



# CITY OF NEW ORLEANS

French Quarter Infrastructure Improvement Project  
Pre-Construction Community Meeting  
April 18, 2017

# Agenda

- Introduction ..... 6:00 p.m.
- City-Wide Public Safety Improvement / FQ Infrastructure Overview..... 6:05 p.m.
- Project Overview and construction sequencing..... 6:10 p.m.
- Question & Answer Session..... 6:35 p.m.

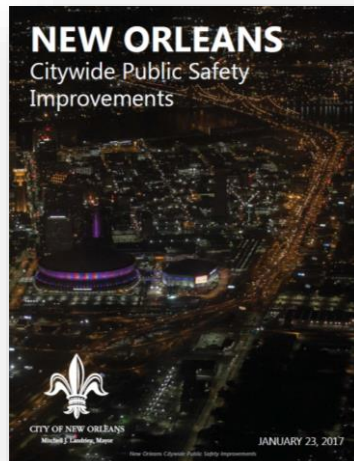
## Ground Rules

- Please be sure to sign in
- Submit comments / questions related to the French Quarter Infrastructure Improvement Project on comment cards
- In order to address everyone's comments and questions, cards will be read aloud and addressed by staff during question & answer session
- Comment cards will be collected throughout the presentation



# City-Wide Public Safety Improvement Program

- Holistic approach to improving safety throughout the City and in the French Quarter in particular
- Calls for use of technology and improvements to physical environment to reduce crimes of opportunities and improve quality of life for residents
- Safety initiatives address crime and reduce the risk of terrorist attacks
- French Quarter initiatives to address infrastructure and security



# French Quarter Infrastructure Improvement Projects

- Enhanced lighting for increased visibility
- Continue sidewalk repairs
- Repair Bourbon Street surface and underground infrastructure
  - Bourbon St (Canal – Dumaine) repairs
  - Repair intersections on Iberville with significant pavement cracking/distress
  - Repave 10 blocks to improve drainage and fix gutter bottoms



# French Quarter Infrastructure Improvement Project

*March 31* - held two planning meetings with Bourbon Street business owners and residents between the 100 – 800 blocks

## *Concerns that were raised:*

- Construction start time, sequencing, close coordination with utilities, open and transparent communication throughout construction

## Adjustments that have been made based on stakeholder feedback:

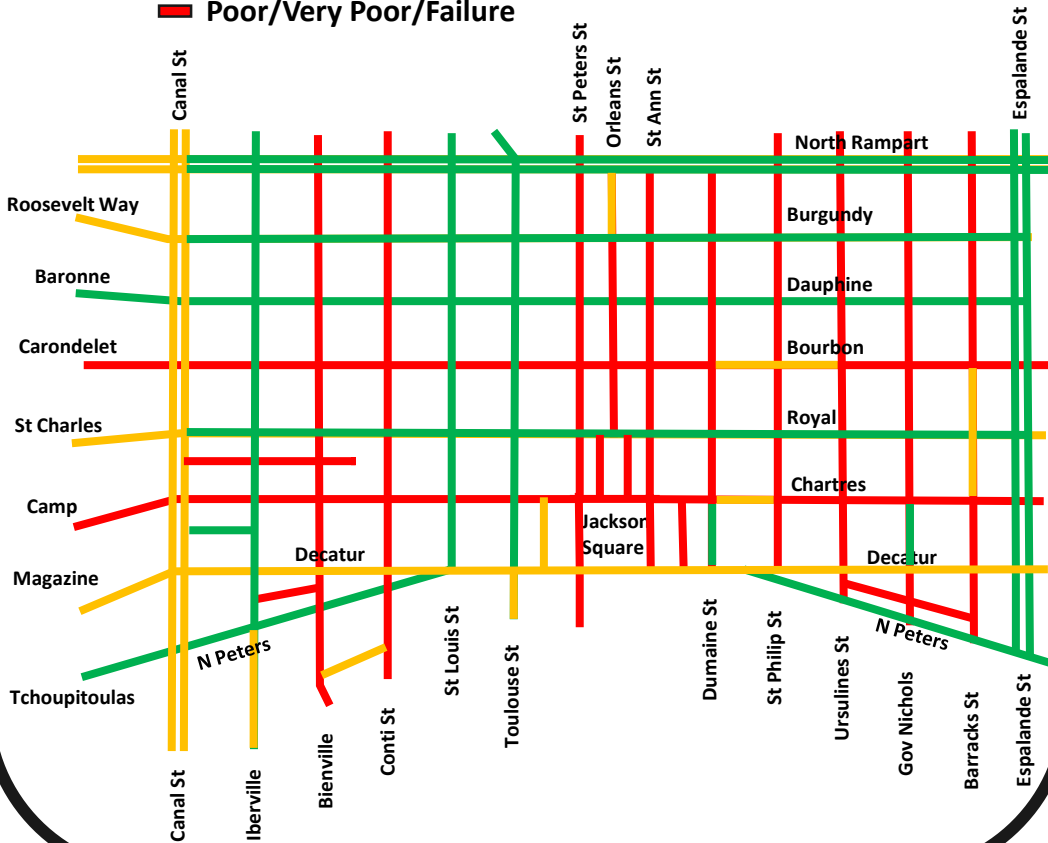
- **Work hours:** construction start time changed from 6am until 8am
- **Sequencing:** construction sequencing adjusted based
- **Communication:** Bi-weekly in-person progress meetings (Location TBD)
- **Entergy:** Ongoing coordination with Entergy Gas to integrate their high pressure gas line and underground electrical conduit work into the project while minimizing resident and business owner impacts
- **Sanitation:** Ongoing coordination with Sanitation
- **Parking Enforcement:** Ongoing coordination with Parking



# French Quarter Infrastructure Overview

## Legend: Pavement Condition

- Excellent/Good
- Fair
- Poor/Very Poor/Failure



- Total = 16.4 Lane-miles (approx. 100 blocks)
- Average Condition = Poor (D)
- Over half of drainage system undersized
- 1,100 streetlights; majority decorative Vieux Carre fixtures (non-LEDs)
- Currently less than 50 streetlight outages
- 278 metered parking spaces



