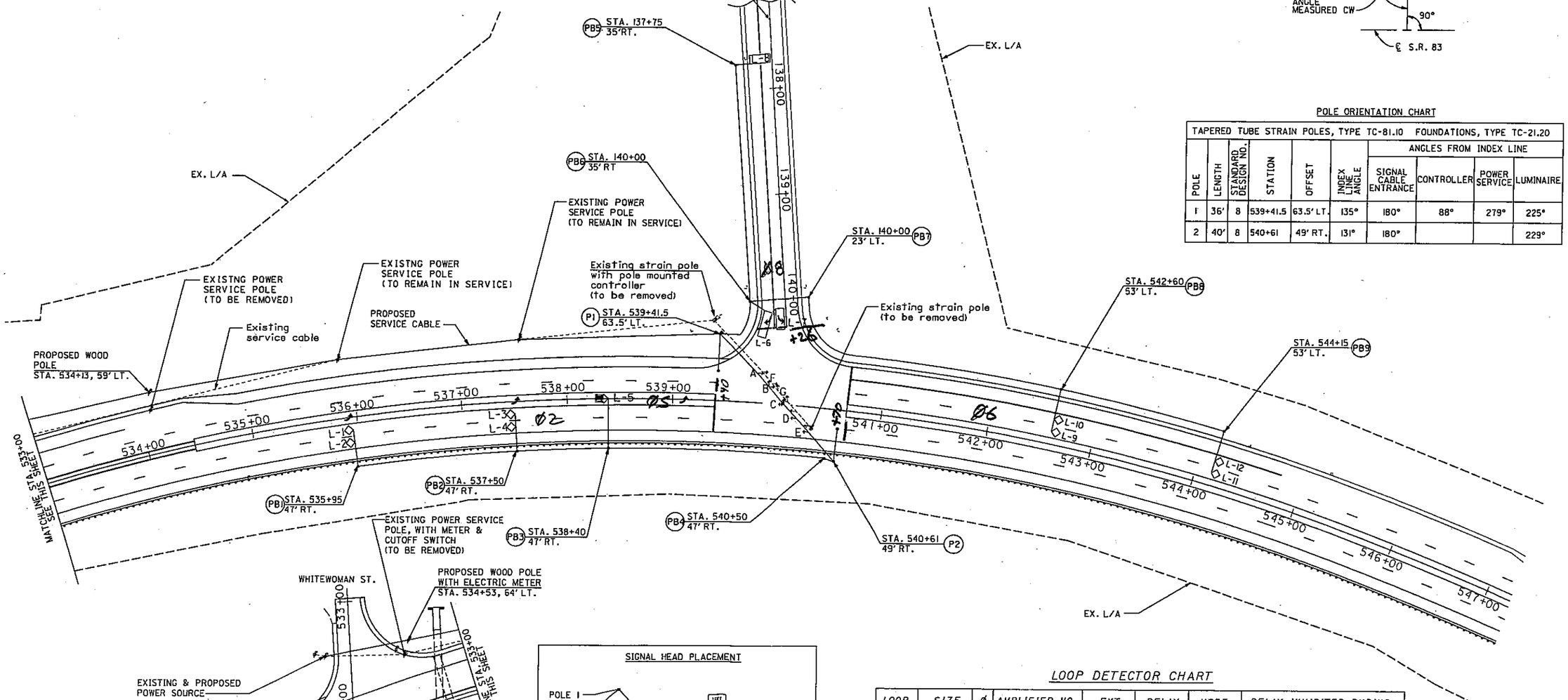
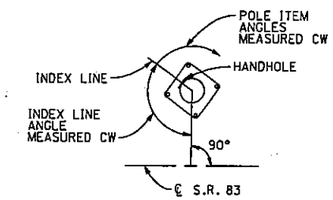
SIGNAL DETAIL @ S.R. 16 & U.S. 36



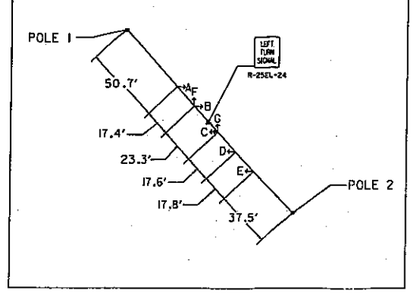
POLE DIAGRAM



POLE ORIENTATION CHART

TAPERED TUBE STRAIN POLES, TYPE TC-81.10 FOUNDATIONS, TYPE TC-21.20									
POLE	LENGTH	STANDARD DESIGN NO.	STATION	OFFSET	INDEX LINE ANGLE	ANGLES FROM INDEX LINE			
						SIGNAL CABLE ENTRANCE	CONTROLLER	POWER SERVICE	LUMINAIRE
1	36'	8	539+41.5	63.5' LT.	135°	180°	88°	279°	225°
2	40'	8	540+61	49' RT.	131°	180°			229°

