

REVISED MEETING MINUTES (Revision in red)
PUBLIC WORKS COUNCIL COMMITTEE
West Des Moines City Hall Training Room
November 09, 2015

Attending:

Council Member – Rick Messerschmidt	Deputy Public Works Director – Joe Cory
Council Member – Kevin Trevillyan	Principal Engineer – Brian Hemesath
City Engineer – Duane Wittstock	Principal Engineer – Ben McAlister
Finance Director – Tim Stiles	Traffic Engineer – Jim Dickinson
Assistant City Attorney – Greta Truman	Transportation Engineer – Eric Petersen
Comm. & Econ Dev. Dir.– Clyde Evans	Communications Specialist – Lucinda Stephenson

Meeting called to order at 11:31 am.

1. 88th Street & Ashworth Road – Traffic Signal Warrant Analysis

Issue Summary:

Due to resident concerns regarding traffic congestion and queuing at the intersections of 88th Street and Ashworth Road (both sides of the Interstate 80 bridge), staff looked at whether traffic signals are warranted based on current conditions. Traffic Engineer Eric Petersen reported that the area has seen significant growth in the South Maple Grove and Waukee areas, and due to the lack of crossings over Interstate 80, much of this traffic is currently being funneled to the Ashworth Road bridge and through the 88th Street intersections. He stated that traffic volumes on Ashworth Road have increased by 35% in the last 2 years. Traffic queues are the longest in the morning peak hour, which coincides with the school rush period, with a maximum queue of approximately 1,800 ft.-2,000 ft. observed for the southbound queue at the western intersection. Based on the existing data, the western intersection meets warrants for signalization; the eastern intersection does not meet warrants at this time.

Traffic patterns are expected to shift once the Grand Prairie Parkway interchange is opened to traffic, and this will help alleviate pressure at the 88th Street & Ashworth Road intersections. However, the western intersection is still expected to meet warrants for signalization. Staff recommends a temporary span-wire traffic signal be installed at the western intersection at an estimated cost of approximately \$10,000 and \$2,400 per year for maintenance. It is anticipated that installation could take place in approximately 30 days. Traffic Engineer Jim Dickinson stated that there will still be backups and delay, but not as excessive.

Although the eastern intersection is recommended to remain stop-controlled at this time, it is ultimately expected to meet warrants for signalization. Staff recommends that signalization be reconsidered at this intersection as part of future widening of Ashworth Road, which is expected at the eastern intersection in the next couple years. In the interim, this intersection will benefit once 84th Street and 81st Street are constructed; these roads are planned to open yet this year.

Direction: The PWCC concurs with staff recommendation to install a temporary traffic light on the west intersection, and re-evaluate in the future as needed.

2. White Crane Road, S. 8th Street East to Dead End

Issue Summary:

The contractor, Elder Corporation, has submitted a request for a 30-day extension to the contract completion date of November 6th. Principal Engineer Ben McAlister stated the contractor has been working diligently on the project but has been delayed by weather conditions beyond his control. Staff feels the date extension is reasonable.

Direction: The PWCC agrees with giving the contractor an addition 30 days beyond November 6th to complete the project.

3. Review of Public Works Items for Council Meeting (November 16, 2015)

- A. Accepting Work – 2015 Valley Junction Brick Paver Repair Program
- B. Approval of 28E Agreement – West Suburban Regional Traffic Signal Operations Group
Traffic Engineer Jim Dickinson explained that this is a collaborative effort with the Cities of Clive, Johnston, Urbandale, Waukee, Windsor Heights and West Des Moines to jointly move traffic on corridors going through multiple cities.
- C. Approval of 28E agreement for Flood Alert Stream Gages
- D. Authorization to file Des Moines Area Metropolitan Planning Organization (MPO) Applications for Surface Transportation Program (STP)
- E. Accept Public Improvements, Thornwood Sewer Improvements Phase 3
- F. Approval of Change Order, Pine Avenue Street Improvements
- G. Approving Professional Services Agreement
 - i. 2014 Street Rehab, Sidewalk Ramp Program
 - ii. 2016 PCC Reconstruction Program
 - iii. Fire Station 18 Exterior Stairway Lighting.
 - iv. S 60th Street and Mills Civic Parkway Right Turn lane
 - v. Infill Street Lighting Design
 - vi. S 60th Street Sanitary Collector Sewer Fee District Study

