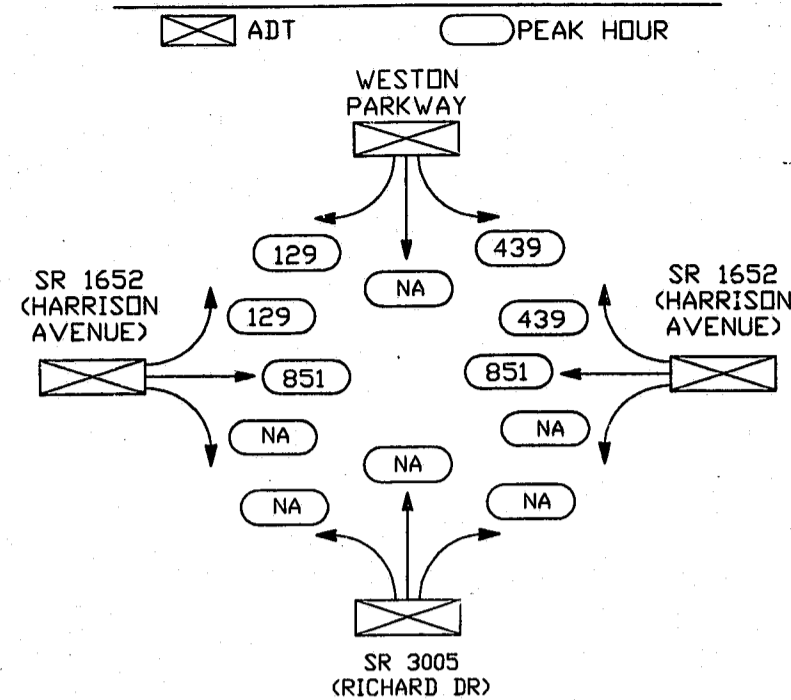


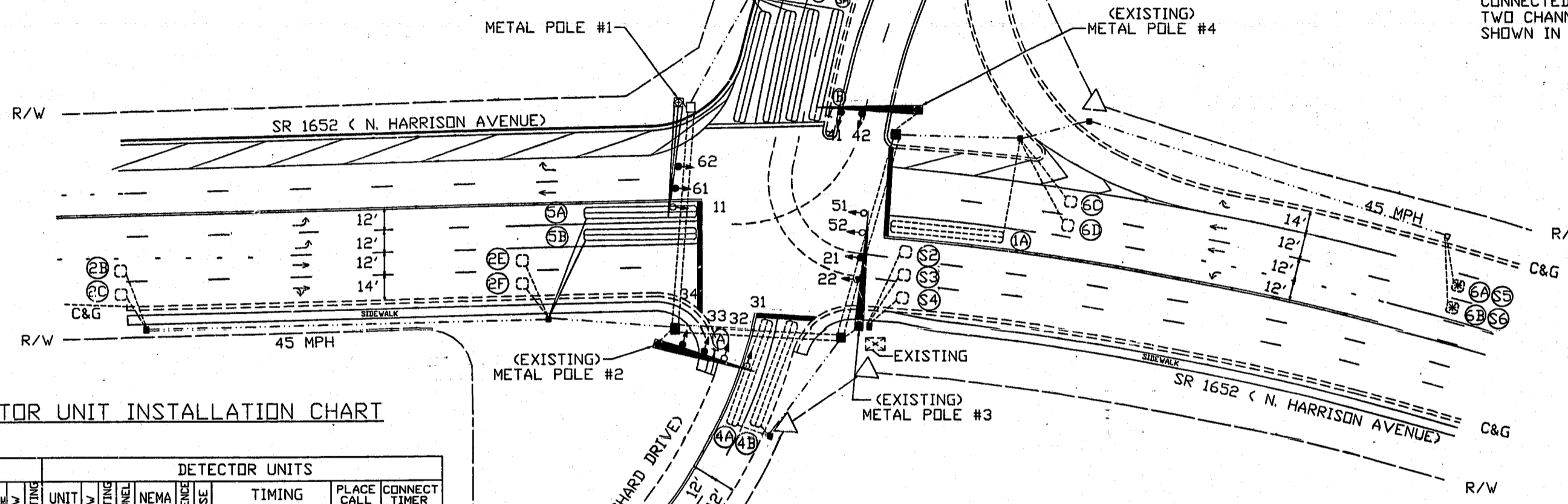
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.		1	5
F.A. PROJ. NO.			
PROJECT ID NO.			

