

**CLARK COUNTY
STAFF REPORT**

DEPARTMENT/DIVISION: Public Works / Transportation Programming

DATE: March 25, 2014

REQUEST: Establishment of County Road Project (CRP) No. 320622, Hazel Dell-Felida Traffic Signal Optimization (TSO) Project and CRP No. 321322, Barberton Traffic Signal Optimization (TSO) Project and approval of the "Notice to Contractors" to advertise for bids.

CHECK ONE: Consent _____ Chief Administrative Officer

PUBLIC WORKS GOALS:

- Provide safe and efficient transportation systems within Clark County
- Continue responsible stewardship of public funds
- Promote family-wage job creation and economic development to support a thriving community
- Maintain a desirable quality of life
- Improve environmental stewardship and protection of natural resources
- Increase partnerships and foster an engaged, informed community
- Make Public Works a great place to work

BACKGROUND:

The Hazel Dell-Felida TSO Project will improve and coordinate the operation of 5 traffic signals along NW 78th Street, NW 99th Street and Hazel Dell Avenue. Improvements include new or modified traffic signal controller equipment, permanent vehicle count stations, Ethernet communication via fiber optic, radio and/or copper interconnect to the county's central traffic control center, pavement temperature sensors, Bluetooth readers and pan-tilt-zoom camera installation at key locations.

The Barberton TSO Project will improve and coordinate the operation of 8 traffic signals along NE 72nd Avenue between NE 88th Street and NE 199th Street, St. Johns Road between La Londe Drive and NE 72nd Avenue, La Londe Drive east of NE 50th Avenue, and NE 50th Avenue between NE 119th Street and La Londe Drive. Improvements include new or modified traffic signal controller equipment, permanent vehicle count stations, Ethernet communication via fiber optic, radio and/or copper interconnect to the county's central traffic control center, pavement temperature sensors, Bluetooth readers and pan-tilt-zoom camera installation at key locations. NE 72nd Avenue southbound between NE 119th Street and St. Johns will also be re-stripped to add a second travel lane, relieving congestion.

The construction documents are complete and Clark County Public Works is ready to advertise the contract for bids. The advertisement is contained in the attached "Notice to Contractors".

COMMUNITY OUTREACH:

This project is included in the adopted 2014-2019 Transportation Improvement Program (TIP). The TIP development undergoes a wide array of public input processes, including a public hearing, SEPA, and an internet web site.

BUDGET AND POLICY IMPLICATIONS: There are no budget or policy implications associated with this request. The 2014 Annual Construction Program includes these projects (item Number 5 and 6).

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4/2*

PW 14-025

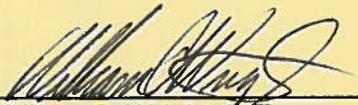
FISCAL IMPACTS:

Yes (See Attached Fiscal Impacts Form)

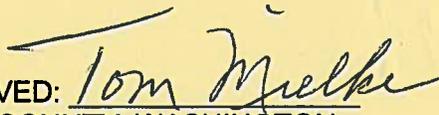
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ACTION REQUESTED: It is requested that the Board of County Commissioners sign two copies of CRP #320622 and 321322. It is also requested that the Chair approve the attached "Notice to Contractors" to advertise the construction contract for bids. In addition, please include the bid opening in the Board's public hearing scheduled for **2:00 p.m., Tuesday, April 15, 2014**. Bid award is scheduled April 22, 2014.

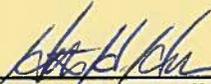
DISTRIBUTION: Please retain one (1) signed copy of the CRP resolution for the Board's records and return one (1) originally-signed duplicate to the Department of Public Works Transportation Programming, attention Susan Wilson. In addition, please provide this department with a copy of the approved Staff Report.



William C. Wright, P.E.
Transportation Programming Manager

APPROVED: 

CLARK COUNTY, WASHINGTON
BOARD OF COMMISSIONERS



Heath Henderson, P.E.
Public Works Director/County Engineer

March 25, 2014 SR 63-14

c: Bill Wright, PW Grant Records

Attachments: Fiscal Impact Statement
Resolution (2)
Notice to Contractors
Vicinity Map

PW14-025

FISCAL IMPACT ATTACHMENT

Part I: Narrative Explanation

I.A - Explanation of what the request does that has fiscal impact and the assumptions for developing revenue and costing information.

