



## Neighborhood Informational Meeting

2016 Street & Utility Improvement Project



City of Rushford

April 7, 2016

## Introductions

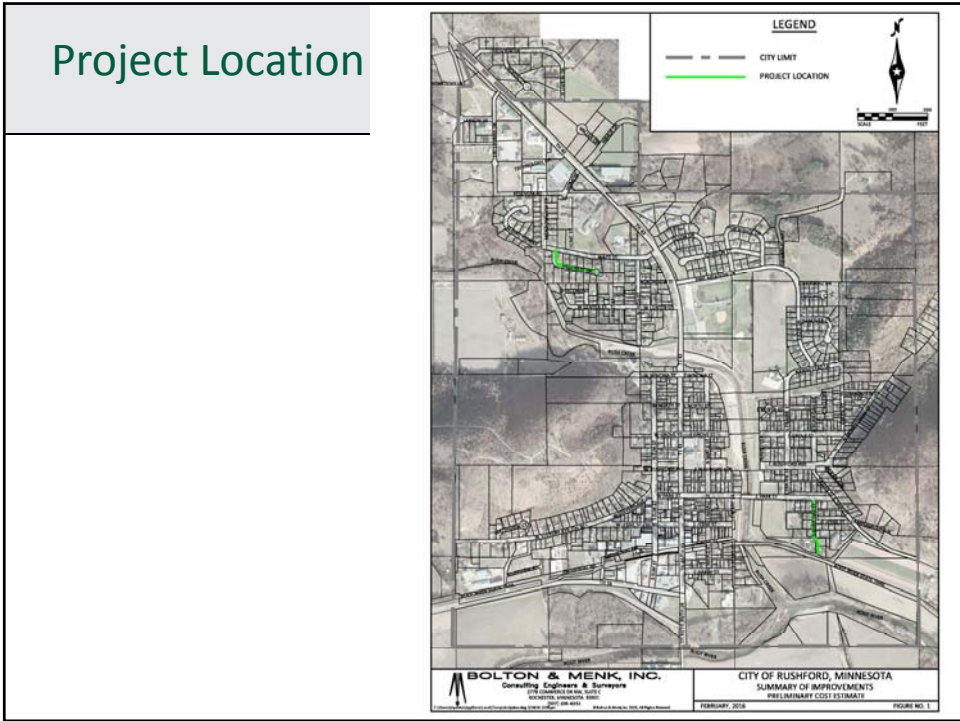
- Brian Malm, P.E. – City Engineer
- Josh Pope, P.E. – Project Engineer

## Goals to Accomplish

- Understand why the city is proposing this project
- Understand the scope of the project
- Understand how the assessments are calculated
- Individual concerns for final design of the project

## What is under a typical city street?





- Existing Conditions-Street**
- South Burr Oak Street
    - 32-ft wide bituminous with concrete curb
    - 80-ft right-of-way
    - Bituminous in very poor condition
    - Curb, driveway aprons in fair to poor condition



