Application for Bipartisan Infrastructure Law Surface Transportation Block Grant Program Funding

for the Iowa City Urbanized Area



Metropolitan Planning Organization of Johnson County February 01, 2023





The following information must be provided for all Surface Transportation Block Grant project proposals and will be provided to the MPOJC Transportation Technical Advisory Committee (TTAC) and Urbanized Area Policy Board for evaluation. MPOJC staff may contact you if additional information is required. You will have the opportunity to explain the project at a meeting of the MPOJC TTAC. MPOJC staff will score the projects; the TTAC may modify scores.

Genera	l Information						
MPO:	Metropolita	n Planning Organization	of Jo	hnson County	e-mail:	emily	y-bothell@iowa-city.org
Eligible	Sponsor/Applicant Age	ency: City of North	Libe	rty			
Contact	Person (Name & Title)	Ryan Rusnak, A	AICP	, Planning D	irector		
Comple	te Mailing Address:	PO Box 77, 3 Quail	Cre	ek Court			
				Street Address a			
North I	Liberty	lowa			523	17	319-626-5747
City		State			Zip		Daytime Phone
		ganization is involved in thi d agency. (Attach an addition					person, mailing address, and wolved.)
Applica	nt Agency:				_ e-mail:		
Contact	Person (Name & Title)	<u> </u>					
Comple	te Mailing Address:						
				Street Address a	nd/or Box No).	
2000							P
City		State			Zip		Daytime Phone
Project	Information						
Project	Title: South Dub	uque Street Recons	tructi	on (Phase 2)		
Project 1	Description (i.e. numbe	r of proposed through lanes,	, turn 1	anes, and other co	ritical featu	ires):	
The project w	ould reconstruct/rehabilitate South	Dubuque Street within the City of North Li	berty from	just south of the East Ze	ller Street inters	ection to th	e roundabout at North Liberty Road. Existing
conditions inc	clude a two-lane asphalt roadway in	varying condition, with minimal gravel sho	ulders an	d open ditches. The recon	nstructed/rehabili	itated section	on would include two vehicle travel lanes, one
roundabout a	t a busy intersection and a five foo	it wide sidewalk along the urban section	(just sout	n of East Zeller Street to	just south of Ju	niper Stree	et). The existing multi-use trail would remain.
If this	project includes land	acquisition, how many ac	roc?				,
(approx	T T	acquisition, now many ac		Approximately 7,100 S	.F. (.16 acres)		
Project	Category Check	k all boxes that apply to inc	dicate	the categories tl	hat best de	escribe	your project.
Troi	ls and Diavalos		Dog	dways and Brids	205		
×	Is and Bicycles Facilities for pedestrians		X	Construction, reh	abilitation, p		tion, or operational
	including safe routes for Conversion and use of ab		П	improvements of			ruction, rehabilitation, or
	corridors	andoned failway	П	preservation	ients ineruai	ing consi	ruction, renamination, or
Scen	ic and Historic		Env	ironmental			
	Construction of turnouts, viewing areas	overlooks and		Vegetation manag	gement prac	tices in	transportation rights-of-way
	Inventory, control, or renadvertising	noval of outdoor	x	Highway related	stormwater	managei	ment
	Historic preservation and historic transportation fac			Reduction of vehi habitat connective		wildlife	mortality or restoration of
	Archaeological activities from another eligible act			Other	e010		

Estimated Project Costs

Other (please specify) Applican Applicant Local M	Land Cost Utility Relocation gn & Construction Engineering Construction Cost Indirect Cost (if applicable) Total Cost STBG Fund Request t Local Match (20% Minimum) Match Source (20% Minimum)	s s s s s s s s s	185000 190,000 750,000 3,355,000 4,480,000 2,240,000 2,240,000 Amount \$2,240,000	Assured or Anticipated (Date Anticipated) As Needed
Are any state funds invo	olved in this project?	Yes Not A	■ No Applicable.	
Are any other federal fu If yes, please explain th Not Applicable.	ands involved in this project? e source and conditions		Yes No	
Which of the following Turn lanes ITS/signalizatio Geometric impression Separated trail of Facilities to reduce Marked on-street Is a focus of the project history involving bicycle Will this project be ope	or wide sidewalk (8' or wider) [uce modal conflict (e.g. pedestret bike facility to address a safety concern at a lists or pedestrians? (refer to part to the public?	Exian hy	isting trail would remain which beacons, bulb-ou ersection or midblock, 8-21) No	■ Yes
Do you intend to charge			■ No	
If yes, how much? \$	Not applicable.			
What will it be used for	? Not applicable.			