The Hazel Dell-Felida Traffic Signal Optimization (TSO) Project will improve and coordinate the operation of 5 traffic signals along NW 78th Street, NW 99th Street and NE Hazel Dell Avenue. Improvements include new or modified traffic signal controller equipment, permanent vehicle count stations, Ethernet communication via fiber optic, radio and/or copper interconnect to the county's central traffic control center, pavement temperature sensors, Bluetooth readers and pan-tilt-zoom camera installation at key locations. CRP# 320622.

The Barberton Traffic Signal Optimization (TSO) Project will improve and coordinate the operation of 8 traffic signals along NE 72nd Avenue between NE 88th Street and NE 199th Street, NE St. Johns Road between NE La Londe Drive and NE 72nd Avenue, NE La Londe Drive east of NE 50th Avenue, and NE 50th Avenue between NE 119th Street and NE La Londe Drive. Improvements include new or modified traffic signal controller equipment, permanent vehicle count stations, Ethernet communication via fiber optic, radio and/or copper interconnect to the county's central traffic control center, pavement temperature sensors, Bluetooth readers and pan-tilt-zoom camera installation at key locations. NE 72nd Avenue southbound between NE 119th Street and NE St. Johns will also be re-stripped to add a second travel lane, relieving congestion. CRP# 321322

Hazel Dell-Felida: The total construction cost for this project includes \$314,000 in Federal CMAQ funds and \$341,672 in local funds for a total cost of \$655,672 to be funded in the 2013/2014 biennium.

Barberton - The total construction cost for this project includes \$632,000 in Federal CMAQ funds and \$306,432 in local funds for a total cost of \$938,432 to be funded in the 2013/2014 biennium.

This project is programmed in the 2014-2019 Transportation Improvement Program (TIP).

Part II: Estimated Revenues

Fund #/Title	Current Biennium (2013-14)		Next Biennium		Second Biennium	
	Road Fund	Total	Road Fund	Total	Road Fund	Total
1012 Road Fund	\$1,594,104	\$1,594,104				
Total:	\$1,594,104	\$1,594,104	\$0	\$0	\$0	\$0

II.A - Describe the type of revenue (grant, fees, etc.)

Federal Grant Funds = \$946,000
 County Road Fund = \$648,104

Part III: Estimated Expenditures

III.A - Expenditures summed up

Fund #/Title	FTE's	Current Biennium (2013-14)		Next Biennium		Second Biennium	
		Road Fund	Total	Road Fund	Total	Road Fund	Total
1012 Road Fund		\$1,594,104	\$1,594,104				
Total:		\$1,594,104	\$1,594,104	\$0	\$0	\$0	\$0

III.B = Expenditure by object category

Fund #/Title	Current Biennium (2013-14)		Next Biennium		Second Biennium	
	Road Fund	Total	Road Fund	Total	Road Fund	Total
Salary/Benefits	\$159,410	\$159,410				
Consultant						
Supplies						
Travel						
Other controllables						
Capital Outlays	\$1,434,694	\$1,434,694				
Inter-fund Transfers						
Debt Service						
Total:	\$1,594,104	\$1,594,104	\$0	\$0	\$0	\$0

BEFORE THE BOARD OF COUNTY COMMISSIONERS OF CLARK COUNTY, WASHINGTON
 in the matter of initiating a county road project designated as CRP No. 320622 & CRP No. 321322
 IT IS HEREBY RESOLVED THAT Hazel Dell-Felida TSO and Barberton TSO
 FROM NW Lakeshore Avenue to NE Hazel Dell Avenue and NE 199th Street to NE 88th Street

State Road Log No. various locations FROM various locations to be improved as follows:

The Hazel Dell-Felida Traffic Signal Optimization (TSO) Project will improve and coordinate the operation of 5 traffic signals along NW 78th Street, NW 99th Street and NE Hazel Dell Avenue. Improvements include new or modified traffic signal controller equipment, permanent vehicle count stations, Ethernet communication via fiber optic, radio and/or copper interconnect to the county's central traffic control center, pavement temperature sensors, Bluetooth readers and pan-tilt-zoom camera installation at key locations.