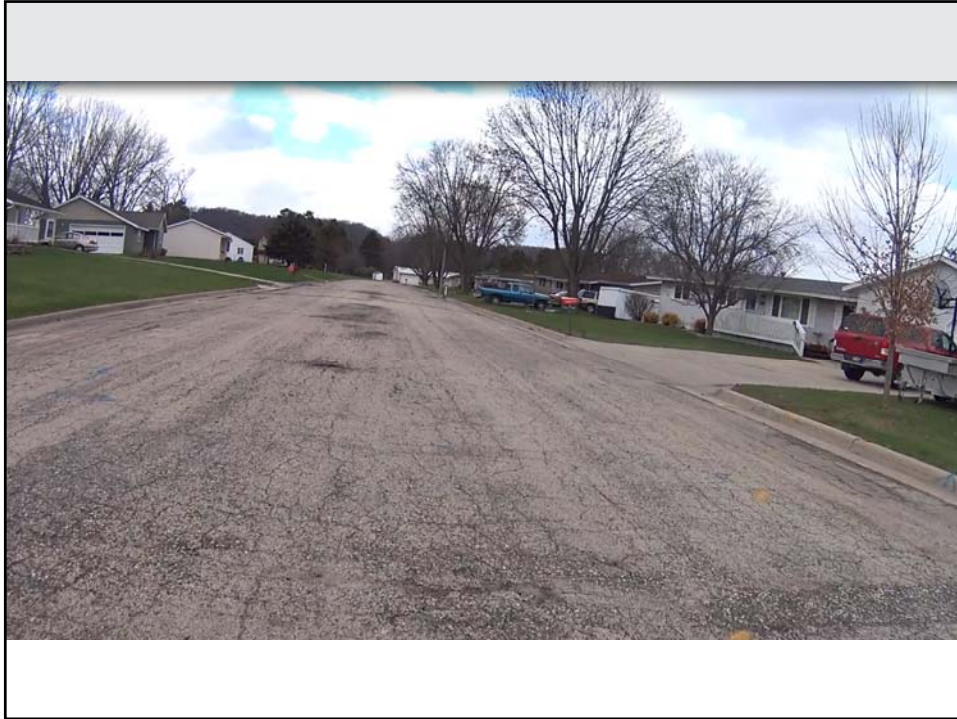


### Existing Conditions-Street

- Hillcrest Drive
  - 36-ft wide bituminous with concrete curb
  - 66-ft right-of-way
  - Bituminous in very poor condition
  - Curb, driveway aprons in fair to poor condition

