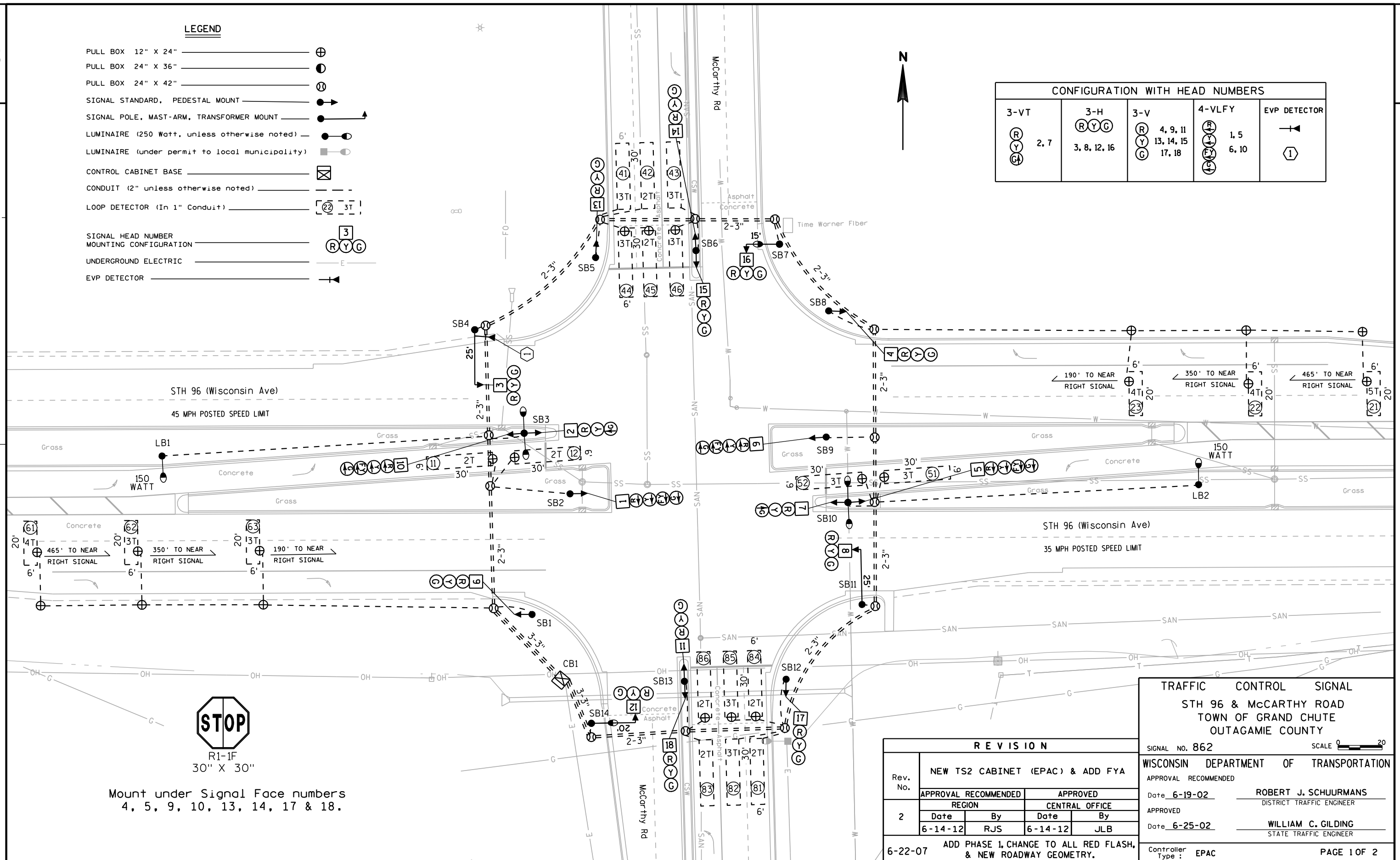


LEGEND

- PULL BOX 12" X 24"
- PULL BOX 24" X 36"
- PULL BOX 24" X 42"
- SIGNAL STANDARD, PEDESTAL MOUNT
- SIGNAL POLE, MAST-ARM, TRANSFORMER MOUNT
- LUMINAIRE (250 Watt, unless otherwise noted)
- LUMINAIRE (under permit to local municipality)
- CONTROL CABINET BASE
- CONDUIT (2" unless otherwise noted)
- LOOP DETECTOR (In 1" Conduit)
- SIGNAL HEAD NUMBER MOUNTING CONFIGURATION
- UNDERGROUND ELECTRIC
- EVP DETECTOR

| CONFIGURATION WITH HEAD NUMBERS | | | | |
|---------------------------------|--------------|----------------------------------|---------------|------------------|
| 3-VT | 3-H | 3-V | 4-VLFY | EVP DETECTOR |
| 2, 7 | 3, 8, 12, 16 | 4, 9, 11 13, 14, 15 17, 18 | 1, 5 6, 10 | |