Estimated Project Development Schedule January Calendar Year 2025 September Calendar Year 2026 Start Date Design Completion Date Start Date November Calendar Year 2025 July Calendar Year 2026 Land Acquisition Completion Date February Calendar Year 2027 November Calendar Year 2027 Construction Start Date Completion Date Has any part of this project been started? ☐ Yes No Not applicable. If yes, explain: **Documentation and Narrative Information** The following documents and narratives must be attached to this application. In the upper right-hand corner of each document or narrative provide the corresponding letter shown below. A NARRATIVE assessing existing conditions, outlining the concept of the proposed project, and providing adequate project justification. Assess your project in regard to the transportation system relative to its functional relationship, proximity, or impact to an existing or planned transportation facility. If a regional project, assess the value of this project from a regional perspective and how it will be a functional addition to the transportation system and the region as a whole if no additional development funds are received. If a statewide or multi-regional project, assess the value of

- B. A DETAILED MAP identifying the location of the project and any known environmentally sensitive areas/features.
- C. A SKETCH-PLAN of the project; including a typical cross-section of transportation facilities.

this project from a statewide or multi-regional perspective.

- D. An ITEMIZED BREAKDOWN of the total project costs. This documentation does not need to be a detailed, lineitem type of estimate. However, it must accomplish two objectives: first, it must show the method by which the cost
 estimate was prepared; and second, it must enable a reviewer to determine if the cost estimate is reasonable. The
 manner in which these objectives are achieved may vary widely depending on the type, scope and complexity of the
 project. Absent a fully itemized list of costs, some general guidelines for possible methods of estimating each type of
 project cost are provided in Attachment A (page 9).
- E. An anticipated **TIME SCHEDULE** for the total project development. Funding for projects which fail to make satisfactory progress may be rescheduled or removed from the program by the Iowa Department of Transportation.
- F. An **OFFICIAL ENDORSEMENT** of the project from the authority to be responsible for its maintenance and operation. The authority must provide written assurance that it will adequately maintain the completed project for its intended public use for a minimum of 20 years following project completion.
- G. If applicable, a **LETTER OF SUPPORT** for the project from the scenic or historic byway board. The board's letter should also address the project's relationship to the byway's intrinsic qualities, how the project will have a statewide or multi-regional impact, and whether the project is included in the byway's current corridor management plan.
- H. A NARRATIVE discussing the public input process that was followed and the extent to which adjacent property owners and others have been informed of the proposed project and an assessment of their acceptance.
- I. A MINORITY IMPACT STATEMENT for the project.

The award of STBG funds and/or any subsequent funding or letting of contracts for design, construction, reconstruction, improvement, or maintenance; or the furnishing of materials shall not involve direct or indirect interest, prohibited by Iowa Code Sections 314.2, 362.5, or 331.342, of any state, county, or city official, elective or appointive. Any award of funding or any letting of a contract in violation of the foregoing provisions shall invalidate the award of funding and authorize a complete recovery of any funds previously disbursed.

Certification

To the best of my knowledge and belief, all information included in this application is true and accurate, including the commitment of all physical and financial resources. This application has been duly authorized by the participating local authority. I understand the attached OFFICIAL ENDORSEMENT(S) binds the participating authority to assume responsibility for adequate maintenance of any new or improved facilities.

I understand that, although this information is sufficient to secure a commitment of funds, an executed contract between the applicant and the Iowa Department of Transportation is required prior to the authorization of funds.

Representing the	City of	North Liberty		
Po	chi	Digitally signed by Ryan Heiar DN: I=North Liberty, st=IA, c=US, o=City of North Liberty - Iowa, cn=Ryan Heiar Date: 2023.02.22 16:07:34 -06'00'	2/22/2023	
		Signature	Date	
Ryan Hei	2/22/2023			
	Typed	Name and Title	Date	

South Dubuque Street is a minor arterial roadway within the City of North Liberty, which ultimately extends south into Iowa City. 2018 DOT traffic counts indicate 5,800 daily vehicle trips on Dubuque Street north of East Zeller Street. Dubuque Street is the more heavily travelled of two major roadways on the east side of North Liberty and the South Dubuque Street/Juniper Street intersection becomes problematic during peak times.

