

US DEPARTMENT OF TRANSPORTATION RAISE GRANT APPLICATION

DRIVE TO PROSPERITY: MANUFACTURING DRIVE AND BLUFF BOULEVARD RECONSTRUCTION

CLINTON, IOWA | JULY 12, 2021





Office of the Mayor

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July 12, 2021

The Honorable Pete Buttigieg
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: **Support for the City of Clinton's Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction RAISE Grant Application**

Dear Secretary Buttigieg:

The City's proposed **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction project** will enhance access to retail, manufacturing and essential services, including multiple healthcare providers, provide a safe route for all students (to include the new arrival of high school-aged international students in the Clinton STEM Academy), bolster pedestrian and bicyclist amenities, and support increased community vibrancy and better health outcomes.

This roadway is an important component to Clinton's infrastructure, connecting the north and south parts of the community. The nearly 100-year-old roadway is now stressed with capacity constraints and has seen 384 crashes in just the last 5 years alone, in addition to severe flooding incidents over the last few years.

Businesses along the corridor include Nestle Purina, currently conducting a \$140 million expansion that includes 73 new positions, and Timken Drives, currently expanding an existing building for approximately \$1.4 million, locating just off the corridor and will have 84 new positions. Finally, a brand new 231-unit apartment complex is being built by Diamond Builders near Hwy 30 and right off Manufacturing Drive.

This project includes the complete reconstruction of Manufacturing Drive and Bluff Boulevard from US Route 30 to 7th Avenue North. It includes numerous safety and environmental improvements to bring this road up to a good state of repair.

This project does not just improve the roadway surface but improves the quality of life to residents and businesses along the corridor by including the infrastructure necessary for future implementation of utilities for both water and a high-speed fiber and broadband network. This infrastructure will position the City of Clinton to be a 21st century leader and serve as a primary gateway to the area that has been identified as an "Opportunity Zone" by the US Department of the Treasury. The project also benefits Area of Persistent Poverty by removing barriers and improving access.

The **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction project** is a necessary and worthwhile investment which will have a profound effect on the future viability of the area. Consistent with the goals of the RAISE grant program, this project will improve safety, provide a good state of repair, foster innovation, and provide a much-needed boost to economic vitality for not only the City but the surrounding region as well. For these reasons I fully support this project.

Sincerely,

Scott Maddasion
Mayor
SM/lf



Table of Contents

I. Project Description	1
II. Project Location	8
III. Grant Funds, Sources, and Uses of all Project Funds	10
IV. Selection Criteria	13
Primary Selection Criteria	
a. Safety.....	13
b. Environmental Sustainability	16
c. Quality of Life	19
d. Economic Competitiveness	20
e. State of Good Repair	21
Secondary Selection Criteria	
a. Partnership.....	22
b. Innovation.....	23
i. Innovative Technologies.....	23
ii. Innovative Project Delivery.....	24
iii. Innovative Financing.....	24
V. Environmental Risk/Demonstrated Project Readiness	25
a. Project Schedule and Technical Feasibility	25
b. Required Approvals.....	26
1. Environmental Permits and Review	26
2. State and Local Approvals.....	28
3. Federal Approvals.....	29
c. Assessment of Project Risk and Mitigation Strategies.....	29
VI. Benefit Cost Analysis	30

Appendices

[A. Project Support Letters](#)

[B. NEPA Summary](#)

[C. Right-of-Way Impacts](#)

I. Project Description

The **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction Project** (www.drivetoprosperity.com) will reconstruct approximately 4.0 miles of Manufacturing Drive and Bluff Boulevard from US Route 30 to 7th Avenue North. This project includes reconstructing two bridges, converting the roadway into a 3-lane section, adding a roundabout, interconnecting traffic signals, separating sewer and sanitary lines, and installing bio-swales to capture rainwater and filter storm water. The project will reduce runoff volume, improve water quality, improve and upgrade traffic signals, install sidewalks and a bicycle route, add transit shelters and will modify intersections along this vital artery of rural Clinton, Iowa. ***In addition to providing much needed safe access for the businesses along Manufacturing Drive, the project will also serve as a gateway for the area along Bluff Boulevard that has been identified as an Opportunity Zone and includes Areas of Persistent Poverty (census tracts 1 and 3).*** This project will provide safe and easy access to more than 300 expected students who use this road to travel from the Ashford campus to the high school.



Manufacturing Drive and South Bluff Boulevard Intersection (looking South)

By addressing intersection improvements, sight distance improvements, horizontal and vertical alignment, lane width, and drainage, the project will reduce the frequency and severity of crashes. The project will improve deteriorated pavement and will reduce the impacts of flooding on the roadways, such as reducing pollutants entering the storm water system and preventing vehicles from traversing the flooded roadway. In addition, this project will replace two bridges that are currently too low and too narrow, relieve congestion on the heaviest traveled road in this rural community, allow for partnerships for improved essential services to include water, energy and fiber optics, and remedy the flooding problems that have plagued this 4.0 mile stretch for close to 100 years. The project will convert the existing roadway to three lanes throughout the entire corridor. This conversion will reduce the number in crashes by about a half, from the 239 crashes that have occurred over five years between 2015 and 2019 (crashes in 2020 were not included in this report due to the atypical traffic patterns during the Covid-19 pandemic). This heavily traveled road supports nearly 12 million vehicle miles travelled per year and up to 13,000 vehicles per day. The 2018 Iowa DOT average annual daily traffic map can be found [here](#). In addition, this project will redirect truck traffic away from Harts Mill road which is a parallel road. **This project will be a springboard for other transportation improvements as outlined in the [City of Clinton 2032 Comprehensive Plan](#) which will turn around the City's economic and population decline.**

The following sections provide additional information about geometric, safety, ADA access and bike path improvements along the **Drive to Prosperity** project corridor. A strip map showing the proposed improvements along the entire project corridor is available [here](#) and a brief video highlighting some of the improvements is presented [here](#).

Manufacturing Drive – US Route 30 to Valley West Drive

This section **currently under design** will include the full depth patching of the existing 2-lane, 22-foot wide, concrete road that is the middle two lanes of this 4-lane section. ***These two center lanes are nearly 100 years old and structurally deficient.*** This section of Manufacturing Drive was widened from 2-lanes to the current 4-lane section in 2010 as part of a \$1.5 million enhancement project. This section will include a hot mix asphalt overlay with a flexible asphalt interlayer, construction of an off-road bike path on the south side of the street, and reconfiguration and modernization of the Manufacturing Drive and Valley West intersection and signals. The hot mix asphalt overlay will allow the section to look consistent and permit the conversion of the 4-lane roadway to a 3-lane roadway. This section has experienced 37 crashes between 2015 and 2019. The 3-lane road will have two through lanes and a center two-way-left-turn lane. Reconfiguring the north leg of the intersection to include 2 approach lanes instead of 3 and modification of signals to include protected left turn lanes from Manufacturing Drive to Valley West Drive will reduce vehicle crashes. The conversion of the roadway to 3-lanes will also reduce the crash rate on this section.



Manufacturing Drive and US Route 30 Intersection (looking northeast)

Other innovative improvements will include LED streetlights, numerous tree plantings, and a joint utility trench.

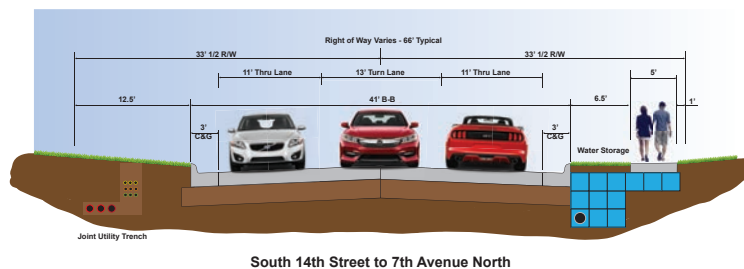
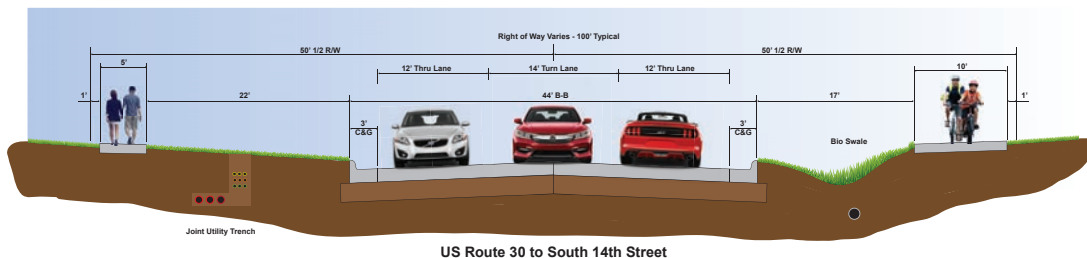
Manufacturing Drive – Valley West Drive to College Avenue

This section of Manufacturing Drive **currently under design** will include the removal of *existing rural 2-lane, 22-foot* wide, concrete road which is over 100 years old and is structurally deficient.



Manufacturing Drive at Mill Creek with Nestle Purina on the right (looking South)

The roadway will be reconstructed as a 3-lane urban roadway with curb and gutter. The 3-lane road will have two through lanes and a center two-way-left-turn lane. This will add the necessary capacity to mitigate congestion caused by left turning vehicles.



Proposed Typical Sections

Right turn lanes will be added at the driveway entrance to Nestle Purina and South 21st Street to improve safety at this intersection. This will alleviate peak hour congestion at the busiest intersections by getting slower, right turning traffic out of the through lanes and reduce crashes. Nestle Purina particularly has heavy congestion around shift changes. A roundabout will be constructed at the South 19th Street intersection. A roundabout in place of the traffic signal will reduce vehicle crashes, lower emissions, decrease traffic delay, and decrease operating and maintenance costs. The two bridges over Harts Mill Creek and Mill Creek will be replaced. These bridges are not wide enough to accommodate an additional lane, bike path, and sidewalk. The replacement bridges will also be increased in length and widened to allow for greater hydraulic area under the bridge. This will reduce the frequency and severity of flooding on Manufacturing Drive and the surrounding area.



Flooding at Nestle Purina in July 2017. Circles indicate location of the bridges proposed for replacement (looking south); photo credit: Clinton KCWQ & Clinton Herald

The existing South 13th Street and Harts Mill Road intersections with Manufacturing Drive will be realigned to create a single 90-degree intersection. The current alignment is uncomfortably close to College Avenue, and re-alignment will also allow better sight distance in all directions. At certain times of the day, it can be difficult to turn out into traffic from South Bluff Boulevard onto Manufacturing Drive. ***This re-alignment, along with addition of right turn lanes, will improve capacity at this intersection and reduce crashes.***

The intersection of College Avenue will have right turn lanes added to increase capacity and remove the traffic from the through lane. The traffic signal will be replaced and interconnected to the other signals on the corridor to allow for progression of traffic.

A new storm sewer system will be constructed along this section to collect storm water from the right-of-way and discharge to nearby creeks and streams. The existing ditch sections are flat and are constantly filled with stagnant water, even during extended dry periods. The new storm sewer system will consist of storm water treatment systems where runoff enters the right-of-way from private parking lots. ***Bioretention cells, rain gardens, and bioreactors along each side of the right-of-way will be both functional and aesthetically pleasing to the traveling public. There is expected to be a significant reduction in pollutant loads to Mill Creek with this improvement.***



Manufacturing Drive just south of South 19th Street during recent flooding in June 2018.

A 10-wide bike path will be constructed on the south side of Manufacturing Drive and a 5-wide sidewalk on the north side of Manufacturing Drive. Both the sidewalk and bike path will go across both proposed bridges. Since the right-of-way in this section of Manufacturing Drive was never developed as part of a subdivision, a proper pedestrian pathway was never installed. This bike path will connect the residential districts of Bluff Boulevard to the Valley Bluff commercial shopping district. Other amenities, such as park benches and picnic tables could be added along the path.

A roundabout will be constructed at the South 19th Street intersection.

Emergency preemption will be added to all traffic signals in the corridor to assist with emergency response.

Other innovative improvements will include LED streetlights, numerous tree plantings, and a joint utility trench.



The sharp angled intersection of South 19th Street will be changed to roundabout.

Bluff Boulevard – College Avenue to 7th Avenue North

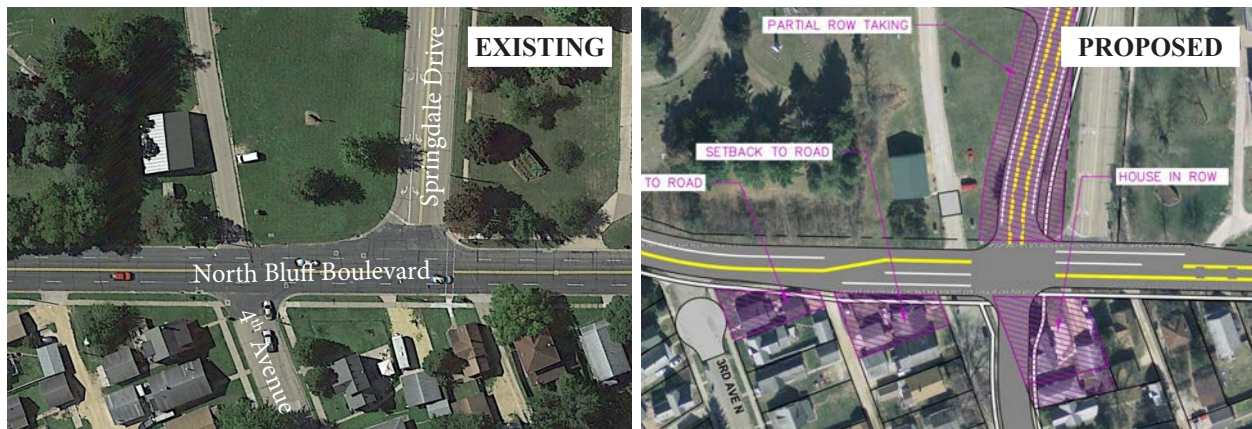
This section will include the reconstruction of existing 4-lane roadway to a 3-lane roadway with a center turn two-way-left-turn lane and curb and gutter. This center turn lane will service all intersections and driveways along this corridor and will increase capacity to accommodate future growth.

The intersection of South 14th Street will be realigned to create a 90-degree intersection. Right turn lanes will be added northbound and the traffic signal will be replaced. The signal will be interconnected to the other signals on the corridor to allow for progression of traffic. Emergency preemption will be added to the traffic signal to assist with emergency response. These improvements will increase capacity and reduce queuing leading to reduced crashes and improve the safety of this intersection.

The existing narrow sidewalk along the south side of the street will be removed and replaced with a 10-wide bike path. A new 5 foot-wide sidewalk will be installed on the north side of the street. These enhancements will improve the access to the school and connect the bike path along Manufacturing Drive to the proposed South 14th Street bike path. The planned bike and pedestrian routes can be found in the [City of Clinton 2032 Comprehensive Plan](#).

The following intersections will be redesigned, and improvements made which will reduce crashes

- South 14th Street – Realigned to 90-degree intersection to the south.
- 8th Avenue South – Realigned to 90-degree intersection. Right turn lanes will also be added northbound on Bluff Boulevard..
- 7th Avenue South/Thorwaldsen Place – Realigned to 90-degree intersection. Right turn lanes will also be added on Bluff Boulevard. Traffic signal will be replaced, and radii will be widened.
- Melrose Court – Realigned to 90-degree intersection.
- Kenilworth Court – Cul-de-sac will be installed, and road will no longer connect into Bluff Boulevard.
- 5th Avenue South – Realigned to 90-degree intersection.
- 4th Avenue South – Realigned to 90-degree intersection.
- 3rd Avenue South – Cul-de-sac will be installed, and road will no longer connect into Bluff Boulevard.
- 2nd Avenue South – Traffic signal will be replaced.
- 1st Avenue West – Realigned to 90-degree intersection.
- Locust Place – Hammerhead will be installed, and road will no longer connect into Bluff Boulevard.
- Adams Place – Hammerhead will be installed, and road will no longer connect into Bluff Boulevard.
- 3rd Avenue North – Cul-de-sac will be installed, and road will no longer connect into Bluff Boulevard.
- 4th Avenue North/Springdale Drive – Realigned to 90-degree intersection and create an intersection with both streets at a proper alignment. Right turn lanes will be added on Bluff Boulevard.



Bluff Boulevard & 4th Avenue North/Springdale Drive Intersection (looking north)

The project will eliminate the existing narrow reverse curve along Bluff Boulevard between Woodland Drive and 4th Avenue South. This will allow the roadway to meet the [design criteria](#) for the project.

The existing narrow sidewalk along the south side of the street will be removed and replaced with a proposed 5 foot-wide sidewalk with space between the sidewalk and street. This will improve safe access to the school.

A new storm sewer system will be constructed along this section to collect storm water from the right-of-way and discharge to nearby creeks and streams. Bioretention cells, rain gardens, and bioreactors will be installed where space permits. These enhancements will alleviate flash flooding events. Sanitary and storm sewer separation will be completed in this section of Bluff Boulevard.

The two traffic signals that will be replaced will be interconnected to the other signals on the corridor with fiberoptics to allow for progression of traffic. Emergency preemption will be added to the traffic signal to assist with emergency response.

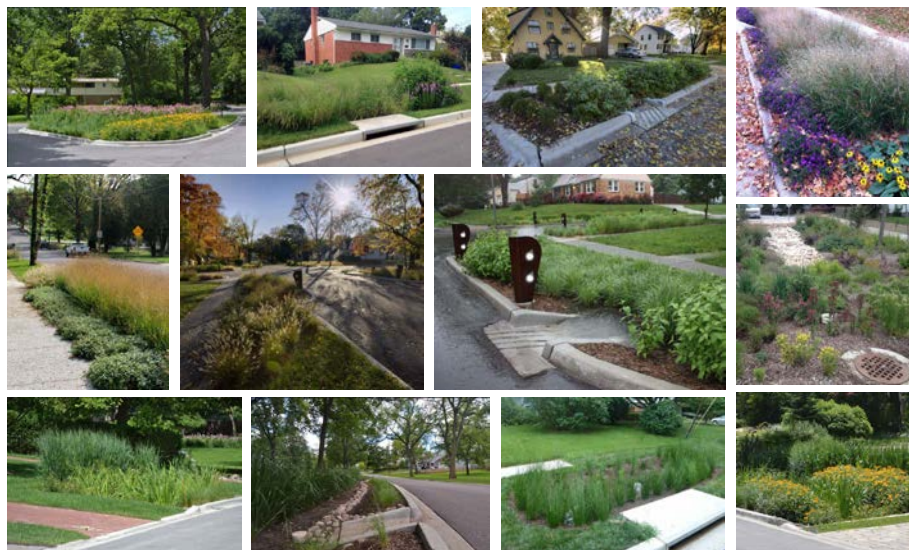
Other improvements include sanitary sewer improvements where necessary, LED streetlights, joint utility trench, and numerous tree plantings throughout the vast expanse of right-of-way.



Existing sidewalk adjacent to Bluff Boulevard near 1st Avenue West (looking north)



Existing reverse curve on Bluff Boulevard between Woodland Avenue and 4th Avenue South.



Green Infrastructure Examples

II. Project Location

The **Drive to Prosperity** project is in the City of Clinton, Iowa. The City of Clinton is the county seat of Clinton County and the farthest east City in Iowa. The City of Clinton is long, narrow, and adjacent to the Mississippi River. The Manufacturing Drive/Bluff Boulevard is the critical node that connects businesses and citizens to the river, manufacturing, and commercial business. The project begins at the south end at US Route 30 and terminates at the north end at 7th Avenue North. See the project location map in **Figure 1**.

