



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

BUREAU OF ENGINEERING
SUITE 700, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-0791

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

TO: Chuck Rychen
Assistant Chief Engineer of Operations

FROM: *mf* Brad Freeze, Director of Traffic Operations

**SUBJECT: Proprietary Item Request and Justification
City of Springfield**

- 1) **Traffic Signal Controllers**
- 2) **Traffic Signal Emergency Pre-emption System**

1) **Traffic Signal Controllers:** The City of Springfield is requesting that Siemens/Eagle controllers be used in all signalization projects within the City over the next three years where Federal and/or State funding is used. The controller equipment includes Siemens M50 controllers. The following are justification items for this request:

The City of Springfield currently operates and maintains Siemens/Eagle controllers at all 21 signalized intersections within the City's jurisdiction. This request is necessary to maintain synchronization with the existing traffic signal systems. It should be noted that Siemens is the parent company of Eagle, but have the same communications (See attached letter).

The City of Springfield has been extensively trained to install, operate, maintain, program, and troubleshoot Siemens/Eagle controllers. By utilizing the Siemens/Eagle controller as the standard for the City, there will be a cost savings in stocking replacement equipment which will result in faster and less costly repair.

2) **Traffic Signal Emergency Pre-emption System:** The City of Springfield is requesting that Opticom Emergency Pre-emption System equipment be used in all signalization projects within the City over the next three years where Federal and/or State funding is used. The following are justification items for this request:

The City of Springfield currently operates and maintains Opticom Emergency Pre-emption System equipment at 15 of their 21 signalized intersections within the City's jurisdiction. As part of this system, all emergency response units in the City of Springfield have the Opticom system equipment installed and can utilize the Opticom system for traffic signal override during emergency situations. Specifying this Opticom system will ensure compatibility with the existing traffic signal system network of devices and software.

The City of Springfield has been extensively trained to install, operate, maintain, and troubleshoot Opticom Emergency Pre-emption System equipment. By utilizing the Opticom system as the standard for the City, there will be a cost savings in stocking replacement equipment which will result in faster and less costly repair.

I, Brad Freeze, Director of the Traffic Operations Division of the Tennessee Department of Transportation, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that the patented or proprietary items listed above are essential for the synchronization of existing facilities.



Assistant Chief Engineer of Operations



Date



CITY OF SPRINGFIELD

Public Works Department
Street • Sanitation • Vehicle Maintenance

2809 Clinard Drive
SPRINGFIELD, TN 37172
Telephone (615) 384-2746
Fax (615) 382-2205

January 21, 2015

Jennifer Lloyd, PE
Director, Roadway Design Division
Tennessee Department of Transportation
505 Deaderick Street, 12th Floor
Nashville, Tennessee 37243

RE: Project # STP/NH/DEMO-65(8)
Pin # 102239.00
Limits: SR-65 from Springfield City Limits (Walling Road) to SR-11(US-41)
Robertson County

Dear Ms. Lloyd:

The City of Springfield's Board of Mayor and Aldermen met in regular session on January 20, 2015 and voted to approve the signalization of the intersection of Watson Road /SR 65 (Tom Austin Highway) for the above referenced project.

Furthermore, the City is requesting that this as well as other traffic signals be a cantilever arm design as utilized in all previous construction on SR-65 within the city limits of Springfield. The traffic signal operational controller system used throughout the city of Springfield is an Eagle Brand, EPAC -300.

Also, all emergency response units (fire and ambulance) utilize an "Opticon" system to override the traffic signal controllers for emergency situations throughout the City of Springfield.

Thank you for your cooperation in this matter.

If I can be of any further assistance, please do not hesitate to contact me.



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Yours truly,


Billy P. Carneal, Mayor

ASE

XC: Paul Nutting, City Manager
Mike Tugwell, TDOT
Bradley Martin, TDOT
Melissa Shull, TDOT
Allan S. Ellis, City of Springfield

TRAFFIC LIGHT LOCATIONS

Arranged by State Highways		Eagle 300	Opticom
US Highway 41	10th Ave E & Memorial Blvd (#7-Wendy's)	X	X
	16th Ave & Memorial Blvd (#4-Advance Auto Parts)	X	X
	5th Ave & Memorial Blvd (#8-BP Station)	X	X
	Black Patch Dr & Memorial Blvd (#1A-Kroger)	X	X
	Central Ave & Memorial Blvd (#5-Bowling Alley)	X	X
	Hwy 41 N & Hwy 431 N (#9-North of Town)	X	
	Industrial Dr & Memorial Blvd (#6-O'Reilly's)	X	X
	Memorial Blvd & Industrial Dr (#1-Payne Chevy)	X	X
	Memorial Blvd & Mooreland (#3-Shoney's)	X	X
	Tom Austin Hwy & Memorial Blvd (#2-Rite Aid)	X	X
US Highway 431	Tom Austin Hwy & 22nd Ave E	X	X
	Tom Austin Hwy & Nicklaus Dr (Wal-Mart)	X	X
SR Highway 49	5th Ave & Main St	X	
	Central Ave & 5th Ave W	X	X
	Hwy 49 E & Bill Jones Industrial Dr	X	X
	7th Ave E & Main St (Downtown)	X	X
SR Highway 76	Hwy 49 E & Hwy 76 E (Springfield High School)	X	
Other	Central Ave & Richard St (Cemetery)	X	
	Central Ave & S Main St	X	X
	8th Ave & Willow St	X	
	Black Patch Dr & Driftwood Dr	X	

3-Aug-15



Mr. Ellis

The EagleM50 controller is the same as the SiemensM50 controller. Siemens was the parent company to Eagle Traffic products.

If you have any questions please let me know.

Thank you,

Tim Olinger

Temple, INC.

Temple, Inc.

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