



CITY OF WASHINGTON, ILLINOIS

Public Works Committee Agenda Communication

Meeting Date: December 7, 2020

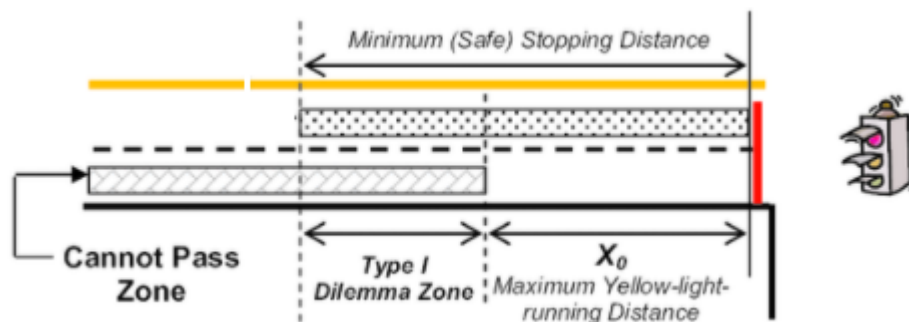
Prepared By: Dennis Carr – City Engineer

Agenda Item: Funding Method Resolution – IDOT Installation of Dilemma Zone Detection

Explanation: IDOT had previously reached out to local municipalities to discuss a signal project they were putting out for bid. IDOT will be upgrading LED lights as well as installing dilemma zone detection on state routes in Washington, East Peoria, Peoria, Germantown Hills, Pekin, and Tazewell and McDonough Counties. The project is 90% federally funded with the state and city to make up the final 10%. This 10% is broken up according to the ownership responsibility of the signals.

The project will install dilemma zone detection at Freedom Parkway and US 24 as well update the lights at the intersection to LED. Detector Loops will be installed on EB US 24 (Boyd Parkway) and Dilemma Zone Detection will be installed at US 24 and IL 8. The lighting at US 24 and IL 8 will also be upgraded to LED.

The dilemma zone is the area approaching a signal where the vehicle cannot safely clear the intersection during the yellow light, but also might struggle to stop safely by the stop bar, depending on reaction times of a driver, other vehicles maneuvering, and the speed they are going. These vehicles are more likely to be involved in a rear end crash or right-angle crash. The dilemma zone detection system will lengthen the “All Red Phase” to allow for additional clearance time if a vehicle were to enter the dilemma zone and continue through the intersection.



Total Local Funding Required - \$7,860

Fiscal Impact: Staff budgeted for \$32,000 for the purchase of traffic signals including \$27,000 for overhead street light LED upgrades.

\$7,860 will be paid for out of the following accounts:

100-03-800-5000

Recommendation Summary:

IDOT and the City have an agreement on the maintenance responsibility of signals. Dilemma Zone Detection will make the intersections safer for our citizens, and with the project being 90% federally funded, this is a huge discount for the City.

Staff recommends passing the resolution to fund the local portion of the project.

Action Requested: Place this resolution on tonight's City Council meeting agenda for approval.

Various Routes
Section: D4 Signal Installation 2021
Various Counties
Installation of dilemma zone detection and
LED lighting at various intersections
Contract No. 68G06
Catalog No.: 036122-00D
Agreement No.: JN-421-004

AGREEMENT

This Agreement, entered into this _____ day of _____, A.D., 2020, by and between the STATE OF ILLINOIS, acting by and through its DEPARTMENT OF TRANSPORTATION hereinafter called the STATE, and the CITY OF WASHINGTON, of the State of Illinois, hereinafter called the CITY.

