

2016-17

# Capital Improvements



City of  
South Haven



# 2010 Wastewater Treatment Plant Evaluation



# WWTP Evaluation - Summary



- The treatment process meets the permit under normal conditions but components and lift stations are wearing out
- Improvements can help **reduce operating costs**

# WWTP Evaluation - Summary



- Capacity of the WWTP is 2.19mgd, average flow to the WWTP is 1.23-1.35mgd. Wet weather flows stress the capacity of the WWTP and Main LS, which has seen numerous overflows
- Wet weather flows impact plant operations and sizing of equipment – “the effects of the peak summer population in the City are less impacting than the wet weather flows”

# WWTP Evaluation - Summary



- The WWTP was originally constructed in 1933
- Major renovations were constructed in 1963, 1971, and 1988, along with minor improvements every few years as needed
- Most of the facilities are 50+ years old

# WWTP Evaluation - I



- Influent and Primary Treatment required to address imminent operational and/or capacity issues
  - Main (80% of flow – city/south) & Wells (20% of flow – north city and Casco) Lift Stations (45-80 yrs old)/Headworks Building
    - Capacity, Structural, and Equipment Issues
  - Raw Wastewater Screening & Grit Removal(50 years old)
    - Damaged and Ineffective
    - Operational Issues result from debris getting through
  - Influent Metering
    - Inaccurate at High Flows

# WWTP Evaluation - II



- Secondary Treatment to address permit compliance, operational/process efficiency savings in the 5-10 year range
  - Biological Treatment (50 years old)
    - Capacity, Aeration, and Pumping Issues – 45% of the electrical usage
  - Settling Tanks (30-50 years old)
    - Inadequate Capacity for proper sludge thickening
  - Chemical Feed (40-50+ years old)
    - Replace Equipment & Remove Retired Equipment for added safety and efficiency
  - Solids Handling (30-50 years old)
    - Inadequate Capacity and Storage
    - Non-compliant with 10 State Standards – private hauler to assist

# WWTP Evaluation - III

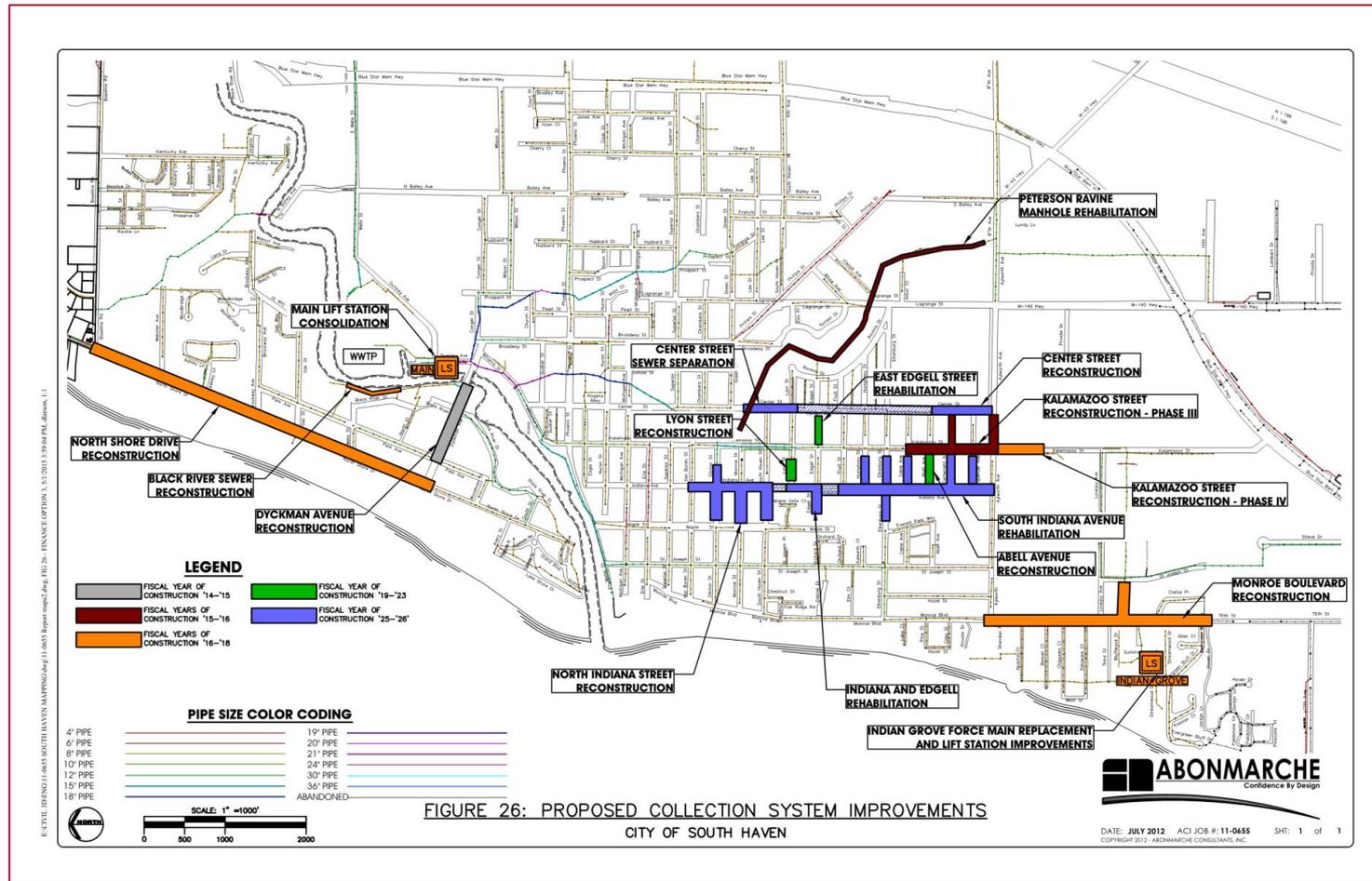


- Tertiary Treatment to address potential growth and permit issues in the 10-15 year range
- Facilities
  - Electrical
    - Replace Motor Control Center (MCC) – original still in place
    - SCADA System Replacement – limited capacity and interface
  - Structural and Building Needs
    - Laboratory - Climate Control, Roof, and Offices
    - Maintenance Building - Equipment Storage

