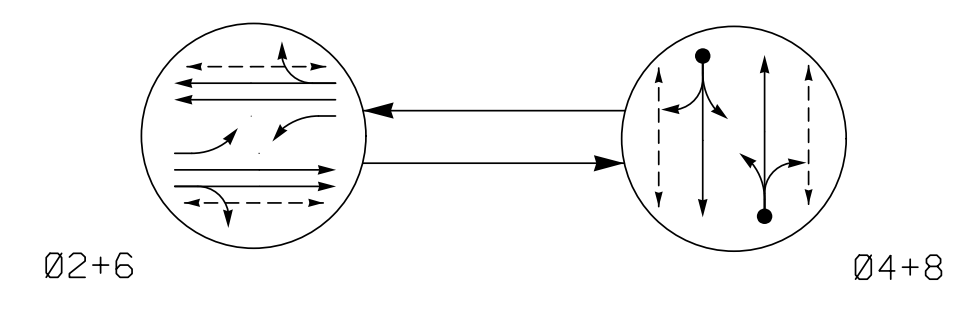


PHASING DIAGRAM



- PHASING DIAGRAM DETECTION LEGEND
- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

Table with columns: SIGNAL FACE, PHASE (02+6, 04+8, 05+8), and corresponding signal phases like 21, 22, 23, etc.

DETECTOR INSTALLATION CHART

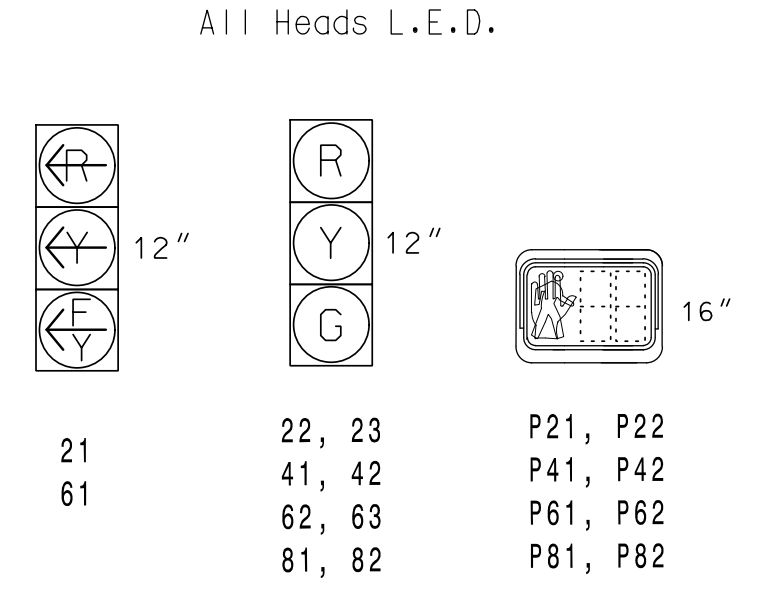
Table with columns: LOOP, SIZE (FT), DISTANCE FROM STOPBAR (FT), TURNS, NEW LOOP, PHASE, CALLING, EXTEND TIME, DELAY TIME, USE ADDED INITIAL, TYPE, SYSTEM LOOP, NEW CARD.

