

## Memorial Heights Redevelopment Authority Potential Projects List

June 15, 2019

Note: Projects are listed in no particular order and are for discussion only. Projects may be added or deleted in the future.

Short Term Potential Projects					
Map Key	Project	Description/Benefits	Cost	Duration	Notes
A	Heights Boulevard at MKT Trail Bicycle/Pedestrian Safety Improvements	Bicycle and pedestrian facility improvements at the intersection of Heights Boulevard and the MKT Trail. Justification: A number of near misses have been reported at this location. A heavily utilized park is also located here. This project will evaluate the location and the potential improvements for these areas and implement appropriate improvements to improve safety for residents and visitors.	\$ 324,000		in 2019-2023 CIP
B	Heights Boulevard at Washington Avenue Bicycle Safety Improvements	Bicycle facility improvements at the intersection of Washington Avenue and Heights Boulevard for connection to Buffalo Bayou Park via Spotts Park or Jackson Hill Pedestrian Bridge. Justification: A number of near misses have been reported at this location. This project will evaluate the potential improvements and implement appropriate improvements to improve safety for residents and visitors.	\$ 89,100		in 2019-2023 CIP

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C	Hike and Bike Trail Segments to Improve Connectivity	Potential hike and bike trail connections - to be identified. Justification: There are a number of small gaps in the hike and bike trail in this area. Closing these gaps will improve the safety of residents and visitors and extend the hike and bike system within the city.	\$ 200,000		in 2019-2023 CIP
D	MKT and Other Trail Safety Improvements	Create trail and street markings along with signage on MKT Trail to improve safety and assist users with wayfinding. Justification: A number of near misses have been reported at these locations. This project will evaluate the locations and the potential improvements for each of these areas and implement appropriate improvements to improve safety for residents and visitors.	\$ 162,000		in 2019-2023 CIP

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E	Yale Street at Center Street Signal Replacement	Replace signal at Yale Street at Center Street. Justification: This intersection has experienced over 40 reported vehicle crashes between 2015 and 2017. The crash count for Yale at Center demonstrates the need for intersection improvements through enhanced and more visible signalization. The frequency of accidents for vehicle collision at the intersection are evident with over half of the accidents overlooking the existing stop control measures.	\$1,000,000		
F	Segment of White Oak to Memorial Park Trail	Complete the section to the Trail within the TIRZ Footprint	\$ 160,000		
G	19 <sup>th</sup> and 20 <sup>th</sup> @ Beall St. for a four-way stop and other crossing improvements	These intersections have a large volume of pedestrian crossings with a number of near misses.			
H	Separated bicycle facilities on Heights from Washington to I-10	This is a heavily traveled area for bicyclists and automobiles. Current bike facilities are not current City standard	\$ 200,000		

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1	18th Street Bicycle/Pedestrian and Streetscape Improvements	Construct pedestrian improvements to include sidewalks, pedestrian ramps, landscaping, and mid-block crossings to create an overall safer pedestrian environment. Justification: Existing conditions include discontinuous sidewalks segments, open ditch, non-ADA compliance pedestrian environment. This is a rapidly densifying area and there is an increased number of bicyclists and pedestrians. This project will improve quality of life and enhance economic development in the area.	\$ 1,215,000		in 2019-2023 CIP
2	19th Street Reconstruction from 20th Street to Durham Drive	Full reconstruction of roadway including removal of roadside ditches and asphalt pavement. Reconstruct sub surface drainage, pavement, sidewalks, and utilities. Justification: Existing conditions include poor roadway, discontinuous sidewalk segments, open ditch, and non ADA compliance pedestrian environment. This is a rapidly densifying area and there is an increased number of automobiles, bicyclists and pedestrians. This project will improve resiliency by improving storm water management, improve the quality of life for local residents and enhance economic development in the area.	\$ 16,686,000		

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3	20th Street Reconstruction from W 19th Street to N Shepherd Drive	Full reconstruction of roadway including drainage, pavement, sidewalks, and utilities. Reconstruct sub surface drainage, pavement, sidewalks, and utilities. Justification: Existing conditions include poor roadway, discontinuous sidewalk segments, open ditch, non ADA compliance pedestrian environment. This is a rapidly densifying area and there is an increased number of automobiles, bicyclists and pedestrians. This project will improve resiliency by improving stormwater management, improve the quality of life for residents and enhance economic development in the area.	\$ 19,440,000		