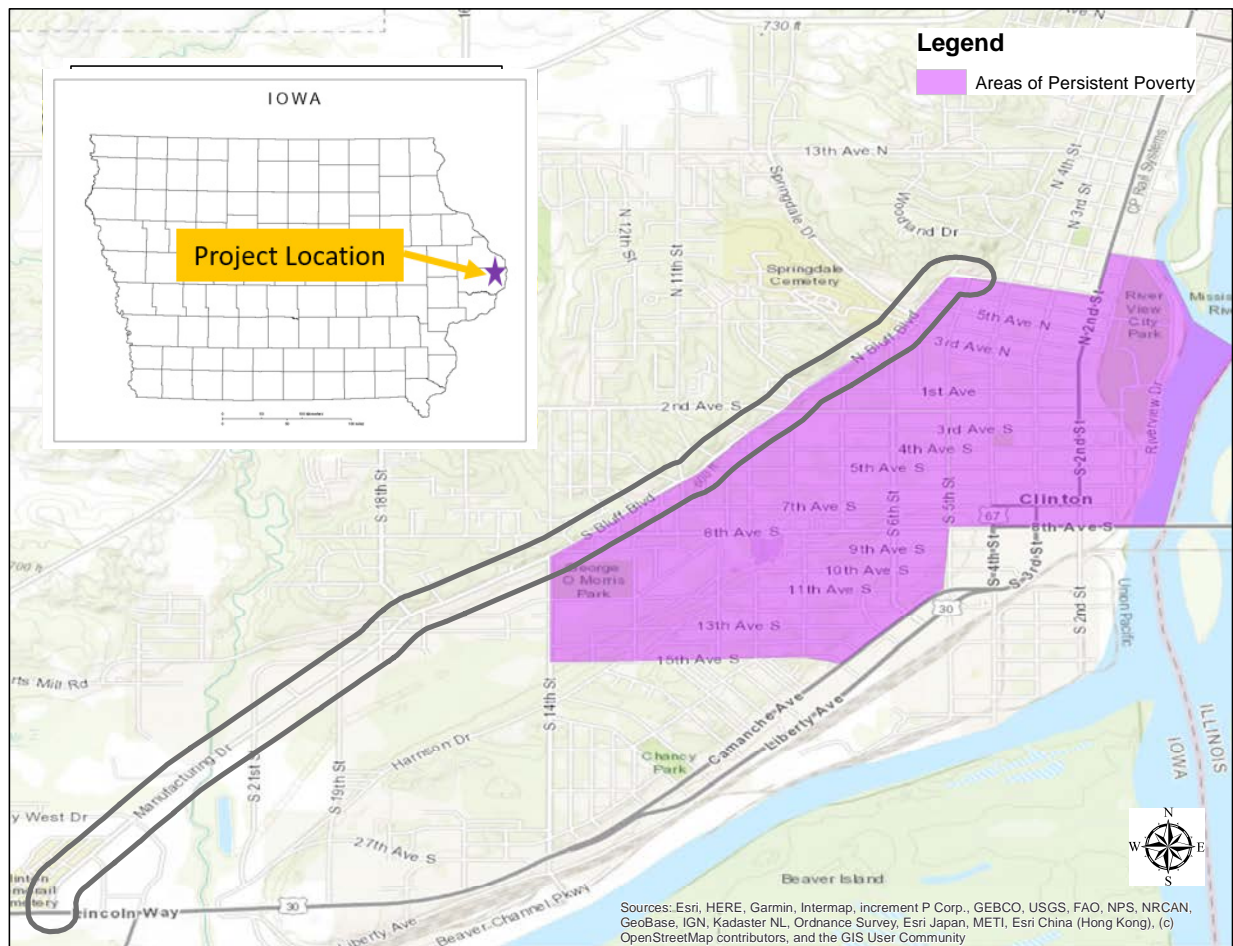


Figure 1. *Project Location Map*

Of the seven [census tracts \(2010\)](#) that make up the City of Clinton. The **Drive to Prosperity** project is in four of the seven census tracts. In 2020 the estimated population of Clinton was 25,039. *Census tracts 1 and 3 have been identified as Areas of Persistent Poverty.*

This project is located in the [Clinton, IA-IL](#) Urban Cluster Number 17938 and is classified as a Rural project as defined by Section 3.C.ii of the Build Grant Notice of Funding Opportunity.

Project Parties

The City of Clinton appreciates and sincerely thanks the many parties and partners who have pledged support to the City of Clinton's **Drive to Prosperity** Project including Federal, State and Local representatives, businesses, schools, medical, bike clubs and a group called Clinton Progress Coalition which include citizens who unanimously support this project. Of note are Iowa American Water, Alliant Energy, and Mediacom who have committed to participate in the project. Iowa American Water has a \$2.9 million program for upgrading services along the project corridor. Alliant Energy will partner with the City to concurrently install underground electrical infrastructure in concrete vaults. Mediacom has committed to provide all labor and materials for installation of conduit duct system for existing and future fiber optic facilities.

The City has also received a letter from Cindy Hufford, Commander of the American Veterans Post 28. The Hufford family has experienced the pain of losing a loved one because of a fatal incident that occurred in the project limits in April 2015.

A resolution by the Clinton City Council expressing unanimous support for the project, support letters from the Iowa Congressional delegation, State of Iowa Governor, Kim Reynolds, and other partners who have expressed support for the project can be found in [Appendix A](#) and on the [website](#).

A resolution from the City of Clinton in support of the RAISE Grant and a commitment to match funds is attached to this application.



III. Grant Funds, Sources and Uses of all Project Funds

The total estimated project budget is \$38.1 million. This cost includes engineering, construction, property acquisition, and privately funded improvements by Iowa American Water. The **Drive to Prosperity** project is requesting \$19.0 million from the RAISE Grant. **Figure 2** the budget broken down by fiscal year and fund source.

Drive to Prosperity - Project Budget					
Items	Itemized Totals	FY 2022	FY 2023	FY 2024	Bluff Boulevard
Right-of-Way	\$1,000,000	\$0	\$1,000,000	\$0	\$0
Design Engineering	\$1,200,000	\$0	\$600,000	\$0	\$0
Construction Engineering	\$2,000,000	\$0	\$500,000	\$500,000	\$1,000,000
Construction	\$33,900,000	\$2,900,000	\$8,000,000	\$5,500,000	\$17,500,000
Total	\$38,100,000	\$2,900,000	\$10,100,000	\$6,600,000	\$18,500,000
Funding Sources					
City of Clinton	\$10,300,000	\$0	\$4,000,000	\$2,300,000	\$4,000,000
Iowa DOT	\$5,900,000	\$0	\$2,300,000	\$1,600,000	\$2,000,000
Iowa American Water	\$2,900,000	\$2,900,000	\$0	\$0	\$0
RAISE Grant	\$19,000,000	\$0	\$3,800,000	\$2,700,000	\$12,500,000
Total	\$38,100,000	\$2,900,000	\$10,100,000	\$6,600,000	\$18,500,000

**FY 2022 is Iowa DOT Financial year beginning July 1, 2021 to June 30, 2022*

Figure 2. *Funding Sources by Fiscal Year*

Figure 3 is a chart showing the percentage of funding from each source. As can be seen the local partners have committed to contribute \$19,000,000 to the project. This commitment represents 50.1 percent of the total cost. This grant application requests RAISE funding of \$19,000,000 representing 49.9 percent of the total cost.

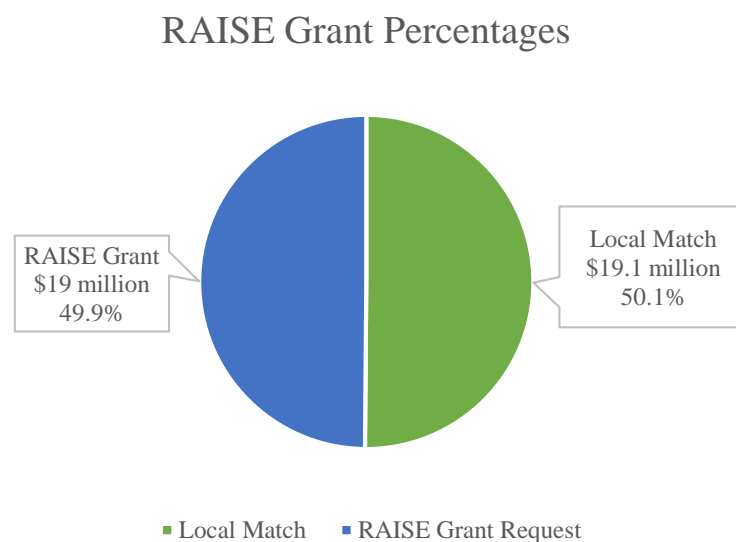


Figure 3. *Federal to Local Match Percentage*

Figure 4 is a chart showing the percentages for each of the local partners. The City of Clinton is contributing almost 27% of the total cost with the Iowa DOT and Iowa American Water contributing 15.5% and 7.6% , respectively.

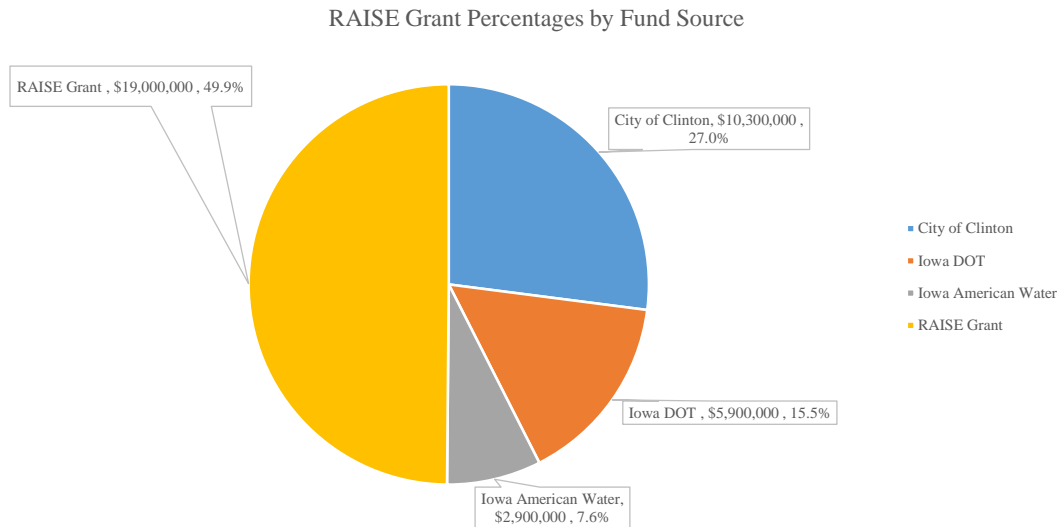


Figure 4. *Percentage of Funding Sources*

Increase in Local Match Since 2018

The City of Clinton is applying for the US RAISE grant for the fourth time since 2018. Over the last four years, the City has made funding the Drive to Prosperity project as one of its top priorities by increasing the funding for the project each year. **Figure 5** illustrates this commitment where the RAISE grant match has reduced from 72% in 2018 to 45% in the 2020 grant application. *Note that this match does not include the \$2.0M the City has already invested in acquiring ROW and the design of the Manufacturing Drive from US 30 to College Avenue. The proposed RAISE grant match for 2021 is 50/50.*

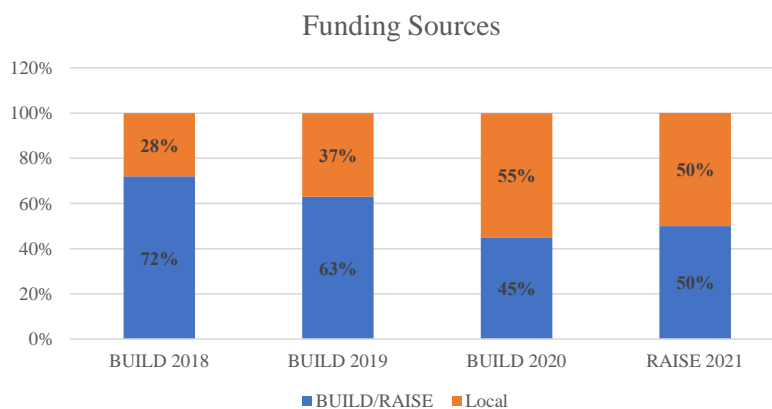


Figure 5. *Local Match Increase (BUILD 2018-BUILD 2020)*

Note: Local Match does not include an additional \$2.0M invested by the City in acquiring ROW and design of Manufacturing Drive from US 30 to College Avenue.

Figure 6 and **Figure 7** present the budget showing the breakdown of the \$38.1M project cost by each category and Fiscal Year. The detailed engineer's estimate of probable cost can be seen [here](#).

Drive to Prosperity - Manufacturing Drive + Bluff Boulevard Project Expenditures										
Funding Source	FY 2022*		FY 2023*		FY 2024*		Bluff Boulevard		Total	
Right-of-Way	\$0	0.0%	\$1,000,000	9.9%	\$0	0.0%	\$0	0.0%	\$1,000,000	2.6%
Design Engineering	\$0	0.0%	\$600,000	5.9%	\$600,000	9.1%	\$0	0.0%	\$1,200,000	3.1%
Construction Engineering	\$0	0.0%	\$500,000	5.0%	\$500,000	2.6%	\$1,000,000	5.4%	\$2,000,000	5.2%
Construction	\$2,900,000	100.0%	\$8,000,000	79.2%	\$5,500,000	83.3%	\$17,500,000	94.6%	\$33,900,000	89.0%
Total	\$2,900,000		\$10,100,000		\$6,600,000		\$18,500,000		\$38,100,000	

Figure 6. *Expenditures by Categories*

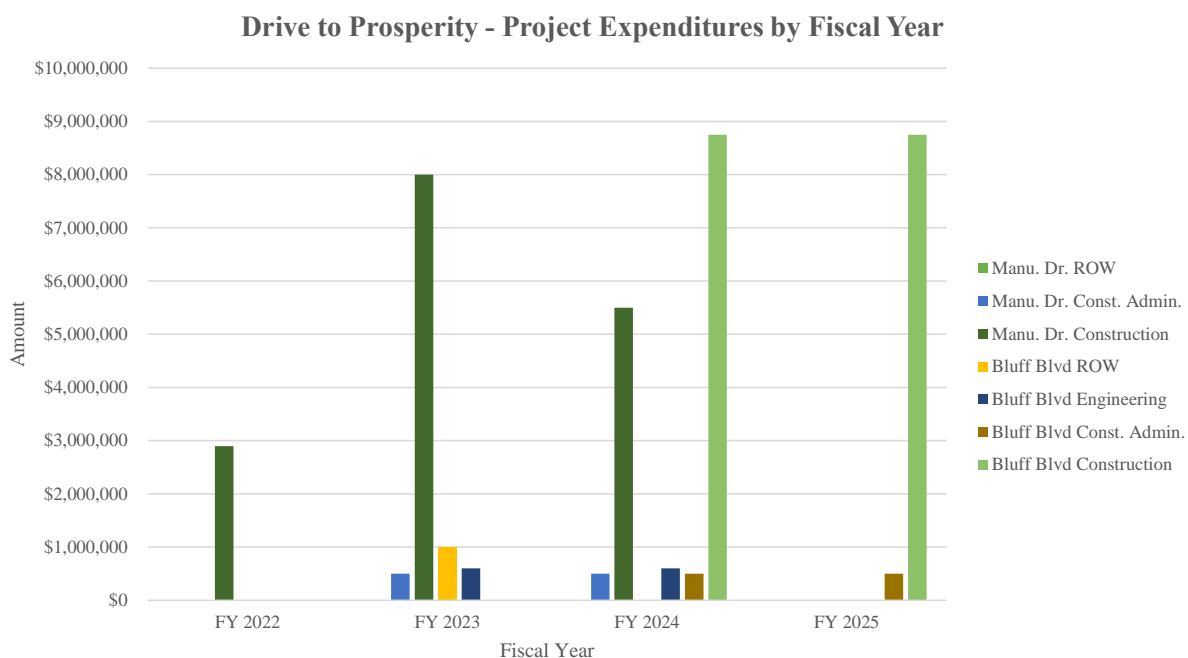


Figure 7. *Expenditures by Fiscal Year*

Both the Iowa DOT and our regional planning association (ECIA) have pledged their support to the project and will work with the City to amend the State Transportation Improvement Program to include the RAISE grant in the program.

These costs do not include costs for improvement committed by Mediacom and Alliant Energy. Mediacom has committed to provide all labor and materials for installation of conduit duct system for existing and future fiber optic facilities. Alliant Energy will partner with the City to concurrently install underground electrical infrastructure in concrete vaults.

IV. Selection Criteria

The **Drive to Prosperity** is a multifaceted project meeting all primary and secondary selection criteria in the RAISE Grant.

Primary Selection Criteria

a. Safety

From 2015 to 2019, there were 239 report traffic crashes reported along the Manufacturing Drive and Bluff Boulevard corridor according to data the [Iowa DOT Iowa Crash Assessment Tool](#). The location of these crashes can be observed in **Figure 8a**. The project goal is to reduce the number of crashes for the safety of those who travel this road. **The improvements proposed as part of Drive to Prosperity project can decrease the crash rate by up to 47% based on information available from FHWA (https://safety.fhwa.dot.gov/road_diets/).** The yearly crash distribution and the severity of crashes is presented in **Figure 8b**. There were 22 crashes recorded in 2020, however those were not included in this analysis as traffic was atypical due to the worldwide Covid-19 pandemic.

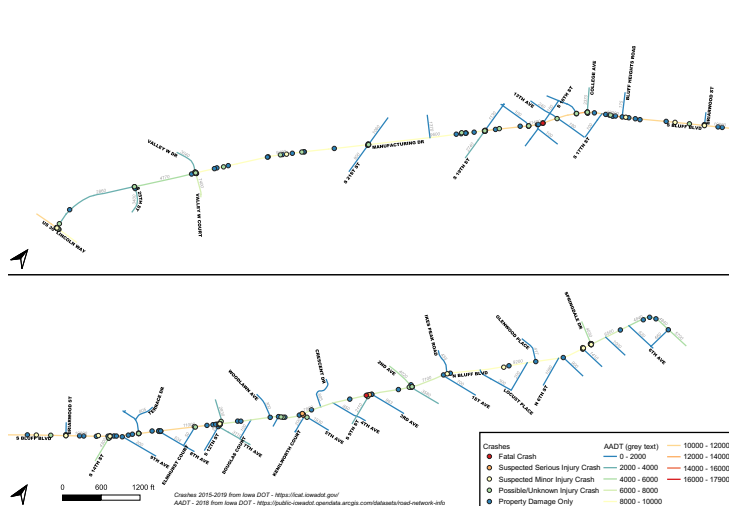


Figure 8a. Crash Map (2015-2019)

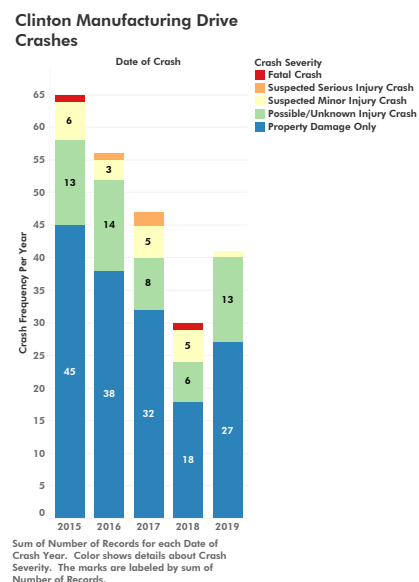


Figure 8b. Crash Statistics (2015-2019)

Vehicle Safety:

- Converting the roadway from four-lane to three-lane will drastically reduce the amount of crashes on the roadway. Four lane undivided roadways in urban areas can experience a degradation of service for numerous reasons. Turning vehicles within through lanes causes congestion and vehicle crashes, which can be mitigated by inclusion of a dedicated through lane. With turning traffic removed from the through lanes, vehicles can move unencumbered throughout the corridor until they reach their destination. Further, for traffic volumes up to 13,000 vehicles per day, only one through lane per direction is necessary provided left turning vehicles have a dedicated auxiliary lane. For these reasons, among others, it is desirable to construct the entire corridor as a three-lane roadway. This will improve safety and capacity of both Manufacturing Drive and Bluff Boulevard. Studies by Federal Highway Administration (FHWA) have found a crash reduction of up to 47 percent can be achieved by converting a roadway to three-lanes.

