



Project Concept Report

This is a conceptual report. The project features and layouts will be further refined through planning and design phases.

Project: MacHost (LA 64 to Pride-Port Hudson)

Date: November 21, 2019



Image above represents broad outline of the project area as shown in 2018 MOVEBR tax plan proposition

Project: MacHost (LA 64 to Pride-Port Hudson)

MOVEBR Program ID:	CEP-45
Project Length (feet):	11,500
Estimated Cost:	\$10,000,000
Funded from Proposition:	\$10,000,000

PROJECT OVERVIEW

This project proposes to improve existing conditions along MacHost Rd including alignment, sight distance, shoulders, and drainage. This project is being designed under the oversight of the City of Zachary.

Current Condition:	Two-lane undivided
Proposed Condition:	Two-lane undivided w/shoulders See Typical Section for Preliminary Concept Alternative.



PROJECT STATUS

This project is currently in the design phase.

COMPLETE STREETS

The MOVEBR Program has developed design guidelines that aim to institutionalize the Complete Streets policy by accommodating pedestrians, bicyclists, and transit users, regardless of age and ability.

DRAINAGE AND GREEN INFRASTRUCTURE CONSIDERATIONS

Among the drainage considerations for this specific project are the following:

A portion or all of this project is located within Flood Zone AE, which is considered a Special Flood Hazard Area (SFHA).

This project location was in an area identified as an “estimated inundation area” from the 2016 floods. This map can be viewed at <https://www.arcgis.com/home/webmap/viewer.html?webmap=cb332217bdab4572b4930e02d6655f84>

Existing drainage for the project area utilizes an open (ditch) system.

The project budget will consider funding for green infrastructure to improve water quality and mitigate impacts of stormwater runoff. Examples of green infrastructure include but are not limited to porous pavement, creation or maintenance of a tree canopy, bioswales, planter boxes, rain gardens, and land conservation efforts.

ENVIRONMENTAL CONSIDERATIONS

Initial reviews support the following;

Minimal environmental considerations have been identified (potential wetland impacts) and must be reviewed and potentially addressed.

**Note that this is not exhaustive of possible future environmental considerations.*

TRAFFIC & SIGNALIZATION INTERSECTIONS

The Projected Average Daily Traffic (ADT) for year 2042 is 3,500.

The current concept supports turn lanes at major intersections for budget purposes. Future traffic studies will identify locations for turn lanes, median openings and connections (driveways, side streets etc.).

Signal systems will be upgraded as a part of future projects if required due to future configurations.

UTILITIES CONSIDERATIONS

A preliminary assessment of the project area provides for the utilities listed below. Potential utility relocation costs will be included in the project budget if the infrastructure is located within the utility's own servitude.

Possible Utilities	Existing	Adjust/Relocate
Overhead Electric	●	TBD
Underground Electric	●	TBD
Water	●	TBD
Sanitary Sewer	●	TBD
Telephone	●	TBD
CATV/Fiber	●	TBD
Gas Distribution	●	TBD

