

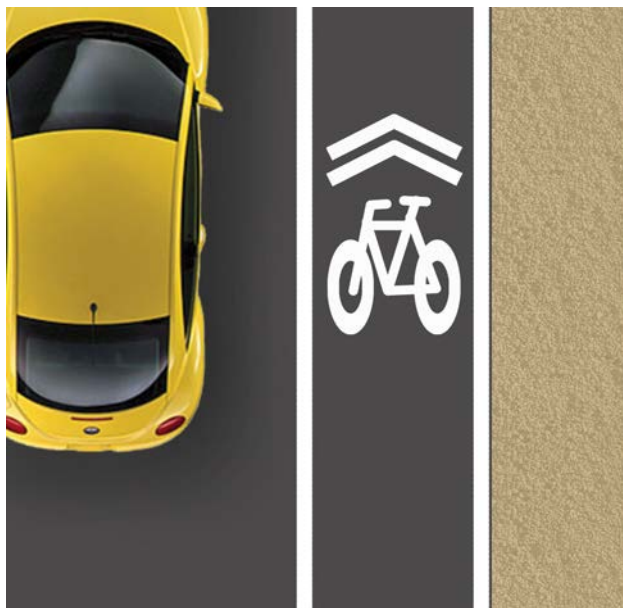
## 100% Walkability

Tabor has both an elementary and a junior-senior high school. The Fremont-Mills Elementary School is located just south of town on the east side of Highway 275. The Fremont-Mills Junior-Senior High School is situated on the same property as the elementary school. The high school has approximately 240 students who walk, bike, and ride the bus to class. The school grounds are also a popular destination because of the recreational amenities. There is a track and football/soccer field, softball field, and the Lied Gymnasium.

A major conflict for kids getting to school safely is crossing Highway 275. Highway 275 bisects Tabor and presents challenging elevation changes, speed limits, and sidewalks, hindering safe crossing potential. Currently, kids cross Highway 275 at Orange Street. They then travel south on East Street and continue south, walking in the street along Jackson Boulevard. There are sidewalks on Orange Street and partial coverage on East Street. With a continuous sidewalk or bike lane along East and Orange Streets, kids and residents alike can access the school confidently and safely.

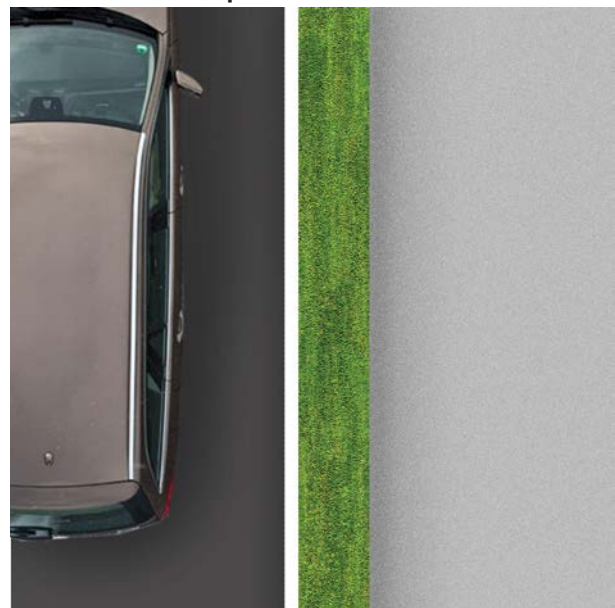
The ideal walking surface along East Street is a sidewalk. However, as you approach Jackson Boulevard, two different surface treatments can be utilized. A separate 8' path can be used to get pedestrians safely to the school. This path has some type of vegetated buffer between the street and the pedestrian. The other option is to incorporate bike lanes on either side of the road. The bike lanes must include pavement markings and signage.

Plan View of Bike Lane



street      5' wide bike lane      shoulder

Plan View of Separate 8' Path



street      planting buffer      8' walking path

## Design Expertise Recommended

Projects may require help beyond the capability of the Tabor Visioning Steering Committee or available city staff. For this improvement project, the committee should expect to engage the services of a Landscape Architect.

## Project Scope and Cost Opinion

The following cost opinion is based on contracted material and installation of improvements. These costs may be reduced with materials donated or provided at reduced cost and volunteer labor for appropriate projects. Area takeoffs, square footages, and linear footages used to calculate and quantify amounts are approximate. A site survey should be provided prior to the design and construction of the following projects to validate and verify the quantities shown in these cost opinions.