- Installing a roundabout at South 19th Street will significantly reduce serious read-end, head-on, and sideswipe collisions.



Manufacturing Drive and South 19th Street

- The project will straighten of the reverse curves on Bluff Boulevard between Woodland Avenue and 4th Avenue South. The roadway width is narrow and water from the bluff drains onto the roadway and occasionally carrying mud onto the roadway. Eliminating these curves will increase sight distance and provide an appropriate roadway width.



Reverse curve between Woodland Avenue and 4th Avenue South

- Most of the residential side streets intersections will be re-aligned from skewed to 90-degree intersections. This will improve sight distance at these intersections.



90-degree intersections at 18th Street and South Bluff Boulevard

Pedestrian/Bicycle Safety:

- There will be a 5-foot wide sidewalk installed the complete length of the corridor. The sidewalk will be setback from the edge of the roadway to provide safer accommodations. In addition, a bicycle path will be installed between US Route 30 and South 14th Street where it will tie into a future bike path. This path will allow bicyclists of all skill levels and abilities to ride along Manufacturing Drive.



Existing sidewalk north of 2nd Avenue South (looking north)



Existing sidewalk north of 8th Avenue South (looking north)

Emergency Response:

- ***Emergency response times will be improved with this project.*** All traffic signals on this project will include emergency preemption which will allow emergency responders to drive safely without having to slow down at each traffic signal and intersection. This will also allow vehicles to move away from the intersection in the direction the emergency vehicle is traveling making it safer for the responders, so they do not have to cross into opposing traffic. Currently the south end of the project is two-lane and emergency responders must weave between opposing traffic since there is no room to pull over. The addition of a third center turn lane will allow for more room for vehicle to get out of the way of the responders thus increasing response times and reducing potential crashes due to unsafe movements.

b. Environmental Sustainability

The **Drive to Prosperity** project will promote the environment through several specific improvements.

Treating Storm Water Runoff:

- The design will include construction of Bioretention cells, Bio-swales, permeable pavement, underground filtration rock chambers, among other practices aimed at improving quality of the storm water runoff and thereby decreasing harmful pollutants to the Mississippi River receiving waters. Specific bioretention areas and underground chambers will be aimed at collecting and treating runoff before transmission to the trunk storm sewers and eventually to the Mississippi River. The tributary area to the Drive to Prosperity project shown in **Figure 9** is approximately 600 acres. ***All proposed green infrastructure components will be constructed such that the quality of effluent waters from this drainage basin is substantively and quantifiable improved.***

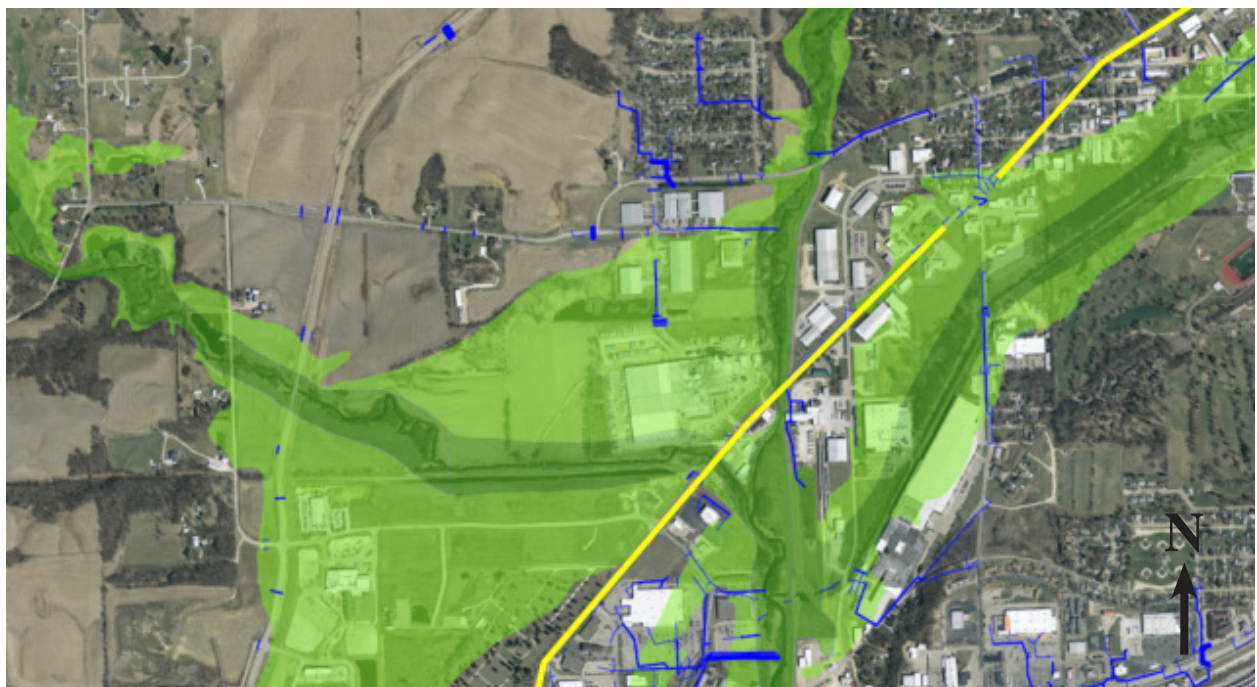


Figure 9. *Manufacturing Drive/Bluff Boulevard Tributary Area*

Sanitary Sewer Separation:

- The City of Clinton would separate the storm and sanitary sewers that are currently combined along Bluff Boulevard between 8th Avenue South and 7th Avenue North. This will assist the City with its objective of the reduction of basement backups throughout the Basin 6 area. With this funding opportunity, the City could more easily reconstruct storm and sanitary sewer networks in this area. In addition to reducing basement backups from the combined sewer system, innovative storm sewer design will eliminate street ponding and flash flooding at the lowest areas of Bluff Boulevard. The Iowa DNR specifies the following designated uses for the Mississippi River segment: primary contact recreation (Class A1), warm water wildlife and aquatic life uses (Class B (WW-a)), and human health (Class HH). The most recent Section 305(b) report included this segment of the Mississippi River as “not supporting” for the Class B(WW-1) designation due to violations of Iowa’s

chronic criterion for aluminum and cadmium in water. As a result, this Mississippi River Segment is now included in Iowa's EPA approved Section 303 (d) Impaired Water List. The contaminants causing this status of impairment over the years include: organic enrichment, bacteria, metals, and nutrients. It is a goal of the City of Clinton to do its part to improve the discharges to the Mississippi River. The City has included storm water BMPs in all its sewer separation and storm sewer improvement projects.

- As part of a large drainage and sewer basin known as “Basin 6”, this project is a crucial element to the City's Long-Term Control Plan for Combined Sewer Overflow, which has been approved by consent decree with the Iowa DNR. Per the consent decree, the City is presently under enforcement practices to separate all sewers within Basin 6. The project, which is under way, will continue until 2037 and includes parts of Bluff Boulevard, which will be designed and constructed by this project. The project will include all new storm sewer intakes and conveyance system, which will provide adequate storm drainage of the project area directly to the large diameter storm sewers on 3rd Avenue South and 7th Avenue North, which will also limit overflow of combined sewers in and around Bluff Boulevard.
- ***The new storm sewer system paralleling Bluff Boulevard will improve the quality and control the quantity of storm water runoff and reduce combined sewer overflows.*** The proposed **Drive to Prosperity** project will implement a variety of storm water Best Management Practices to reduce the contaminant concentrations and volume of storm water runoff from the Bluff Boulevard Drainage Basin. In doing so, it will also reduce the quantity of storm water entering the City's combined sewer system, and correspondingly the volume of raw sewage overflows to the Mississippi River. The reduced organics, solids, metals, bacteria, and nutrients discharges to the Mississippi River accompany reductions of storm water and combined sewer discharges.

As outlined in the [Economic Profile of the Upper Mississippi River Region](#), March 1999, "The Mississippi River is critical to our economic well-being. Individuals and businesses have come to rely on the river for transportation, water, food, recreation, and a variety of other goods and services. As a result, the regional economies surrounding the river, as well as the national economy, benefit from careful conservation and management of the Mississippi." As such, the proposed **Drive to Prosperity** project is consistent with efforts to mitigate annual pollutant loads to this important river.

Creek Flooding:

- As a part of the **Drive to Prosperity** project, the bridges over Harts Mills Creek and Mill Creek will be raised, lengthened, and the widened to provide more hydraulic area. This design can be seen in the plan and profiles [here](#). This will reduce flooding incidents impacting the road and surrounding business. The project will be coordinated with Nestle Purina who is planning additional flood control on their property.



Flooding at Nestle Purina July 2017

Vehicle Emissions:

- There are several components of this project which will reduce vehicle emissions to the environment, mainly by decreasing delays at all intersections and key private access points. This includes a potential roundabout in place of the signalization at South 19th Street, re-alignment of several street intersections, constructing dedicated right and left turn lanes at intersections throughout the corridor, and installing fiber to coordinate all the traffic signals. Using traffic simulation from the Synchro® Simtraffic software, it is anticipated that the project will reduce the CO2 emissions by 4% in the year 2040. A results summary from the simulation is shown in **Figure 10**.

Measure/ Scenario	2018			2040		
	Existing	RAISE	%	Existing	RAISE	%
Travel Dist (mi)	3,612	3,574	-1.1%	4,555	4,420	-2.9%
Travel Time (hr)	135.1	134	-0.8%	177	165.4	-6.6%
Avg. Speed (mph)	26.7	26.7	-0.2%	25.7	26.7	3.8%
Fuel Used (gal)	126.2	123.3	-2.3%	160.2	152.7	-4.7%
Fuel Efficiency (mpg)	28.6	29	1.4%	28.4	29	2.1%
HC Emissions (g)	1,302	1,315	1.0%	1,608	1,555	-3.3%
CO Emissions (g)	49,099	47,760	-2.7%	60,714	58,006	-4.5%
NOx Emissions (g)	4,864	4,731	-2.7%	6,020	5,682	-5.6%
Avg. Corridor Travel Time (min)	8.079	8.098	0.2%	8.393	8.083	-3.7%

Figure 10. *Emission Reductions*

LED Lighting:

- The project will use solar powered LED streetlights. LED lights will replace the current lamps and provide a more direct and dark-sky friendly approach to lighting our pedestrian and vehicular paths along this corridor. This will provide a more pleasant walking experience at night while reducing kilowatt hours and greenhouse gas emissions.

Recycled Pavement:

- All pavement that is removed will be recycled and used as base and backfill on the project. This will reduce greenhouse gas emissions by reducing the shipment of materials to the site.

c. Quality of Life

The **Drive to Prosperity** project will include the reconstruction and enhancement of the second busiest transportation corridor in Clinton. The project will increase access to commercial areas of Clinton for all residents by increasing capacity and safety of the corridor. It is likely that traffic volume will increase after project completion, as residents will see the newly enhanced roadway as a convenient and pleasing route to major destinations on the west end of Clinton. Common destinations on the west end of Clinton include Walmart, Wild Rose Casino, Hobby Lobby, Kohl's, Aldi, and at least 40 other businesses tailored to daily commercial uses. Manufacturing Drive and Bluff Boulevard serve as the main arterial route to these locations for at least half of the town, stretching from 13th Avenue North past the downtown to the Bluff Boulevard and Manufacturing Meadows districts.

In addition to commercial access, Manufacturing Drive is home to one of the largest employers in the City, Nestle Purina. *At certain times of the day, Manufacturing Drive becomes the busiest street in town for 15 to 30 minutes at shift change, causing an unsafe and slow period of travel along Manufacturing Drive.* Adding turn lanes and other enhancements along the street will alleviate this congestion, which will vastly reduce commute time for workers and all motorists during this time.

Adjacent to Bluff Boulevard are census tracts 1 and 3. Both are identified as Areas of Persistent Poverty. The proposed Manufacturing Drive and Bluff Boulevard will increase access and opportunity for the residents of those areas.

Bluff Boulevard includes direct access to numerous schools including Bluff Elementary, the new STEM campus for the Clinton Community School District and Clinton Community College. As a major bus transportation corridor, it is important for the quality of life of our student citizens that this project receives a much-needed improvement. The High School is currently undergoing a \$62 million renovation which will lead to further demands on the roadway network.

There are many health care destinations with direct access from Manufacturing Drive and Bluff Boulevard such as the Medical Associates Urgent Care, the Mercy South hospital, and several local clinics. Enhanced access to these destinations will improve the health and vitality of the community. *Manufacturing Drive is also a major ambulance and fire route to many areas of town, which necessitates a wider than 2-lane road for emergency access.*

In addition to the above quality of life enhancements related to vehicle traffic, it is expected that the entire Manufacturing Drive and Bluff Boulevard corridor will receive pedestrian enhancements to improve corridor multi-modality. As discussed, a recreational path will be constructed along the entirety of Manufacturing Drive. This is important because currently there is severely limited pedestrian and bicycle access connecting these populated areas to the existing businesses at the west end of Clinton. In addition, a wider sidewalk will be constructed all along Bluff Boulevard,

which further connects the neighborhoods in the center of Clinton to the Manufacturing Drive area. All these improvements will be ADA compliant so that all citizens of Clinton will receive maximum pedestrian access to all improvements and the surrounding areas.

Lastly, it is expected that any necessary communication infrastructure will be included as part of this project. Currently, there is fiber optic in the western commercial area along Manufacturing Drive and US Route 30 at the south end of this project. The City of Clinton will take the lead on installing fiber optic ductwork and conduits as part of this project, which will serve as the backbone for future implementation of a high-speed fiber and broadband network. This will positively affect the quality of life of residents and businesses in Clinton for years to come.

d. Economic Competitiveness

The Manufacturing Drive and Bluff Boulevard roadway has 116 total business within 1 block of the road as shown by the zoning map in **Figure 11**. The total number of businesses are divided and organized into 18 Manufacturing and 98 Service/Retail. In addition, there are 6,065,511 square feet of commercial, retail, and manufacturing space being utilized on 548 acres of land with 3,604 employees. *This grant will provide the current businesses a safe and environmentally sound roadway that will not only optimize the transportation needs of these businesses but also increase the possibility for expansion leading to additional jobs and increasing the economic competitiveness of the City.*

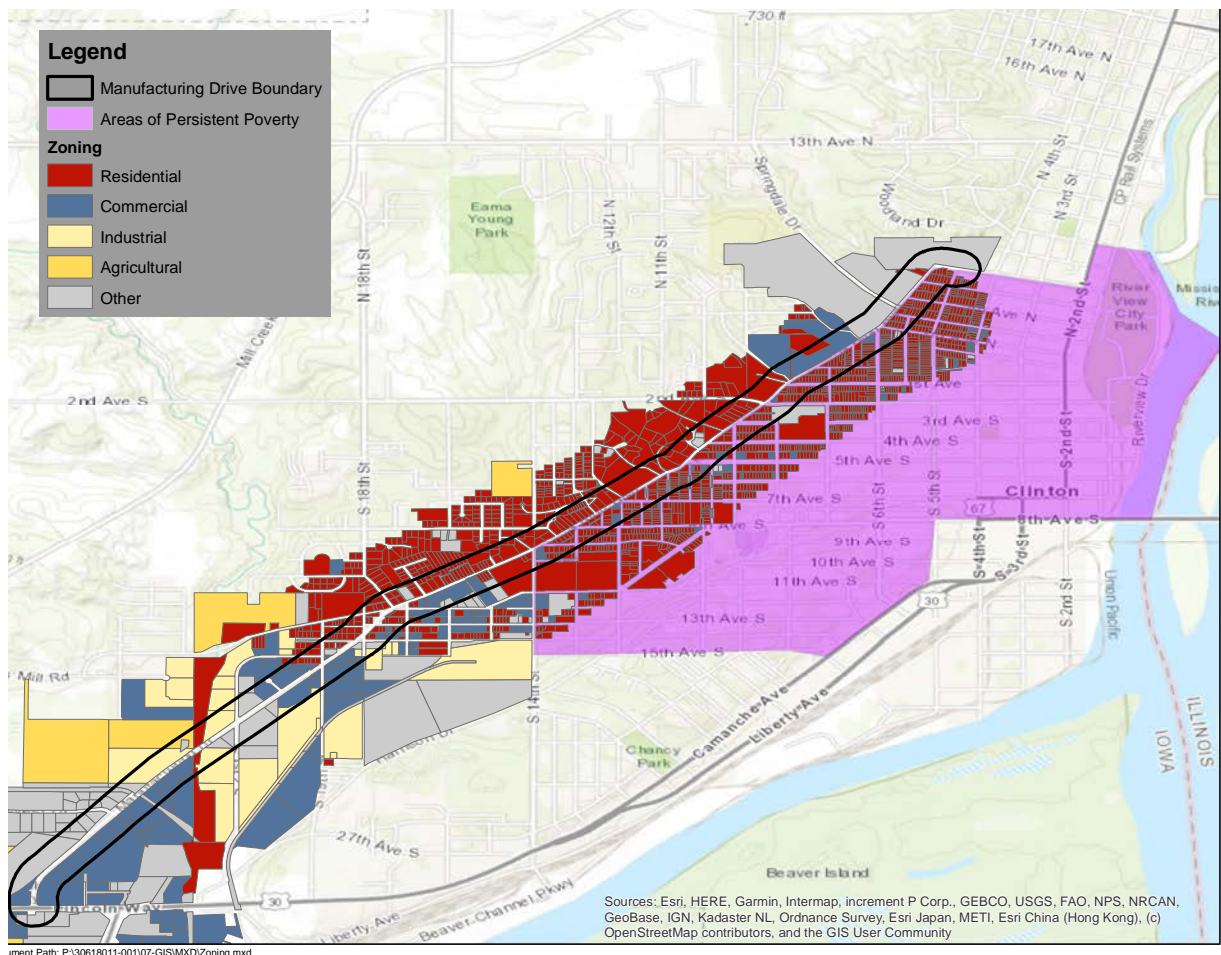


Figure 11. Zoning Map

The Manufacturing Drive and Bluff Boulevard corridor is a major artery through the heart of Clinton serving commuters to businesses and commercial parks on the west end of Clinton. The road services businesses with direct access to Manufacturing Drive, such as Nestle Purina, among many other businesses. Improvement of this roadway will increase the overall efficiency of movement of people and goods to these businesses, allowing the City of Clinton to save money and stimulate further development of the area where possible. This will also provide an alternative freight route to industries on South 19th Street and South 21st Street. Overall well-being of commuters and employees will be improved by simultaneous enhancements to the safety and capacity of the corridor.

Nestle Purina is currently planning an expansion of approximately \$140 million and will be adding another 73 jobs. A new manufacturing company, Timken Drives brought another 84 jobs to the area served by the Drive to Prosperity corridor in 2021 for a total of 157 new jobs. A 231-unit apartment complex is also being constructed adjacent to Manufacturing Drive. Zara Heights is a new housing development of 26 houses being planned off South 18th Street to name a few economic developments underscoring the need of improved transportation infrastructure for both businesses and residents.