Direction: The PWCC concurs with staff recommendations on the Council agenda items. Public Works will provide subcommittee members with a map identifying the areas in the Valley Junction area that have been reconstructed/patched. (*Map included with minutes*)

4. Staff Updates

Special Speed Zones on Prairie View Drive / South Prairie View Drive. As requested previously by the PWCC, traffic data was collected on Prairie View Drive / South Prairie View Drive. The area from E P True Parkway to Mills Civic Parkway is posted at 25 MPG. The 85% percentile of traffic from E P True Parkway to Target is 39 MPH northbound, 37 MPH southbound. From Target to the roundabout, the 85% percentile speed is 36-37 MPH. Traffic Engineer Jim Dickinson explained that the 85% percentile speed is the speed at which 85 percent of the traffic is traveling at or below and generally

considered the speed at which the majority of traffic is comfortably traveling. Discussion included what speed would be appropriate in different areas of this corridor.

Direction: PWCC recommendation is that the speed limit on Prairie View Drive / South Prairie View Drive from E P True Parkway to Mills Civic Parkway be changed to 30 MPH, enforced, and re-evaluated in the future.

5. **Other Matters**

A. **Infill Streetlight Analysis**– In July 2015 PWCC was advised that when streetlights are needed, developers must hire a consultant at a cost of approximately \$2,000+. The PWCC recommended that the City consider obtaining a consultant for design of City streetlights **in areas of potential redevelopment where no streetlights exist or lights are currently located on wood poles**. City cost would be reimbursed through the development process. An agreement with H. R. Green in the amount of \$49,500 is being recommended by staff, to be paid from the streetlight budget account. This arrangement should result in less cost for the developers, and consistency in streetlight design.

Direction: PWCC concurs with staff recommendation and presentation of the agreement at the next City Council meeting.

B. **60th Street and Mills Civic Parkway** – Staff recommends retaining an engineer to design the eastbound to northbound right turn lane, slated for 2016 construction.

Direction: PWCC concurs with staff recommendation and presentation of the agreement at the next City Council meeting.

C. **Pine Avenue** – Change Order – Placement of fill for security of the Alluvion site.

Direction: PWCC concurs with staff recommendation and presentation of the change order at the next City Council meeting.

D. **Thornwood Sewer System**– Staff recommends accepting work on this project.

Direction: PWCC concurs with staff recommendation and presentation of the agreement at the next City Council meeting.

E. **Energy Retrofit Project** – Principal Engineer Ben McAlister reported that as part of a project to replace light bulbs at City Hall and the Library it has been determined during a sampling of lights that there are at least four different ballast types. Not all of the ballast types are compatible with the bulbs. This issue has just been relayed to staff. Because this project is to be done by the end of November and rebate dollars are involved, decisions will need to be made fairly quickly. More details and options will be forthcoming on this project to subcommittee members by e-mail.

Direction: Information Only.

F. **Possible Sanitary Collector Sewer Fee District for South 60th Street Between Mills Civic Parkway and Booneville Road**. This project is currently under design. During the process of acquiring right of way, several property owners north of Pleasant Ridge Drive have inquired about connecting to the City sanitary sewer system. This area is part of Pleasant Ridge under a different plat and properties are using on-site treatment systems. While the road is disrupted for construction could be economically beneficial to installing a sewer system. City Engineer Duane Wittstock requested PWCC guidance on whether staff should go forward in determining costs and meeting with property owners, following the same steps taken in setting up other sewer fee districts.

Direction: PWCC recommendation is for staff to pursue hiring a consultant to determine costs and property owner interest in setting up a sewer fee district.

- G. **FEMA Digital Mapping** – FEMA is moving from aerial photography maps to digital maps for their Flood Insurance Rate Maps (FIRM). The new digital maps do not alter the actual flood risks for any properties, but more clearly define properties at risk. FEMA will provide a notice for public review and comments. The last time FEMA notified the City that changes would be made to the flood maps, the City sent out letters to residents with directions for accessing the FEMA website to view the maps. FEMA then did not make the anticipated changes. Staff will bring the issue back to the PWCC when we receive notice of the public comment period. The public will have an opportunity to view the maps and provide comments directly to FEMA.