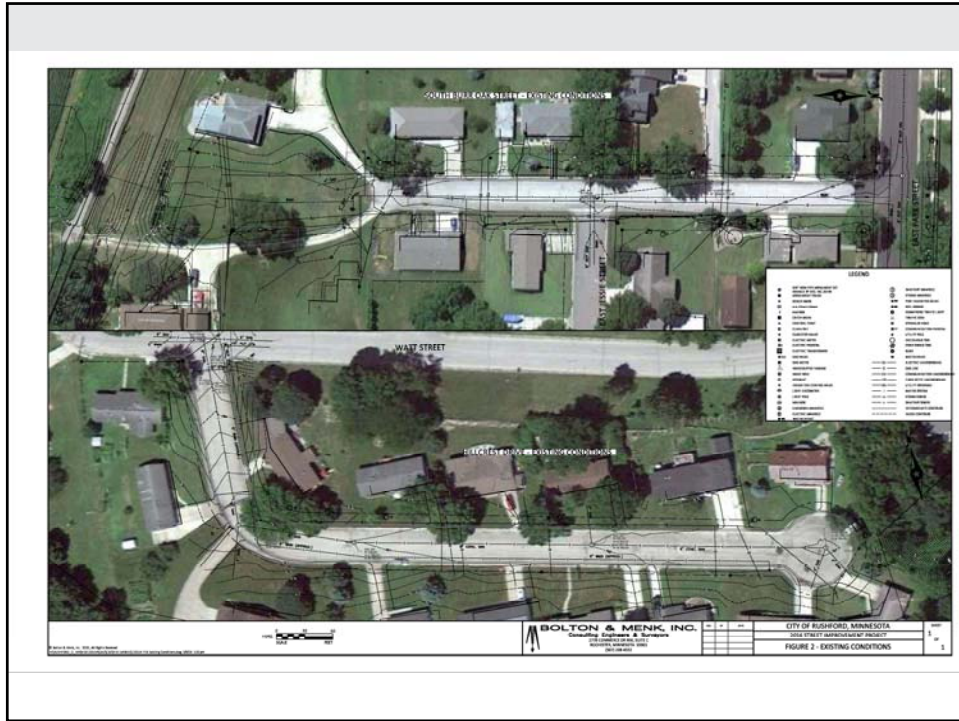






### Existing Conditions-Storm Drainage

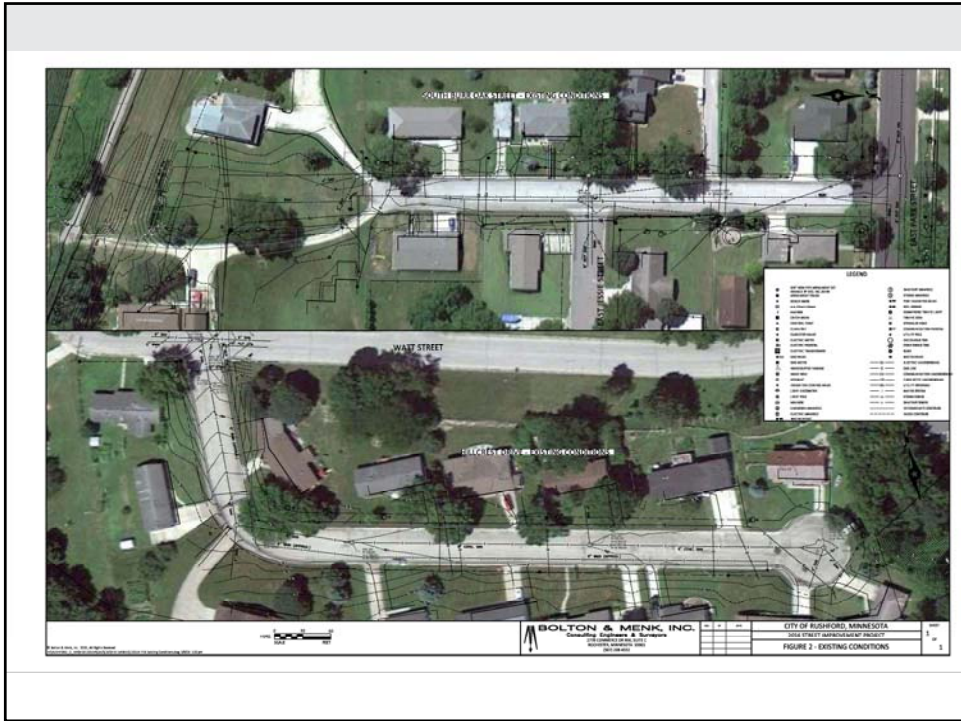
- South Burr Oak Street
  - No storm sewer present
  - Surface drainage ponds at the end of the street, flows to levee interior drainage system
- Hillcrest Drive
  - Two catch basins at intersection of Watt Street
  - Drainage conveyed to TH 43 ditch



## Existing Conditions-Sanitary Sewer

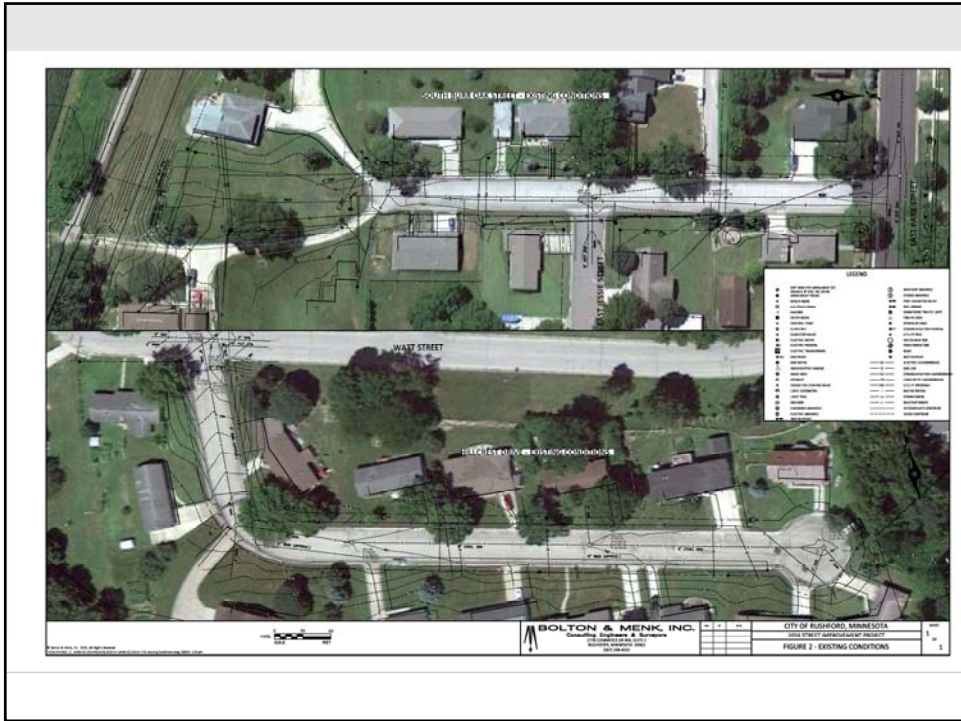
- South Burr Oak Street
  - 6-inch concrete pipe
  - Wet well lift station – single pump
    - Does not meet MPCA requirements (redundancy)
  - Video inspection shows fair to poor condition
  - Age assumed to be 40-50 years old
- Hillcrest Drive
  - 8-inch concrete pipe
  - Video inspection shows poor condition
  - Age assumed to be 40-50 years old





