



Blue & Green Corridors Stormwater Resilience Project

Design Review Committee Meeting



CITY OF NEW ORLEANS
NORM L. CANTELL



Blue & Green
Corridors

GENTILLY
Resilience
DISTRICT

Great News!

- We are almost there!
- Project was envisioned by the City in 2015
- Design started in 2018
- Collaboration with residents has been ongoing since Summer 2018
- Construction anticipated to start January 2021



Public Engagement

How the community helped shape the project

Outreach connections:

- Community Leaders Forum, Design Workshop, Gentilly Fest, Dillard Health Fair, Adopt a Rain Garden, Open House, Community and Faith Meetings, Door-to-Door Outreach, Signage, Mailers, Activity Book

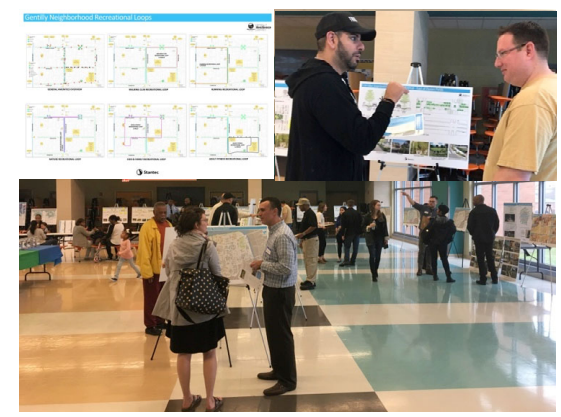
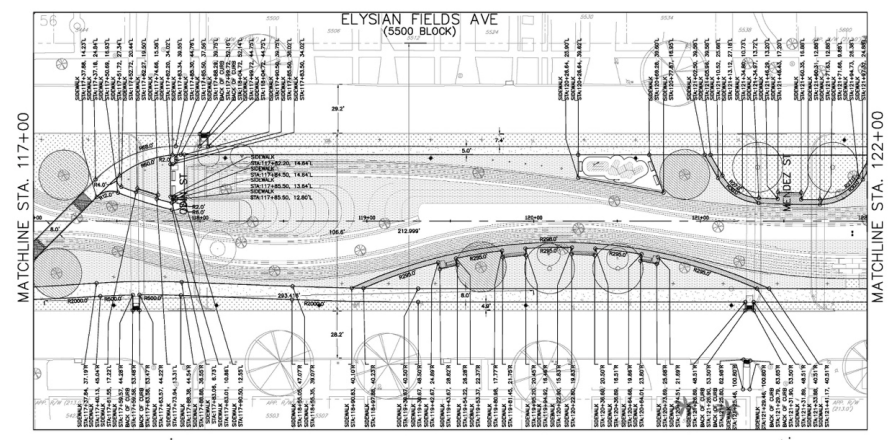
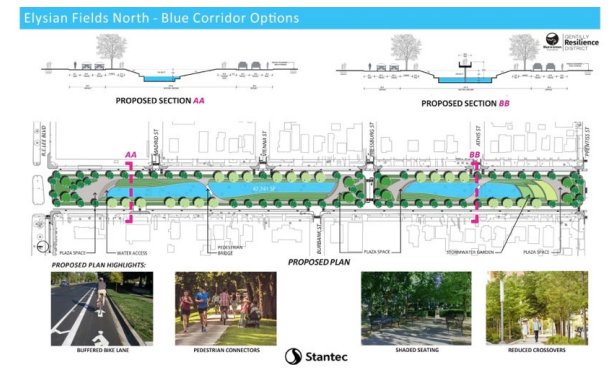
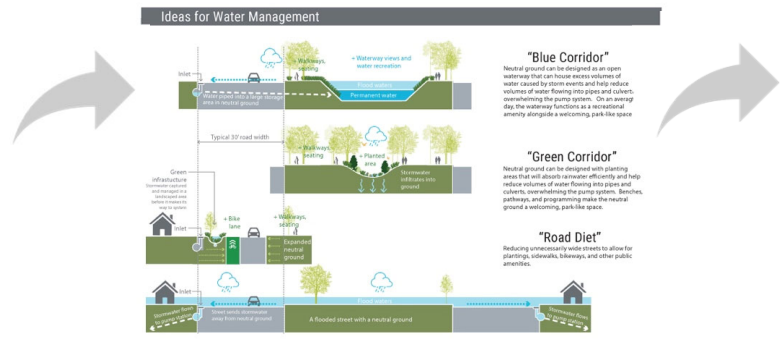
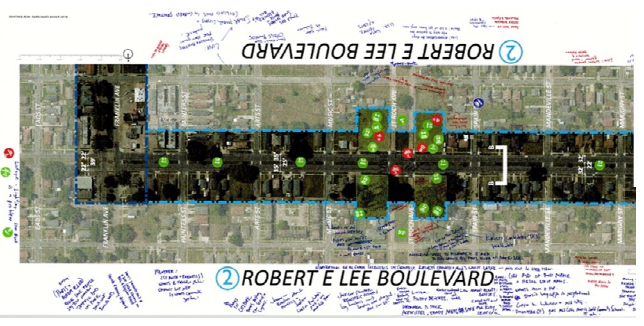


