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PROJECT REFERENCE NO.	SHEET NO.
I-5710	ITS-19

INSET 1

N.T.S.

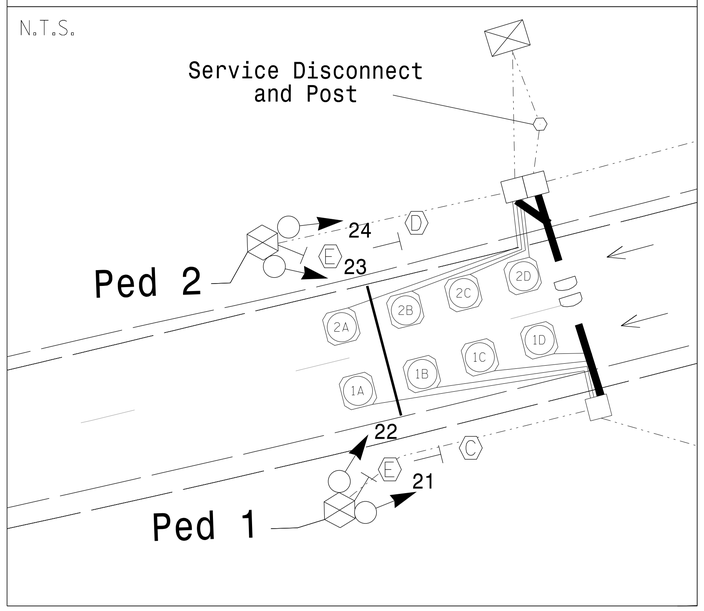


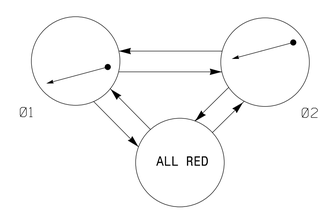
TABLE OF OPERATION

SIGNAL FACE	PHASE Ø1	PHASE Ø2	PHASE ALL RED	PHASE OFF
21,23	G	R	R	DRK
22,24	R	G	R	DRK
25,27	ON	ON	ON	OFF
26,28	ON	ON	ON	OFF
29,31	ON	ON	ON	OFF
30,32	ON	ON	ON	OFF

WARNING BEACON TABLE OF OPERATION

SIGNAL FACE	INTERVAL 1	INTERVAL 2
25,27	ON	OFF
26,28	OFF	ON
29,31	ON	OFF
30,32	OFF	ON

PHASING DIAGRAM



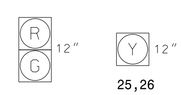
PHASING DIAGRAM DETECTION LEGEND

DETECTED MOVEMENT

UNSIGNALIZED MOVEMENT

SIGNAL FACE I.D.

All Heads L.E.D.

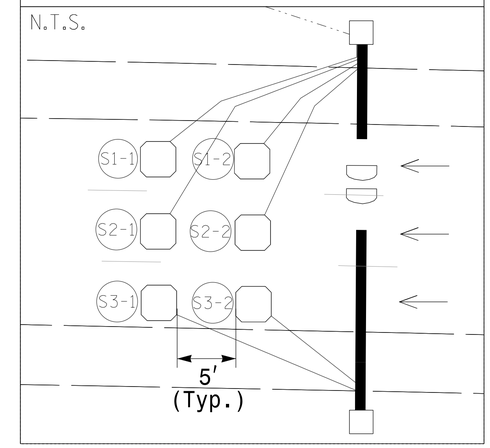


21,22
23,24

25,26
27,28
29,30
31,32

INSET 2

N.T.S.



