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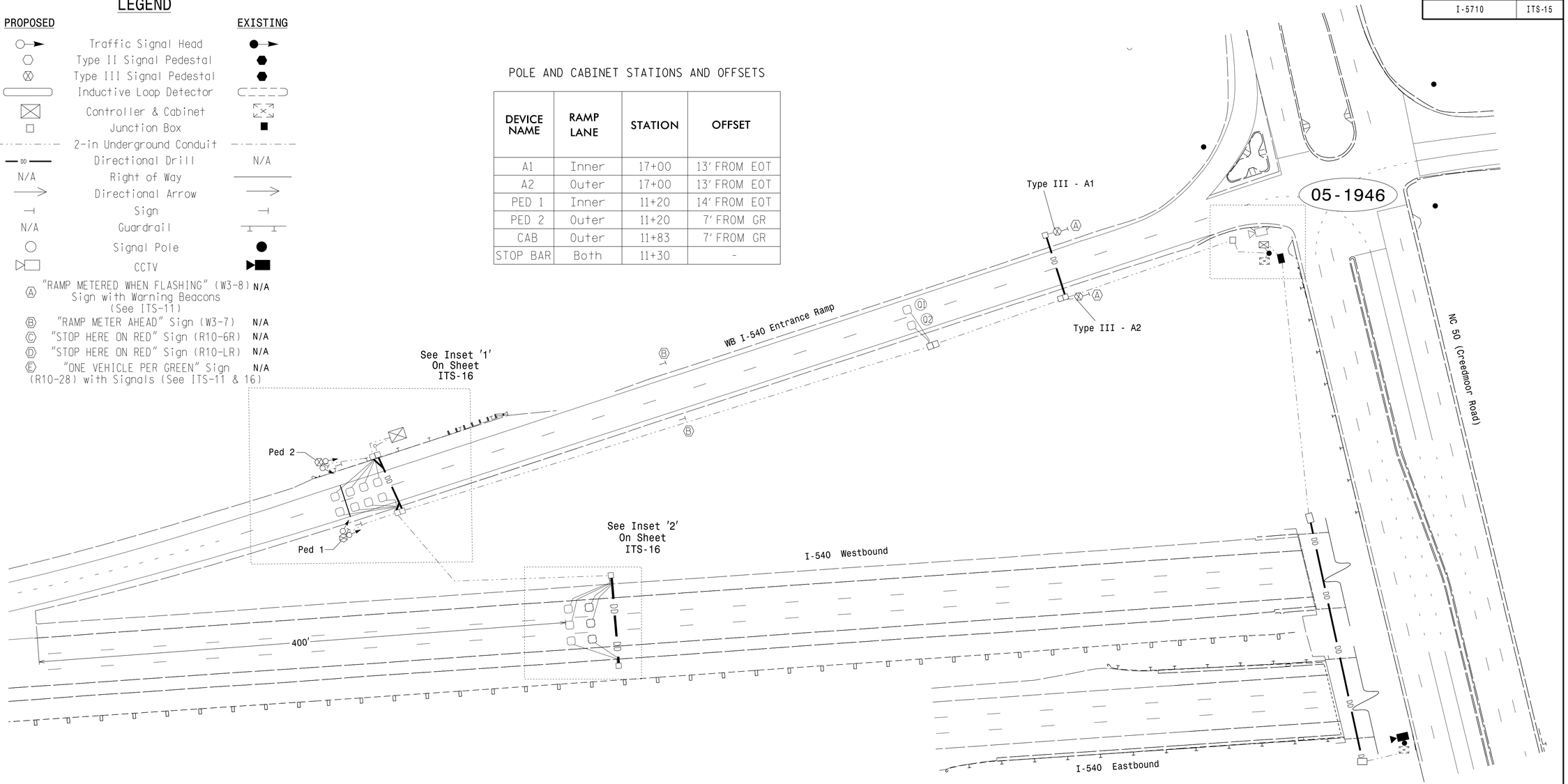
PROJECT REFERENCE NO.	SHEET NO.
I-5710	ITS-15

LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Type II Signal Pedestal	
	Type III Signal Pedestal	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
	Directional Drill	N/A
N/A	Right of Way	
	Directional Arrow	
	Sign	
N/A	Guardrail	
	Signal Pole	
	CCTV	
Ⓐ	"RAMP METERED WHEN FLASHING" (W3-8) Sign with Warning Beacons (See ITS-11)	N/A
Ⓑ	"RAMP METER AHEAD" Sign (W3-7)	N/A
Ⓒ	"STOP HERE ON RED" Sign (R10-6R)	N/A
Ⓓ	"STOP HERE ON RED" Sign (R10-LR)	N/A
Ⓔ	"ONE VEHICLE PER GREEN" Sign (R10-28) with Signals (See ITS-11 & 16)	N/A

POLE AND CABINET STATIONS AND OFFSETS

DEVICE NAME	RAMP LANE	STATION	OFFSET
A1	Inner	17+00	13' FROM EOT
A2	Outer	17+00	13' FROM EOT
PED 1	Inner	11+20	14' FROM EOT
PED 2	Outer	11+20	7' FROM GR
CAB	Outer	11+83	7' FROM GR
STOP BAR	Both	11+30	-



Ramp Meter
(System-wide Traffic Responsive)

NOTES

1. Refer to "Roadway Standards Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures dated January 2012.
2. Ramp Meter shall operate Traffic Responsive.
3. Each lane shall operate alternately, one car per one green.
4. Loops Q1 and Q2 serve as queue backup detection. After 10 seconds of constant actuation,the detector units shall put in a call to the controller to activate alternate metering rate.
5. The Division Traffic Engineer shall determine the hours of operation.
6. Pavement markings are proposed.
7. Set all detector units to presence mode.

New Installation Dual Lane Ramp Meter

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared for the Offices of:

Transportation Mobility and Safety Division
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Intelligent Transportation Systems Section

759 N. Greenfield Pkwy., Garner, NC 27529

I-540 WB Entrance Ramp at NC 50 (Creedmoor 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

N

0 40
1"=40'

REVISIONS	INIT.	DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 019962 HENRY ALFRED BADGETT III

DocuSigned by:
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6/27/2016
DATE

CADD Filename: ITS-15 I5710_TMS_DSN15

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

Signal Inv No.: 05-1851

27-JUN-2016 15:55
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