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How we have progressed



Public Engagement

What We Heard

Liked

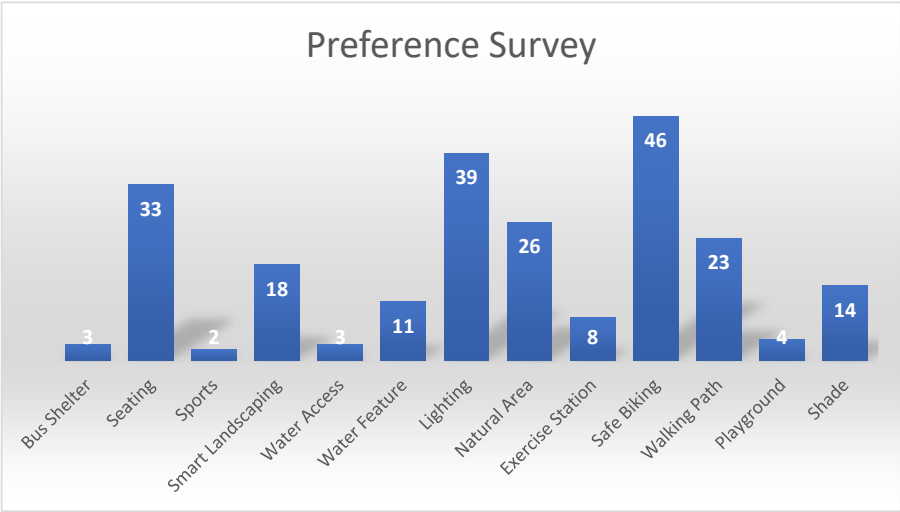
1. Seating

2. Landscaping

3. Lighting
4. Safe Biking

5. Walking Path

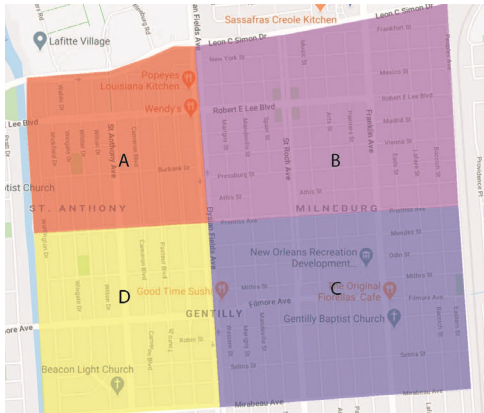
6. Natural Areas



Reaching Out During a Pandemic

Direct Mailing Project Information

Educational Activity Book



PROJECT OVERVIEW

The Blue & Green Corridors is located in Gentilly between Bayou St. John and Ponchartrain Park. The additional uses envisioned for the neutral grounds and streetscape include multimodal transportation connections, canals for rainfall storage, green infrastructure, and public meeting spaces.

Stats

Area
Gentilly north of Mirabeau Avenue and south of Robert E. Lee Boulevard

Area
9 miles of city streets

Budget
\$25.0m National Disaster Resilience (NDR) Funding

Project Lead
Stantec Consulting

Location



Benefits



WORD SEARCH

Find the following words in the puzzle

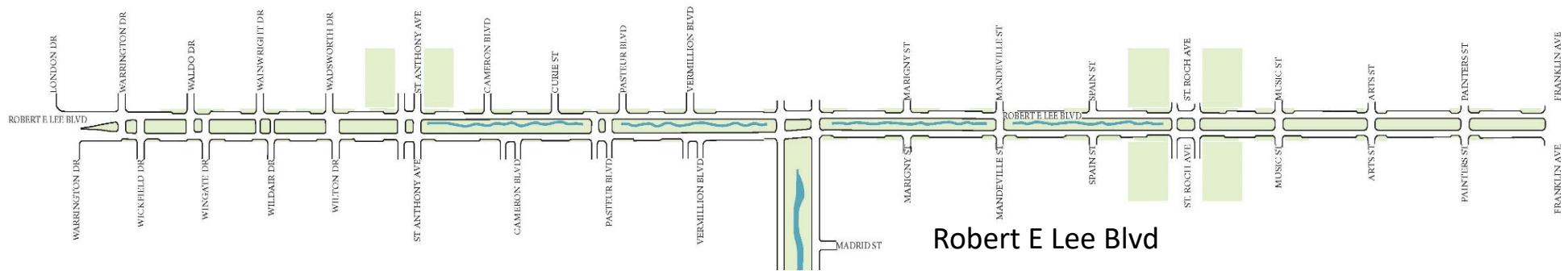
Blue
Circulation
Corridors
Elysian Fields
Filmore
Flooding
Green
Mitigation
Neutral Ground
Park
Rain Garden
Recreation
Resiliency
Stormwater