This project will reconstruct/rehabilitate South Dubuque Street from just south of the East Zeller Street intersection to the roundabout at North Liberty Road. The section of roadway is approximately 5,650 feet (1.07 mile) in length. Existing conditions include a two-lane asphalt roadway in varying condition, with minimal gravel shoulders and open ditches. There is an existing sidewalk along the west side adjacent all the developed residential properties which begins near Juniper Street. There is no sidewalk on the west side further south adjacent to the agricultural land. There is an existing multi-use trail on the east side along the full length of the project (8-foot wide adjacent to the agricultural land; 10-foot wide adjacent to the developed properties just south of Juniper Street).

Phase 2A of the project will provide a curb and gutter roadway with two vehicle travel lanes from the section south of East Zeller Street to south of Juniper Street. Improvements include reconstructing existing roadway pavement, a new roundabout at the Juniper Street intersection, a storm sewer system, and relocating overhead utilities underground. The project will also reconstruct the existing 4-foot wide sidewalk along the west of side of South Dubuque Street to 5-foot width. The South Dubuque Street/Juniper Intersection will have ADA compliant curb ramps and improved access to the existing multi-use trail along the east side of South Dubuque Street.

Phase 2B of the project will include a rural section roadway with two vehicle travel lanes from the section south of Juniper Street to the existing roundabout at North Liberty Road. Improvements include mill and overlay of existing roadway pavement, adding full-depth 4-foot-wide paved shoulders, and relocating overhead utilities underground.

The entire project will take place within existing right-of-way except for small acquisitions and easements, temporary and permanent, as needed for the roundabout, roadway grading, storm water accommodations, and placement of overhead utilities underground.

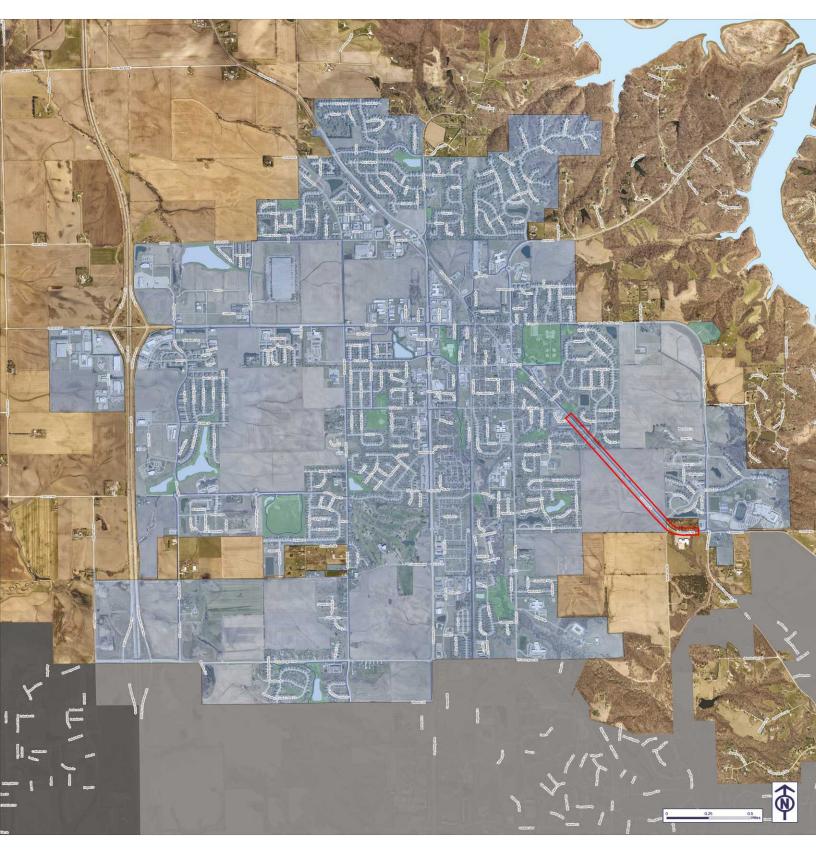
Features of the project:

- Utilize a combination of roadway reconstruction, rehabilitation, and intersection improvements to improve this key corridor and extend longevity of the infrastructure.
- Provide improved access to a significant regional roadway across a planned growth area which also provides direct access to Liberty High School and is a direct link to Coralville and Iowa City. The roadway is a key commuter link for jobs, retail, and education access.

