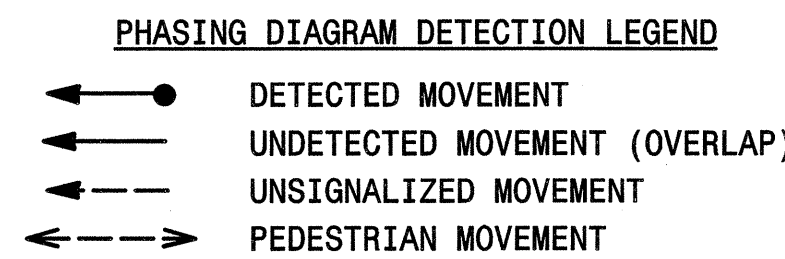
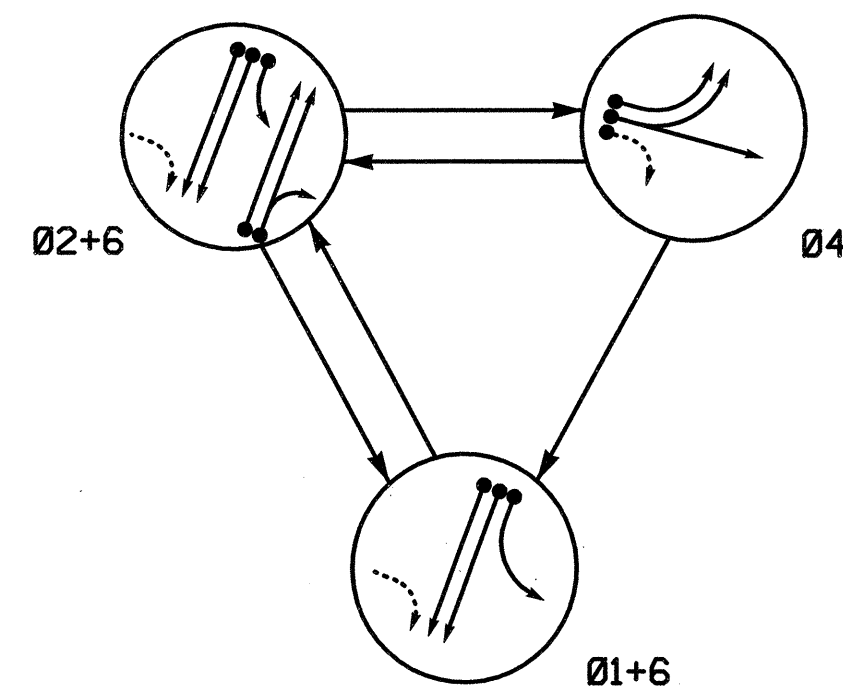
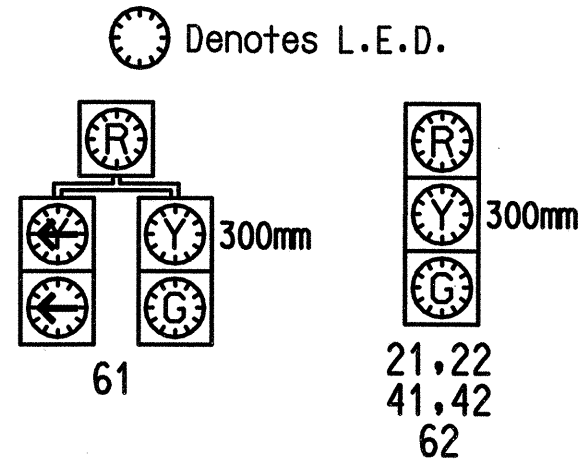


PHASING DIAGRAM



SIGNAL FACE	PHASE			
	01+6	02+6	04	FL/CRSE
21.22	R	G	R	Y
41.42	R	R	G	R
61	G	G	R	Y
62	G	G	R	Y

SIGNAL FACE I.D.