TRAFFIC CONTROL SIGNAL
STH 96 & MCCARTHY ROAD
TOWN OF GRAND CHUTE
OUTAGAMIE COUNTY

SIGNAL NO. 862
SCALE 0 20

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 6-19-02
ROBERT J. SCHUURMANS
DISTRICT TRAFFIC ENGINEER

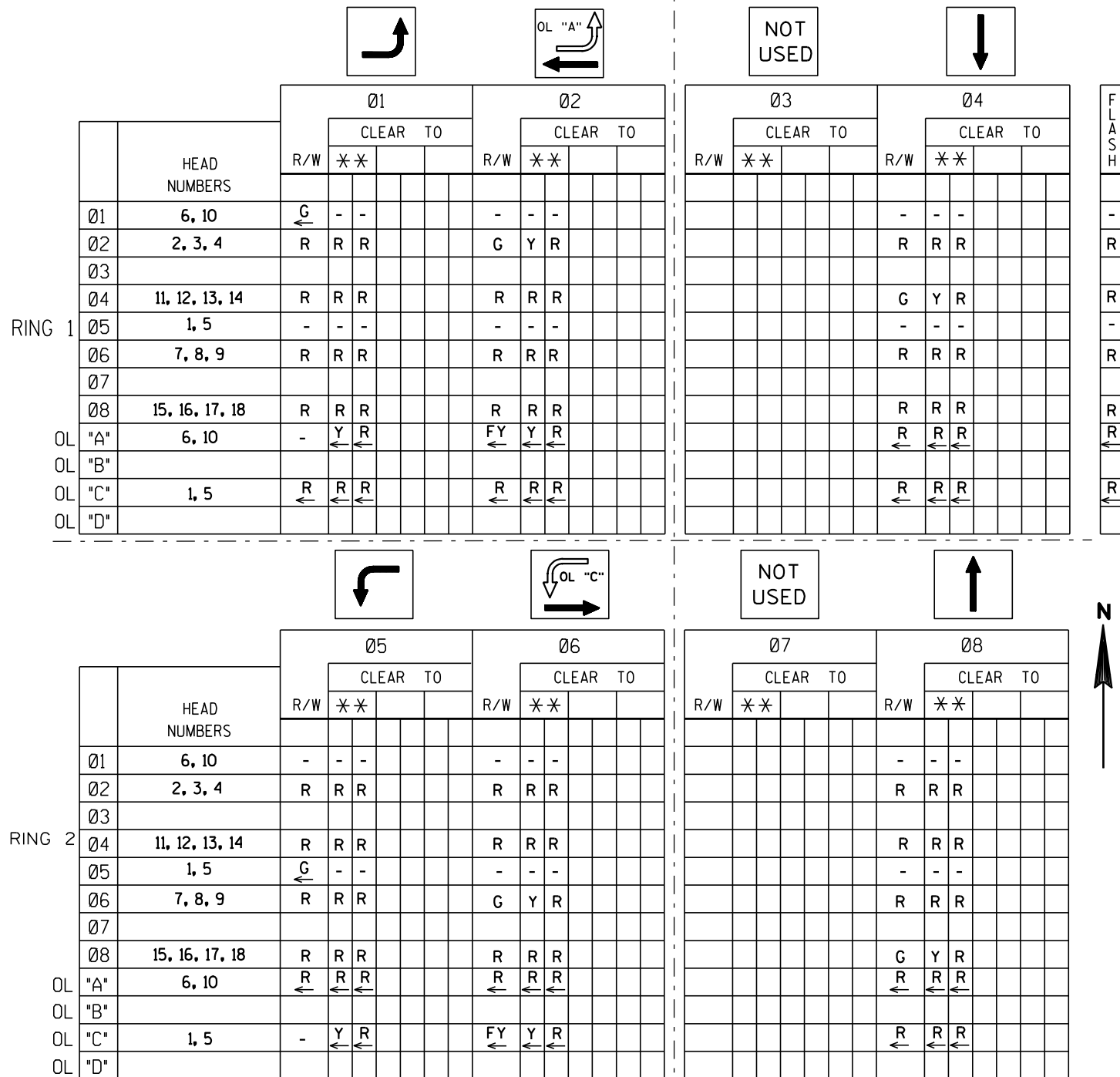
APPROVED
Date 6-25-02
WILLIAM C. GILDING
STATE TRAFFIC ENGINEER

Controller Type : EPAC

PAGE 1 OF 2

| REVISION | | | |
|----------|---|-----|----------------|
| Rev. No. | NEW TS2 CABINET (EPAC) & ADD FYA | | |
| 2 | APPROVAL RECOMMENDED | | APPROVED |
| | REGION | | CENTRAL OFFICE |
| | Date | By | Date By |
| | 6-14-12 | RJS | 6-14-12 JLB |
| 6-22-07 | ADD PHASE 1, CHANGE TO ALL RED FLASH, & NEW ROADWAY GEOMETRY. | | |

SEQUENCE OF OPERATION



** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

CHART 1

| PHASE ON | NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY | PHASES IN CONFLICT WITH PHASE ON |
|----------|---|----------------------------------|
| 01 | 5 or 6 | 2, 4, 8 |
| 02 | 5 or 6 | 1, 4, 8 |
| 03 | | |
| 04 | 8 | 1, 2, 5, 6 |
| 05 | 1 or 2 | 4, 6, 8 |
| 06 | 1 or 2 | 4, 5, 8 |
| 07 | | |
| 08 | 4 | 1, 2, 5, 6 |

DETECTOR LOGIC

| DETECTOR NUMBER | DETECTOR RACK NUMBER | DETECTOR OPERATION | | | PHASE CALLED | PHASE EXTENDED | DETECTOR DISCONNECT PHASE | CALLING DELAY | EXTENSION STRETCH | SIZE | NUMBER OF TURNS |