RIGHT OF WAY CONSIDERATIONS

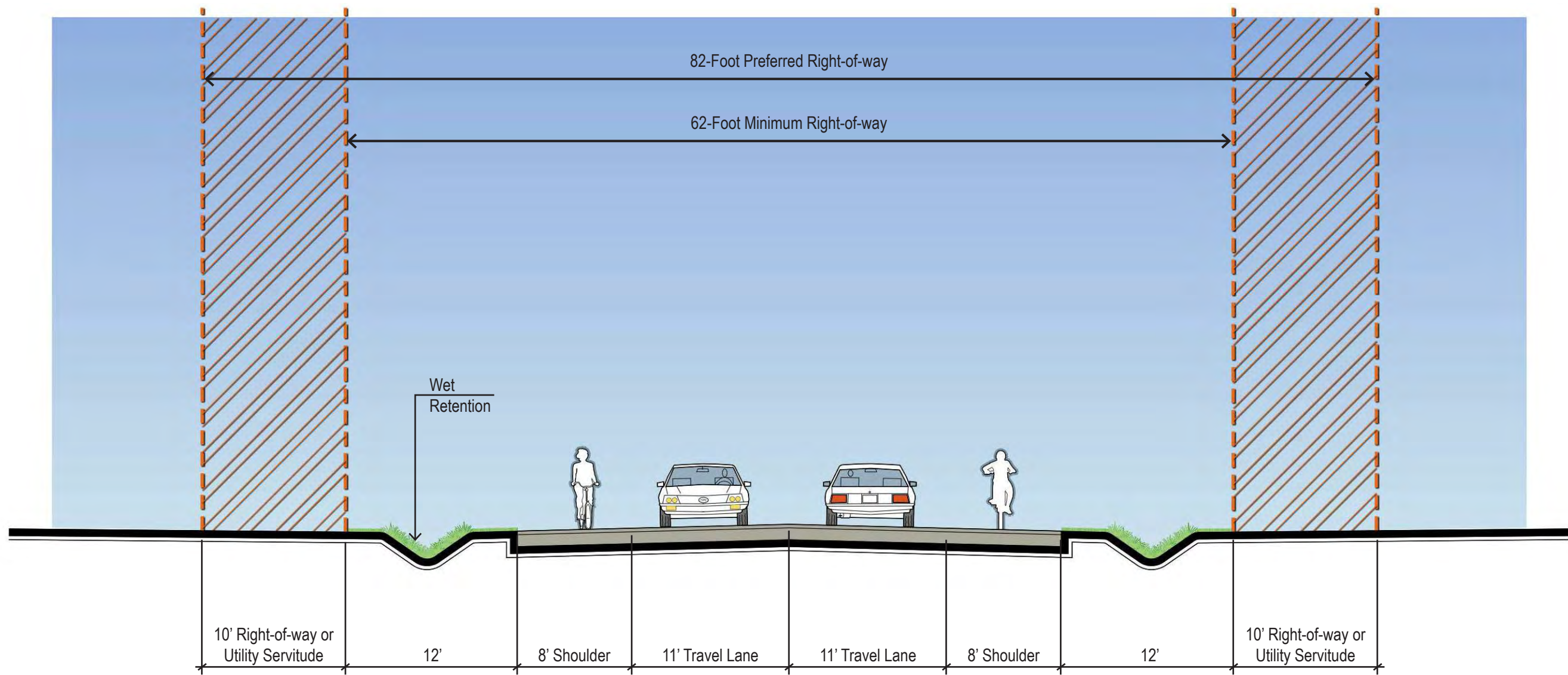
Minimal residential or commercial right of way acquisitions are anticipated at this time.



PROJECT CONCEPT PLAN

The following pages provide a potential solution(s) for the proposed project. The project features and layouts, shown within the typical section(s) and concept plans, will be further refined through planning and design phases of the project.





RURAL 2-LANE

SCALE: 1/8" = 1'-0"







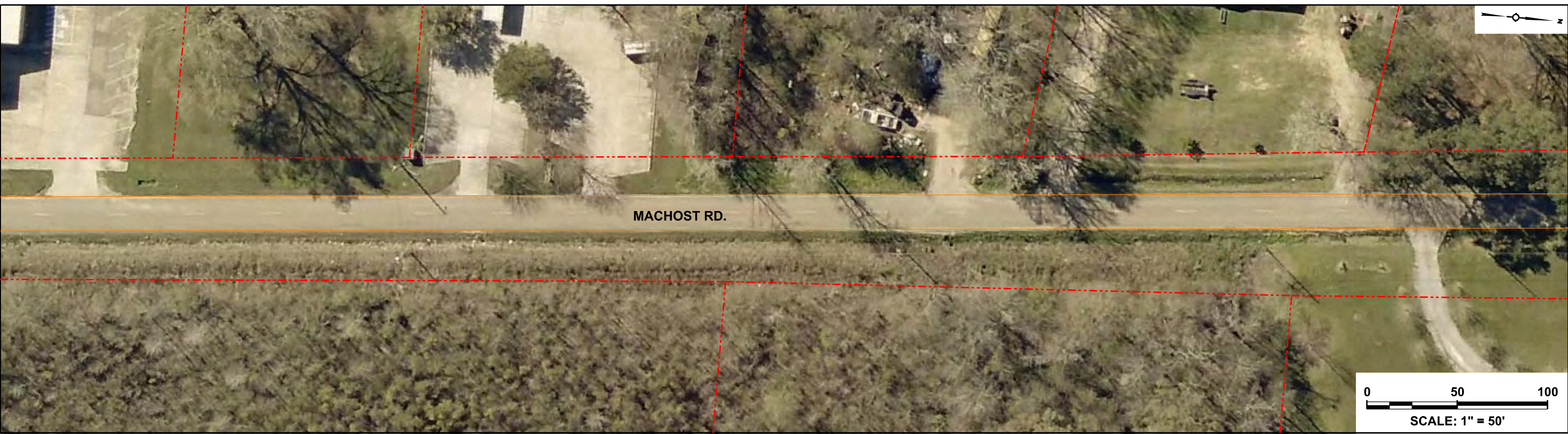
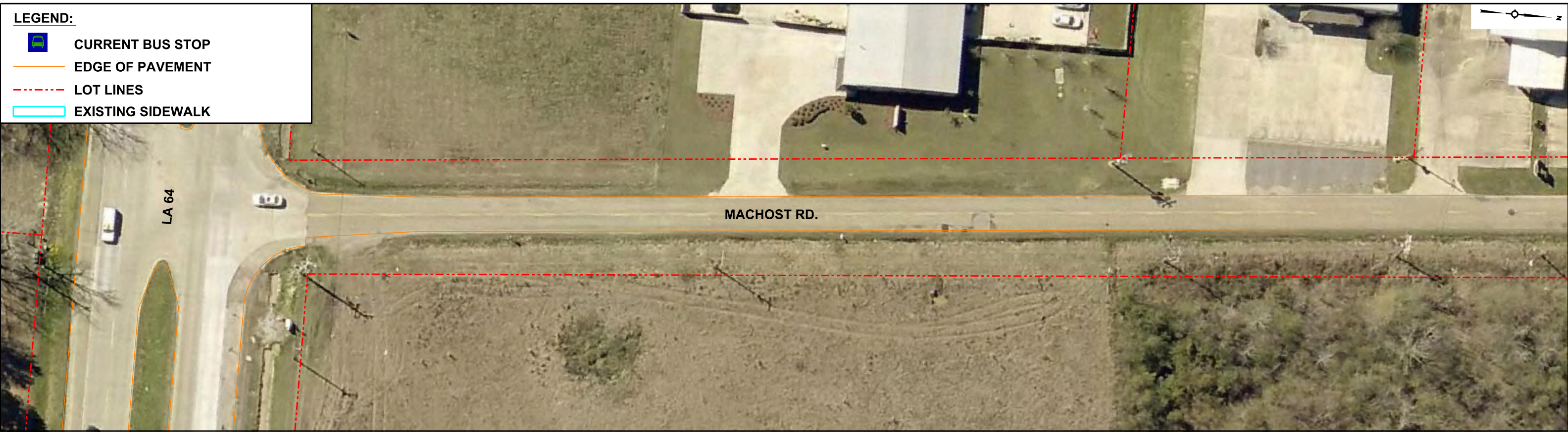
**MACHOST ROAD
TYPICAL SECTION**



