PHASING DIAGRAM DETECTION LEGEND

PEDESTRIAN MOVEMENT

ASC/3 RR PR	EEMPT
FUNCTION	PRE 1
Exit Phase(s)	2,6
Preempt Override	ON
Delay Time	0
Ped Clear Through Yellow	Y
Terminate Phases	N
Track Clear Reservice	Y
Entrance Walk	255 *
Entrance Ped Clear	255 *
Entrance Min Green	1
Entrance Yellow Change	25 . 5*
Entrance Red Clear	25 . 5*
Track Clear Min Green	10
Track Clear Yellow Change	25.5*
Track Clear Red Clear	25.5*
Min Dwell Time	10
Exit Yellow Change	25.5*
Exit Red Clear	25.5 *

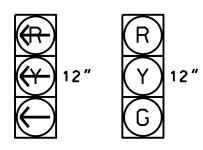
* Allows normal phase times to be used.

	ASC/3	TIMING	G CHAR	Т				
	PHASE							
FEATURE	2	4	5	6	8			
Min Green *	10	7	7	10	7			
Walk *	7	7	-	7	7			
Ped Clear	14	21	-	16	18			
Veh. Extension *	3.0	1.0	1.0	3.0	1.0			
Max 1 *	50	30	20	50	30			
Yellow	3.8	3.8	3.2	3.0	3.8			
Red Clear	3.0	2.1	3 . 5	3.4	2.1			
Actuations B4 Add *	-	-	=	-	-			
Seconds /Actuation *	-	-	-	-	-			
Max Initial *	-	-	-	-	-			
Time Before Reduction *	-	-	-	-	-			
Time To Reduce *	-	-	-	-	-			
Minimum Gap	-	-	-	-	-			
Locking Detector	X	-	-	X	-			
Recall Position	VEH. RECALL	-	-	VEH. RECALL	-			
Dual Entry	-	Х	-	-	X			
Simultaneous Gap	X	х	X	x	X			

^{*} These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

SIGNAL FACE I.D.

All Heads L.E.D.



