

# RPA 15

## TECHNICAL ADVISORY COMMITTEE MEETING

Friday, June 16<sup>th</sup>, 2023– 10:00am

Area 15 RPC Conference Room

224 E Second Street, Ottumwa

Or Microsoft Teams [Click here to join the meeting](#)

Or call in +1 323-433-2309 Phone Conference ID: 705 240 325#

### Roll Call:

\_\_\_ Jeff Skalberg Vice Chair (Wapello County Engineer)

\_\_\_ Sean Murphy (Oskaloosa Engineering Tech)

\_\_\_ Rick Tebbs (Wapello County Conservation)

\_\_\_ DeWayne Heintz. Chair (Jefferson County Engineer)

\_\_\_ Open (Enhancement rep from Keokuk County)

\_\_\_ Andrew McGuire, (Keokuk and Mahaska County Engineer)

\_\_\_ Larry Seals (Ottumwa Public Works Director)

\_\_\_ Chris Clingan (Mahaska County Conservation)

\_\_\_ Shawn Morrissey (Jefferson County Conservation)

\_\_\_ Kim Steele-Blair (Van Buren County Trails

\_\_\_ Ryne Thornburg (Van Buren County  
Engineer)

\_\_\_ Melanie Carlson (City of Fairfield Engineer)

\_\_\_ Ashley Utt (Regional Representative)

\_\_\_ Jay Allison (10-15 Transit Administrator)

### 1. Call to Order.

### Action Items

2. **Minutes.** Review/approve April 12<sup>th</sup>, 2023 minutes.

3. **New Applications and TIP Revisions.**

- a. **Ottumwa – North Court Street Reconstruction:** Applying for \$2,563,960 in SWAP funds for FY27 for a PCC reconstruction of N Court Street. Work will be between Park Ave and Vogel and include a bus lane by Horace Mann School and a multi-use path.
- b. **Fairfield - Bus 34 over West Crow Creek:** Applying for additional \$660,000 in SWAP funds for FY24 for the bridge replacement of the bridge over West Crow Creek. Project includes trail improvements.

4. **2024-2027 DRAFT Transportation Improvement Program.** Review/approve the TIP.

### Review Items

5. **Status updates on active STBG/SWAP and TAP projects.** Project sponsors may discuss the status of current projects.

### Other

6. **Next Meeting.** TBD

7. **Adjourn.**

If you are unable to attend this meeting, please contact Area 15 RPC by 10 AM June 15th, 2023 at [Chris.Kukla@area15rpc.com](mailto:Chris.Kukla@area15rpc.com). This courtesy will assist the RPC in determining if a quorum will be present. If it is determined that a quorum will not be present, the RPC can then advise other TAC members.

Minutes of the RPA 15 Technical Advisory Committee Meeting  
April 12<sup>th</sup>, 2023

TAC Committee Members Present:

Sean Murphy	Chris Clingan
DeWayne Heintz	Shawn Morrissey
Andrew McGuire	Ryne Thornburg
Larry Seals	Melanie Carlson
Ashley Utt	Jay Allison

Others Present

Chris Kukla – RPA 15	Kim Hellige – Wapello Co Trails
Missy Harwood – City of Keosauqua	

**Call to Order.** Ryne called the meeting to order at 10:02am.

**Action Items**

**Election of officers.** Thornburg made a motion to select Heintz as Chair, Skalberg as Vice Chair, McGuire seconded the motion. 9 voted aye, 1 nay; motion approved.

**Review of the minutes.** Seals made a motion to approve the minutes from June 8<sup>th</sup>, 2022, Allison seconded the motion. All present voted aye; motion approved.

**Status updates by 2022 TAP applicants.** No action taken.

**Keosauqua Lower Des Moines Water Trail :** Harwood told the TAC Keosauqua has Iowa Destination grant and local funds to complete project, will be ready to start in 2024 which is when project is programmed.

**Ottumwa Oxbow Lagoon Link Trail:** Seals told the TAC the city has started building along the Wapello Street Extension. Hellige said there are 35 parcels along the trail, 16 owned by city, trails council currently working on meeting with private landowners to secure easements. Applied for Wellmark grant in February.

**Jefferson County Cedar View Trail Paving:** Morrissey told the TAC Jefferson Co Conservation is having to wait as the Cedar View Trail is programmed in 2026 and most other grants if awarded want funds spent in a year or two, so it is early to apply. Also considering other options such as change of surface width or type if other grants unsuccessful.