2070L LOOP & DETECTOR INSTALLATION

LOOP	SIZE (M)	DISTANCE FROM STOPBAR (M)	TURNS	NEW LOOP	DETECTOR PROGRAMMING					SYSTEM LOOP	NEW CARD	
					PHASE	CALLING	EXTENSION	FULL TIME DELAY	STRETCH TIME			DELAY TIME
1A	1.8x1.2	0	2-4-2	Y	1	Y	Y	-	-	15	-	Y
2A	1.8x1.8	130	6	Y	2	Y	Y	-	-	3	-	Y
4A	1.8x1.2	0	2-4-2	Y	4	Y	Y	-	-	-	-	Y
4B	1.8x1.2	0	2-4-2	Y	4	Y	Y	-	-	-	-	Y
4C	1.8x1.2	*	2-4-2	Y	4	Y	Y	-	-	20	-	Y
6A	1.8x1.8	130	6	Y	6	Y	Y	-	-	-	-	Y
6B	1.8x1.8	130	6	Y	6	Y	Y	-	-	-	-	Y

\* PLACE LOOP AS SHOWN ON PLAN.

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2002 and "Standard Specifications for Roads and Structures" dated January 2002.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 may be lagged.
- Set all detector units to presence mode.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.

PLAN QUANTITIES

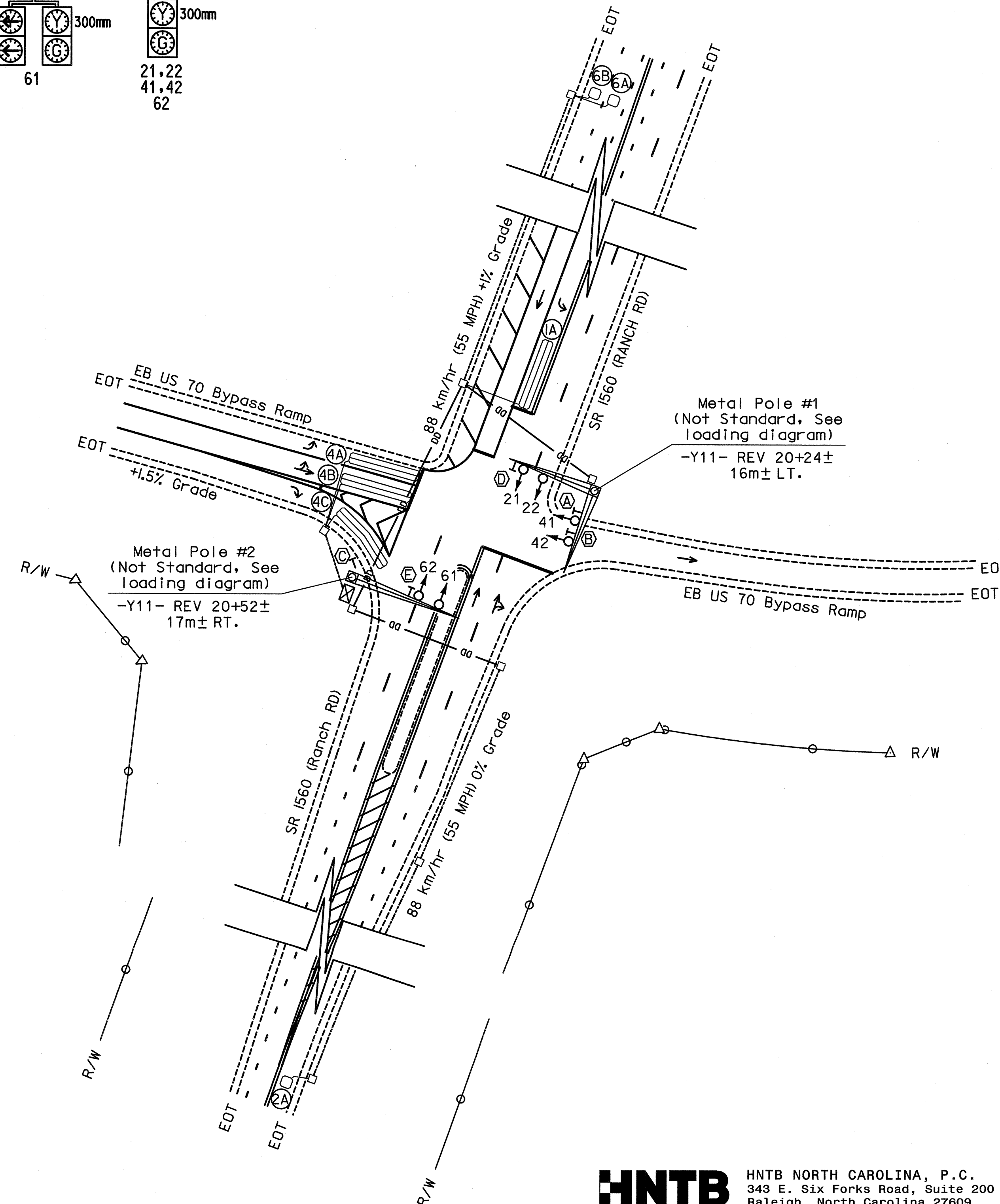
Pay Item	Meters
Signal Cable	230
Messenger Cable	0
Loop Lead-in Cable	395

