

DESIGN FILE: I:\FIELD\NEV\ELECTRICAL\SIGNAL\DGN\R430&Stewart.dgn
WORKSTATION: cloughre DATE: 7/14/2014

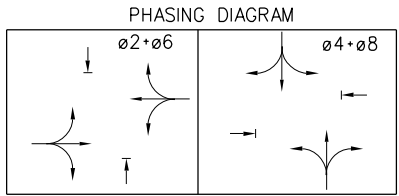
MATERIAL REQUIRED-PROJ. NO. 43-01

REF.NO.	ITEM	QTY.	UNITS	DESCRIPTION
4	625	7	EACH	CONNECTOR KIT, TYPE VIII, CU
5	625	1	EACH	LIGHTPOLE FOUNDATION, 24" x 6', AS PER PLAN
7	625	302	LIN. FT.	CONDUIT, 713.04, 1 1/2"
8	625	212	LIN. FT.	CONDUIT, 713.04, 2"
9	625	86	LIN. FT.	CONDUIT, 713.04, 3"
10	625	65	LIN. FT.	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 2"
11	625	40	LIN. FT.	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
15	625	6	EACH	PULL BOX, 713.08, 18"
18	625	3	EACH	GROUND ROD, AS PER PLAN
26	631	1	EACH	PHOTOELECTRIC CONTROL
27	631	1	EACH	SIGN FLASHER ASSEMBLY, AS PER PLAN
32	632	2	EACH	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 2-WAY*
30	632	5	EACH	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 1-WAY*
39	632	6	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
40	632	1	EACH	LOOP DETECTOR TIE IN, AS PER PLAN
41	632	87	LIN. FT.	MESSENGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES
42	632	653	LIN. FT.	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG
44	632	532	LIN. FT.	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
47	632	2	EACH	STRAIN POLE FOUNDATION, AS PER PLAN
49	632	1176	LIN. FT.	LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG
51	632	40	LIN. FT.	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
53	632	1	EACH	POWER SERVICE, AS PER PLAN
72	632	1	EACH	SIGNALIZATION, MISC.: METER BASE, 100 AMP WITH BYPASS
76	632	2	EACH	SIGNALIZATION, MISC.: STEEL STRAIN POLE, 7.5" DIAMETER, 10.5' BOLT CIRCLE, 11 GAGE, 15', AS PER PLAN
77	632	2	EACH	SIGNALIZATION, MISC.: STRAIN POLE, TYPE TC-81.10, INSTALLATION ONLY, AS PER PLAN
81	632	1054	LIN. FT.	SIGNALIZATION, MISC.: LOOP DETECTOR WIRE, TYPE E, AS PER PLAN
101	632	87	LIN. FT.	TETHER WIRE, 1/4" DIAMETER
87	633	1	EACH	CONTROLLER, ACTUATED, 8 PHASE, SOLID STATE DIGITAL MICROPROCESSOR, AS PER PLAN, WITH INTERNAL TIME BASE COORDINATION
91	633	12	SQ. FT.	CONTROLLER WORK PAD (3' x 4')
92	633	1	EACH	FLASHER CONTROLLER

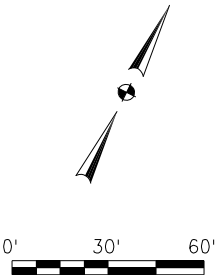
* W/ TUNNEL VISORS

POLE NO. P-1
STA. 388+22, 38' LT.
DESIGN NO. 7, 30'

CURVE DATA
R=572.96'
Δ=16°58'29"
L=169.75'
T=85.50'
Brg.=N 62°08'26" E
Chd.=169.13'
Dc=10°00'00"

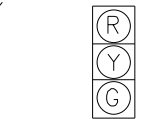


NOTE: PHASES 1, 3, 4, 5 AND 7 NOT USED.



FLASHER OPERATION

YELLOW TO S.R. 430
RED TO STEWART ROAD
SIGNAL NO. RIC-430-0727S
INSTALLATION DATE 5-25-83
FILE NO. 3077
OSIS NO. 9682



SIGNAL INDICATIONS

① ② ③ ④ ④A
⑤ ⑥ ⑦ ⑧
ALL LENS 12"