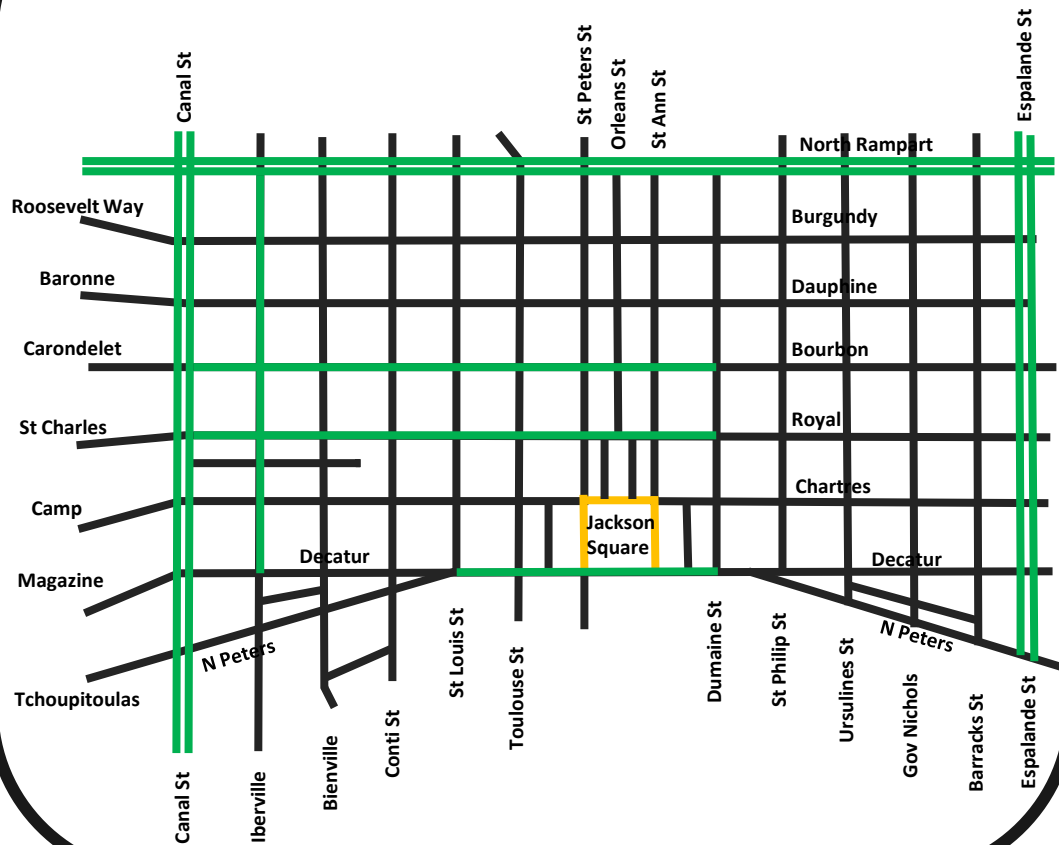
# French Quarter Infrastructure

## Streetlights

### Legend: LED Upgrades

■ Previously Completed LED Upgrades

■ LED Upgrades Currently Underway



- To deter crime and improve the performance of the camera surveillance system, the City will enhance the lighting on Bourbon St and throughout the French Quarter.
- Planning for the installation of 12 additional light poles around the perimeter of Jackson Square underway.
- Additional priorities for LED inserts:
  - Remainder of Iberville and Decatur/N Peters.
  - Remainder of Bourbon, Royal, and Chartres.
  - St Peters, Conti, St Louis, Bienville, Toulouse, Orleans, St Ann, Dumaine



# French Quarter Infrastructure

## Sidewalks

### Legend: Sidewalk Repairs

- Previously Completed Repairs
- Additional Planned Sidewalk Repairs

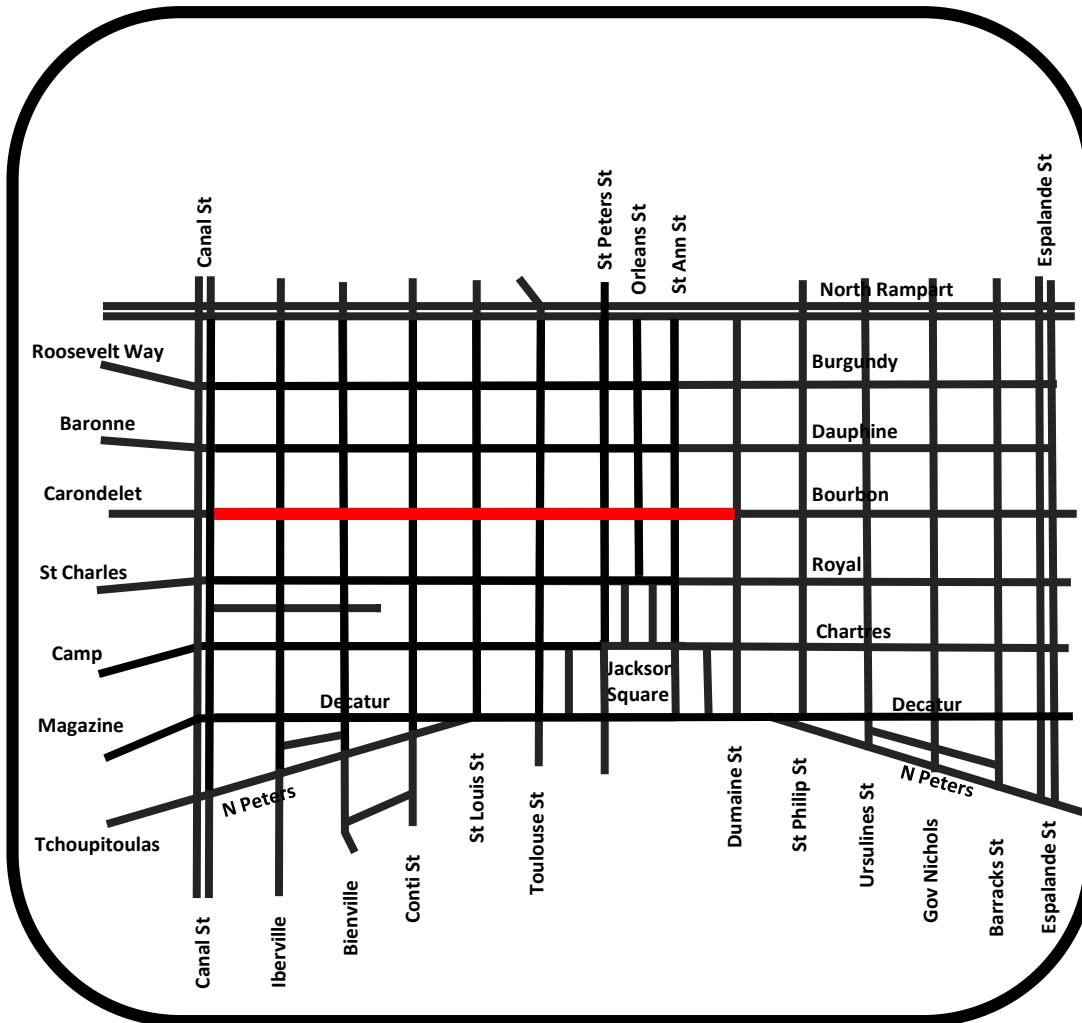


- To reduce the risk of slips and falls and improve pedestrian and wheelchair access, the City will continue the extensive sidewalk repairs underway in the French Quarter.
- Additional planned sidewalk repairs:
  - Remainder of Decatur.
  - Perimeter of Jackson Square.
  - Royal St (St Ann – Dumaine)
  - Ursuline & Gov Nichols (Decatur-N Peters)
- Work currently scheduled to start in June 2017 and be completed before the end of the year.