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4	Complete Reconstruction of Shepherd/Durham Drive with selected Crosstreets	Reconstruct Durham from 6th Street to IH610 including water, wastewater, stormwater (to upgraded standard), pedestrian and bicycle facilities. Justification: Major north/south artery with poor to non-existent drainage system, no sidewalks, no curb, unsafe for pedestrians and bicyclists. This is a rapidly densifying area and there is an increased number of automobiles, bicyclists and pedestrians. This project will improve resiliency by improving stormwater management, improve the quality of life and enhance economic development in the area.	\$ 100,000,000		in 2019-2023 CIP - Grant Funds Required
5	Remaining Cross Streets from Durham Street to Shepherd Street	Full reconstruction of roadway including pavement and utilities including stormwater. Justification: East/West connectors between Shepherd and Durham with poor to non-existent drainage system, no sidewalks, no curb, unsafe for pedestrians and bicyclists. This is a rapidly densifying area and there is an increased number of automobiles, bicyclists and pedestrians. The stormwater facilities do not meet current code. This project will improve resiliency, quality of life and enhance economic development in the area.	\$ 14,000,000		Selected streets in 2019-2023 CIP

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6	Heights Boulevard Reconstruction from Washington Avenue to I-10.	Heights Boulevard Roadway improvements, Utilities including stormwater facilities and expand the pedestrian realm from Railroad to Washington Avenue. Includes plaza development and removal of channelized southbound right turn lane. Justification: This is a rapidly densifying area and there is an increased number of automobiles, bicyclists and pedestrians. The stormwater facilities do not meet current code. This project will improve resiliency, quality of life and enhance economic development in the area. (Cost estimate from City)	\$ 14,580,000		
7	MKT Trail Railroad Bridge at White Oak Bayou Reconstruction	Reconstruction of deteriorated MKT Trail bridge over White Oak Bayou north of I-10 . Justification: This pedestrian bridge is nearing the end of its useful life and it impacts water flow during flooding events. Replacement will improve resiliency and quality of life in the region. (Cost estimate from City)	\$ 3,402,000		

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8	Spotts Park to Jackson Hill Bridge Pedestrian Crossing at Waugh	Improve crossing over Waugh Street between Spotts Park and Jackson Hill Street Bridge. Partnership Project with COH and DRA. Justification: Buffalo Bayou and Spotts parks are heavily used City facilities. Many people need to cross Waugh to reach the parks. Significant traffic at this location with limited visibility due to elevation changes and traveling at thoroughfare speeds create unsafe conditions for park users including a large number of children.			
9	TC Jester at W 19th Street Intersection Reconstruction & White Oak Bayou Detention Ponds	Partnership project (not fully in boundary)(COH and TIRZ 12) . Full reconstruction of roadway including drainage, pavement, sidewalks, and utilities. Property purchase and construction of detention facilities along White Oak Bayou. Justification: Reconstruction of this intersection and additional detention facilities will improve resiliency, quality of life and enhance economic development not only for the immediate area but also for surrounding areas. (Cost from COH)	\$ 72,900,000		



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10	Washington Avenue at Wescott Drive Roundabout	Full reconstruction of the roundabout at this location. Justification: This intersection is in very poor condition. This is a rapidly densifying area and there is an increased number of automobiles, bicyclists and pedestrians.	\$ 4,860,000		Pending - development agreement
11	White Oak Bayou Remediation/Channel Reclamation	Concrete removal from Taylor Street to end of concrete. Partnership Project (TxDOT, COH, HCFCD). (Cost from HCFCD Study). Justification: The concrete in White Oak Bayou is nearing the end of its useful life and currently requires significant annual maintenance. This project includes water quality improvement, additional recreational space, reduction in flood discharge velocities, aquatic habitat and riparian habitat, 495 acre-feet increased channel capacity for improved resiliency, quality of life and economic development.	\$ 60,000,000		

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12	White Oak Bayou Bridges - Bridges	Reconstruction of bridges over White Oak Bayou north of I-10 in the effort to help reduce local water surface elevations in White Oak Bayou. Potentially - Heights Boulevard, Old Railroad Trestle, , Yale Street and Shepherd. Justification These bridges have been identified during post Harvey Analysis as impacting water levels on White Oak Bayou. MHRA has the potential to partner with the city or other entities using flood mitigation funds or other resources to reduce the surface water level on White Oak Bayou and improve resiliency, quality of life and spur economic development in the area. Partnership Project(COH) Part of the North Canal Project	\$25,000,000-\$60,000,000		
13	Turkey Gully Detention/Flood Management Improvements	Diversion of urban drainage from Turkey Gully to White Oak Bayou including mitigating detention. This project has been identified during post Harvey Analysis to reduce flooding in the White Oak Bayou area. MHRA has the potential to partner with the city or other entities using flood mitigation funds or other resources to increase detention, improve resiliency, quality of life and spur economic development in the area. Partnership Project(COH)	\$30,000,000		

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14	Small Flood /Stormwater management projects to address neighborhood/area flooding	Projects identified by COH in post Harvey and rain event evaluation. These are smaller projects to reduce flooding in defined areas. The projects will be identified by COH based on engineering analysis after Harvey or other rain related events. Mitigating neighborhood/area flooding events, improves resiliency, improves quality of life and reduces repetitive flood related damage.	Unknown		