PROJECT REFERENCE NO.	SHEET NO.
R-4707	Sig.13.0

PHASING DIAGRAM

RED REST

Ø9

Ø4+7

Ø6

Ø4+8

PHASING DIAGRAM DETECTION LEGEND

- ●——→ DETECTED MOVEMENT
- ——→ UNDETECTED MOVEMENT (OVERLAP)
- ◄---- UNSIGNALIZED MOVEMENT
- ◄····· PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	Ø06	Ø4+7	Ø4+8	A0Ll9	FLASH
41,42	R	↑	↑	R	R
43,44	R	⟋	⟋	R	R
61,62,63,64	R	R	R	R	R
65,66	⟍	R	R	R	R
81,82	⟋R	⟋R	⟍	⟋R	R
83,84	R	R	⟍	R	R
P41,P42	DW	W	W	DW	DRK

ASC/3 DETECTOR INSTALLATION CHART

		DETECTOR			PROGRAMMING							
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	PHASE	CALLING	EXTEND TIME	DELAY TIME	USE ADDED INITIAL	TYPE	SYSTEM LOOP	NEW CARD
4A	6X40	0	2-4-2	X	4	Yes	-	-	-	S	-	X
4B	6X40	0	2-4-2	X	4	Yes	-	-	-	S	-	X
6A	6X40	0	2-4-2	X	6	Yes	-	-	-	S	-	X
6B	6X40	0	2-4-2	X	6	Yes	-	-	-	S	-	X
6C	6X40	0	2-4-2	X	6	Yes	-	-	-	S	-	X
6D	6X40	0	2-4-2	X	6	Yes	-	-	-	S	-	X
8A	6X40	0	2-4-2	X	8	Yes	-	-	-	S	-	X
8B	6X40	0	2-4-2	X	8	Yes	-	-	-	S	-	X