Sheet No.
1 of 1
11/21/19

LEGEND:

-  CURRENT BUS STOP
-  EDGE OF PAVEMENT
-  LOT LINES
-  EXISTING SIDEWALK







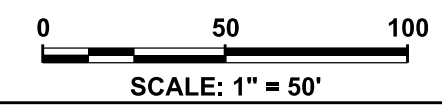
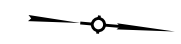
**MACHOST RD.
(LA 64 TO PRIDE-PORT HUDSON RD.)**



Sheet No.
1 of 8
11/21/19

LEGEND:

-  CURRENT BUS STOP
-  EDGE OF PAVEMENT
-  LOT LINES
-  EXISTING SIDEWALK







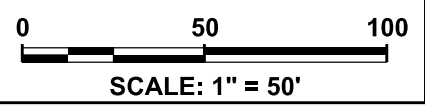
MACHOST RD.
(LA 64 TO PRIDE-PORT HUDSON RD.)



Sheet No.
2 of 8
11/21/19

LEGEND:

-  CURRENT BUS STOP
-  EDGE OF PAVEMENT
-  LOT LINES
-  EXISTING SIDEWALK







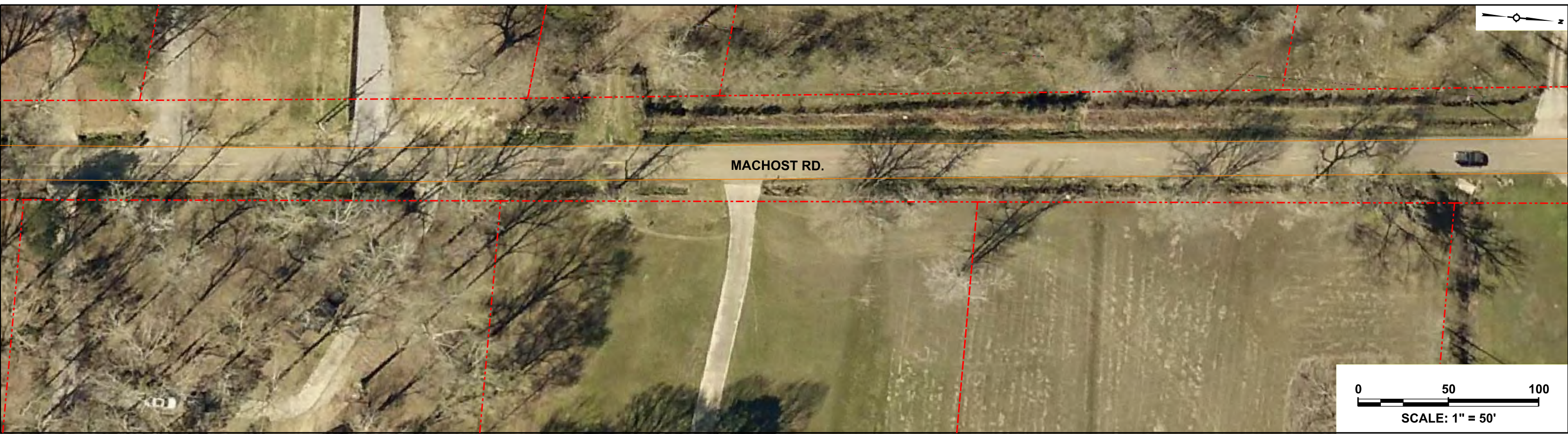
MACHOST RD.
(LA 64 TO PRIDE-PORT HUDSON RD.)



