

District 13: Final Recovery Projects

H3 Studio Planning Team
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Project Description Sheet # 01
(To be filled in by Citywide Team)

Project Name:	Provide Category 5 Hurricane & Flood Protection
Project Location:	Planning District 13
Area of Impact:	National/Statewide; Regional; Citywide; District-wide; Neighborhood
Recovery Value:	High Recovery
Sector:	Hurricane / Flood Protection
Project Description:	<p>Planning District 13 requires Category 5 flood protection and that this level of protection be achieved as soon as possible. This includes holistic approaches to wetlands restoration so that New Orleans and all of southeast Louisiana may be fully protected from tropical storm events.</p> <ul style="list-style-type: none">• Conduct an evaluative study of the Intracoastal Canal Pumping Station, located on the District 13 side of the Intracoastal Canal separating District 12 and District 13, to determine if an upgrade to the facilities' condition and capacity is warranted.• Complete a comprehensive study to evaluate the existing conditions, height, and stability of the levees along the Mississippi River, Intracoastal Canal, and the Donner Canal.• Investigate possible damage from marooned barges and other debris from Hurricane Katrina, particularly possible damage from the currently displaced barge between Highway 406 and Stanton Roads along Patterson Road.• Complete a detailed study of the drainage issues and complete improvements to rectify immediate drainage problems
Project Timeline:	within 2 years for study; over 5 years for Category 5 protection

Anticipated Outcomes: Category 5 flood protection for the City and the Region.

Project Description Sheet # 02
(To be filled in by Citywide Team)

Project Name:	Complete an Independent Third Party Study of Flood Risk within the District
Project Location:	Planning District 13
Area of Impact:	Regional; Citywide; District-wide; Neighborhood
Recovery Value:	High Recovery
Sector:	Hurricane / Flood Protection
Project Description:	<p>Complete a study by an independent third party as to the flood risk within the District.</p> <ul style="list-style-type: none">• Study shall consider topography, geological conditions and subsidence, natural resources, the Intracoastal Canal and other canals and drainage ditches, pumping stations and systems, localized flooding due to heavy rains and any other relevant conditions.• Study shall provide a geographical analysis of risk and the implications as to insurance and property values.• Work with Insurance Companies, Corp of Engineers, FEMA, Universities, and the City to develop this program.
Project Timeline:	within 2 years
Anticipated Outcomes:	Accurate verification or modification of current models of flood risk for the District will provide necessary information for residents of the District to base rebuilding decisions and for the insurance industry.

Project Description Sheet # 03
(To be filled in by Citywide Team)

Project Name:	Conduct a Detailed Ecological Study
Project Location:	Planning District 13
Area of Impact:	District-wide
Recovery Value:	High Recovery
Sector:	Hurricane / Flood Protection
Project Description:	<p>Conduct a study that will detail and map the ecologically sensitive areas within the District, paying particular attention to the identification of and boundary definition of wetlands and bottomland forest areas in relationship to existing private property; locating areas of high-quality habitats for bird and wildlife; and defining the role of these natural resources in hurricane and flood protection.</p> <p>District 13's natural resources are one of its most defining characteristics, and this recovery project is considered the most important to the community in the District as it looks toward future enhancement and continued preservation of its wetlands and bottomland hardwood forests.</p> <ul style="list-style-type: none">• Based upon the study, consider the possibility of creating a continuous loop of wetlands. Ecological areas are best preserved and strengthened when individual areas remain contiguous and linked to one another, forming a loop or ecological network which preserves bio-diversity and allows native species to move freely within the system. This project will act upon the information gained from the ecological study, in which wetland areas will be accurately identified, and their relationship to private properties clarified.• Investigate and record history of area and archeological sites.
Project Timeline:	within 2 years
Anticipated Outcomes:	This ecological study will provide the community with the precise information and tools necessary to take measures



toward future protection of its bottomland hardwood forests and wetlands and increased flood protection.

