

RESOLUTION 20-130

**A RESOLUTION TO AUTHORIZE THE INSTALLATION OF
DEDICATED LEFT TURN ARROW TRAFFIC SIGNAL HEADS
AT INTERSECTIONS ON DUPLEX ROAD**

WHEREAS, the City of Spring Hill desires to install dedicated left turn arrow traffic signal heads at three (3) intersections on Duplex Road to further enhance traffic flow; and

WHEREAS, the City desires to install signal heads at the following intersections:

- Southbound Miles Johnson Parkway at Duplex Road intersection
- Northbound Miles Johnson Parkway at Duplex Road intersection
- Southbound Port Royal Road at Duplex Road intersection
- Northbound Port Royal Road at Duplex Road intersection
- Southbound Buckner Lane at Duplex Road intersection; and

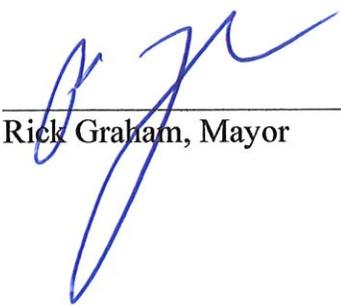
WHEREAS, detection loops linked to the traffic signals were installed in the road by TDOT as part of the Duplex Road Widening Project at these intersections; and

WHEREAS, S&W Contracting Company, Inc. has submitted a proposal in the total amount of \$9,550.00 to perform the modifications to the signal heads and to the controller cabinets; and

WHEREAS, funding for the installation will be paid from FY 2021 budgeted expenses in the Streets Miscellaneous line item in the General Fund (110-43100-790).

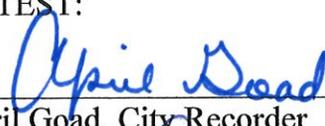
NOW, THEREFORE BE IT RESOLVED, that the City of Spring Hill Board of Mayor and Aldermen authorizes the installation of dedicated left turn arrow traffic signal heads at intersections on Duplex Road at a price of \$9,550.00.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee on the 21st day of September, 2020.



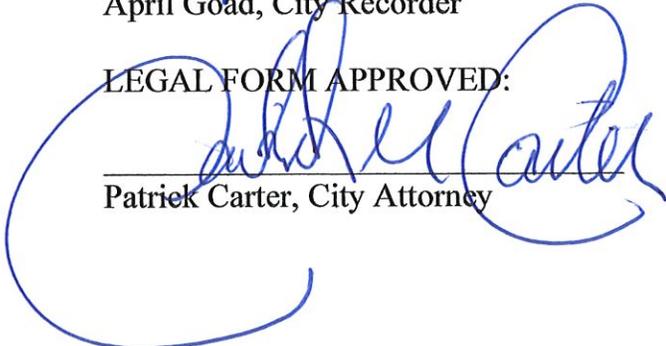
Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patriek Carter, City Attorney



REQUEST: *Approval of Resolution 20-130*
SUBMITTED BY: Missy Stahl, Senior Project Manager
DATE: September 8, 2020
RE: Resolution to authorize the installation of dedicated left turn arrow traffic signal heads at intersections on Duplex Road
ATTACHMENTS: Site maps of intersections

PURPOSE:

The purpose of this resolution is for the Board of Mayor and Aldermen to authorize the modification of the existing traffic signal heads at three intersections on Duplex Road to add a dedicated left turn arrow to further enhance traffic flow.

BACKGROUND:

When the traffic studies for the intersections for the widening of Duplex Road were conducted in 2015, the traffic volume did not warrant dedicated left turn arrows on the traffic signal heads at the intersections. Detection loops for a left turn arrow were included as part of the construction plans for the widening project and are installed per plans. As traffic has increased, the City recognizes the need to add dedicated left turn arrow signal heads to enhance traffic flow at the following:

- Southbound Miles Johnson Parkway at Duplex Road intersection
- Northbound Miles Johnson Parkway at Duplex Road intersection
- Southbound Port Royal Road at Duplex Road intersection
- Northbound Port Royal Road at Duplex Road intersection
- Southbound Buckner Lane at Duplex Road intersection

S&W Contracting Company, Inc. has submitted a proposal in the total amount of \$9,550.00 to modify all five signal heads and the controller cabinets to add the requested items. Modification can begin following approval of Resolution 20-130 as the construction on the widening project has TDOT approval of substantial completion.