2 Phase Semi-Actuated Gastonia Signal System

NOTES

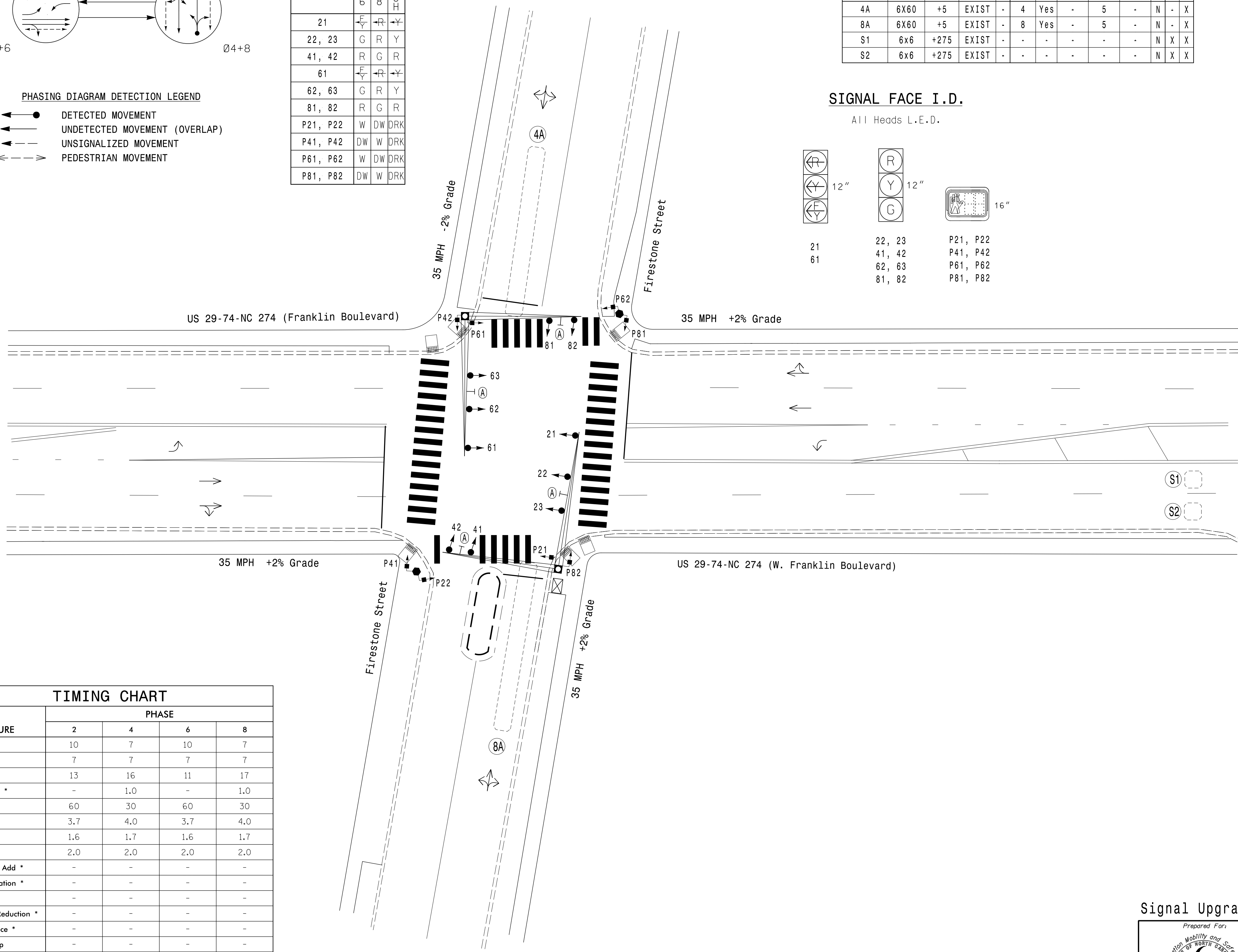
- 1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018...
2. Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
...
12. City system data: Controller Asset: #0034

SIGNAL FACE I.D.



TIMING CHART table with columns: FEATURE, PHASE (2, 4, 6, 8) and rows: Min Green, Walk, Ped Clear, Veh. Extension, Max 1, Yellow, Red Clear, Red Revert, etc.

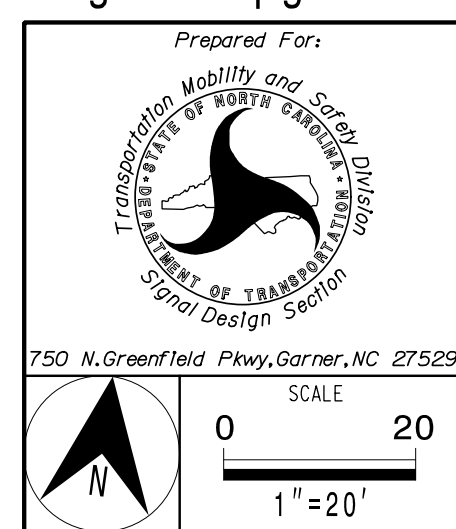
* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown.



LEGEND table defining symbols for PROPOSED and EXISTING elements like Traffic Signal Head, Pedestrian Signal Head, Inductive Loop Detector, etc.

Signal Upgrade

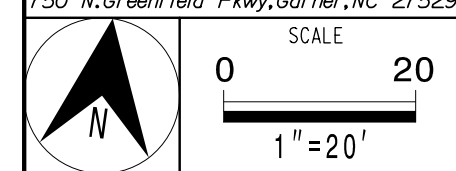
PLANS PREPARED IN THE OFFICE OF: Kimley-Horn & Horn 421 Fayetteville Street, Suite 600 Raleigh, NC 27601



Project title block: US 29-74-NC 274 (W. Franklin Boulevard) at Firestone Street, Gastonia, NC. Includes dates (May 2021) and names (CF Davis, SL Phillips, KP Baumann).

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Professional Engineer seal for Kevin P. Baumann, State of North Carolina, License No. 044434, dated 3/11/2022.



Revisions table with columns: REVISIONS, INIT., DATE.

3/9/2022 11:13:05 AM D:\m181\le_c\p11 ***kimley-horn.com\SELRAL\IP\OK_LITS\011036569_Gastonia_Signal_System\9_Signals\54 - Signal Des\gm120034-2021.dgn