Direction: Information Only.

- H. **Grand Prairie Parkway Interchange** – City Engineer Duane Wittstock provided aerial views of the interchange with photographs taken on November 8, 2015.

Direction: Information only.

- I. **University Ramp** – Iowa DOT has advised that in Spring 2016 they will be installing an overlay on the westbound I-235 to northbound I-80/35 ramp including the University Avenue ramp. This will be all night work for two or three evenings, closing down the ramp. DOT would like to move detour traffic on I-235 westbound going north on I-80/35 to get off at 50th Street, turn north to University, then west on University to I-80/35.

Direction: Information Only

- J. **LED Street Lights** – Councilman Trevillyan recently solicited input from a resident whose home is located near one of the new LED street lights which have a higher wattage design than the previous street lights. The resident stated that there is excessive overflow of light into their home, and agreed to try out possible solutions such as a dimmer installed by MidAmerican Energy (MAE). City Engineer Duane Wittstock stated that Brian Hemesath is currently working with MAE to determine the extent of the concerns and possible solutions.

Direction: Staff will provide further information on MAE solutions at a future PWCC meeting

- K. **No Parking Here To Corner Signs** – Councilman Trevillyan asked when the new signs will be installed.

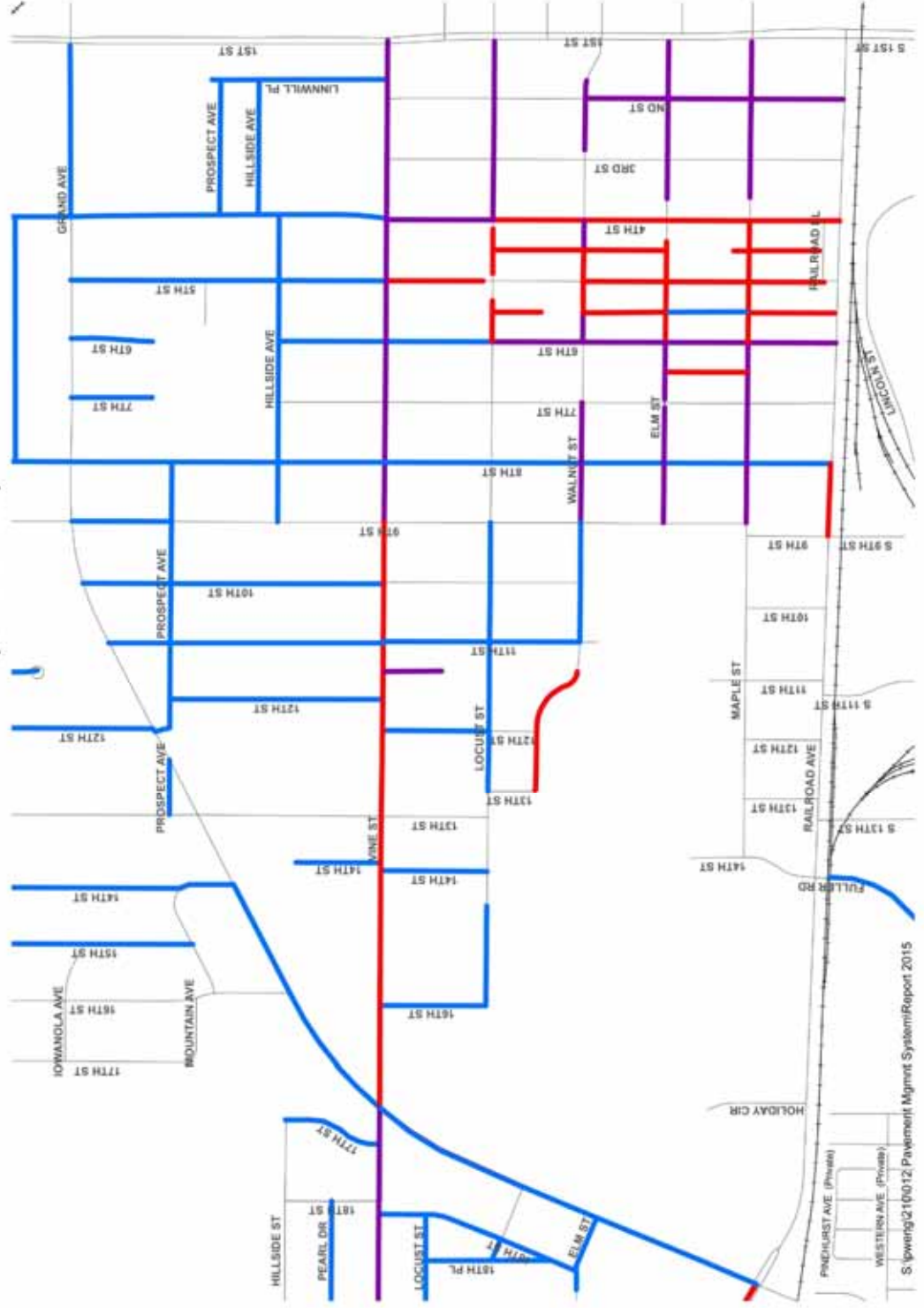
Direction: Status on the order for new signs will be advised. *(It is anticipated that the signs will arrive within the next two weeks.)*