|-----------------|----------------------|--------------------|------------|--------------|--------------|----------------|---------------------------|---------------|-------------------|--------|-----------------|
| | | CALLS AND EXTENDS | CALLS ONLY | EXTENDS ONLY | | | | | | | |
| 11 | 3 | X | | | 1 | 1 | | | | 6'X30' | 2 |
| 12 | 4 | X | | | 1 | 1 | | | | 6'X30' | 2 |
| 21 | 1 | X | | | 2 | 2 | | | | 6'X20' | 5 |
| 22 | 2 | X | | | 2 | 2 | | | X | 6'X20' | 4 |
| 23 | 7 | X | | | 2 | 2 | | | | 6'X20' | 4 |
| 41 | 11 | X | | | 4 | 4 | | X | | 6'X30' | 3 |
| 42 | 12 | X | | | 4 | 4 | | | | 6'X30' | 2 |
| 43 | 9 | X | | | 4 | 4 | | | | 6'X30' | 3 |
| 44 | 10 | X | | | 4 | 4 | | X | | 6'X30' | 3 |
| 45 | 15 | X | | | 4 | 4 | | | | 6'X30' | 2 |
| 46 | 16 | X | | | 4 | 4 | | | | 6'X30' | 3 |
| 51 | 13 | X | | | 5 | 5 | | | | 6'X30' | 3 |
| 52 | 14 | X | | | 5 | 5 | | | | 6'X30' | 3 |
| 61 | 19 | X | | | 6 | 6 | | | | 6'X20' | 4 |
| 62 | 20 | X | | | 6 | 6 | | | X | 6'X20' | 3 |
| 63 | 17 | X | | | 6 | 6 | | | | 6'X20' | 3 |
| 81 | 21 | X | | | 8 | 8 | | X | | 6'X30' | 2 |
| 82 | 22 | X | | | 8 | 8 | | | | 6'X30' | 3 |
| 83 | 27 | X | | | 8 | 8 | | | | 6'X30' | 2 |
| 84 | 28 | X | | | 8 | 8 | | X | | 6'X30' | 2 |
| 85 | 25 | X | | | 8 | 8 | | | | 6'X30' | 3 |
| 86 | 26 | X | | | 8 | 8 | | | | 6'X30' | 2 |

