

LOOP DETECTOR CHART			DISTANCE FROM STOP LINE
DESIGNATION	SIZE	FUNCTION	
D1-1	2 - 6' x 6'	(1)	2', 32'
D1-2	2 - 6' x 6'	(1)	-13', 17'
D2-1	1 - 6' x 6'	(1)	300'
D2-2	1 - 6' x 6'	(1)	300'
D4-1	1 - 6' x 6'	(3)	120'
D4-2	2 - 6' x 6'	(1)	0', 9'
D4-3	1 - 6' x 6'	(7)	7'
D4-4	1 - 6' x 10'	(7)	-2'
D5-1	2 - 6' x 6'	(1)	4.5', 34'
D5-2	2 - 6' x 6'	(1)	-11', 19'
D6-1	1 - 6' x 6'	(1)	300'
D6-2	1 - 6' x 6'	(1)	300'
D8-1	1 - 6' x 6'	(3)	180'
D8-2	3 - 6' x 6'	(7)	-18', -3', 12'
D8-3	1 - 6' x 6'	(7)	-25'

FUNCTIONS:
 (1) - CALL AND EXTEND
 (3) - EXTEND ONLY
 (7) - IMMEDIATE EXTEND, DELAY CALL

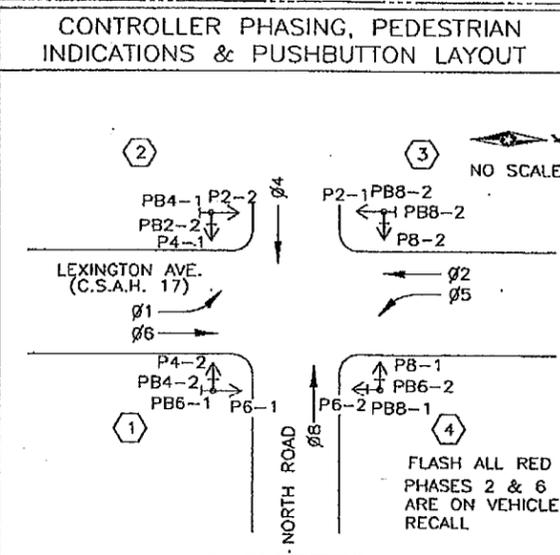
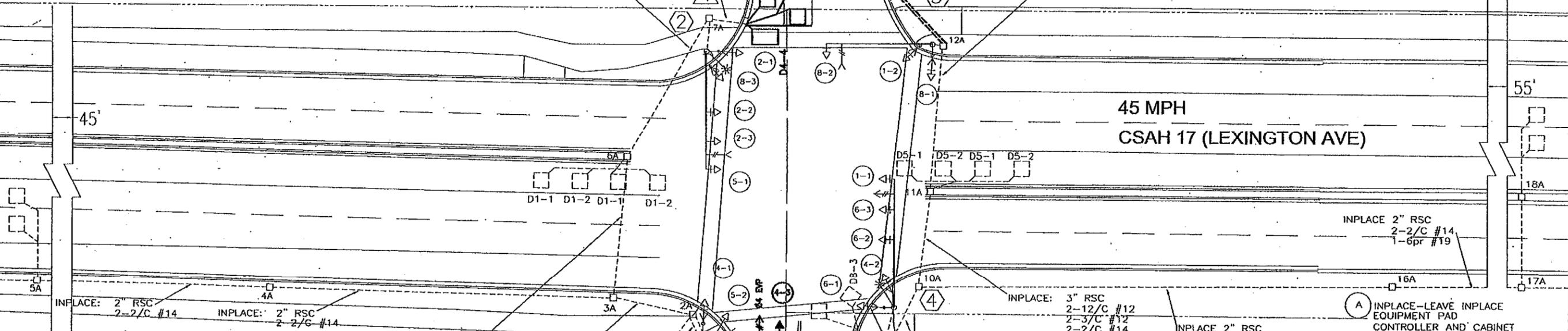
② INPLACE-LEAVE INPLACE
 TYPE PA100-A50-D40-9 (DAVIT AT 350°)
 PA100 POLE FOUNDATION
 3 - ONE WAY SIGNALS (OVERHEAD)
 (0', 11' AND 23' FROM END OF MAST ARM)
 ONEWAY EVP DETECTOR AND LIGHT
 (6' FROM END OF MAST ARM), 3/4" HUB
 TYPE 10B AT 0°
 TYPE 10B AT 270°
 LUMINAIRE - 250 WATT H.P.S. W/PEC & CHECK SWITCH
 2 - PEDESTRIAN PUSH BUTTON & SIGN
 3" RSC INTO HH 7A
 2-12/C #12
 4-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20
 1-NYLON ROPE