GREENBNFSDMQNVCSSEMRLETTTFNLCORCCLISUENOLCEEGOIYTTTETSCKOPSVVRRSIOXRIFLOAXNRRRCIGRCALIUDHGMAIUAAAMSLILPIKEMIDLNTWSGEMANXRFNDAFIAURNORGWUJGRATIOHOCRKZYTKA SIENEOUYELJKMYRKOLMRXNLYCTEXBDANDDKUDA EKOFTKEAJSEZRECREATIONKIFFKEZPHCANCLK

Informative Signage

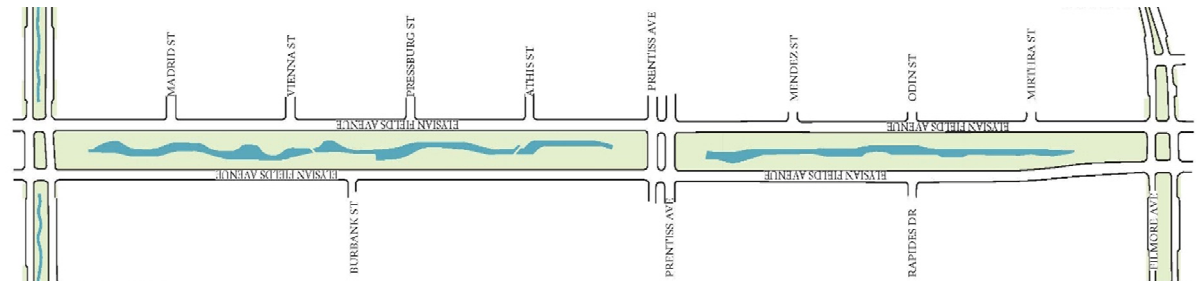


Blue & Green Corridors Phase 1



Elysian Fields Ave and Robert E Lee Blvd

- Stormwater Storage
- Stream in Robert E Lee
- Walking Paths
- Protected Bike Lanes
- Curb Bumpouts
- Playgrounds
- Adult Fitness



Elysian Fields Ave



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Goals

Water Goals

1. Address flooding
2. Promote infiltration and groundwater recharge

Public Health Goals

1. Provide access to parks
2. Provide recreation

Urban Heat Goals

1. Create shade
2. Reduce and monitor heat island effect

Cultural Goals

1. Create community destinations for neighborhood gatherings
2. Provide interactive educational opportunities

Economic Goals

1. Meet financial goals for funding
2. Drive economic growth through reinvestment
3. Reduce flood management risk



Existing Conditions

- Infrastructure needs addressing
- Stormwater pumping and low infiltration has led to high subsidence rates
- Entire neighborhood drains to Drainage Pump Station (DPS) #4
- Community experiences frequent flooding