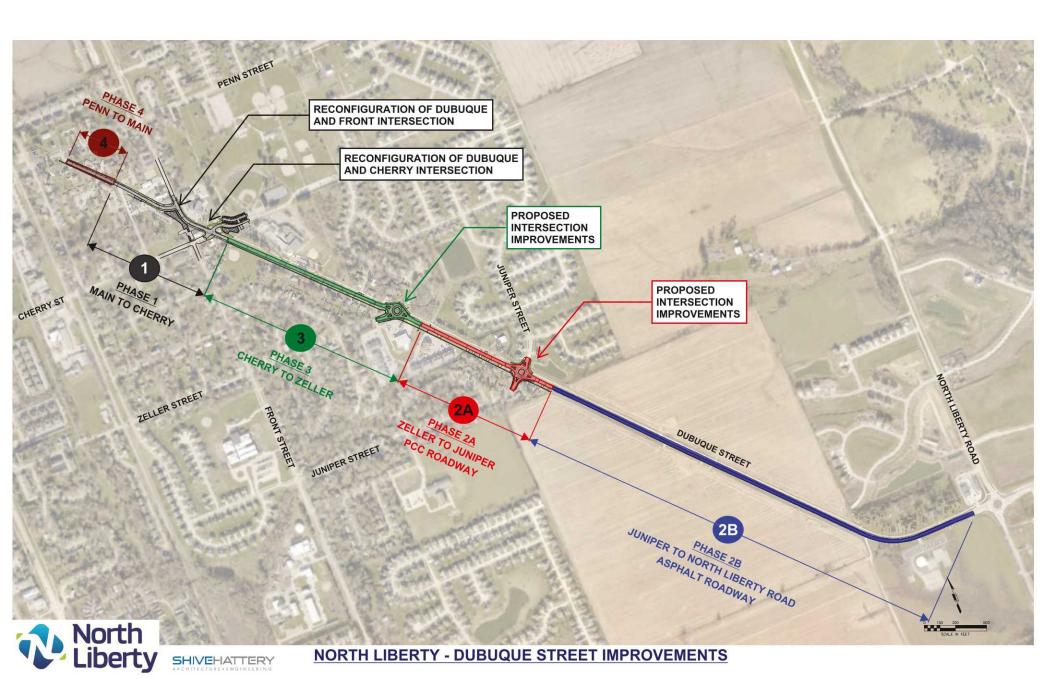
- Improves level of service by increasing capacity in the corridor.
- Enhances air quality by reducing congestion and vehicle idling.
- Local match is 50%.

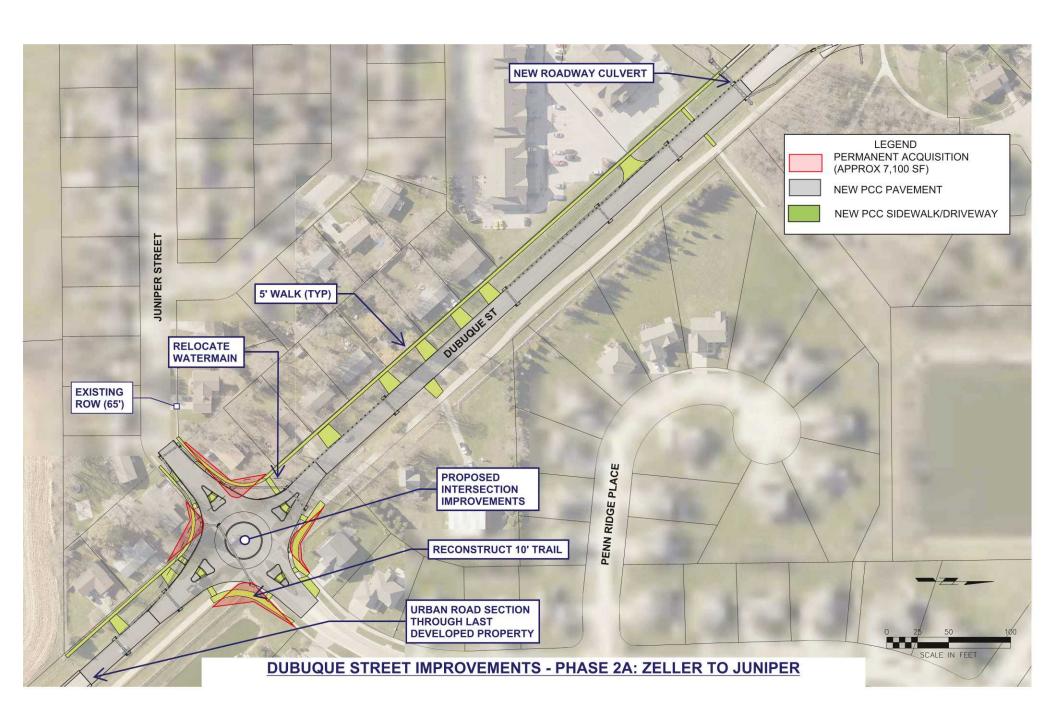
The City recently completed Dubuque Street Phase 1. The 3.5 million dollar project reconstructed and realigned North Dubuque Street/Front Street intersection and created two new parklets at the intersection of North Dubuque Street and West Cherry Street intersection. Notably, the realigned intersection created additional space for the new City Hall, which is currently under construction. The approved contract includes a significant urban open space adjacent to North Dubuque Street.