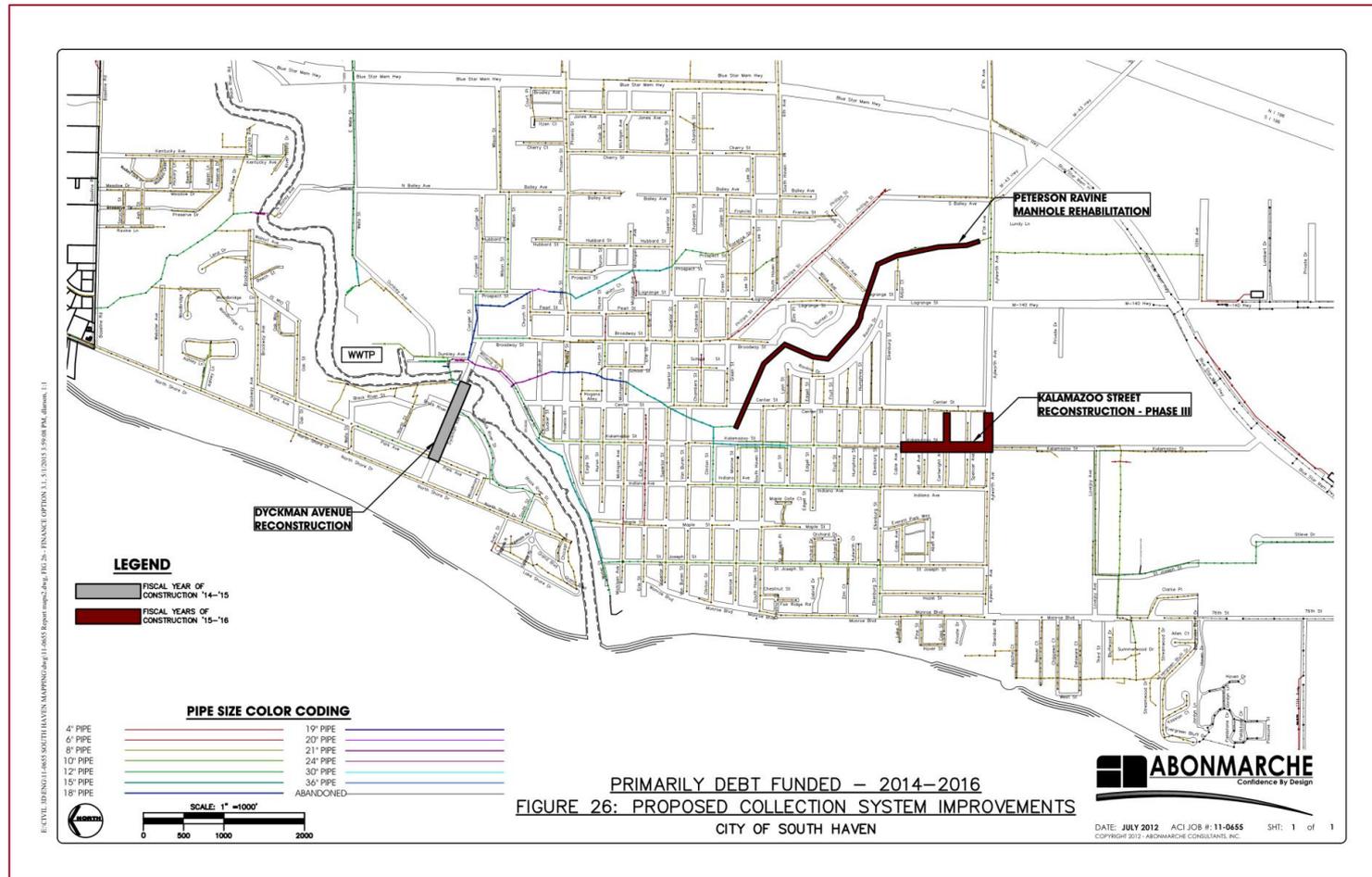
# Recommended Sewer System Improvements



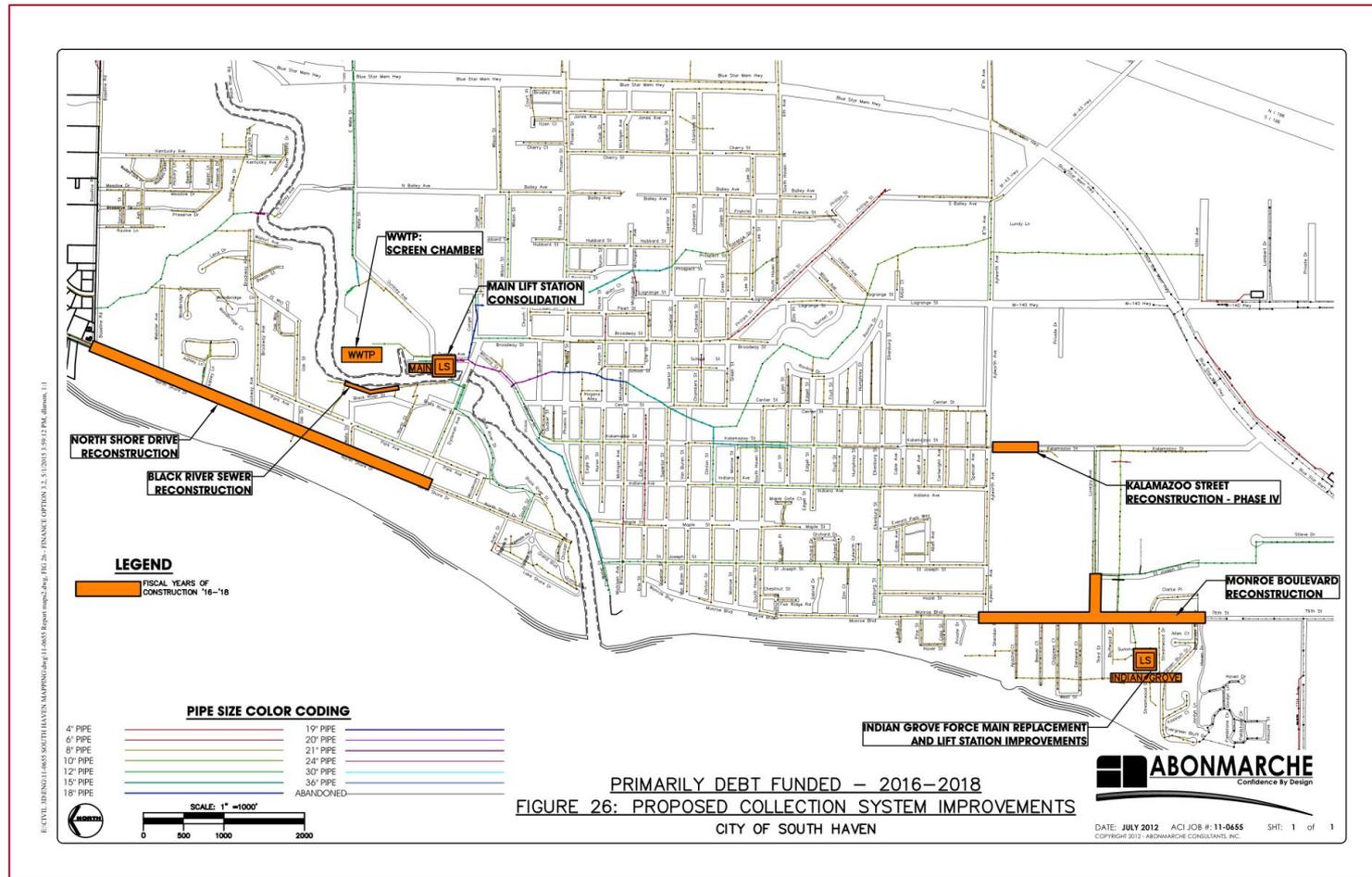
# Recommended Improvements



# Phase 1 Projects



# Phase 2 Projects



# North Shore Drive

Funding Source	Project Cost
General Fund	\$353,983
Streets Fund	\$3,041,770
Electric Fund	\$287,000
Water Fund	\$210,608
Sewer Fund	\$710,333
<b>Total</b>	<b>\$4,603,694</b>

## Scope and Benefit

- Replace aging, poor condition sewer with insufficient slope
- Connect homes on east side to newer watermain
- Improve roadway surface, drainage, and parking to meet current Major Street standards
- Improve park entrance signage and Newcome Beach access
- Resurfacing failing asphalt in Packard Park
- New entrance signs, bike racks, trash receptacles, and landscaping at entrances to Dyckman and oak Street Parks
- Remove overhead electric on west side
- Improved sidewalks and pedestrian crossings
- Net increase of 47 trees



# Monroe Boulevard (Evergreen to Aylworth) & IGLS

	Project Cost
Streets Fund	\$1,504,476
Electric Fund	\$114,000
Water Fund	\$369,847
Sewer Fund	\$122,117
Sewer Fund/LS	\$690,060
<b>Total</b>	<b>\$2,800,500</b>

## Scope and Benefit

- Replace leaky Forcemain Crossing the Creek
- Upgrade aging Lift Station Components and Structure
- New Lift Station Generator
- Add sidewalks and widened shoulder to roadway
- Electrical System Relocations & Upgrades
- Curb & Drainage Improvements
- New Watermain



# Kalamazoo St Phase 4 (Lovejoy to Aylworth)

	Project Cost
Streets Fund	\$611,908
Water Fund	\$93,233
Sewer Fund	\$331,849
<b>Total</b>	<b>\$1,036,990</b>