FINANCIAL IMPACT:

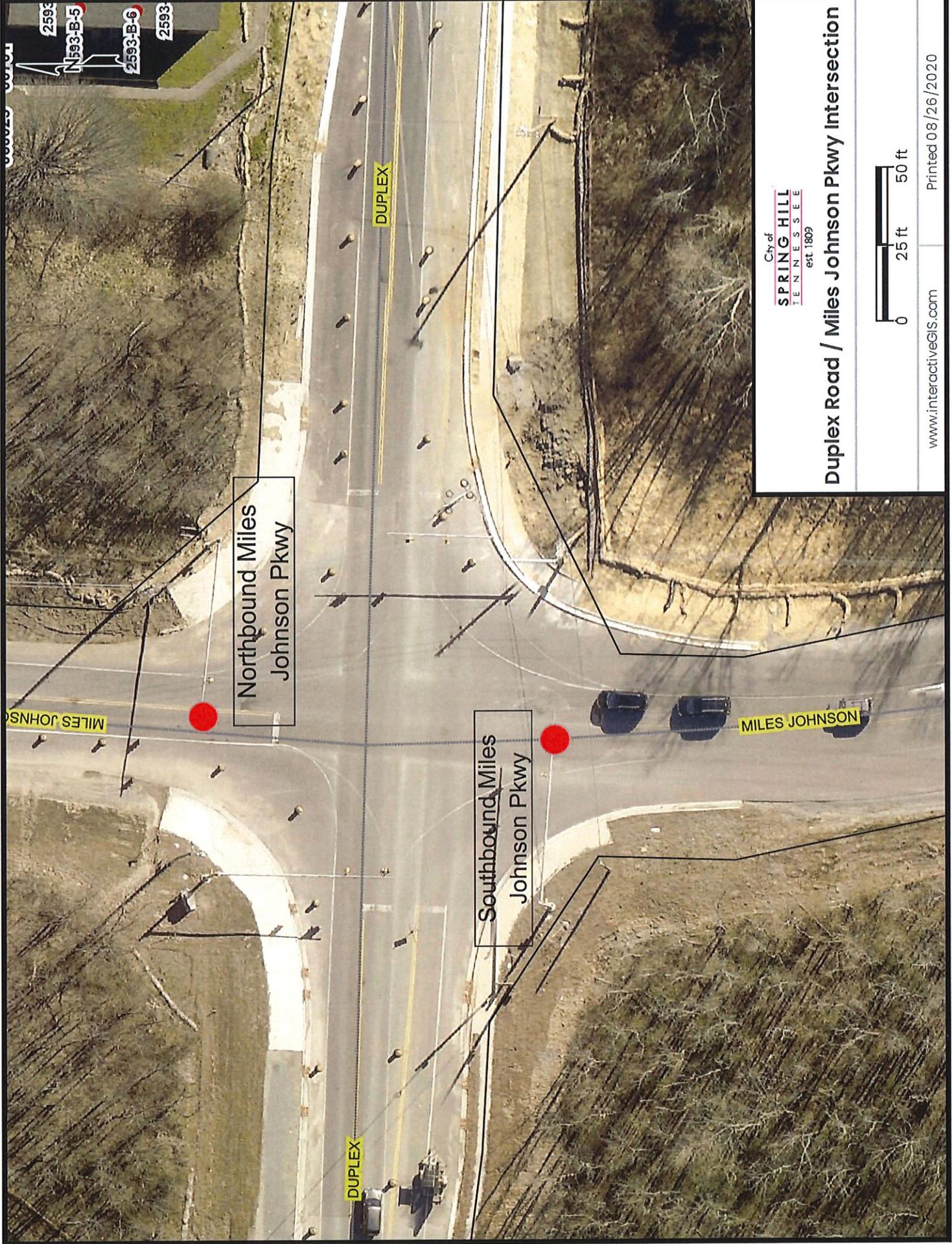
Funding for the installation of the dedicated left turn arrow traffic signal heads will be paid from FY 2021 budgeted expenses in the Streets Miscellaneous line item in the General



Fund (110-43100-790). The funds are part of the loan proceeds that were borrowed for the City's expenses related to the Duplex Road widening project.

STAFF RECOMMENDATION:

Staff recommends approval of Resolution 20-130 to authorize the installation of dedicated left turn arrow traffic signal heads by S&W Contracting Company at the intersections of Miles Johnson Parkway, Port Royal Road and Buckner Lane on Duplex Road at a total cost of \$9,550.00.