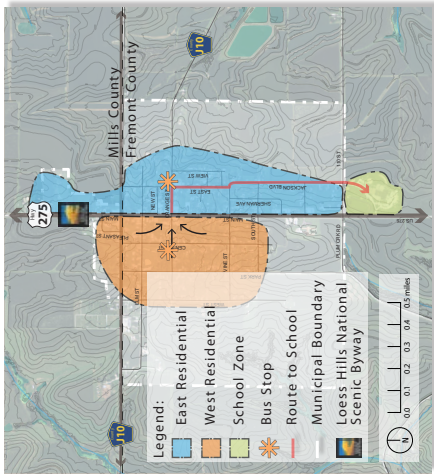
Abbreviations used in the following opinions of probable cost include:

ac = acre                      cf = cubic foot              cy = cubic yard              ea = each  
lf = linear foot              ls = lump sum              sf = square foot              sy = square yard

<b>100% Walkability (Safe Route To School)</b>					10/3/2012
<b>Orange Street (from Main Street to East Street) and East Street (from Orange Street to Vine Street)</b>					
<i>Description</i>	<i>Quantity</i>	<i>Unit</i>	<i>Unit Cost</i>	<i>Line Total</i>	<i>Totals</i>
<b>Site Demolition</b>					<b>\$11,460.00</b>
Existing Sidewalk Removal (1720 lf @ 4' Width)	764	sy	\$15.00	\$11,460.00	
<b>Site Sedimentation and Erosion Control</b>					<b>\$4,800.00</b>
Erosion Mitigation	1	ls	\$1,000.00	\$1,000.00	
Foot Traffic Control Fence	1900	lf	\$2.00	\$3,800.00	
<b>New Sidewalk</b>					<b>\$34,830.00</b>
Concrete Pedestrian Walkway (1,900 lf @ 6' Width)	11,400	sf	\$2.50	\$28,500.00	
Aggregate Base Course (11,400 sf @ 6" Depth)	211	cy	\$30.00	\$6,330.00	
<b>Signage</b>					<b>\$1,600.00</b>
Vehicular Signage	2	ea	\$800.00	\$1,600.00	
<b>Sub-Total</b>					<b>\$52,690.00</b>
<b>Contingency (15%) &amp; Design Fees (6%)</b>					<b>\$11,064.90</b>
<b>Total</b>					<b>\$63,754.90</b>