## Scope and Benefit

- Replace Sanitary Sewer
- Reconstruct Roadway
- New Watermain



# Black River Street – Dyckman to Wells

	Project Cost
Streets Fund	\$949,252
Water Fund	\$17,263
Sewer Fund	\$880,663
Sewer Fund/LS	\$627,832
<b>Total</b>	<b>\$2,475,010</b>

## Scope and Benefit

- Relocate sanitary sewer adjacent to water's edge to City right of way in roadway
- Install lift station and forcemain to wastewater treatment plant
- Install sidewalks and dedicated on-street parking
- Improve storm sewer drainage and resurface roadway



# Main Pump Station

	Project Cost
General Fund	\$563,452
Streets Fund	\$307,804
Black River Park Fund	\$130,672
Electric Fund	\$121,000
Water Fund	\$141,323
Sewer Fund	\$1,896,133
Sewer Fund/WWTP	\$7,103,640
Sewer Fund/LS	\$92,880
<b>Total</b>	<b>\$10,356,904</b>

## Scope and Benefit

- Remove existing pump station and forcemain on Dunkley/Wells, eliminate SSOs
- Extend watermain north along Dunkley into Park
- Enclose county drain to river
- Resurface streets from existing pump station to wastewater treatment plant
- Construct new detention area for heavy flows
- On-site generator



# Non-Sewer Related Major Capital Project -North Beach Improvements

	Project Cost
Streets Fund	\$220,000
Capital Projects 1 Fund	\$836,644
Water Fund	\$60,000
<b>Total</b>	<b>\$1,116,644</b>

## Scope and Benefit

- MNRTF Grant for \$300,000
- Implement Phase 1 of North Beach Park Master Plan
- Tables, benches, bike racks, recycling, beach access
- Playground
- Promenade/Plaza
- Improve flow to hydrant at Esplanade
- Resurface streets