3 Phase
Fully Actuated
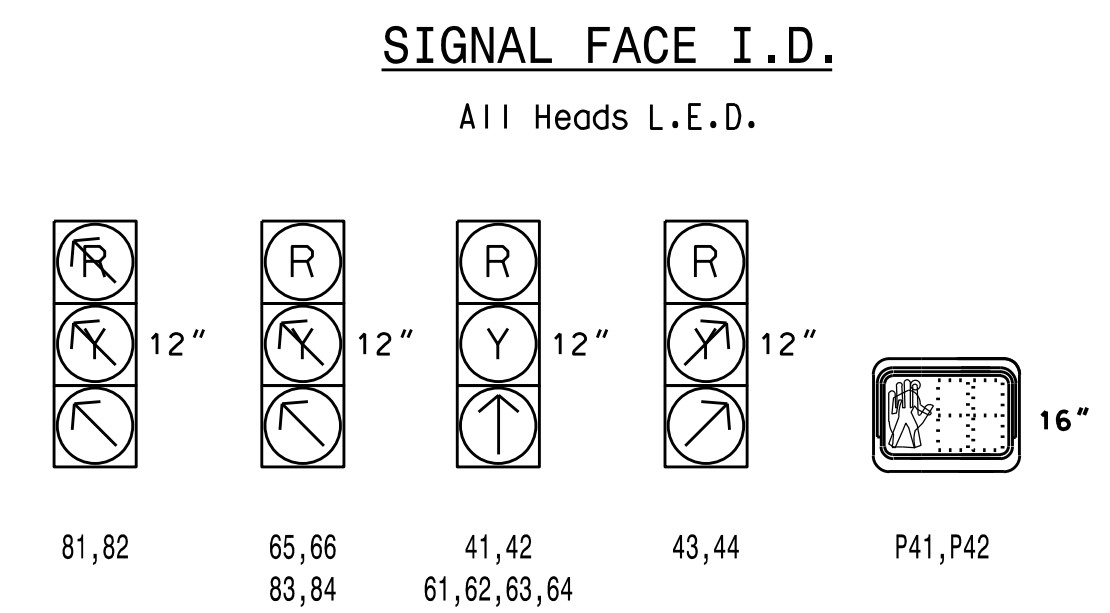### SR 4771 (Reedy Fork Parkway) CLS
Signal System: 10727

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
3. Program controller for start up in phase 4 Red Clear and phase 8 Red Clear.
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. Omit phase 8 during phase 6 on.
7. Program controller to clear from phase 6 to phase 8 by progressing through phase 7.
8. Omit phase 7 during phase 8 on.
9. Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
10. Program pedestrian heads to countdown the flashing "Don't Walk" time only.
11. Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.
12. Closed loop system data:
      Controller Asset #: 0905

Metal Pole #5
-YEB- STA. 45+36
26' LT

35 MPH   +5% Grade

SR 4771 (Reedy Fork Parkway)

35 MPH   -5% Grade

SR 4771 (Reedy Fork Parkway)

