



**AGENDA ITEM REQUEST FORM  
CITY OF JOHNSON CITY, TEXAS  
CITY COUNCIL**

**ITEM NO. 15**

**MEETING DATE:** September 7, 2021

**AGENDA PLACEMENT:**

- Ceremonial
- Consent
- Individual
- Closed Session

**CAPTION:**

Discussion of and action on a five-year Street Maintenance Plan for the City of Johnson City and authorizing the Chief Administrative Officer to prepare bid documents, advertise bid opportunities, select the lowest responsible bidders, negotiate and execute contracts with awarded firms, and pay associated costs in accordance with the adopted FYE 2022 Budget(s). (Staff)

**STRATEGIC WORK PLAN:**

- |  |  |
|--|--|
| <input type="checkbox"/> Not Applicable                          | <input type="checkbox"/> Goal 5: Improve Fire Safety                             |
| <input type="checkbox"/> Goal 1: Increase Housing Diversity      | <input checked="" type="checkbox"/> Goal 6: Improve Streets                      |
| <input type="checkbox"/> Goal 2: Expand Quality Lodging          | <input type="checkbox"/> Goal 7: Increase Publicity & Promotion of the Community |
| <input type="checkbox"/> Goal 3: Improve Code Enforcement        | <input type="checkbox"/> Goal 8: Increase Economic Development Activities        |
| <input type="checkbox"/> Goal 4: Improve Streetscaping & Signage |  |

**EXECUTIVE SUMMARY:**

Contingent upon funding availability, City Staff has prepared the attached Street Maintenance Plan for a five-year period (FYE 2022-2026). The Plan identifies a variety of treatments required for each street within the City. Treatments consist of the following:

1. Herbicide Application;
2. Edge of Pavement;
3. Crackfill;
4. Pothole Repair;
5. Rebuild (One- or Two-Course); and
6. Onyx Mastic Surface Treatment.

### *Herbicide Application*

Herbicide is applied to any vegetation within the asphalt. Maintains the integrity of the paved surface and prevents or reduces erosion.



### *Edge of Pavement Repairs*

“Blown-in” aggregate and oils fill cracks and repair edge of pavement that has deteriorated due to longitudinal cracks and poor support at the pavement edge.



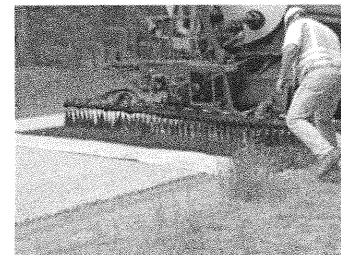
### *Crackfill*

Pavement cracks greater than 1/16” are cleaned with air and sealed with asphaltic materials to prevent water and other debris entering existing cracks and further deteriorating asphalt.



### *Pothole Repair*

Potholes, spalled areas, depressions, and raveled or damaged pavement edges in roadway surfaces are repaired using a variety of methods. Some potholes may be repaired in the same fashion as edge of pavement repairs above. Other potholes may require cutting and removing existing asphalt, compacting base, and laying new asphalt.



### *One- or Two-Course Surface Treatments*

A surface treatment is placed on a crushed stone base to provide a roadway with the least expensive permanent type of bituminous surface. It seals and protects the base and provides strength at the road surface so that the base can resist the abrasive and disruptive forces of traffic. It also provides many of the functions that a seal coat provides. When applied to a bituminous pavement surface, a seal coat provides a durable all-weather surfacing that:

- seals an existing bituminous surface against the intrusion of air and water;
- enriches an existing dry or raveled surface;
- arrests the deterioration of a surface showing signs of distress;
- provides a skid-resistant surface;
- provides the desired surface texture; and
- provides a uniform-appearing surface.



### *Onyx Mastic Surface Treatment*

Onyx increases friction, locks loose aggregate, eliminates dust, and provides an aesthetically pleasing appearance to chip seal roads.

**FINANCIAL:**

The cost of the five-year plan is yet to be determined until we go through the bidding process; however, City Staff is certain that the total cost vastly exceeds the \$100,000+ budgeted within the proposed FYE 2022 Municipal Budget(s). Staff, therefore, is proposing to increase sales and use tax collections under Item No. 16 on the Agenda in order to expend additional funds on street maintenance.

**ATTACHMENTS:** Proposed Street Maintenance Plan

**SUGGESTED ACTION:**

Motion to approve a five-year Street Maintenance Plan for the City of Johnson City and authorizing the Chief Administrative Officer to prepare bid documents, advertise bid opportunities, select the lowest responsible bidders, negotiate and execute contracts with awarded firms, and pay associated costs in accordance with the adopted FYE 2022 Budget(s).