Northbound Miles Johnson Pkwy

Southbound Miles Johnson Pkwy

DUPLEX

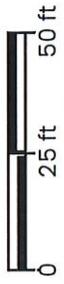
DUPLEX

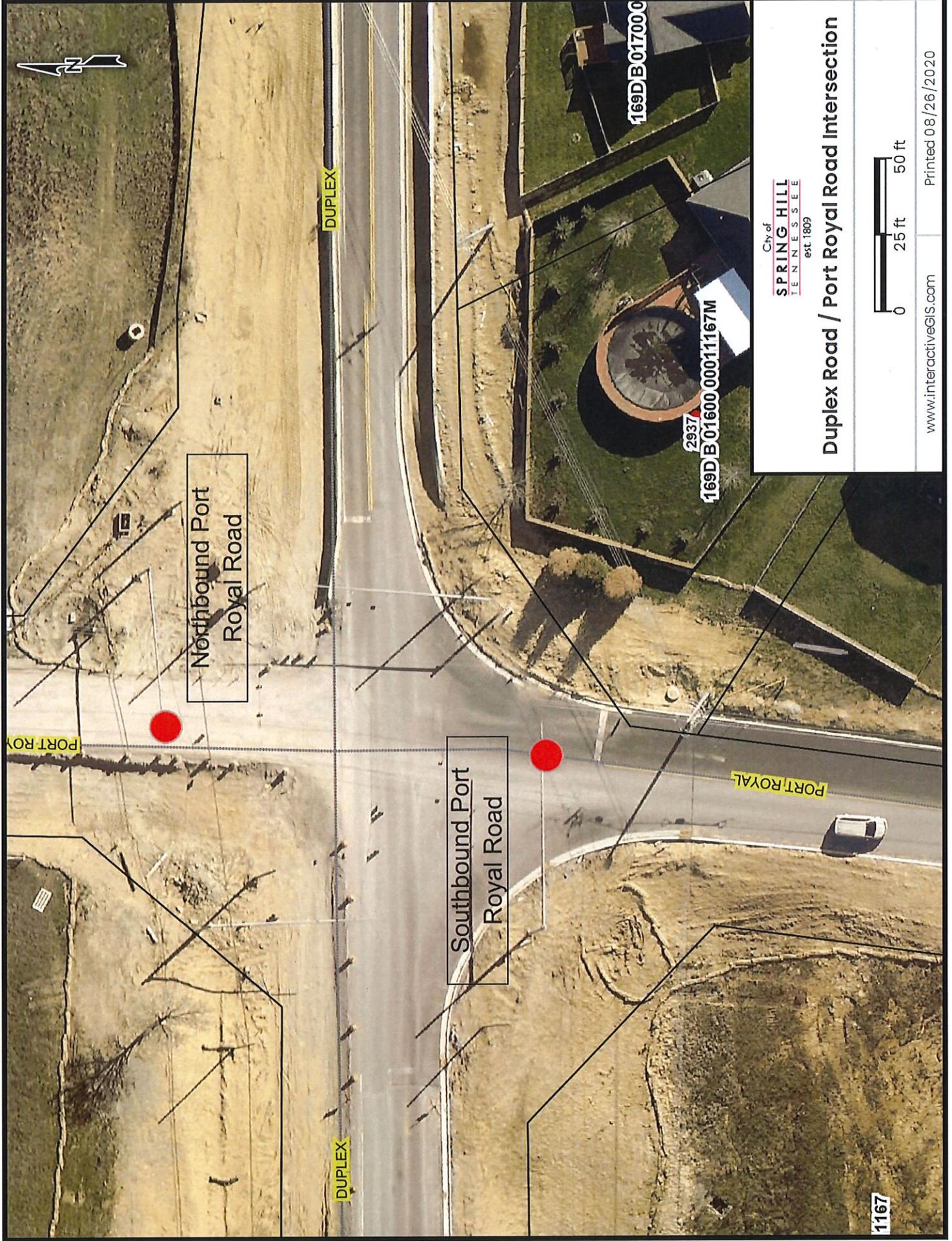
MILES JOHNSON

MILES JOHNSON

City of
SPRING HILL
TENNESSEE
est. 1809

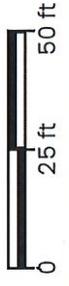
Duplex Road / Miles Johnson Pkwy Intersection



