



2021
CITY OF HELOTES
STREET MAINTENANCE PLAN
Public Works Department

OVERALL CONDITION INDEX (OCI)

Asset Estimated OCI Calculations

The estimated OCI for an asset is calculated by taking into account the asset's age, predicted performance, and inspections and tasks performed on the asset. Using this data, the estimated OCI for the asset is determined.



PREFERRED TECHNOLOGIES FOR STREET MAINTENANCE



HA5® SURFACE TREATMENT

HA5® is a High Density Mineral Bond uniquely emulsified with a near neutral charge that is able to hold a proprietary blend of fine aggregates.

Specifically engineered to preserve the native asphalt binder, HA5® is exceptional at preventing oxidative damage.

- Significantly extends pavement life.
- No loose aggregate or grainy residue on the surface post installation.
- Performance backed by seven year study.



MICROSURFACING

Microsurfacing is a polymer modified surfacing system that protects asphalt pavements, increases the durability of roads, and resists cracking and raveling.

Offers a greater resistance to damage than other surfacing applications by providing a tougher surface that will minimize the road's vulnerability.

Typically used as a preventive maintenance solution for roads in moderately good condition.



HOT-APPLIED THERMOPLASTIC

Hot-applied thermoplastic is a solid compound containing pigments, glass beads, binder and filler which becomes liquid when heated.

It offers many important benefits in terms of road safety including its high level of wet night visibility and the fact that it can be applied as both flat and structured markings.

The long lifespan of thermoplastic markings furthermore makes them a cost-effective solution as they demand less frequent maintenance or replacement.

2021 RECOMMENDED

| Street Name | Activity | Total Square Ft |
|----------------|-----------------|-------------------|
| Hollow Ridge | Micro Surfacing | 42,475.20 |
| Hunters Break | Micro Surfacing | 25,326.00 |
| Hunters Oak | Micro Surfacing | 7,123.20 |
| Hunters Path | Micro Surfacing | 24,281.40 |
| Hunters Way | Micro Surfacing | 73,125.60 |
| Iron Horse Way | Micro Surfacing | 213,165.00 |
| | Total | 385,496.00 |

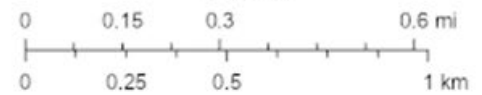
Micro Map



November 3, 2020

— Pavement

1:21,216



2021 RECOMMENDED

| Street | Activity | Sq. Ft |
|--------------|----------|-----------|
| Bitterroot | HA5 | 37,076.20 |
| Black Horse | HA5 | 73,371.55 |
| Canyon River | HA5 | 48,896.10 |
| Five Brooks | HA5 | 54,423.60 |
| Rainbow View | HA5 | 51,052.75 |
| Ashwell | HA5 | 33,372.50 |
| Wild Heart | HA5 | 43,592.50 |
| Lost Horse | HA5 | 6,304.65 |

2021 RECOMMENDED

| Street | Activity | Sq. Ft |
|---------------|--------------|-------------------|
| Red Tail | HA5 | 5,103.12 |
| Mystic Saddle | HA5 | 38,771.40 |
| Spotted Horse | HA5 | 18,436.95 |
| Wind Walker | HA5 | 31,249.40 |
| Wind Ridge | HA5 | 32,346.00 |
| Flying Horse | HA5 | 16,011.00 |
| Spirit Horse | HA5 | 28,589.00 |
| Ribbon Ridge | HA5 | 11,869.00 |
| | Total | 530,465.72 |