**New Applications and TIP Revisions.**

**Ottumwa – Mary Street Reconstruction:** City originally applied and awarded \$2,055,354 to reconstruct Mary Street from Ferry to Shaul. Now applying for additional \$842,477 due to increased costs. Project scope is not changing. Programmed year will be moved to FY24 as letting is scheduled for December 23 or January 24. Allison made a motion to approve, Murphy seconded the motion. All present voted aye, motion approved.

**Wapello County – Kirksville Road:** County applying for \$1,200,000 for Kirksville Road from US 63/IA 163 north to Kirksville NCL. Project will be programmed in FY25. Seals made a motion to approve, McGuire seconded the motion. All present voted aye, motion approved.

**Wapello County – Monroe-Wapello Road:** County applying for \$1,500,000 for Monroe-Wapello Road from CP railroad tracks to US 34. Project will be programmed in FY25. Allison made a motion to approve, Seals seconded the motion. All present voted aye, motion approved.

**Van Buren County – J40:** County originally applied and awarded \$1,520,000 to resurface J40 from Davis CL to V64. Applying for additional \$351,607 in funding due to increased costs, project scope is not changing. Project will remain in FY23. Morrissey made a motion to approve, McGuire seconded the motion. All present voted aye, motion approved.

**Other**

**Status on active STBG/SWAP and TAP projects.**

Thornburg, precon on Friday for J40, begin work next week.

Heintz, Cedar Ave Bridge 50% complete.

Murphy, S 7<sup>th</sup> Street bid letting in June, working on accommodating 1 business.

**Next Meeting.** Tentatively June 14<sup>th</sup> @ 10am.

**Adjourn.** Seals made a motion to adjourn at 10:39am, Murphy seconded the motion. All present voted aye, motion approved.

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Chris Kukla, Area 15 RPC

**RPA 15 STBG/SWAP APPLICATION  
APPLICATION FORM**

**GENERAL INFORMATION**

Name of Applicant City of Ottumwa

Name of Sponsor \_\_\_\_\_

Contact Person Larry Seals

Mailing Address 105 E. 3<sup>rd</sup> St. Ottumwa, IA 52501

Phone Number 641-683-0680

**PROJECT INFORMATION**

Project Name (route/facility) North Court Street Length (miles) .38

Category  Construction  Reconstruction  Transit  Planning

Project Cost

Total Cost	STBG/SWAP Funds	Sub-Allocation	Local Funds	Other (source) ( )
\$3,204,950	\$2,563,960	\$	\$640,990	\$

Programming Year  FY24  FY25  FY26  FY27

**APPLICATION CHECKLIST**

*The following items must be included with the application:*

- Project Description
- Project Location Map
- Photographs of project area and conditions
- Response to Each Rating Criterion
- Detailed Cost Estimate
- Project Timeline
- Resolution from Sponsor

\_\_\_\_\_  
Signature of Chief Officer of Sponsoring Organization

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

TRAFFIC VOLUME			Maximum 20 Points:	
Annual Average Daily Traffic	Rural Project	Points (circle)	Urban Project	Points (circle)
Actual AADT:	2000+	10	10,000+	10
	1000+	9	5,000+	<b>9</b>
Source:	500+	8	2,000+	8
	100+	6	1,000	6
	50+	5	500+	5
Average AADT:	6200 DOT interactive map	Allow 1 pt. For each 10% above average	Percent Above Average _____	Points <b>9</b>

ROUTE CONTINUITY		Maximum 10 Points:	
Applicant must justify continuity in the project description		Regional	10 (Points)
		County/County	8
		City/County	8
		Intra County	5
		Intra City	<b>5</b>

TRUCK TRAFFIC		Maximum 10 Points:	
1 Point for each Rural % of truck traffic	_____ % Rural	_____ Points	
2 Points for each Urban % of truck traffic	<u>2</u> % Urban	<b>4</b> Points	
Source of truck traffic estimate: City of Ottumwa local count			

FEDERAL FUNCTIONAL CLASS		Maximum 20 Points:	
Rural and Small Municipalities	Points	Urban	Points
Principal Arterial	20	Principal Arterial	20
Minor Arterial	16	Minor Arterial	<b>16</b>
Major Collector	12	Collector	12
Minor Collector	8		