# Bourbon St. – Pavement Conditions

## Canal St. – Dumaine St.

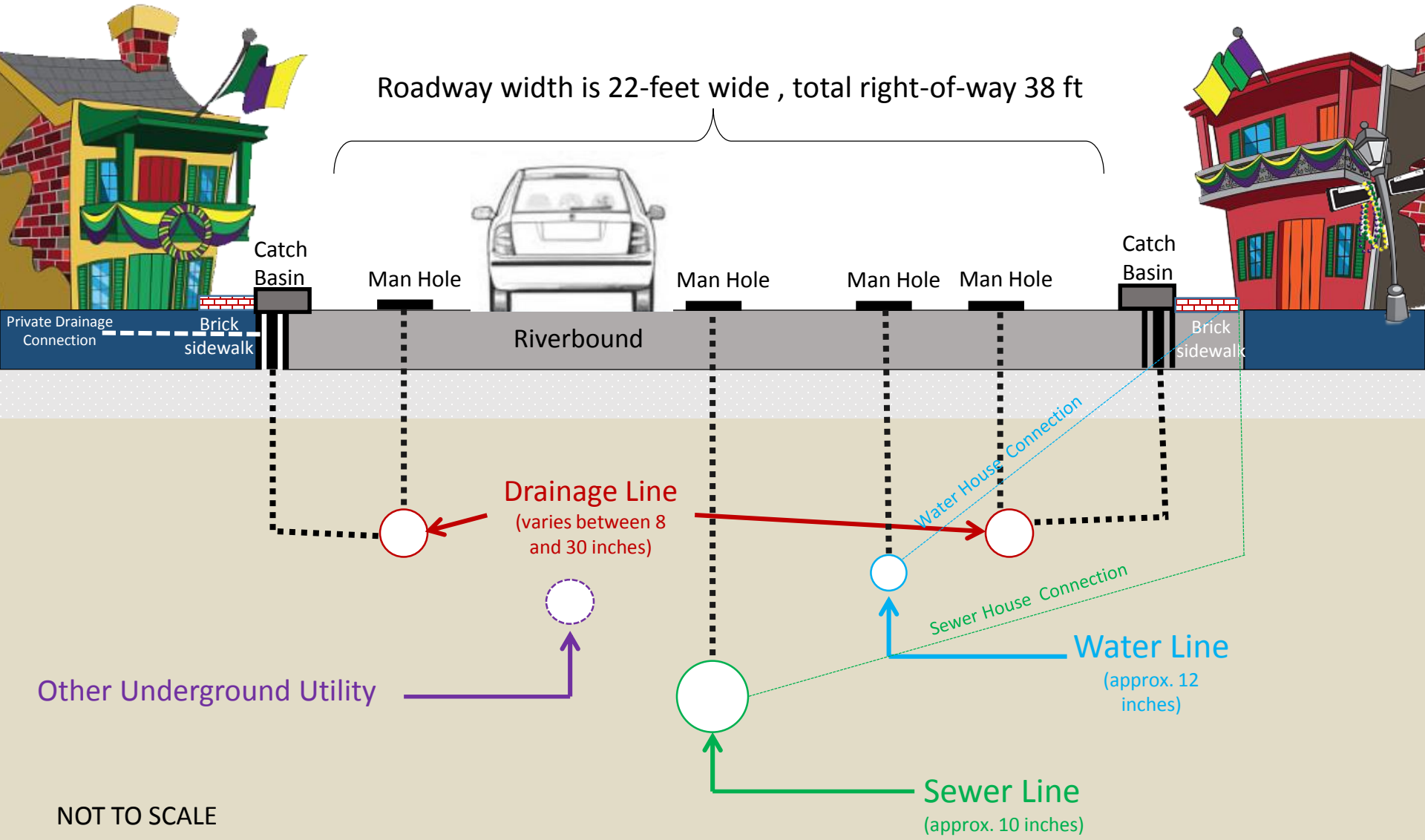


- 8 blocks (2,949 feet) long.
- Street is 22 feet wide, total width of the City right of way is 38 feet.
- Composite pavement is an average of 8 inches thick with brick gutters and sidewalks
- Pavement Condition Index score from survey: Poor/Very Poor
- Repaved in 2003, 1983 and 1961. Utilities installed in 1928 and have not been updated since.



# Bourbon St. – Typical Cross Section

Canal St. – Dumaine St.



# Bourbon St. – Underground Utility Conditions

## Canal St. – Dumaine St.

### Summary

- Underground Utilities were last replaced in 1928 by A.P. Boh & Son.
- **General Rule of Thumb:** Replacement of the underground utility line is recommended if you have 2 or more point repairs on that line in a 12-month period.

### Drainage

- Drain lines vary in size between 8 and 30 inches, average of 12 inches. Current minimum standard is 15 inches.
- Full drain line replacement required in all 8 blocks based on damage identified, undersized drainage lines and significant damages.

### Water and Sewer

- 12 inch water line and 8-12 inch sewer line with a history of leaks.



# Bourbon St. – Drainage Deficiencies - Riverside

## Canal St. – Dumaine St.

- 9 sections of damaged drain line requiring drain line point repairs
- 4 sections of drain line that have completely collapsed or are blocked requiring full replacement



Undersized drain line between Toulouse and St. Peter streets.



Debris filled, broken drain line between Orleans Ave. and St. Ann St.



Fragments of a broken and undersized drain line between Iberville and Bienville streets.

# Bourbon St. – Drainage Deficiencies - Lakeside

## Canal St. – Dumaine St.

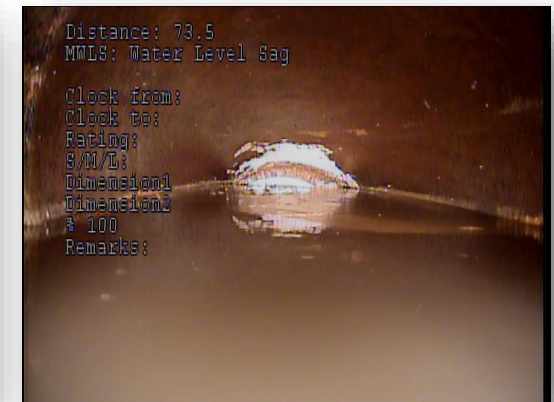
- 13 sections of damaged drain line requiring drain line point repairs
- 4 sections of drain line have completely collapsed and are blocked requiring full replacement



Cracked and damaged drain line between Canal and Iberville streets.



Crushed and deformed drain line between Conti and St. Louis streets.



Blocked and undersized drain line between St. Peter St. and Orleans Ave.

- Replacement and upsizing of the existing drain lines will eliminate standing water and odors, reduce the risk of flooding, protect other underground utilities and the pavement from additional damage and subsidence due to drain line leaks/failure



# Bourbon St. – Water Line Deficiencies

## Canal St. – Dumaine St.

- The water lines running underneath Bourbon Street are in Poor condition.
- Average of *two* water line leaks per block of Bourbon St. is repaired each year ( 92 reported leaks repaired in the 8 blocks of Bourbon in the last 10 years)
- Water lines are located relatively close to the drain lines and the street surface so that any work on the drain lines and/or pavement will likely cause further deterioration and additional water leaks.
- Replacement of the existing water lines and service connections will reduce water leaks and loss of service to businesses, and protect other underground utilities and the street from damage due to water line leaks



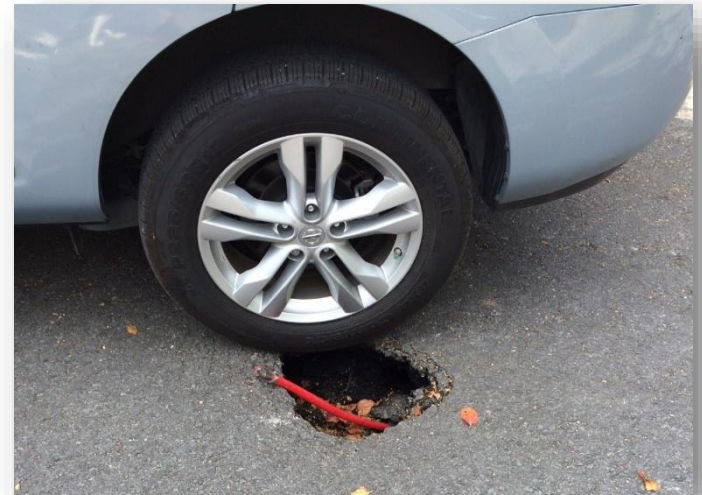
Water line leaks disrupt service to up to several hundreds of people and businesses depending on the location of the nearest shut off valve causing economic losses.



# Bourbon St. –Sewer Line Deficiencies

## Canal St. – Dumaine St.

- The sewer line running underneath Bourbon Street is buried deeper than the drain lines and water lines and is in Fair condition.
- Average of *two* sewer line leaks in this 8-block stretch of Bourbon St. are repaired each year
- A total of 7 point repairs required (an average of almost one per block). The lining of this utility line (in lieu of full replacement) is required, at a minimum, to reinforce this pipe after the point repairs are made.
- Repair and lining of the existing sewer lines and service connections will meet SWB sewer system consent decree requirements, reduce sewer leaks and loss of service to businesses, and protect other underground utilities and the street pavement from damage due to sewer line leaks.



Damaged sewer lines may manifest as low spots in the roadway and also full pavement failures.