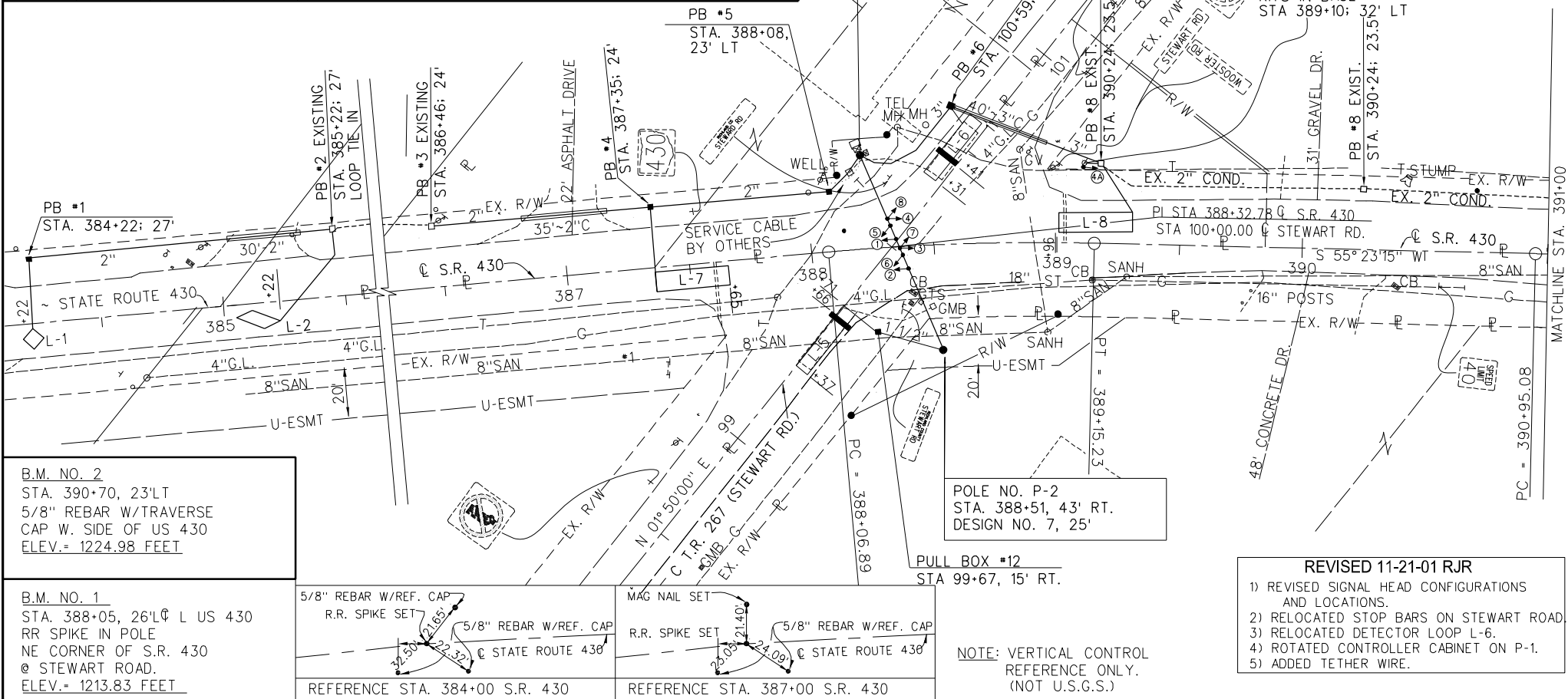
LOOP DETECTOR CHART

LOOP	SIZE (FT.)	NO. OF TURNS	MODE	DELAY (SEC.)	CONNECT TO DETECTOR UNIT NO.	ASSOCIATED CONTROLLER PHASE	COMMENTS
L - 1	6' X 6'	4	PULSE		1	2	PROP. LOOP
L - 2	A=4.5'	4	PULSE		1	2	ADD LOOP
L - 3	6' X 6'	4	PULSE		2	6	PROP. LOOP
L - 4	6' X 6'	4	PULSE		2	6	PROP. LOOP
L - 5	30' X 6'	3	PRESENCE	8 SEC (+)	3	4	PROP. LOOP
L - 6	20' X 6'	3	PRESENCE	8 SEC (+)	4	8	PROP. LOOP
L - 7	30' X 8'	3	PRESENCE	8 SEC (+)	5	2	PROP. LOOP Ø 2 CALL
L - 8	30' X 8'	3	PRESENCE	8 SEC (+)	6	6	PROP. LOOP Ø 2 CALL

(+)- INHIBIT DURING ASSOCIATED GREEN.

REVISED BY RJR
12-3-01

DATE	REVISIONS	DATE INSTALLED	OHIO DEPARTMENT OF TRANSPORTATION		
4-01	SIGNAL REBUILD PER PROJECT 43-01	3-5-02	ELECTRICAL INSTALLATION LOCATED AT		
1-28-09	REVISED SIGNAL NO. SLM AND ADDED OSIS NO.	-	S.R. 430 AND STEWART ROAD		
7-14-14	Replace loop L-2	7/2014	DISTRICT 3 COUNTY RICHLAND		
			PREPARED BY:	DRAWN	REVISED
			RICHLAND ENGINEERING LTD.	PH	



B.M. NO. 2
STA. 390+70, 23' LT
5/8" REBAR W/TRaverse
CAP W. SIDE OF US 430
ELEV.= 1224.98 FEET

B.M. NO. 1
STA. 388+05, 26' L US 430
RR SPIKE IN POLE
NE CORNER OF S.R. 430
Ø STEWART ROAD.
ELEV.= 1213.83 FEET

5/8" REBAR W/REF. CAP
R.R. SPIKE SET

MAG NAIL SET
R.R. SPIKE SET

REFERENCE STA. 384+00 S.R. 430

REFERENCE STA. 387+00 S.R. 430

NOTE: VERTICAL CONTROL
REFERENCE ONLY.
(NOT U.S.G.S.)

REVISED 11-21-01 RJR

- 1) REVISED SIGNAL HEAD CONFIGURATIONS AND LOCATIONS.
- 2) RELOCATED STOP BARS ON STEWART ROAD.
- 3) RELOCATED DETECTOR LOOP L-6.
- 4) ROTATED CONTROLLER CABINET ON P-1.
- 5) ADDED TETHER WIRE.