FACILITY CONDITION		Maximum 20 Points:	
Poor			20 (Points)
Below Average			<b>16</b>
Average			12
Above Average			8
Excellent			4

LONG RANGE PLAN GOALS		Maximum 20 Points:	
Maintains or improves the condition of the facility	Yes / No	4 (Points)	4
Improves safety, especially in areas with history of crashes	Yes / No	4	4
Reduces vehicle, freight, transit, rail, bicycle and pedestrian conflicts	Yes / No	2	2
Improve travel times or level of service	Yes / No	2	2
Improve connectivity between cities or regions	Yes / No	2	0
Benefits more than one agency	Yes / No	2	2
Supports job creation or retention (provides access to)	Yes / No	2	0
Promotes transit, bicycling and/or walking as transportation	Yes / No	2	2

TOTAL SCORE		Maximum 100 Points	
	Applicant	\$	<b>66</b>
	RPC Recommendation	\$	
	TOTAL	\$	
	Recommended Funding Level	\$	

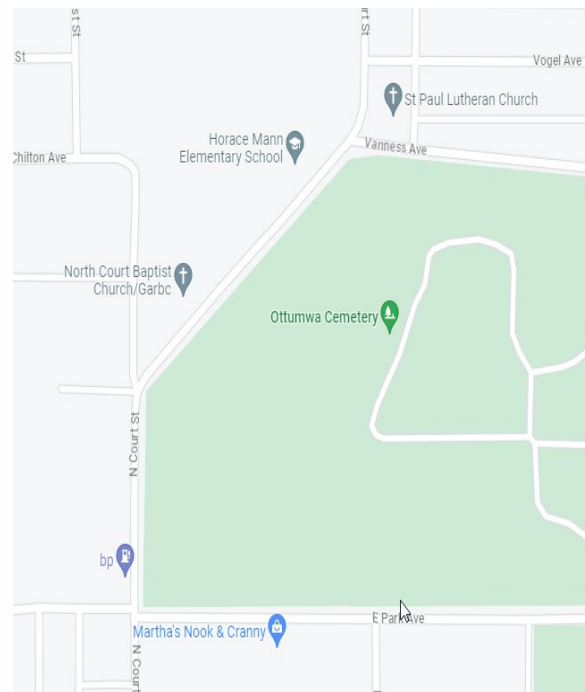
## PROJECT DESCRIPTION

Originally constructed as Highway 63, North Court Street is a major arterial two lane roadway that is the backbone for various arterial and collector streets (see attached map) that serves the north side residential area to the Downtown Commercial Business District. This section is 41' with parallel parking on both sides. It houses Horace Mann Elementary, as well as being in close proximity to James Elementary School and Indian Hills Community College.

This project will include the complete reconstruction of North Court Street from Park Avenue to Vogel Avenue. Sidewalk improvements will be made where needed, as well as constructing an 8' multiuse trail on one side as part of our "safe routes to school" program, as well as being part of the Ottumwa Trails long range plan to connect the north side to down town. The project will also include utility improvements including storm sewer installation and sanitary sewer repairs as needed. We will also be adding a 12' bus lane for pick up and drop off along the front of Horace Mann School.