WITNESSETH

WHEREAS, the STATE, in order to facilitate the free flow of traffic and ensure safety to the motoring public is desirous of modernizing traffic signals as shown in "Attachment 1" attached hereto and made a part hereof, by installing dilemma zone detection systems at two (2) intersections; 1 – Bus US 24 & Washington Rd and 2 – Bus US 24 & Centennial Dr/Freedom Pkwy and a traffic detection loop installed on US 24 Boyd Pkwy in the Eastbound lanes near Cummings Ln as shown in the attached plans, and by performing all other work necessary to complete the improvements in accordance with the approved plans and specifications; and

WHEREAS, the CITY is desirous of said improvements in that same will be of immediate benefit to the motoring and pedestrian public and permanent in nature;

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties hereto agree as follows:

1. The STATE agrees to make the surveys, prepare plans and specifications, receive bids and award the contract, furnish engineering inspection during construction, and cause the improvement to be built in accordance with the plans and specifications within the contract.
2. The STATE agrees to pay all Construction and engineering costs subject to reimbursement by the CITY as hereinafter stipulated.

3. It is mutually agreed by and between the parties hereto that the estimated cost proration for this improvement is as follows:

<u>TYPE OF WORK</u>	<u>FEDERAL COST (%)</u>	<u>STATE COST</u>	<u>CITY COST (%)</u>	<u>TOTAL COST</u>
Modernize Traffic Signals at				
Bus US 24 & Washington Road	34,200 (90)	2,530 (6.7)	1,270(3.3)	38,000
Prelim Engineering (5%)	0	1,835 (96.7)	65 (3.3)	1,900
Const Engineering (10%)	3,420 (90)	255 (6.7)	125 (3.3)	3,800
Modernize Traffic Signals at				
Bus US 24 & Centennial	36,000 (90)	0	4,000 (10)	40,000
Dr/Freedom Pkwy				
Prelim Engineering (5%)	0	0	2,000 (100)	2,000
Const Engineering (10%)	3,600 (90)	0	400 (10)	4,000
Remaining Construction	595,800 (90)	66,200 (10)	0	662,000
Prelim Engineering (5%)	0	33,100 (100)	0	33,100
Const Engineering (10%)	59,580 (90)	6,620 (10)	0	66,200
TOTALS	\$732,600	\$111,540	7,860	\$851,000

Participation and reimbursement shall be predicated on the percentages shown above for the specified work. Cost shall be determined by multiplying the final quantities times contract unit prices plus 15% for construction and preliminary engineering. Participation toward the traffic signal improvements shown above shall not exceed 125% of their estimated construction and engineering cost.

4. The CITY has passed a resolution appropriating sufficient funds to pay its share of the cost of these improvements, a copy of which is attached hereto as "Exhibit A" and made a part of hereof. The CITY further agrees that upon award of the contract for these improvements, the CITY will pay to the DEPARTMENT OF TRANSPORTATION of the STATE OF ILLINOIS in a lump sum from any funds allotted to the CITY an amount equal to 80% of its obligation incurred under this Agreement, and will pay to the said DEPARTMENT the remainder of the obligation (including any non-participating costs on FA Projects) in a lump sum, upon completion of the project based upon final costs.
5. The CITY agrees to provide prior to the STATE's advertising for the work to be performed hereunder approval of the plans, by resolution or letter, or by signing the Plan Approval sheet which is part of this document.
6. The CITY shall exercise its franchise right to cause private utilities to be relocated, if required, at no expense to the STATE.

7. The CITY agrees to cause its utilities installed on right of way after said right of way was acquired by the STATE or installed within the limits of a roadway after the said roadway's jurisdiction was assumed by the STATE, to be relocated and/or adjusted, if required, at no expense to the STATE.
8. Upon final inspection of the improvement, the STATE and CITY will continue their respective maintenance and electrical energy responsibilities for the traffic signals at the intersections of Bus US 24 & Washington Road and Bus US 24 & Centennial Dr/Freedom Parkway in accordance with the existing master agreement or in accordance with any such Master Agreement that may be executed in the future.
9. The parties hereby mutually agree that the obligations of the parties will cease immediately without penalty being required if, in any fiscal year, the Illinois General Assembly or Federal funding source fails to appropriate or otherwise make available funds for this contract.
10. This Agreement and the covenants contained herein shall be null and void in the event the contract covering the construction work contemplated herein is not awarded within three years subsequent to execution of the Agreement.
11. The CITY certifies that its correct Federal Taxpayer Identification Number is 37-6002187 and the CITY is doing business as a municipality whose mailing address is 301 Walnut St., Washington, Illinois 61571

