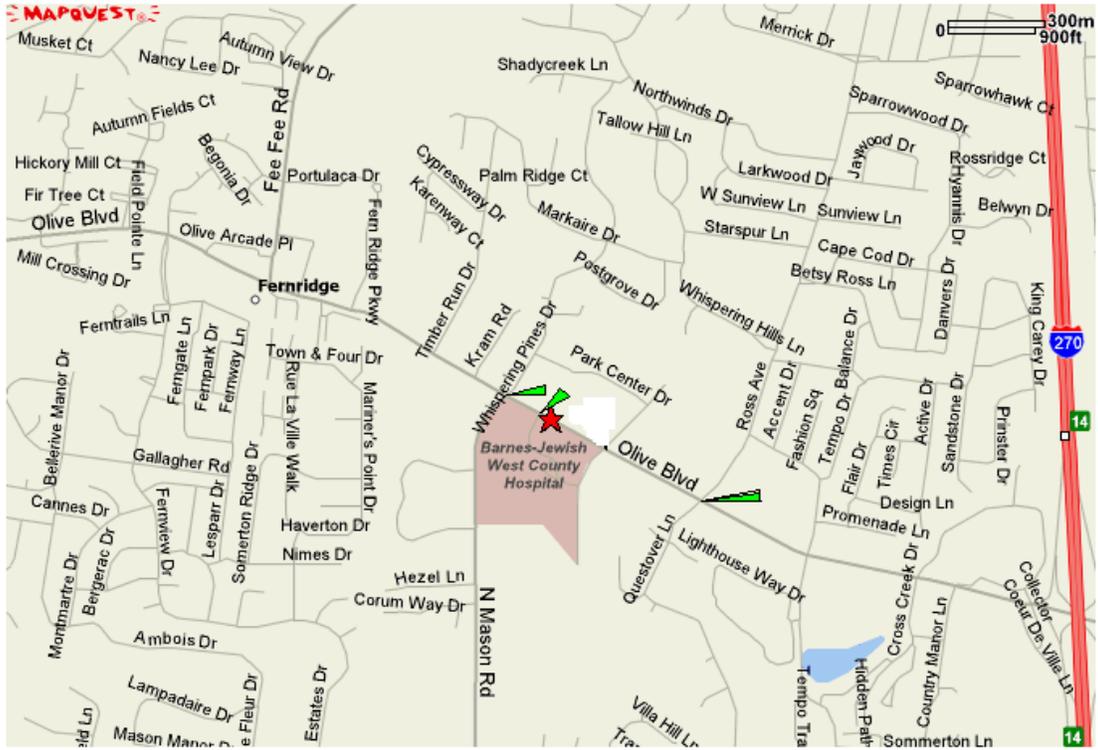
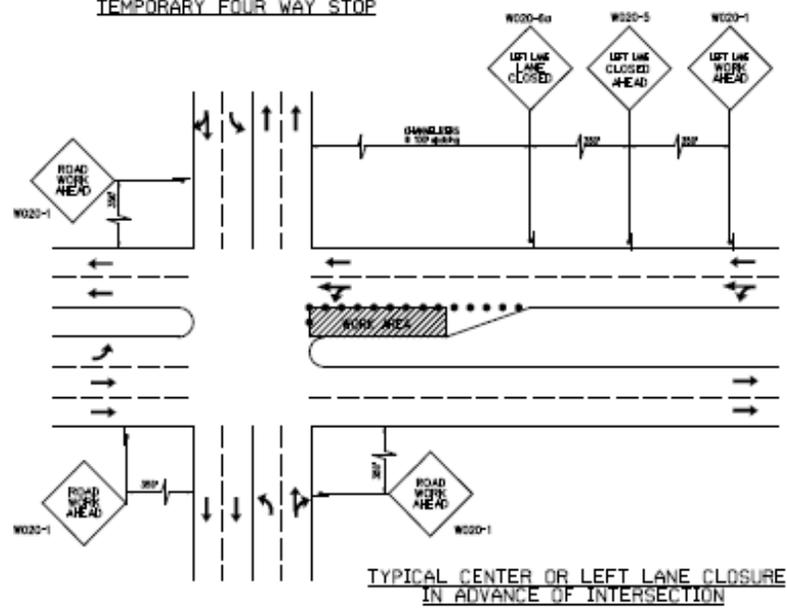
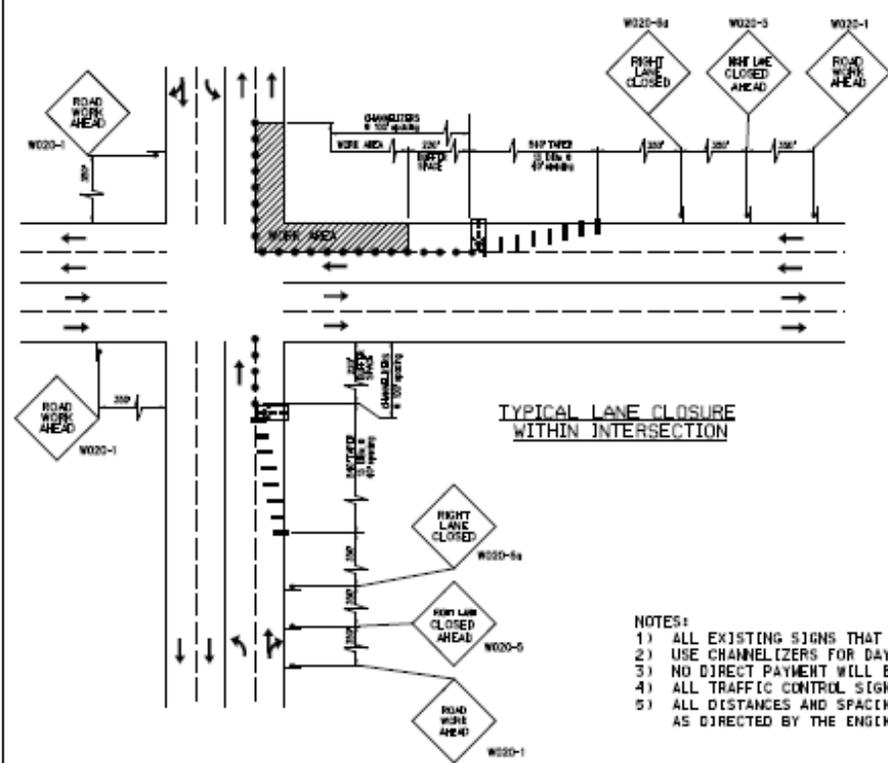
