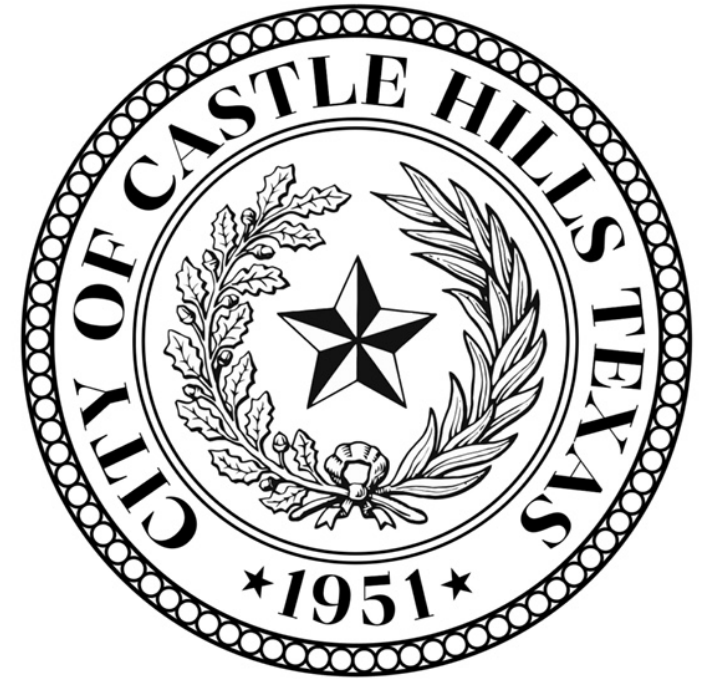


# Capital Improvement Projects – Streets and Drainage Infrastructure Update

October 11, 2022

City of Castle Hills



# FY 22 Capital Projects Overview

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- **Phase I and II – Streets**
- **Phase II – Banyan/Carolwood Drainage**
- **Future Capital Projects – Streets & Drainage**



# Capital Improvements Projects – Streets and Drainage

- **City Council was provided a presentation of the current and future Capital Improvements Projects in May 2022.**
- **As a result, City Council approved the list of 2023 Capital projects – streets and drainage.**
- **In May 2022, City was in the process of concluding the Street Improvements Phase I and Banyan/Carolwood Phase II was nearing completion.**
- **As of today, streets completed vs streets with scores < 50 OCI, as a result of the work over the last two years, 45% of streets with OCI scores under 50 OCI have been addressed.**
- **In the full-depth category, full-depth reconstruction, 12 streets remain in order to complete entire reconstruction category in the CIP.**
- **In October 2020, the City received the 2020 CO funding. Since then, the City has been able to plan, design, bid and construct fourteen streets and address another major area which were prone to flooding – Banyan Phase II.**