# **French Quarter Infrastructure Improvement Program (Summary of Planned Street Work)**

## **Bourbon Street Major Repairs (Canal – Dumaine)**

- Remove and replace the existing pavement
- Replace and upsize the existing drain lines
- Replace the existing water lines
- Repair the existing sewer lines
- Replacement of existing low pressure gas lines with high pressure gas lines (Entergy)
- Replacement/repair of existing underground electrical conduit (Entergy)

## **Repaving and Gutter Bottom Repairs**

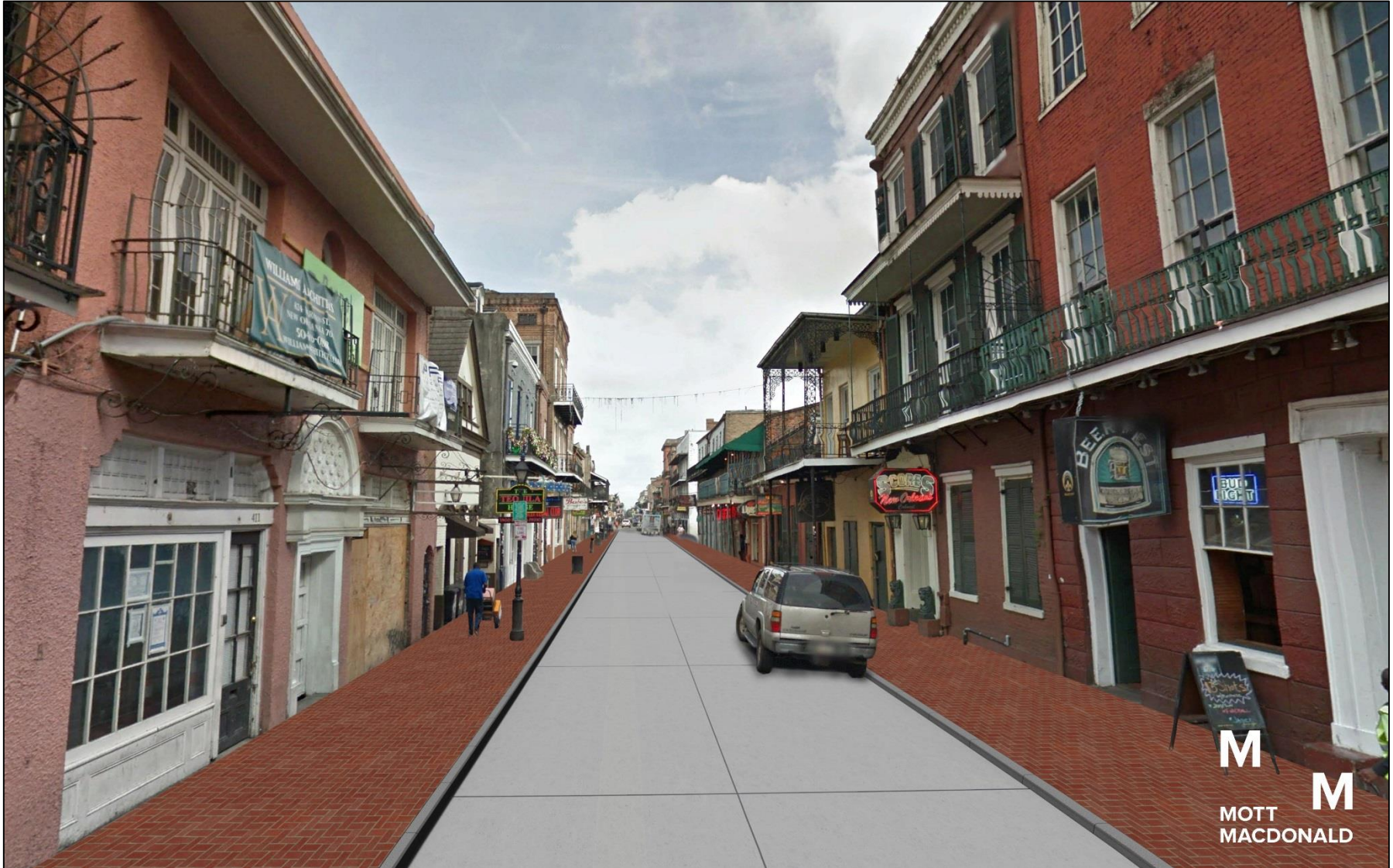
- St. Ann St. (Burgundy – Chartres)
- St. Peters St. (Bourbon – Chartres)
- Madison St. (Chartres – Decatur)
- Chartres St. (Toulouse – St. Peter and St. Ann – Dumaine)
- Conti St. (Bourbon – Chartres)

## **Iberville Patching and Repairs**

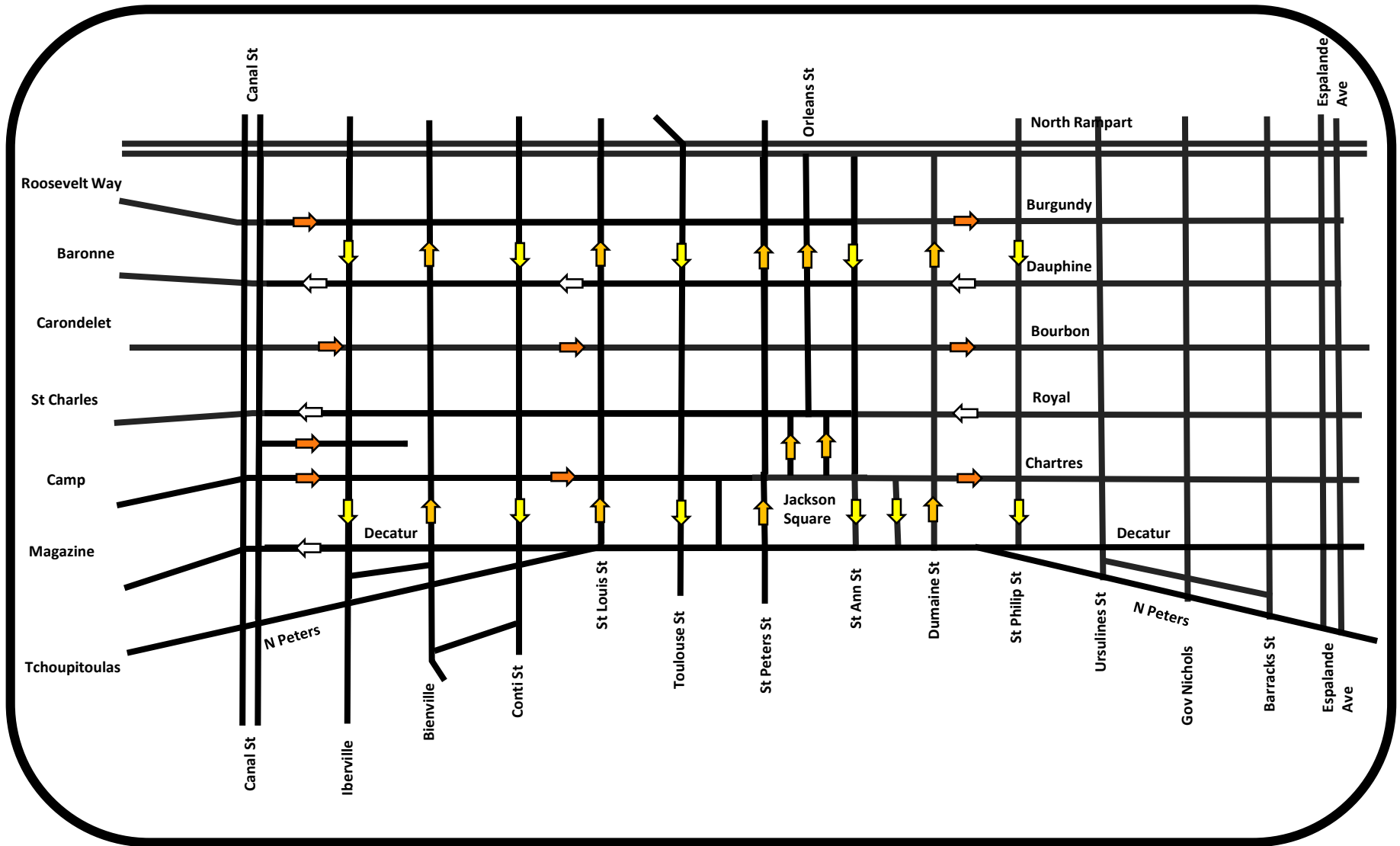
- Replacement of concrete white topping at 7 intersections with full-depth concrete pavement