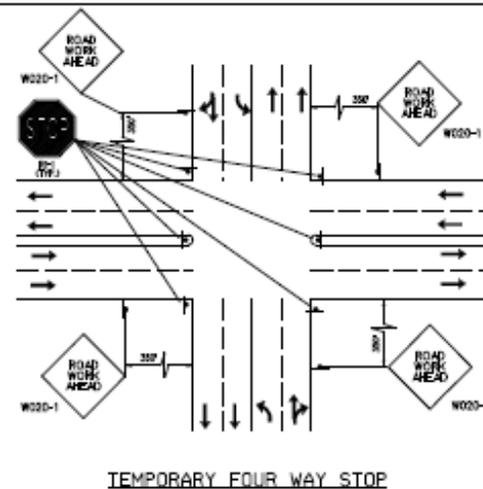
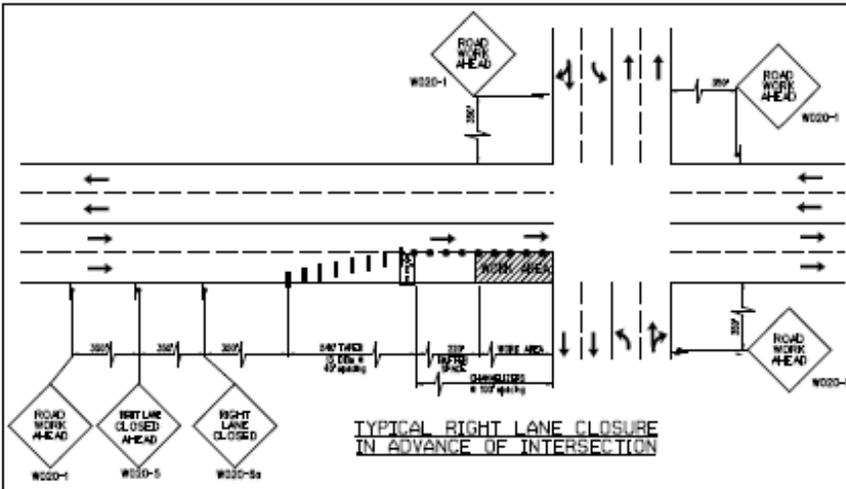