The northern boundary of Clinton's Area of Persistent Poverty is Bluff Boulevard from South 14th Street to 7th Avenue. Reconstruction of Bluff Boulevard will allow this area to spur investment and regrowth which is a primary goal of the Opportunity Zone and RAISE Grant. ***Regrowth is important to this area since the City of Clinton has seen a 6.7 percent decline in population since the 2010 census according to the Iowa Data Center. This is a loss of about 1,800 residents.***

The road serves as a primary access to these residents and improved roadway and pedestrian facilities will enable better access to area residents jobs, schools, and healthcare facilities. The limits of the opportunity zone Area of Persistent Poverty are seen in **Figure 12**.

e. State of Good Repair

Manufacturing Drive and Bluff Boulevard is the second busiest roadway in the City of Clinton, yet there are stretches of the road that are lacking in good repair and capacity. While the City of Clinton has enhanced funding to the pavement management program over the past several years, the City has focused primarily on residential and collector streets. ***The City has allocated future spending along Manufacturing Drive and Bluff Boulevard but lacks the capital funds and borrowing capacity to improve the network to a condition consistent with the needs of the community.***

Development along the Valley Bluff commercial district where Walmart, Kohls, and other commercial business are located and industrial development in the Manufacturing Meadows tech park has increased the vehicle traffic throughout this corridor. While the development is certainly welcome and appreciated, the City was not prepared financially for this change in traffic. A total reconstruction of the corridor is in order and will be possible with the RAISE Grant.

Currently, the City of Clinton Street Division of the Public Works Department has six personnel responsible for maintaining and repairing approximately 145 center-line miles of streets in the City. Construction contracts are executed when large maintenance projects are needed to be completed. Everyday operations which city staff complete include street sweeping, repairing small sized roadways including maintenance and repair of seals, potholes, concrete, gravel and asphalt roads, alleys, cleaning, sign maintenance including retro-reflectivity requirements, and flood control. With the reconstruction of Manufacturing Drive and Bluff Boulevard, the City of Clinton can continue to spend its resources on other residential and collector streets, thereby improving the entire city street network.

corridor. Manufacturing Drive is home to their local headquarters, their largest distribution water main, and an important booster station located at South 19th Street & Manufacturing Drive. The letter of support outlining Iowa American Water’s commitment to the project can be found in [Appendix A](#).

- **Nestle Purina:** This facility is fully supportive of the project especially in reducing flooding that is caused by the Harts Mill Creek and Mill Creek. Nestle Purina is planning on partnering on flood prevention infrastructure near their plant. The plant is also planning on a major \$140 million expansion, adding another 73 jobs.
- **Alliant Energy:** Manufacturing Drive and Bluff Boulevard is an important corridor for the electrical and gas service provided by Alliant Energy. Alliant Energy will partner with the City to concurrently install underground electrical infrastructure in concrete vaults.

Non-Federal Revenue for Transportation Infrastructure Investment

The City of Clinton’s Capital Improvement Project (CIP) has allocated a total of \$10,300,000 along with another \$5,900,000 from Iowa DOT. Iowa American Water has pledged \$2,900,000 in FY2022 for water main improvements along the project corridor.

This RAISE Grant will not only repair one of the most traveled roads in the city but allow momentum to repair the remaining roads in the City. The City of Clinton remains committed to expending \$3,000,000 per year toward the pavement management plan.

b. Innovation

Innovative design, construction materials, and contracting methods will be evaluated and used in the **Drive to Prosperity** project.

i. Innovative Technologies

- A roundabout is planned at the intersection of Manufacturing Drive & South 19th Street.
- Several intersections will be re-aligned along the corridor to improve intersection site distance.
- All major intersections are planned to be signalized and will be interconnected with fiber. This will allow for the traffic signal progression along the corridor to help reduce congestion. In addition, emergency preemption will be added to each of these traffic signals to help with public safety.
- Solar Powered pedestrian walkway and roadway LED lighting will be evaluated.
- The City will also be using innovative storm water treatment strategies as shown [here](#) to filter harmful pollutants from the storm water runoff before entering local streams. The design will include construction of Bioretention cells, Bio-swales, permeable pavement, underground filtration rock chambers, among other practices aimed at improving quality of the storm water runoff and thereby decreasing harmful pollutants to the Mississippi River receiving waters. Specific bioretention areas and underground chambers will be aimed at collecting and treating runoff before transmission to the trunk storm sewers and eventually to the Mississippi River.

ii. Innovative Project Delivery

- Permeable pavement will be evaluated and used on all residential side streets, particularly on South 18th Street, 12th Avenue South, and the many cul-de-sacs. The City is experienced with the design and installation of permeable pavers. Permeable pavement was recently installed on 25th Avenue North.
- Pipe and conduits will be specified to use recycled plastic where possible.
- Lightweight cellular concrete will be used as backfill at retaining walls throughout the corridor.
- The concrete pavement will be reused as pipe backfill and road base for the project.

iii. Innovative Financing

- The City of Clinton would like to consider Federal Highway Administration (FHWA) Special Experimental Projects No. 14 (SEP-14) – Alternative Contracting guidelines to speed up the construction process. This provision allows for cost-plus-time-bidding which fits well with the Iowa DOT A+B bidding process. Therefore, the City would use the Iowa DOT A+B bidding process to select the contractor and allow an incentive/disincentive for completing the project based a set amount of time for construction.

V. Environmental Risk Review/Demonstrated Project Readiness

a. Project Schedule and Technical Feasibility

The City of Clinton hired McClure Engineering Company to develop preliminary plans for the project corridor. [Design criteria](#) was established for both Manufacturing Drive from US Route 30 to South 19th Street and for Manufacturing Drive and Bluff Boulevard from South 19th Street to 7th Avenue North in accordance with Iowa DOT and SUDAS guidelines. A topographic survey was obtained to assist with design development. NEPA environmental review as completed as can be in [Appendix B](#). A detailed environmental review was performed as part of the preliminary and final design for the Manufacturing Drive project in 2020. The reports and a letter to SHPO from the Iowa DOT can be seen [here](#). [Geotechnical Reports](#) were completed to determine expected conditions along the corridor to assist with the project cost estimate. Utility maps have been obtained and reviewed to evaluate underground conflicts. **The City of Clinton has also hired McClure Engineering Company to perform the preliminary and final design of the Manufacturing Drive project from US 30 to College Avenue.**

A [strip map](#), [detailed plan sheets](#) including typical section, [select cross sections](#), and select profile sheets have been produced for the project. These preliminary plans validate that the design criteria can be met for the project. Quantities were calculated for major items of work and detailed cost estimates were prepared for the project based on unit prices from the Iowa DOT Bidx databases. As the design is preliminary and there are still several unknowns a 20 percent contingency was added to the [cost](#).

The proposed project schedule shown in **Figure 13** and [here](#) for the project has been prepared in accordance with the Iowa DOT's recommended schedule for Federal-Aid projects. The proposed project schedule provides adequate time to meet the RAISE Grant obligation and expenditure requirements as required by the Notice of Funding Opportunity.

Project Schedule

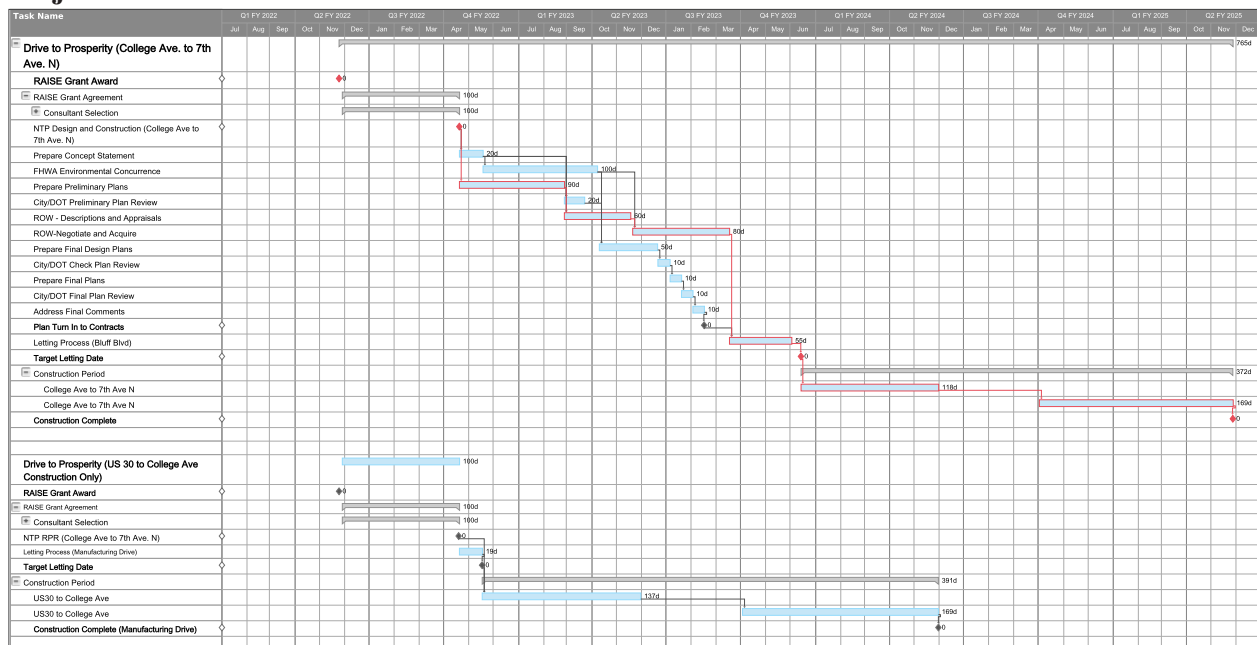


Figure 13. Project Schedule

The City intends to perform the work in two phases, Reconstruction of Manufacturing Drive from US 30 to College Avenue and Reconstruction of Bluff Boulevard from College Ave to 7th Avenue North. The City has already started the preliminary and final design of the Manufacturing Drive in April 2020 for an anticipated letting in May 2022. As a result, the proposed schedule shown includes the design for the Bluff Boulevard portion and the construction of the entire Manufacturing Drive/Bluff Boulevard corridor. At the date of preparing this application, 90% design plans for Manufacturing Drive were completed. These plans can be seen [here](#). The City intends to start the design of the Bluff Boulevard by April 2022 and for a proposed letting in June 2023. The City anticipated the entire project to be constructed by November 2025.

Preliminary Right-of-way discussions have already started with property owners. The City has currently acquired two parcels and plans to acquire two additional parcels later this year along the Manufacturing Drive. The parcels acquired to date and the other parcels likely to have right-of-way impacts are shown in [Appendix C](#). Right-of-way acquisition for the Bluff Boulevard portion of the work may take several months after preliminary design is complete, but a reasonable bid letting date will be for the Manufacturing Drive portion of the project and a letting date of June 2023 for the Bluff Boulevard. The construction is expected to start in July 2022 for the Manufacturing Drive portion and the total project is expected to be completed by November 2023 which will be well in advance of the September 30, 2029 expenditure deadline for the RAISE grant. The project schedule which includes key milestones are shown in **Figure 13** and [here](#). This schedule meets the timing requirements for an Iowa DOT bid letting. It is to be noted that the project schedule has been established assuming a conventional Design-Bid-Build process. The City intends to utilize the Iowa DOT's A+B bidding process which meets the requirements of the FHWA's Special Experimental Projects No. 14 (SEP-14) – Alternative Contracting guidelines which should further reduce the construction period.

b. Required Approvals

1. Environmental Permits and Review

To meet the NEPA requirements for the RAISE Grant application, an environmental review of the project corridor was completed June 2018 using available databases. The NEPA review included the following 18 items as presented in the checklist on the following page. Additionally, the Iowa DOT's Location and Environment Bureau has indicated that the environmental review performed would meet the requirements for an environmental Categorical Exclusion for the Manufacturing Drive portion of the project currently under design. This correspondence can be seen in [Appendix B](#).

The NEPA Summary in [Appendix B](#) provides more information about each resource listed in the checklist. Impacts due to the Manufacturing Drive project in Clinton are expected to be minor and this project will be consistent with federal, state and local law relating to the environment and with community plans. Overall, this project will benefit those living and working near Manufacturing Drive as well as the community of Clinton as a whole.



Sites of Cultural Significance along Bluff Boulevard

NEPA Checklist
Manufacturing Drive/S. Bluff Boulevard from U.S. 30 to North 5th Street
Clinton, Iowa

	Resource Area	Potential Effect	
		Yes	No
1	Woodlands: Will there be areas of significant impacts to woodlands over 2 acres?		X
2	Threatened & Endangered Species: Will there be impacts to T & E species or their habitat?		X
3	Right-of-Way and Displacements: Will right-of-way be acquired? Homes displaced?	X ¹	
4	Cultural Resources (National Register of Historic Places and Archaeological Resources: Will there be impacts to significant cultural resources?		X
5	Floodplains and Water Quality: Is the project located in a 100-year floodplain?	X ²	
6	Wetlands: Are wetlands present in the project corridor?	X ³	
7	Farmland: Is farmland present in the project corridor?		X
8	Parks and Section 6(f) Lands: Are parks present in the project corridor? Do any of these parks fall under Section 6(f)?	X ⁴	
9	Regulated Materials Sites: Is there high risk of encountering regulated materials sites within the project corridor?		X
10	Noise Impacts: Will adjacent properties experience a noise impact from the project?		X
11	Pedestrian and Bicycle Facilities: Will the project negatively impact pedestrian and bike facilities?		X
12	Air Quality: Will the project have an adverse effect on air quality?		X
13	Environmental Justice Communities: Will the project have an adverse impact on EJ populations?		X
14	Visual Impacts: Will there be significant negative visual impacts due to the project?		X
15	Construction/Detour Impacts: Will traffic delays and detours occur during construction of the project?	X ⁵	
16	Safety: Will safety be <u>improved</u> as a result of this project?	X	
17	Utilities: Will there be significant impacts to utilities in the corridor?		X
18	Mitigation Measures: Will mitigation be undertaken as part of the project?	X ⁶	
¹ Some minor strip right-of-way will be acquired but minimized as much as possible; up to 2 homes may be acquired near intersections.			
² The project includes replacing the bridges over Hart Mill Creek and Mill Creek. They will be designed to a no-rise condition and appropriate permits will be obtained prior to construction.			
³ Wetland delineations will be conducted to determine exact impacts. If wetlands are unavoidable, mitigation as appropriate will be done.			
⁴ Neubauer Park is located at S. Bluff Blvd and 7 th Ave S; avoidance and minimization alternatives will be analyzed. No Section 6(f) lands in the project corridor.			
⁵ Construction will be phased to minimize traffic delays and detours to the extent possible.			
⁶ Mitigation related to property acquisition, wetlands or any other resources will be conducted as appropriate.			

2. State and Local Approvals

This project is included in East Central Intergovernmental Association's [Transportation Improvement Program \(TIP\)](#) and [2040 Long Range Transportation Plan](#) for the reconstruction on Manufacturing Drive between the Union Pacific Railroad crossing to Manufacturing Drive and South Bluff Boulevard intersection. Once additional federal funds are secured, the complete reconstruction and resurfacing shown in the grant will be included in the appropriate long-range plans and TIP.

This project is consistent with the City's goals, initiatives, and strategies. Local and regional support for the project is expressed as shown in [here](#), Project Parties, and by the numerous support letters included in [Appendix A](#).

The City conducted three public information meetings on June 11th, July 19th, 2019 and June 27th, 2020 during the preliminary plan preparation meetings to gather feedback from residents. A fourth public information meeting was conducted on June 29th, 2021 that was primarily intended for the residents directly impacted by the project. More information on these meetings can be seen [here](#). The project has received positive feedback from residents and property owners and businesses along the corridor. The City is working proactively to acquire the parcels needed for the right-of-way for the currently under design Manufacturing Drive portion with two parcels already acquired and two more on track for acquisition later in 2021. The City continues to have discussions with other property owners who may be impacted during construction for required temporary construction easements.



Published article in the Clinton Herald discussing the BUILD Grant public meeting held by City officials in June 2019.



June 29, 2021 RAISE Grant public meeting. Almost all landowners who will be effected by Right-of-Way modifications were present and discussed in detail each of their situation. Clinton City officials will meet with each individual landowner and provide appropriate financial support to assist them in relocating to another home in Clinton.

3. Federal Approvals

No federal approvals are anticipated at this time to advance this project. Initial discussions with the Iowa DOT have indicated that the Manufacturing Drive Reconstruction project currently under design qualifies for a Categorical Exclusion. The City believes that the Bluff Boulevard project will also qualify for a Categorical Exclusion. However, it is to be noted that the proposed project schedule allows for a full NEPA evaluation and approval process.

c. Assessment of Project Risk and Mitigation Strategies

The project presents minimal risk. The risks that we anticipate can be managed and are shown below:

Environmental unknowns:

- The City and consultants will conduct the environmental assessment to determine any impact to the project. Environmental concerns will be evaluated, and the project impact assessed. Extra field evaluation will be performed if necessary. Although discussions with the Iowa DOT on the Manufacturing Drive portion of the project indicates that this part of the project meets the requirements for a categorical exclusion, the City has proactively performed additional fieldwork comprising of archaeological and wetland delineation for the Manufacturing Drive portion of the project that is currently under design.

Right-of Way and Easement Acquisition:

- Right-of way acquisition is a minor component and will not affect the schedule. Plenty of time is built in the design schedule to enter the condemnation process if necessary. Many of the businesses that will provide Right-of-way and easements are supporters of the project. The properties likely to be a total acquisition and those that have been acquired to date are shown in [Appendix C](#). The City has had and continues to have preliminary discussions with the property owners in anticipation of the Grant funding.

Flooding:

- The existing project is vulnerable to flooding due to its proximity to the Mississippi River. The risk will be mitigated by having most of construction scheduled out of the flood season. The City of Clinton has developed quick and efficient methods of utilizing the levee system placing in the gates prior to the river rising above 16.5 inches, to ensure limited delays will not affect the schedule.



July 2017 Flooding

Photo Source: The Clinton Herald

VI. Benefit-Cost Analysis

A [Benefit Cost Analysis \(BCA\)](#) was performed for the Drive to Prosperity Corridor. The project site is a major arterial through the heart of Clinton and will help get people and goods to their destinations more efficiently. The project also supports connectivity to the new bike pedestrian trail system the currently has a gap within the project area.

- The proposed project will result in a net present value total cost of \$31,033,139 with a 7% discount rate. The total benefits to the project are estimated to be a net present value of \$57,845,500. **This results in a Benefit Cost Ratio of 1.86.** The project's costs and benefits are documented below and the assumptions used in the calculations can be found in the Excel Workbook in the grants.gov application.

Benefits	Total Benefits Undiscounted	Total Benefit Discounted at 7%	Total Benefit Discounted at 3%
Property Value Benefits	\$37,226,156	\$29,393,611	\$33,571,082
Environmental Benefits	\$2,614,683	\$1,103,521	\$1,743,005
Crash Reduction Benefits	\$52,043,743	\$21,723,407	\$34,616,403
Maintenance Benefits	\$3,213,843	\$2,197,293	\$2,661,109
Vehicle Operating Benefits	\$1,061,023	\$860,285	\$1,370,870
Vehicle Hours Cost	\$3,593,470	\$1,081,065	\$2,091,120
Social Benefits	\$1,486,284	\$1,486,284	\$1,486,284
TOTAL	\$102,239,284	\$57,845,500	\$77,539,873

Reducing the amount of stormwater entering the outdated sewer system is critical to mitigate this health hazard and improve the Mississippi River's water quality. Clinton proposes to increase the storm capacity and replace an outdated sanitary sewer system. When discounted over 25 years (at 7% rate), these improvements are expected to provide a \$1.10 million benefit.

Clinton's BCA estimates that the community will save approximately \$2,170,000 in crashes per year, beginning in 2024. When discounted over 24 years (7% rate), this amounts to a \$20.3 million benefit.

Some of the Manufacturing Drive and Bluff Boulevard pavement sections are over 100 years old. Maintenance is scheduled approximately every 15 years, with the next maintenance effort scheduled for 2023 and 2025. Given that the project includes extensive roadway rehabilitation and streetscaping (reflected in costs), this maintenance can be deferred until 2038 and 2040. When discounted over 25 years (at 7% rate), this deferred maintenance provides a modest benefit of \$2.20 million.