YEAR 2001 PROJECTED VOLUMES



NOTES

- SIGNAL UPGRADE.
- THIS SIGNAL IS TO BE PART OF THE HARRISON AVENUE CLOSED LOOP SIGNAL SYSTEM IN CARY.
- COORDINATE SAWCUTTING/LOOP PLACEMENT AND THESE PAVEMENT MARKINGS WITH PAVEMENT MARKINGS AS SHOWN IN THE TRAFFIC CONTROL PLANS AND/OR PAVEMENT MARKING PLANS.
- ALL UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO POLE DRILLING AND CONDUIT TRENCHING.
- REUSE EXISTING SIGNAL EQUIPMENT AS SHOWN ON PLANS.
- MAXIMUM TIMES SHOWN IN TIMING CHART ARE FOR FREE-RUN OPERATION ONLY. COORDINATED SIGNAL SYSTEM TIMING VALUES SHALL SUPERSEDE THESE VALUES.
- SIGNAL TO FLASH FROM 11:00 PM UNTIL 6:00 AM UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- WHEN IN FLASH MODE, ALL SIGNAL HEADS FOR THE SAME APPROACH SHALL FLASH CONCURRENTLY.
- REMOVE LEFT TURN SIGNAL SIGN FROM MASTARM #3.
- LOOPS S5-6A AND S6-6B SHOWN WITH ASTERISKS ARE FOR DUAL USE AND SHALL BE CONNECTED TO TWO SEPERATE CHANNELS ON A TWO CHANNEL DIGITAL DETECTOR UNIT AS SHOWN IN THE LOOP INSTALLATION CHART.



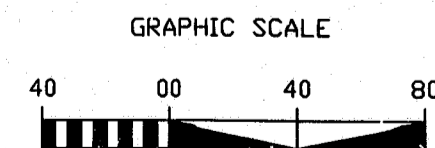
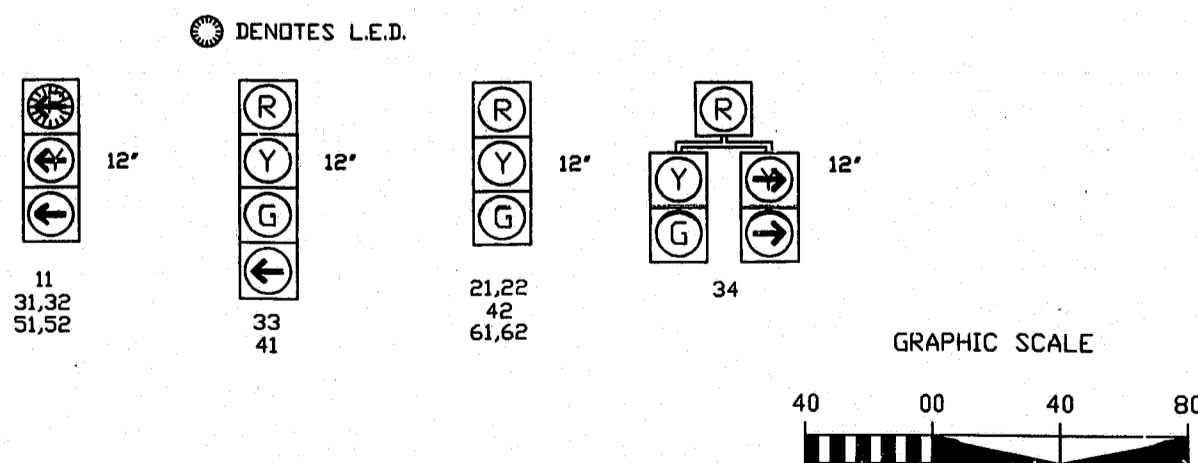
LOOP & DETECTOR UNIT INSTALLATION CHART

