CITY of NOVI CITY COUNCIL

Agenda Item 1
June 3, 2019

SUBJECT: Approval of either Option 1, 2, or 3 for the action plan submission of the Safe Routes to School grant application.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

CITY MANAGER APPROVAL: ᑭᖇ

BACKGROUND INFORMATION:

The City has collaborated with the Novi Community School District (NCSD) to solicit funding from the Michigan Safe Routes to School (SRTS) grant program. Safe Routes to School is a federally funded program designed to encourage and enable children in grades K-8 to walk and bicycle to school. Over the last year, City staff has identified seven (7) school campuses in the NCSD as potential candidates for funding: Deerfield Elementary, Parkview Elementary, Novi Woods Elementary, Novi Meadows Elementary, Orchard Hills Elementary, Village Oaks Elementary, and Novi Middle School. Each school submitted a parent and student survey about the current challenges of walking to school.

Following the surveys, a multi-agency, district-wide walking audit was completed, public meetings were held, and a presentation was given to City Council at their regular meeting on April 15, 2019. City staff is now preparing to submit the final Action Plan Estimate for the SRTS program with three recommended options for City Council to review, choose, and approve.

Potential grant awards can be up to $200,000 per campus in infrastructure construction for a total of $1.4M district-wide (7 school campuses). The funds can be dispersed throughout the district and are not limited to a specific campus. The revised Action Plan Estimate Totals range from $258,000 to $1,197,000 depending on which option is selected. There are five school campuses that do not impact any residential property owners and two school campuses that include work within neighborhoods. Exhibits for each campus are included in the packet for reference.

The cost estimates for infrastructure construction along with specific scope options are as follows:

School campuses with no impact to neighborhoods:

Deerfield Elementary	**Scope - $5,000**
Novi Middle School	**Scope - $12,000**
Parkview Elementary	**Scope - $30,000**
Novi Meadows Elementary	**Scope - $5,000**
Novi Woods Elementary	**Scope - $70,000**
	Total $122,000

The two campus with potential neighborhood projects identified with specific scopes are outlined below. ADA upgrades and drainage work is included where necessary along all sites mentioned.

Orchard Hills Elementary:

Scope A – $715,000
5,800 total feet of 5'-wide sidewalk along on both sides of Borchart Drive and Tamara Street

Scope B – $77,000
600 total feet of 5'-wide sidewalk along on both sides of Tamara Street from Quince Road to School Campus

Scope C – $403,000
3,200 total feet of 5'-wide sidewalk along on both sides of Borchart Drive from Meadowbrook Road to Asphalt Connector Pathway* (*Silvery Lane and Borchart Drive)

Scope D – $391,000
3,100 total feet of 5'-wide sidewalk along on both sides of Tamara Street from Meadowbrook Road to School Campus

Village Oaks Elementary:

Scope A – $360,000
2,300 total feet of non-motorized network along Village Wood Road and Willowbrook Drive:
    250 total feet of 10'-wide carriage walk along the east side of Willowbrook Drive
    1,360 total feet of 5'-wide sidewalk on both sides of Village Wood Road from the east crossover to Willowbrook
    650 total feet of 10'-wide pathway along the south side of Village Wood Road from Cranbrooke Drive/Village Wood Road crossover

Scope B – $ 59,000
250 total feet of 10'-wide carriage (adjacent to curb) walk along the east side of Willowbrook Drive from Village Wood Road to Guilford Road

Any combination of project scope can be assembled as the grant submission option. Approval of any option is for grant submission only. Design engineering will only be initiated if the SRTS grant is awarded.

The three recommended options listed below are based on public meeting input, constructability, Right-of –Way and private property construction easements.
Input at the public meetings was:
- *Orchard Hills: 5 in favor, 6 opposed*
- *Village Oaks: 5 in favor, 9 opposed*

Option 1:

Five campuses with no neighborhood impact	$122,000
Orchard Hills (Scope A)	$715,000
Village Oaks (Scope B)	$ 59,000
Total Grant Submission	**$896,000**

Option 1 has the most neighborhood impact in Orchard Hills, which received reasonable support at the public meeting. Two property owners would be impacted in Village Oaks. It utilizes 65% of available grant funds.