The project will help residents and commuters avoid the cost of owning a car, particularly low-income households in the opportunity zone along Bluff Boulevard. According to AAA, owning and operating a car costs \$8,849 per year (AAA's 2018 Your Driving Costs study). Each vehicle that the project helps an individual avoid owning or using means significant funds are available for other expenses. Providing transportation choices such as improved transit, better walkability and bike lanes helps residents decide to forgo owning a personal vehicle and generates significant local purchasing power. Travel time savings will also contribute to quality of life. Less time spent behind the wheel will provide residents with greater opportunities to enjoy leisure activities. Initially, there will be approximately no improvement in travel time along the corridor. However, by 2040 the corridor will experience a 10 second decrease in travel time which is over a 2% improvement.

This assumption leans conservative since it only includes the travel time improvement for vehicles along the corridor and ignores any improvement from sidestreet vehicles. Additionally, it does not include any improvement benefit from signal coordination due to potential fiber connectivity. When discounted over 24 years (at 7% rate), this travel time savings equates to a \$1.10 million benefit.

The table below provides an overview of the current conditions along the project corridor and summarizes some of the project's elements and associated benefits.

Current Status/ No Build & Problem to be Addressed	Change to No Build/Alternatives	Types of Impacts	Population Affected by Impacts
Corridor has vacant or undeveloped parcels and areas that are considered blighted.	The project includes extensive streetscaping and accessibility elements.	Increased property values as a result of the extensive streetscaping and accessibility improvements.	Residents, business owners, and tourists will benefit.
Corridor has substantial amounts of impervious surface and rainfall currently runs off these surfaces into a Storm Water system. This excess water places substantial strains on the existing Storm Water system which is old and under capacity. The under capacity storm water system is causing flooding as it is not able to handle excessive storm water.	Upgrade the storm water system.	Increase capacity of Storm Water system will reduce flooding and annual maintenance costs for the city.	The City and the environment will benefit.
Corridor has an outdated Sanitary Sewer system and it has exceed its capacity. Cracks and breaks in old sewer lines are allowing Storm water to infiltrate the system, escalating flows to the point that the system is overloaded.	Replace the existing Storm Water system with more capacity system.	Reduced burden on the sewer system, which will decrease treatment and maintenance costs and lower the capacity requirements for future pumps (which, in turn, will lower the replacement costs)	The City and the environment will benefit.
The Drive to Prosperity Corridor is dangerous and experienced approximately 242 crashes from 2015 to 2019, 26 of which resulted in injuries.	The project includes traffic calming measures on both Manufacturing Drive and Bluff Boulevard.	Fewer crashes. Wider sidewalks and curb extensions will increase pedestrian network connectivity and reduce crossing distances for pedestrians.	All populations will benefit.
The current road and sidewalk infrastructure is crumbling and in need of immediate repair. However, extensive maintenance is not scheduled for the corridor until 2023.	The project includes substantial roadway and sidewalk rehabilitation.	Safer streets, better pavement quality, and opportunities for additional revitalization.	All populations will benefit.
Pedestrian accessibility and mobility is limited by the aging infrastructure, lack of ADA Accessible Design, and overall gaps in the sidewalk network.	The project is accommodating bike and pedestrians by creating ADA accessible design and addressing gaps in the sidewalk network	Improve safety for Pedestrian and Bicyclists and attract more people to walk and bike the corridor.	Pedestrians, cyclists, and those who use wheelchairs or motor-assisted scooters will benefit from the traffic calming and ADA improvements. Students will greatly benefit by the increased mobility and safety.
Lack of pedestrian accessibility and limited mobility by the aging infrastructure, lack of ADA Accessible Design, and overall gaps in the sidewalk network discourages travelers from using non-motorized modes of transportation.	The project replaces multiple turn lanes with one turn lane and utilizes signal phasing improvements. In addition, the project addresses gaps in the sidewalk network.	Reduced vehicle miles traveled based on reduction in number of vehicles due to mode shift.	All populations will benefit.
Due to lack of signal connectivity and synchronizitation, the delay time through the corridor is significant.	The project connects traffic signals within the corridor with fiber and signal timing changes by time of day activity. Hence improving the overall travel time through the corridor.	Reduced vehicle hours traveled due to reduction in travel time in the corridor.	All populations will benefit.

Federal Wage Rate Certification

The City of Clinton will comply with the requirements stated in Subchapter 31 of Title 40 of the United States code of Federal Wage Requirements.

APPENDIX A

PROJECT SUPPORT LETTERS

RESOLUTION NO. 2021-418

RESOLUTION APPROVING AND AUTHORIZING THE APPLICATION FOR A DEPARTMENT OF TRANSPORTATION RAISE DISCRETIONARY GRANT FOR THE DRIVE TO PROSPERITY: MANUFACTURING DRIVE/BLUFF BOULEVARD RECONSTRUCTION PROJECT

WHEREAS, The U.S. Department of Transportation (DOT) has formally announced the Rebuilding American Infrastructure with Sustainability and Equity (RAISE) Transportation Discretionary Grants program; and,

WHEREAS, The Consolidated Appropriations Act of 2021 made available \$1 Billion for National Infrastructure Investments, otherwise known as RAISE grants; and,

WHEREAS, The Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction project is a surface transportation project that satisfies many of the selection criteria identified in the grant, including: located in a rural area, safety benefits, state of good repair, economic competitiveness, environmental protection, quality of life, benefits to Areas of Persistent Poverty, innovation, partnership and demonstrated project readiness; and,

WHEREAS, project development including initial work required to comply with the Nation Environmental Policy Act and the National Historic Preservation Act has been done; and,

WHEREAS, the total project cost is estimated to be \$38.1 million, with the RAISE grant application amount of \$19 million, and including \$19.1 million budgeted local and state fund, as shown in the table below; and,

DRIVE TO PROSPERITY - PROJECT BUDGET

Items	Itemized Totals	FY 2022	FY 2023	FY 2024	BLUFF BLVD
Right-of-Way	\$1,000,000	\$0	\$1,000,000	\$0	\$0
Design Engineering	\$1,200,000	\$0	\$600,000	\$600,000	\$0
Constr Engineering	\$2,000,000	\$0	\$500,000	\$500,000	\$1,000,000
Construction	\$33,900,000	\$2,900,000	\$8,000,000	\$5,500,000	\$17,500,000
TOTAL	\$38,100,000	\$2,900,000	\$10,100,000	\$6,600,000	\$18,500,000

Resolution NO. 2021-418 - RESOLUTION APPROVING AND AUTHORIZING THE
APPLICATION FOR A DEPARTMENT OF TRANSPORTATION RAISE
DISCRETIONARY GRANT FOR THE DRIVE TO PROSPERITY: MANUFACTURING
DRIVE/BLUFF BOULEVARD RECONSTRUCTION PROJECT

DRIVE TO PROSPERITY - PROJECT BUDGET

**Fund
Sources**

City of Clinton	\$10,300,000	\$0	\$4,000,000	\$2,300,000	\$4,000,000
Iowa DOT	\$5,900,000	\$0	\$2,300,000	\$1,600,000	\$2,000,000
Iowa American Water	\$2,900,000	\$2,900,000	\$0	\$0	\$0
RAISE Grant	\$19,000,000	\$0	\$3,800,000	\$2,700,000	\$12,500,000
TOTAL	\$38,100,000	\$2,900,000	\$10,100,000	\$6,600,000	\$18,500,000

WHEREAS, the Manufacturing Drive phase of the project is shovel-ready and could be scheduled for bidding in early 2022 if the grant is awarded; and,

WHEREAS, final design of the Bluff Boulevard project would begin in early 2022 for construction in 2024/2025 if the grant is awarded; and,

WHEREAS, the City Engineer recommends that the City Council authorize the Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction project for the Department of Transportation National Infrastructure Investments, also known as RAISE Transportation Discretionary Grants.

THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CLINTON, IOWA that the City Engineer or his designee is authorized to submit the above described grant application in the amount of \$19 million on behalf of the City of Clinton to the United States Department of Transportation.

BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF CLINTON, IOWA that the Mayor and City Clerk are hereby authorized and directed to execute said application and required certifications for and on behalf of the City of Clinton, Iowa.

This resolution is adopted by the City of Clinton and approved by the Mayor this 22 day of June 2021



Mayor

Resolution NO. 2021-418 - RESOLUTION APPROVING AND AUTHORIZING THE APPLICATION FOR A DEPARTMENT OF TRANSPORTATION RAISE DISCRETIONARY GRANT FOR THE DRIVE TO PROSPERITY: MANUFACTURING DRIVE/BLUFF BOULEVARD RECONSTRUCTION PROJECT

ATTEST:



City Clerk

JONI K. ERNST
IOWA

VICE CHAIRMAN,
SENATE REPUBLICAN CONFERENCE

WASHINGTON, DC OFFICE
730 HART SENATE OFFICE BUILDING
WASHINGTON, DC 20510
PHONE: 202-224-3254
FAX: 202-224-9369
WWW.ERNST.SENATE.GOV

United States Senate

COMMITTEES
ARMED SERVICES
AGRICULTURE, NUTRITION
AND FORESTRY
ENVIRONMENT
AND PUBLIC WORKS
JUDICIARY
SMALL BUSINESS
AND ENTREPRENEURSHIP

July 8, 2021

The Honorable Pete Buttigieg
Secretary
U.S. Department of Transportation
1200 New Jersey Avenue SE
Washington, DC 20590-0001

Dear Secretary Buttigieg,

I am proud to support the RAISE grant application submitted to you by the City of Clinton, Iowa. The City's proposed project, known as the Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction, will enhance access to essential healthcare services, provide a safe route for students from Clinton STEM Academy's Campus to the high school, bolster pedestrian and bicyclist amenities, and support increased community vibrancy and better health outcomes.

This roadway is an important component to Clinton's infrastructure, connecting the north and south parts of the community. The nearly 100-year-old roadway is now stressed with capacity constraints and has seen nearly 400 crashes between 2015-2019 alone, in addition to severe flooding incidents over the last few years. This project includes the complete reconstruction of Manufacturing Drive and Bluff Boulevard from US Route 30 to 7th Avenue North. It includes numerous safety and environmental improvements to bring this road up to a good state of repair.

This project does not only improve the roadway surface, but also improves the quality of life for residents and businesses along the corridor including designated Areas of Persistent Poverty (Census Tracts 1 and 3). In addition to enhanced pedestrian safety, the corridor improvements will include adding infrastructure necessary for future implementation of a high-speed fiber, broadband network. This infrastructure will position the City of Clinton as a primary gateway to the area, which has been identified as an "Opportunity Zone" by the U.S. Department of the Treasury.

The Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction project is a necessary and worthwhile investment which will have a profound effect on the future viability of the area. Consistent with the goals of the RAISE grant program, this project will improve safety, provide good state of repair, foster innovation and provide a much-needed boost to economic vitality for not only the City but the surrounding region as well. For these reasons I fully support this project.

I would appreciate your thorough and expeditious consideration for Clinton, in accordance with all rules and regulations. Please forward your response to Emily Gaard in my Des Moines office at 733 Federal Building, 210 Walnut Street, Des Moines, IA 50309 or by phone at (515) 284-4574. Emily may also be reached by email at Emily_Gaard@ernst.senate.gov.

DES MOINES OFFICE
733 FEDERAL BUILDING
210 WALNUT STREET
DES MOINES, IA 50309
PHONE: 515-284-4574
FAX: 515-284-4937

CEDAR RAPIDS OFFICE
111 SEVENTH AVENUE SE
SUITE 480
CEDAR RAPIDS, IA 52401
PHONE: 319-365-4504
FAX: 319-365-4663

DAVENPORT OFFICE
201 WEST SECOND STREET
SUITE 806
DAVENPORT, IA 52801
PHONE: 563-322-0677
FAX: 563-322-0854

SIoux CITY OFFICE
194 FEDERAL BUILDING
320 SIXTH STREET
SIoux CITY, IA 51101
PHONE: 712-252-1550
FAX: 712-252-1638

COUNCIL BLUFFS OFFICE
221 FEDERAL BUILDING
8 SOUTH SIXTH STREET
COUNCIL BLUFFS, IA 51501
PHONE: 712-352-1167
FAX: 712-352-0087

Sincerely,



Joni K. Ernst
United States Senator

JE/EG

REPLY TO:

☐ 135 HART SENATE OFFICE BUILDING
WASHINGTON, DC 20510-1501
(202) 224-3744
www.grassley.senate.gov

☐ 721 FEDERAL BUILDING
210 WALNUT STREET
DES MOINES, IA 50309-2106
(515) 288-1145

☐ 111 7TH AVENUE, SE, BOX 13
SUITE 6800
CEDAR RAPIDS, IA 52401-2101
(319) 363-6832

United States Senate

CHARLES E. GRASSLEY
PRESIDENT PRO TEMPORE

WASHINGTON, DC 20510-1501

May 11, 2020

REPLY TO:

☐ 120 FEDERAL BUILDING
320 6TH STREET
SIOUX CITY, IA 51101-1244
(712) 233-1860

☐ 210 WATERLOO BUILDING
531 COMMERCIAL STREET
WATERLOO, IA 50701-5497
(319) 232-6657

☐ 201 WEST 2ND STREET
SUITE 720
DAVENPORT, IA 52801-1817
(563) 322-4331

☐ 307 FEDERAL BUILDING
8 SOUTH 6TH STREET
COUNCIL BLUFFS, IA 51501-4204
(712) 322-7103

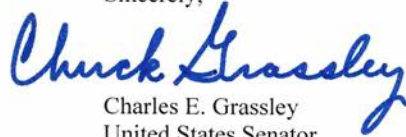
Matt Brooke
City Administrator
City of Clinton, Iowa
611 South 3rd Street
Post Office Box 2958
Clinton, Iowa 52732-2958

Dear Mr. Brooke:

I have contacted Secretary Chao of the U.S. Department of Transportation regarding the BUILD application submitted by the City of Clinton for Drive to Prosperity: Manufacturing Drive and Bluff Boulevard. I asked that this application be given all due consideration. Should I receive a response from the U.S. Department of Transportation, I will relay the necessary information to you.

Thank you for allowing me to be of assistance to you. If you have any further questions regarding this, or any other federal matter, please do not hesitate to contact me again.

Sincerely,


Charles E. Grassley
United States Senator

CHAIRMAN,
FINANCE

Committee Assignments:

AGRICULTURE
BUDGET
JUDICIARY

INTERNATIONAL NARCOTICS
CONTROL CAUCUS

PRINTED ON RECYCLED PAPER

Congress of the United States
House of Representatives
Washington, DC 20515-1502

June 25, 2021

The Honorable Pete Buttigieg
Secretary of Transportation
1200 New Jersey Avenue SE
Washington DC, 20590

Dear Secretary Buttigieg:

I write to you regarding the City of Clinton's application for federal funding through the Rebuilding American Infrastructure with Sustainability and Equity (RAISE) program for their Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction project. Please give their application due consideration under all applicable rules and laws.

According to the project sponsors, the proposed project will enhance access to essential healthcare services, provide a safe route for students from Clinton STEM Academy's Campus to the high school, bolster pedestrian and bicyclist amenities, and support increased community vibrancy and better health outcomes. This roadway is an important component to Clinton's infrastructure, connecting the north and south parts of the community. The nearly 100-year-old roadway is now stressed with capacity constraints and has seen nearly 400 crashes between 2015-2019 alone, in addition to severe flooding incidents over the last few years. This project includes the complete reconstruction of Manufacturing Drive and Bluff Boulevard from US Route 30 to 7th Avenue North. It includes numerous safety and environmental improvements to bring this road up to a good state of repair.

For these reasons and those further described in their grant application, I would appreciate your full and fair consideration of the City of Clinton for the RAISE grant program. If you have any questions, please reach out to Caroline Bender at (202) 225-6576 or at caroline.bender@mail.house.gov.

Sincerely,



Mariannette Miller-Meeks, M.D.
Member of Congress

PRINTED ON RECYCLED PAPER

Congress of the United States
House of Representatives
Washington, DC 20515-1503

June 12, 2019

Secretary Elaine L. Chao
Secretary of Transportation
United States Department of Transportation
1200 New Jersey Avenue, Southeast
Washington, DC 20590

Secretary Chao,

I have been contacted by my constituent, Ms. Bethany Wilcoxon, who works for McClure Engineering Company in Clive, Iowa. McClure Engineering Company is working on behalf of the City of Clinton in Iowa to acquire funding from the USDOT BUILD Grant for their project, Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction. Ms. Wilcoxon explained the city's request and anticipated benefits of the project in the attached fact sheet.

We thank you for your full and fair consideration consistent with applicable laws, rules, and regulations in the processing on this waiver request.

We also thank you for reviewing the attached documents provided by Ms. Wilcoxon.

Please do not hesitate to contact our Caseworker, Chloe Gearhart, at chloe.gearhart@mail.house.gov regarding this matter. We appreciate any updates you may be able to provide.

Sincerely,



Congresswoman Cindy Axne (IA-03)
U.S. House of Representatives

PRINTED ON RECYCLED PAPER



Kim Reynolds
GOVERNOR

OFFICE OF THE GOVERNOR

Adam Gregg
LT. GOVERNOR

April 23, 2020

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Support for the City of Clinton's Drive to Prosperity: Manufacturing Drive/Bluff Boulevard
Reconstruction BUILD Grant Application

Dear Secretary Chao:

I am proud to support the BUILD grant application submitted to you by the City of Clinton. The City's proposed Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction project will enhance access to essential services, including multiple healthcare providers, provide a safe route for students from Clinton STEM Academy's Campus to the high school, bolster pedestrian and bicyclist amenities, and support increased community vibrancy and better health outcomes.

This roadway is an important component to Clinton's infrastructure, connecting the north and south parts of the community. The nearly 100 years old roadway is now stressed with capacity constraints and has seen nearly 400 crashes in the last 5 years in addition to severe flooding incidents over the last few years. This project includes the complete reconstruction of Manufacturing Drive and Bluff Boulevard from US Route 30 to 7th Avenue North. It includes numerous safety and environmental improvements to bring this road up to a good state of repair.

This project improves the roadway surface while also improving the quality of life to residents and business along the corridor by including the infrastructure necessary for future implementation of a high-speed fiber and broadband network. This infrastructure will position Clinton to be a 21st Century leader and serve as a primary gateway to the area that has been identified as an "Opportunity Zone" by the US Department of the Treasury.

The Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction project is a necessary and worthwhile investment which will have a profound effect on the future viability of the area. Consistent with the goals of the BUILD grant program, this project will improve safety, provide good a state of repair, foster innovation and provide a much-needed boost to economic vitality for not only the City but the surrounding region as well. For these reasons, I fully support this project.

Sincerely,

A handwritten signature in black ink, appearing to read "Kim Reynolds".

Kim Reynolds
Governor of Iowa



Alliant Energy
200 First Street SE
P.O. Box 351
Cedar Rapids, IA 52406-0351

1-800-ALLIANT (800-255-4268)
alliantenergy.com

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Support for the City of Clinton's Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction BUILD Grant Application

Dear Secretary Chao:

Alliant Energy enthusiastically supports the City of Clinton's application for funding through the US Department of Transportation's BUILD Transportation Discretionary Grant Program.

A strong transportation network is imperative to our success. Completing the Manufacturing Drive and Bluff Boulevard reconstruction project – a total reconstruction and enhancement of the alignment from US Route 30 to 7th Avenue North – will ensure the safe, efficient movement of people and goods for decades to come.

The BUILD-supported reconstruction project will allow the City of Clinton to simultaneously enhance the safety and capacity of the corridor all while making several environmental enhancements in the area. The project will enhance access to essential services, including multiple healthcare providers, a safe route for students from Clinton STEM Academy's Campus to the high school, and will bolster pedestrian and bicyclist amenities, supporting both increased community vibrancy and better health outcomes. Furthermore, the project will include the infrastructure necessary for future implementation of a high-speed fiber and broadband network, which will position our community to be a 21st century leader and serve as a primary gateway to the area that has been identified as an "Opportunity Zone" by the US Department of the Treasury.