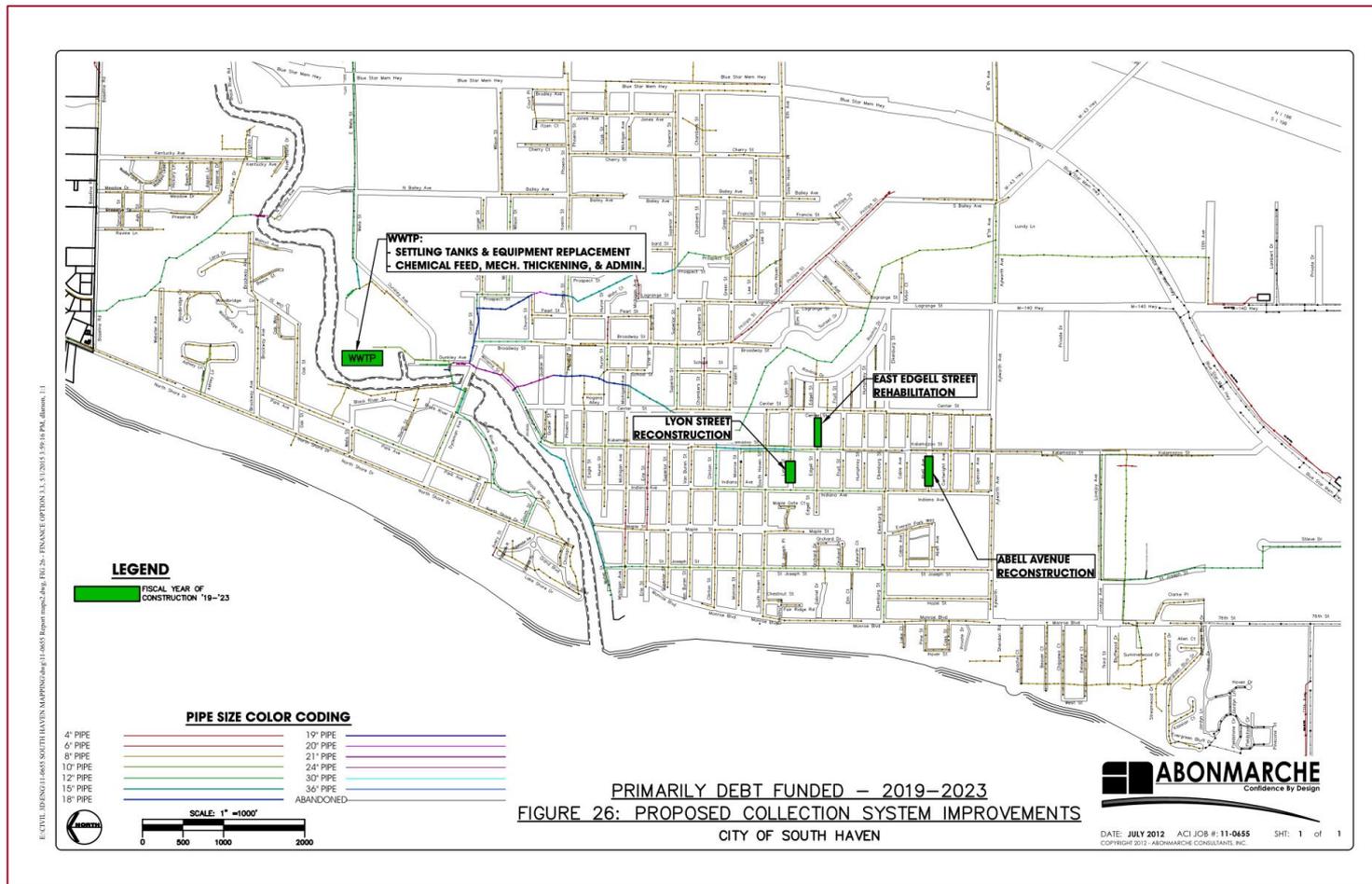


# Implementation Schedule

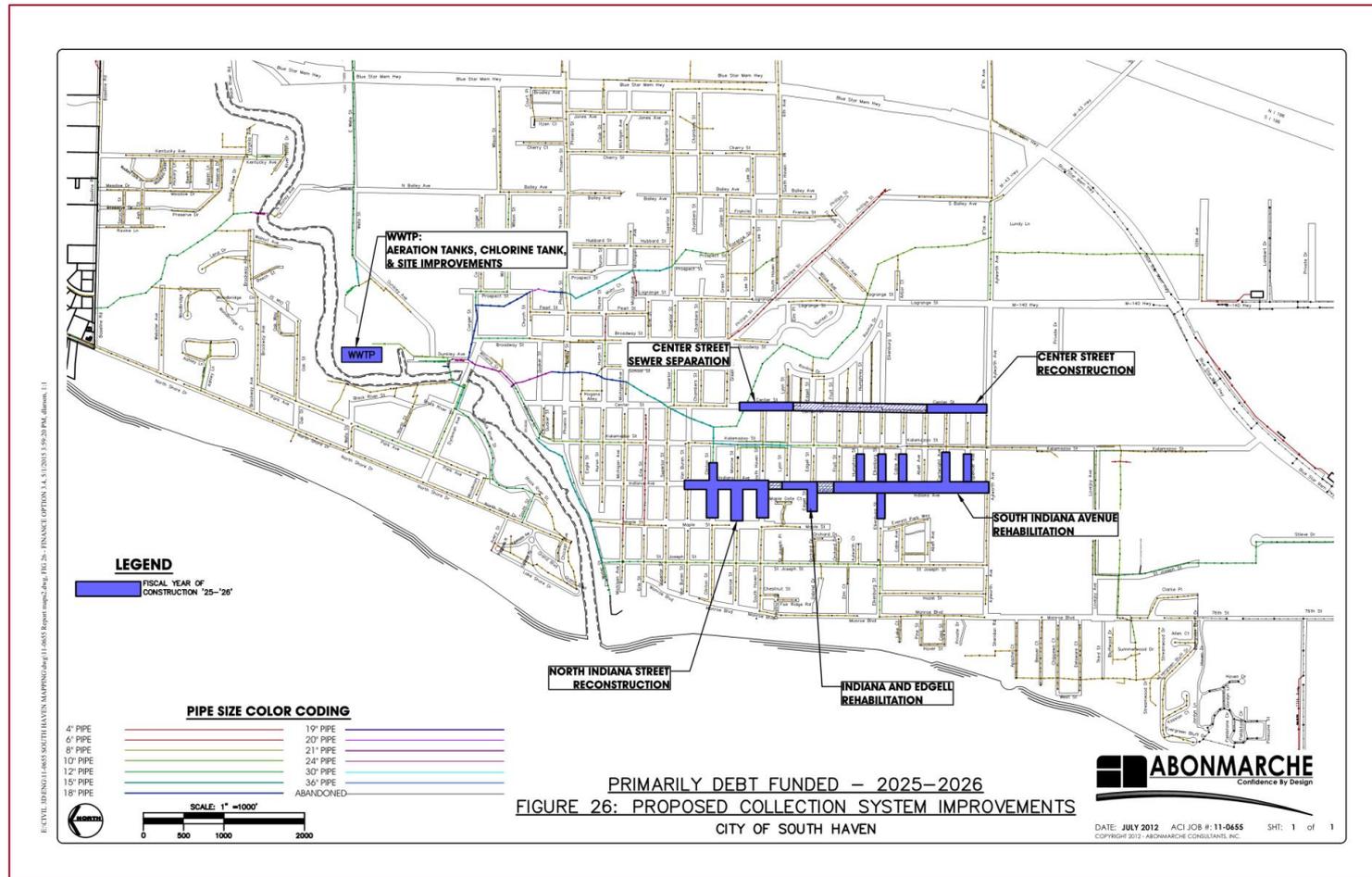


- Monroe/IGLS/Kalamazoo 4 9/16-7/17
- North Shore Drive – Segment 1 (Dyckman to Brockway) 9/16-5/17
- North Shore Drive – Segment 2 (Brockway to Baseline) 9/17-5/18
- Main Lift Station 9/16-9/18
- Black River Street 9/17-5/18
- Dunkley Avenue 9/17-5/18

# Phase 3 Projects



# Phase 4 Projects



# Issues to Address Together



- Of the projects identified above, the following address flows from both City and Township users
- Peterson Ravine
- Kalamazoo Street
- Indian Grove Lift Station
- Main/Wells Lift Stations
- WWTP

# Sources & Uses



# Project Plan: Sources of Funding



• Total Phase 2 Cost	\$22.4M
• Total DEQ/SRF Loan	\$12M
• Building Authority(Parks) Bond/General Fund	\$1.6M
• MTF Bonds/Streets	\$2.5M
• General Obligation Bond	<u>\$7.4M</u>
• Total to Request	\$23.5M
• Other Sources:	
• SAW Grants	\$583k
• Electric Funds	\$522k

# General Obligation Bond – Payback



- Water Funds
- Sewer Funds
- Street Funds
- Special Assessments – \$800,000
- LDFA
- DDA

# Other Capital Improvement Projects



# SAW Funded Engineering

	Project Cost
Streets Fund	\$106,099
<b>Total</b>	<b>\$106,099</b>

## Scope and Benefit

- Complete Design of Future Phases with SAW Grant Assistance

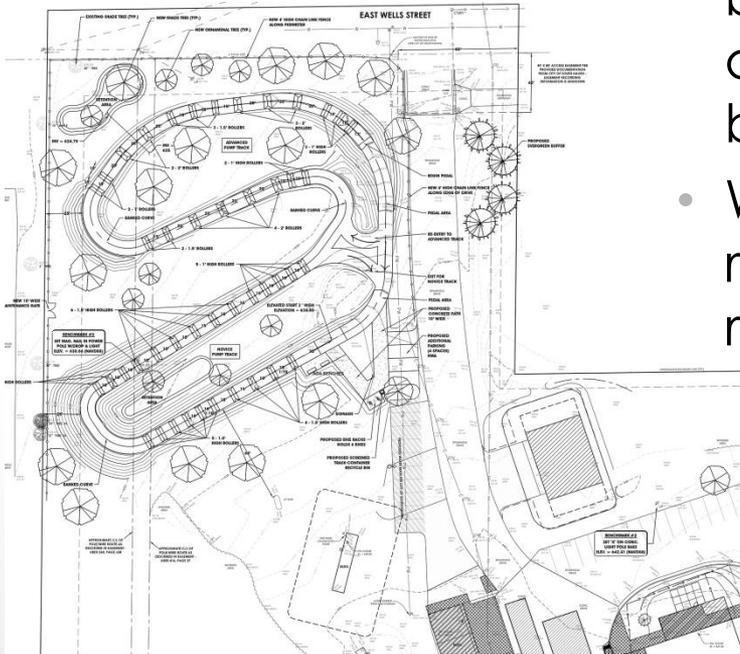


# BMX Pump Track

Project Cost	
Capital Projects 1 Fund	\$100,040
<b>Total</b>	<b>\$100,040</b>

## Scope and Benefit

- Grant = \$42,790
- Install pump track, landscaping, bike racks, benches, fences, parking area, trash and recycling bins
- Will increase outdoor recreation opportunities for residents and visitors



# Celery Pond/BRP Development

	Project Cost
Capital Projects 1 Fund	\$266,200
<b>Total</b>	<b>\$266,200</b>

## Scope and Benefit

- Grant = \$78,100
- Parking improvements
- Fishing platform
- Shore stabilization
- This project provides another recreation opportunity for residents and visitors and increases access to South Haven's waterways



# Celery Pond Ped. Bridge

	Project Cost
Capital Projects 1 Fund	\$85,000
<b>Total</b>	<b>\$85,000</b>

## Scope and Benefit

- Donations = \$35,000
- Access across creek
- Cleanup water's edge
- River overlook
- Another recreational feature for residents and visitors

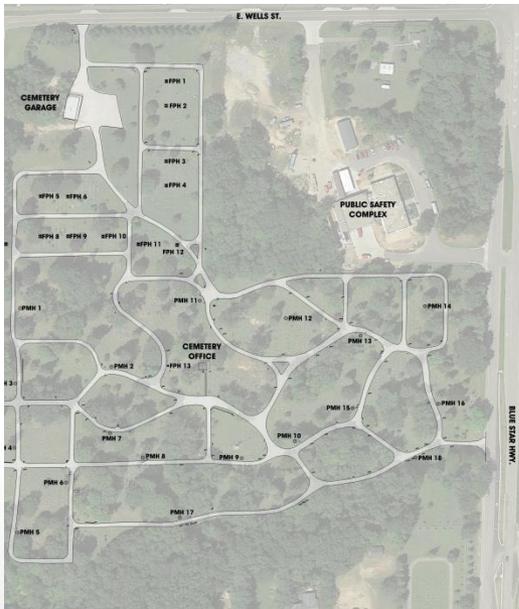


# Lakeview Cemetery Improvements

	Project Cost
Cemetery Improvements	\$211,740
<b>Total</b>	<b>\$211,740</b>

## Scope and Benefit

- Yard hydrant repairs and replacements
- Improvements to Bailey, Blue Star Highway, and Wells Street entrances
- Retaining wall and step replacements
- Building improvements
- Block markers/way-finding system
- Roadway crack sealing and maintenance repairs



# Black River Park – Skid Pier

	Project Cost
Black River Park	\$50,000
<b>Total</b>	<b>\$50,000</b>

## Scope and Benefit

- Grant = \$37,500
- Replace two skid piers at Black River Park – current piers are old and at the end of their life span



# Black River Park – Restroom Renovation

	Project Cost
Black River Park	\$87,500
<b>Total</b>	<b>\$87,500</b>

## Scope and Benefit

- Grant = \$37,500
- Upgrade fixtures, add improvements to become more ADA compliant
- Exterior repairs grant awarded