Images Courtesy of ISeeChange



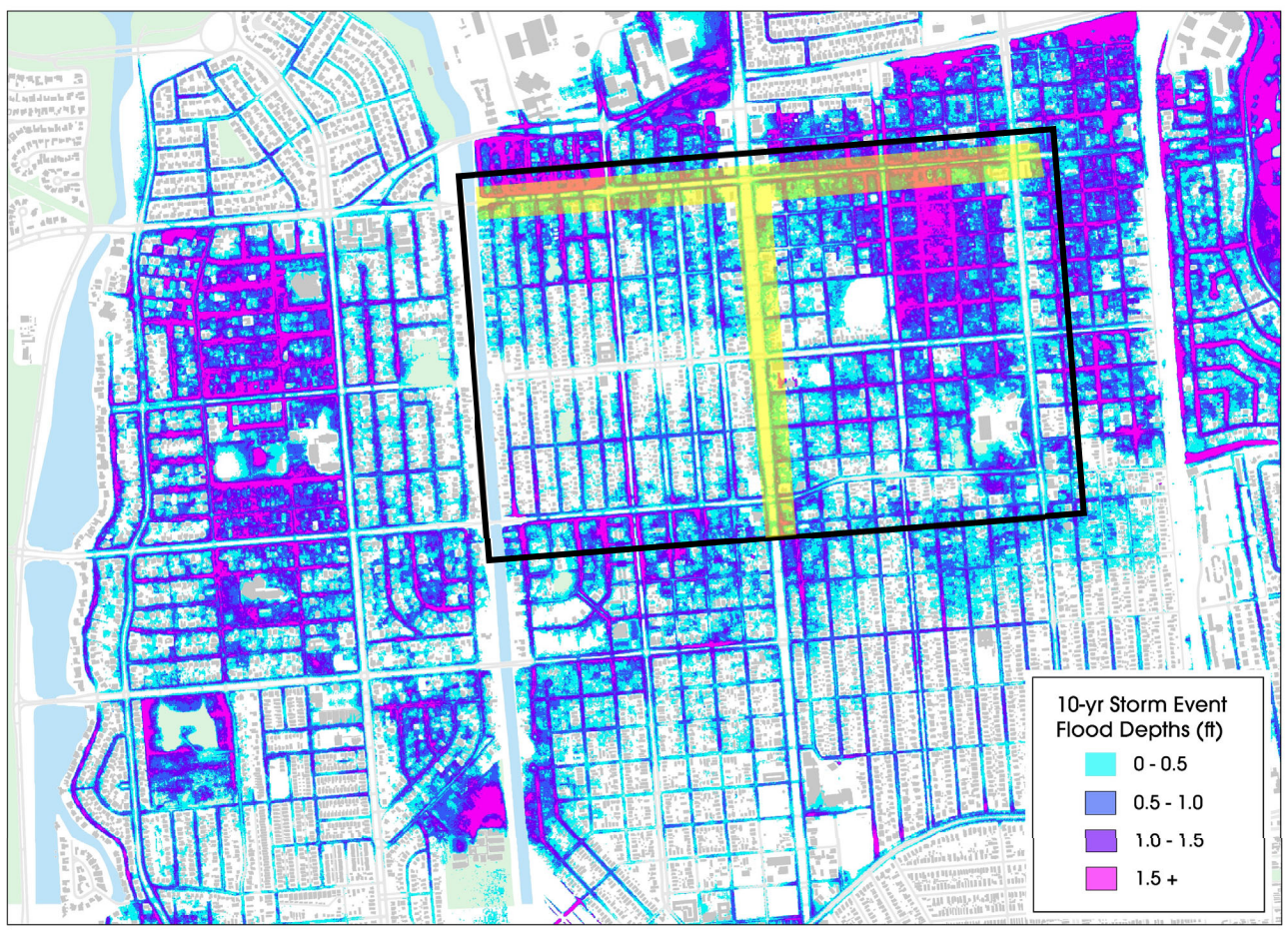
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