SIGNAL HEAD PLACEMENT



LOOP DETECTOR CHART

LOOP	SIZE	Ø	AMPLIFIER NO.	EXT.	DELAY	MODE	DELAY INHIBITED DURING
L-1	6 x 6	2	1			PULSE	
L-2	6 x 6	2	1			PULSE	
L-3	6 x 6	2	2			PULSE	
L-4	6 x 6	2	2			PULSE	
L-5	6 x 6	1	3	3.0 Sec.		PRESENCE	
L-6	20 x 8	3	4		5 Sec.	PRESENCE	
L-7	20 x 8	3	5		3 Sec.	PRESENCE	
L-8	20 x 8	3	6		2 Sec.	PRESENCE	Ø3 GRN
L-9	6 x 6	2	7			PULSE	
L-10	6 x 6	2	7			PULSE	
L-11	6 x 6	2	8			PULSE	
L-12	6 x 6	2	8			PULSE	

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED

CHECKED

TRAFFIC SIGNAL DETAIL SHEET
S.R. 16 & U.S. 36

COS-16-9.84
COS-36-20.06

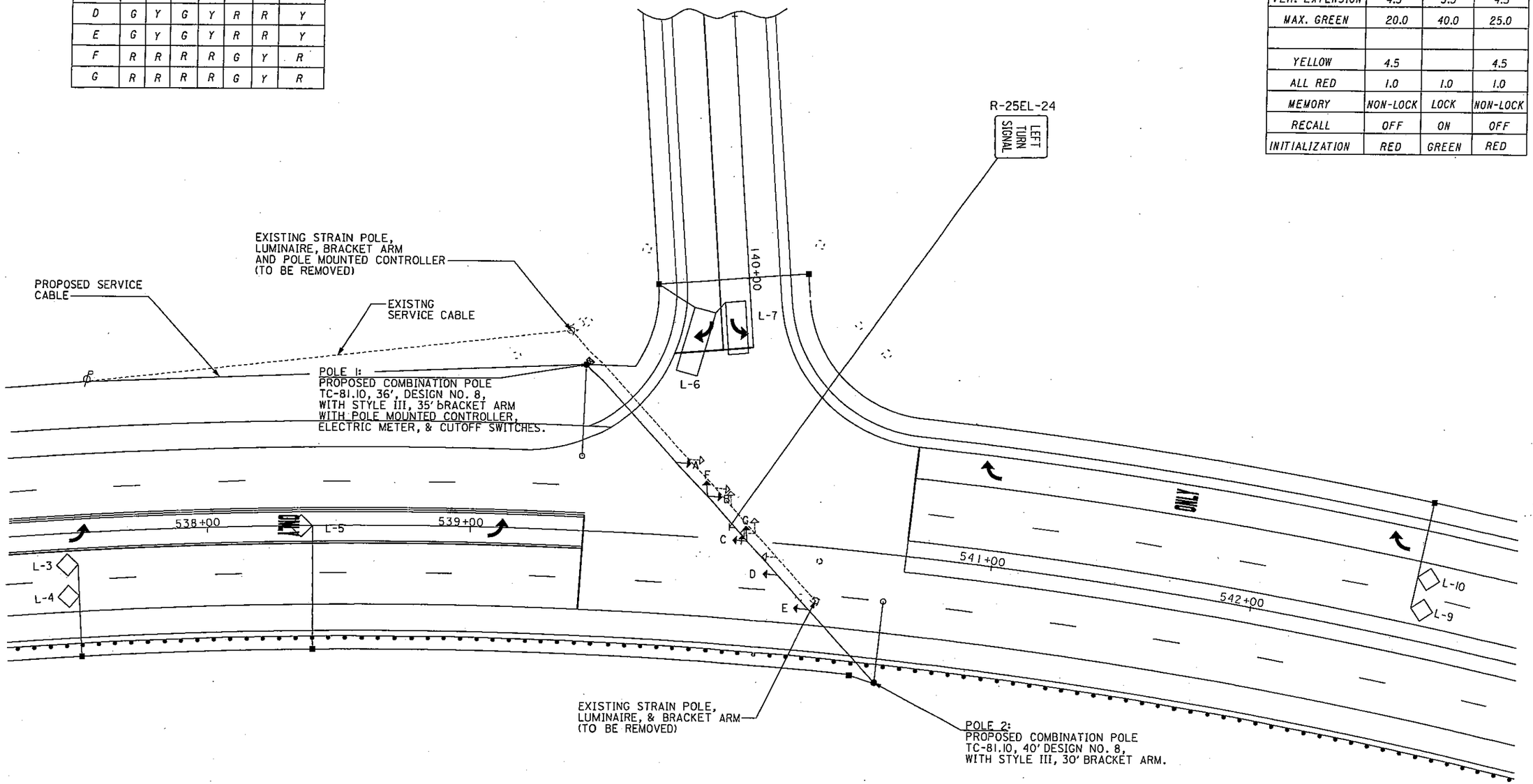
C0160067.DGN 07/24/96

SIGNAL DISPLAY SCHEDULE

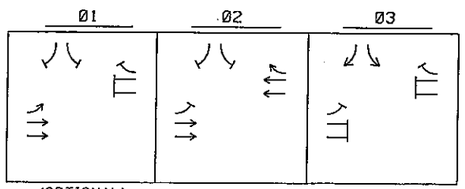
PHASE	Ø1		Ø2		Ø3		FLASH
HEAD	R/W	C/L	R/W	C/L	R/W	C/L	
A	R	R	G	Y	R	R	Y
B	R	R	G	Y	R	R	Y
C	~~G~~	~~Y~~	R	R	R	R	~~Y~~
D	G	Y	G	Y	R	R	Y
E	G	Y	G	Y	R	R	Y
F	R	R	R	R	G	Y	R
G	R	R	R	R	G	Y	R

SIGNAL TIMING

INTERVAL	Ø1	Ø2	Ø3
MIN. GREEN	12.0	15.0	12.0
VEH. EXTENSION	4.5	3.5	4.5
MAX. GREEN	20.0	40.0	25.0
YELLOW	4.5		4.5
ALL RED	1.0	1.0	1.0
MEMORY	NON-LOCK	LOCK	NON-LOCK
RECALL	OFF	ON	OFF
INITIALIZATION	RED	GREEN	RED

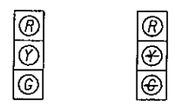


SIGNAL PHASING



(OPTIONAL)