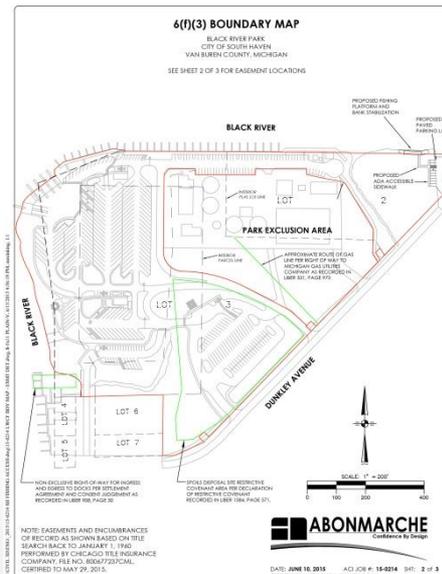


# Black River Park – Fish Cleaning Station

	Project Cost
Black River Park	\$165,000
<b>Total</b>	<b>\$165,000</b>

## Scope and Benefit

- Grant funded
- Reduce odors
- Station would use freezers to store fish waste instead of grinder disposal
- Project goal of enlisting a pet food provider to collect fish waste as a green option of disposing of fish waste



# Black River Park – Driveway Improvements

	Project Cost
Black River Park	\$172,000
<b>Total</b>	<b>\$172,000</b>

## Scope and Benefit

- Grant = \$86,000
- To be completed following sewer construction
- Driveway would improve circulation in and out of Black River Park. Current traffic is bottlenecked at the gate.



# South Side Marina - Roofing

	Project Cost
Marina Fund	\$125,000
<b>Total</b>	<b>\$125,000</b>

## Scope and Benefit

- Grant = \$62,500
- Replace existing roof with standing seam metal roof
- Update color scheme of the building
- Secure integrity of the structure

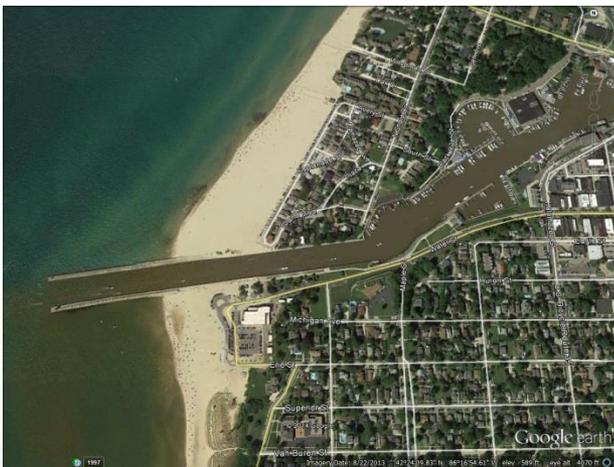


# South Side Marina – Engineering Study

	Project Cost
Marina Fund	\$100,000
<b>Total</b>	<b>\$100,000</b>

## Scope and Benefit

- Grant = \$50,000
- The project will benefit the City by evaluating how best to address wave impacts at the South Side Marina and other areas within the harbor
- It will also evaluate the feasibility of expansion of the South Side Marina docks



# Other Miscellaneous Capital Improvements – General Fund

• HVAC @ Public Safety	\$47,337
• Council Chambers	\$15,000
• Police Equipment	\$22,500
• Bailey Drain	\$68,425
• Harbor Walk	\$25,000
• Art Center	\$5,000
• LHBM	<u>\$5,000</u>
• Total	\$188,262
•	



# Other Miscellaneous Capital Improvements – Streets Fund

• LeGrange & Aylworth Signal	\$75,000
• Kalamazoo Street – Phase 3	<u>\$714,735</u>
• Total	\$789,735
•	



# Other Miscellaneous Capital Improvements – DDA

• Water Street Hillside	\$150,000
• Wi-Fi Upgrade Phase 2	\$100,000
• Harbor Walk	\$25,000
• Phoenix & Broadway Signal	<u>\$78,900</u>
• Total	\$353,900
•	



# Other Miscellaneous Capital Improvements – Electric Fund

• DPW Security	\$11,000
• 14 <sup>th</sup> Avenue	\$84,000
• Kalamazoo Street	\$51,000
• Capacitor Banks	\$24,500
• LeGrange/Phillips Street	<u>\$232,500</u>
• Total	\$403,000
•	



# Other Miscellaneous Capital Improvements – Water Fund

• Kalamazoo Street – Phase 3	\$359,292
• DPW Security	\$11,000
• Pump Refurbish, Business Park	<u>\$13,000</u>
• Total	\$383,292
•	



# Other Miscellaneous Capital Improvements – Sewer Fund

• Kalamazoo Street – Phase 3	\$458,512
• DPW Security	\$11,000
• WWTP – Asset Management	\$54,600
• WWTP – Primary Digester Mixing	<u>\$298,600</u>
• Total	\$822,712
•	



# Total Capital Improvements

• Loan or Bond	\$21,567,742
• Grant	\$1,548,466
• Donation	\$35,000
• City Funds	\$4,526,291
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# City of South Haven

City Hall • 539 Phoenix Street • South Haven, Michigan 49090-1499  
Telephone (269) 637-0700 • Fax (269) 637-5319

## Dunkley and Black River Infrastructure Improvements

### Dunkley - Dyckman Avenue to Black River Park

### Black River – Dyckman Avenue to Wells Street

#### Frequently Asked Questions (FAQ)

##### 1. Reasoning for the project.

The Waste Water Treatment Plant (WWTP) receives all flow from two (2) aging lift stations. These stations are referred to as the Main Lift Station (located on Dunkley Avenue) and the Wells Lift station (located north of the WWTP). Both of these stations have issues with their condition as they are older stations and have to be maintained frequently. The Main Lift station also has a capacity shortfall associated with high flows in wet weather. The capacity shortfall results in Sanitary Sewer Overflows (SSO's) that discharge to the Black River. Since 2000, the Main Lift Station is the most frequent source of SSO's in the City's collection system.

The existing sewer along Black River Street is located adjacent the Black River where its proximity to the river and private residences limit both access for maintaining the pipe as well as the ability of land owners to conduct improvements to their waterfront. Additionally, the pipe was found to have severe deflections and cannot be properly maintained because of its alignment. The sanitary sewer is proposed to be relocated into the City Right-of-Way on Black River Street to allow pipe accessibility so that proper maintenance can be conducted. This also allows the pipe to be relocated from its current location adjacent to the River which will reduce the potential for wet weather Infiltration/inflow (I/I) that creates capacity shortfalls within the collection system and causes problems at the WWTP.

A recently completed sewer system analysis recommended replacing both lift stations with consolidation into one station along with improvements to the WWTP facilities. This results in modifying the sewer alignments to allow more gravity fed sewers to the WWTP. In doing so, a smaller lift station is needed on Black River Street to send sewer flows directly to the WWTP. This new configuration will allow the improvements to be constructed while maintaining sewer service to sewer users while addressing capacity issues present with the existing system.

##### 2. What are the project limits?

Black River Street - Dyckman Avenue to Wells Street  
Dunkley Avenue – Dyckman Avenue to Black River Park  
Wastewater Treatment Plant



**3. What is the scope of the project?**

**a. Black River Street**

The project will include complete reconstruction of Black River Street to accommodate on-street parking, new sidewalk on the east side, replacement of the sanitary sewer mains and services, construction of new storm sewers, and a new lift station and force main under Black River.

**b. Black River Street**

Infrastructure improvements on Dunkley will include removal and replacement of the pavement surface to install sanitary sewer and water mains from the existing lift station to Black River Park. Storm drainage upgrades will be made within the Black River Park area as well.