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IT IS FURTHER RESOLVED that an appropriation from the officially adopted road fund budget, and based on the County Engineer's estimate, is hereby made in the amounts and for the purposes shown:

	Federal Funds	Road Funds	TOTAL	Budget Year	
				2013	2014
Construction	\$946,000	\$648,104	\$1,594,104	\$0	\$1,594,104
TOTAL	\$,946,000	\$648,104	\$1,594,104	\$0	\$1,594,104

(Check appropriate box)

- This project is included in the officially adopted 2014 Annual Construction Program, as Item No. 5 & 6.
- The project is hereby made a part of the officially adopted Annual Road Program in accordance with RCW 36.81.130, BY SIGNATURE OF ALL BOARD MEMBERS.

IT IS FURTHER RESOLVED THAT :

- The construction is to be accomplished by contract in accordance with RCW 36.77.020 et.seq.
- The construction is to be accomplished by County forces in accordance with RCW 36.77.060 and WAC 136-18.

ADOPTED this 25 day of March, 2014.
 ATTEST:

Jana Redline
 Deputy Clerk of the Board

BOARD OF COUNTY COMMISSIONERS
 CLARK COUNTY, WASHINGTON

Tom Mielke
 Tom Mielke, Chair

 David Madore, Commissioner

 Steve Stuart, Commissioner

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ADOPTED this 25 day of March, 20 14.
ATTEST:

BOARD OF COUNTY COMMISSIONERS
CLARK COUNTY, WASHINGTON

deputy
Jana Redline
Clerk of the Board

Tom Mielke
Tom Mielke, Chair

David Madore, Commissioner

Steve Stuart, Commissioner



CLARK COUNTY
WASHINGTON

proud past, promising future

PUBLIC WORKS

NOTICE TO CONTRACTORS
PAGE 1 OF 3

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that sealed bids will be received until **1:50 P.M. on Tuesday, April 15, 2014**, by the Clark County Board of County Commissioners through the General Services Purchasing Department, 1300 Franklin Street, Suite 650, Vancouver, Washington 98660, for the **Barberton Traffic Signal Optimization, CRP No. 321322 & Hazel Dell/Felida Traffic Signal Optimization, CRP No. 320622**; and other work; then publicly opened and read aloud at the Commissioners' Hearing Room, 6th Floor of the Public Service Center, 1300 Franklin Street, Vancouver, Washington 98660, at 2:00 P.M. on **Tuesday, April 15, 2014**, or as soon thereafter as the matter may be heard.

Project Description – Barberton Traffic Signal Optimization

This project will connect seven existing traffic signals to Clark County's central control system, extending remote management of traffic flow to central Clark County. The project will also connect these signals and data stations with Ethernet communications. Examples of signal equipment and systems include:

- New pan-tilt-zoom cameras
- Pavement temperature sensors
- Opticom upgrades to support Transit Signal Priority,
- Multiple intersections will be equipped with Bluetooth readers.
- This project will replace obsolete and inoperative equipment, upgrade traffic detection, add remote monitoring, and control functionality to the intersections.

Project Description - Hazel Dell/Felida Traffic Signal Optimization

This project will connect five existing traffic signals to Clark County's central control system, extending remote management of traffic flow to western Clark County. The project will also connect these signals with Ethernet communications. Examples of signal equipment and systems include:

- New pan-tilt-zoom cameras
- Pavement temperature sensors
- Opticom upgrades to support Transit Signal Priority
- This project will replace obsolete and inoperative equipment, upgrade traffic detection, add remote monitoring, and control functionality to the intersections.

