PROJECT REFERENCE NO.	SHEET NO.
U-5742	Sig.209.0

PHASING DIAGRAM

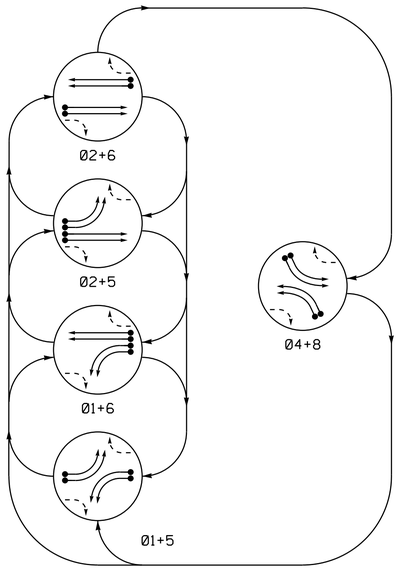
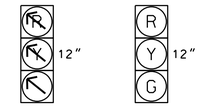


TABLE OF OPERATION

SIGNAL FACE	PHASE 01+5	01+6	02+5	02+6	04+8	FLASH
11,12	↖	↖	↖	↖	↖	↖
21,22	R	R	G	G	R	Y
41,42,43,44	↖	↖	↖	↖	↖	↖
51,52	↖	↖	↖	↖	↖	↖
61,62	R	G	R	G	R	Y
81,82,83,84	↖	↖	↖	↖	↖	↖

SIGNAL FACE I.D.

All Heads L.E.D.