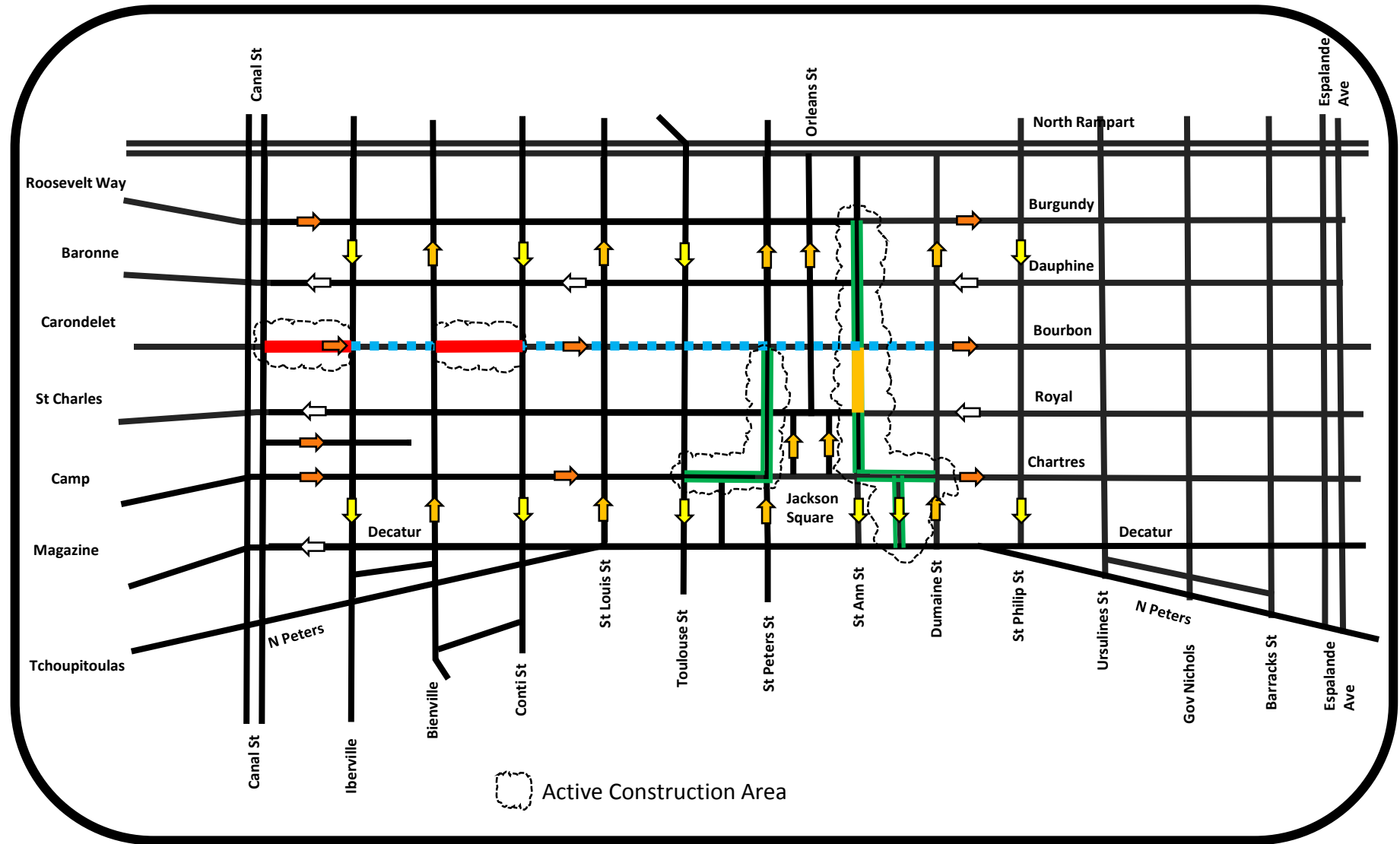
# Bourbon St Conceptual Drawing – Mid-Block



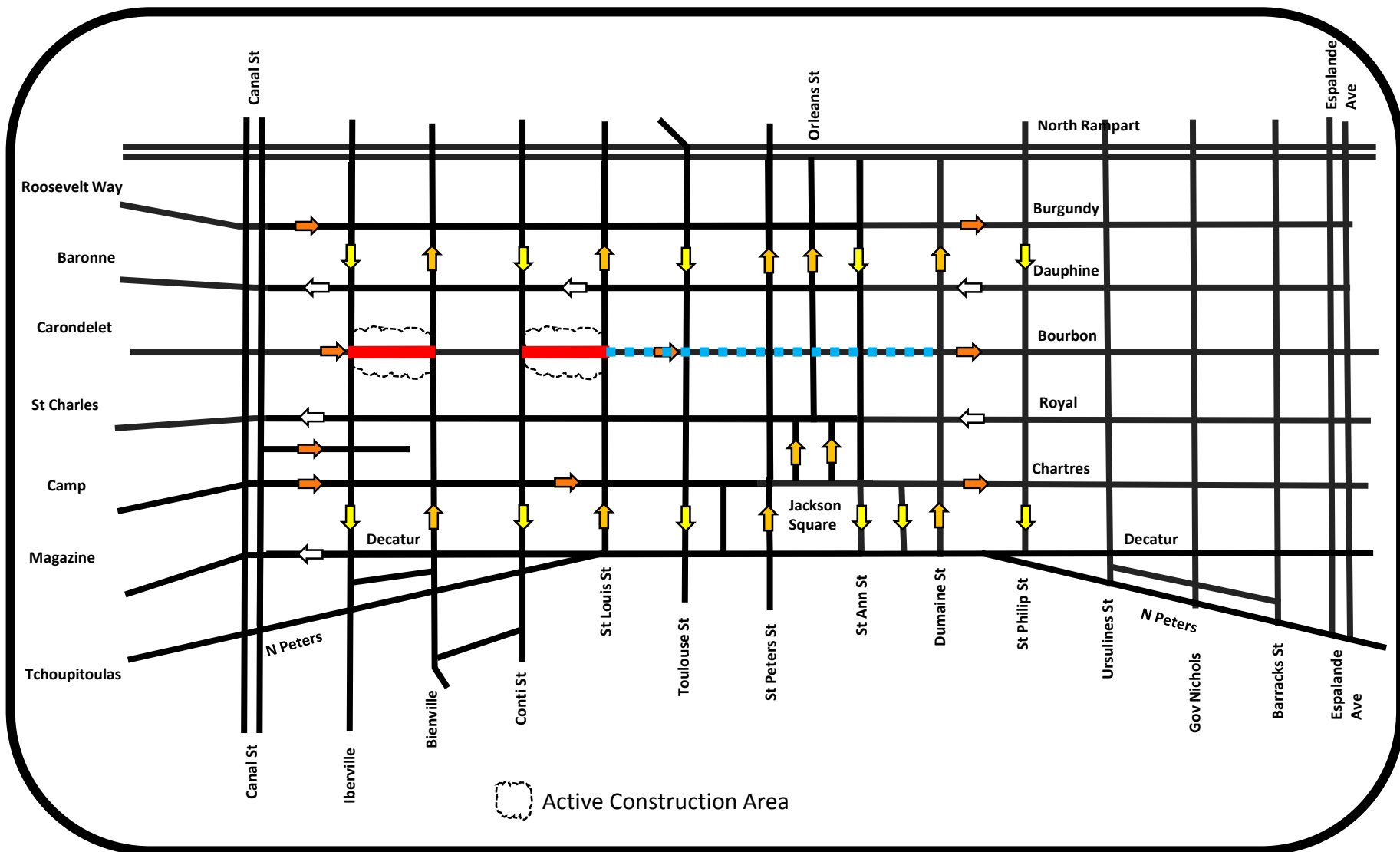
# French Quarter Infrastructure Improvement Program (Overview)