<b>Separate Path along Jackson Boulevard (from Vine Street to School Parking Lot)</b>					
Description	Quantity	Unit	Unit Cost	Line Total	Totals
<b>Site Demolition</b>					\$10,546.00
Remove Soil for Bike Lanes (24,120 sf @ 12" Depth)	894	cy	\$9.00	\$8,046.00	
Clearing and Grubbing	0.5	ac	\$5,000.00	\$2,500.00	
<b>Site Sedimentation and Erosion Control</b>					\$1,000.00
Erosion Mitigation	1	ls	\$1,000.00	\$1,000.00	
<b>Site Earthwork</b>					\$9,009.07
Rough Grading	5,033	sy	\$0.47	\$2,365.51	
Fine Grading	5,033	sy	\$1.32	\$6,643.56	
<b>Separate Path (Vine Street to South Street - West of Jackson)</b>					\$17,740.00
Concrete Pedestrian Walkway (725 lf @ 8' Width)	5,800	sf	\$2.50	\$14,500.00	
Aggregate Base Course (5,800 sf @ 6" Depth)	108	cy	\$30.00	\$3,240.00	
<b>Separate Path (South Street to School Parking Lot - East of Jackson)</b>					\$56,000.00
Concrete Pedestrian Walkway (2,290 lf @ 8' Width)	18,320	sf	\$2.50	\$45,800.00	
Aggregate Base Course (18,320 sf @ 6" Depth)	340	cy	\$30.00	\$10,200.00	
<b>Site Plant Material</b>					\$650.00
Prairie/ Wildflower Seed Mix (Buffer Area Between Street and Path)	1	ac	\$650.00	\$650.00	
<b>Site Amenities</b>					\$46,850.00
Vehicular/ Pedestrian Overhead Lighting	4	ea	\$10,000.00	\$40,000.00	
Vehicular/ Pedestrian Crossing Signage	4	ea	\$1,200.00	\$4,800.00	
Pedestrian Wayfinding Signage	2	ea	\$800.00	\$1,600.00	
Painted Crosswalk Markings	3	ea	\$150.00	\$450.00	
<b>Sub-Total</b>					\$141,795.07
<b>Contingency (15%) &amp; Design Fees (6%)</b>					\$29,776.96
<b>Total</b>					\$171,572.03
<b>Bike Lane along Jackson Boulevard (from Vine Street to School Parking Lot)</b>					
Description	Quantity	Unit	Unit Cost	Line Total	Totals
<b>Site Demolition</b>					\$6,590.00
Clearing and Grubbing	0.25	ac	\$5,000.00	\$1,250.00	
Remove Soil for Bike Lanes (15,075 sf @ 12" Depth)	560	cy	\$9.00	\$5,040.00	
Mailbox Relocation	3	ea	\$100.00	\$300.00	
<b>Site Sedimentation and Erosion Control</b>					\$1,000.00
Erosion Mitigation	1	ls	\$1,000.00	\$1,000.00	
<b>Site Earthwork</b>					\$5,996.50
Rough Grading (3,015 lf @ 10' Width)	3,350	sy	\$0.47	\$1,574.50	
Fine Grading	3,350	sy	\$1.32	\$4,422.00	
<b>Bike Lane (Vine Street to South Street - West of Jackson)</b>					\$12,092.50
Concrete Pedestrian Walkway (725 lf @ 5' Width)	3,625	sf	\$2.50	\$9,062.50	
Aggregate Base Course (3,625 sf @ 8" Depth)	101	cy	\$30.00	\$3,030.00	
<b>Bike Lane (South Street to School Parking Lot - East of Jackson)</b>					\$38,195.00
Concrete Pedestrian Walkway (2,290 lf @ 5' Width)	11,450	sf	\$2.50	\$28,625.00	
Aggregate Base Course (11,450 sf @ 8" Depth)	319	cy	\$30.00	\$9,570.00	
<b>Site Plant Material</b>					\$650.00
Prairie/ Wildflower Seed Mix (Right-of-Way Area)	1	ac	\$650.00	\$650.00	
<b>Site Amenities</b>					\$49,450.00
Vehicular/ Pedestrian Overhead Lighting	4	ea	\$10,000.00	\$40,000.00	
Vehicular/ Pedestrian Crossing Signage	4	ea	\$1,200.00	\$4,800.00	
Pedestrian Wayfinding/ Bike Lane Signage	4	ea	\$800.00	\$3,200.00	
Painted Crosswalk Markings	3	ea	\$150.00	\$450.00	
Painted Bike Lane Lines and Sharrows	1	ls	\$1,000.00	\$1,000.00	
<b>Sub-Total</b>					\$113,974.00
<b>Contingency (15%) &amp; Design Fees (6%)</b>					\$23,934.54
<b>Total</b>					\$137,908.54





Diagrammatic plan showing how Highway 275 splits Tabor in half

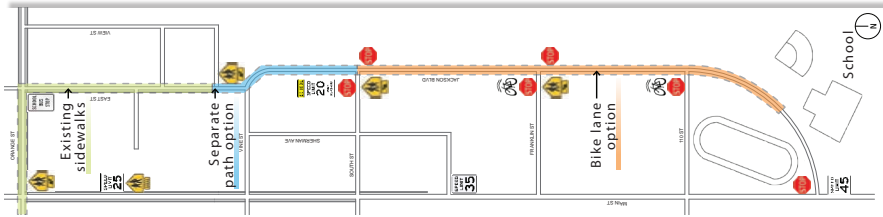
**Safe Route to School**

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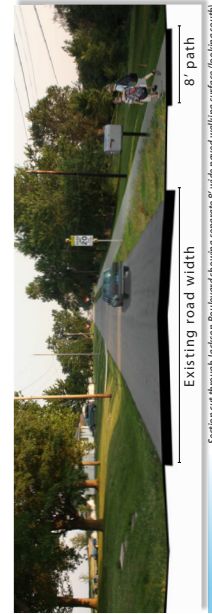
Perspective (looking south) on Jackson Boulevard with a marked bike lane for safe students travel



Signing the safe route to school



Perspective (looking south) on Jackson Boulevard with a separate path for safe pedestrian circulation



Section cut through Jackson Boulevard showing separate 8' wide paved walking surface (looking south)



Section cut through Jackson Boulevard showing 5' wide bike lane (looking north)

# Tabor

## 100% Walkability

Landscape Architect: David Stokes, ASLA, Eric Becker, PLA, Jeffrey L Bruce and Company LLC  
 LA Intern: Eric Doll, Jeffrey L Bruce and Company LLC  
 Iowa Department of Transportation    Trees Forever    ISU Landscape Architecture Extension    ISU Extension Community and Economic Development    Summer 2012