Metal Pole #4
-RPC- STA. 25+66
38' LT

US 29 NB Ramp
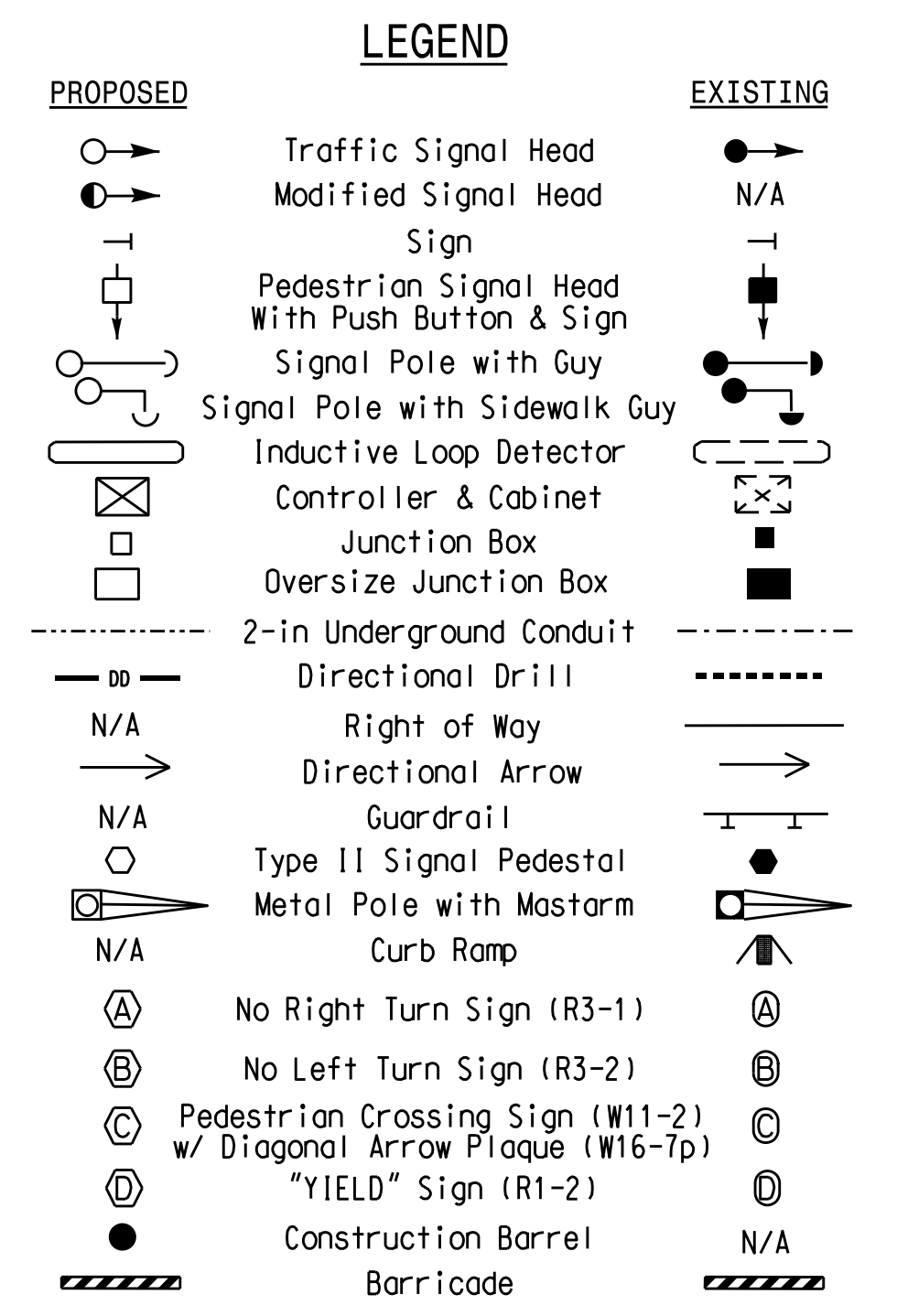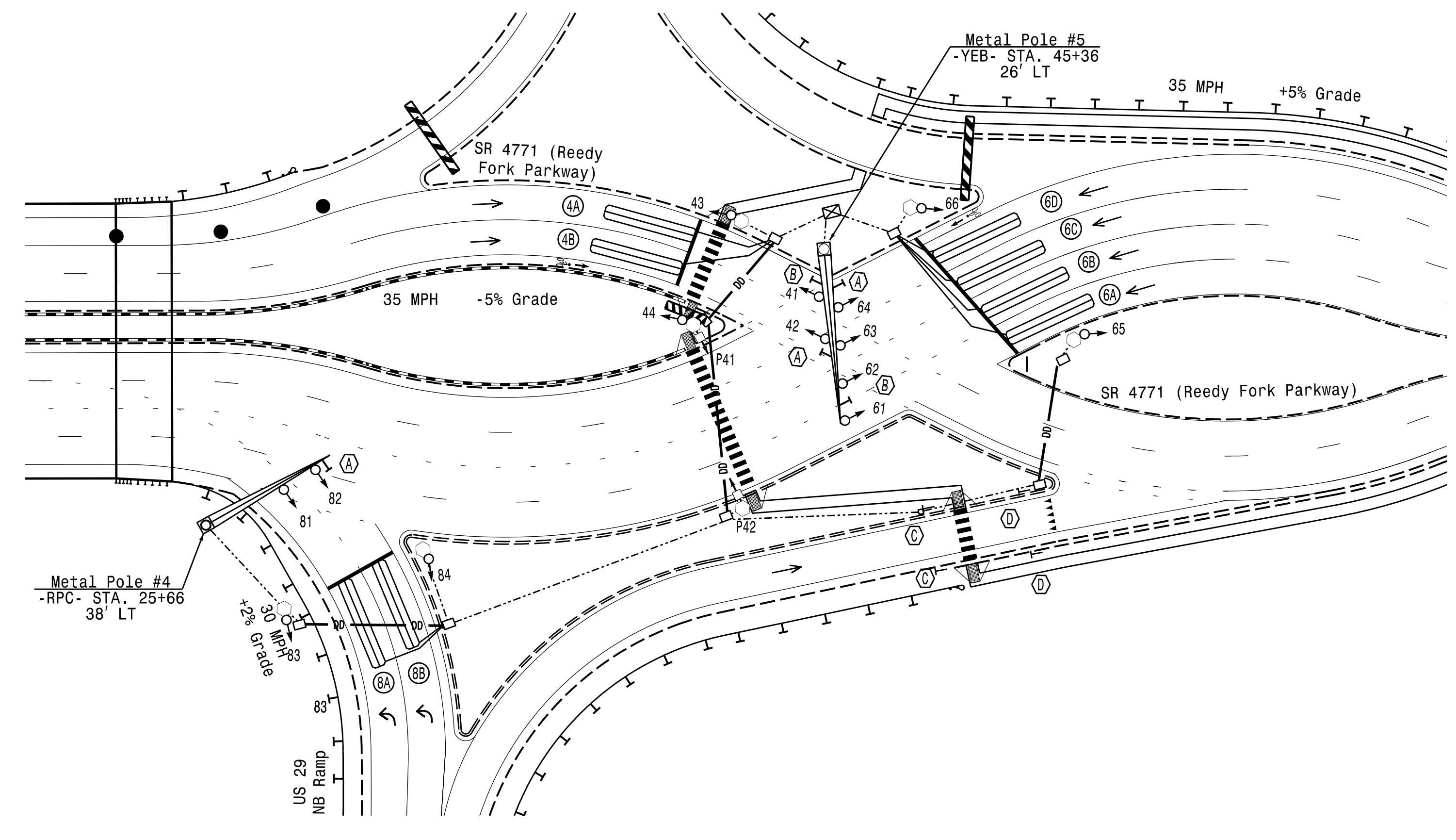
ASC/3 TIMING CHART