# French Quarter Infrastructure Improvement Program (24 Apr – 29 Jun)



# French Quarter Infrastructure Improvement Program (5 Jul – 29 Aug)

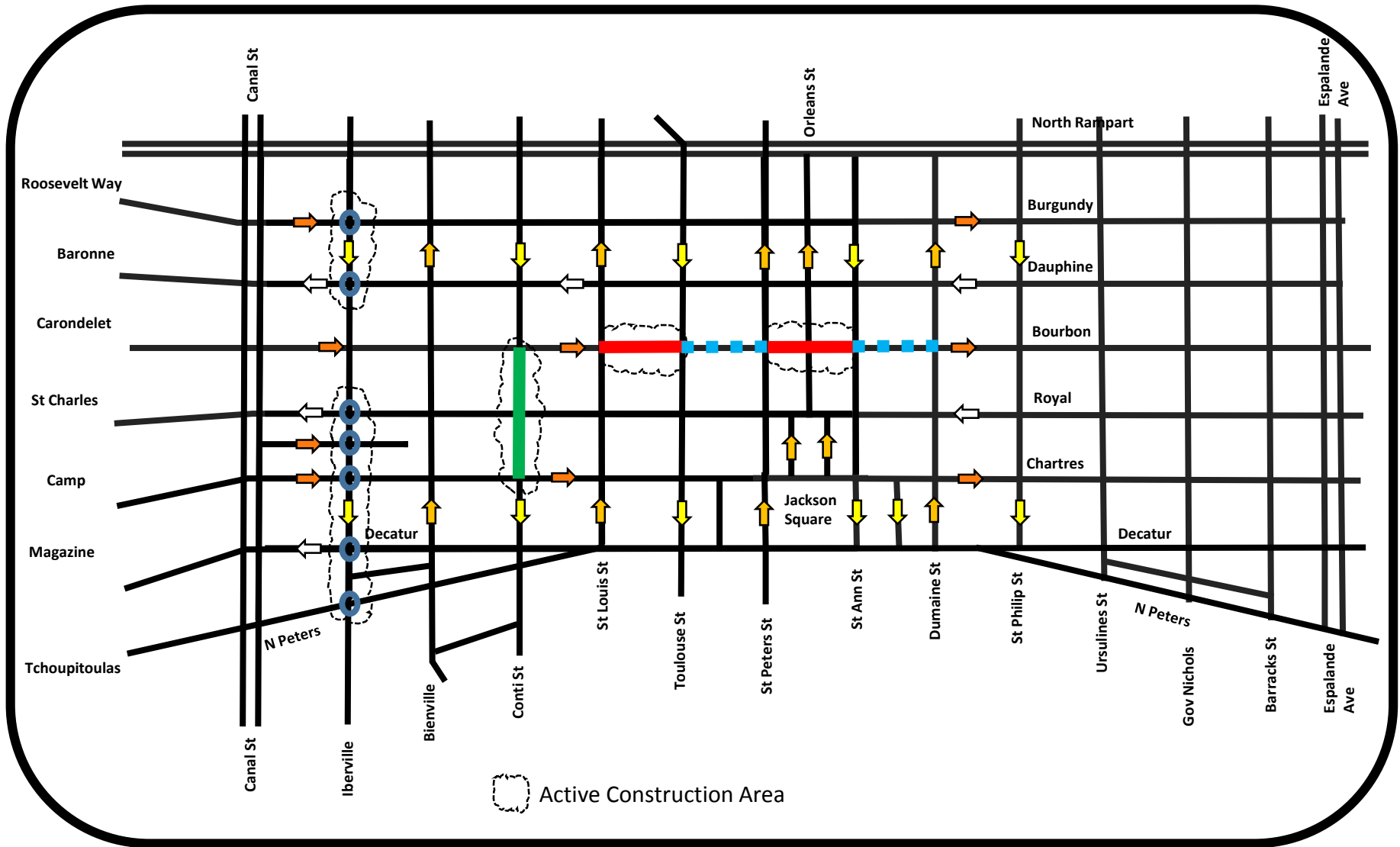


Full Reconstruction (60 days)

Preparatory Work (Possible trenching and excavation, but no full street closure)



# French Quarter Infrastructure Improvement Program (5 Sep – 26 Oct)

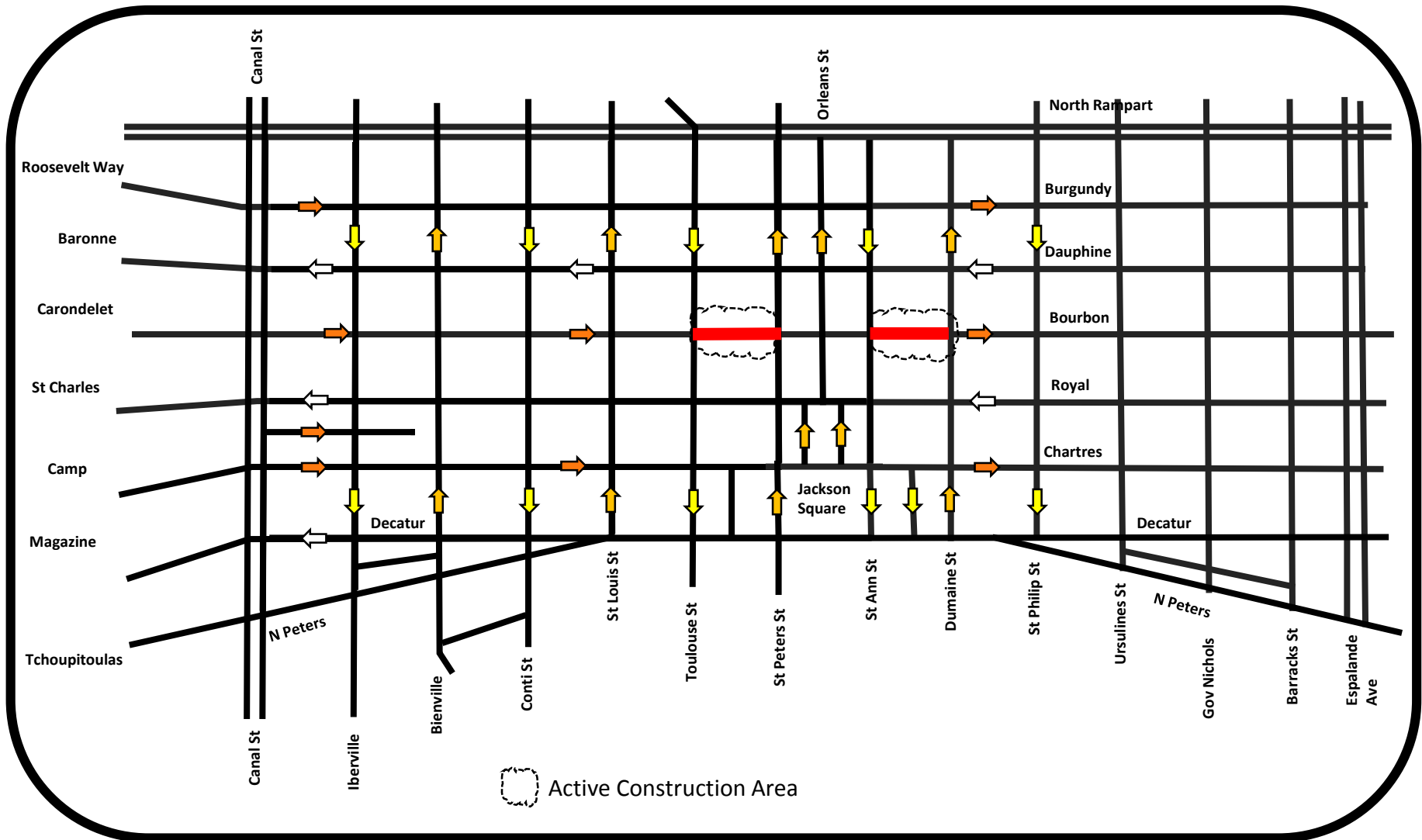


- Full Reconstruction (60 days)**
- Pavement Patching at Intersections (<30 days)**
- Pavement Patching and Resurfacing (<30 days)**
- Preparatory Work (Possible trenching and excavation, but no full street closure)**



