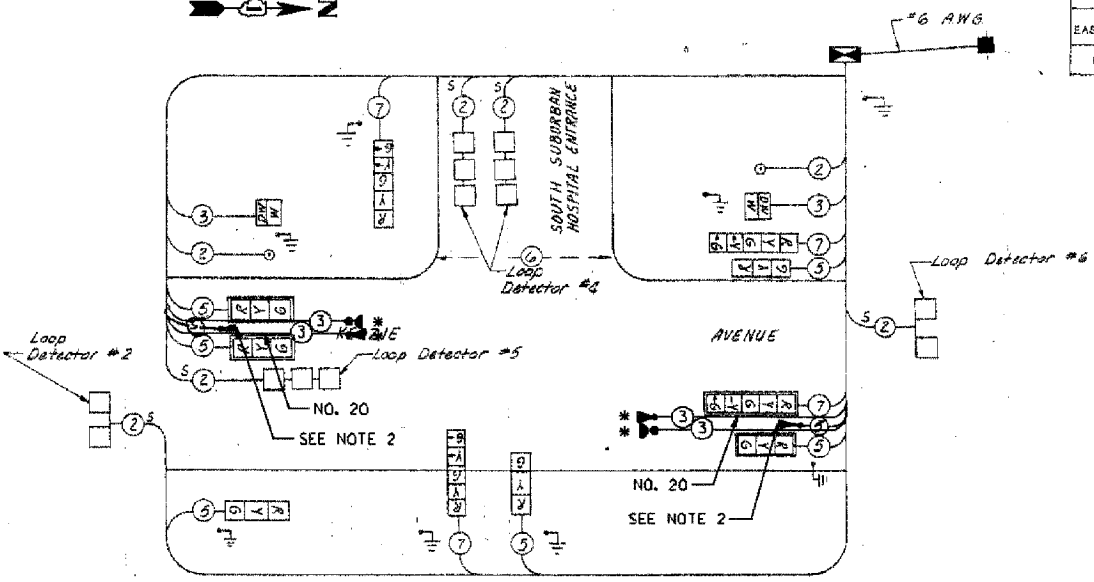


EMERGENCY VEHICLE SEQUENCE OF OPERATIONS

| PHASE | NORMAL 2+5 | NORMAL 2+6 | NORMAL 4 | CLEAR TO NORMAL SEQUENCE 2+5 |
|---|----------------------------|----------------------------|----------------------------|------------------------------|
| FROM NORMAL SEQUENCE INTERVAL NUMBER | 1 | 4 | 7 | |
| EMER. VEHICLE SEQUENCE INTERVAL NO. | 1A, 1B, 1C, 1D | 1E, 1F, 1G, 1H | 2A | |
| INTERVAL | 2, 1C, 1D, 2, 1F, 1G, 2 | | | |
| NORTHBOUND -- far left & left main arm | G, G, G, R, R, R | R, R, R, G, G, Y | R, R, R, G, G, Y | R, R, R, G, G, Y |
| NORTHBOUND -- right main arm & near right | G, G, G, R, R, R | R, R, R, G, G, Y | R, R, R, G, G, Y | R, R, R, G, G, Y |
| SOUTHBOUND -- all signals | R, G, Y, R, R, R, R | R, G, Y, R, R, R, R | R, G, Y, R, R, R, R | R, G, Y, R, R, R, R |
| EASTBOUND -- far left | R, R, R, R, G, Y, R, R | R, R, R, R, G, Y, R, R | R, R, R, R, G, Y, R, R | R, R, R, R, G, Y, R, R |
| EASTBOUND -- far right and near right | R, R, R, R, G, Y, R, R | R, R, R, R, G, Y, R, R | R, R, R, R, G, Y, R, R | R, R, R, R, G, Y, R, R |
| PED X - ING: west leg | DW, DW, DW, DW, DW, DW, DW | DW, DW, DW, DW, DW, DW, DW | DW, DW, DW, DW, DW, DW, DW | DW, DW, DW, DW, DW, DW, DW |

EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION.