**PREPARED BY:** City Staff

**DATE SUBMITTED:** 9/1/21

City of Johnson City, Texas		
Proposed FYE 2022 - 2026 Street Maintenance Plan		
Road Name	Recommended Treatment	Notes
281 Loop	Herbicide, Edge of Pavement, Crackfill, & Onyx	From US Hwy. 281 to 217 281 Loop
4 6s Dr	Herbicide, Rebuild (Chip Seal), & Onyx	
Alamo	Rebuild (Chip Seal), & Onyx	
Arrowhead Dr	Herbicide, Crackfill, & Onyx	
Ashlee Ln	Herbicide, Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
Bar S Dr	Herbicide, Crackfill, & Onyx	
Brianna Circle	Crackfill, & Onyx	
Cedar	Edge of Pavement, Crackfill, Repair Intersection w/ Old Austin Hwy., & Onyx	
Chupadero Dr	Edge of Pavement, Crackfill, & Onyx	
City Park Parking Lot	Crackfill, Onyx, & Restripe	
Crestview Dr	Rebuild (Chip Seal), & Onyx	
Danz Well Rd	Rebuild (Chip Seal), & Onyx	From S Ave. Q to 817 W. Danz Well Rd.
Diamond X Dr	Crackfill, & Onyx	
Double U Dr	Herbicide, Rebuild (Chip Seal), & Onyx	
Duncan Ave	Rebuild (Chip Seal), & Onyx	
E Ash	Pothole Repair, Crackfill, & Onyx	
E Bluebonnet Ln	Edge of Pavement, Crackfill, & Onyx	
E Cypress St	Pothole Repair, Crackfill, & Onyx	
E Dawn Dr	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
E Elm St	Crackfill, & Onyx	
E Ladybird Ln	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
E Pecan Dr	Crackfill, & Onyx	
Fannin	Rebuild (Chip Seal), & Onyx	
Florance	Edge of Pavement, Crackfill, & Onyx	
Gonzales Ave	Herbicide, Edge of Pavement, Crackfill, & Onyx	
Haley Rd	Herbicide, Edge of Pavement, Crackfill, & Onyx	
Haley Rd	Rebuild (Asphalt), & Onyx	To Intersection w/ Alamo
Heritage Bend	Rebuild (Chip Seal), & Onyx	Alamo to End
Heritage Dr	Rebuild (Chip Seal), & Onyx	
Heritage Pt	Rebuild (Chip Seal), & Onyx	
Hillcrest Dr	Rebuild (Chip Seal), & Onyx	
LBJ Dr	Pothole Repair, Crackfill, & Onyx	
Leaning Oak Cir	Herbicide, Scraped Around Tree Wells, Pothole Repair, Edge of Pavement, Crackfill, & Onyx	
Liveoak Dr	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
Mesquite	Rebuild (Chip Seal), Repair Intersection w/ Old Austin Hwy., & Onyx	
Miranda Ct	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
Moss Rock Dr	Rebuild (Chip Seal), & Onyx	
N Ave C	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
N Ave E	Edge of Pavement, Crackfill, & Onyx	
N Ave F	Pothole Repair, Crackfill, & Onyx	
N Ave G	Crackfill, & Onyx	
N Ave I	Rebuild (Chip Seal), & Onyx	
N Ave J	Crackfill, & Onyx	US Hwy. 290 to W. Pecan Dr.
N Ave J	Rebuild (Chip Seal), & Onyx	W. Pecan Dr. to JCISD
N Ave K	Edge of Pavement, Crackfill, & Onyx	
N Ave L	Edge of Pavement, Crackfill, & Onyx	
N Ave N	Rebuild (Chip Seal), & Onyx	
N Ave O	Crackfill, & Onyx	
N Ave Q	Rebuild (Chip Seal), & Onyx	W. Pecan Dr. to Ave. R
N Winters Furr	Rebuild (Chip Seal), & Onyx	Northern Portion
N Winters Furr	Edge of Pavement, Crackfill, & Onyx	Remainder
Oak Cir	Rebuild (Chip Seal), & Onyx	
Oak Moss	Rebuild (Chip Seal), & Onyx	
Old Austin Hwy	Edge of Pavement, Crackfill, & Onyx	
Pitchfork Dr	Herbicide, Crackfill, & Onyx	
Plumb Short	Edge of Pavement, Crackfill, & Onyx	
Post Oak Dr	Crackfill, & Onyx	
Ranchview Dr	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
S Ave E	Edge of Pavement, Crackfill, & Onyx	
S Ave F	Crackfill, & Onyx	
S Ave F	Rebuild (Chip Seal), & Onyx	US Hwy. 290 to E. Lady Bird Ln.
S Ave F	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	E. Lady Bird Ln. to Chupadero
S Ave G	Crackfill, & Onyx	Remainder
S Ave Q	Edge of Pavement, Crackfill, & Onyx	US Hwy. 290 to W. Pecan Dr.
S Winters Furr	Herbicide, Edge of Pavement, Crackfill, & Onyx	
Scofield Ave	Rebuild (Chip Seal), & Onyx	
Softball Field Parking Lot	New Apron, Crackfill, Onyx, & Restripe	
Spring View Dr	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
Victory Ln	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
W Ash	Rebuild (Chip Seal), & Onyx	
W Bluebonnet Ln	Edge of Pavement, Crackfill, & Onyx	
W Crestview	Pothole Repair, Crackfill, & Onyx	
W Cypress	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
W Dawn Dr	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
W Pecan Dr	Edge of Pavement, Pothole Repair, Crackfill, & Onyx	
Winding Oak Dr	Herbicide, Scraped Around Tree Wells, Pothole Repair, Edge of Pavement, Crackfill, & Onyx	
Yo Dr	Herbicide, & Onyx	
Yucca	Rebuild (Asphalt), & Onyx	