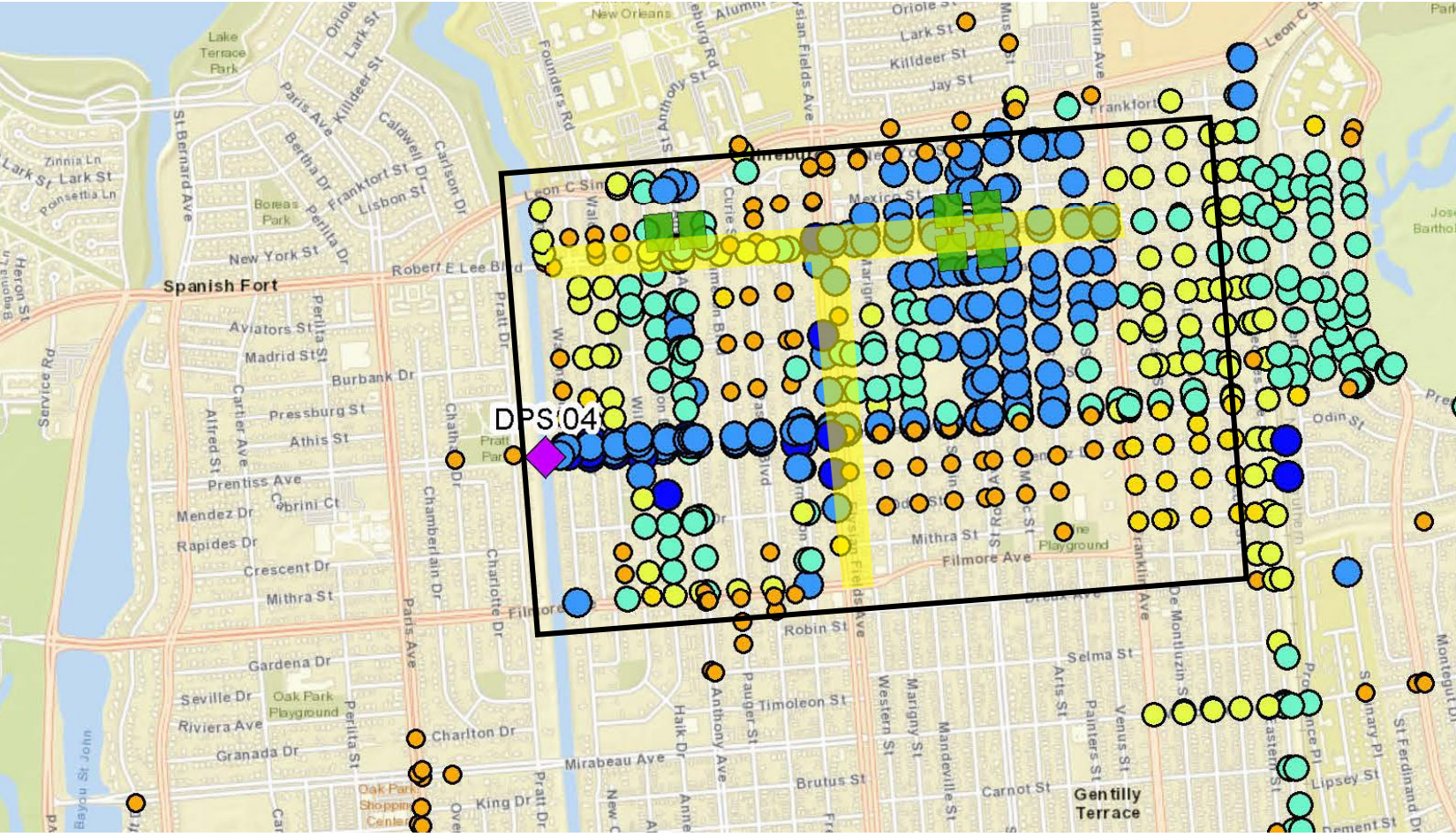
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Existing Flooding