# French Quarter Infrastructure Improvement Program

(1 – 22 Nov, 27 Nov – 15 Dec)

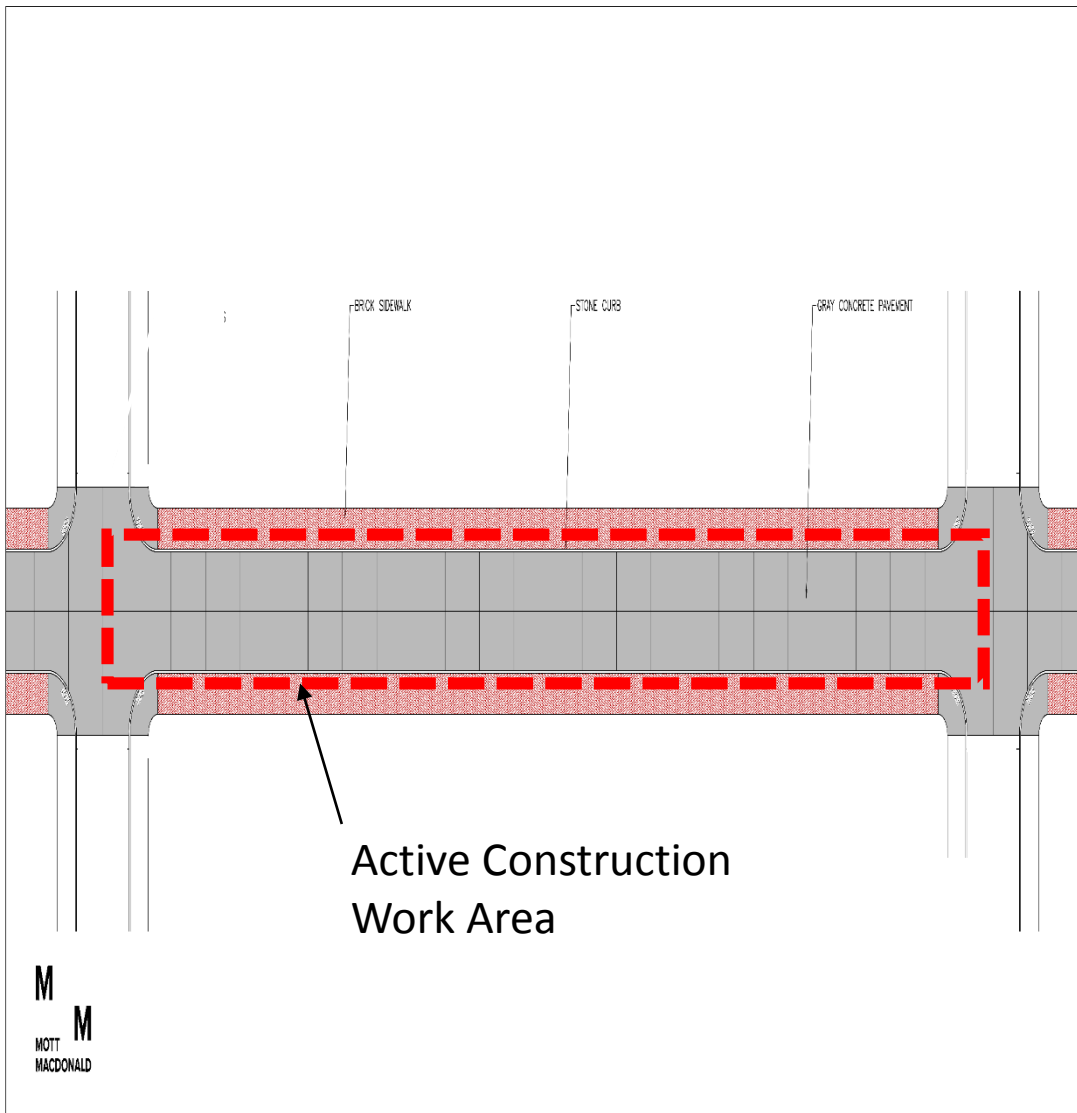


Full Reconstruction (60 days)



# French Quarter Infrastructure Improvement Program

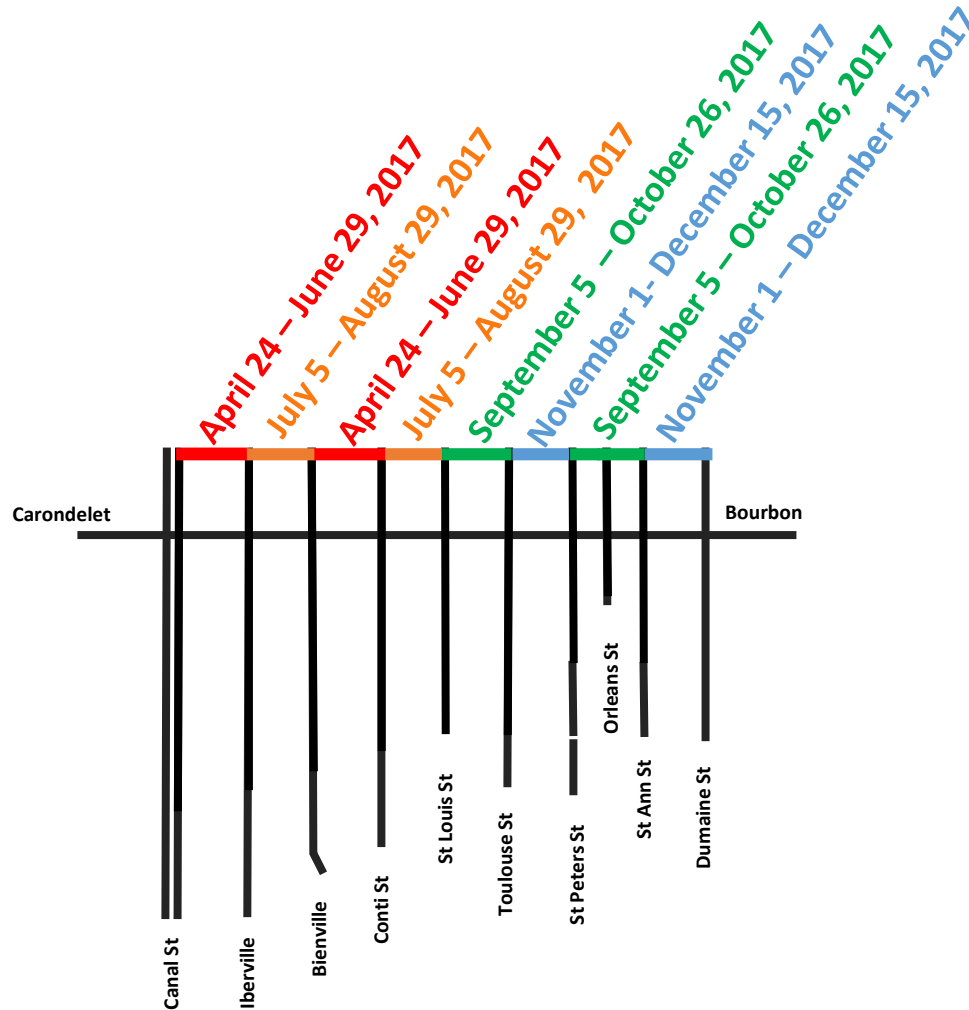
## General Sequence of Construction (Typical Block)



1. Mobilize
2. Sewer main point repairs
3. Sewer main lining
4. Street pavement demo
5. Install HP gas main
6. Install main drain lines and connect private drain lines to system
7. Excavate sidewalk and connect private drain lines to system
8. Install sewer and gas service connections
9. Install water main
10. Install water service connections
11. Sidewalk and ADA curb ramp installation
12. Install drainage catch basins/inlets and connect to main drainage lines
13. Inspect Entergy electric duct banks, Cox, and AT&T lines and repair as required
14. Backfill and pave street
15. Demobilize