Sheet No.
3 of 8
11/21/19

LEGEND:

-  CURRENT BUS STOP
-  EDGE OF PAVEMENT
-  LOT LINES
-  EXISTING SIDEWALK







MACHOST RD.
(LA 64 TO PRIDE-PORT HUDSON RD.)



Sheet No.
4 of 8
11/21/19

LEGEND:

-  CURRENT BUS STOP
-  EDGE OF PAVEMENT
-  LOT LINES
-  EXISTING SIDEWALK







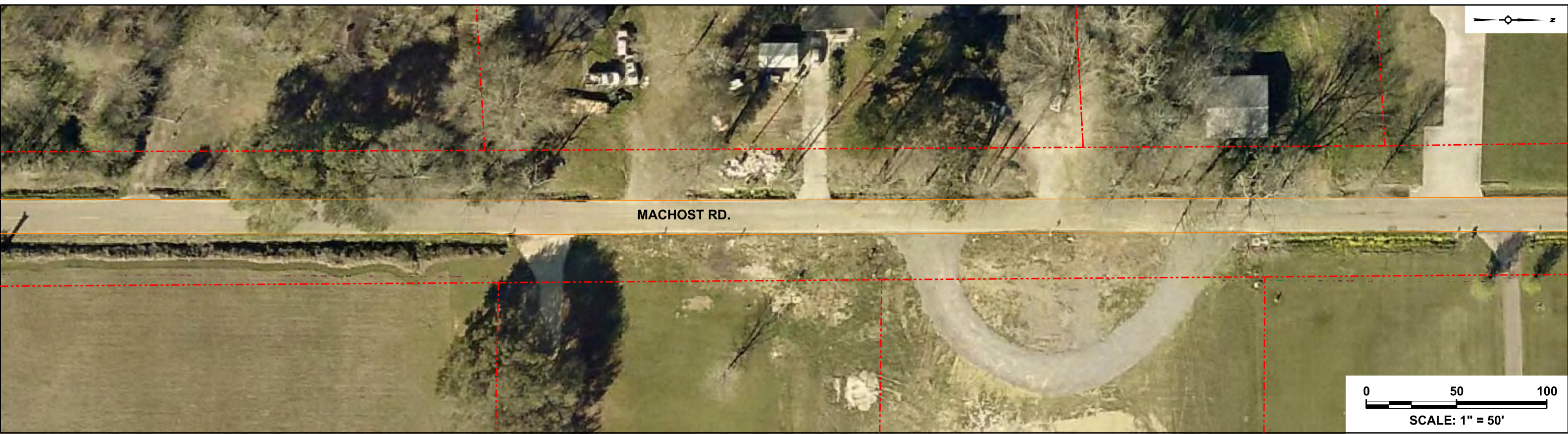
MACHOST RD.
(LA 64 TO PRIDE-PORT HUDSON RD.)



Sheet No.
5 of 8
11/21/19

LEGEND:

-  CURRENT BUS STOP
-  EDGE OF PAVEMENT
-  LOT LINES
-  EXISTING SIDEWALK







MACHOST RD.
(LA 64 TO PRIDE-PORT HUDSON RD.)



Sheet No.
6 of 8
11/21/19

LEGEND:

-  CURRENT BUS STOP
-  EDGE OF PAVEMENT
-  LOT LINES
-  EXISTING SIDEWALK



MACHOST RD.
(LA 64 TO PRIDE-PORT HUDSON RD.)



Sheet No.
7 of 8
11/21/19



MACHOST RD.
(LA 64 TO PRIDE-PORT HUDSON RD.)



Sheet No.
8 of 8
11/21/19