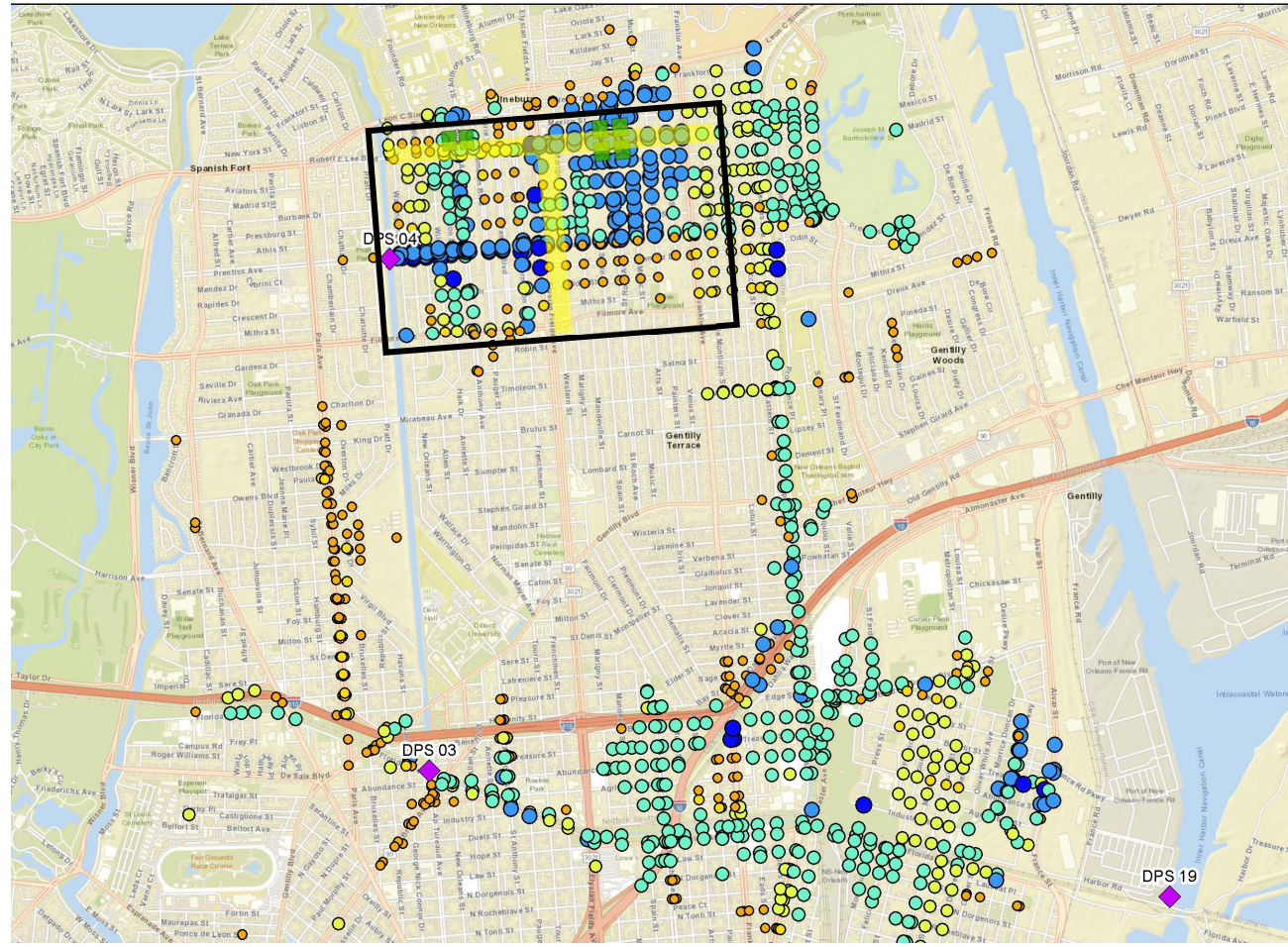


Flood Reduction



- Flood Reduction**
- 2' to 6"
 - 2.5" to 1.25"
 - .75" to .25"

Larger System Impact



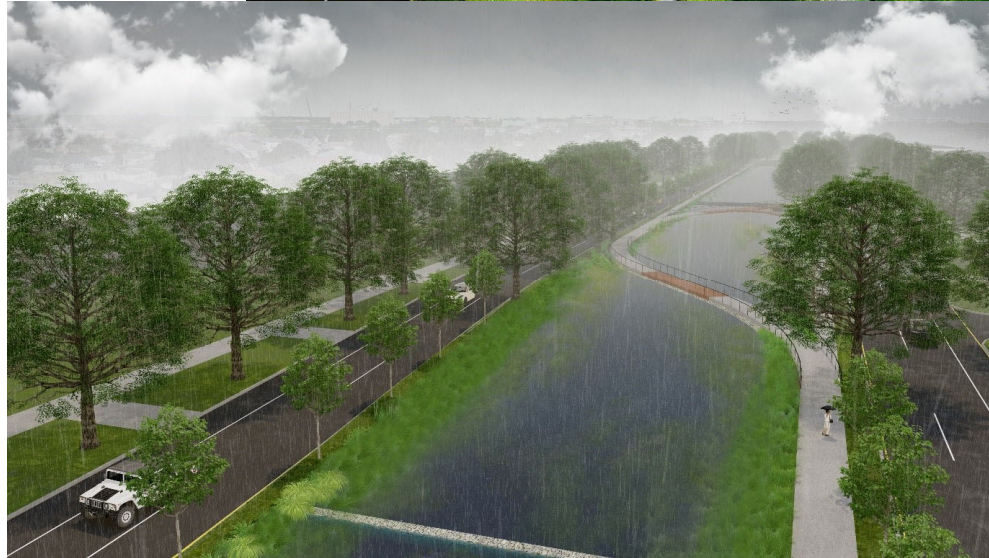
- Flood Reduction**
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Flood Reduction

Stormwater Storage

Neutral grounds designed to reduce flooding on roads and houses

Pumps move water to prevent nuisances



Rain Infiltration

Bumpouts:

- Provide water quality, promotes transpiration, and enhances the streetscape
- Provides shorter crossing distance for pedestrians, enhancing safety



