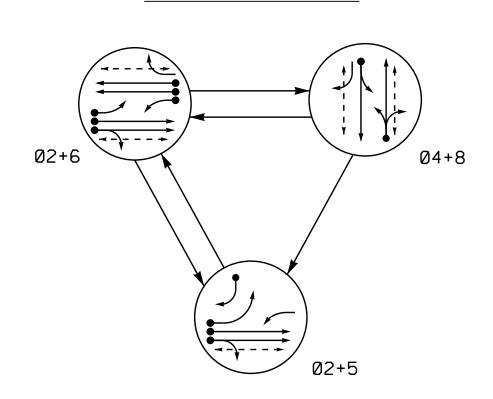
PROJECT REFERENCE NO. SHEET NO. I - 5700 Sig 6.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

←	DETECTED MOVEMENT
←	UNDETECTED MOVEMENT (OVERLAP)
←	UNSIGNALIZED MOVEMENT
<>	PEDESTRIAN MOVEMENT

TABLE OF OPERATION							
		PHA	SE				
SIGNAL FACE	Ø 2 + 5	Ø2 + 6	Ø 4 + 8	FLASI			
21, 22	G	G	R	Υ			
41	R	R	G	R			
42	R	R	G	R			
51	-	₹ Y	-R	- +			
61	F	F Y		- ¥			
62,63	R	G	R	Υ			
81, 82	R	R	G	R			
P21, P22	W	W	DW	DRK			
P41, P42	DW	DW	W	DRK			
P61, P62	DW	W	DW	DRK			
P81, P82	DW	DW	W	DRK			

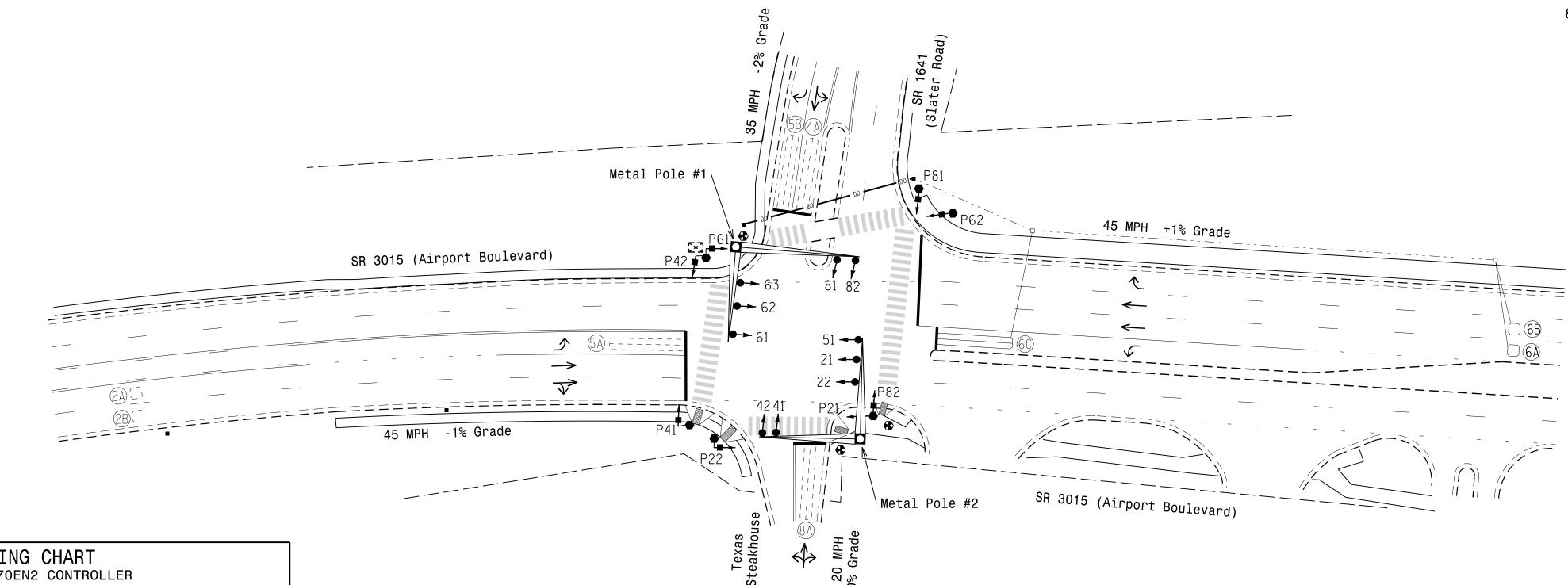
	<u>S</u> :	IGNAL FA	ACE I.D. Is L.E.D.	
12" 61	12" 51	R Y 12" 21, 22 41 62, 63 81, 82	T	P21, P22 P41, P42 P61, P62 P81, P82