Map of Flashing Yellow Arrow Signal Work



ROUTE	340	STATE	MO	CITY	ST. LOUIS	PROJECT NO.	61
JOB NO.							
CONTRACT ID.							
PROJECT NO.							
COUNTY	ST. LOUIS	DATE					



LEGEND

- CONSTRUCTION SIGN
- FLASHING ARROW PANEL
- CHANNELIZER DRUM
- DIRECTIONAL INDICATOR BARRICADE WITH LIGHT

- NOTES:**
- 1) ALL EXISTING SIGNS THAT CONFLICT WITH PROPOSED TCP SHALL BE COVERED, NO DIRECT PAY.
 - 2) USE CHANNELIZERS FOR DAY AND NIGHT TIME OPERATION.
 - 3) NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING SIGNS, CHANNELIZERS OR ARROW PANELS.
 - 4) ALL TRAFFIC CONTROL SIGNS SHALL BE PORTABLE.
 - 5) ALL DISTANCES AND SPACING OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE, AND MAY BE REVISED, AS DIRECTED BY THE ENGINEER, TO FIT FIELD CONDITIONS.

NOT TO SCALE

TRAFFIC CONTROL PLAN

SHEET 1 OF 1



SSMLE-FYA SERIES

Enhanced NEMA Signal Monitor Units For Protected/Permissive Signal Displays Utilizing Flashing Yellow Arrows

For over 25 years, EDI continues to set the industry standard and provide traffic signal professionals with reliable, high quality mission critical component products that improve the performance and lifecycle of traffic control systems.

The SSMLE-FYA series signal monitors provide the highest level of fault monitoring for agencies utilizing the four section FYA movement outlined by the NCHRP Research Project 3-54 on Protective/Permissive signal displays with Flashing Yellow Arrows.

The SSMLE-FYA series signal monitor includes both six channel (SSM6LE-FYA) and twelve channel (SSM12LE-FYA) configurations.

SSMLE-FYA Standard NEMA TS-1 Features

- NEMA TS1 Standard:** The SSMLE-FYA series meets all specifications of NEMA Standard TS-1 1989 R2000, Part 6. Basic fault coverage includes Conflict, Red Fail, CVM, 24V-I and 24V-II. Dual Indication Monitoring detects simultaneous active signals on a channel. Clearance Monitoring assures proper sequencing of signals and a minimum yellow clearance interval. AC Line Monitoring responds to low AC Line voltages as well as interruptions.
- Flashing Yellow Arrow:** The SSM-12LE-FYA unit configures the odd numbered channels 1, 3, 5, and 7 to monitor the Protected Green Arrow phase, and channels 9, 10, 11, and 12 to monitor the associated Red, Yellow, and Flashing Yellow Overlap phases.
- The SSM-6LE-FYA unit configures the odd numbered channels 1 and 3 to monitor the Protected Green Arrow phase, and channels 5 and 6 to monitor the associated Red, Yellow, and Flashing Yellow Overlap phases.
- Channel pairs are enabled for the Flashing Yellow Arrow monitoring function by front panel switches. If the FYA function is not enabled for a channel pair, the associated channels operate normally.

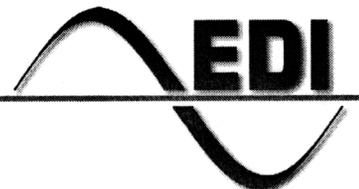
SSMLE-FYA Enhanced Features

- Full Intersection Display:** High contrast, large area Liquid Crystal Displays (LCD) show full intersection status with an active Red, Yellow, Green, and Walk indicator for each channel. Separate indicators identify channels involved in the fault.
- Event Logging:** The SSMLE series maintains a nonvolatile event log recording the complete intersection status as well as previous fault events, AC Line events, configuration changes, monitor resets, cabinet temperature and true RMS voltages for all AC inputs. A real time clock time stamps each log event with time and date.
- Signal Sequence:** The Signal Sequence History Log stored in nonvolatile memory graphically displays up to 30 seconds of signal status prior to the fault trigger event with 50ms resolution to ease diagnosing of intermittent and transient faults.
- EDI RMS-ENGINE:** A DSP coprocessor converts ac input measurements to True RMS voltages, virtually eliminating false sensing due to changes in frequency, phase, or sine wave distortion.
- Configuration Options:** Front panel options include GY Dual indication, +24V and CVM Latching, Red Fail Walk Disable, External Watchdog input, and CVM Log Disable.
- ECcom PC Software:** Access by a computer is provided by EDI ECcom Windows based software for status, event log review and archival, using the standard EIA-232 front panel port.

EBERLE DESIGN INC.

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Phoenix, AZ 85040 USA
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Tel (480) 968-6407
Fax (602) 437-1996



EB Route 340 @ Ross Road

Change the existing protected-only left turn signal head to a new four-section flashing yellow arrow head assembly.



WB Route 340 @ Ross Road

Change the existing protected-only left turn signal head to a new four-section flashing yellow arrow head assembly.

Rte 340 @ Ross Questover WB
St. Louis Co.
Log Point = 10.79
6-08-2000



EB Rte 340 at Barnes West

Change existing 5 section signal head to a protected-permissive 4-section flashing yellow arrow head assembly. Remove the "Left Turn Yield on Ball Green" sign and replace it with a "Left Turn Signal" sign.

**Rte 340 @ Barnes West EB
St. Louis Co.
L.P. 10.54
8-25-2000**



WB Route 340 @ Barnes West

Change existing 5 section head signal to a protected/permissive four-section flashing yellow arrowhead assembly. Remove the existing "Left Turn Yield on Ball Green" sign and replace it with "Left Turn Signal" sign.

Rte 340 @ Barnes West WB
St. Louis Co.
L.P. 10.54
8-25-2000



EB Route 340 @ Mason Road

Change the existing protected-only left turn signal head to a new four-section flashing yellow arrow head assembly.

Rte 340 @ Mason EB
St. Louis Co.
Log Point = 10.29
6-08-2000



WB Route 340 @ Mason Road

Change the existing protected-only left turn signal head to a new four-section flashing yellow arrow head assembly.

