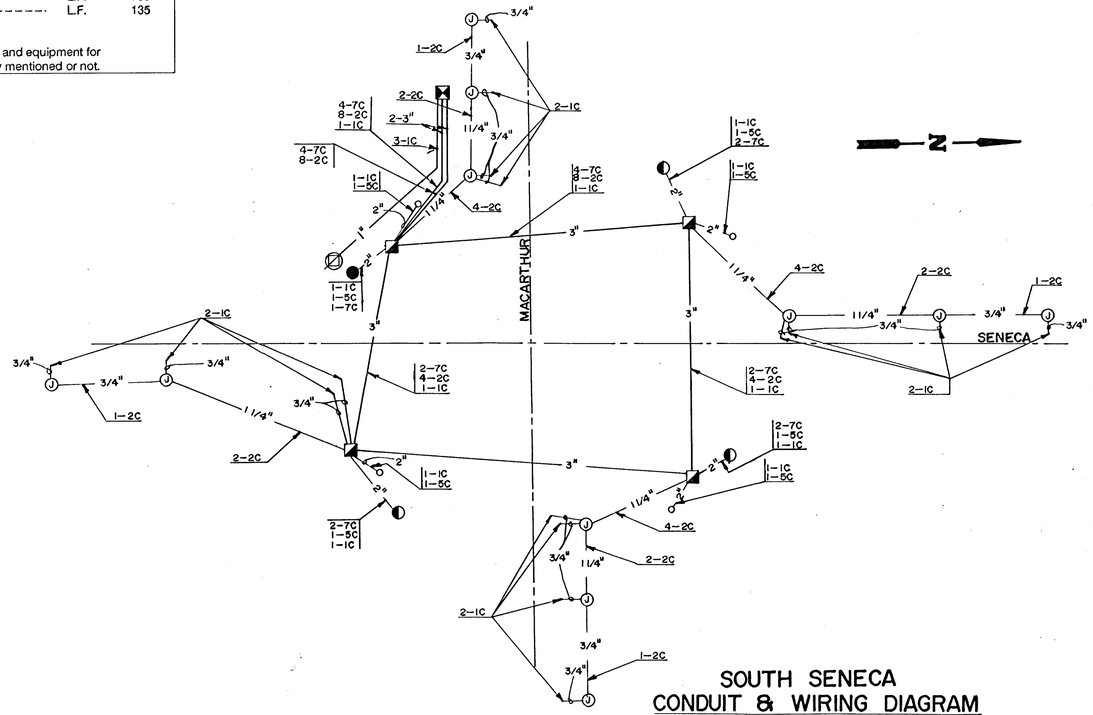
TRAFFIC SIGNAL POLE SUMMARY

STATION	TYPE	NO. OF ARMS	LENGTH	SIGNALS ON ARM	X1	X2	OTHER EQUIP. ON ARM	SIGNALS ON POLE
115+06L	B	1	40'	3	8	11	C,D	E
118+35R	A	1	40'	3	8	11	C,D	E
99+28L	A	1	42'	3	8	11	C,D	E
100+62R	A	1	40'	3	8	11	C,D	E
115+16R	F	–	–	–	–	–	–	E
115+27L	F	–	–	–	–	–	–	E
118+13R	F	–	–	–	–	–	–	E
118+28L	F	–	–	–	–	–	–	E

A Joint Use Steel Pole with Mastarm
B Standard Steel Pole with Mastarm
C Protected Turn Signal
D Street Name Sign
E Pedestrian Signal with Push Button
F Standard Pedestrian Alum. Pole

TRAFFIC SIGNAL HEAD SUMMARY

SIGNAL NO.	TYPE	SIZE	MOUNTING ASSEMBLY	QUANTITY
1	K	3@8" 2@12"	C	1
2	A	3@12"	C	2
3	K	3@8" 2@12"	C	1
4	A	3@12"	C	2
5	K	2@12" 3@8"	C	1
6	A	3@12"	C	2
7	K	3@8" 2@12"	C	1
8	A	3@12"	C	2
9A	L	12"	B	1
9B	L	12"	G	1
10A	L	12"	B	1
10B	L	12"	G	1
11A	L	12"	B	1
11B	L	12"	G	1
12A	L	12"	B	1
12B	L	12"	G	1



SOUTH SENECA
CONDUIT & WIRING DIAGRAM

Street Name Sign Summary	
Legend	Quant.
Seneca	2
MacArthur	2
Total	4

SOUTH SENECA IMPROVEMENTS

TRAFFIC SIGNAL SUMMARY

48TH. TO MACARTHUR

Design
Drawn by
Checked by
Date
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
636-5566