Alliant Energy believes the BUILD-supported reconstruction project will assist in the efficient movement of our vehicles around the community as we provide safe and reliable service to our customers in Clinton. We also feel improved traffic flow will assist our customers and bring economic vitality to the area.

We are pleased to support the City of Clinton's BUILD Grant application for the Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction. This project is important to the economic vitality of the region; it will improve the quality of life and allow the City to improve the condition of key infrastructure.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Shupp", written in a cursive style.

Steve Shupp
Senior Economic Development Manager
Alliant Energy



June 22, 2018

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

Randy Moore
President
5201 Grand Avenue.
Davenport, IA 52807
Randy.Moore@amwater.com
P 563.468.9218
F 563-322-4325

RE: Support for the City of Clinton's Drive to Prosperity: Manufacturing Drive/Bluff Blvd Reconstruction BUILD Grant Application

Dear Secretary Chao:

Iowa American Water fully supports the City of Clinton's BUILD Grant application for reconstruction of Manufacturing Drive/Bluff Boulevard from Valley West Drive to 7th Avenue North.

Iowa American Water routinely partners with the City of Clinton to replace aging water infrastructure during City street reconstruction projects. These partnering projects allow us to gain cost and time efficiencies and provide the least amount of disturbance to residents and businesses that we serve. In addition to numerous residential City street projects, we have also collaborated on highway and major corridor projects such as Liberty/Camanche Avenue (Highway 30) and 19th Avenue North.

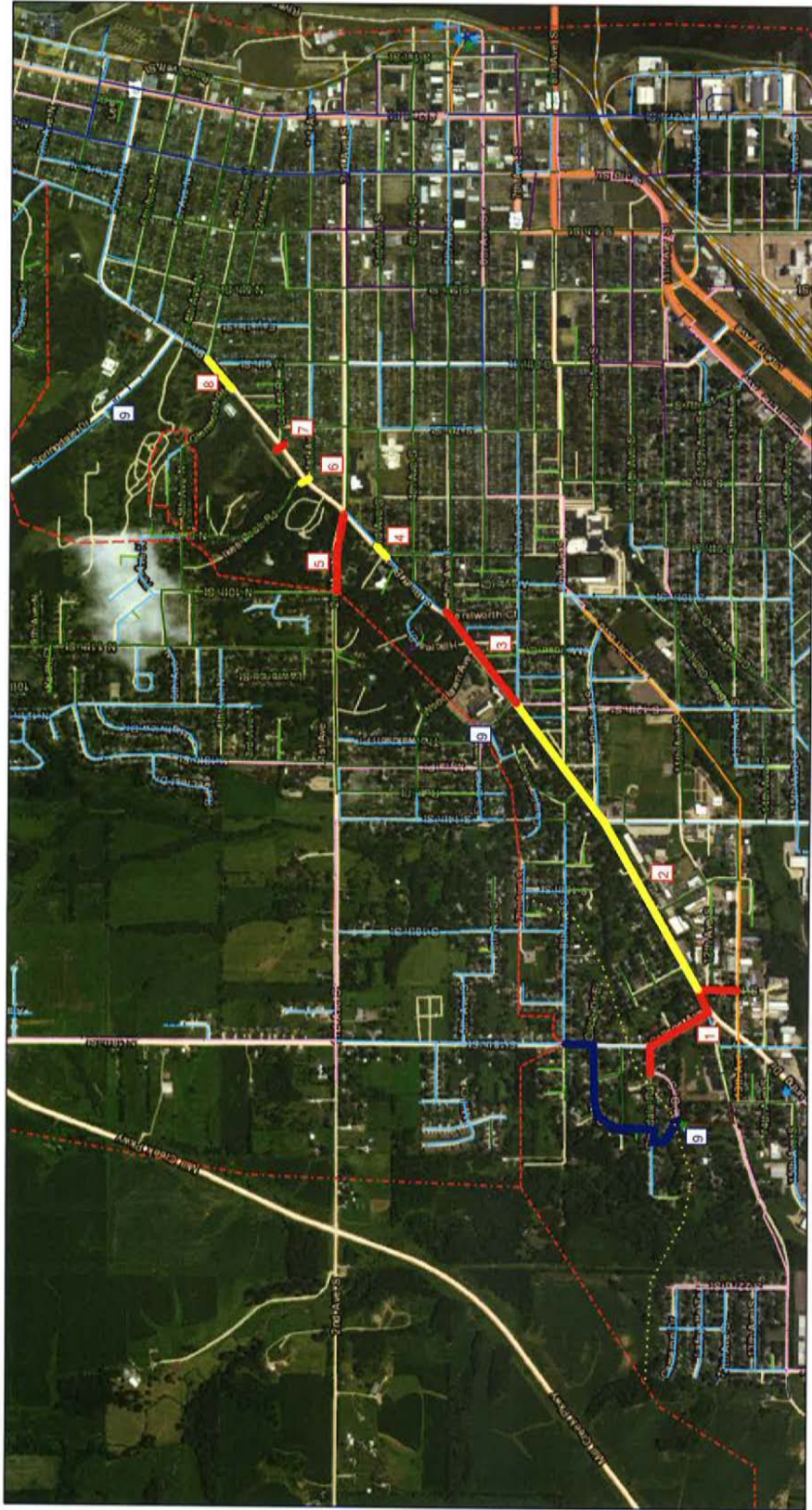
The Manufacturing Drive/Bluff Boulevard project allows us a unique opportunity to replace aging infrastructure in a highly congested corridor of our service system in a safe and coordinated manner. Much of the water mains and service lines in this corridor of the system are 100 years old. Frequent breaks on these lines contribute to the already congested nature of this street. In addition to the water infrastructure directly within the Bluff Boulevard right of way, Iowa American Water has elevated storage and two booster stations that will indirectly be affected by the Bluff Boulevard project. Upgrade of these facilities would also be planned during the work in this area.

Attached is a preliminary plan, which depicts the location of proposed water projects that will directly benefit by partnering with the City for completion during the Bluff Boulevard reconstruction project. Total estimated cost of these improvements is nearly \$2.9M. These projects include replacement of over two miles of water main and replacement of two aged booster stations with a new pump station. These improvements will significantly improve pressure and service reliability in a critical area of Iowa American Water's service area for the City of Clinton.

Iowa American Water is excited about the opportunity to collaborate with the City on this critical project for the benefit of the entire Clinton community.

Sincerely,

Randy Moore
President Iowa American Water



1:18,056
0 0.15 0.3 0.55 0.6 mi
0 0.28 0.55 1.1 km

Iowa American Water
Bluff Boulevard Preliminary Plan 6-15-18

**Iowa American Water - Clinton District
Bluff Blvd Improvement Plan
6/14/2018**

1	College Avenue Secondary Feed to Bluff Tank - College Avenue from Bluff to Circle Drive - Replace 1100 lf of 6" CI Main (1919) with 12" DI - Bluff Blvd from College to S 19th - Replace 260 lf of 8" CI Main (1919) with 12" DI - S. 17th from Bluff to 13th Ave S - Replace 200 lf of 6" CI (1957) and extend additional 250 lf of 12" DI to connect to 16" main	\$407,250
2	Bluff Blvd from S 17th to 7th Ave S - Replace 4000 lf of 6" CI (1919) with 8" DI	\$800,000
3	Bluff Blvd from 7th Ave S to 5th Ave S - Replace 1300 lf of 6" CI (1919) with 8" DI	\$260,000
4	2nd Ave S from S 10th to Bluff - Replace 600 lf of 6" CI (1961) east of S 10th - Abandon 400 lf of 6" CI (1961) west of Bluff	\$135,000
5	Bluff Blvd from S 9th to 3rd Ave S - Replace 160 lf of 6" CI (1919) with 8" DI	\$32,000
6	Bluff Blvd and Ike's Peak Road - Replace 80 lf of 6" CI (1964) at Ike's Peak crossing Bluff Blvd	\$20,000
7	202 Bluff Apartment Service - Replace 2" service to apartments with addition of 8" main crossing Bluff Blvd and hydrant	\$20,000
8	Bluff Blvd from Glenwood Place to 3rd Ave N - Replace 400 lf of 6" CI (1919) with 8" DI	\$80,000
9	New Bluff Booster Station - Abandon 50 year old underground Springdale Booster Station - Abandon 60 year old Rock Creek Booster Station - Construct new above grade booster station with generator at Bluff Tank - Replace 2300 lf of 2", 6", and 8" main from 8th Avenue South to Bluff Tank Booster with 12" DI - Extend High Pressure Zone to discharge of new booster station	\$1,117,500
Project Total		\$2,871,750



June 23, 2021

The Honorable Pete Buttigieg
Secretary, United States Department of Transportation
1200 New Jersey Avenue, SE
Washington, DC 20590

RE: Support of the City of Clinton, IA – **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** 2021 RAISE Grant Application

Dear Secretary Buttigieg:

I would like to extend my support to the City of Clinton's application for the RAISE Discretionary Grant (RAISE Grant). The City's proposed project, known as the **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**, is vital to the transportation connectivity and economy of not only the city but of the entire region.

Completing the Manufacturing Drive and Bluff Boulevard reconstruction project – a total reconstruction and enhancement of the alignment from US Route 30 to 7th Avenue North – will ensure the safe, efficient movement of people and goods for decades to come. It will also serve as the primary gateway to the area identified as an **"Opportunity Zone" by the US Department of the Treasury.**

Project benefits include:

- Maintain community access to jobs
- Restore a major truck route
- Restore structural integrity of key creek crossings to mitigate flooding incidents
- Enhance multi-modal transportation and promotes walkability and safe bicycling route throughout the corridor
- Provide safe route for students from the Clinton STEM Academy's Campus to the high school
- Support a growing downtown residential community, including low income housing
- Improve connectivity to neighborhoods and communities throughout the metro area and beyond
- Improve access to jobs and schools for the two census tracts that have been identified as Areas of Persistent Poverty by the US Census Bureau
- Include innovative and sustainable green infrastructure improvements that will reduce storm water impacts, maintenance costs and avoid a significant increase in electricity costs.

I am pleased to support the City of Clinton's RAISE Grant application for the **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**. This project is important to the economic vitality of the region; it will improve the quality of life and allow the City to improve the condition of key infrastructure.

Sincerely,

Scott C. Marler, Director

| 515-239-1111

| scott.marler@iowadot.us
 | www.iowadot.gov

| **Address:**
800 Lincoln Way, Ames, IA 50010

IOWA ECONOMIC DEVELOPMENT AUTHORITY

200 East Grand Avenue | Des Moines, Iowa 50309 USA | Phone: 515.725.3000
iowaeconomicdevelopment.com



July 2, 2018

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Support for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** BUILD Grant Application

Dear Secretary Chao:

On behalf of the Iowa Economic Development Authority (IEDA), it is my pleasure to submit this letter of support for the City of Clinton's application for funding through the US Department of Transportation's BUILD Transportation Discretionary Grant Program. The City of Clinton's BUILD Grant application is for the **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**.

The IEDA's mission is to strengthen the economic and community vitality of communities across our state. A strong transportation network is imperative to our success. Completing the Manufacturing Drive and Bluff Boulevard reconstruction project – a total reconstruction and enhancement of the alignment from US Route 30 to 7th Avenue North – will ensure the safe, efficient movement of people and goods for decades to come.

The BUILD-supported reconstruction project will allow the City of Clinton to simultaneously improve the safety and capacity of the corridor all while making several environmental enhancements in the area. The project will also improve access to essential services, including multiple healthcare providers, a safe route for students from Clinton STEM Academy's Campus to the high school and will bolster pedestrian and bicyclist amenities, supporting both increased community vibrancy and better health outcomes. Furthermore, the project will include the infrastructure necessary for future implementation of a high-speed fiber and broadband network, which will position our community to be a 21st century leader and serve as a primary gateway to the area that has been identified as an "Opportunity Zone" by the US Department of the Treasury.

For the IEDA specifically, the BUILD-supported reconstruction project demonstrates the City of Clinton's commitment to creating an environment where its citizens and businesses can thrive. This project is important to the economic vitality of the region as it will improve the quality of life and allow the City to improve the condition of key infrastructure that is integral to economic development.

Sincerely,

A blue ink signature of Debi V. Durham, written in a cursive style.

Debi V. Durham
Director





July 12th, 2018

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Letter of Support and Proposed Partnership for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** BUILD Grant Application

Dear Secretary Chao:

The City of Clinton's proposed **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** is a major project for the region, and Mediacom is excited to commit a private investment towards the project as part of our long term partnership with the City of Clinton.

Mediacom has occupied the right-of-way along this corridor for over forty years, and has a vested interest in providing an increased level of service to all of our commercial and residential customers along this route. Our participation in this project would provide an opportunity to enhance our existing fiber-optic broadband network to the community, as the proposed route cuts right through the heart of Clinton, Iowa.

We have discussed with city officials the possibility of extending our fiber-optic network along several segments of the proposed project corridor. Our commitment would be to provide all labor and materials for installation of conduit duct system for existing and future fiber optic facilities. The conduit duct system would be laid into a trench excavated by the City of Clinton as part of the proposed project. As the demand grows, we would install fiber optic lines and equipment to better serve the region of Clinton. These commitments will require significant future private investment by Mediacom.

As a necessary improvement to customers along the corridor, a high-speed fiber and broadband network will enhance the quality of life of the citizens of Clinton for years to come. Mediacom is committed to our partnership with the City of Clinton for Manufacturing Drive and Bluff Blvd, and give our support for the vision of interconnected broadband service throughout Clinton that is made possible by this project.

Sincerely,

Todd Curtis
Group Vice President
Eastern IA, IL, IN & KY
Mediacom Communications Corp.

Mediacom Communications Corporation
3900 26th Avenue, Moline, IL 61265



AMVETS POST #28

William J. Forsee Post

1317 South 17th Street

Clinton, IA 52732



6/21/18

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Support for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** BUILD Grant Application

Dear Secretary Chao:

I am proud to support the 2018 BUILD grant application submitted to you by the City of Clinton. The City's proposed **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** project will enhance economic development in our rural Clinton community, provide access to essential services to include broadband, fiber optics, enhanced storm water drainage and most of all provide a safe route, bolster pedestrian and bicyclist amenities, and support increased community vibrancy and better health outcomes. This project does not just improve the roadway surface but improves the quality of life to residents and business to include ensuring the older Veterans can travel safely to the place they can find comfort and solace.

The ability to improve this nearly 100 years old roadway that has been witnessed to more than 400 crashes in just the last 5 years alone, including an accident my father was in which resulted in his death. In addition, there have been several severe flooding incidents, for these reasons and more it is vital for improvements to be made to this roadway. As the Commander of the AMVETS Post 28, which has been located off Manufacturing Drive and Bluff Blvd for over 70 years, it is important that our Veterans population have a safe road to travel. The accessibility, with the completion of the project, will definitely have a positive impact on the number of veterans that would join and attend functions. We have over 400 members currently and have events almost daily to support our veterans. Military Veterans know the value of not only good roads, proper drainage but most of all accessibility.

The **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** project is a necessary and worthwhile investment which will have an incredible impact on the future viability of the area. Consistent with the goals of the BUILD grant program, this project will improve safety, provide good a state of repair, foster innovation and provide a much-needed boost to economic vitality for not only the City but the surrounding region as well. For these reasons, I fully support this project.

Sincerely,

Cindy Hufford
AMVETS Post #28 Commander



COMPANIES
Staffing • Trucking • Warehousing

June 19, 2018
The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Support for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**
BUILD Grant Application

Dear Secretary Chao:

I am proud to support the 2018 BUILD grant application submitted to you by the City of Clinton. The City's proposed **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** project will enhance access to essential services, including multiple healthcare providers, provide a safe route for students from Clinton STEM Academy's Campus to the high school, bolster pedestrian and bicyclist amenities, and support increased community vibrancy and better health outcomes.

My company has been located off Manufacturing Drive for 25+ years and know firsthand what a game changer completing this project will be. Our fleet of 50 semi-trucks and 75+ employees are constantly on the move traversing both 21st Street and Manufacturing road. We know the value of not only good roads but proper drainage. Our property constantly gets storm water runoff and it adversely affects our business. The ability to improve this nearly 100 years old roadway that has been witnessed to more than 400 crashes in just the last 5 years alone in addition to severe flooding incidents over the last few years. This project includes the complete reconstruction of Manufacturing Drive and Bluff Boulevard from US Route 30 to 7th Avenue North

This project does not just improve the roadway surface but improves the quality of life to residents and business to include mine along the corridor by including the infrastructure necessary for future implementation of a high-speed fiber and broadband network. This infrastructure, which will position the City of Clinton to be a 21st century leader. . It includes numerous safety and environmental improvements to bring this road up to a good state of repair.

The **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** project is a necessary and worthwhile investment which will have an intense impact on the future viability of the area. Consistent with the goals of the BUILD grant program, this project will improve safety, provide good a state of repair, foster innovation and provide a much-needed boost to economic vitality for not only the City but the surrounding region as well. For these reasons I fully support this project.

Sincerely,

Pete Clausen
Clausen Trucking

Quality First. Safety Always.

Phone 563-243-4995 | Fax 563-244-7421 | P.O. Box 67 | 2100 South 21st Street, Suite A | Clinton, IA 52733-0067

June 25, 2018

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590



RE: Support for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** BUILD Grant Application

Dear Secretary Chao:

On behalf of the Clinton Area Chamber of Commerce and the Clinton Progress Coalition, I offer our whole-hearted support of the City of Clinton's application for funding through the US Department of Transportation's BUILD Transportation Discretionary Grant Program.

The Chamber's mission is to be a voice for the business community in our region. Clinton Progress Coalition was formed to unite the various voices that represent our region - businesses, schools, industry, city and county governments, and social agencies. The Clinton Area Chamber of Commerce and the Clinton Progress Coalition are in agreement that the Manufacturing Drive and Bluff Boulevard reconstruction project - a total reconstruction and enhancement of the alignment from US Route 30 to 7th Avenue North to ensure the safe, efficient movement of people and goods for decades to come - is THE priority project for the City of Clinton.

Beyond improving safety and accessibility on this main artery, The BUILD-supported reconstruction project will allow the City of Clinton to make several environmental enhancements in the area. The project will enhance access to essential services, including multiple healthcare providers, a safe route for students from Clinton STEM Academy's Campus to the high school and will bolster pedestrian and bicyclist amenities, supporting both increased community vibrancy and better health outcomes. Furthermore, the project will include the infrastructure necessary for future implementation of a high-speed fiber and broadband network, which will position our community to be a 21st century leader and serve as a primary gateway to the area that has been identified as an "Opportunity Zone" by the US Department of the Treasury.

From our point of view, the BUILD-supported reconstruction project will improve safety on this main artery; offer our community the ability to provide state-of-the art telecommunications to existing and potential businesses and residents; diminish traffic congestion for the industries located on Manufacturing Drive; and create a more welcoming entrance to the center of our community.

We are a community focused on economic growth. The Clinton Area Chamber of Commerce and the Clinton Progress Coalition are pleased to support the City of Clinton's BUILD Grant application for the **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**.

Sincerely,



Maureen Miller, President/CEO
Clinton Area Chamber of Commerce



Robert Holesinger, Entrepreneur
Clinton Progress Coalition

June 19, 2018

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

Re: Support for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** BUILD Grant Application

Dear Secretary Chao:

I would like to extend my support to the City of Clinton's application for the BUILD Discretionary Grant (BUILD Grant). The City's proposed project, known as the **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**, is vital to the transportation connectivity and economy of not only the city but of the entire East Central Iowa region.

Completing the Manufacturing Drive and Bluff Boulevard reconstruction project – a total reconstruction and enhancement of the alignment from US Route 30 to 7th Avenue North – will ensure the safe, efficient movement of people and goods for decades to come. It will also serve as the primary transportation for multi-modal movement from the Confucius International Education Park to the Clinton High school.