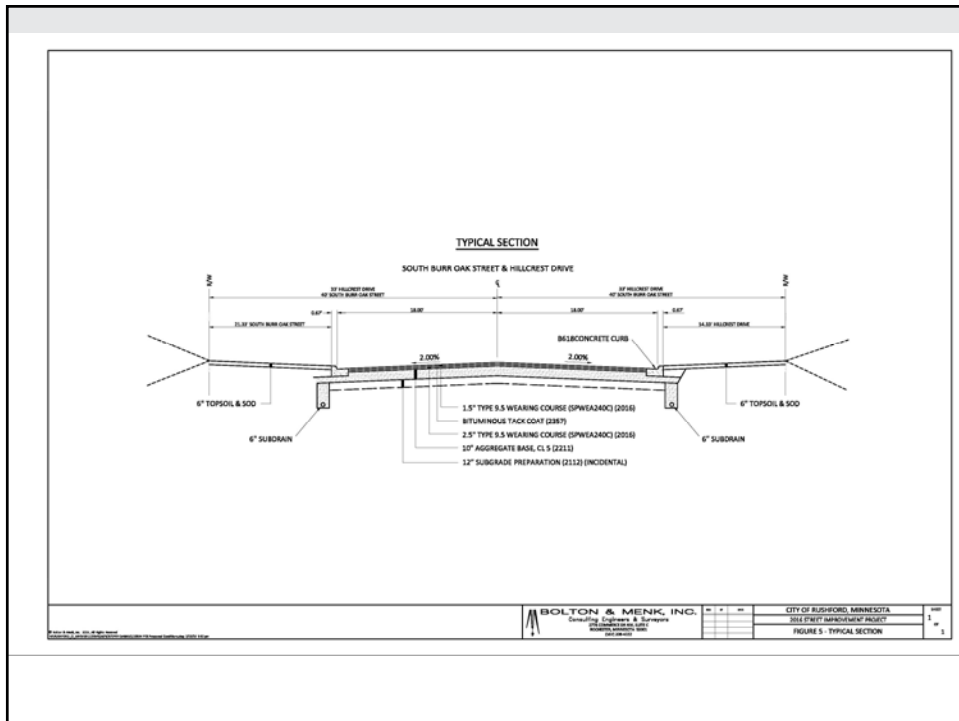
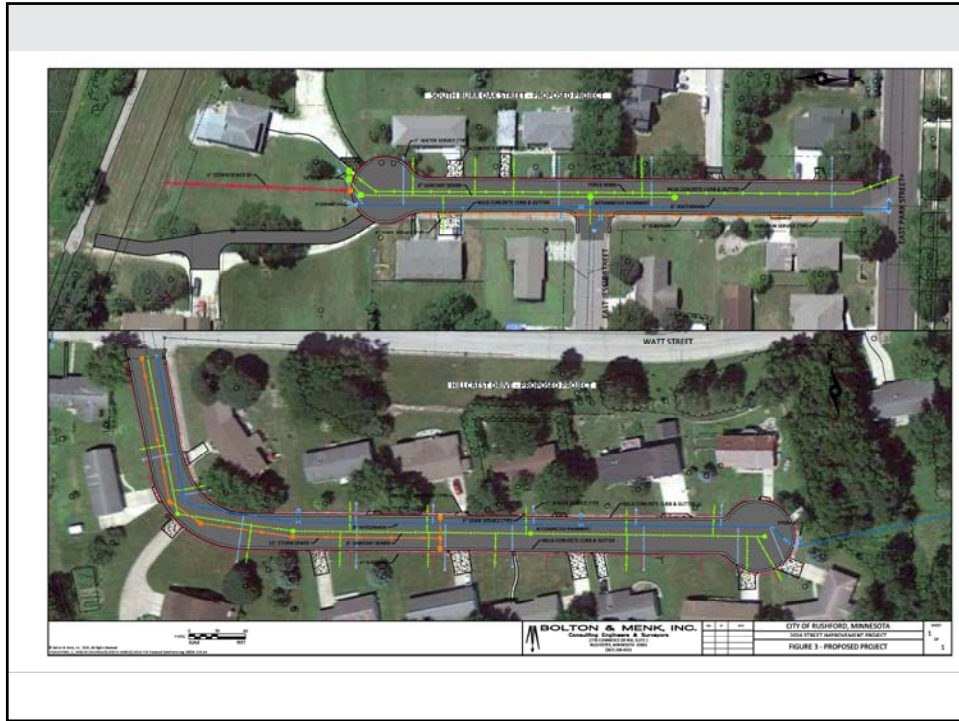
### Existing Conditions-Watermain