Primary bid items: Traffic Signal System; Traffic Signal Fiber Optic Communication System; Fiber Optic System Testing; Permanent Signing;

AND OTHER RELATED WORK/CONTRACT ITEMS

Barberton Traffic Signal Optimization & Hazel Dell/Felida Traffic Signal Optimization
Roadway Improvement Project
Federal Aid Project No. CM-9906(031) & CM-9906(037)
CRP No's. 321322 & 320622

NOTICE TO CONTRACTORS
PAGE 2 OF 3

Plans, specifications, addenda, bid documents, bidders list and plan holder list for this project are available online for inspection during the bidding period through the Builders Exchange of Washington (BXWA) website www.bxwa.com (Posted Projects, Public Works, Clark County and Projects Bidding). These are available for viewing, downloading and printing on your own equipment free of charge. This service is provided free of charge to Prime Bidders, Subcontractors, and Vendors bidding on this project. Bidders are encouraged to "Register as a Bidder" in order to receive automatic email notification of future addenda and to be placed on the Bidders List.

It is the sole responsibility of the Bidder to obtain Addenda, if any. Such information may be obtained from the Builders Exchange of Washington (BXWA) web site, www.bxwa.com (Posted Projects, Public Works, Clark County and Projects Bidding). Clark County accepts no responsibility or liability and will provide no accommodation to bidders who fail to check for addenda and submit inadequate or incomplete responses.

Paper copies of plans, specifications, addenda, bid documents, bidders list and plan holder list for this project are not available.

All questions regarding this project must be submitted on the electronic "CRP Inquiry Submittal Form" located on the County's Internet Page (<http://www.clark.wa.gov/general-services/purchasing/crp.html>). In the event a bidder cannot access the County's Website, a FAX copy of the form can be obtained from and returned to the County's Construction Management Office (FAX 360-397-6087).

Answers to bid questions will be posted on the project's "Bid Inquiry Log", also located on the County's Internet page, which will be updated twice daily, at noon and 6:00 PM. The questions and answers posted on the Bid Inquiry Log will not identify who asked the question, nor will that information be provided otherwise. It is considered exempt from Freedom of Information requirements. The last Bid Inquiry log update prior to bid opening will be 6:00 PM the day before the bid opening, and will display all questions and answers to the questions that have accumulated by the posting time. Questions asked after this time will not be addressed. Questions too late to be answered as of that posting will remain unanswered and will not be included in the log.

The Clark County Department of Public Works, in accordance with Title VI of the Civil Rights Act 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, non-discrimination in federally assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined at 49 CFR Part 26 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

**NOTICE TO CONTRACTORS
PAGE 3 OF 3**

All bids shall be delivered to the attention of the Clark County Purchasing, P.O. Box 5000, Vancouver, Washington 98666-5000 or 1300 Franklin Street, Suite 650. Bids shall be placed in a sealed envelope, marked "Sealed Bid", which clearly states the name of the bidder, the project number, the project title, the date of the bid opening, and appropriate wording to indicate definitely the nature of the contents. Do not send bids by FAX or email. Bids submitted by FAX or email will not be accepted.

A bid proposal deposit, made in the form of a certified check, cashier's check, or surety bond in an amount equal to five percent (5%) of the amount of the bid proposal, shall accompany all bid proposals. Should the successful bidder fail to enter into such contract and furnish satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to the Clark County Road Fund.

The right is reserved by the Clark County Board of County Commissioners to waive informalities in the bidding, accept a proposal of the lowest responsible bidder, reject any or all bids, republish the call for bids, revise or cancel the work, or require the work to be done in another way if the best interest of the Contracting Agency is served.

DATED this 11th day of March, 2014.