Project Description Sheet # 04
(To be filled in by Citywide Team)

Project Name:	Reinstate and Repair District-wide Basic Infrastructure & Public Works Services
Project Location:	Planning District 13
Area of Impact:	Citywide
Recovery Value:	High Recovery
Sector:	Hurricane / Flood / Environmental Protection; Public and Private Infrastructure and Utilities Recovery
Project Description:	<p>Develop public improvement plan and reinstate basic clean up of neighborhoods and restoration of basic infrastructure and day-to-day municipal services including:</p> <ul style="list-style-type: none">• Clean out all drainage ditches in District.• Remove all fallen trees from Katrina in District.• Ensure once-a-week removal of debris and hazardous substances.• Ensure twice a week garbage removal.• Replace all missing and damaged street signs in District. Ensure all addresses, street signs, and community services are visible.• Replace missing drain, manhole, catch basin and water meter covers.• Repair, restore and improve all underground utilities.
Project Timeline:	within 2 – 5 years
Anticipated Outcomes:	Reinstatement of basic services and infrastructure facilities will enable the safe and expedient return of the district's population.

Project Description Sheet # 05
(To be filled in by Citywide Team)

Project Name:	Hardening of Utility Service & Street Infrastructure Program
Project Location:	Planning District 13
Area of Impact:	Citywide
Recovery Value:	High Recovery
Sector:	Hurricane/Flood Protection; Public and Private Infrastructure and Utilities Recovery
Project Description:	Hardening of utility service and street infrastructure is critical to New Orleans' recovery and as preparation for a possible emergency event in the future.

Coordinate the design of a hardened utilities and street infrastructure program as follows:

- Construct a Safe House at the Intracoastal Canal Pumping Station.
- Repair and harden all flood protection infrastructure including pump station and support with alternative energy sources. Consider elevating pumps above flood level.
- At the same time of repairs and upgrades, create a comprehensive overhaul program to bury the power lines below grade. Add appropriate scaled and designed street lighting.
- Prioritization of this program should be District-wide in following order:
 1. Emergency evacuation routes, including Highway 406, Patterson, and Stanton Roads.
 2. Streets in need of repair lying in higher topographic zones, which include Willow Dr between Stanton and Delacroix Roads, and the eastern-most portion of Willow Dr beyond Delacroix.
 3. Streets of poor condition, which include Polk St, Van Buren St, Paul St, and Adam St south of Highway 406.

4. Streets of fair condition, which include Simm St, Rankin St, Oliver St, Bryson St, Adam St north of Highway 406, and Jack Wyman Rd.

- Study dangerous intersections and curves which can impede navigation and safe evacuation.

Project Timeline: within 5 years

Anticipated Outcomes: Increased public safety will result from a District-wide coordinated hardened underground utilities, safe house, and street infrastructure program. This coordinated process also would be efficient and cost effective.

Project Name:	Conduct a Study for Coordinated Emergency Service & Safe Haven Evacuation Center
Project Location:	Planning District 13
Area of Impact:	District-wide
Recovery Value:	High Recovery
Sector:	Hurricane / Flood Protection
Project Description:	Develop and implement a safe havens/evacuation program to ensure the safety and evacuation of all residents in times of emergency. The evacuation center should include a staging area, a boat launch and potentially a helicopter pad. Current Emergency Services do not exist in District 13.

The closest services are located in neighboring District 12, Jefferson, and Plaquemines Parishes. Such distance limits the District's ability to receive timely emergency response if necessary. Emergency services include a police and fire substation with emergency services.

• Conduct a study for coordinated emergency services sites and evacuation center to determine site location. Consider the following as three options:

1. In District 13, on high ground in the northwest corner of the district where the Intracoastal Canal meets the Mississippi River in the Riverside neighborhood. While not a centralized location, this area is on high ground in a low risk zone, with the benefit of Mississippi River access.
2. In District 13, at the intersection of English Turn Parkway and Stanton Road. While this location is centrally located in District 13, it is vulnerable since it is in a FEMA Risk Zone and therefore would have to be an elevated structure or on elevated ground.

3. In District 12, near the Schwegmann's area, across the Intracoastal Canal from District 13. Although this location is physically separated from District 13, its proximity is closer than current emergency capacities.

- Consider back-up alternative energy and water systems to power safe havens in the event of power grid and water/sewer system failure

Project Timeline: within 2 years

Anticipated Outcomes: Valuable access to emergency services capable of timely response at the district-level in the event of an emergency.

Project Description Sheet # 07
(To be filled in by Citywide Team)

Project Name: **Conduct a Study to Elevate Highway 406 in Low Topographic Zone**

Project Location: Planning District 13

Area of Impact: District-wide

Recovery Value: High Recovery

Sector: Hurricane / Flood Protection; Transportation Recovery

Project Description: **Conduct a study and confirm height to elevate the low-lying portion of Highway 406 as an elevated causeway to ensure adequate egress capability in times of weather-related emergency.**

Highway 406 leads to the primary entry and exit point for District 13, into District 12 via a bridge over the Intracoastal Canal. From the intersection with English Turn Parkway to its crossing of the parish boundary into Plaquemines Parish in the southwestern corner of the District, Highway 406 runs through a low topographic but High Risk Zone.