SIGNAL INDICATIONS
ALL 12" LENS



Signal: A,B,D,E,F,G Signal: C

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED

CHECKED

TRAFFIC SIGNAL DETAIL SHEET
S.R. 16 & U.S. 36

COS-16-9.84
COS-36-20.06

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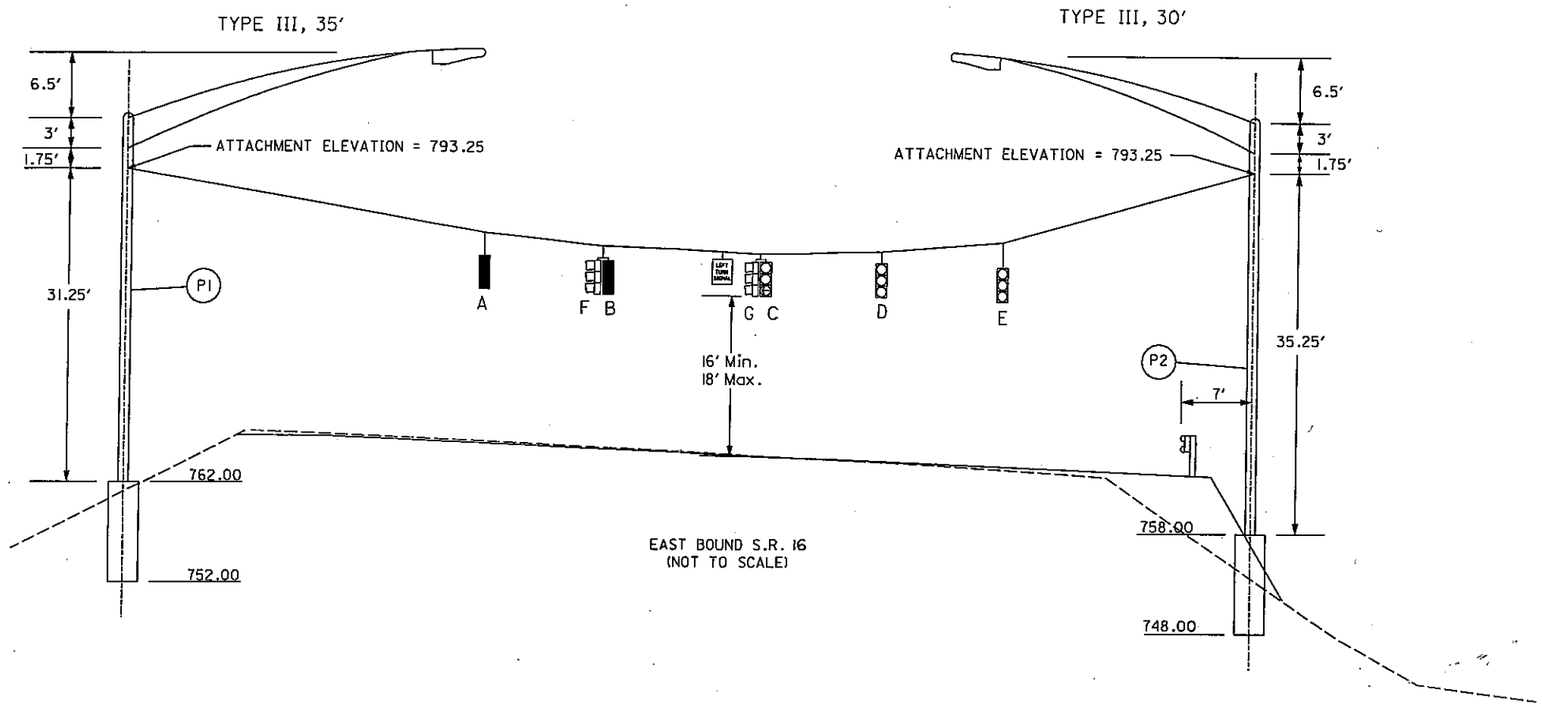
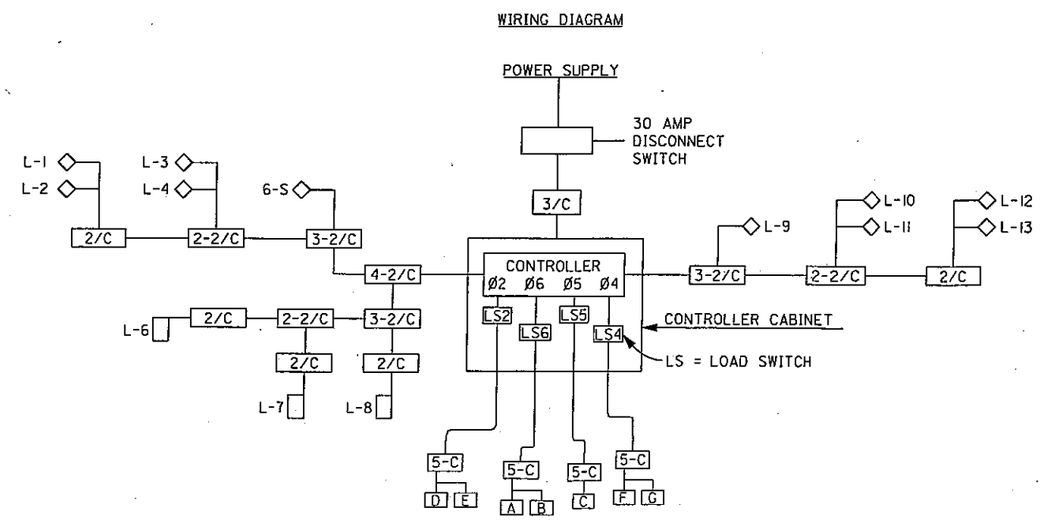
SIGNAL PROFILE @ S.R. 16 & U.S. 36





CONCRETE FOR ANCHOR BASE FOUNDATIONS

P1
$3' \times 3' \times .5' = 4.5\ ft^3$
$3.14 \times 1.5' \times 1.5' \times 9.5' = 67.15\ ft^3$
$(4.5\ ft^3 + 67.15\ ft^3)/27 = 2.65$ CU.YD.

P2
$3' \times 3' \times .5' = 4.5\ ft^3$
$3.14 \times 1.5' \times 1.5' \times 9.5' = 67.15\ ft^3$
$(4.5\ ft^3 + 67.15\ ft^3)/27 = 2.65$ CU.YD.

TOTALS CARRIED TO TRAFFIC SIGNAL SUB-SUMMARY

CALCULATED
CHECKED

TRAFFIC SIGNAL PROFILE SHEET
S.R. 16 & U.S. 36

COS-16-9.84
COS-36-20.06

C0160D67.DGN 07/25/96