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Healthy Active Destinations



1 Inverted Tree Thresholds with Planting (pending pricing)



2 Landscape Structures Chimes (all ages)



3 Kompan Medium Rope Tower (ages 5-12)



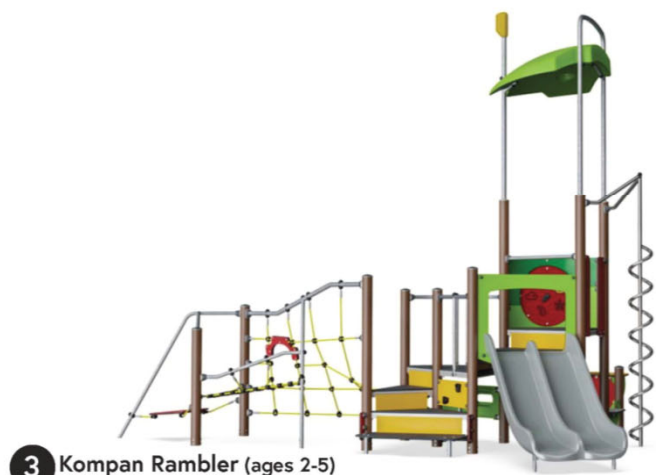
Healthy Active Destinations



1 Kompan Spinner Bowl (all ages)



2 Slide Hill (single slide, all ages)



3 Kompan Rambler (ages 2-5)



4 Log Play Sculptures (pending pricing)



5 Kompan Cubite (ages 5-12)



Healthy Active Destinations



1 Kompan Trendsetter (ages 2-5)



2 Kompan Double Balance Beam (all ages)



3 Kompan Aldebaran (ages 5-12)



Healthy Active Destinations

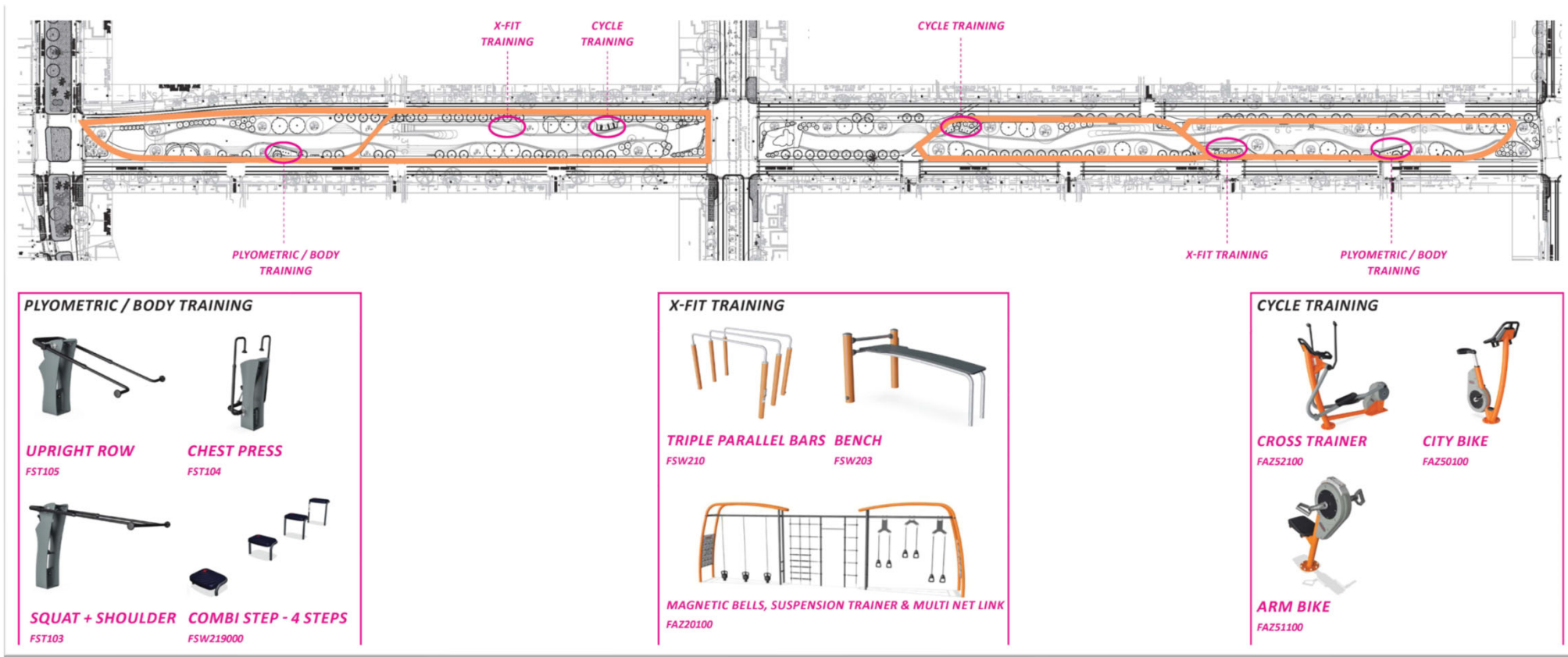


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Healthy Active Destinations



Protected Bike Lanes



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Recreational Paths



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Recreational Parks



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Water Access



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Open Spaces



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Benefit Cost Analysis

Greatest Benefits













- Property Value Increase
- Flood Damage Reduction
- Subsidence Reduction
- Recreation
- Water Quality