There are no known significant environmentally sensitive or culturally significant areas within this project corridor. Construction of the proposed improvements will take place mainly within the road right-of-way, and existing drainage patterns will be maintained.



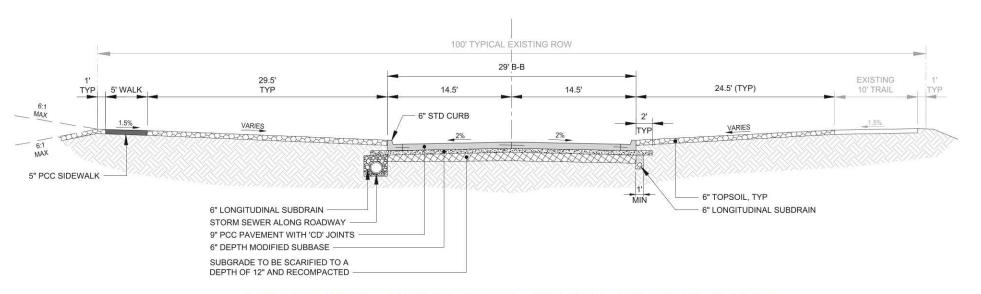
Project Limits



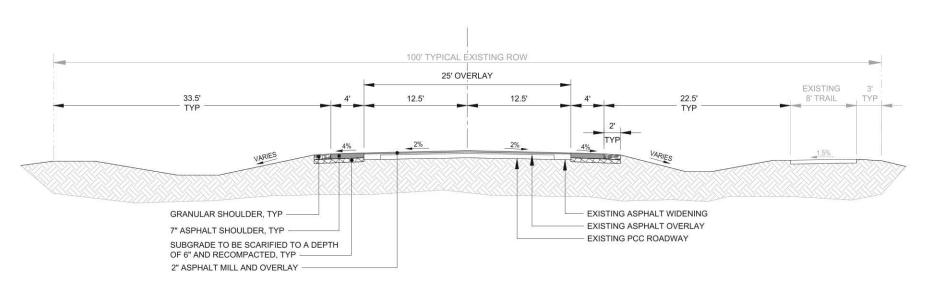




DUBUQUE STREET IMPROVEMENTS - PHASE 2B: JUNIPER TO NORTH LIBERTY ROAD



DUBUQUE STREET IMPROVEMENTS - PHASE 2A: ZELLER TO JUNIPER



DUBUQUE STREET IMPROVEMENTS - PHASE 2B: JUNIPER TO NORTH LIBERTY ROAD

2,075,000



DUBUQUE STREET IMPROVEMENTS - PHASE 2 OPINION OF ANTICIPATED CONSTRUCTION COSTS Concept Phase - February 2023

PHASE 2A: Replace existing 2-lane asphalt rural section roadway with 29-foot wide urban section PCC Roadway from Zeller to Juniper (approx. 1,400 linear feet), including Juniper intersection improvements (roundabout) and new 5-foot wide walk on west side of road