LEGEND

PROPOSED	EXISTING
○ → Traffic Signal Head	● → N/A
● → Modified Signal Head	— → N/A
— → Sign	— → N/A
⊥ → Pedestrian Signal Head With Push Button & Sign	⊥ → N/A
○ → Signal Pole with Guy	● → N/A
○ → Signal Pole with Sidewalk Guy	● → N/A
⊠ → Inductive Loop Detector	⊠ → N/A
⊠ → Controller & Cabinet	⊠ → N/A
□ → Junction Box	□ → N/A
--- → 50mm Underground Conduit	--- → N/A
N/A → Right of Way with Marker	—△— → N/A
→ → Directional Arrow	→ → N/A
N/A → Fence	—○— → N/A
N/A → Guardrail	— — → N/A
—DD— → Directional Drill	N/A
⊠ → Metal Pole with Mast Arm	⊠ → N/A
(A) → Left Arrow "ONLY" Sign (R3-5L)	N/A
(B) → Combined Through and Left Arrow Sign (R3-6L)	N/A
(C) → "YIELD" Sign (R1-2)	N/A
(D) → No Left Turn Sign (R3-2)	N/A
(E) → No Right Turn Sign (R3-1)	N/A

FEATURE	PHASE			
	1	2	4	6
Min Green 1*	7	14	7	14
Extension 1*	2.0	6.0	2.0	6.0
Max Green 1*	15	90	30	90
Yellow Clearance	3.5	5.2	3.8	5.2
Red Clearance	2.9	1.2	2.4	1.2
Walk 1*	-	-	-	-
Don't Walk 1	-	-	-	-
Seconds Per Actuation*	-	1.5	-	1.5
Max Variable Initial*	-	46	-	46
Time Before Reduction*	-	15	-	15
Time To Reduce*	-	30	-	30
Minimum Gap	-	3.4	-	3.4
Recall Mode	-	MIN RECALL	-	MIN RECALL
Vehicle Call Memory	-	YELLOW	-	YELLOW
Dual Entry	-	-	-	-
Simultaneous Gap	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.



New Signal Design

	<b>SR 1560 (Ranch Rd) At US 70 Bypass EB Ramps</b>		SEAL 
	Division 04 Johnston County S of Clayton PLAN DATE: November 2004 REVIEWED BY: S.T. Franklin PREPARED BY: T.R. Terrell REVIEWED BY: C.A. Johnson	REVISIONS: _____ INIT: _____ DATE: _____ SIGNATURE: _____ DATE: _____ Sig. Inventory No. 04-1315	