Option 2:

Five campuses with no neighborhood impact	$122,000
Orchard Hills (Scope A)	$715,000
Village Oaks (Scope A)	$360,000
Total Grant Submission	**$1,197,000**

Option 2 has the most impact in neighborhoods but maximizes grant dollars (85% of available funds).

Option 3:

Five campuses with no neighborhood impact	$122,000
Orchard Hills (Scope B)	$ 77,000
Village Oaks (Scope B)	$ 59,000
Total Grant Submission	**$258,000**

Option 3 has the least impact in neighborhoods and is the least request for grant funding (less than 20% of available funds).

RECOMMENDED ACTION: Approval of Option _____ for the action plan submission of the Safe Routes to School grant application.

Deerfield Proposed Engineering E's

Deerfield Elementary Assumed
Walking Boundary

⭐ Deerfield Elementary School

ASSUMED Walking Boundary

Proposed Infrastructure
Improvements

(1) Install ADA compliant ramp
and cross walk pavement
markings

(1) Install ADA compliant ramp and cross walk pavement markings

Island Lake

Wixom Rd

Deerfield Elementary School

Deerfield Elementary Sc...

Glenwood Dr

Timber Trail

Wild

Novi Middle School

Map data ©2018 Google, Imagery ©2018 DigitalGlobe, U.S. Geological Survey, USDA Farm Service Agency

Novi Middle School Proposed Engineering E's
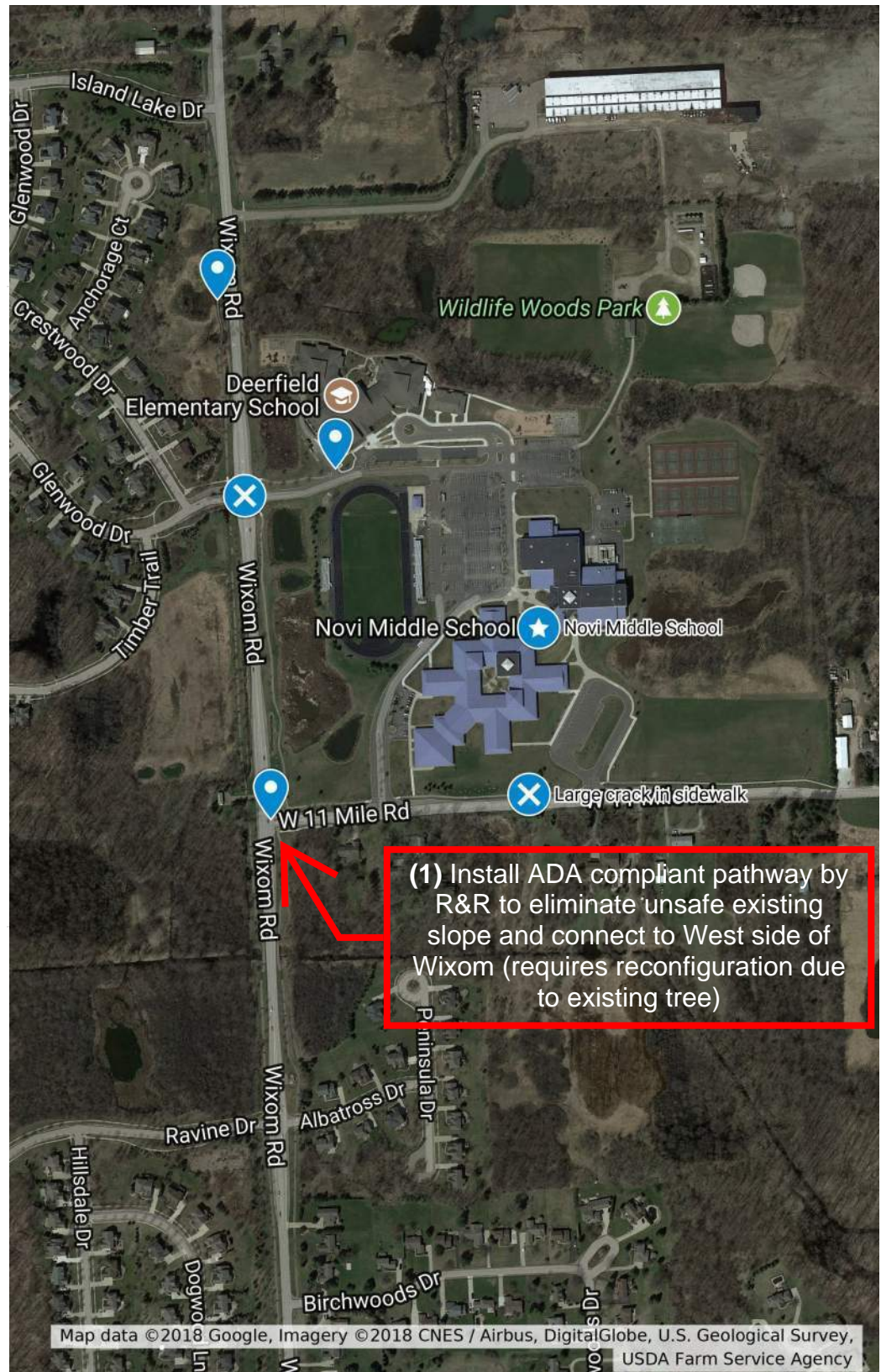
Novi Middle School Assumed Walking Boundary