		Ĭ		UNIT		
ITEM	DESCRIPTION	UNIT	QUANTITY	COST	EXT	ENDED COST
1	CLEARING AND GRUBBING	UNIT	300	\$ 28	\$	8,400
2	EXCAVATION, CL 10, ROADWAY AND BORROW	CY	3,000	\$ 35	\$	105,000
3	TOPSOIL, IMPORT	CY	2,500	\$ 20	\$	50,000
4	MODIFIED SUBBASE	CY	1,410	\$ 55	\$	77,550
5	STD/S-F PCC PAVEMENT, CLASS C, CLASS 3, 9 INCH	SY	7,300	\$ 75	\$	547,500
6	MAILBOX RELOCATIONS	EACH	12	\$ 220	\$	2,640
7	INTAKE, SW-509	EACH	20	\$ 6,500	\$	130,000
8	INTAKE, SW-505	EACH	1	\$ 7,300	\$	7,300
9	SUBDRAIN, LONGITUDINAL, 6-INCH	LF	3,100	\$ 15	\$	46,500
10	SUBDRAIN OUTLETS	EACH	40	\$ 220	\$	8,800
11	STORM SEWER, RCP, 2000D (CIII) (SMALL)	LF	180	\$ 100	\$	18,000
12	STORM SEWER, RCP, 2000D (CIII) (LARGE)	LF	1,520	\$ 100	\$	152,000
13	REMOVAL OF CONCRETE	SY	7,100	\$ 10	\$	71,000
14	SIDEWALK, P.C. CONCRETE, 5-INCH (5-FOOT WIDE)	SY	1,300	\$ 75	\$	97,500
15	DETECTABLE WARNINGS	SF	280	\$ 95	\$	26,600
16	DRIVEWAY, P.C. CONCRETE, 6-INCH	SY	700	\$ 75	\$	52,500
17	WATER MAIN, C900, 6-INCH, REPLACE	LF	600	\$ 65	\$	39,000
18	FIRE HYDRANT ASSEMBLY	EACH	4	\$ 7,300	\$	29,200
19	GATE VALVE AND BOX, MJ, 6-INCH	EACH	4	\$ 3,600	\$	14,400
20	REMOVAL OF PIPE - STORM, SANITARY, WATER MAIN	LF	1,100	\$ 25	\$	27,500
21	SIGNAGE	LS	1	\$ 7,300	\$	7,300
22	PAINTED PAVEMENT MARKINGS, DURABLE	STA	120	\$ 145	\$	17,400
23	TRAFFIC CONTROL	LS	1	\$ 25,000	\$	25,000
24	TEMP GRANULAR DRIVES	TON	700	\$ 40	\$	28,000
25	UTILITY ADJUSTMENTS	LS	1	\$ 25,000	\$	25,000
26	TEMP PAVEMENT	SY	1,500	\$ 50	\$	75,000
27	LIGHTING - RBT	EACH	1	\$ 110,000	\$	110,000
28	LANDSCAPING - RBT	EACH	1	\$ 110,000	\$	110,000
29	MOBILIZATION	LS	1	\$ 110,000	\$	110,000
30	EROSION CONTROL AND SEEDING	ACRE	4	\$ 13,000	\$	52,000

DUACE 3D. Mill and avoide		a marrad abarridana fo	I Chun	to All Dood /onesessin	
PHASE 2B: Mill and overla	iy and add 4-foot wid	e paved snoulders ir	om Juniper Street	to NL Koad (approxin	lately 4,500 linear feet)

OPINION OF CONSTRUCTION COST - PHASE 2A

				UNIT		
ITEM	DESCRIPTION	UNIT	QUANTITY	COST	EXT	ENDED COST
1	PAVEMENT SCARIFICATION	SY	12,000	\$ 8	\$	96,000
2	HMA COURSE, 0.5-INCH THICK, LEVELING	TON	450	\$ 124	\$	55,800
3	HMA COURSE, 1.5-INCH THICK, SURFACE	TON	1,350	\$ 117	\$	157,950
4	MANHOLE / UTILITY ADJUSTMENTS	LS	1	\$ 10,500	\$	10,500
5	EXCAVATION, CL 13	CY	3,000	\$ 41	\$	123,000
6	4-FOOT WIDE HMA SHOULDER WIDENING, 7-INCH THICK	TON	1,530	\$ 115	\$	175,950
7	GRANULAR SHOULDER, TYPE B	TON	350	\$ 41	\$	14,350
8	PAINTED PAVEMENT MARKINGS, DURABLE (EDGE LINES AND CENTER)	STA	125	\$ 138	\$	17,250
9	FLAGGERS	DAY	25	\$ 700	\$	17,500
10	TRAFFIC CONTROL	LS	1	\$ 11,000	\$	11,000
11	MOBILIZATION	LS	1	\$ 38,000	\$	38,000