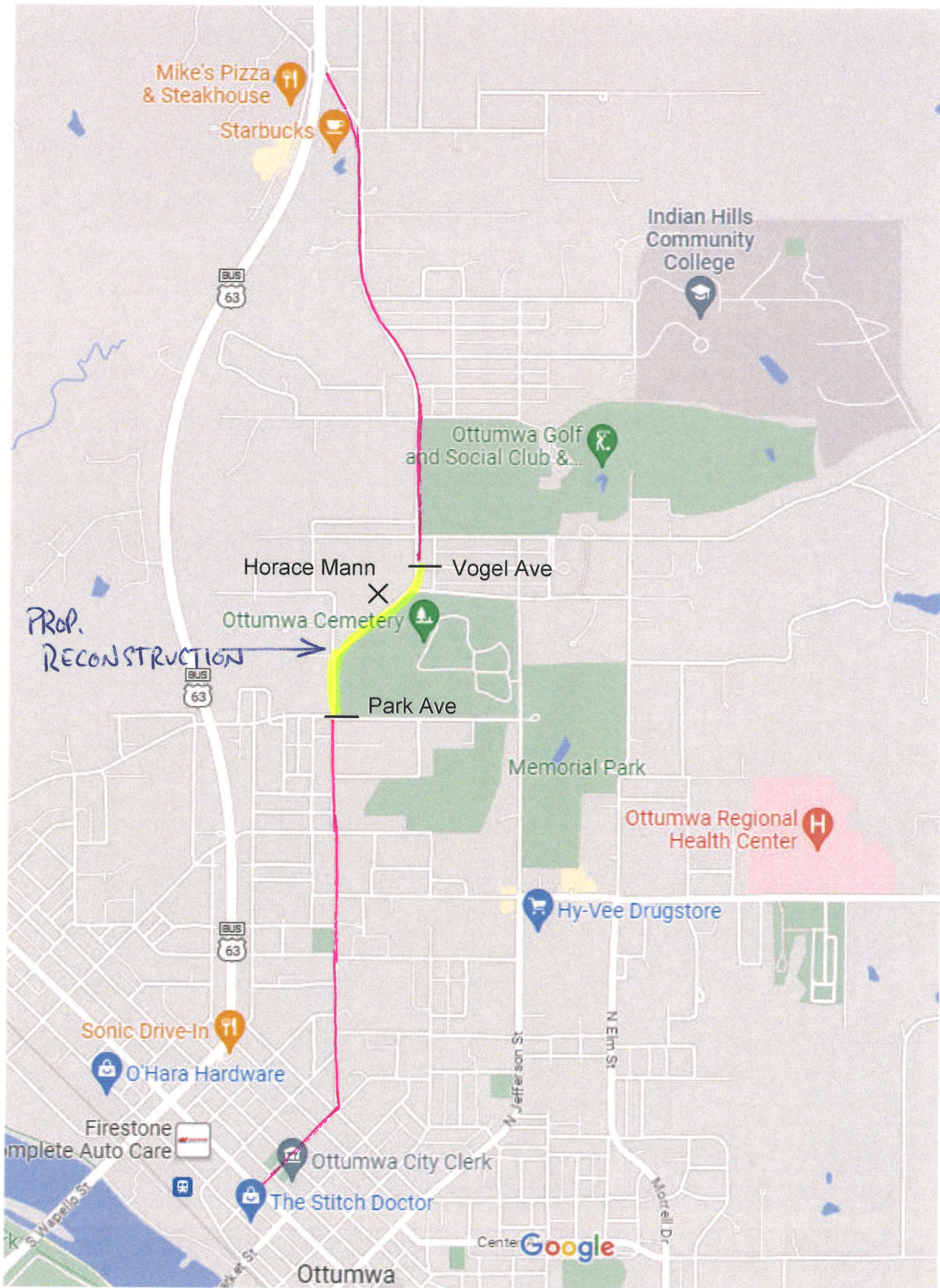
The Iowa Department of Transportation has traffic counts for this portion of North Court Street. The 2018 AADT count was 2,940 vehicles on this portion of North Court Street.