PROPOSED SEQUENCE OF OPERATIONS

| MOVEMENT | 2+5 | 2+6 | 4 |
|---|--------------------------------|--------------------------------|--------------------------------|
| PHASE | 2+5 | 2+6 | 4 |
| INTERVAL | 1, 2, 3A, 3B, 4, 5, 6A, 6B | 7, 8A, 8B, 9A, 9B | |
| CHANGE TO: | | | |
| NORTHBOUND -- far left & left main arm | G, G, Y, R, G, G, Y, R | R, R, R, R, R, R, R, R | R, R, R, R, R, R, R, R |
| NORTHBOUND -- right main arm & near right | G, G, Y, R, G, G, Y, R | R, R, R, R, R, R, R, R | R, R, R, R, R, R, R, R |
| SOUTHBOUND -- all signals | R, R, R, R, G, Y, R, R | R, R, R, R, G, Y, R, R | R, R, R, R, G, Y, R, R |
| EASTBOUND -- far left | R, R, R, R, R, R, R, R | G, Y, R, Y, R, R, R, R | G, Y, R, Y, R, R, R, R |
| EASTBOUND -- far right and near right | R, R, R, R, R, R, R, R | G, Y, R, Y, R, R, R, R | G, Y, R, Y, R, R, R, R |
| PED X - ING: west leg | DW, DW, DW, DW, DW, DW, DW, DW | DW, DW, DW, DW, DW, DW, DW, DW | DW, DW, DW, DW, DW, DW, DW, DW |

* TO APPEAR ONLY ON PUSHBUTTON ACTUATION
 ** FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL.

CABLE PLAN LEGEND

| | PROPOSED | EXISTING |
|--|----------|----------|
| TRAFFIC SIGNAL CONTROLLER | | |
| EXISTING TRAFFIC SIGNAL CONTROLLER | | |
| INTERSECTION & SAMPLING (SYSTEM) DETECTORS | | |
| TRAFFIC SIGNAL CABLE NUMBER | | |
| LOOP DETECTOR CABLE | | |
| TRAFFIC SIGNAL DETAIL WALK SYMBOL | | |
| TRAFFIC SIGNAL DETAIL WALK DW LETTERS | | |
| TRAFFIC SIGNAL DETAIL BACKPLATE | | |
| TRAFFIC SIGNAL DETAIL LEFT TURN GREEN | | |
| TRAFFIC SIGNAL DETAIL LEFT TURN YELLOW | | |
| TRAFFIC SIGNAL DETAIL WALK DW LETTERS | | |
| TRAFFIC SIGNAL PRIORITY VEHICLE DETECTOR | | |
| TRAFFIC SIGNAL CONFIRMATION BEACON | | |
| TRAFFIC SIGNAL PEDESTRIAN PUSH BUTTON | | |
| TELEPHONE CONNECTION | | |
| GROUNDING SYSTEM CONNECTION | | |

NOTES

- THIS PLAN IS FOR THE PURPOSE OF INSTALLING EMERGENCY VEHICLE PREEMPTION EQUIPMENT AS SHOWN PER PLAN INDICATED IN THE SCHEDULE OF QUANTITIES. ALL OTHER EQUIPMENT SHOWN SHALL BE DISREGARDED.
- EXISTING LIGHT DETECTORS, LIGHT TRANSMITTERS, AND LIGHT DETECTOR AMPLIFIER REMOVED, TO BE RETURNED TO THE VILLAGE OF HAZEL CREST PUBLIC WORKS DEPARTMENT.

| SCHEDULE OF QUANTITIES | | |
|---|------|----------|
| PAY ITEM | UNIT | QUANTITY |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 265 |
| LIGHT DETECTOR | EACH | 2 |
| LIGHT DETECTOR AMPLIFIER | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED | FOOT | 265 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 265 |

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE OR MUNICIPALITY AS SPECIFIED IN THE SPECIAL PROVISION, AND SHALL BE STORED AS STATED IN THE SPECIAL PROVISION FOR PICK UP BY STATE OR MUNICIPALITY FORCES:

| | |
|--------|--------------------------|
| 2 EACH | LIGHT DETECTOR |
| 2 EACH | LIGHT TRANSMITTER |
| 1 EACH | LIGHT DETECTOR AMPLIFIER |

VILLAGE OF HAZEL CREST
LOCATION NO. 59

| | | |
|--|---|---|
| Globetrotters Engineering Corporation ENGINEERS ARCHITECTS 300 South Wacker Drive Chicago, Illinois 60606 | REVISIONS NAME DATE * ADDED EV PREEMPTION 01/02/08 | ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED EMERGENCY VEHICLE PREEMPTION CABLE PLAN, PHASE DESIGNATION DIAGRAM & SCHEDULE OF QUANTITIES SOUTH SUBURBAN HOSPITAL & KEDZIE AVENUE HAZEL CREST, ILLINOIS |
| | SCALE: VERT. N.T.S. HORIZ. | DRAWN BY SL CHECKED BY CT |