**4. What is the project schedule?**

The project will be completed in three phases:

Phase 1      Black River Park – Wastewater Treatment Plant Area

Construction Start Date: On or after September 6, 2016

Construction Completion Date: September 2018

Phase 2      Black River Street & Dunkley Avenue (Work within roadway)

Construction Start Date: On or after September 5, 2017

Construction Completion Date: May 31, 2018

Phase 3      Black River Street service tie-ins and sewer abandonment

Construction Start Date: May 31, 2018

Construction Completion Date: August 31, 2018

Substantial Completion: August 31 2018

**5. How much will this cost me?**

The city typically levies a special assessment for 25% of the cost of sanitary sewer and water main construction and 50% for sidewalk construction. The special assessments will be limited to work that directly benefits customers that are connected to the mains being reconstructed. Typically, the special assessment amounts are based on actual bid costs. We have an Engineer's Estimate of costs at this time. The improvements/consolidation of the Main & Wells Street Lift Stations are applicable to all sewer customers and will be paid through sewer rates over the entire system. The water system improvements on Black River Street consist of minor connections and services which will not be special assessed. The water system improvements on Dunkley will be \$211,000 or approximately \$500-1,000 per household in the Slip Away Cove Condos. The new sewer main on Black River Street will result in approximately \$410,000 of assessable costs or approximately \$2,500 per REU. Residents in this area may also be required to



pay for an assessment for the Black River Street lift station construction costs of \$572,000 which could range from approximately \$300-500 per household. New sidewalks in the Black River Street project are also special assessed for 50% of the cost of the improvements. These assessments are levied on both sides of the road regardless of the side the sidewalk is placed. The sidewalk costs are estimated to be \$36,000 which could cost approximately \$1,500 per lot fronting Black River Street.

Special assessment amounts may be paid off in one lump sum or in a series of 15 annual payments plus interest. In addition, if you are experiencing a financial hardship, you may apply for a poverty exemption on an annual basis. Property owners with approved poverty exemptions will not be required to pay the annual special assessment amount during the year that they are exempt from property taxes.

**6. Will the roadway width be changed?**

**a. Black River Street**

The current roadway on Black River Street is roughly 33' and will be widened to 39' (measured from back of curb to back of curb) to accommodate two sided on-street parking. The road will be evenly widened on both sides 3'.

**b. Dunkley**

Dunkley Avenue will not be widened prior to Black River Park but will be replaced to extend curbs north to the Black River Park culvert crossing. The portion within the Park is currently 22' to 28' and will be replaced with a consistent 24' pavement width. Gravel shoulders 2' in width will be provided on each side of the roadway.

**7. Will on-street parking remain on Black River Street with the new configuration?**

**a. Black River Street**

As a result of the increase in roadway width, the city will be able to delineate parking spaces with pavement striping on both sides of the roadway. 65 parking spaces are anticipated to be marked.

**8. Will Police/Fire have access to homes/businesses during the construction, should there be an emergency?**

Public safety is of the utmost importance. We will be in regular contact with Public Safety officials to ensure that they are aware of the construction activities. Also, contractors are instructed to make sure that the road is passable at all times for emergency vehicles.

**9. Will we be able to get to and use our driveways during the duration of the project?**

The contractor will make every effort to provide access to driveways during the construction project. However, there will be times that access is restricted. Those are typically limited in duration to times that utility work is occurring in front of your home/business, and during



restoration of concrete curb, driveways and sidewalks. The contract will include maintenance gravel to maintain a gravel surface to permit access to your home or business.

**10. Will sidewalks be replaced?**

**a. Black River Street**

Sidewalk is going to be added to the east side of Black River Street to allow for easier pedestrian access in the area.

**b. Dunkley**

Sidewalk impacted on the north side of Dyckman will be replaced in its existing location.

**11. Will driveway approaches be replaced?**

Yes, all driveway approaches within the project limits will be replaced with 6 inch non-reinforced concrete.

**12. Will I be without water during the construction project?**

**a. Black River Street**

On Black River Street, a portion of water main is anticipated to be relocated to allow for utility construction.

**b. Dunkley**

New 8" water main will be installed within the Black River Park area to allow for water service connections to the Wastewater Treatment Plant and additional fire hydrants.

**c. General**

Both of these shutoffs should not impact residents for an extended period of time (typically half a day). Water shut offs will be coordinated with residents and door hangers will be distributed to the maximum extent possible so that we do not turn off your water unexpectedly.

**13. How will my trash be picked up during the construction project?**

On past projects we have asked residents to take their trash receptacle to the nearest side street when the job conditions make it difficult for garbage trucks to pick up trash within the construction site. If you need assistance with your trash receptacle please contact the site inspector for assistance.

**14. Will I get a ticket for parking on the side streets overnight during the project?**

In the past we have had projects extend into the period where overnight parking is prohibited on city streets. If this situation occurs on this project we will coordinate with the South Haven Police Department to allow overnight parking for those residents within the construction limits.



**Monroe Boulevard & Indian Grove Lift Station: Evergreen Bluff Dr. to North of Aylworth Ave.  
Kalamazoo Street – Phase IV: Lovejoy Ave. to Aylworth Ave.**

FAQ

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**Who can I contact if I have any other questions?**

Larry Halberstadt, PE, City Engineer

City of South Haven

Phone: 269-637-0770

Email: [lhalberstadt@south-haven.com](mailto:lhalberstadt@south-haven.com)

Daniel A. Dombos II, PE, Project Engineer

Abonmarche Consultants

Phone: 269-926.4549

Email: [ddombos@abonmarche.com](mailto:ddombos@abonmarche.com)





# NOTICE

## **Black River Street Reconstruction Dunkley Avenue Reconstruction**

**Public Open House Meeting**

**May 24, 2016, 5:00 p.m. to 7:00 p.m.**

**South Haven City Hall, 539 Phoenix Street**

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A public open house meeting will be conducted at City of South Haven, City Hall, Council Chambers, 539 Phoenix Street on Tuesday, May 24, 2016 from 5:00 p.m. to 7:00 p.m. to discuss the reconstruction of Black River Street from Dyckman Avenue to Wells Street and Dunkley Avenue from Dyckman Avenue to Black River Park.

The project will include complete reconstruction of the roadway, sanitary sewer, storm sewer, water main, lift station upgrades and replacement, and Wastewater Treatment Plant Improvements. Construction is anticipated to begin in September of 2016, with completion by September, 2018.

Project Plans will be available for review at the public open house, along with additional information related to the project. All property owners who live within the project limits and other interested parties are encouraged to attend the meeting.

**If you have any questions, please contact:**

**City of South Haven  
Larry Halberstadt, PE  
269-637-0770**

**Abonmarche Consultants  
Jason Marquardt, PE  
269-926-4565**





# City of South Haven

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## North Shore Drive Reconstruction Project

### Dyckman Avenue to Baseline Road

#### Frequently Asked Questions (FAQ)

**1. What are the project limits?**

North Shore Drive - Dyckman Avenue to Baseline Road & Dyckman Avenue - Park Street to North Shore Drive

**2. What is the scope of the project ?**

The project will include complete reconstruction of the roadway to accommodate on-street parking, new sidewalks, replacement of the sanitary sewer mains and services, construction of new storm sewers, minor water main work, new street trees and landscaping, relocation and upgrades to the electric utilities, and beach access improvements.

**3. What is the project schedule?**

The project will be completed in two phases:

Phase 1 Dyckman Avenue – Park Street to North Shore Drive

Construction Start Date: On or after September 6, 2016

Construction Completion Date: September 30, 2016

Phase 2 North Shore Drive – Dyckman Avenue to Brockway Avenue

Construction Start Date: October 1, 2016

Construction Completion Date: May 31, 2017

Phase 2 North Shore Drive – Brockway Avenue to Baseline Road

Construction Start Date: On or after September 5, 2017

Construction Completion Date: May 31, 2018

**4. How much will this cost me?**

The city typically levies a special assessment for 25% of the cost of sanitary sewer and water main construction. The special assessments will be limited to work that directly benefits customers that are connected to the mains being reconstructed. Typically, the special assessment amounts are based on actual bid costs. We have an Engineer's Estimate of costs at this time. The water system improvements consist of minor connections and services which will



not be special assessed. The new sewer main will result in approximately \$150,000 of assessable costs or approximately \$1,500 per household. Residents in this area may also be required to pay for an assessment for the Black River Street lift station construction which could range from approximately \$300-500 per household. Special assessment amounts may be paid off in one lump sum or in a series of 15 annual payments plus interest. In addition, if you are experiencing a financial hardship, you may apply for a poverty exemption on an annual basis. Property owners with approved poverty exemptions will not be required to pay the annual special assessment amount during the year that they are exempt from property taxes.