# Capital Improvements Projects – Streets

## **STREETS COMPLETED – FY 2021/2022**

- 14 FULL DEPTH RECONSTRUCTION

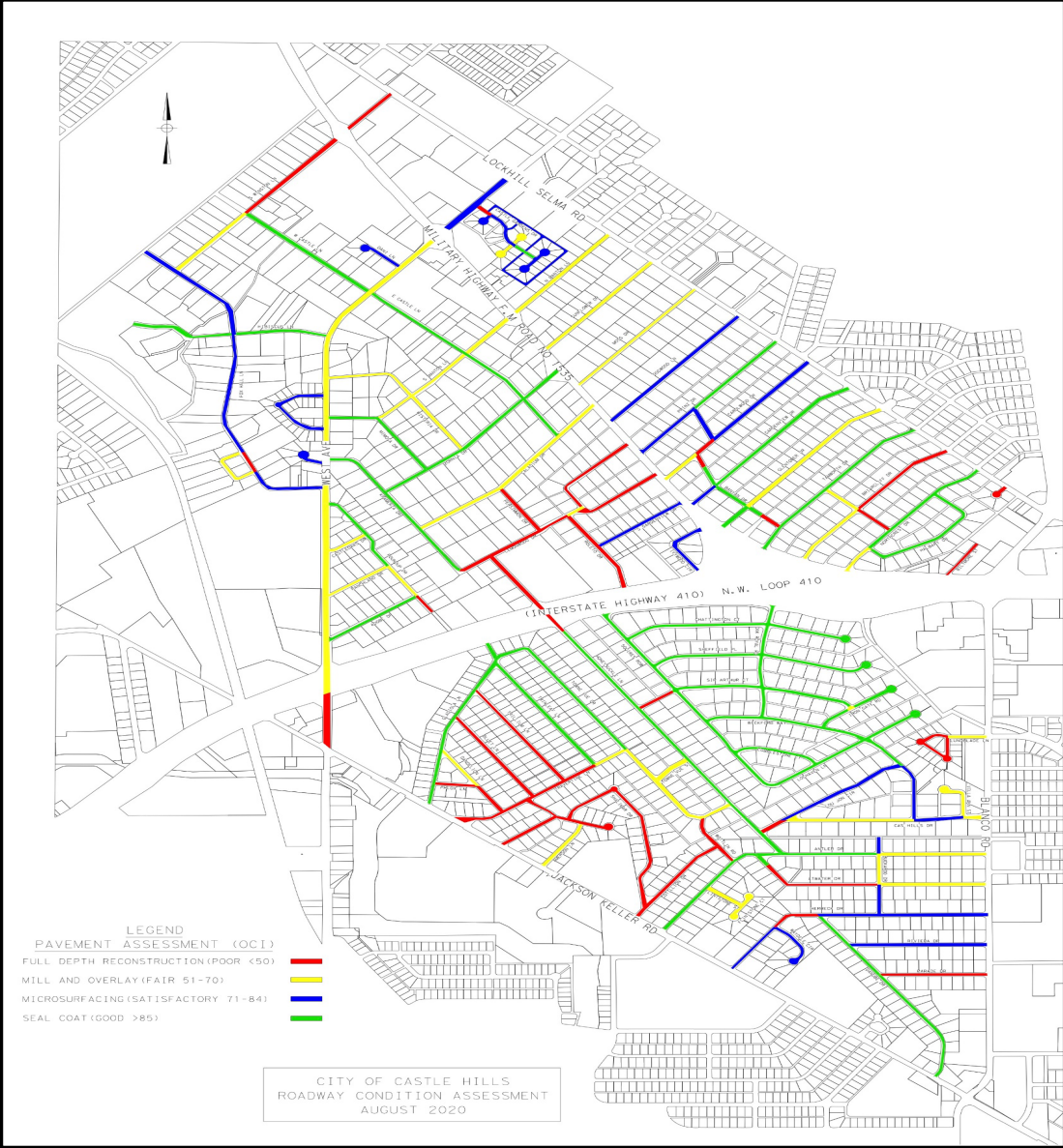
## **TOTAL COST**

- \$3M





August 2020 v. October 2022 Street Condition Map



# Capital Improvements Projects – Streets

## **PHASE I – STREET IMPROVEMENTS - \$1.9 million – STARTED IN NOVEMBER 2021 - COMPLETE**

- Bluet Lane from Travertine Lane to the cul-de-sac
- Shalimar Drive from Jackson Keller Road to Bluet Lane
- Travertine Lane from Jackson Keller Road to Town Vue
- Trillium Lane from Gladiola Lane to Travertine Lane
- Lemonwood Drive from Krameria Drive to Persimmon Drive
- Honeysuckle Lane from Lemonwood Drive to NW Loop 410 frontage road
- Fox Hall Lane from Fox Hall Cove to Fox Hall Cove
- Lemonwood Drive from Persimmon Drive to Roletto Drive
- Roletto Drive from Lemonwood Drive to NW Military Highway
- Atwater Drive from Antler Drive to Buckaroo Drive

## **PHASE II – STREET IMPROVEMENTS - \$1.1 million – STARTED IN MAY 2022 – COMPLETE**

- Briarcliff Drive from Banyan Drive to Lockhill Selma Road
- Bluet Lane from Travertine Lane to Gladiola Lane
- Shalimar Drive from Cotillion Drive to Bluet Lane
- Wottlin Road from Antler Drive to Towne Vue Drive