INDUCTIVE LOOPS					DETECTOR UNITS									
LOOP NO.	SIZE	TURNS	DIST. FROM STOPBAR	EXISTING	UNIT NO.	NEW	EXISTING	CHANNEL	NEMA PHASE	PRESENCE PULSE	FEATURE	TIME	PLACE CALL DURING PHASE	CONNECT TIMER INHIBIT WIRE ?
1A	6'x60'	2-4-2	0	X	6	X	X	2	01	X	----	-- SEC.	ALL	NO
2B,2C	6'x6'	5	300	X	1	X	X	1	02	X	EXTEND	1.75 SEC.	ALL	NO
2E,2F	6'x6'	5	91	X	1	X	X	2	02	X	----	-- SEC.	ALL	NO
3A	6'x60'	2-4-2	0	X	2	X	X	1	03	X	----	-- SEC.	ALL	NO
3B	6'x60'	2-4-2	0	X	2	X	X	2	03	X	----	-- SEC.	ALL	NO
3C	6'x60'	2-4-2	0	X	10	X	X	1	03	X	----	-- SEC.	ALL	NO
4A	6'x60'	2-4-2	0	X	7	X	X	1	04	X	----	-- SEC.	ALL	NO
4B	6'x60'	2-4-2	0	X	2	X	X	2	04	X	----	-- SEC.	ALL	NO
5A	6'x60'	2-4-2	0	X	3	X	X	1	05	X	----	-- SEC.	ALL	NO
5B	6'x60'	2-4-2	0	X	3	X	X	2	05	X	----	-- SEC.	ALL	NO
5C	6'x60'	2-4-2	0	X	10	X	X	2	05	X	DELAY	15 SEC.	ALL	YES
6A-S5	6'x60'	5	300	X	4	X	X	1	06	X	EXTEND	1.75 SEC.	ALL	NO
SYSTEM LOOP														
6B-S6	6'x60'	5	300	X	5	X	X	1	06	X	EXTEND	1.75 SEC.	ALL	NO
SYSTEM LOOP														
6C,6D	6'x6'	5	90	X	6	X	X	1	06	X	----	-- SEC.	ALL	NO
S2	6'x6'	4	+115	X	8	X	X	1	SYSTEM LOOP					
S3	6'x6'	4	+115	X	8	X	X	2	SYSTEM LOOP					
S4	6'x6'	4	+115	X	9	X	X	1	SYSTEM LOOP					

PROPOSED		EXISTING	
	TRAFFIC SIGNAL HEAD		TRAFFIC SIGNAL HEAD
	MODIFIED TRAFFIC SIGNAL HEAD	N/A	
	PEDESTRIAN SIGNAL HEAD WITH PUSH BUTTON & SIGN		PEDESTRIAN SIGNAL HEAD WITH PUSH BUTTON & SIGN
	SIGNAL POLE WITH GUY		SIGNAL POLE WITH GUY
	SIGNAL POLE WITH SIDEWALK GUY		SIGNAL POLE WITH SIDEWALK GUY
	INDUCTIVE LOOP DETECTOR		INDUCTIVE LOOP DETECTOR
	CONTROLLER & CABINET		CONTROLLER & CABINET
	LOOP DETECTOR PULL BOX		LOOP DETECTOR PULL BOX
	2" UNDERGROUND CONDUIT		2" UNDERGROUND CONDUIT
	INTERCONNECT CABLE (HARDWIRE)		INTERCONNECT CABLE (HARDWIRE)
	RIGHT OF WAY WITH MARKER		RIGHT OF WAY WITH MARKER
	DIRECTIONAL ARROW		DIRECTIONAL ARROW
	PAVEMENT MARKING ARROW		PAVEMENT MARKING ARROW
	METAL POLE AND MAST ARM		METAL POLE AND MAST ARM
	2" RIGID METAL CONDUIT WITH PULL BOXES		2" RIGID METAL CONDUIT WITH PULL BOXES

PROPOSED		EXISTING	
	COMBINED THROUGH AND LEFT ARROW SIGN (R3-6L)		COMBINED THROUGH AND LEFT ARROW SIGN (R3-6L)
	LEFT ARROW "ONLY" SIGN (R3-5L)		LEFT ARROW "ONLY" SIGN (R3-5L)

SIGNAL FACE I. D.

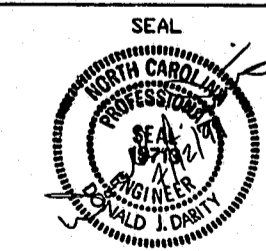


PLANS
75-6P-183
APPROVED
8/31/99
JTP 9/2/99

Ramey Kemp & Associates

Engineers
4928-A Windy Hill Drive Raleigh, NC 27609
(919) 872-5115 fax (919) 878-5416

SR 1652 (N. HARRISON AVE) AT SR 3005 (RICHARD DR)/WESTON PKWY		
DIVISION 5	WAKE COUNTY	CARY
REVISIONS	INIT.	DATE



N.C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
TRAFFIC ENGINEERING BRANCH

SIGNATURE	DATE
SCALE: 1" = 40'	DATE: 7/12/99
PREPARED BY: CET/DJD	
REVIEWED BY: RFK	
RKA PROJ. NO.: 9808340	
JTG INV. NO.	05-1460