RAMP METER LOOP & DETECTOR INSTALLATION CHART

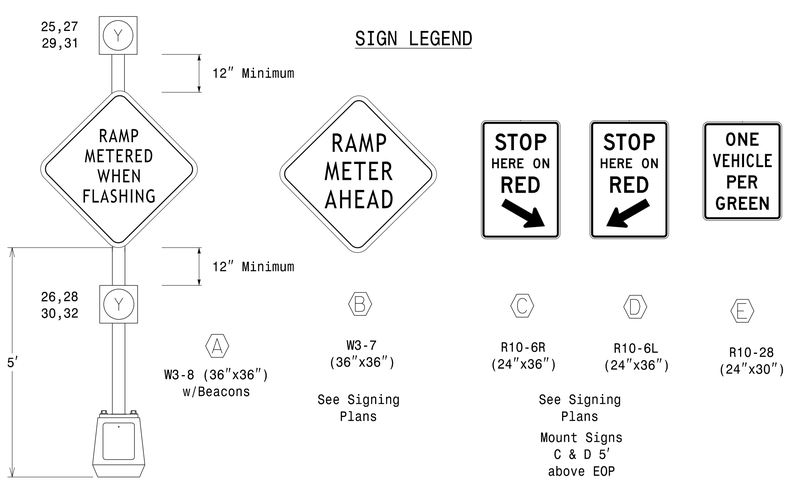
INDUCTIVE LOOPS					DETECTOR PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	LANE/ USE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME	DELAY TIME	SYSTEM LOOP	NEW CARD
1A	6x6	+9	3	Y	1	Y	Y	-	-	-	-	Y
1B	6x6	3	3	Y	1	Y	-	-	-	-	-	Y
1C	6x6	14	3	Y	1	Y	-	-	-	-	-	Y
1D	6x6	25	3	Y	1	Y	-	-	-	-	-	Y
2A	6x6	+9	3	Y	2	Y	Y	-	-	-	-	Y
2B	6x6	3	3	Y	2	Y	-	-	-	-	-	Y
2C	6x6	14	3	Y	2	Y	-	-	-	-	-	Y
2D	6x6	25	3	Y	2	Y	-	-	-	-	-	Y
✱✱ Q1	6x6	535	5	Y	PRE	Y	-	Y	-	10	-	Y
✱✱ Q2	6x6	485	5	Y	PRE	Y	-	Y	-	10	-	Y
✱✱ Q3	6x6	485	5	Y	PRE	Y	-	Y	-	10	-	Y
S1-1	6x6	✱	5	Y	SYS	Y	-	-	-	-	Y	Y
S1-2	6x6	✱	5	Y	SYS	Y	-	-	-	-	Y	Y
S2-1	6x6	✱	5	Y	SYS	Y	-	-	-	-	Y	Y
S2-2	6x6	✱	5	Y	SYS	Y	-	-	-	-	Y	Y
S3-1	6x6	✱	5	Y	SYS	Y	-	-	-	-	Y	Y
S3-2	6x6	✱	5	Y	SYS	Y	-	-	-	-	Y	Y

✱ Dimensioned on plan

✱✱ Overqueue detector

Notes:
1. Tie loops 1B, 1C, 1D in series
2. Tie loops 2B, 2C, 2D in series
3. Tie loops Q2, Q3 in series

SIGN LEGEND



New Installation Dual Lane Ramp Meter

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:
Transportation Mobility and Safety Division
Intelligent Transportation Systems Section
750 N. Greenfield Pkwy., Garner, NC 27529

I-540 WB Entrance Ramp at SR 1005 (Six Forks Road)

Division 5 Wake County Raleigh

PLAN DATE:	June 2016	REVIEWED BY:	H A BADGETT
PREPARED BY:	J O ENSLEY	REVIEWED BY:	J T BROOKS

REVISIONS	INIT.	DATE

N.T.S.

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 019962 HENRY ALFRED BADGETT III

DocuSigned by:
Alfred Badgett
EC2F42EEF9043F...
6/27/2016
DATE

ATKINS 5200 77 CENTER DR, SUITE 500 CHARLOTTE, NC 28217 704.665.4411 NCBEES #F-0326

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