❖ FY21 and FY22 – Street Maintenance (15 streets have been microsurfaced)

## Phase II – Banyan/Carolwood – Drainage

- Phase II Carolwood/Banyan \$1.6 Million; SAWS and CPS Energy funded \$320K
- Installation of Multiple drainage inlets and street reconstruction - Continuation of Phase I Banyan/Glentower Project
- Project started in August 2021 – Funding 2020 Drainage COs
- Status – Complete





# Capital Improvement Projects FY 23 – Next Steps

- Street Projects – address another **\$3 Million** to reconstruct or conduct full-depth work on streets in the lower tier related to OCI scores to complete the entire reconstruction category (**12 Streets have been identified for reconstruction**).
  - ❖ Will close-out the full-depth category in our CIP
- Drainage Projects – **\$3.5 Million**
  - Use funds to construct the **\$1 Million** Mimosa/Krameria/West Avenue drainage project
  - Fund the Carolwood Extension **\$573K**
  - Fund the North Manton Drainage Improvements – **\$564K**
  - Fund the Glentower Drainage Improvements – **\$1.3M** (*Potential partnership with COSA & Bexar County*) (*estimate roughly \$700K would be COSA's part of the project for drainage improvements on Lockhill-Selma.*)



## ■ Roadway Summary \$3,456,254

The project consists of full depth roadway reconstruction, limited driveway and curb reconstruction, addition of signage and City utility adjustments as required.

### Roadway Project #1

**Street(s):** Roletto Dr.

**Project Limits:** The project limits will be S Gardenvue Dr to NW Loop 410 Access

**Length of Roadway:** 480.19 ft

**Construction Cost:** estimated at \$205,057

### Roadway Project #2

**Street(s):** Dandelion Ln

**Project Limits:** The project limits will be Travertine Ln to Phlox Ln

**Length of Roadway:** 400.87 ft

**Construction Cost:** estimated at \$136,737

### Roadway Project #3

**Street(s):** Lundblade Ln

**Project Limits:** The project limits will be Lundblade Ln to Lundblade Ln

**Length of Roadway:** 899.53 ft

**Construction Cost:** estimated at \$306,830.00

### Roadway Project #4

**Street(s):** Cotillion Dr

**Project Limits:** The project limits will be Shalimar Dr to Jackson-Keller Rd

**Length of Roadway:** 525.05 ft

**Construction Cost:** estimated at \$52,090.00

### Roadway Project #5

**Street(s):** Cotillion Dr

**Project Limits:** The project limits will be from Wottlin Rd to Shalimar Dr

**Length of Roadway:** 525.05 ft

**Construction Cost:** estimated at \$358,190.00

### Roadway Project #6

**Street(s):** Peg Sue Ct

**Project Limits:** The project limits will be from Lockhill-Selma to the Cul-de-sac

**Length of Roadway:** 132.13 ft

**Construction Cost:** estimated at \$45,070

### Roadway Project #7

**Street(s):** Phlox Ln

**Project Limits:** The project limits will be Dandelion Ln to Gladiola Ln

**Length of Roadway:** 404.19 ft

**Construction Cost:** estimated at \$137,870

### Roadway Project #8

**Street(s):** Parade Dr

**Project Limits:** The project limits will be from Blanco Rd to Danube Dr

**Length of Roadway:** 1,016.76 ft

**Construction Cost:** estimated at \$346,817

### Roadway Project #9

**Street(s):** Persimmon Dr.

**Project Limits:** The project limits will be Lemonwood Dr to Caladium Dr.

**Length of Roadway:** 640.59 ft

**Construction Cost:** estimated at \$218,505

### Roadway Project #10

**Street(s):** Glentower

**Project Limits:** The project limits will be from Lockhill-Selma to Banyan Dr. in conjunction with the drainage project which includes adding storm sewer and inlets.