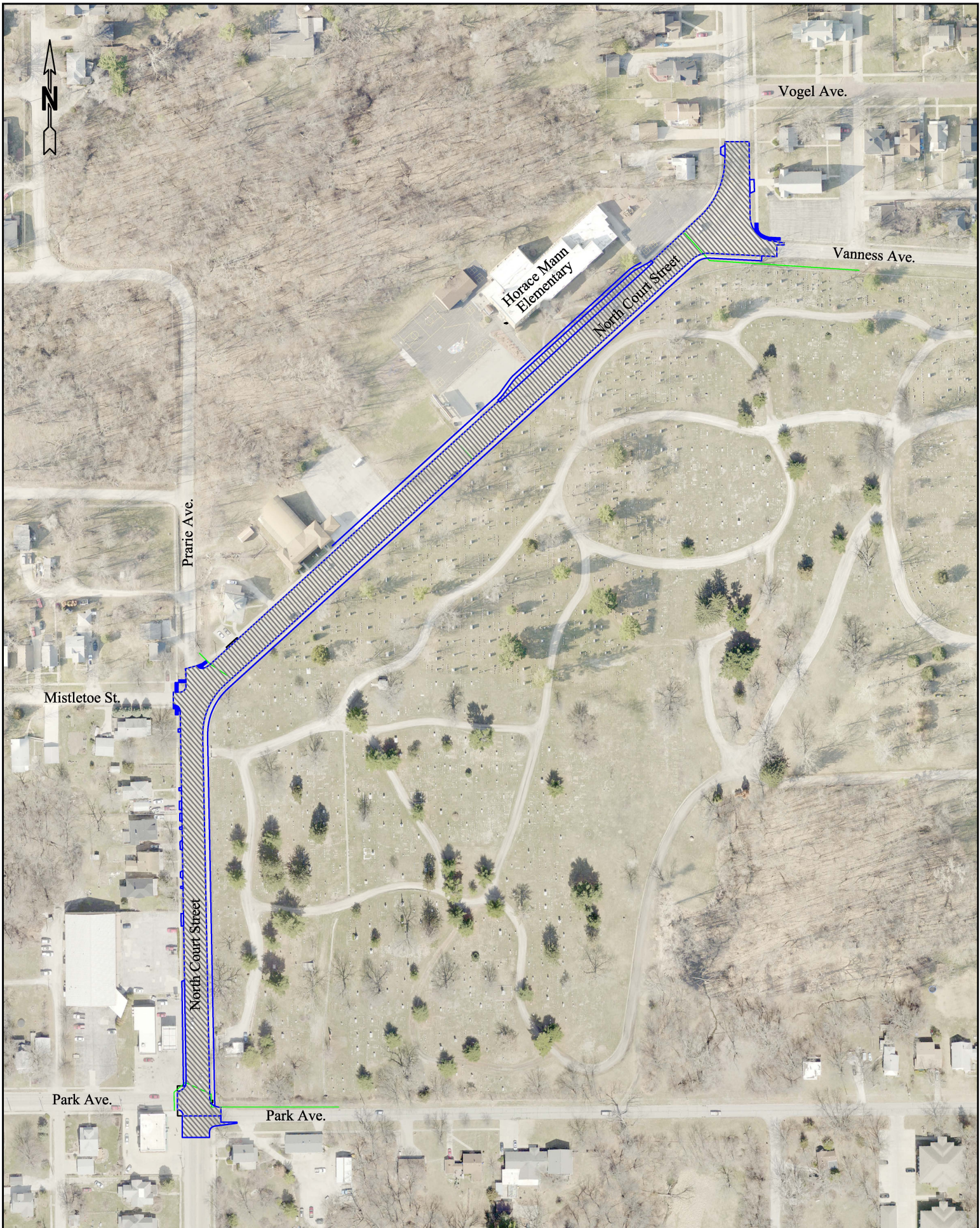
The reconstruction of North Court Street will help improve daily traffic flow as well as aid the accessibility of the downtown Business District to the surrounding residential community by both vehicular and pedestrian traffic.



Proposed Funding including Engineering costs:

<u>Federal (STP)</u>	<u>Local</u>	<u>Total</u>
\$2,563,960	\$640,990	\$3,204,950





Prarie Ave.

Vogel Ave.

Vanness Ave.

Horace Mann  
Elementary

North Court Street

Mistletoe St.

North Court Street

Park Ave.

Park Ave.



Photographs



North Court: This form of deterioration can be found throughout the project.



Failing gutterline. Pavement deterioration.



Existing Street Condition:



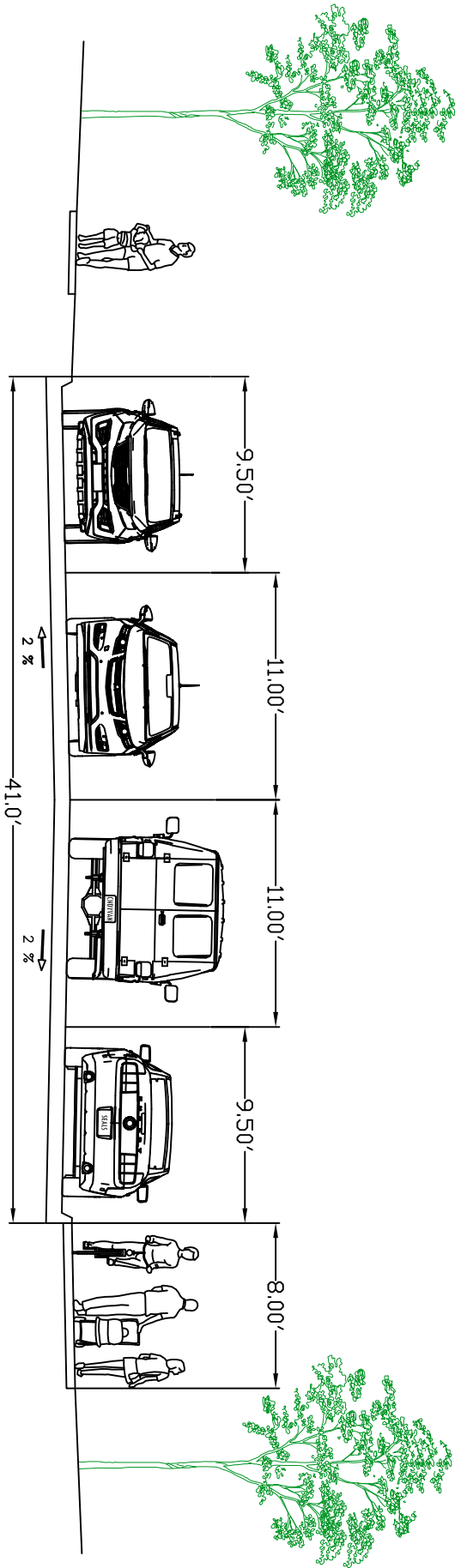
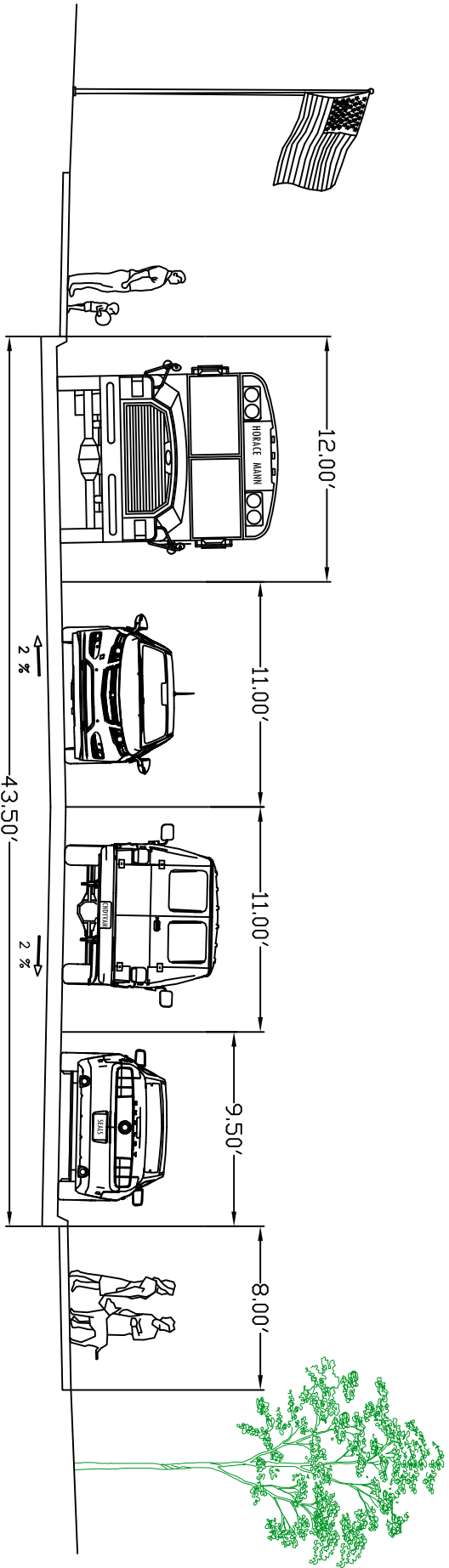
Existing pavement condition. Chip seal was added in the late 90's as an attempt to preserve the asphalt.



Gutterline failure, existing pavement condition.



Multiple patching attempts including HMA, and PCC. Failing Gutterline.