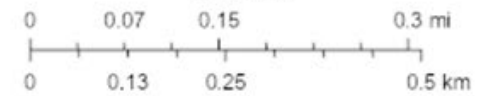
2021 HA5



November 3, 2020

— Pavement

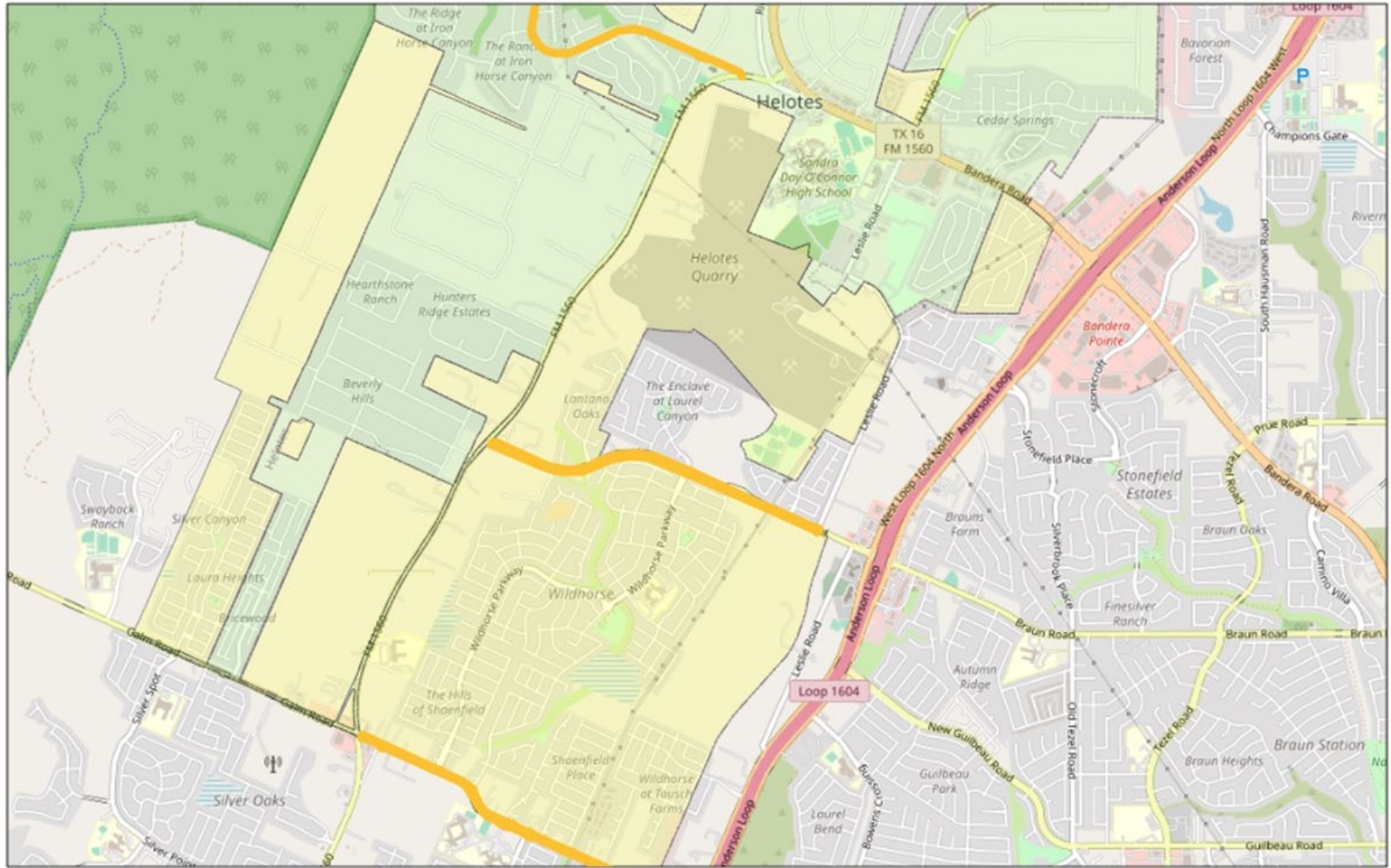
1:10,984



2021 RECOMMENDED

| Street Name | Activity | Total Linear Ft |
|----------------|-------------------------|------------------|
| Shaenfield | Repaint Street Markings | 57,854.00 |
| Braun | Repaint Street Markings | 23,384.00 |
| Iron Horse Way | Repaint Street Markings | 11,491.00 |
| | Total | 92,729.00 |

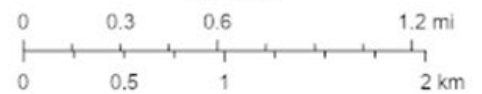
Street Markings



November 5, 2020

— Marking

1:41,649



2021 STREET MAINTENANCE

Approval of Street Maintenance
Sales and Use Tax

Not to Exceed - \$ 600,000

ANY
QUESTIONS?