Meeting adjourned at 12:44 pm. The next Public Works City Council Subcommittee meeting is scheduled for November 23, 2015. Copies of handouts are available at Public Works upon request.

A recording was made. Respectfully submitted by Peggy Englehart, Administrative Secretary.



VALLEY JUNCTION STREET REHABILITATION PROJECTS (SINCE 2000)



- Legend**
- RECONSTRUCTION
 - PCC PATCHING
 - ASPHALT OVERLAY



NOT TO SCALE

UPDATED
11/9/15



PUBLIC WORKS COUNCIL COMMITTEE MEETING AGENDA

Monday, November 9, 2015 – 11:30 AM

Location: West Des Moines City Hall – Training Room
4200 Mills Civic Parkway

1. 88th & Ashworth – Traffic Signal Warrant Analysis (ERP)
2. White Crane Road, South 8th Street East To Dead End – Request for Contract Completion Extension (BJM)
3. Review of Public Works Items for Council Meeting (November 16, 2015)
 - A. Accepting Work – 2015 Valley Junction Brick Paver Repair Program
 - B. Approval of 28E Agreement – West Suburban Regional Traffic Signal Operations Group (RBH)
 - C. Authorization to file Des Moines Area Metropolitan Planning Organization (MPO) Applications for Surface Transportation Program (STP) (JCC)
 - D. Approving Professional Services Agreement
 - i. 2014 Street Rehab, Sidewalk Ramp Program
 - ii. 2016 PCC Reconstruction Program
 - iii. Fire Station 18 Exterior Stairway Lighting
4. Staff Updates
 - A. Special Speed Zones on Prairie View Drive / South Prairie View Drive (JVD)
5. Other Matters

This agenda is created for planning purposes and is subject to change.

Any discussion, feedback or recommendation by Sub-committee member(s) should not be construed or understood to be an action or decision by or for the West Des Moines City Council.

Location Map



1
88th St & Ashworth Rd
Signal Warrant Analysis
November 2015

VALLEY JUNCTION STREET REHABILITATION PROJECTS (SINCE 2000)