Costs

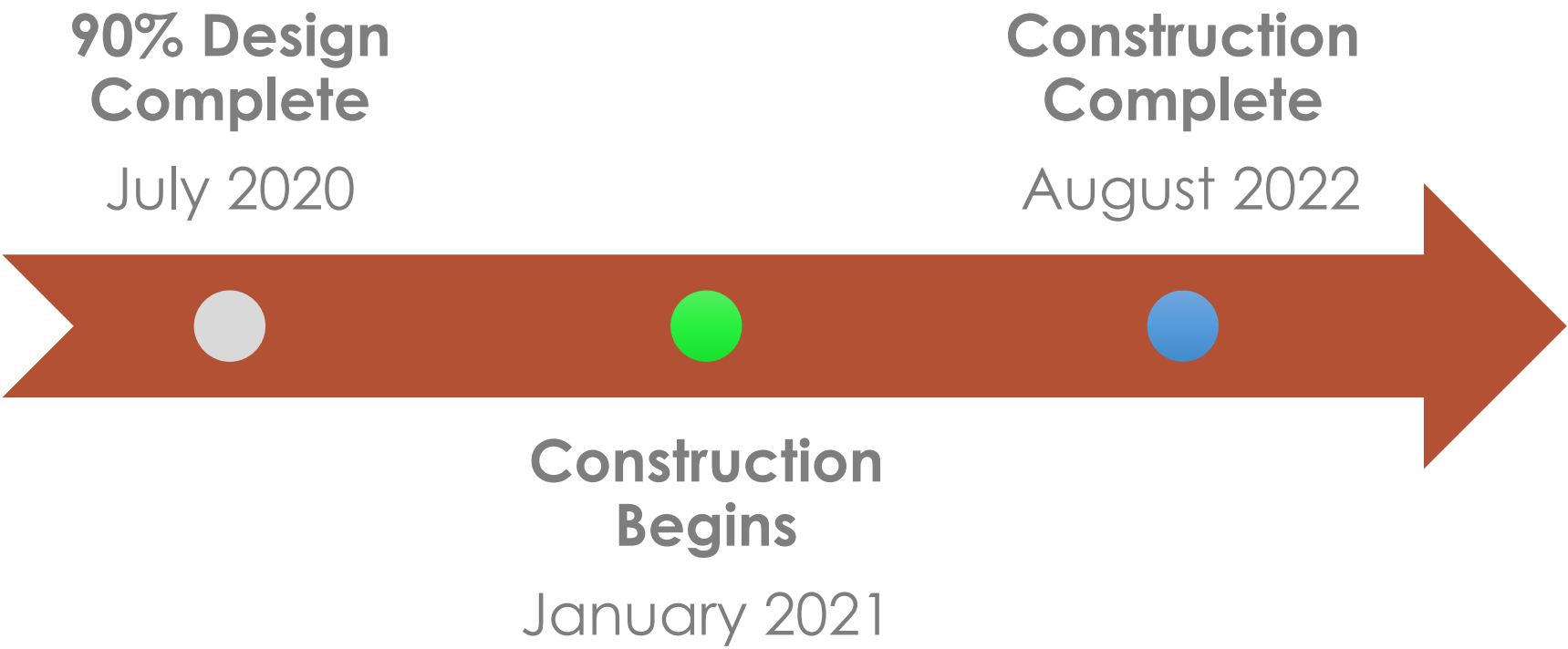
- Capital Expenditures
- Operations and Maintenance
- Replacement Costs

Triple Bottom Line (in NPV) = \$55.4M

Benefit Cost Ratio = 2.4

Benefit/Cost	Stakeholder	Benefit/Cost Type	Lifetime NPV
 Avoided Subsidence (Property)	Community	Social	\$31,571,000
 Avoided Flood Damage	Community	Social	\$27,832,000
 Avoided Subsidence (Road)	Community	Social	\$13,097,000
 Property Value Uplift	Community	Social	\$9,408,000
 Community Recreation	Community	Social	\$6,167,000
 Education	Community	Social	\$3,585,000
 Water Quality	Community	Environmental	\$1,431,000
 Carbon Sequestration	Community	Environmental	\$694,400
 Public Health (Exercise)	Community	Social	\$455,000
 Health - Heat Island	Community	Social	\$411,900
\$ Residual Value of Assets	Owner	Financial	\$387,500
 Public Health (Reduced Stress)	Community	Social	\$89,000
 Social Value Air Pollution	Community	Environmental	\$14,300
\$ Replacement Costs	Owner	Financial	-\$2,163,000
\$ Operations and Maintenance Costs	Owner	Financial	-\$3,751,000
\$ Upfront Capital Costs	Owner	Financial	-\$33,792,000

Schedule



Thank You!



For more information visit nola.gov/resilience

Please fill out our survey by texting "BlueGreen" to 677-873

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