In the initial year there will be up to 70 International students in the first year, however that number is set to grow to well over 300 in the coming years. In addition, we are working on actually hosting numerous STEM course at the campus which will see over 200 Clinton High School students taking Bluff Blvd back and forth between the two campuses.

Safety is vital to success of any educational endeavor and the more we can keep both local and International students safe the better. We are truly excited about this project to make movement between the two campuses safer but also assisting in storm water drainage that we have battled with the last several years as it comes down Springdale to Bluff Blvd.

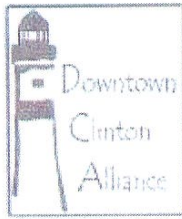
I am pleased to support the City of Clinton's BUILD Grant application for the **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**. This project is important to the economic vitality of the region; it will improve the quality of life and allow the City to improve the condition of key infrastructure.

Sincerely,

DocuSigned by:

E8AA7B6CDA94A0...

Brian Clem
Clinton Catalyst



Downtown Clinton Alliance
141 5th Avenue S.
Clinton, IA 52732
Downtownclintonia@gmail.com
(563) 321-2165

June 19, 2018

The Honorable Elaine L. Chao
Secretary of the Department of Transportation
1200 New Jersey Avenue, S.E.
Washington, DC 20590

Dear Secretary Chao:

Our organization, the SSMID II (Self-Supporting Municipal Improvement District) for the downtown building owners support the City of Clinton's application for the BUILD Grant for Manufacturing Drive & Bluff Boulevard reconstruction.

We participated in our local planning session and it was such a positive meeting to see the cooperation and support of this project. The Downtown stakeholders and businesses see this opportunity to connect our downtown as Manufacture to Bluff will take you directly to the heart of our downtown. We have invested in bicycle lanes from downtown to Bluff and now with this project we can connect from Highway 30 to Manufacture/Bluff through the Downtown to the river front.

The benefits are more than just our Downtown, this project will support safety for school children, residents and overall traffic flow. The improvement to our flood controls, installation of high speed cable and will open doors to more businesses, housing and improved streets through-out the area.

We hope for your support for this significant transportation asset. This asset will benefit all of Clinton, especially we believe with regard to Downtown development and connectivity.
Sincerely,

Timothy Clark
President



To Whom It May Concern:

The Let's Live Healthy Lifestyle Coalition writes on behalf of supporting the Build Grant Project (BGP) involving the two major roadways; Manufacturing Drive and Bluff Boulevard. The LLHC coalition has a master plan including action plans in three areas – Move More, Eat Well and Feel Better. The BGP will benefit the quality of life specifically supporting the Move More action plans.

1. Sidewalk Maintenance Plan
 - a. Increase pedestrian and cyclist safety
 - b. Increase physical activity and improve fitness
2. Increase use of the bike network
 - a. Increase cyclist safety
 - b. Increase the number of people using the bike lanes/bike paths

The LLHC is made up of community leaders that are working to improve the health of the Clinton area. Members of the coalition consist of: ISU extension office, ASAC, Superintendent, City Manager, Assistant City Engineer, County Board, Public Health, Mercy Medical Center, YWCA, Clinton Community College, Clinton and Fulton Schools, PTO, and HyVee.

Respectfully submitted,

Andrea Barnett, MSHP, CWHC
Community Health and Wellness Coordinator
Mercy Medical Center
1410 N. 4th St.
Clinton, IA 52732
barnetta@mercyhealth.com
563-244-5801

Shannon Sander-Welzien
YWCA Clinton, Executive Director
(563)242-2110 x.101
ed@ywcaclinton.org

Michele Cullen RN,BS
Community Health Manager
(563) 244-4923
fax (563) 242-7197
cullenm@genesishhealth.com



The Lyons Business and Professional Association wholeheartedly supports the City of Clinton's BUILD application for Manufacturing Drive & Bluff Boulevard (MDBB).

First and foremost, the project perfectly fits the BUILD grant criteria. During a planning session, for every BUILD category, the MDBB project outranked, or tied, other projects because the project provides immediate, short term, and long term opportunities for the growth and development of Clinton.

Secondly, for the Association, the benefits are easily seen. By retaining business levels and growing businesses along MDBB, there are more consumers and residents. By building up housing, there are more consumers and residents with the added benefit of more housing for young professional families. By creating safety for thousands of school children, it brings families to town. The project provides a template for implementation of high speed cable. It also alleviates flooding and improves the environment. MDBB allows for countless other projects to develop along connecting corridors and side roads, i.e. permeable pavers which has transformed the Lyons District.

Finally, the template for why MDBB is perfect for BUILD becomes the template for the successful completion of Veteran's Memorial Drive. We want VMD to be developed to a similar state as MDBB, where for every category you can easily list the partners, the other grant matches, the public/private match, the development impact, the economic impact, the growth of quality of life, the bold and innovative engineering plans, etc... Like with MDBB, the council has started to grow VMD through commitments in the CIP and other means, which we thank the council for.

We are excited to support MDBB because we know it will transform the city and help open up development throughout the city.

Sincerely,

LBPA

PO Box 3214
Clinton, IA 52732
LBPAclintonIA@gmail.com
LBPAclintonIA.wixsite.com/LBPAclintonIA



Fleet & Transit Department

Date: June 14, 2018

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Support for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** BUILD Grant Application

Dear Secretary Chao:

As the Transportation Director for the City of Clinton's transit system Municipal Transit Administration (MTA), I am in full support of the 2018 BUILD grant application submitted to you by the City of Clinton.

The MTA has both fixed and para transit routes that utilize different sections of the proposed reconstruction area daily. The four (4) different fixed route buses are on this roadway at some point during their route every thirty(30) minutes throughout a twelve (12) hour day five (5) days a week and (7) seven hours on Saturdays.

Our transit passengers include students, adults, seniors and people with disabilities. These passengers maybe traveling from their homes to school, college, work, shopping and/or recreation, leisure. The fixed route buses are also equipped with bike racks as an added amenity for the bicyclists. Passengers are also able to download a bus app to see the location of the buses on the routes. Having bus shelters with technology throughout the proposed project area would also greatly enhance the transit system for the citizens of Clinton.

The City of Clinton's proposed project will provide safer routes for the MTA buses, new updated and modern bus shelter enhancements for transit riders, and provide a safe route for students from Clinton STEM Academy's Campus to the high school. The project is a necessary and worthwhile investment which will have a lasting and positive impact on the Clinton area. The project includes numerous safety and environmental improvements to bring this road up to a good state of repair.

Sincerely,

Dennis Hart, Transportation Director

Phone: 563-242-3721
Fax: 563-242-3793

<http://www.cityofclintoniowa.us/>

1320 South 2nd Street
Clinton, Iowa 52732

6/18/18

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Support for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**
BUILD Grant Application

Dear Secretary Chao:

Nestlé Purina PetCare Company, which has operated a pet food manufacturing facility in Clinton since 1969, enthusiastically supports the City of Clinton's application for funding through the US Department of Transportation's BUILD Transportation Discretionary Grant Program.

Nestlé Purina's mission is to enrich the lives of pets and the people who love them, and this includes our employees and visitors to our facility, such as those who transport our products. A strong transportation network is imperative to our success. Completing the Manufacturing Drive and Bluff Boulevard reconstruction project – a total reconstruction and enhancement of the alignment from US Route 30 to 7th Avenue North – will ensure the safe, efficient movement of people and goods for decades to come.

The BUILD-supported reconstruction project will allow the City of Clinton to simultaneously enhance the safety and capacity of the corridor all while making several environmental enhancements in the area. The raising of the road over a foot and the widening of both bridges to allow for modification of both Mill and Harts Mill Creeks will be synchronized with Nestlé Purina's upcoming project to place a secondary dike on the north side of the property to help protect the plant from flooding. Furthermore, the project will include the infrastructure necessary for future implementation of a high-speed fiber and broadband network, which will position our community to be a 21st century leader and serve as a primary gateway to the area that has been identified as an "**Opportunity Zone**" by the US Department of the Treasury.

For Nestlé Purina specifically, the BUILD-supported reconstruction project will create a much safer entrance and exit to our location. We pride ourselves on the outstanding safety culture we have instilled in our factory for employees and visitors. This project, with the creation of the turn lanes, as well as the implementation of the roundabout near our entrance, will help alleviate unnecessary risk and aid in more efficient inbound and outbound truck traffic. We look forward to this reconstruction project and helping support it in any way we can.

We are pleased to support the City of Clinton's BUILD Grant application for the **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**. This project is important to the economic vitality of the region; it will improve the quality of life and allow the City to improve the condition of key infrastructure.

Sincerely,



Roger Brecht
Plant Manager
Nestlé Purina
Clinton, Iowa

6/18/19

The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Support for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**
BUILD Grant Application

Dear Secretary Chao:

Nestlé Purina PetCare Company, which has operated a pet food manufacturing facility in Clinton since 1969, enthusiastically supports the City of Clinton's application for funding through the US Department of Transportation's BUILD Transportation Discretionary Grant Program.

Nestlé Purina's mission is to enrich the lives of pets and the people who love them, and this includes our employees and visitors to our facility, such as those who transport our products. A strong transportation network is imperative to our success. Completing the Manufacturing Drive and Bluff Boulevard reconstruction project – a total reconstruction and enhancement of the alignment from US Route 30 to 7th Avenue North – will ensure the safe, efficient movement of people and goods for decades to come.

The BUILD-supported reconstruction project will allow the City of Clinton to simultaneously enhance the safety and capacity of the corridor all while making several environmental enhancements in the area. The raising of the road over a foot and the widening of both bridges to allow for modification of both Mill and Harts Mill Creeks will be synchronized with Nestlé Purina's upcoming project to place a secondary dike on the north side of the property to help protect the plant from flooding. **In July of 2017, severe flooding resulted in losses in excess of \$1.5MM for our factory. We support any additional assistance in the future prevention of such an occurrence.** Furthermore, the project will include the infrastructure necessary for future implementation of a high-speed fiber and broadband network, which will position our community to be a 21st century leader and serve as a primary gateway to the area that has been identified as an "**Opportunity Zone**" by the US Department of the Treasury.

For Nestlé Purina specifically, the BUILD-supported reconstruction project will create a much safer entrance and exit to our location. We pride ourselves on the outstanding safety culture we have instilled in our factory for employees and visitors. This project, with the creation of the turn lanes, as well as the implementation of the roundabout near our entrance, will help alleviate unnecessary risk and aid in more efficient inbound and outbound truck traffic. We look forward to this reconstruction project and helping support it in any way we can.

We are pleased to support the City of Clinton's BUILD Grant application for the **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction**. This project is important to the economic vitality of the region; it will improve the quality of life and allow the City to improve the condition of key infrastructure.

Sincerely,

Roger Brecht
Plant Manager
Nestlé Purina
Clinton, Iowa

To: Whom it may concern,

We would like to let you know that our entire group known as the Riverbend Bicycle Club unanimously supports this project. This route serves as a major transportation artery right in to the core of our community. To expand and improve this route to include and accommodate all forms of transportation from large trucks all the way down to pedestrians and cyclists can be nothing but a great thing for all of the people in this city. Thanks for giving this your consideration,

Chad Jensen

President,

Riverbend Bicycle Club

Owner,

The Bicycle Station



June 28, 2018
The Honorable Elaine L. Chao
Secretary of Transportation
US Department of Transportation
1200 New Jersey Ave, SE
Washington, DC 20590

RE: Support for the City of Clinton's **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** BUILD Grant Application

Dear Secretary Chao:

I am proud to support the 2018 BUILD grant application submitted to you by the City of Clinton. The City's proposed **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** project will enhance access to essential services, including multiple healthcare providers, provide a safe route for students from Clinton STEM Academy's Campus to the high school, bolster pedestrian and bicyclist amenities, and support increased community vibrancy and better health outcomes.

The Sarah Harding Senior Living has been located on Bluff Blvd since the 1950's and know firsthand how important this would be to complete this project. Many residents at Sarah Harding continue to drive their vehicles. These vehicles are constantly traversing both Bluff Blvd and Manufacturing road. The ability to improve this nearly 100 years old roadway that has been witnessed to more than 400 crashes in just the last 5 years alone in addition to severe flooding incidents over the last few years. This project includes the complete reconstruction of Manufacturing Drive and Bluff Boulevard from US Route 30 to 7th Avenue North

This project does not just improve the roadway surface but improves the quality of life to residents of Sarah Harding the surrounding area to adding high-speed fiber and broadband network. This infrastructure, which will position the City of Clinton to be a 21st century leader. It also includes numerous safety and environmental improvements to bring this road up to a good state of repair.

The **Drive to Prosperity: Manufacturing Drive/Bluff Boulevard Reconstruction** project is a necessary and worthwhile investment which will have an intense impact on the future viability of the area. Consistent with the goals of the BUILD grant program, this project will improve safety, provide good a state of repair, foster innovation and provide a much-needed boost to economic vitality for not only the City but the surrounding region as well. For these reasons I fully support this project.

Sincerely,

A handwritten signature in black ink, appearing to read "Douglas Harbridge", is written over a white rectangular area.

Douglas Harbridge
Executive Director

308 South Bluff • Clinton, IA 52732
(563) 243-1341



Engineering Department

P. O. Box 2958
611 South 3rd Street
Clinton, IA 52733-2958
Phone 563.244.3423
Fax 563.244.3426
www.ci.clinton.ia.us

Monday July 1st, 2019

To whom it may concern:

The Bluff Boulevard/Manufacturing Drive corridor is a major arterial roadway in town that is in severe need of an update an update from a pedestrian/cyclist perspective. Long stretches of this roadway currently lack adequate pedestrian/trail facilities. Areas that do have pedestrian facilities are unsafe either because of damage or because the sidewalk walk is located immediate behind the curb putting pedestrians uncomfortably close to large volumes of traffic.

The Trails Advisory Committee is ecstatic at the possibility of updated pedestrian facilities along this corridor. Updated trail and sidewalk facilities will create a corridor that adheres to the complete street principals and will offer a new option of transportation through the corridor. Through these improvements trails will make a large impact to connecting additional trails throughout town. These connections will make a significant impact to the quality of life. Furthering our trail connections in town will not only increase physical connections to the network but will make the community as a whole feel better connected and promote a more healthy lifestyle either through promoting more cycling, walking or running because of the increased access to trails that this project will provide.

Increased connections will not only impact the quality of life but will also impact the traffic flow and conditions through the corridor. Currently out of necessity to get to work or run errands people are forced to walk or ride in the road or along the shoulders of the road to reach their destination, particularly at the west end of the corridor. Businesses such as Purina, Skyline, Focus and Walmart all have employees whom depend on walking, riding or public transportation to get to their place of employment. Beyond work there are many businesses that would benefit from a new option of transportation. Locations like the Wild Rose, Clinton 8 Theaters, The Landing Apartments and restaurants on the west end of the town would all benefit from a more complete streets approach to this corridor and the new multi-modal project. These new trails would impact the flow of traffic by making it safer, giving pedestrians/cyclists a safe and comfortable space to navigate the corridor and finally by opening up a new transportation option would reduce the number of cars on the roadway. Resulting in a corridor that is safer and better suited for the amount of traffic that it carries.

This project alone will directly impact 5 trails that were identified on our committee's prioritized list, most note about of which is the South 14th Street Corridor trail that would link up five school locations, three parks and 5 other trails. The Trails Advisory Committee is in full support of this plan that is making a significant effort to create safer roadways. This multi-modal plan will increase access to pedestrian facilities, reduce traffic and create a community that is better connected.

Respectfully Submitted,

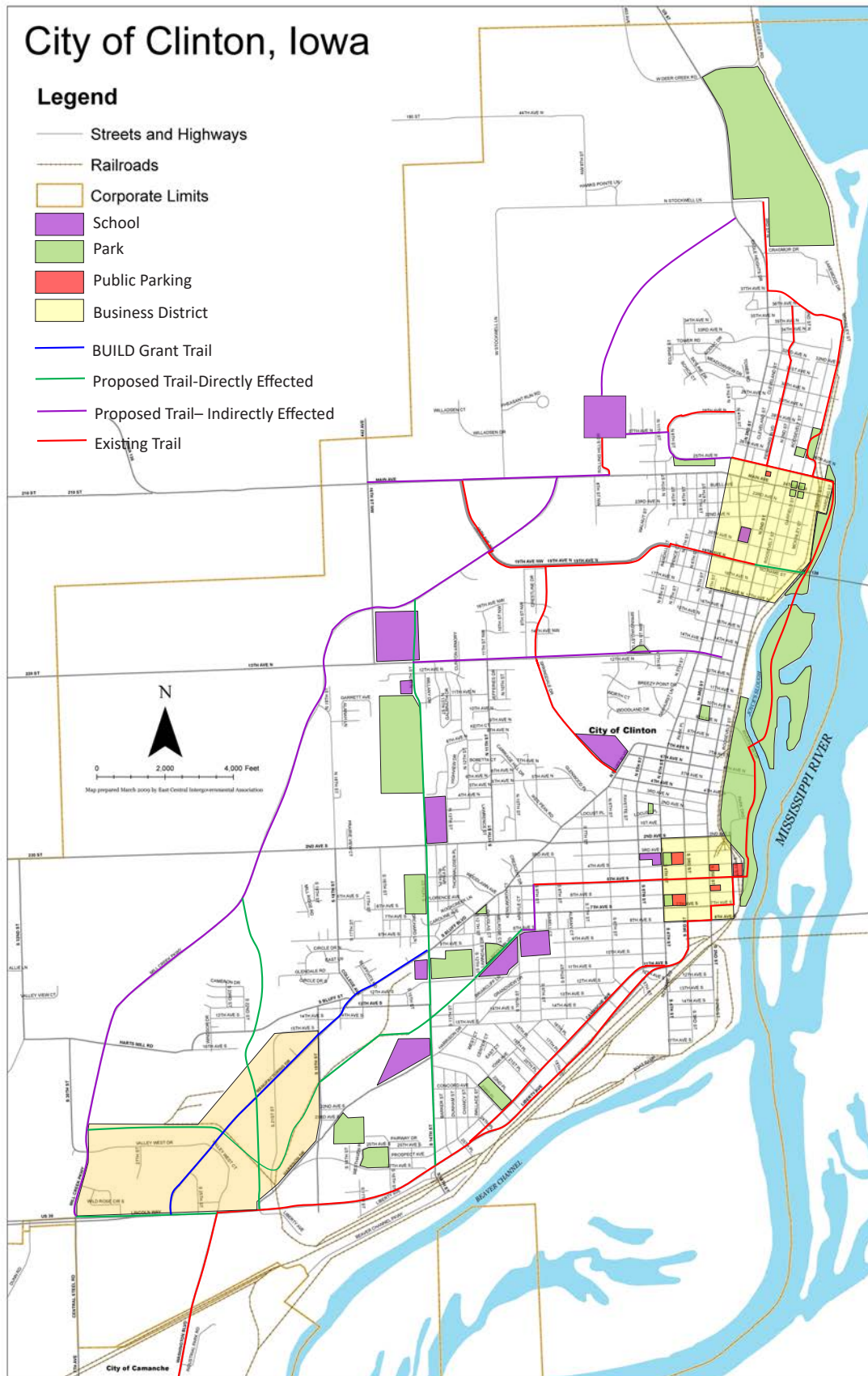
Beth Carlson
Committee Head

Trails Advisory Committee, City of Clinton

City of Clinton, Iowa

Legend

- Streets and Highways
- Railroads
- Corporate Limits
- School
- Park
- Public Parking
- Business District
- BUILD Grant Trail
- Proposed Trail-Directly Effected
- Proposed Trail- Indirectly Effected
- Existing Trail