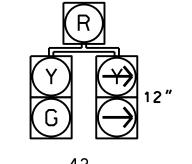
21,22 41

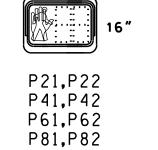
61,62 81,82

TABLE OF OPERATION

P41, P42 DW DW W W

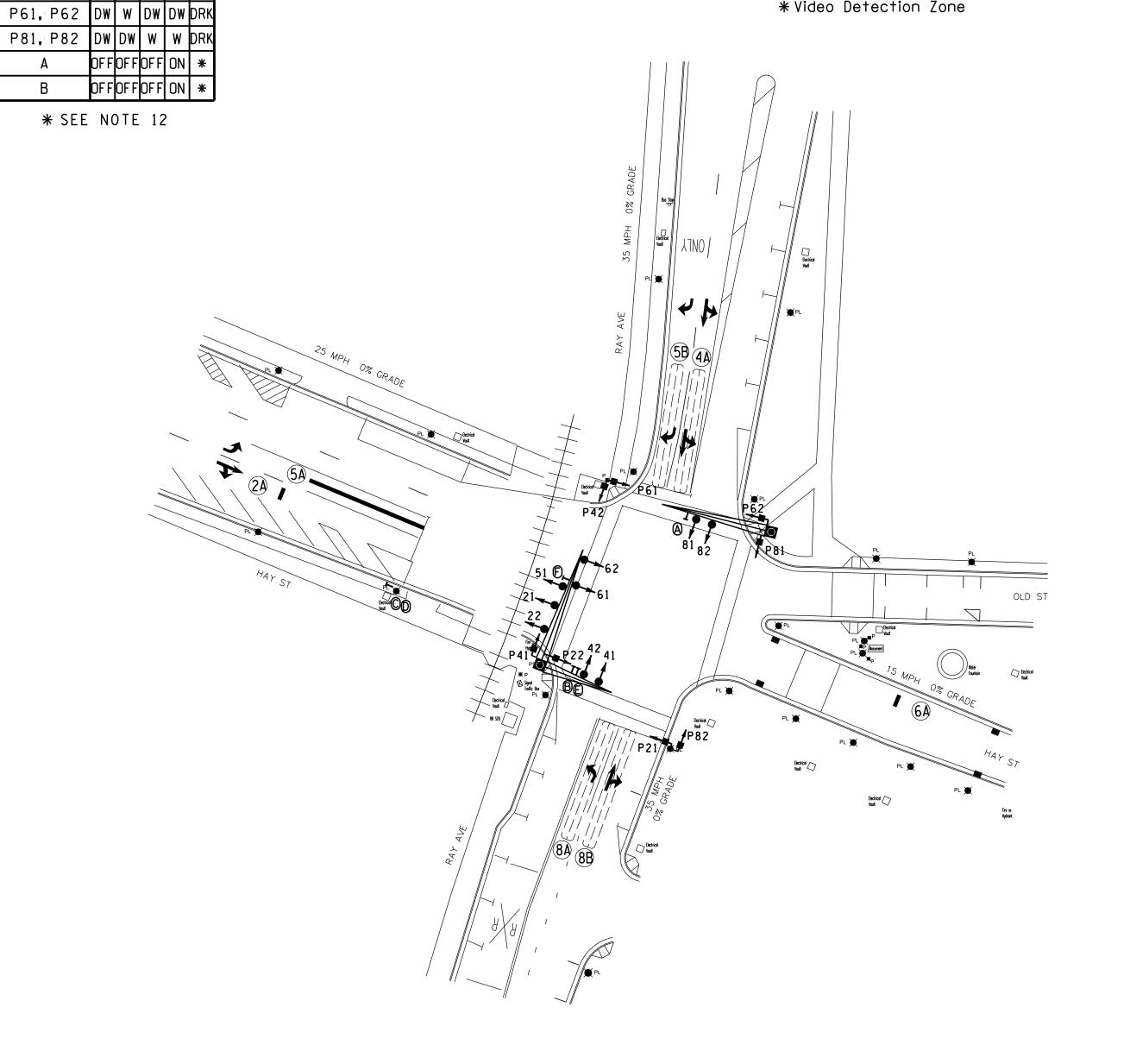
SIGNAL





ASC/3 DETECTOR INSTALLATION CHART											
	DETECTOR				PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
2·A	6X6	70	*	-	2	Yes	-	-	S	1	N
4·A	6X60	0	2-4-2	-	4	Yes		3	S	-	Υ
5·A	6X60	0	*	-	5	Yes		3	S	-	N
5B	5B 6X60 0	0	2-4-2	-	5	Yes	1	15	S	-	Υ
JD			2 7 2	-	4	Yes	ı	1	G	-	Υ
6·A	6X6	70	*	-	6	Yes	<u>-</u>	-	S	-	N
8·A	6X60	0	2-4-2	-	8	Yes		3	S	1	Υ
8B	6X60	0	2-4-2	•	8	Yes		10	S	-	Υ

* Video Detection Zone



3 PHASE FULLY ACTUATED w/ RAILROAD PREEMPTION FAYETTEVILLE SIGNAL SYSTEM

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.

PROJECT REFERENCE NO.

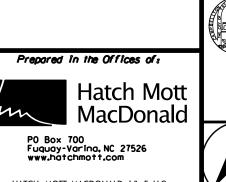
U-5742

- 2. Pavement markings are existing.
- 3. Locate new cabinet on existing foundation.
- Omit phase 5 during phase 6 on.
- 5. Wire cabinet to allow the controller to clear from phase 2+6 to phase 2+5 by progressing through phase 4+8 (see electrical details).
- 6. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.
- 7. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 8. Program all signal heads for the same approach to flash concurrently during flashing operation.
- 9. Program phase 4 and phase 8 for dual entry.
- 10. Set all detector units to presence mode.
- 11. Begin preemption sequence immediately after track call.
- 12. Ensure flashing operation does not alter operation of blankout signs.

	LEGEND	
<u>PROPOSI</u>	<u>EX</u>	<u>ISTING</u>
\circ	Traffic Signal Head	
O ->	Modified Signal Head	N/A
<u> </u>	Sign	-
\downarrow	Pedestrian Signal Head With Push Button & Sign	•
0	-) Signal Pole with Guy	
9	, Signal Pole with Sidewalk Guy	
	\supset Inductive Loop Detector \subset	
\boxtimes	Controller & Cabinet	ر × م الا × عا
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way ——	
\longrightarrow	Directional Arrow –	\longrightarrow
	Video Detection Area	
	"NO LEFT TURN - TRAIN" Fiber Optic Blankout Sign	
B	"NO RIGHT TURN - TRAIN" Fiber Optic Blankout Sign	lacksquare
©	"DO NOT STOP ON TRACKS" Sign (R8-8)	©
	"STOP HERE ON RED" Sign (R10-X)	\mathbb{O}
(E)	Right Arrow "ONLY" Sign (R3-5R)	E

Left Arrow "ONLY" Sign (R3-5L)

Signal Upgrade





HAY STREET RAY AVENUE AND OLD STREET

NOVEMBER 2016 REVIEWED BY: RWT SIG. INVENTORY NO.