CONTROLLER LOGIC

| PHASE NUMBER | PHASE LOCKING | DUAL ENTRY W / Ø | PHASE RECALL | PHASE ACTIVE |
|--------------|---------------|------------------|--------------|--------------|
| 1 | | | | YES |
| 2 | | | MIN | YES |
| 3 | | | | |
| 4 | | 8 | | YES |
| 5 | | | | YES |
| 6 | | | MIN | YES |
| 7 | | | | |
| 8 | | 4 | | YES |

OVERLAP SPECIAL

| | Protected | Permissive |
|--------|-----------|------------|
| OL "A" | 1 | 2 |
| OL "B" | | |
| OL "C" | 5 | 6 |
| OL "D" | | |

| TYPE OF INTERCONNECT COMMUNICATION | |
|------------------------------------|-------|
| NONE | |
| TBC | X |
| CLOSED LOOP TWISTED PAIR* | |
| CLOSED LOOP FIBER OPTIC* | |
| RADIO | |
| *LOCATION OF MASTER CONTROLLER NO: | S- |
| SIGNAL SYSTEM *: | SS- - |

TYPE OF COORDINATION

| | |
|--------------------|---|
| NONE | |
| TBC | X |
| TRAFFIC RESPONSIVE | |
| ADAPTIVE | |

TYPE OF PRE-EMPT

| | |
|-------------------|---|
| NONE | |
| RAILROAD | |
| EMERGENCY VEHICLE | X |
| 3M | X |
| TOMAR | |
| HARDWIRE | |
| OTHER | |
| LIFT BRIDGE | |
| QUEUE DETECTOR | |

TYPE OF LIGHTING

| | |
|----------------------------------|---|
| BY OTHER AGENCY | |
| IN TRAFFIC SIGNAL CABINET | X |
| IN SEPARATE DOT LIGHTING CABINET | |

EMERGENCY VEHICLE PREEMPTION

| | |
|----------------------------|-----|
| EMERGENCY VEHICLE DETECTOR | 1 |
| MOVEMENT | |
| PHASE | 2+5 |
| 3M CHANNEL | A |

REVISION 2

TRAFFIC CONTROL SIGNALS
STH 96 & MCCARTHY ROAD
TOWN OF GRAND CHUTE
OUTAGAMIE COUNTY

SIGNAL NO. 862

CONTROLLER TYPE: EPAC

DATE: 6-14-2012

PAGE NO. 2 OF 2

PROJECT NO: 0083-03-01

HWY: STH 96

COUNTY: OUTAGAMIE

SEQUENCE OF OPERATIONS S-862

SCALE, FEET $\frac{1}{4}$ " = 10'

SHEET NO:

E