Various Routes
Section: D4 Signal Installation 2021
Various Counties
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Catalog No.: 036122-00D
Agreement No.: JN-421-004

This Agreement shall be binding upon and to the benefit of the parties hereto, their successors and assigns.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF WASHINGTON

By: _____
Kensil A. Garnett
Region Three Engineer

By: _____
Gary Manier, Mayor

Date: _____

Date: _____

Attest: _____
Valeri Brod, City Clerk

(SEAL)

TIN CERTIFICATION

The CITY certifies that:

1. The number shown on this form is the CITY's correct taxpayer identification number (or the CITY) is waiting for a number to be issued to them), and
2. The CITY is not subject to backup withholding because: (a) the CITY is exempt from backup withholding, or (b) the CITY has not been notified by the Internal Revenue Service (IRS) that the CITY is subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that the CITY no longer subject to back-up withholding, and
3. The CITY's person with signatory authority for this AGREEMENT is a U. S. person (including a U.S. resident alien).

Taxpayer Identification Number: 37-6002187

Legal Status

- | | |
|---|---|
| ☐ Individual | ☒ Government |
| ☐ Sole Proprietor | ☐ Nonresident Alien |
| ☐ Partnership/Legal Corporation | ☐ Estate or Trust |
| ☐ Tax-exempt | ☐ Pharmacy (Non Corp.) |
| ☐ Corporation providing or billing medical and/or health care services | ☐ Pharmacy/Funeral home /Cemetery |
| ☐ Corporation NOT providing or billing medical and/or health care services | ☐ Limited Liability Company (select applicable tax classification) |
| ☐ Other _____ | ☐ D= Disregarded entity |
| | ☐ C= Corporation |
| | ☐ P= Partnership |

Signature _____ Date _____



**Illinois Department
of Transportation**

Agreement Funding Method Payment

Route: Various

Agreement No.: JN-421-004

Section: D4 Misc Signal Installation 2020

Catalog No.: 036122-00D

Counties: Various

Resolution No.: _____

**EXHIBIT "A"
FUNDING RESOLUTION**

WHEREAS, the CITY OF WASHINGTON (CITY) has entered into an AGREEMENT with the State of Illinois for the installation of dilemma zone detection systems and vehicle detection loops; and

WHEREAS, in compliance with said AGREEMENT, it is necessary for the CITY to appropriate sufficient funds to pay its share of the cost of said improvement.

NOW, THEREFORE, BE IT RESOLVED, that there is hereby appropriated the sum of seven thousand eight hundred sixty Dollars (\$7,860), or so much thereof as may be necessary, from any money now or hereafter allotted to the CITY to pay its share of the cost of this improvement as provided in the AGREEMENT; and

BE IT FURTHER RESOLVED, that upon award of the contract for this improvement, the CITY will pay to the DEPARTMENT OF TRANSPORTATION of the STATE OF ILLINOIS in a lump sum from any funds allotted to the CITY, an amount equal to 80% of its obligation incurred under this AGREEMENT, and will pay to the said DEPARTMENT the remainder of the obligation in a lump sum, upon completion of the project based on final costs.

BE IT FURTHER RESOLVED that the CITY agrees to pass a supplemental resolution to provide necessary funds for its share of the cost of this improvement if the amount appropriated herein proves to be insufficient to cover said cost.

STATE OF ILLINOIS)
) ss
COUNTY OF TAZEWELL)

I, _____, City Clerk in and for the CITY OF WASHINGTON, State of Illinois, hereby certify the foregoing to be a true, perfect, and complete copy of the resolution adopted by the CITY at its meeting on _____, 2020.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this _____ day of _____, AD., 2020.

Valeri Brod, City Clerk

(SEAL)

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I approve the portions of the final plans for the above-captioned project that pertain to the maintenance obligations of the City of Washington.

Gary Manier, Mayor

Date

Washington