LOOP & DETECTOR INSTALLATION CHART ASC/3-2070EN2 CONTROLLER W/ TS-2 CABINET																		
INDUCTIVE LOOPS DETECTOR UNITS																		
	SIZE	DIST. FROM		3 Z		3 U	0 ≥ Z	9NI	NEMA ≥ Z			NEMA ≥		XISTING	TIM	ING	ADDED	DET.
LOOP NO.	(ft)	STOPBAR (ft)	TURNS	NEW	EXISTIN	PHASE	NEW	EXIST	FEATURE	TIME (sec.)	INITIAL	TYPE						
2A	6X6	300	5	-	Χ	2	_	Χ	-	-	Χ	N						
2B	6X6	300	5	-	Χ	2	-	Χ	-	-	Х	N						
4A	6X40	0	2-4-2	-	Χ	4	-	Χ	-	-	-	S						
5.A 6.V.40	EA C V 40	X40 0 2-4-		2 4 2	2 4 2	2-4-2 -	2-1-2	0 2-4.2	V	5	-	Χ	DELAY	15	-	S		
5A	0840		2-4-2	_	_	_	X	2	-	Χ	DELAY	3	-	G				
5B	6X40	0	2-4-2	-	Χ	5	-	Χ	DELAY	15	-	S						
6A	6X6	300	5	Х	-	6	Χ	-	-	-	Х	N						
6B	6X6	300	5	Х	_	6	Χ	-	-	-	Х	N						
6C	6X40	0	2-4-2	Х	-	6	Χ	-	DELAY	3	-	G						
8.8	6X40	0	2-4-2	-	Χ	8	-	Χ	DELAY	5	-	S						

	3	Phas	se
Fu	11y	Act	uated
(Cary	Sig	nal	Syste

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- 3. Phase 5 may be lagged.
- 4. Set all detector units to presence mode.
- 5. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- 6. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- 7. Maximum times shown in timing chart are for free-run operation only.
 Coordinated signal system timing values supersede these values.
- 8. Cary signal system data: Fiber channel #: 26.



		T]	MING	G CH	HART					
	AS	C/3-2	2070EN	12 C	ONTROL	LER				
PHASE	02	02 04		Ø5		Ø6		Ø8		
MINIMUM GREEN *	12	SEC.	7	SEC.	7	SEC.	12	SEC.	7	SEC
VEHICLE EXT. *	6.0	SEC.	2.0	SEC.	2.0	SEC.	6.0	SEC.	2.0	SEC
YELLOW CHANGE INT.	4.6	SEC.	4.0	SEC.	3.0	SEC.	4.6	SEC.	3.0	SEC
RED CLEARANCE	1.8	SEC.	2.2	SEC.	3.4	SEC.	1.8	SEC.	3.5	SEC
MAX. 1 *	90	SEC.	30	SEC.	15	SEC.	90	SEC.	30	SEC
RECALL POSITION	MIN. RE	CALL	ИОИ	٧E	NONE		MIN. RECALL		NONE	
LOCK DET.	01	7	OFF		OFF		ON		OFF	
WALK *	7	SEC.	7	SEC.	_	SEC.	7	SEC.	7	SEC
PED. CLEAR	9	SEC.	14	SEC.	_	SEC.	17	SEC.	26	SEC
VOLUME DENSITY	10	7	OFF		OFF		ON		OFF	
ACTUATION B4 ADD *	0	VEH.	_	VEH.	_	VEH.	0	VEH.	_	VEH
SEC. PER ACTUATION *	1.5	SEC.	-	SEC.	_	SEC.	1.5	SEC.	_	SEC
MAX. INITIAL *	34	SEC.	_	SEC.	_	SEC.	34	SEC.	_	SEC
TIME B4 REDUCTION *	15	SEC.	_	SEC.	_	SEC.	15	SEC.	_	SEC
TIME TO REDUCE *	30	SEC.	_	SEC.	_	SEC.	30	SEC.	_	SEC
MINIMUM GAP	3.0	SEC.	1	SEC.	_	SEC.	3.0	SEC.	1	SEC
DUAL ENTRY	OF	F	10	1	OFF		OFF		ON	
SIMULTANEOUS GAP	10	7	ON		ON		ON		ON	

* 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.

	<u>LEGEND</u>	
<u>PROPOSED</u>		EXISTING
\bigcirc	Traffic Signal Head	
O	Modified Signal Head	N/A
\dashv	Sign	\dashv
	Pedestrian Signal Head With Push Button & Sign	•
\bigcirc	Signal Pole with Guy	•
Si	ignal Pole with Sidewalk Guy	,
	Inductive Loop Detector	$\subseteq = = \supset$
	Controller & Cabinet	~_X ~_X
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
\longrightarrow	Directional Arrow	\longrightarrow
—— DD ——	Directional Drill	N/A
0	Metal Pole with Mastarm	0
₩	Type I Pushbutton Post	€
\bigcirc	Type II Signal Pedestal	
N/A	Curb Ramp	