11 MOBILIZATION LS 1 \$ 38,000	<u> </u>	38,000
OPINION OF CONSTRUCTION COST - PHASE 2B	\$	720,000
* OPINION OF CONSTRUCTION COST - SUBTOTAL	\$	2,795,000
CONTINGENCY (20%)	\$	560,000
* OPINION OF CONSTRUCTION COST - TOTAL	\$	3,355,000
Property Acquisitions and Easements	\$	185,000
Private Utility Relocations	\$	25,000
Bury Existing Overhead Utility Lines (Phase 2A: 900 LF Phase 2B: 1,700 LF)	\$	165,000
* OPINION OF PROJECT COSTS - SUBTOTAL	\$	3,730,000
ENGINEERING (DESIGN BID CONSTRUCTION) (20%)	\$	750,000
* OPINION OF PROJECT COSTS - TOTAL	\$	4,480,000

^{*} Costs based on conceptual design - traffic study should be performed to determine and confirm concept





NL Dubuque Street Improvements - Phase 2

Project Schedule (February 2023)

Milestones	<u>Date</u>
Approve Engineering Contract	2025 – January
Design / Owner – Kickoff Meetings	2025 – February
Survey / Base Map Completed	2025 – April
Complete Traffic Study	2025 – April
25% Design Submittal	2025 – May
Initial Utility Coordination Meeting	2025 – May
DOT Concept Statement	2025 – June
50% Design (Easement and Acquisitions Defined)	2025 – July
Prepare Easement and Acquisition Plats to Schedule Appraisals	2025 – July
Preliminary Drawings to Utilities; Schedule Utility Review Meetings	2025 – August
DOT Preliminary Plans (75% + Costs)	2025 – September
City Receives Appraisals	2025 – September
Utilize Iowa DOT Roundabout Peer Review Program	2025 – October
Utility Work Plans Request from Utilities (Relocation Plans)	2025 – October
Secure and Approve Easements / Acquisitions (Utility Relocations)	2025 – November
Identify Condemnations / Set Hearing Date (if needed)	2025 – November
Condemnation Hearings (if needed)	2026 – January
Private Utility Relocation Work - Begins	2026 – March
DOT Check Plans (100% + Costs + Specs)	2026 – July
Private Utility Relocation Work – Ends	2026 – September
Approve Remaining Acquisitions / Easements (if needed)	2026 – July
DOT Final Plans and PDC	2026 – September
Public Hearing (City Council Meeting)	2026 – November
DOT Letting	2026 – December
Award Construction Contract (City Council Meeting)	2027 – February
Begin Construction	2027 – March
Substantial Completion	2027 – October
Final Completion	2027 – November



February 22, 2023

Emily Bothell, AICP Senior Associate Transportation Planner Metropolitan Planning Organization of Johnson County 410 E. Washington St. Iowa City. IA 52240

Dear Ms. Bothell:

This letter is to confirm that the City of North Liberty is prepared to fund the local match portion of the South Dubuque Street (Phase 2) project that is the subject of a Surface Transportation Block Grant application, as well as to maintain the infrastructure in perpetuity once completed. Intended funding source will be General Obligation Bonds. Please do not hesitate to contact me with any question you may have.

Sincerely,

Ryan Heiar, City Administrator

City of North Liberty

PO Box 77 3 Quail Creek Circle 52317

319-626-5747

rheiar@northlibertyiowa.org

South Dubuque Street from just south of East Zeller Street to the North Liberty Road roundabout is included in the City's five-year Capital Improvements Plan as part of the Fiscal Year 24 (July 1, 2023 – June 30 2024) budget, which is anticipated to be adopted in April 2023. The aforementioned South Dubuque Street is currently identified in Fiscal Year 28 (July 1, 2027 – June 30, 2028). Adjustments to schedule can be made as necessary.