INPLACE: 3" RSC
 2-12/C #12
 4-3/C #12
 1-3/C #12 (LUM)
 1-3/C #20
 1-NYLON ROPE
 F&I: 3-2/C #14

- NOTES:
- THIS PROJECT SHALL CONSIST OF INSTALLING A 30' MAST ARM ON EXISTING POLE 1, F&I VEHICLE HEAD 4-3, F&I LOOPS D4-1, D4-2, D4-3, AND D4-4, AND F&I EVP EQUIPMENT ON POLE 1. THE REMAINDER OF THE SIGNAL SYSTEM SHALL NOT BE MODIFIED.
 - VEHICLE HEAD 4-3 SHALL BE A 12" 3-SECTION R-Y-G WITH LED INDICATIONS.
 - SEE SPECIAL PROVISIONS FOR COUNTY FURNISHED EQUIPMENT.
 - EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD.
 - A 3/4" HALF COUPLING, 3/4" PIPE NIPPLE AND CONDUIT OUTLET BODY FOR EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE MOUNTED 6" FROM THE END OF NEW MASTARM 1. A 3/C #20 SHALL BE WIRED DIRECT TO THE CONDUIT OUTLET BODY AND 2-1/C #14 SHALL BE WIRED FROM THE TERMINAL BLOCK IN THE SIGNAL BASE TO THE CONDUIT OUTLET BODY.
 - THE EXACT LOCATION OF HANDHOLES AND LOOP DETECTORS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 - SEE SPECIAL PROVISIONS FOR HANDHOLE TYPE.
 - SEE SPECIAL PROVISIONS FOR CONTRACTOR RESPONSIBILITY FOR LOCATION OF UTILITIES.
 - NEW VEHICLE HEAD 4-3 SHALL HAVE RED LED AND INCANDESCENT YELLOW AND GREEN INDICATIONS.

③ INPLACE-LEAVE INPLACE
 TYPE PA90-A30
 PA100 POLE FOUNDATION
 1 - ONE WAY SIGNALS (OVERHEAD)
 (0' FROM END OF MAST ARM)
 ONEWAY EVP DETECTOR AND LIGHT
 (6' FROM END OF MAST ARM), 3/4" HUB
 TYPE 10B AT 0°
 TYPE 10B AT 270°
 2 - PEDESTRIAN PUSH BUTTON & SIGN
 3" RSC INTO HH 12A
 2-12/C #12
 2-3/C #12
 1-3/C #20
 1-NYLON ROPE

INPLACE: 3" RSC
 2-12/C #12
 2-3/C #12
 1-3/C #20
 1-NYLON ROPE
 F&I: 1-2/C #14



INPLACE: 3" RSC
 2-12/C #12
 4-3/C #12
 1-3/C #12 (LUM)
 3-12/C #14
 1-3/C #20
 1-NYLON ROPE
 F&I: 3-2/C #14

INPLACE: 3" RSC
 2-12/C #12
 4-3/C #12
 1-3/C #12 (LUM)
 5-2/C #14
 1-3/C #20
 1-NYLON ROPE
 F&I: 3-2/C #14

INPLACE: 2" RSC
 1-3/C #12 (LUM)
 F&I: 1-2/C #14

INPLACE: 4" RSC
 4-12/C #12
 6-3/C #12
 1-3/C #12 (LUM)
 6-2/C #14
 2-3/C #20
 1-6pr #19
 F&I: 1-2/C #14

INPLACE: 3" RSC
 2-12/C #12
 4-3/C #12
 1-3/C #12 (LUM)
 3-1/C #4
 F&I: 3-1/C #4

INPLACE: 3" RSC
 2-12/C #12
 2-3/C #12
 4-2/C #14
 1-3/C #20
 1-6pr #19
 F&I: 1-2/C #14

INPLACE: 3" RSC
 2-12/C #12
 2-2/C #14
 1-3/C #20
 F&I: 1-2/C #14

INPLACE: 2" RSC
 2-2/C #14
 1-6pr #19

INPLACE: 3" RSC
 2-12/C #12
 2-2/C #14
 1-3/C #20
 F&I: 1-2/C #14

INPLACE: 2" RSC
 2-2/C #14
 1-6pr #19

INPLACE: 1 1/2" RSC
 1-2/C #14

INPLACE: 3" RSC
 2-12/C #12
 2-2/C #14
 1-3/C #20
 1-6pr #19
 F&I: 1-2/C #14

S.O.P. NSP WOOD POLE (INP.)
 2" RISER AND WEATHERHEAD
 3-1/C #6
 POLE TO HH 15A
 2" RSC
 3-1/C #6

INPLACE-LEAVE INPLACE
 EQUIPMENT PAD
 CONTROLLER AND CABINET
 CONTROLLER CABINET TO HH 1A
 4" RSC
 4-12/C #12
 6-3/C #12
 6-2/C #14
 2-3/C #20
 1-pr #19
 F&I: 1-2/C #14
 CONTROLLER CABINET TO HH 2A
 4" RSC
 4-12/C #12
 6-3/C #12
 5-2/C #14
 2-3/C #20
 1-NYLON ROPE
 F&I: 3-2/C #14
 CONTROLLER CABINET TO HH 13A
 2" RSC
 3-1/C #6
 STUB 2-3" RSC AND CAP

INPLACE-LEAVE INPLACE
 SERVICE CABINET WITH FOUNDATION
 SERVICE CABINET TO HH 14A (SERVICE)
 2" RSC
 3-1/C #6
 SERVICE CABINET TO HH 1A (LIGHTING)
 2" RSC
 2-3/C #12 (LUM)
 SERVICE CABINET TO HH 13A (SERVICE)
 2" RSC
 3-1/C #6

Wenck
 PROFESSIONAL ENGINEERING
 LICENSE NO. 1500-05
 DATE: 10/20/11
 SCALE: AS SHOWN
 CHECKED BY: [Signature]
 JOB NUMBER: 1500-05
 SHEET 3 OF 10
 CS&H 17/NORTH ROAD INTERSECTION LAYOUT