North Court Reconstruction  
 Engineers Estimate  
 3-27-2023 SM

North Court Reconstruction- Park to Vogel  
 North Court Sewer Separation-Park to Oakwood

Item No	Item Description	Unit	Quantity	Price	Total
1	TOPSOIL, FURNISH, HAUL AND SPREAD	CY	300	\$50.00	\$15,000.00
2	EXCAVATION, CLASS 10	CY	1825	\$15.00	\$27,375.00
3	SUBGRADE PREP	SY	12015	\$6.00	\$72,090.00
4	MODIFIED SUBBASE	SY	12015	\$12.50	\$150,187.50
5	STORM SEWER MANHOLE, SW-401	EA	3	\$7,500.00	\$22,500.00
6	STORM SEWER, TRENCHED, 15" RCP	LF	2090	\$150.00	\$313,500.00
7	APRON, RCP, 15" W/FOOTING	EA	3	\$3,000.00	\$9,000.00
8	EROSION STONE, CLASS D	TN	40	\$70.00	\$2,800.00
9	SUBDRAIN, STD. PERFORATED 4"	LF	5315	\$10.00	\$53,150.00
10	SUBDRAIN OUTLET, (4040.233)	EA	13	\$300.00	\$3,900.00
11	SANITARY SEWER MANHOLE, SW-301	EA	15	\$2,500.00	\$37,500.00
12	SANITARY SEWER 18"	LF	2230	\$105.00	\$234,150.00
13	SINGLE GRATE INTAKE, SW-501	EA	9	\$5,500.00	\$49,500.00
14	SINGLE GRATE INTAKE WITH MANHOLE, SW-503	EA	12	\$7,500.00	\$90,000.00
15	REMOVE MANHOLE OR INTAKE	EA	32	\$1,500.00	\$48,000.00
16	REMOVE SAN OR STORM PIPE <36"	LF	2616	\$45.00	\$117,720.00
17	WATER SERVICE STUB, 3/4"	EA	11	\$1,800.00	\$19,800.00
18	WATER SERVICE STUB, 2"	EA	2	\$2,250.00	\$4,500.00
19	PCC PAVEMENT, CL C, CL 3, 8"	SY	11255	\$80.00	\$900,400.00
20	REMOVAL OF PAVED DRIVEWAY	SY	330	\$15.00	\$4,950.00
21	REMOVAL OF SIDEWALK	SY	1960	\$15.00	\$29,400.00
22	SIDEWALK, PCC 6"	SY	1015	\$85.00	\$86,275.00
23	DRIVEWAY, PCC 6"	SY	345	\$85.00	\$29,325.00
24	DETECTABLE WARNING	SF	250	\$60.00	\$15,000.00
25	MULTIUSE TRAIL, 8' WIDE, 6" THICK	SY	1890	\$115.00	\$217,350.00
26	CONCRETE MEDIAN	SY	11	\$300.00	\$3,300.00
27	REMOVAL OF PAVEMENT	SY	11115	\$15.00	\$166,725.00
28	PAINTED PAVEMENT MARKINGS DURABLE	STA	6	\$300.00	\$1,800.00
29	PAINTED PAVEMENT SYMBOLS DURABLE	EA	5	\$750.00	\$3,750.00
30	TRAFFIC CONTROL	LS	1	\$10,000.00	\$10,000.00
31	SEEDING, FERTILIZING, & MULCHING	LS	1	\$6,500.00	\$6,500.00
32	EROSION CONTROL	LF	300	\$7.50	\$2,250.00
33	EROSION CONTROL REMOVAL	LF	300	\$2.50	\$750.00
34	MOBILIZATION	LS	1	\$25,000.00	\$25,000.00
35	TRENCH COMPACTION TESTING	LS	1	\$6,000.00	\$6,000.00
36	CONSTRUCTION SURVEY	LS	1	\$5,000.00	\$5,000.00
37	CONCRETE WASHOUT	LS	1	\$2,500.00	\$2,500.00
				<b>Total</b>	<b>\$2,786,947.50</b>
				<b>5% cont.</b>	<b>\$139,300.00</b>
				<b>10% eng.</b>	<b>\$278,700.00</b>
					<b>\$3,204,947.50</b>

## **PROJECT RATING CRITERIA**

### **Traffic Volume**

The Iowa Department of Transportation has three traffic counts in this corridor of North Court. Using the traffic counts from the Annual Average Daily Traffic (AADT) map shows an average of 6200 vehicles per day. *(Rating 9)*

### **Route Continuity**

This route directly connects the north side to the Down town business district. This project is located within the City Limits of Ottumwa. *(Rating 5)*