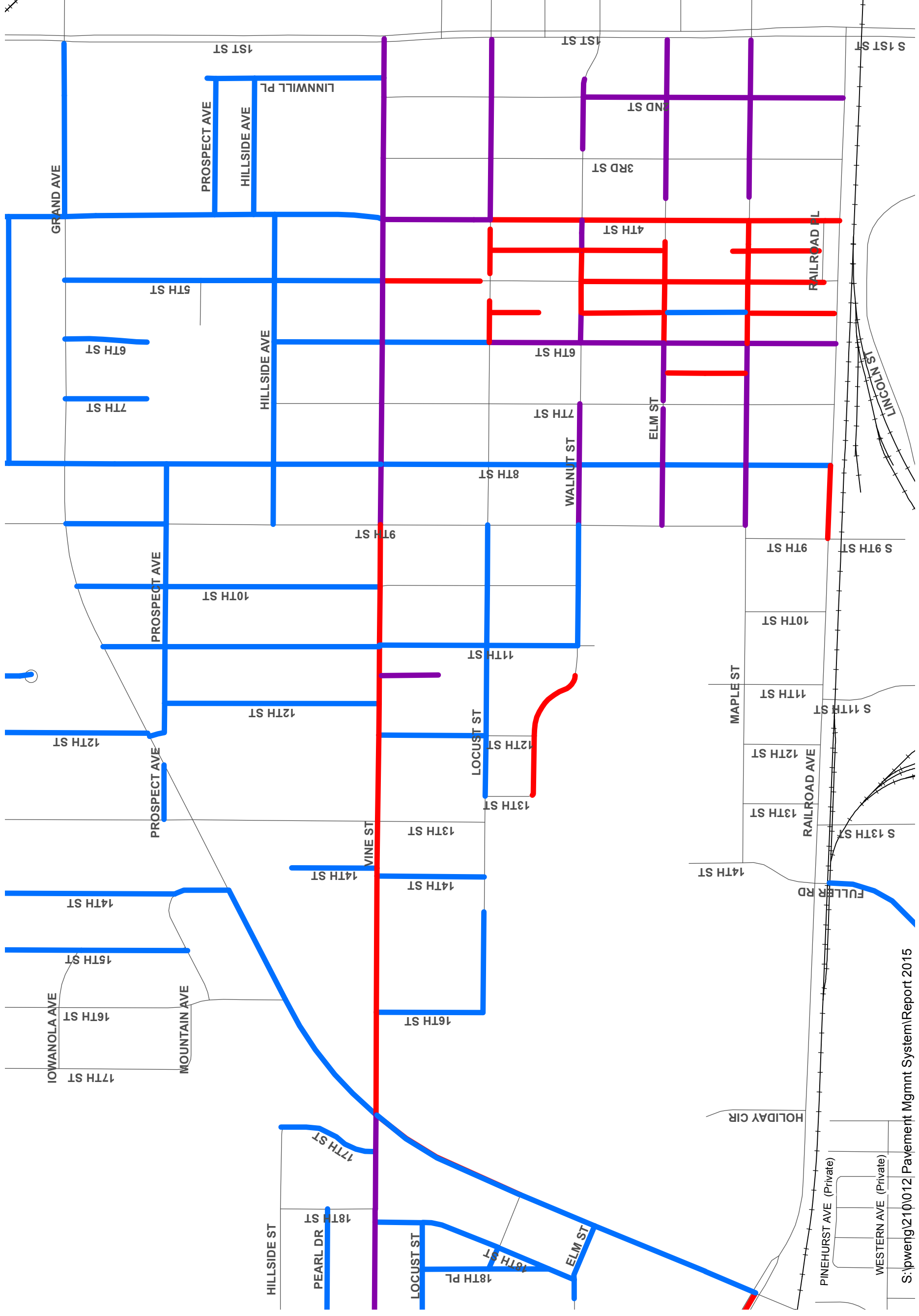


- Legend**
- RECONSTRUCTION
 - PCC PATCHING
 - ASPHALT OVERLAY

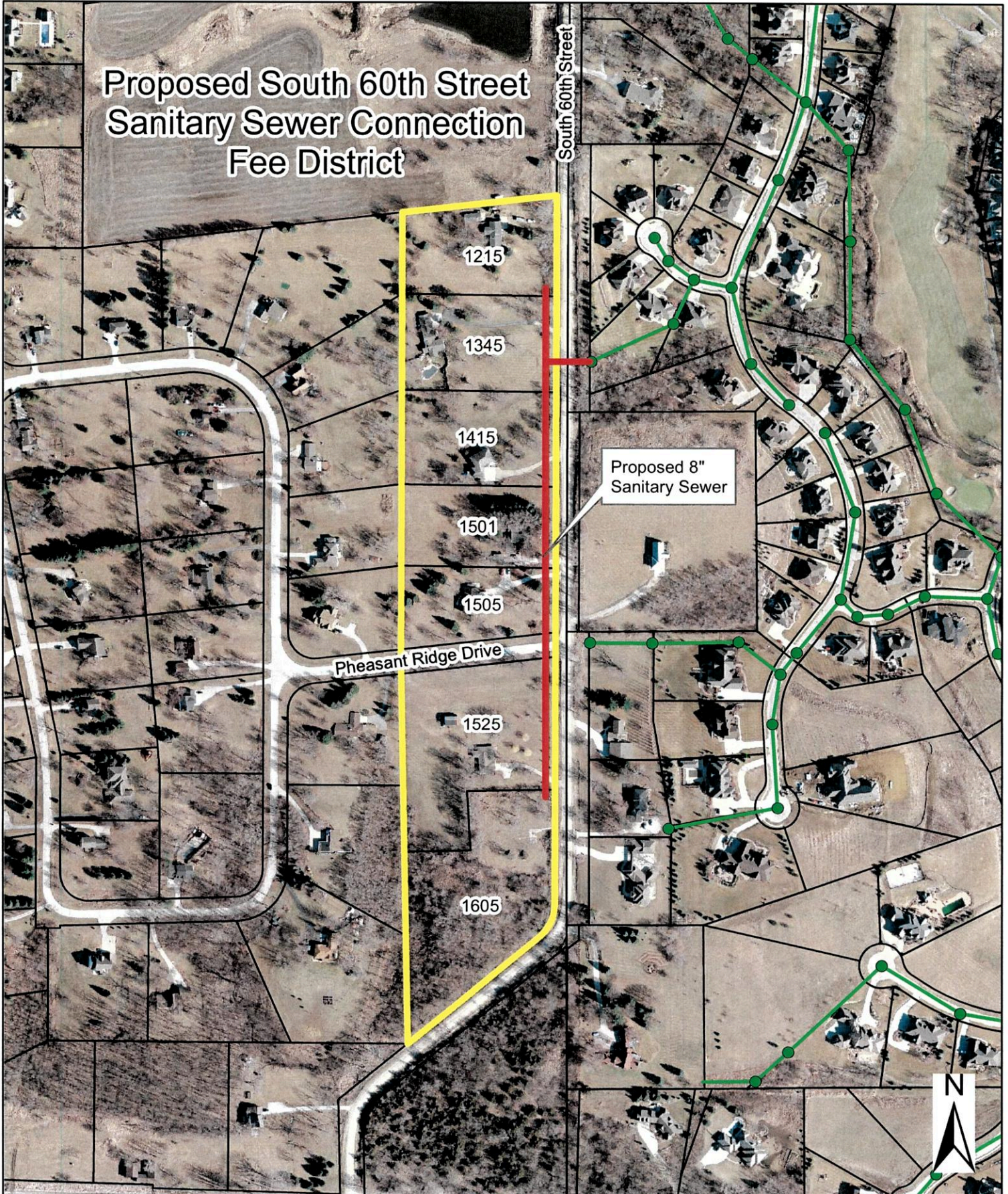



NOT TO SCALE

UPDATED
11/9/15



Proposed South 60th Street Sanitary Sewer Connection Fee District



 THE CITY OF
WEST DES MOINES

DEPARTMENT OF ENGINEERING SERVICES
4200 MILLS CIVIC PARKWAY (515) 222-3620
WEST DES MOINES, IOWA 50265
FAX NO. (515) 273-0602

PROJECT:	South 60th Street Sanitary Sewer Project No. 0510-021-2014	
LOCATION:	South 60th Street & Pheasant Ridge Drive	
DRAWN BY:	JMS	DATE: 11/09/15
		SHT. 1 OF 1

Englehart, Peggy

From: West Des Moines, IA <webmaster@wdm.iowa.gov>
Sent: Thursday, November 05, 2015 3:14 PM
To: Englehart, Peggy
Subject: West Des Moines, IA: Public Works Council Committee Meeting

Public Works Council Committee Meeting

- **Date:** 11/09/2015 11:30 AM - 1:30 PM
- **Location:** West Des Moines City Hall - Training Room
4200 Mills Civic Parkway
West Des Moines, Iowa 50265
- **Agenda:** 11.09.15 PWCC Agenda

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