FEATURE	PHASE				
	4	6	7 (DUMMY)	8	9 (ALL RED)
Min Green *	10	10	1	10	1
Walk *	7	0	0	0	0
Ped Clear *	15	0	0	0	0
Veh. Extension *	2.0	2.0	0.0	2.0	0.0
Max 1 *	60	60	1	60	1
Yellow	4.2	3.6	3.0	3.4	3.0
Red Clear	2.6	2.3	1.0	2.1	1.0
Red Revert	2.0	2.0	2.0	2.0	2.0
Actuations B4 Add *	-	-	-	-	-
Seconds /Actuation *	-	-	-	-	-
Max Initial *	-	-	-	-	-
Time Before Reduction *	-	-	-	-	-
Time To Reduce *	-	-	-	-	-
Minimum Gap	-	-	-	-	-
Locking Detector	-	-	-	-	-
Recall Position	-	-	-	-	SOFT RECALL
Dual Entry	X	-	X	-	-
Simultaneous Gap	X	X	X	X	X

* These values may be field adjusted. Do not adjust Min Green and Extension times for phase 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.

81,82   65,66   41,42   43,44   P41,P42
           83,84   61,62,63,64

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	■
□	Oversize Junction Box	■
	2-in Underground Conduit	
— DD —	Directional Drill	-------
N/A	Right of Way	
—→	Directional Arrow	—→
N/A	Guardrail	
○	Type II Signal Pedestal	
	Metal Pole with Mastarm	
N/A	Curb Ramp	
Ⓐ	No Right Turn Sign (R3-1)	Ⓐ
Ⓑ	No Left Turn Sign (R3-2)	Ⓑ
Ⓒ	Pedestrian Crossing Sign (W11-2) w/ Diagonal Arrow Plaque (W16-7p)	Ⓒ
Ⓓ	"YIELD" Sign (R1-2)	Ⓓ
●	Construction Barrel	N/A
⟋⟋⟋	Barricade	⟋⟋⟋

Project #: 180914

DAVENPORT

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WINSTON-SALEM, NC 27101
336.744.1636   www.davenportworld.com
NCBELS FIRM LICENSE NO. C-2522

New Installation -
Temporary Design 1 ; (TMP Phase III-Step 1)

Prepared for:
Transportation Mobility and Safety Division
Signal Design Section
750 N.Greenfield Pkwy, Garner, NC 27529

SR 4771 (Reedy Fork Parkway)
at
US 29 Northbound Ramps

Division 7	Guilford County	Greensboro
PLAN DATE: April 2020	REVIEWED BY: L. Boyer	
PREPARED BY: T.S. Warren	REVIEWED BY: R. Hinshaw	

SEAL
NORTH CAROLINA
PROFESSIONAL
SEAL
032117
ENGINEER
ROYAL H. HINSHAW

REVISIONS	INIT.	DATE

DocuSigned by:
S. Royal Hinshaw
SIGNATURE   4/20/2020
DATE

SCALE
0   40
1"=40'

SIG. INVENTORY NO.   07-0905TI