### **Truck Traffic**

The Ottumwa Engineering Department performed actual truck traffic count. Based on those counts, 2% of the traffic on North Court Street is truck traffic. *(Rating 4)*

### **Federal Functional Class**

This Street is classified as a Minor Arterial. *(Rating 16)*

### **Facility Condition**

(See Pictures). The street in this project area is in below average condition and shows many forms of deterioration. The street has been patched multiple times using different patching methods, (HMA and PCC) to try and extend the pavement life. A chip seal was applied in the late 90's but has long since reached its finish line. Many of the pavement failures can be attributed to a faulty water main. Ottumwa Water and Hydro has constructed a new water main along this entire corridor three years ago.

The extent of the pavement failure indicates that Full Width, Full Depth reconstruction with roadbed preparation will be required. *(Rating 16)*

### **Safety and Long Range Plan Goals**

In order to improve safety for pick up and drop off of Horace Mann Elementary students, we will be adding a bus lane along the north side of the street in front of the school. This will improve traffic flows during morning and afternoon commutes, as well as safety for the children getting on and off of the buses.

An 8' multiuse trail is planned along the south side of the corridor as part of the "Safe Routes to School" program and also as part of the Ottumwa Trails long range plan to connect the north side to the down town business district.

The street will be built using current design standards, and sidewalks/trails will be built to current ADA guidelines. *(Rating 16)*

**Total Score: 66**

# Request For Revision to the RPA 15 – Transportation Improvement Program

TIP Project Number: BHM-2465(629)—8K-51 Date: 6/7/2023  
BRM-SWAP-2465(629)—SD-51

Request for (Check One)  Administrative Modification  Amendment

Applicant Name: City or County of City of Fairfield

Address: 118 South Main

City: Fairfield Zip Code: 52556

Phone Number: 641-472-6193 Fax Number: \_\_\_\_\_

Contact Person: Melanie Carlson Title: City Engineer

Project Title: US 34/E Burlington Ave Bridge Replacement

Project Description and Type of Work: Bridge and Approaches

Location or Roadway: E Burlington Avenue (Business 34)

Distance: (indicated miles or feet) \_\_\_\_\_

Bridge Structure Number (6 digit Federal ID): 031340

Move Project from FY 24 To FY 25

Reason for Request: Delay of project due to other Fairfield project. Original application based 2021 costs. Engineers Estimated construction cost of \$1,800,000 is over programmed amount.

Funding:	Source	Current Amount	New Amount
Region 15 STP or TAP Funds .....		<u>\$140,000</u>	<u>\$800,000</u>
(Not to exceed 80% of total project funds)			
Other Federal Funds .....		<u>\$</u>	_____
Explain Bridge funds			
State Funds .....		<u>\$1,000,000</u>	<u>1,000,000</u>
Explain			
Local Match .....		<u>\$300,000</u>	<u>\$460,000</u>
(Not less than 20% of total project funds)			
TOTAL Project Funding .....		<u>\$1,440,000</u>	<u>\$2,260,000</u>

Date	CHECKLIST (RPA 15 to complete)
_____	Request received at RPA 15 Type of Request: _____ Modification _____ Amendment _____
_____	TAC Review _____ Recommended or _____ Rejected by TAC
_____	Policy Board Review _____ Approved or _____ Denied by Policy Board
_____	TIP revised or amended by RPA15
_____	Request STIP revision or amendment from DOT
_____	DOT approval of revision or amendment

**Estimated Project Costs  
Crow Creek Bridge Replacement  
June 2023**

Item	Description	Quantity	Unit	Unit Cost
1	Crow Creek Bridge - Estimated Construction	1	L.S.	\$ 1,760,000.00
2	Contingency	1	L.S.	\$ 76,000.00
3	Preliminary Design	1	L.S.	\$ 47,500.00
4	Final Design	1	L.S.	\$ 126,500.00
5	Land Acquisition	1	L.S.	\$ 50,000.00
6	Engineering During Construction	1	L.S.	\$ 200,000.00
<b>TOTAL ESTIMATED PROJECT COSTS</b>				

Funding		
FY 22 LOST		\$ 137,000.00
FY 23 RUT		\$ 263,000.00
FY 25 RUT		\$ 60,000.00
Federal Bridge Funds		\$ 1,000,000.00
STBG		\$ 800,000.00