An existing planning proposal reconfigures the on- and off-ramp from the bridge spanning from General DeGaulle Avenue in District 12 across the Intracoastal Canal to Highway 406 in District 13. The potential elevation of the aforementioned section of Highway 406 should be coordinated with any ongoing redesign of the ramps.

Project Timeline: within 2 years

Anticipated Outcomes: The elevating of this portion of Woodland Highway will prevent flood inundation and the subsequent blocked egress route, thereby ensuring the safe egress of residents of District 13 if and when necessary.

Project Description Sheet # 08
(To be filled in by Citywide Team)

Project Name: **Extend English Turn Parkway from Stanton Road to Delacroix Road**

Project Location: Planning District 13

Area of Impact: District-wide

Recovery Value: Moderate Recovery

Sector: Hurricane / Flood Protection; Transportation Recovery

Project Description: **Extend English Turn Parkway to Delacroix to create a street network that facilitates emergency egress.**

English Turn Parkway runs from Woodland Highway through a low topographic zone and dead ends at Stanton Road. In times of emergency when the road must be used for egress, this function is limited due to the Parkway's lack of connectivity to other streets. Ensure that adjacent land and wetlands are not adversely affected by the project.

Project Timeline: within 2 years

Anticipated Outcomes: Connectivity of street network for District safety.

Project Description Sheet # 09
(To be filled in by Citywide Team)

Project Name:	Open Private Audubon Nature Institute & Coast Guard Entrance in Times of Emergency
Project Location:	Planning District 13
Area of Impact:	Neighborhood
Recovery Value:	High Recovery
Sector:	Hurricane / Flood Protection
Project Description:	<p>Negotiate an agreement with the Audubon Institute and the Coast Guard such that in times of emergency this entrance shall open to provide an alternate egress route out of District 13.</p> <p>Patterson Road runs along high ground in District 13 along the Mississippi River and levee, enters the private Audubon Institute & US Coast Guard property, and connects to River Road in Plaquemines Parish. Entrance to this property, at Wilderness Road and Patterson, at the Mississippi levee in the northeastern portion of the Audubon Institute, is currently is prohibited to the general public.</p>
Project Timeline:	within 2 years
Anticipated Outcomes:	District 13 will gain a second egress route on high ground in cases of emergency.

Project Description Sheet # **10**
(To be filled in by Citywide Team)

Project Name:	Develop and Implement a Voluntary Rain-Garden Program
Project Location:	Planning District 13
Area of Impact:	Citywide
Recovery Value:	High Recovery
Sector:	Hurricane/Flood Protection; Community Services Recovery; Public and Private Infrastructure and Utilities Recovery
Project Description:	<p>Develop and institute incentive program to facilitate the creation of a variety of types and scales of storm/flood water retention and mitigation areas. Study the potential for existing and new public and private open spaces to be used as water retention and mitigation spaces and strategies. The program will cover the entirety of the District; however, additional higher incentives need to be provided in high and moderate risk zones.</p> <p>Programs to include the following strategies:</p> <ul style="list-style-type: none">• Complete study of all existing and proposed parks as potential mitigation and retention.• Develop and fund a voluntary and incentive based “Home Rain-Garden Program” to install rain-garden catchment and retention systems supported by appropriate site design and landscape standards within individual properties.• Develop and fund and incentive-based “Streetscape Rain-Garden Program” to install local rain-garden catchment and retention systems within existing right-of-ways. Develop and advocate the necessary site design and landscape standards.• Complete study of plant species, methods of drainage and operations and management strategies to ensure storm / flood retention and mitigation areas are not mosquito breeding grounds.

- Work with Insurance Companies, Corp of Engineers, FEMA, Universities, and the City to develop and incentivize this program.

Project Timeline: develop program within 2 years; implementation within 2-10 years

Anticipated Outcomes: Increased localized retention and mitigation of storm and flood water, supplementing the larger-scale flood protection measures.