⭐ Novi Middle School

ASSUMED Walking Boundary
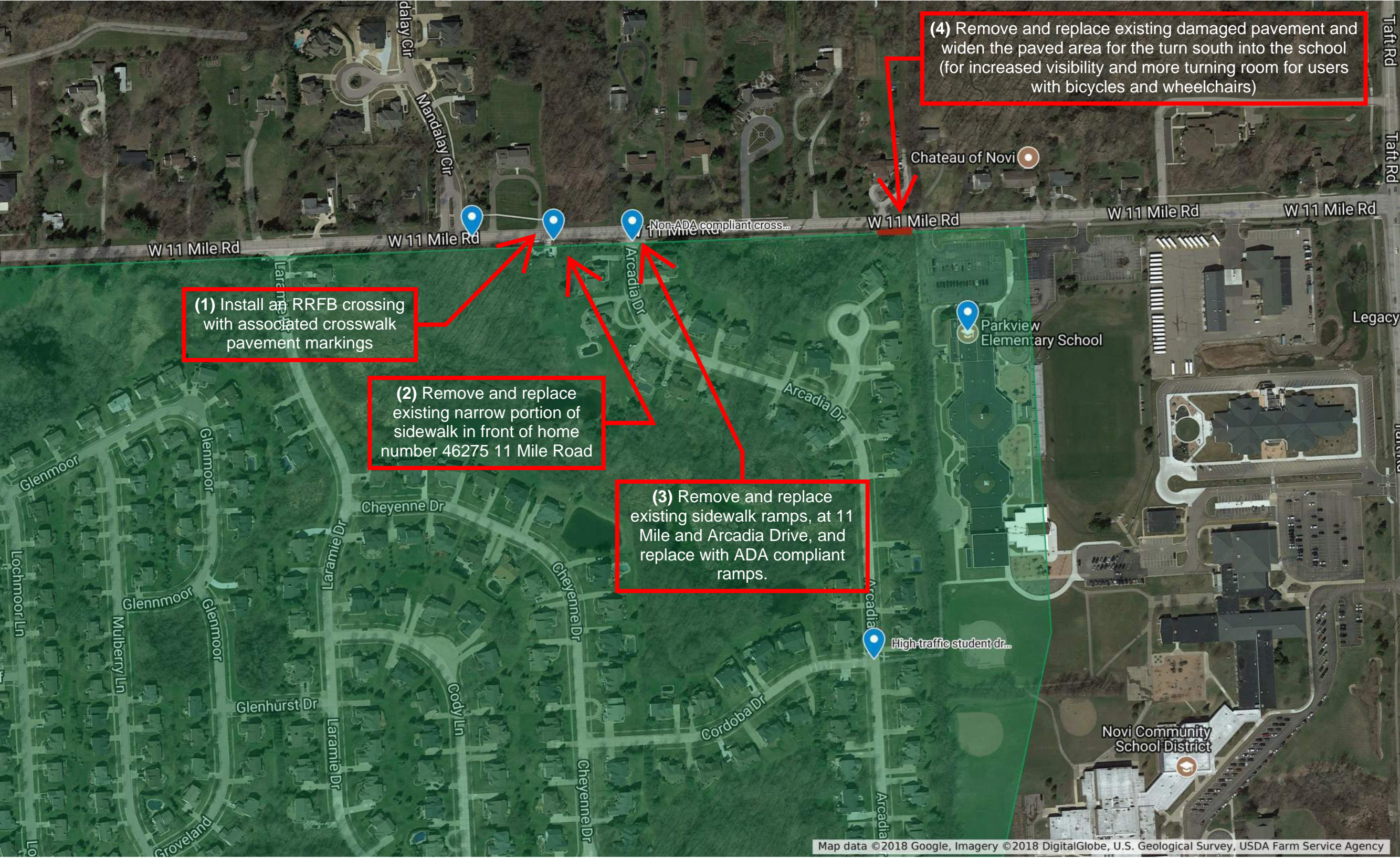

Proposed Infrastructure Improvements

(1) Install ADA compliant pathway by R&R to eliminate unsafe existing slope and connect to West side of Wixom (requires reconfiguration due to existing tree)

(Informational Note)
City of Novi will be installing an RRFB crossing for the ITC Pathway just East of the Middle School in Summer of 2019

Parkview Elementary Proposed Engineering E's

Parkview Walking Boundary

- Parkview Elementary School
- Parkview Walking Boundary

Proposed Infrastructure Improvements

(1) Install an RRFB crossing with associated crosswalk pavement markings

(2) Remove and replace existing narrow portion of sidewalk in front of home number 46275 11 Mile Road

(3) Remove and replace existing sidewalk ramps, at 11 Mile and Arcadia Drive, and replace with ADA compliant ramps.

(4) Remove and replace existing damaged pavement and widen the paved area for the turn south into the school (for increased visibility and more turning room for users with bicycles and wheelchairs)

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Parkview Elementary School

Chateau of Novi

Non-ADA compliant cross...

High-traffic student dr...

Novi Community School District

Map data ©2018 Google, Imagery ©2018 DigitalGlobe, U.S. Geological Survey, USDA Farm Service Agency

