

FHWA REG. NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0199-01	2002	115	158

FED. AID NO. - CMQ-N019 (901)

LEGEND

- PROPOSED CURB AND GUTTER
- STEEL SIGNAL POLE AND MASTARM
- SIGNAL HEAD (PHASE)
- PEDESTRIAN SIGNAL AND PUSHBUTTON
- CONTROLLER
- SERVICE BOX
- JUNCTION BOX
- CONDUIT
- VEHICLE DETECTION ZONE
- VIDEO DETECTION CAMERA

SIGNAL FACE SUMMARY

PHASE	TYPE	# REQD
1	C	2
2	A, L, A	3, 2, 1*
3	I	1
4	A, A, L	3, 1*, 2
5	I	2
6	A, A, L	2, 1*, 2
7	C	1
8	A, A, L	3, 1*, 2

* Mount Head on Signal Pole

TYPE A TYPE C TYPE I TYPE J TYPE K

VEHICLE DETECTOR SUMMARY

CAMERA NO.	ZONE NO.	SIZE (W x L)	PHASE CALLED
7	1A	1.8m x 18.3m	1
7	1B	1.8m x 18.3m	1
3	2A	1.8m x 8.3m	2
3	2B	1.8m x 8.3m	2
8	2C	1.8m x 8.3m	2
1	3A	1.8m x 18.3m	3
5	4A	1.8m x 8.3m	4
5	4B	1.8m x 8.3m	4
2	4C	1.8m x 8.3m	4
5	4D	1.8m x 3.0m	4
5	4E	1.8m x 1.8m	4
3	5A	1.8m x 18.3m	5
3	5B	1.8m x 18.3m	5
7	6A	1.8m x 4.9m	6
7	6B	1.8m x 4.9m	6
4	6C	1.8m x 4.9m	6
7	6D	1.8m x 3.0m	6
7	6E	1.8m x 1.8m	6
5	7A	1.8m x 18.3m	7
1	8A	1.8m x 8.3m	8
1	8B	1.8m x 8.3m	8
6	8C	1.8m x 8.3m	8
1	8D	1.8m x 3.0m	8
1	8E	1.8m x 1.8m	8

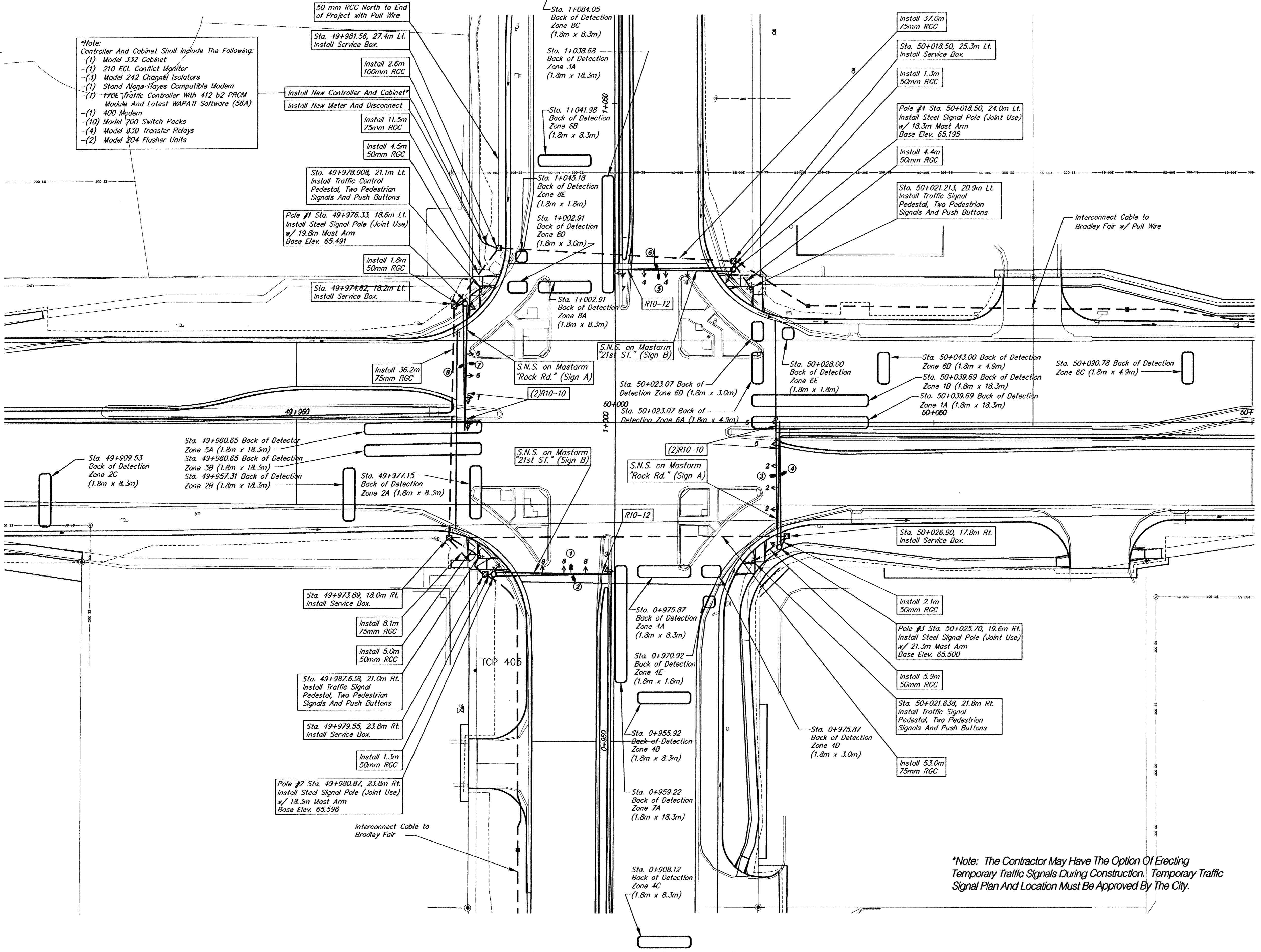
PHASE DIAGRAM

N 21st STREET TRAFFIC SIGNAL PLAN STA. 49+900 - 50+100

Omaha Office
10844 Old Mill Rd., Ste 1
Omaha, NE 68154
Phone: (402) 335-5792
Fax: (402) 335-2849

Designed By: BWE Checked By: RJK
Drawn By: TS Date: 03-25-2002 Job No. 55-70-2003

Note:
Controller And Cabinet Shall Include The Following:
 (1) Model 332 Cabinet
 (1) 210 ECL Conflict Monitor
 (3) Model 242 Chagnel Isolators
 (1) Stand Alone Hayes Compatible Modem
 (1) 170E Traffic Controller With 412 b2 PROM Module And Latest WAPATI Software (56A)
 (1) 400 Modem
 (10) Model 200 Switch Packs
 (4) Model 330 Transfer Relays
 (2) Model 204 Flasher Units



*Note: The Contractor May Have The Option Of Erecting Temporary Traffic Signals During Construction. Temporary Traffic Signal Plan And Location Must Be Approved By The City.