**5. Will the roadway width be changed?**

The current roadway width varies from 31-37'. In order to meet current standards for Major Streets with on-street parallel parking, the pavement width will be widened to 41' - measured from the back of curb to back of curb. The net increase will be a 2-5' widening on each side of the road.

**6. Will on-street parking remain on North Shore Drive with the new configuration?**

As a result of the increase in roadway width to meet current standards, the city will be able to delineate parking spaces with pavement striping. Our analysis shows 156 unmarked parking spaces currently along North Shore Drive, and the proposed plan will designate 168 striped parking spaces – a net increase of 12 spaces.

**7. Will bicycle lanes be added to the street?**

On-street bicycle lanes are required to be a minimum of 5 feet on both sides of the street. Due to the widening that is already taking place to meet current standards and the desire to maintain a curb lawn on North Shore Drive, bicycle lanes will not be added at this time.

**8. Will trees be removed in front of my house?**

In late 2015, the city's arborist evaluated existing trees along the North Shore Drive corridor. Of the 81 existing trees, 16 were deemed to be unhealthy and were recommended for removal. In addition, 10 existing trees have been identified as in conflict with the construction work that will occur. A comprehensive streetscape plan has been prepared which includes 73 new street trees of 2-3" caliper that will be planted to replace these trees – a net increase of 47 trees.

**9. Will Police/Fire have access to homes during the construction, should there be an emergency?**

Public safety is of the utmost importance. We will be in regular contact with Public Safety officials to ensure that they are aware of the construction activities. Also, contractors are instructed to make sure that the road is passable at all times for emergency vehicles.



**10. Will we be able to get to and use our driveways during the duration of the project?**

The contractor will make every effort to provide access to driveways during the construction project. However, there will be times that access is restricted. Those are typically limited in duration to times that utility work is occurring in front of your house, and during restoration of concrete curb, driveways and sidewalks. The contract will include maintenance gravel to maintain a gravel surface to permit access to your home.

**11. Will sidewalks be replaced?**

Yes, sidewalks will be replaced for the entire length of North Shore Drive. In addition, sidewalk ramps will be upgraded to conform to the American Disabilities Act.

**12. Will driveway approaches be replaced?**

Yes, all driveway approaches within the project limits will be replaced with 6 inch non-reinforced concrete.

**13. How will beach access sites be improved?**

Four (4) beach access sites will be improved as a part of this project. The following will give a brief description of the improvements at each site.

*Dyckman Avenue* – New entrance sign, bicycle racks, trash receptacle, and landscaping.

*Packard Park* – New entrance sign, bicycle racks, trash receptacle, landscaping, asphalt overlay of the driveways and parking areas, and pavement markings.

*Oak Street* – New entrance sign, bicycle racks, trash receptacle, and landscaping.

*Newcome Beach* – New paved driveway/walkway, storm sewer improvements, bicycle racks and trash receptacle at the west end, and replacement of the wood deck and stairs.

**14. Will I be without water during the construction project?**

An existing 6 inch water main will be abandoned and services will be reconnected to the 12 inch main which runs under the west sidewalk. During this time residents will be without water for a short duration (one to two hours). Water shut offs will be coordinated with residents and door hangers will be distributed to the maximum extent possible so that we do not turn off your water unexpectedly.

**15. How will my trash be picked up during the construction project?**

On past projects we have asked residents to take their trash receptacle to the nearest side street when the job conditions make it difficult for garbage trucks to pick up trash within the construction site. If you need assistance with your trash receptacle please contact the site inspector for assistance.



**16. Will I get a ticket for parking on the side streets overnight during the project?**

In the past we have had projects extend into the period where overnight parking is prohibited on city streets. If this situation occurs on this project we will coordinate with the South Haven Police Department to allow overnight parking for those residents within the construction limits.

**17. If I have an irrigation system that is damaged during the project whose responsibility is it to fix it?**

The City will reimburse you to have the damaged irrigation system repaired by the contractor of your choosing. If you do not know any local contractors, we can provide a list of recommended vendors.

**Who can I contact if I have any other questions?**

Larry Halberstadt, PE, City Engineer  
Phone: 269-637-0770  
Email: [lhalberstadt@south-haven.com](mailto:lhalberstadt@south-haven.com)

Corey Kandow, PE, Project Engineer  
Abonmarche Consultants  
Phone: 269-926-4558  
Email: [ckandow@abonmarche.com](mailto:ckandow@abonmarche.com)





# NOTICE

## North Shore Drive Reconstruction

Public Open House Meeting

May 11, 2016, 5:00 p.m. to 7:00 p.m.

South Haven City Hall, 539 Phoenix Street

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A public open house meeting will be conducted at City of South Haven, City Hall, Council Chambers, 539 Phoenix Street on Wednesday, May 11, 2016 from 5:00 p.m. to 7:00 p.m. to discuss the reconstruction of North Shore Drive from Dyckman Avenue to Baseline Road.

The project will include complete reconstruction of the roadway, sanitary sewer, and storm sewer, and will be completed in two phases – Phase 1: Dyckman Avenue to Brockway Avenue is tentatively scheduled to begin in September, 2016 with completion by May 31, 2017; Phase 2: Brockway Avenue to Baseline Road is tentatively scheduled to start in September, 2017 with completion by May 31, 2018.

Project Plans will be available for review at the public open house, along with additional information related to the project. All property owners who live within the project limits and other interested parties are encouraged to attend the meeting.

**If you have any questions, please contact:**

**City of South Haven**  
**Larry Halberstadt, PE**  
**269-637-0770**

**Abonmarche Consultants**  
**Tim Drews, PE**  
**269-926-4550**





# City of South Haven

City Hall • 539 Phoenix Street • South Haven, Michigan 49090-1499  
Telephone (269) 637-0700 • Fax (269) 637-5319

## **Monroe Boulevard & Indian Grove Lift Station Reconstruction Evergreen Bluff Drive to North of Aylworth Avenue**

### **Kalamazoo Street – Phase IV Lovejoy Avenue to Aylworth Avenue**

#### Frequently Asked Questions (FAQ)

**1. What are the project limits?**

Monroe Boulevard – Evergreen Bluff Drive to Aylworth Avenue (sidewalk to South Shore Manor)  
Lovejoy Avenue – Monroe Boulevard to St. Joseph Street  
Kalamazoo Street – Lovejoy Avenue to Aylworth Avenue

**2. What is the scope of the project ?**

**a. Monroe Boulevard:**

The project will include complete reconstruction of the roadway with the addition of curb and gutter, a new sidewalk, construction of a new sanitary sewer on Monroe Boulevard from Chippewa Court to Aylworth Avenue, replacing and upsizing of water main from Clark Place to north of Apache Court for better flow, construction of new storm sewers, new street trees and landscaping, relocation and upgrades to the electric utilities.

**b. Indian Grove Lift Station and Force Main:**

The existing Indian Grove Lift Station on Summerwood Drive will be rehabilitated, including new building, plumbing, controls, landscaping, and a new emergency generator.

The pressure sewer (force main) will be replaced from the Lift station to Monroe Boulevard, then north on Monroe Boulevard to Lovejoy Avenue, and east on Lovejoy Avenue to St. Joseph Street.