Novi Meadows Proposed Engineering E's

Proposed Infrastructure Improvements

(1) Install ADA compliant ramp and cross walk pavement markings

(2) Install ADA Ramps and cross walk at dead-end of street

Novi Woods Proposed Engineering E's
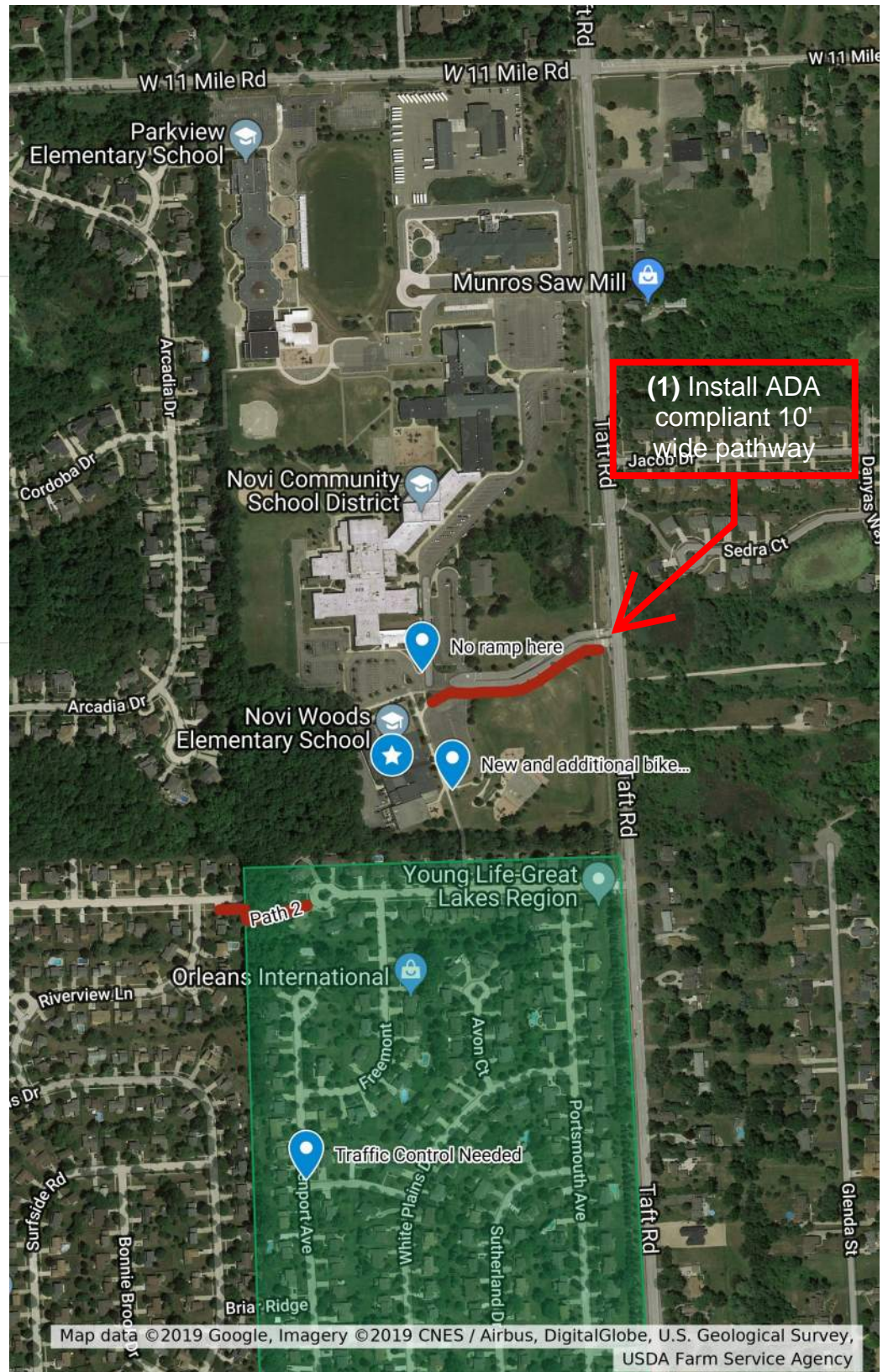
Novi Woods Walking Boundary

Novi Woods Elementary School

Novi Woods Walking Boundary

Proposed Infrastructure Improvements

(1) Install ADA compliant 10' wide pathway from existing pedestrian facilities along Taft Road to Novi Woods Elementary School