Exhibit I - Minority Impact Statement

CIOWADOT

Minority Impact Statement

Form 105101 (3-18)

Pursuant to 2008 lowa Acts, HF 2393, lowa Code 8.11, all grant applications submitted to the State of lowa that are due beginning Jan. 1, 2009, shall include a Minority Impact Statement. This is the state's mechanism for requiring grant applications to consider the potential impact of the grant project's proposed programs or policies on minority groups.

	choose the statement(s) that pertains to this grant application. Complete all the ation requested for the chosen statement(s). Submit additional pages as necessary.
	The proposed grant project programs or policies could have a disproportionate or unique positive impact on minority persons.
	Describe the positive impact expected from this project.
Not App	olicable.
Indicate	e which groups are impacted.
□w	omen Persons with a disability Blacks Latinos Asians
Pa	acific Islanders American Indians Alaskan Native Americans Other
	The proposed grant project programs or policies could have a disproportionate or unique negative impact on minority persons.
	Describe the negative impact expected from this project.
Not App	olicable.
Present	t the rationale for the existence of the proposed program or policy.
Not App	

Provide evidence of consultation with representatives of the minority groups impacted.
Not Applicable.
Indicate which groups are impacted.
Women Persons with a disability Blacks Latinos Asians
Pacific Islanders American Indians Alaskan Native Americans Other
The proposed grant project programs or policies are not expected to have a
disproportionate or unique impact on minority persons.
Present the rationale for determining no impact.
The project consists of reconstructing/rehabilitating South Dubuque Street within the City of North Liberty
from just south of East Zeller Street to the North Liberty Road roundabout. The project will be entirely within the roadway right-of-way and granted temporary construction easements. The reconstructed
roadway section will include ADA compliant sidewalks. Therefore, it is expected that this construction
project will have a positive impact on persons with a disability.
I hereby certify that the information on this form is complete and accurate, to the best of my knowledge.
_{Name} Ryan Rusnak
Title Planning Director
Definitions
"Minority Persons," as defined in Iowa Code 8.11, means individuals who are women, persons with a
disability, Blacks, Latinos, Asians or Pacific Islanders, American Indians, and Alaskan Native Americans.
"Disability," as defined in Iowa Code 15.102, subsection 7, paragraph "b," subparagraph (1): b. As used in this subsection:
(1) "Disability" means, with respect to an individual, a physical or mental impairment that
substantially limits one or more of the major life activities of the individual, a record of physical or mental impairment that substantially limits one or more of the major life activities of the
individual, or being regarded as an individual with a physical or mental impairment that substantially limits one or more of the major life activities of the individual.
"Disability" does not include any of the following: (a) Homosexuality or bisexuality.
(b) Transvestism, transsexualism, pedophilia, exhibitionism, voyeurism, gender identity

disorders not resulting from physical impairments or other sexual behavior disorders.

(c) Compulsive gambling, kleptomania, or pyromania.

(d) Psychoactive substance abuse disorders resulting from current illegal use of drugs.

"State Agency," as defined in Iowa Code 8.11, means a department, board, bureau, commission, or other agency or authority of the State of Iowa.

Attachment A: Itemized breakdown of total project costs guidelines.

Construction costs

These may be based on historical averages for entire projects of similar size and scope. Examples include:

- Typical cost per mile of trail (e.g. \$XXX,XXX per mile for moderate terrain and limited number of structures).
- Typical cost per square foot of bridge deck.
- Typical cost per square foot of new or renovated building space.
- Typical cost per lineal foot of sidewalk.

Design/Inspection costs

These may be estimated based on the following typical percentages of construction costs, such as:

- 8 to 10 percent for preliminary up through final design and letting activities.
- 12 to 15 percent for construction inspection activities.

Right of way acquisition costs

These may be estimated based on:

- Impact and description of impact.
- Typical cost per square foot for permanent right of way.
- Typical cost per square foot for temporary easements.

Utility and railroad costs

These may be estimated based on:

- · Impact and description of impact.
- Typical cost per linear foot of relocated or reconstructed facility (e.g. track, pipe, electrical lines).
- Typical cost per installation (e.g. railroad switches, utility poles, transformers, control boxes).

Indirect costs

If indirect costs are involved (e.g. wages):

- Estimated hours.
- Estimated hourly rate, salary.
- Estimated fringe, direct.
- Other direct cost estimate.
- Other indirect cost estimate.

Exhibit J - Additional Information