**c. Kalamazoo Street – Phase IV**

Reconstruction of Kalamazoo Street, replacement and extension of sanitary sewer from Aylworth Avenue approximately 940 feet south, replacement of the Indian Grove Force Main from the intersection of Lovejoy Avenue and Kalamazoo Street to the new terminal manhole approximately 400 feet to the north.



**3. What is the project schedule?**

Construction Start Date: On or after September 6, 2016

Construction Completion Date: June 30, 2017

**4. How much will this cost me?**

The city typically levies a special assessment for 25% of the cost of sanitary sewer and water main construction and 50% of sidewalk construction. The special assessments will be limited to work that directly benefits customers that are connected to the mains being reconstructed.

Typically, the special assessment amounts are based on actual bid costs. We have an Engineer's Estimate of costs at this time. The water system improvements consist of approximately 1500 feet of 12" water main installation and appurtenances, which is estimated to cost \$244,000 or approximately \$2,775/household. The new sewer main will result in approximately \$130,000 of assessable costs or approximately \$2,000 per household. Residents in this area who contribute flow to the Indian Grove lift station will also be required to pay for an assessment for the Indian Grove lift station construction costs of \$700,000, which could range from approximately \$600-1000 per household. New sidewalks will also be special assessed for 50% of the cost of improvements. These assessments are levied on both sides of the road regardless of the side the sidewalk is placed. The sidewalk will be placed on the east side of the road and is estimated to cost \$89,000 or approximately \$1,200 per lot fronting on Monroe Boulevard in the project area. Furthermore, the Kalamazoo Street project area will also have special assessments for sewer and water. The cost of the sewer improvements is estimated to be \$163,821 or approximately \$334/REU. The water system costs of \$75,133 are expected to result in a special assessment of \$200/REU. This project area is estimated based upon REUs since the properties are large and the REUs are much larger and more variable than in the residential areas. Ultimately, all of the sewer and water special assessments will be based upon REUs.

Special assessment amounts may be paid off in one lump sum or in a series of 15 annual payments plus interest. In addition, if you are experiencing a financial hardship, you may apply for a poverty exemption on an annual basis. Property owners with approved poverty exemptions will not be required to pay the annual special assessment amount during the year that they are exempt from property taxes.

**5. Will the roadway width be changed?**

**a. Monroe Boulevard:**

The majority of the current roadway is uncurbed measuring 21' to 26' wide. There is a small curbed section near the Aylworth intersection measuring 37' to the back of curb. The proposed roadway section includes curb and gutter throughout the project area measuring 30' to the back of curb. Through the majority of the project, the net increase will be a 2' to 4.5' widening on each side of the road. A 5' sidewalk will also be added on the east side of the roadway with a parkway varying from 0-10'. The sidewalk



will be widened to 6' where it is constructed adjacent to the back of curb.

**b. Kalamazoo Street**

No change to the roadway width is proposed.

**6. Will on-street parking be added?**

The proposed roadway section constitutes a significant widening of the existing roadway. Further widening to accommodate on-street parking is not feasible on this stretch of Monroe Boulevard without additional impacts to existing culverts, trees, lawns, and driveway slopes.

**7. Will bicycle lanes be added to the street?**

**a. Monroe Boulevard:**

On-street bicycle lanes are required to be a minimum of 5 feet on both sides of the street. Due to the widening that is already taking place and the desire to maintain existing trees and a curb lawn on Monroe Boulevard, bicycle lanes will not be added at this time. Sharrow markings and widened 13' lanes with edge lines will improve access for non-motorized users.

**b. Kalamazoo Street:**

No bicycle paths are proposed.

**8. Will trees be removed in front of my house?**

In late 2015, the city's arborist evaluated existing trees along the Monroe Boulevard corridor. Of the 53 existing trees, 21 were deemed to be unhealthy and were recommended for removal. In addition, through careful planning, only 6 existing trees have been identified as in conflict with the construction work that will occur. A comprehensive streetscape plan has been prepared which includes 21 new street trees of 2-3" caliper that will be planted to replace these trees – a net decrease of 6 trees.

**9. Will Police/Fire have access to homes during the construction, should there be an emergency?**

Public safety is of the utmost importance. We will be in regular contact with Public Safety officials to ensure that they are aware of the construction activities. Also, contractors are instructed to make sure that the road is passable at all times for emergency vehicles.

**10. Will we be able to get to and use our driveways during the duration of the project?**

The contractor will make every effort to provide access to driveways during the construction project. However, there will be times that access is restricted. Those are typically limited in duration to times that utility work is occurring in front of your house, and during restoration of concrete curb, driveways and sidewalks. The contract will include maintenance gravel to maintain a gravel surface to permit access to your home.



**11. Will sidewalks be replaced?**

**a. Monroe Boulevard:**

There are no existing sidewalks on Monroe Boulevard. A sidewalk will be added to the east side of the roadway with signed crossings located at regular intervals near intersecting streets.

**b. Kalamazoo Street:**

There are no existing sidewalks on this segment of Kalamazoo Street. Driveway replacements will include curb openings to allow for the possibility of sidewalk construction in the future.

**12. Will driveway approaches be replaced?**

Yes, all driveway approaches within the project limits will be replaced with 6 inch non-reinforced concrete.

**13. Will I be without water during the construction project?**

A new main and services will be installed under most of the project area on Monroe Boulevard. During this time residents will be without water for a short duration (one to two hours) during the service connection. Water shut offs will be coordinated with residents and door hangers will be distributed to the maximum extent possible so that we do not turn off your water unexpectedly.

**14. How will my trash be picked up during the construction project?**

On past projects we have asked residents to take their trash receptacle to the nearest side street when the job conditions make it difficult for garbage trucks to pick up trash within the construction site. If you need assistance with your trash receptacle please contact the site inspector for assistance.

**15. Will I get a ticket for parking on the side streets overnight during the project?**

In the past we have had projects extend into the period where overnight parking is prohibited on city streets. If this situation occurs on this project we will coordinate with the South Haven Police Department to allow overnight parking for those residents within the construction limits.

**16. If I have an irrigation system that is damaged during the project whose responsibility is it to fix it?**

The City will reimburse you to have the damaged irrigation system repaired by the contractor of your choosing. If you do not know any local contractors, we can provide a list of recommended vendors.



**Monroe Boulevard & Indian Grove Lift Station: Evergreen Bluff Dr. to North of Aylworth Ave.  
Kalamazoo Street – Phase IV: Lovejoy Ave. to Aylworth Ave.**

FAQ

Page 5 of 5

**Who can I contact if I have any other questions?**

Larry Halberstadt, PE, City Engineer

City of South Haven

Phone: 269-637-0770

Email: [lhalberstadt@south-haven.com](mailto:lhalberstadt@south-haven.com)

Daniel A. Dombos II, PE, Project Engineer

Abonmarche Consultants

Phone: 269-926.4549

Email: [ddombos@abonmarche.com](mailto:ddombos@abonmarche.com)





# NOTICE

## **Monroe Boulevard Reconstruction Kalamazoo Street Reconstruction, Ph 4**

**Public Open House Meeting**

**May 19, 2016, 5:00 p.m. to 7:00 p.m.**

**South Haven City Hall, 539 Phoenix Street**

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A public open house meeting will be conducted at City of South Haven, City Hall, Council Chambers, 539 Phoenix Street on Thursday, May 19, 2016 from 5:00 p.m. to 7:00 p.m. to discuss the reconstruction of Monroe Boulevard from South City Limits to Aylworth Avenue and Kalamazoo Street from Lovejoy Avenue to Aylworth Avenue.

The project will include complete reconstruction of the roadway, sanitary sewer, storm sewer, and water main. Construction is anticipated to begin in September of 2016, with completion by June 30, 2017.

Project Plans will be available for review at the public open house, along with additional information related to the project. All property owners who live within the project limits and other interested parties are encouraged to attend the meeting.

**If you have any questions, please contact:**

**City of South Haven  
Larry Halberstadt, PE  
269-637-0770**

**Abonmarche Consultants  
Dan Dombos, PE  
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