11,12
41,42,43,44
51,52
81,82,83,84

21,22
61,62

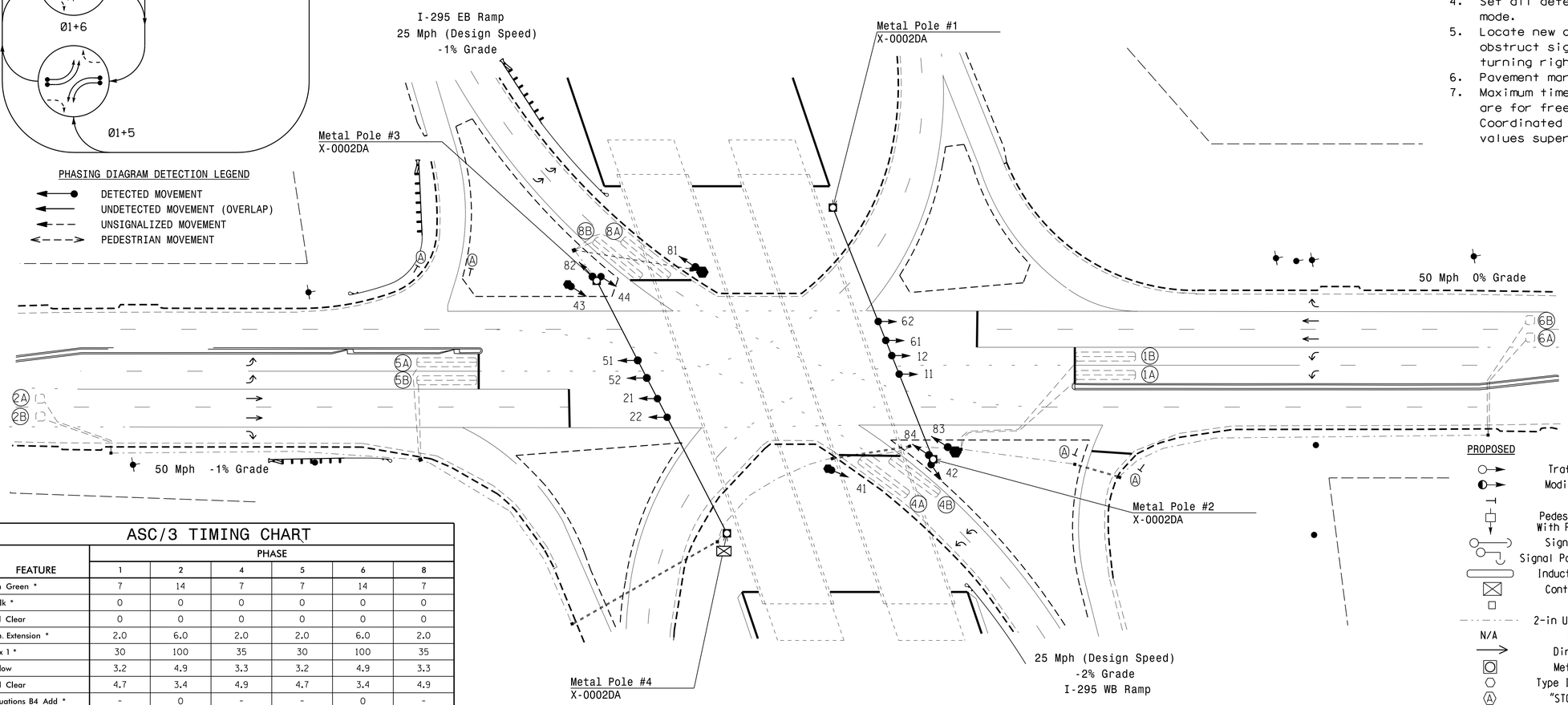
ASC/3 DETECTOR INSTALLATION CHART

DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	TYPE	SYSTEM LOOP	NEW CARD
1A	6x40	0	2-4-2	-	1	Yes	-	-	S	-	X
1B	6x40	0	2-4-2	-	1	Yes	-	-	S	-	X
2A	6x6	355	5	-	2	Yes	-	-	S	-	X
2B	6x6	355	5	-	2	Yes	-	-	S	-	X
4A	6x40	0	2-4-2	-	4	Yes	-	-	S	-	X
4B	6x40	0	2-4-2	-	4	Yes	-	-	S	-	X
5A	6x40	0	2-4-2	-	5	Yes	-	-	S	-	X
5B	6x40	0	2-4-2	-	5	Yes	-	-	S	-	X
6A	6x6	355	5	-	6	Yes	-	-	S	-	X
6B	6x6	355	5	-	6	Yes	-	-	S	-	X
8A	6x40	0	2-4-2	-	8	Yes	-	-	S	-	X
8B	6x40	0	2-4-2	-	8	Yes	-	-	S	-	X

5 Phase
Fully Actuated
Fayetteville Signal System

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Phase 1 and/or phase 5 may be lagged.
4. Set all detector units to presence mode.
5. Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
6. Pavement markings are existing.
7. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head With Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	
	Metal Strain Pole	
	Type II Signal Pedestal	
	"STOP" Sign (R1-1)	

ASC/3 TIMING CHART

FEATURE	PHASE 1	2	4	5	6	8
Min Green *	7	14	7	7	14	7
Walk *	0	0	0	0	0	0
Ped Clear	0	0	0	0	0	0
Veh. Extension *	2.0	6.0	2.0	2.0	6.0	2.0
Max 1 *	30	100	35	30	100	35
Yellow	3.2	4.9	3.3	3.2	4.9	3.3
Red Clear	4.7	3.4	4.9	4.7	3.4	4.9
Actuations B4 Add *	-	0	-	-	0	-
Seconds /Actuation *	-	1.5	-	-	1.5	-
Max Initial *	-	40	-	-	40	-
Time Before Reduction *	-	15	-	-	15	-
Time To Reduce *	-	45	-	-	45	-
Minimum Gap	-	3.0	-	-	3.0	-
Locking Detector	-	X	-	-	X	-
Recall Position	-	VEH. RECALL	-	-	VEH. RECALL	-
Dual Entry	-	-	X	-	-	X
Simultaneous Gap	X	X	X	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 Upgrade

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Offices of:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy,Garner,NC 27529

US 401 (Ramsey Street) at NC 295 Ramps

Division 6 Cumberland County Fayetteville

PLAN DATE: June 2016	REVIEWED BY: JG
PREPARED BY: JG	REVIEWED BY:

SCALE 0 40 1"=40'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 029904 ENGINEER JASON P. GALLOWAY

DocuSigned by: Jason P. Galloway
F1D0EA7D4B18410...
6/14/2016
DATE

SIG. INVENTORY NO. 06-1223

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