Project Description Sheet # 11
(To be filled in by Citywide Team)

Project Name:	Develop & Implement a Voluntary Incentive-based Hurricane & Flood Building Program
Project Location:	Planning District 13
Area of Impact:	Citywide
Recovery Value:	High Recovery
Sector:	Hurricane / Flood Protection; Housing Recovery
Project Description:	<p>Develop and implement a voluntary incentive-based hurricane and flood building program wherein:</p> <ul style="list-style-type: none">•In all risk zones of the District, every owner would be paid a set amount above the fixed cost (say 10%) for the additional cost of utilizing sustainable building methods and materials that are flood resilient, and build to the latest hurricane national building standards and techniques.•Incorporate “passive survivability” best practices into program.•Utilizing sustainable building techniques, flood resilient materials and adhering to hurricane national building standards will result in conscientious rebuilding with stronger ability to resist potential disasters.•This program will aid in environmentally responsible development for the District and the City.•Develop a technical assistance program with design guidelines for house relocation to relate with existing architectural context when moved.•Implement a review process.•Work with Insurance Companies, Corp of Engineers, FEMA, Universities, and the City to develop and incentivize this program.
Project Timeline:	within 2 years
Anticipated Outcomes:	Flood protection and reduction of property loss.

Project Description Sheet # 12
(To be filled in by Citywide Team)

Project Name:	Develop & Implement a Voluntary Incentive-Based Energy Efficiency & Sustainable Materials Program
Project Location:	Planning District 13
Area of Impact:	Citywide
Recovery Value:	Community Improvement
Sector:	Housing Recovery
Project Description:	<p>Develop and fund a voluntary incentive based Energy Efficient & Sustainable Materials Program wherein:</p> <ul style="list-style-type: none">•Encourage city and state government to adopt sustainable building (LEED) standards and green building materials and practices and support the creation of locally owned businesses to provide the needed services and products.•Provide information on financial assistance and Federal/State/Local tax incentives for purchasing energy-efficient products and technologies.•Contact suppliers of energy-efficient appliances and building materials to determine whether they will offer price discounts for bulk purchases. If so, District 13's specific needs—and possibly the needs of other parts of the City – to place bulk orders.•Determine which households are eligible for the Department of Energy's Weatherization Assistance Program, which pays for energy audits and efficiency improvements for low-income households. Link those households with weatherization providers.•Explore the use of these technologies at group and community scale, as well as on individual buildings.•Design and build homes to the highest standards of human health and performance.•Develop a technical assistance program with design guidelines.

- Work with Insurance Companies, Corp of Engineers, FEMA, Universities, and the City to develop and incentivize this program.

Project Timeline:

program development within 2 years
implementation 2-10 years

Anticipated Outcomes:

This program will aid in environmentally responsible development for the District and the City and needs to be the anticipated outcome.

Project Description Sheet # 13
(To be filled in by Citywide Team)

Project Name:	Create a New Public Park in Low Topographic Zone along Highway 406
Project Location:	Planning District 13
Area of Impact:	District-wide
Recovery Value:	Moderate Recovery
Sector:	Hurricane / Flood Protection; Community Facilities
Project Description:	<p>A swath of land between Highway 406 and the Intracoastal Canal lying in low topography should become a new public park for the entire District, providing a communal green space and flood mitigation.</p> <p>This project exists from the proposed land use plan and the area is already proposed as recreational use</p>
Project Timeline:	2-5 years
Anticipated Outcomes:	New recreational community asset and additional flood mitigation.

Project Description Sheet # 14
(To be filled in by Citywide Team)

Project Name:	Create a Master Plan for the District
Project Location:	Planning District 13
Area of Impact:	District-wide
Recovery Value:	Community Improvement
Sector:	Ecological Design / Historic Preservation
Project Description:	<p>Subsequent to the ecological study, create a District-wide Master Plan which respects the existing character and natural environment.</p> <ul style="list-style-type: none">• Ensure open and transparent public planning process• Consider the planning approach of conservation zoning and design guidelines; natural landscaping and resource management of public area, to increase bio-diversity and natural habitats; and the conservation and preservation of any archeological sites.• Consider the development of an “English Turn Village Center,” including:<ul style="list-style-type: none">• The construction of small-scale retail in the northwest corner of the District and of a community meeting place on high ground• Consider providing public sewerage to the entire District.• Develop strategies to address illegal dumping
Project Timeline:	2-5 years
Anticipated Outcomes:	Careful planning of additional planning needs of the District including a village center with small-scale retail and a community meeting place.