# Bourbon St. – Construction Sequencing



- Extended work hours (8 a.m. to sunset, 6-days per week)
- Sunday work is likely when inclement weather prevents work the previous week
- No vehicular traffic on blocks under construction and limited pedestrian traffic
- Restricted parking on side streets
- Simultaneous crews working one block at a time, with one block open in between
- Maximum per block closure is approx. 60-75 days
- Additional work may occur in parking lanes and sidewalk areas on other blocks outside of the construction sequence (would not require a full closure)
- Construction start – April 24, 2017



# What to Expect During Construction

## Temporary construction impacts

- Construction equipment
  - Limited parking availability
  - Limited access to businesses
  - Sounds
  - Dust
  - Continuous vibration monitoring
- 
- Efforts to minimize construction impacts
  - Construction signage / fencing placed around the sites.
  - Any road closures will be communicated in advance.
  - Any changes to US Postal services will be communicated in advance.
  - Temporary changes to garbage service



# What to Expect During Construction

## Fencing

- Bourbon St. construction site will be screened for public safety and to minimize disruptions



## Parking / Garbage

- Restricted parking on side streets between Royal and Dauphine Streets
- Temporary garbage corrals will be designated with affixed signs and roadway markings



# What to Expect During Construction

## Parking restrictions/garbage pick up

- Residents and business owners should work with their respective garbage service providers to coordinate pick up on side streets
- Garbage service will occur only from **4 – 8 a.m.** and **5 – 7 p.m.** (when service is offered by vendors)
- Garbage carts and bins should be labeled with “owner” addresses
- Washing out garbage bins in public right of way is prohibited by City Code, expect appropriate enforcement now and following construction

## Deliveries

- Residents and business owners should work with their respective vendors to coordinate deliveries to begin after 8 a.m.
- Plan to use side street access points



# French Quarter Events – April/May 2017

## *Coordinating with permitted festivals and events*

### April

- 15 – Crescent City Classic
- 16 – Easter Parade
- 24-30 – Zurich Classic
- 28-30 – Jazz & Heritage Festival

### May

- 4-7 – Jazz & Heritage Festival
- 17-21 – Bayou Boogaloo
- 25-28 – New Orleans Wine and Food Experience
- 26-28 – Bayou Country Superfest
- 26-29 – Memorial Day Weekend



# French Quarter Events – June / July 2017

## *Coordinating with permitted festivals and events*

### June

- 3-4 – New Orleans Oyster Festival
- 9-11 – New Orleans Pride
- 10-11 – French Market Creole Tomato Festival
- 24-25 – Louisiana Cajun Zydeco Festival
- 30-July 3 – ESSENCE Festival

### July

- 1-3 – ESSENCE Festival
- 4 – Independence Day French Quarter Fireworks
- TBA – French Film Festival
- 7-9 – San Fermin en Nueva Orleans
- 14 – Bastille Day Fete
- 18-23 – Tales of the Cocktail
- TBA – Festigals



# French Quarter Events – August 2017

*Coordinating with permitted festivals and events*

- 1-31 – COOLinary New Orleans
- 1-31 – Museum Month
- 3-6 – Satchmo SummerFest
- 5 – Whitney White Linen Night
- 12 – Red Dress Run
- 13 – Dirty Linen Night
- TBA – NOLA Downtown Music and Arts Festival
- 30- September 4 – Southern Decadence



# French Quarter Events – September 2017

*Coordinating with permitted festivals and events*

1-4 – Southern Decadence

1-4 – Labor Day Weekend

TBA – Louisiana Seafood Festival

TBA – Restaurant Week New Orleans

TBA – New Orleans Burlesque Festival

TBA – NOLA on Tap

TBA – Fried Chicken Festival



# French Quarter Events – October / November 2017

## *Coordinating with permitted festivals and events*

### October

- TBA – Treme Fall Fest
- TBA – Beignet Festival
- TBA – Oktoberfest
- TBA – New Orleans Film Festival
- TBA – Crescent City Blues & BBQ Festival
- TBA – Praise Fest
- 14 – Carnival Latino
- 21 – Krewe of Boo Halloween Parade
- 21 - Mac n Cheese Fest
- TBA – Oak Street Po-Boy Festival
- 27-29 – Voodoo Music + Arts Experience

### November

- 4-6 – National WWII Museum Airpower Expo
- TBA – Mirliton Festival
- TBA – Faux/Real Festival
- TBA – Boudin, Bourbon & Beer
- TBA – Treme Creole Gumbo Festival
- TBA – Words and Music Festival
- TBA – Algiers Folk Art Festival
- 23 – Bayou Classic



# Next Steps

- Exterior pre-construction video and photography begins week of April 17, 2017. Interior photography is optional, but recommended.
- Begin construction (April 24, 2017)
- Bi-weekly in-person progress meetings
  - 2<sup>nd</sup> and 4<sup>th</sup> Tuesdays of each month at 10 a.m., for the residents/property owners on blocks currently in construction (Location TBD)
- Complete construction (December 2017)



# Keeping You Informed Roadwork.nola.gov/Bourbon

The screenshot shows the Roadwork.nola.gov website. At the top, there's a navigation bar with the City of New Orleans logo and the 'ROADWORK' title. Below this is a search bar with the placeholder text 'Get Started Here! Enter an address to get block-to-block details on construction projects'. A callout points to the search bar with the text 'Enter your address here'. To the left of the map is a 'Show Layer' panel with options for 'Pavement Condition', 'Planned Road Construction', and 'Roads Under Construction Now'. A callout points to this panel with the text 'Choose to view pavement condition, planned work or roads under construction now'. The map itself shows various colored overlays representing different types of roadwork. A callout points to the map with the text 'Tell us what you think of the site or download the data'. Below the map is a detailed view of a specific block, the '6800 block of Vicksburg St'. This view includes a 'Pavement Condition' section showing 'Failure', a 'Work Status' section with project details (Project ID: RR3, Project Name: Lakeview North Group F (FRQ), Start: Jul-Sep 2021, End: Jul-Sep 2022), and a 'Street Repair Work' section with Project ID: RR08B, Repair Type: Full Reconstruction, and Status: Planned. There is also a 'Water, Sewer, and/or Drainage Work' section with Work Type: Drainage Line, Sewer Line, and Water Line Replacement, and Status: Planned. A callout points to this detailed view with the text 'Get block-by-block information about the work schedule, type of repairs and what to expect during construction'. On the right side of the screenshot, there is a white box with the text 'CHECK OUT THE NEW FEATURES!' followed by a list of features: 'mobile-friendly', 'clean design', 'improved functionality', and 'enhanced content'. Below this list is the website URL 'roadwork.nola.gov'.

**ROADWORK** CITY OF NEW ORLEANS  
ROADWORK.NOLA.GOV

**CHECK OUT THE NEW FEATURES!**

- ✓ mobile-friendly
- ✓ clean design
- ✓ improved functionality
- ✓ enhanced content

**roadwork.nola.gov**

**6800 block of Vicksburg St**  
From Chalmette St to Mouton St in Lakeview C

**Pavement Condition**  
Failure

**Work Status**

Project	Project ID	Repair Type	Status
RR3 - Lakeview North Group F (FRQ)	RR08B	Full Reconstruction	Planned

**Schedule**  
Start: Jul-Sep 2021  
End: Jul-Sep 2022

**Water, Sewer, and/or Drainage Work**

Work Type	Status
Drainage Line, Sewer Line, and Water Line Replacement	Planned

PLEASE NOTE: The content provided on roadwork.nola.gov is subject to change pending unforeseen site conditions, weather delays, constructability issues, etc.



# Stay Connected With Us



Construction Hotline: 504.658.ROAD (7623)

Construction E-mail: [roadwork@nola.gov](mailto:roadwork@nola.gov)



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We have also joined Next Door!