Michael Westerman, Purchasing Manager

THE COLUMBIAN
PORTLAND DAILY JOURNAL OF COMMERCE:

PLEASE PUBLISH: March 26, April 2 & 9, 2014

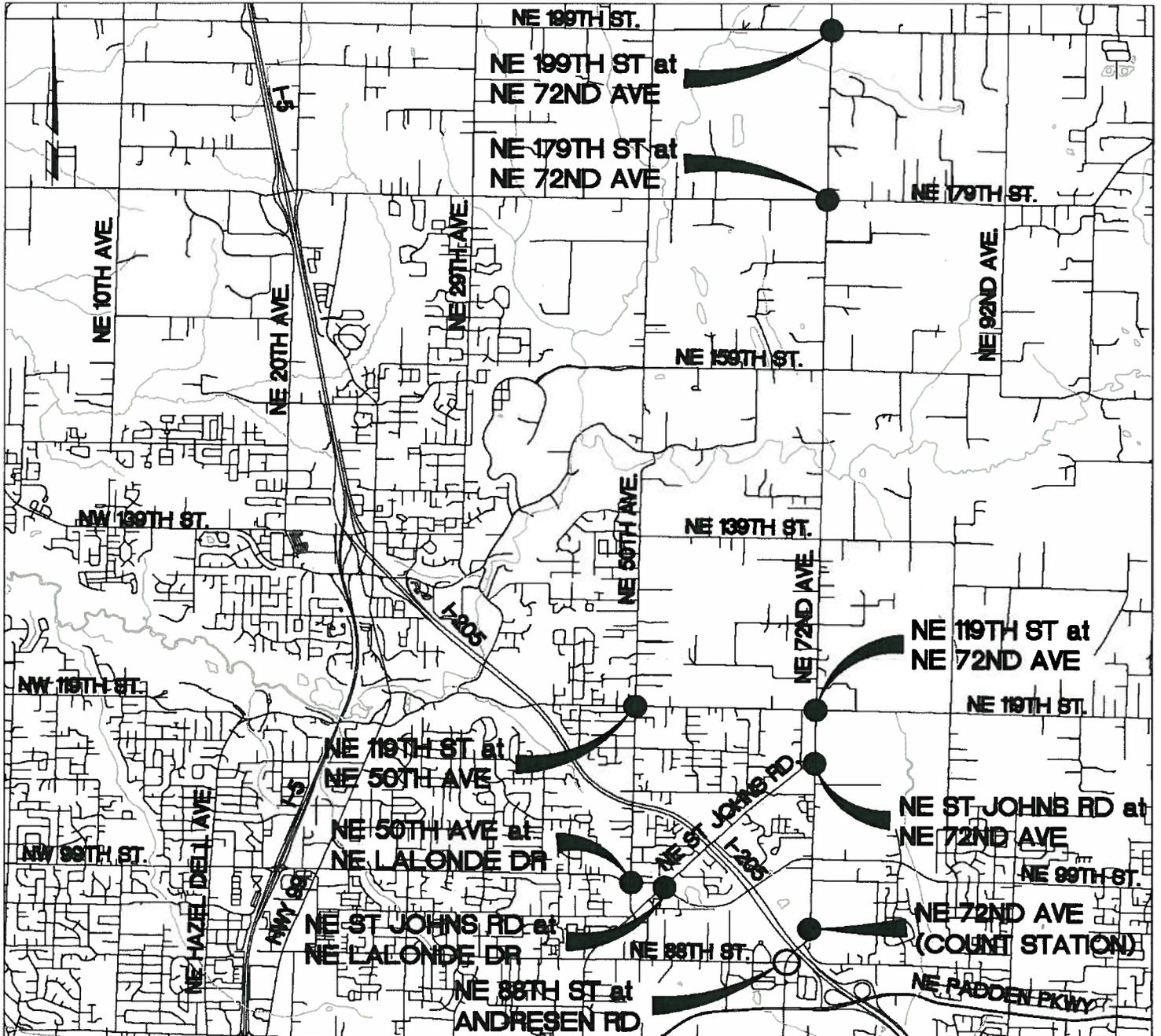


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CLARK COUNTY
WASHINGTON

Department of Public Works
Engineering & Construction Division
Barberton Traffic Signal Optimization
CRP# 321322