- South Burr Oak Street
  - 6-inch cast iron pipe
  - Over 50 years old
  - Based on age and pipe type – poor condition
  - Connected to East Jessie Street, short dead-end
- Hillcrest Drive
  - 6-inch cast iron pipe
  - Over 50 years old
  - Based on age and pipe type – poor condition
  - Dead end cul-de-sac



## Proposed Improvements-Street

- South Burr Oak Street
  - 36-ft wide, bituminous, curb & gutter
  - Concrete driveway aprons
  - Small cul-de-sac at south end
  - Pave shared driveway to levee/bike trail
- Hillcrest Drive
  - 36-ft wide, bituminous, curb & gutter
  - Concrete driveway aprons



## Proposed Improvements-Storm Drainage

- South Burr Oak Street
  - Outlet is not low enough to install storm sewer
  - Major rainfall events will continue to flow overland to levee drainage system
  - Small rainfall events/ponding issue
    - Install shallow outlet with perforated tile discharge to levee system
    - Tile will convey small flows, help keep overland drainage swale dry
  - Subdrain beneath curb, sump pump services





## Proposed Improvements-Storm Drainage

- South Burr Oak Street
  - Stormwater pond alternative to be investigated



## Proposed Improvements-Storm Drainage

- Hillcrest Drive
  - Replace existing storm sewer, extend up the cul-de-sac
  - Reduce bypass flows at intersection catch basins
  - Subdrain beneath curb, sump pump services



## Proposed Improvements-Sanitary Sewer

- South Burr Oak Street
  - 8-inch PVC pipe, concrete manholes
  - PVC services to property line
  - Watertight system
  - New duplex submersible pump lift station
    - Locate at end of cul-de-sac
  - New 4-inch PVC forcemain discharge

## Proposed Improvements-Sanitary Sewer

- Hillcrest Drive
  - 8-inch PVC pipe, PVC services, concrete manholes
  - PVC services to property line
  - Watertight system



## Proposed Improvements-Watermain

- South Burr Oak Street
  - 8-inch watermain (PVC or Ductile Iron), valves, hydrants
  - 1-inch copper water services to property line
- Hillcrest Drive
  - 8-inch watermain (PVC or Ductile Iron), valves, hydrants
  - 1-inch copper water services to property line
  - Alternate watermain loop to First Street, improve circulation





## Other Utilities

- Communications (cable, phone, internet)
- Natural Gas
- Electric
- Design will be coordinated with any improvements necessary for these systems