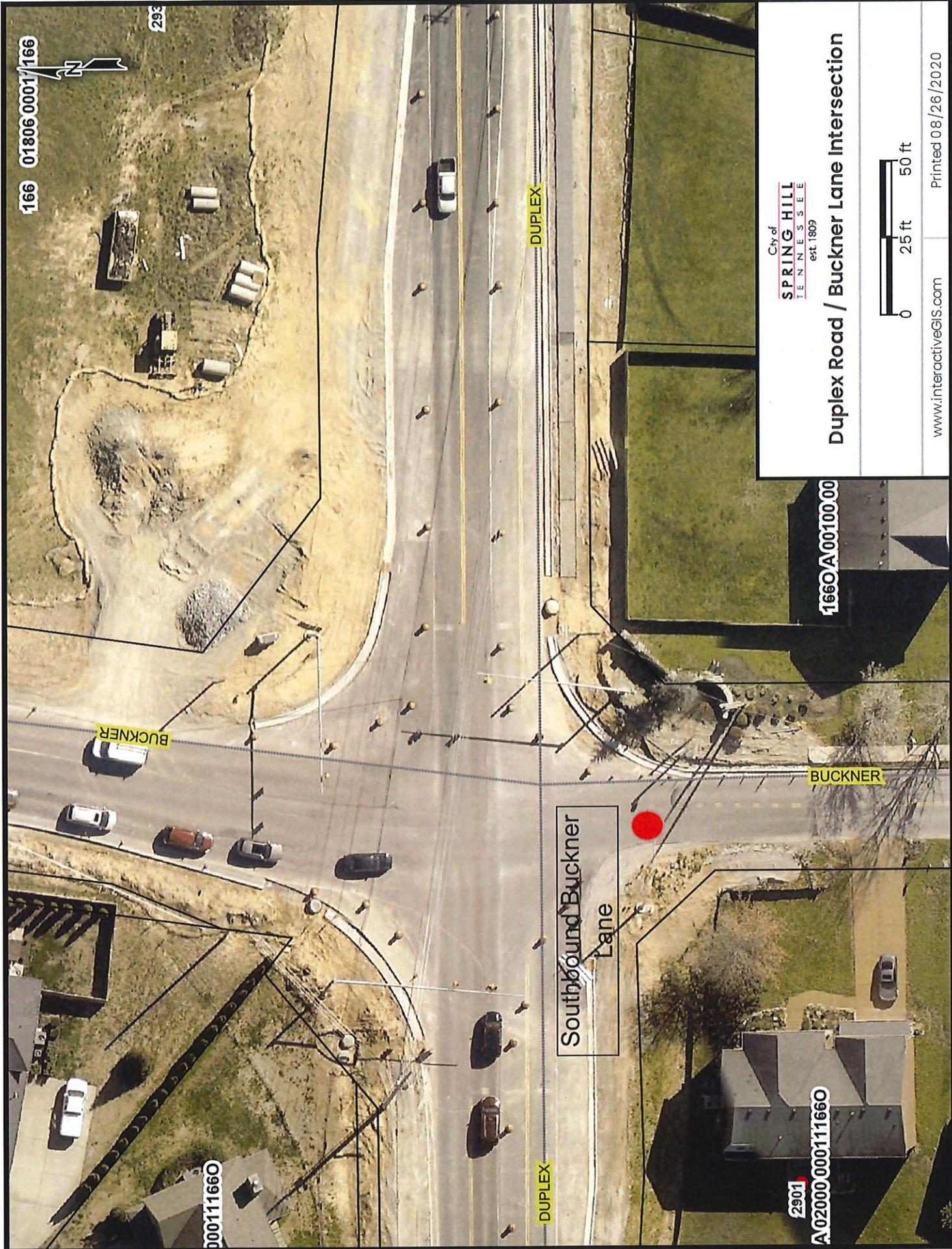


City of
SPRING HILL
TENNESSEE
est. 1809

Duplex Road / Port Royal Road Intersection



1167



166 01806 0001 166

293



BUCKNER

BUCKNER

DUPEX

DUPEX

Southbound Buckner Lane

1660A00100.00

00011660

2901

A02000 000111660

City of
SPRING HILL
TENNESSEE
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Duplex Road / Buckner Lane Intersection