**Length of Roadway:** 1,755.95 ft

**Construction Cost:** estimated at \$795,644



### Roadway Project #11

**Street(s):** North Manton

**Project Limits:** The project limits will be from NW Military Hwy to Lockhill Selma Rd excluding the project limits of the North Manton Drainage project which upgrades the low water crossing.

**Length of Roadway:** 1,334.03 ft

**Construction Cost:** estimated at \$380,103

### Roadway Project #12

**Street(s):** Carolwood

**Project Limits:** From Banyan East approx. 650' reconstruct the reverse crown section continuing from Banyan Phase II project installing curb and gutter.

**Length of Roadway:** 650'

**Construction Cost:** estimated at \$473,242.00

## Capital Improvements Street Projects FY 23

## ■ Drainage Summary \$3,554,903

The project consists of construction of drainage channel(s), installation of box culverts and inlets, roadway reconstruction, driveway and curb reconstruction, utility adjustments as required.

### Drainage Project #1

**Street(s):** Mimosa/Krameria

**Project Limits:** The project limits include channel reconstruction east of Mimosas to West Ave including installing box culverts at the Mimosa and Krameria crossings.

**Construction Cost:** estimated at \$1,025,793

### Drainage Project #2

**Street(s):** North Manton

**Project Limits:** The project limits include installing a box culvert at the North Manton low water crossing and reconstruction of retaining walls, driveways and regrading of ditches.

**Construction Cost:** estimated at \$564,202

### Drainage Project #3

**Street(s):** Carolwood

**Project Limits:** Continue the storm drain installed in Banyan Phase II the limits of the reconstruction of the crown of the roadway approx. 650'.

**Construction Cost:** estimated at \$573,750

### Drainage Project #4\*

**Street(s):** Glentower

**Project Limits:** The project limits are from Lockhill-Selma to Banyan Dr including installing storm sewer system including curb and grate inlets.

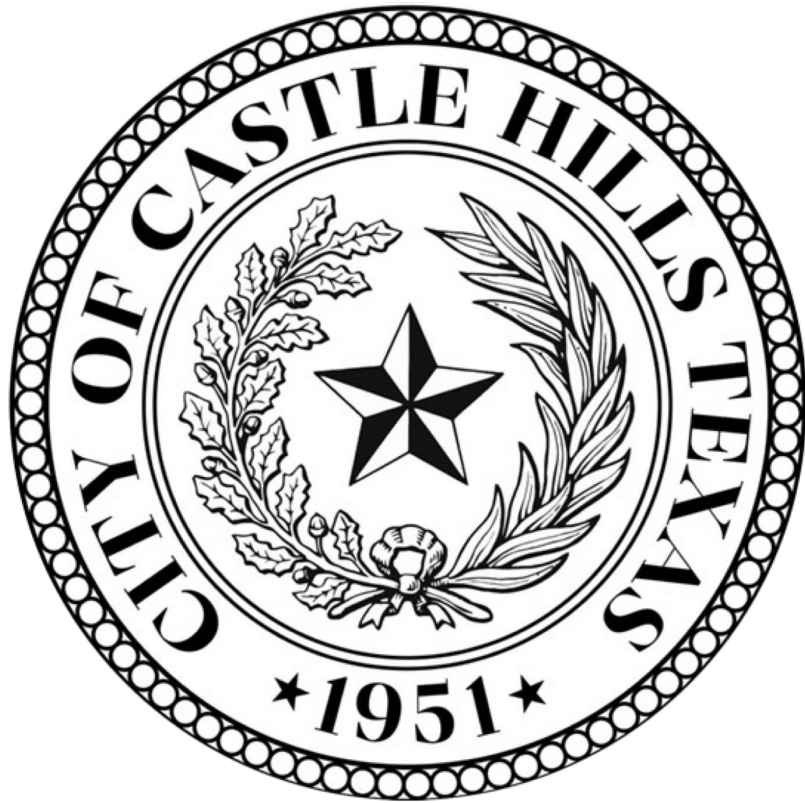
**Construction Cost:** estimated at \$1,391,158

*\* Potential Partnership with City of San Antonio and Bexar County.*



# Capital Improvements Drainage Projects FY 23





Questions