## Estimated Costs

Item	Estimated Construction Cost	Estimated Engineering, Administration and Financing Cost	Total Estimated Project Cost
<b>Assessable Costs</b>			
Removals, Street & Surface, Misc.	\$524,958.00	\$120,740.34	\$645,698.34
Sanitary Sewer	\$200,487.50	\$46,112.13	\$246,599.63
Watermain	\$231,894.00	\$53,335.62	\$285,229.62
<b>Total Assessable Costs</b>	<b>\$957,339.50</b>	<b>\$220,188.09</b>	<b>\$1,177,527.59</b>
<b>Non-Assessable Costs</b>			
Storm Sewer	\$78,087.50	\$17,960.13	\$96,047.63
Lift Station	\$125,200.00	\$28,796.00	\$153,996.00
Watermain Loop	\$61,800.00	\$14,214.00	\$76,014.00
<b>Total Non-Assessable Costs</b>	<b>\$265,087.50</b>	<b>\$60,970.13</b>	<b>\$326,057.63</b>
<b>Total Estimated Project Costs</b>	<b>\$1,222,427.00</b>	<b>\$281,158.21</b>	<b>\$1,503,585.21</b>

## Financing

- Project will be financed using:
  - Bond Sale
  - Utility Funds
  - Special Assessments

## Assessments

- City's Special Assessment Policy
  - Street Improvements – 30% Assessable, 70% City
  - Water and Sanitary Improvements – 30% Assessable, 70% City
  - Storm Sewer Improvements – 0% Assessable, 100% City Cost
  - Sidewalks – 100% Assessable, 0% City Cost
  - Corner Lots – 100% frontage, 50% side

## Assessments

- Street Assessment Rate - \$76.53/lf
- Sewer and Water Assessment Rate - \$6,937/each
- Estimated Assessment for 100-ft lot = \$14,590

**Assessments**

- Comparison to Previous Projects

Project	Street Assessment (\$/ft)	Sewer and Water Assessment (\$/unit)	Total Assessment for a 100-ft Lot	Total Assessment for a 100-ft Lot- Adjusted for Inflation
TH 43 Project	\$26.54 (maximum)	\$6,170	\$8,824	\$9,265
2011 Project	\$30.79	\$3,073	\$6,152	\$7,851
2009 Project	\$29.28	\$3,490	\$6,418	\$9,030

**Assessments**

- Reduce assessable rate from 30% to 20%
  - Street Assessment Rate - \$51/ft
  - Sewer and Water Assessment Rate - \$4,624/each
  - 100-ft Lot Assessment = \$9,724



## Proposed Schedule

Steps Required	Date
Resolution Ordering Preparation of Report	2/8/16
Prepare Feasibility Report	2/9/16 - 3/11/16
Resolution Receiving Report and Calling for Hearing on Improvement	3/14/16
Published Notice of Hearing on Improvement	3/24/16 and 3/31/16
Mailed Notice of Hearing on Improvement	3/24/16
Neighborhood Informational Meeting	4/7/16
Improvement Hearing	4/11/16
Resolution Ordering Improvement and Preparation of Plans and Specifications	4/11/16
Prepare Plans and Specifications	4/12/16 - 5/6/16
Resolution Approving Plans and Specifications and Ordering Advertisement for Bids	5/9/16
Advertise for Bids	5/19/16
	5/26/16
	6/2/16
Open Bids	6/9/16
Resolution Awarding Contract	6/13/16
Begin Construction	July 2016
End Construction	June 2017
Prepare Assessment Roll	7/3/17 - 8/28/17
Resolution Declaring Cost to Be Assessed and Ordering Preparation of Proposed Assessment	8/14/17
Resolution for Hearing on Proposed Assessment	8/14/17
Published Notice of Hearing on Proposed Assessment	8/24/17
Mailed Notice of Hearing on Proposed Assessment	8/24/17
Assessment Hearing	9/11/17
Resolution Adopting Assessment	9/11/17

## Next Steps

- Improvement Hearing on Monday April 11<sup>th</sup>.
- Council will make decision on whether to proceed with the project, prepare plans and take bids.

Questions?



## Neighborhood Informational Meeting

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2016 Street & Utility Improvement Project



**City of Rushford**

April 7, 2016