Vicinity Map



- FULL SIGNAL IMPROVEMENTS
- COMMUNICATION CONNECTION

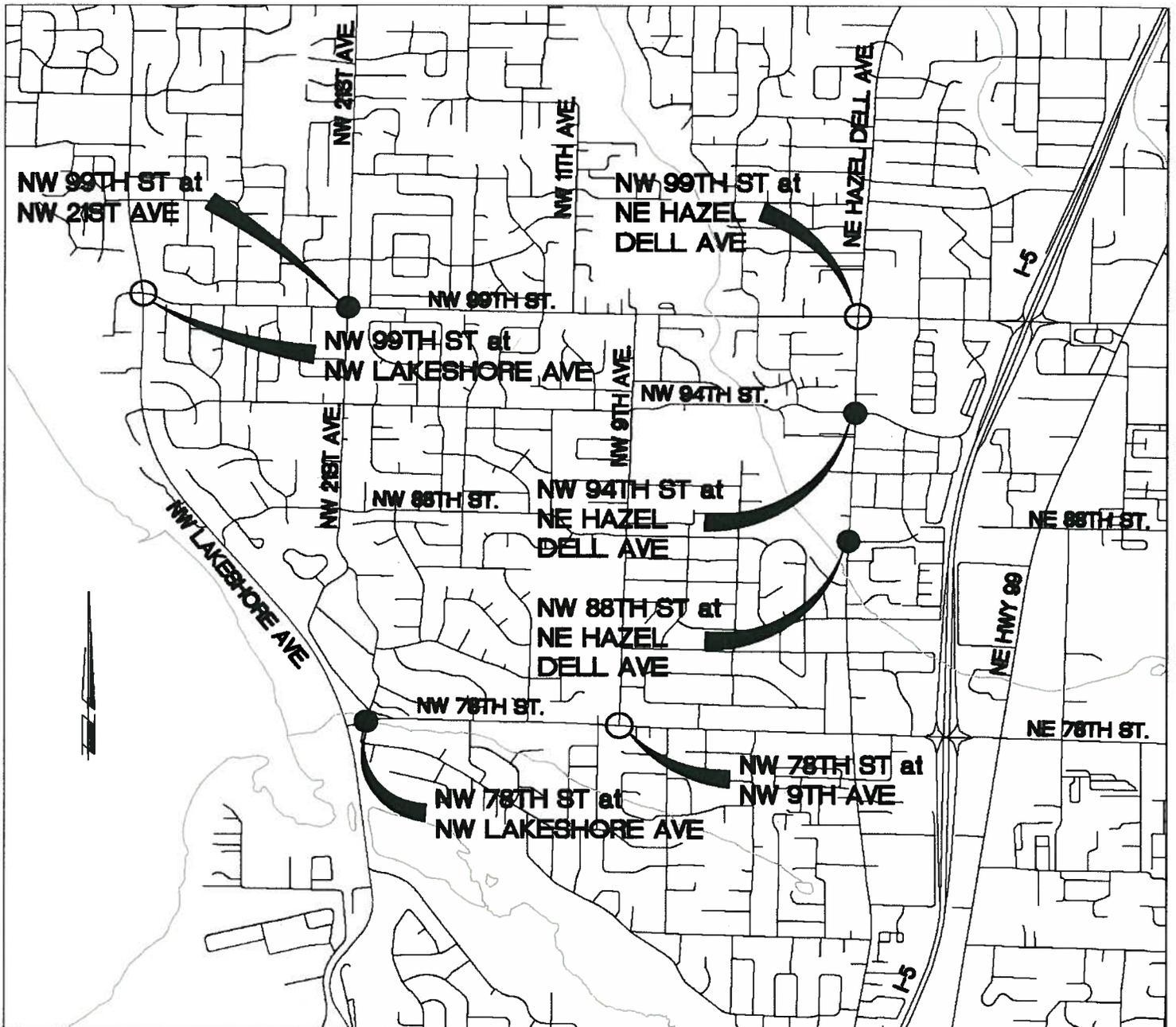


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CLARK COUNTY
WASHINGTON

Department of Public Works
Engineering & Construction Division
Hazel Dell/Felida Traffic Signal Optimization
CRP# 320622

VICINITY MAP



- FULL SIGNAL IMPROVEMENTS
- COMMUNICATION CONNECTION