

### CABLE PLAN LEGEND

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|--|----------|----------------------------------|
|  | <b>G</b> | 8" TRAFFIC SIGNAL SECTION        |
|  | <b>R</b> | 12" TRAFFIC SIGNAL SECTION       |
|  | <b>P</b> | 12" PEDESTRIAN SIGNAL SECTION    |
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|  | <b>C</b> | CONTROLLER CABINET               |
|  | <b>S</b> | SERVICE INSTALLATION             |
|  | <b>V</b> | VEHICLE DETECTOR, INDUCTION LOOP |
|  | <b>M</b> | MAGNETIC DETECTOR                |
|  | <b>E</b> | EMERGENCY VEHICLE LIGHT DETECTOR |
|  | <b>B</b> | CONFIRMATION BEACON              |
|  | <b>D</b> | PUSHBUTTON DETECTOR              |
- DENOTES NUMBER OF CONDUCTORS.  
 ALL CABLE NO. 14 EXCEPT AS INDICATED.  
 ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- SIGNAL FACE WITH BACKPLATE.  
 \*P\* INDICATES PROGRAMMED.  
 \*E\* INDICATES EXISTING SIGNAL HEAD OR EXISTING PEDESTRIAN SIGNAL HEAD.  
 \*R\* INDICATES RELOCATED SIGNAL HEAD

### SCHEDULE OF QUANTITIES

PAY ITEM NUMBER	PAY ITEM	UNITS	TOTAL
8000000	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	444
8000000	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	55
8100000	HANDHOLE	EACH	3
8200000	ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 TYP.	FOOT	1326
8300000	DRILL EXISTING HANDHOLE	EACH	6
8400000	INDUCTIVE LOOP DETECTOR	EACH	4
8400000	DETECTOR LOOP TYPE 1	FOOT	240
8500000	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
8600000	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	50

FOR INFORMATION ONLY

### EXISTING SEQUENCE OF OPERATIONS

MOVEMENT	PHASE 1												PHASE 2				PHASE 3				L
	1	2	3A	3B	3C	4A	4B	4C	5	6	7A	7B	8A	8B	9	10	11A	11B	12A	12B	
INTERVAL																					
CHANGE TO																					
EB/WB DIVISION THROUGH ONLY INDICATIONS	G	G	Y	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
WB DIVISION THROUGH/LEFT INDICATIONS	G	G	G	Y	R	R	G	G	R	R	R	R	R	R	G	G	G	G	Y	R	R
EB DIVISION THROUGH/LEFT INDICATIONS	G	G	G	G	G	G	Y	R	G	G	G	G	Y	R	R	R	R	R	R	R	R
NS RIDGELAND ALL INDICATIONS	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	R	R	R	R	R	R	R
SB RIDGELAND ALL INDICATIONS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	Y	R	R
PEDESTRIAN INDICATIONS CROSSING RIDGELAND AVE.	*W	*FL DR	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
PEDESTRIAN INDICATIONS CROSSING EAST APPROACH OF DIVISION ST.	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	*W	*FL DR	DW	DW	DW	DW	DW
PEDESTRIAN INDICATIONS CROSSING WEST APPROACH OF DIVISION ST.	DW	DW	DW	DW	DW	DW	DW	DW	*W	*FL DR	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW

FOR INFORMATION ONLY

DESCRIPTION	UNITS	QUANTITY
TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	EACH	1
ELECTRIC CABLE IN CONDUIT, SIZE NO. 14 3C	FOOT	778
ELECTRIC CABLE IN CONDUIT NO. 20 3C, SHIELDED	FOOT	778
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1

- TO APPEAR UPON PUSHBUTTON ACTUATION
- FLASHING 'DON'T WALK'S TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL
- THIS 'WALK' INTERVAL MAY FINISH FIRST IN THE OBSERVATIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT APPROX TIME IS NOT SUFFICIENT TO COMPLETE 'WALK' OR FLASHING 'DON'T WALK' INTERVALS.
- 'WALK' AND FLASHING 'DON'T WALK' TIMINGS TO BE SET ONLY ON PHASES WHERE 'WALK' AND FLASHING 'DON'T WALK' ARE INDICATED IN THE SEQUENCE OF OPERATIONS.

INSTALLATION OF EMERGENCY VEHICLE PREEMPTION  
6-03-02  
OAK PAR-SHEET 277 OF 365

CHRISTOPHER B. BURKS ENGINEERING LTD.  
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Santa Rosa, CA 95407-1077

REVISIONS	DATE
1	6-03-02

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM  
RIDGELAND AVE. & DIVISION STREET

SCALE: NONE  
DATE: 09-04-08  
DRAWN BY: RV  
CHECKED BY: WEA

63112