Orchard Hills Proposed Engineering E's

Orchard Hills Walking Boundary

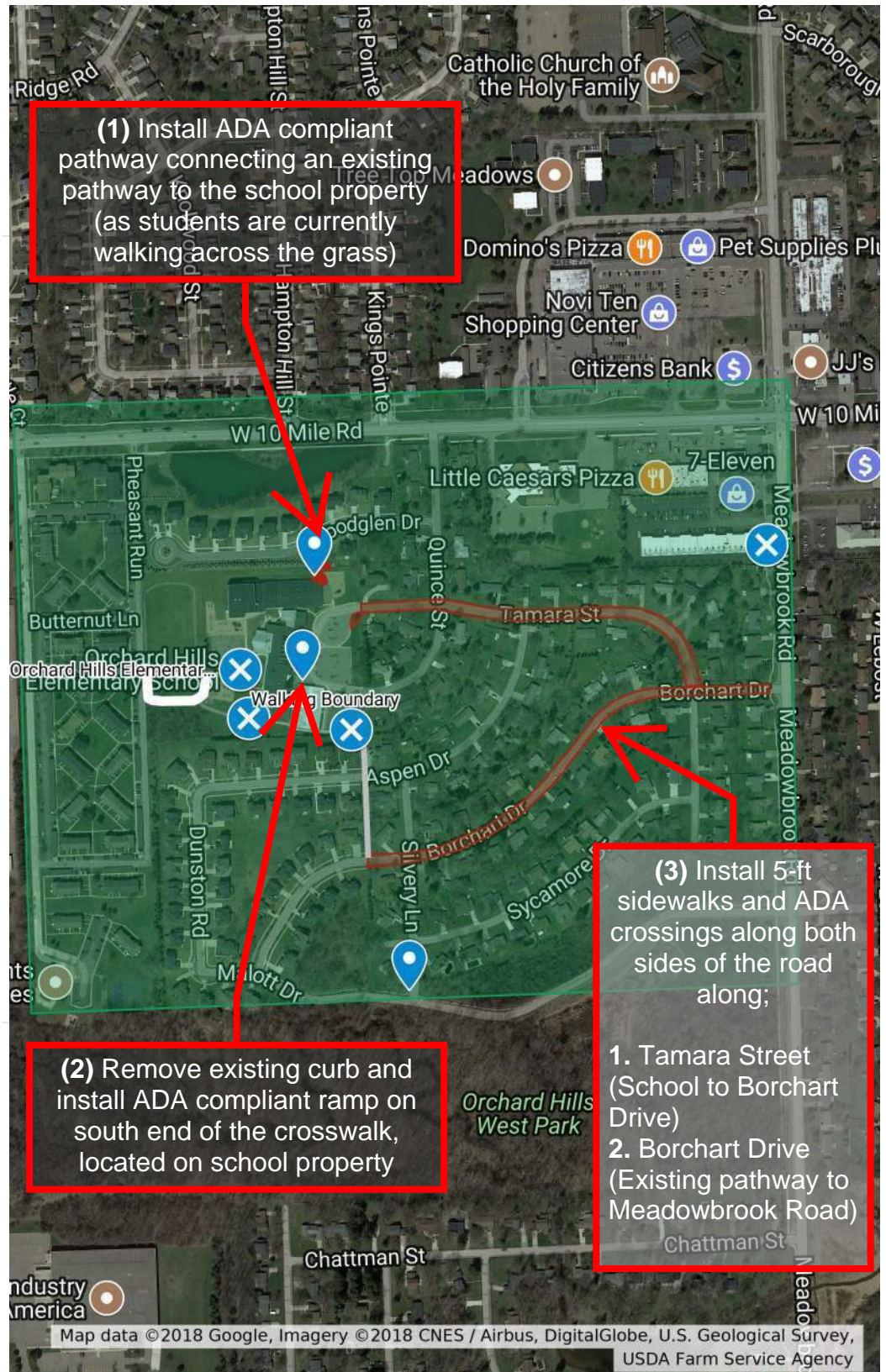❌ Orchard Hills Elementary School

🔷 Walking Boundary

Proposed Infrastructure Improvements

(1) Install ADA compliant pathway connecting an existing pathway to the school property (as students are currently walking across the grass)

(2) Remove existing curb and install ADA compliant ramp on south end of the crosswalk, located on school property

(3) Install 5-ft sidewalks and ADA crossings along both sides of the road along;

1. Tamara Street (School to Borchart Drive)
2. Borchart Drive (Existing pathway to Meadowbrook Road)

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Village Oaks Elementary Proposed Engineering E's

Village Oaks Walking Boundary

⭐ Village Oaks Elementary School

◇ Walking Boundary

◇ Open Ditches

(1) Install ADA crossings and 5-ft sidewalks on both sides (unless noted) of the roadway along the highlighted red portions on map:

1. Willowbrook Drive from Guliford to Cranbrooke Drive
2. Village Wood Road from Willowbrook Drive to Cranbrooke Drive

(2) Reconfigure crossings due to missing ADA ramp in the south west quadrant of this intersection (Guilford & Willowbrook) as an existing crosswalk dead-ends to grass
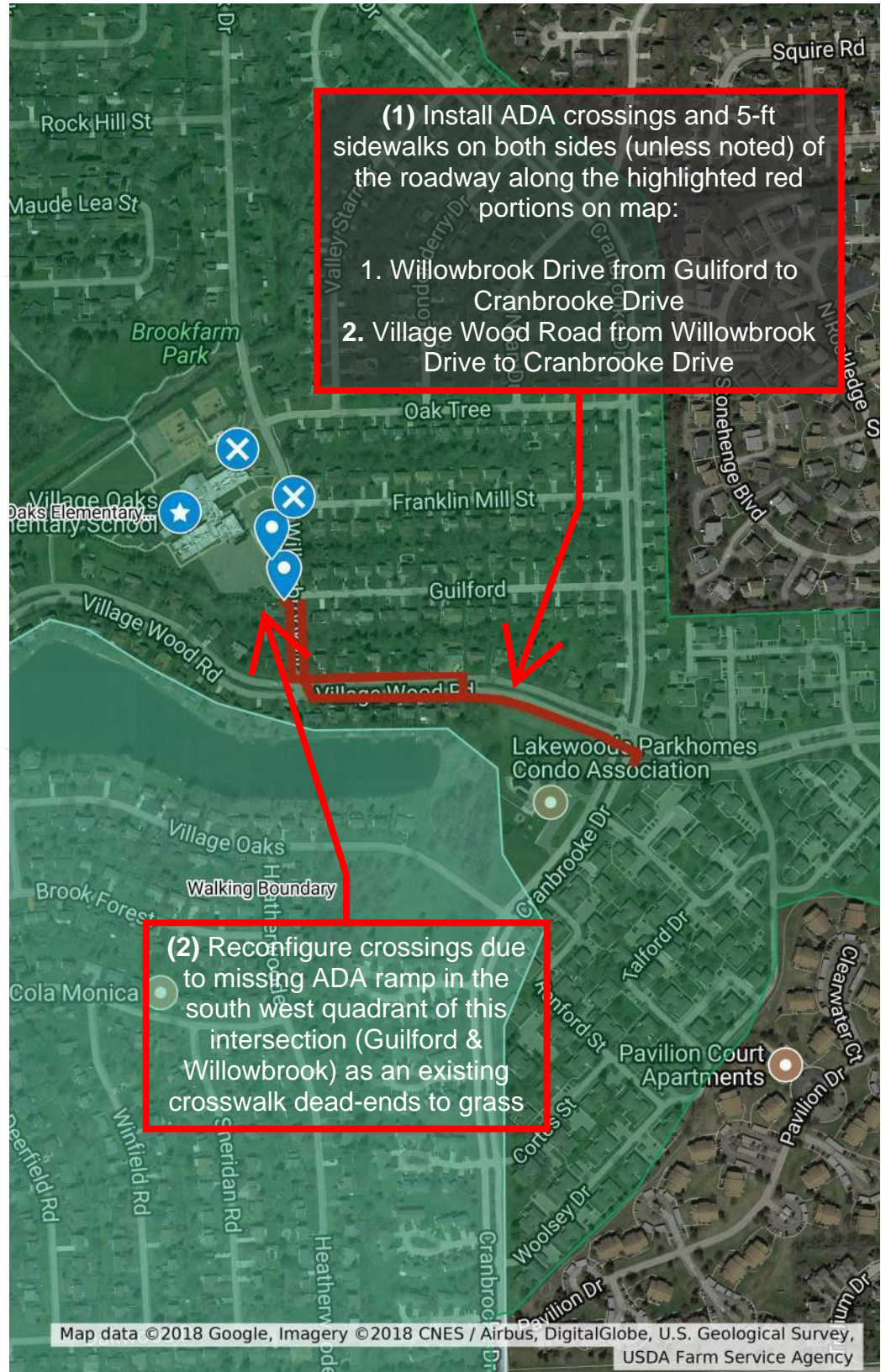
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