APPENDIX B

NEPA SUMMARY

NEPA STATUS

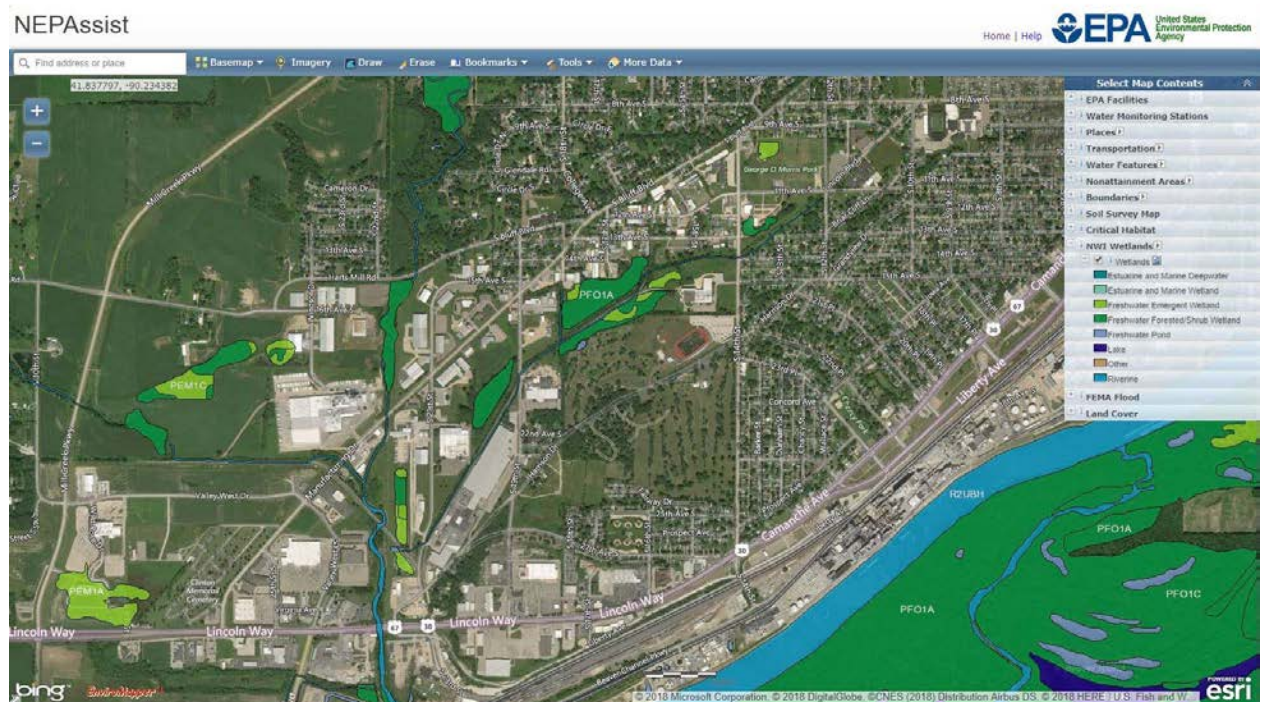
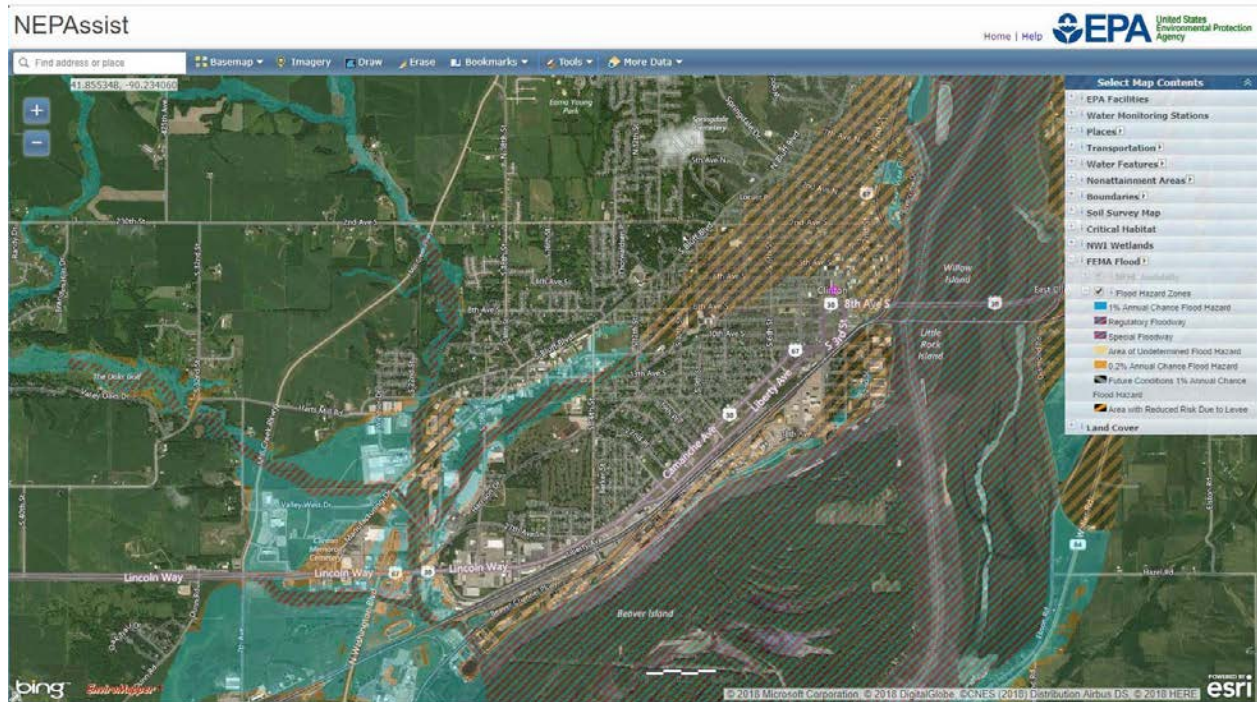
To meet the NEPA requirements for the BUILD Grant application, an environmental review of the project corridor was completed using available databases. The NEPA review included the following:

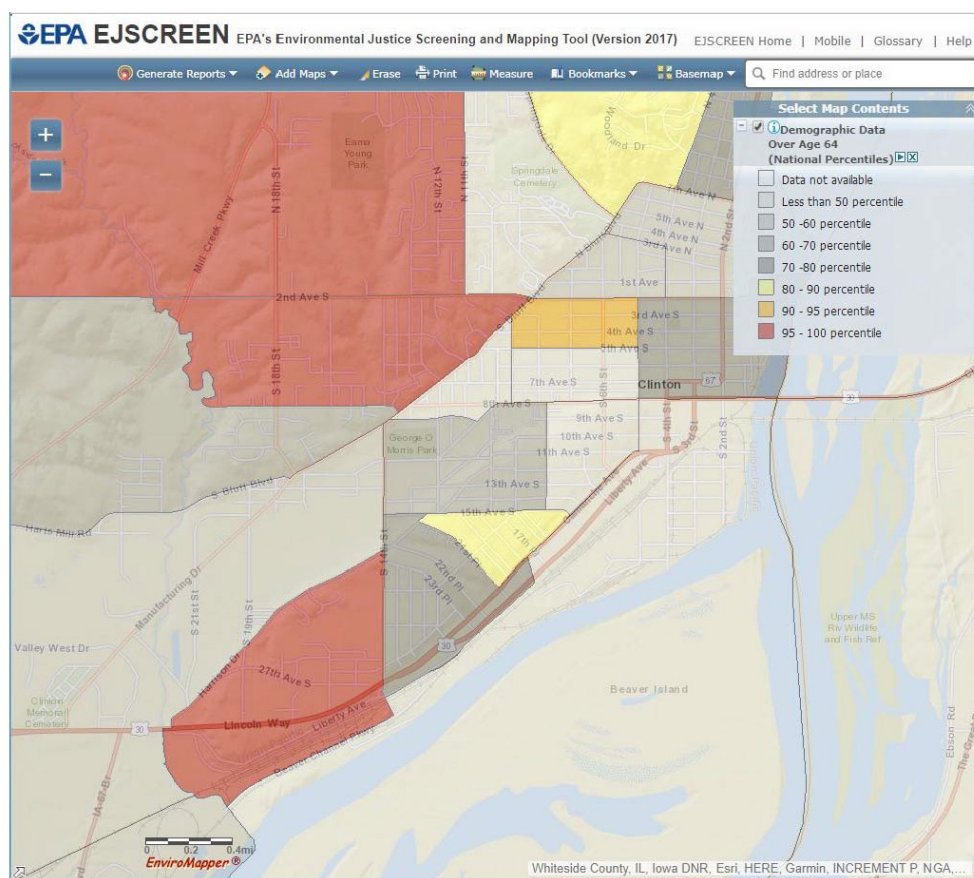
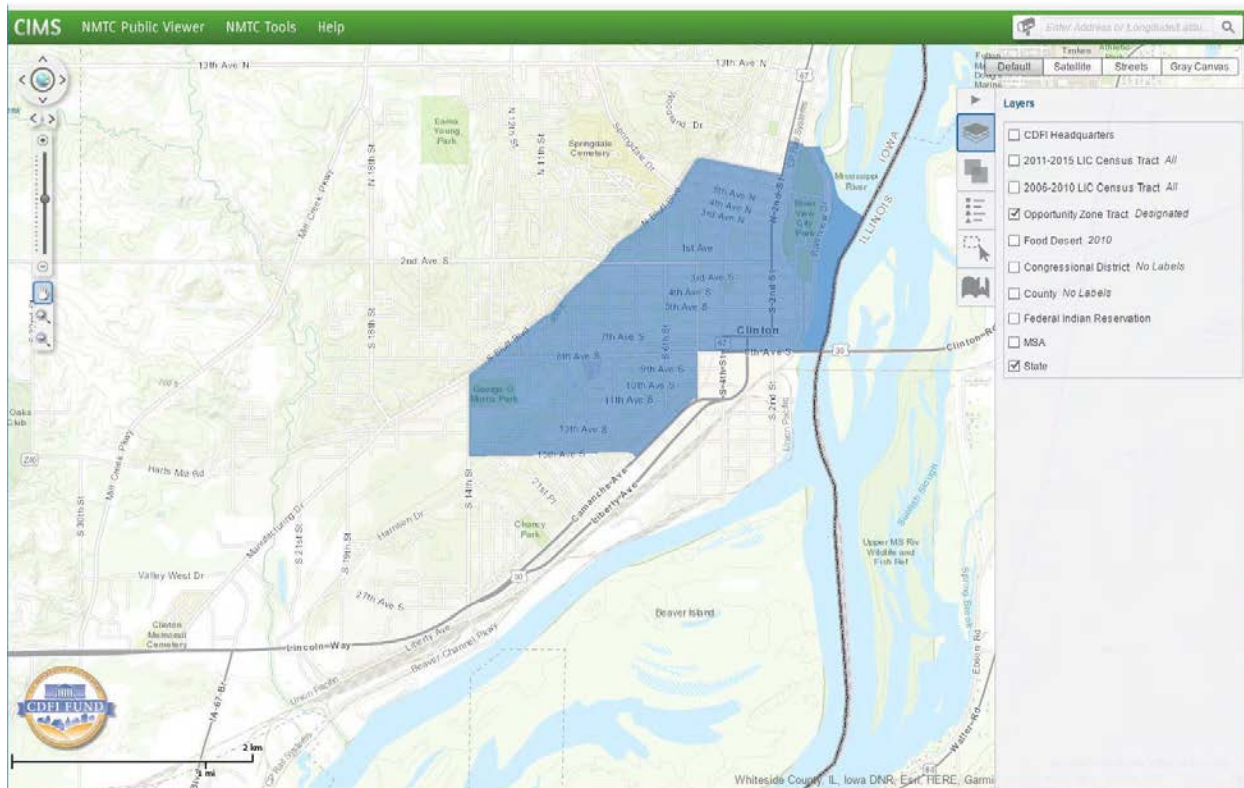
- Woodlands
- Threatened/Endangered Species
- Right-of-Way and Displacements
- Cultural Resources (National Register of Historic Places and archaeological resources)
- Floodplains and Water Quality
- Wetlands
- Farmland
- Parks and Section 6(f) Lands
- Regulated Materials Sites
- Noise Impacts
- Pedestrian and Bicycle Facilities
- Air Quality
- Environmental Justice Communities
- Visual Impacts
- Construction/Detour Impacts
- Safety
- Utilities
- Mitigation Measures

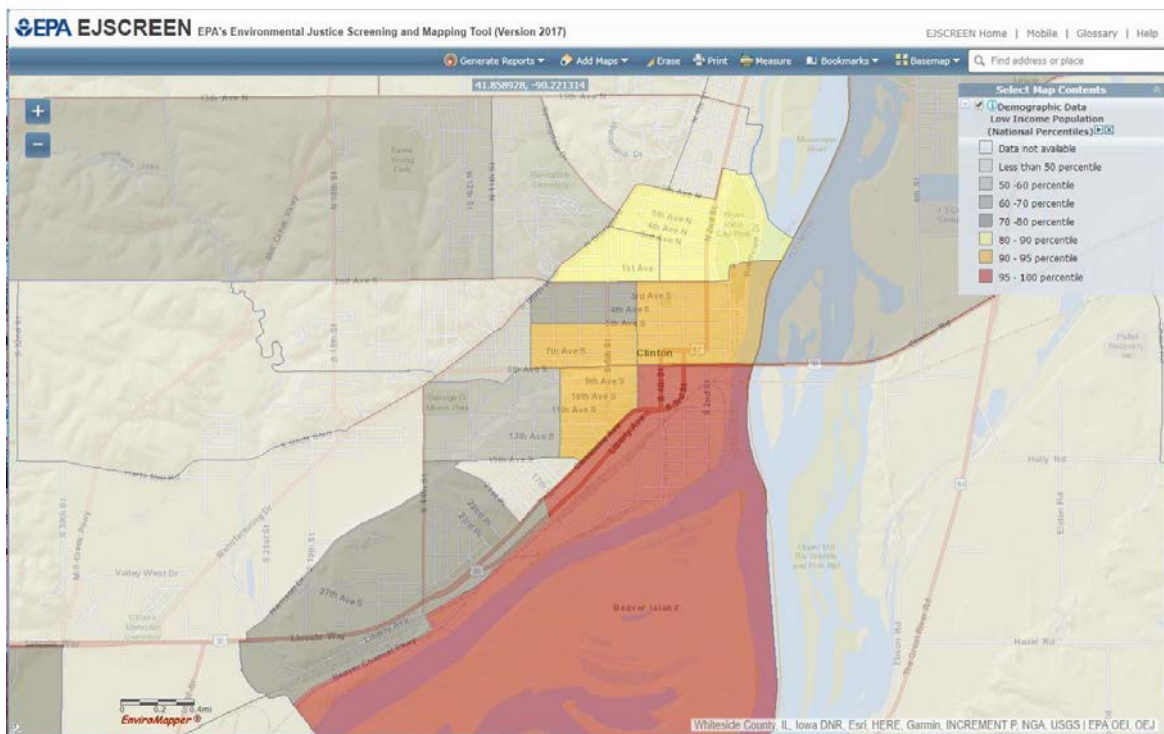
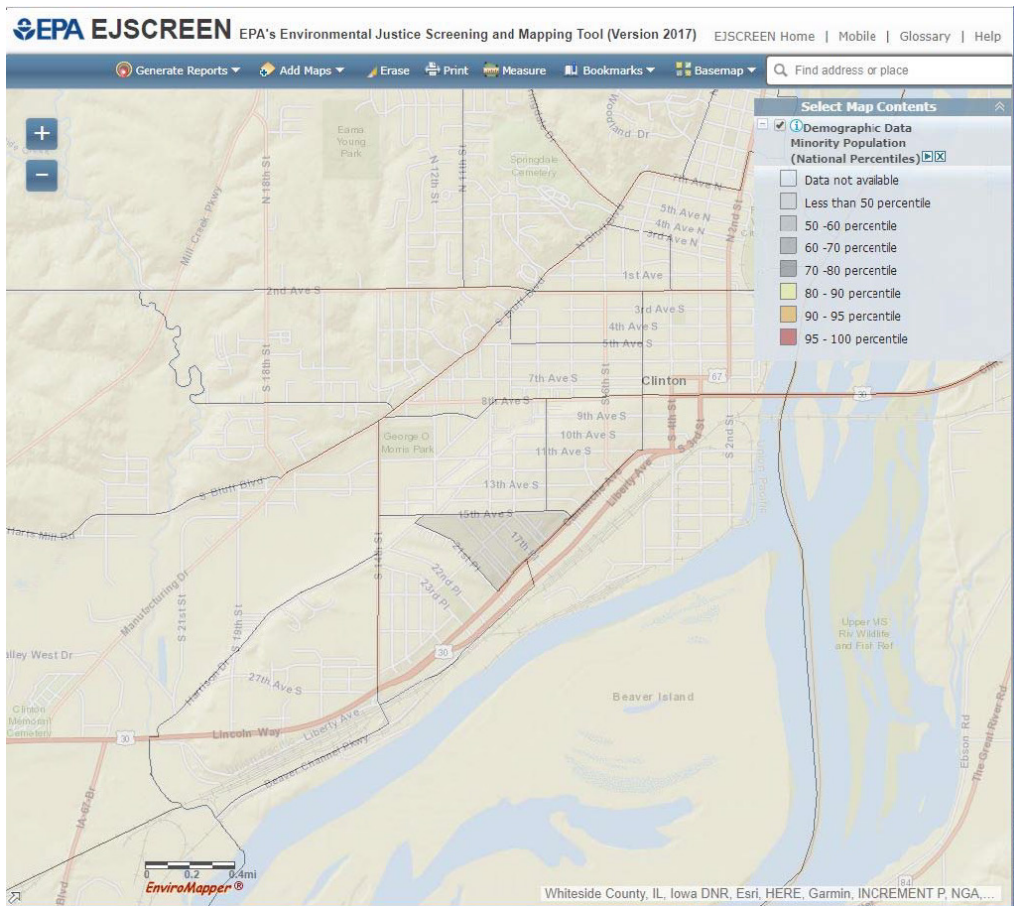
1. **Woodlands:** Wooded areas are located along the bluff beginning just south of 14th Street and extending north to the end of the project at 7th Ave North. Wooded areas in excess of 2 acres are protected by Iowa law and would require mitigation. In addition, cutting trees would have to be done in compliance with the Migratory Bird Act to minimize impact to migrating birds. Given the small amount of right-of-way anticipated for this project, impacts to woodlands are expected to minor.
2. **Threatened/Endangered Species:** A total of 80 state and federally-listed species are shown on Iowa DNR's Natural Areas Inventory for Clinton County, Iowa. Coordination with Iowa DNR and USFWS will be conducted to obtain a more project-specific list as the project moves forward. However, given the urban setting of this project, along with the small amount of right-of-way anticipated to be needed, it is unlikely threatened or endangered species will be encountered. Appropriate mitigation measures will be taken if protected species or their habitat are encountered.
3. **Right-of-Way and Displacements:** The exact amount of right-of-way is not known at this time but the project will be done within existing right-of-way limits as much as possible to minimize impacts to adjacent properties. Two homes may be displaced at intersections where it is necessary to realign the intersecting side streets to improve safety and engineering geometrics. These intersections are South Bluff Boulevard and Manufacturing Drive; and 4th Ave North and North Bluff Boulevard. Compensatory mitigation for property acquisitions will be based on fair market value and will be given without discrimination.
4. **Cultural Resources:** A Phase 1A Cultural Resources review was conducted in June, 2018 by the Office of the State Archaeologist. Based on this review, a National Register of Historic Places listed district, the Castle Terrace Historic District was noted. If right-of-way is required north of Bluff Boulevard and/or 8th Ave S, then consultation with the State Historic Preservation Office (SHPO) will be required. Given the size of the project and relatively high potential for containing archaeological deposits, a Phase 1 archaeological survey is recommended. The Phase 1A Cultural Resources Evaluation is [here](#).

- 5. Floodplains and Water Quality:** Two streams are located at the southern end of the project: Harts Mill Creek and Mill Creek. From Lincoln Way (U.S. 30) to approximately S. 19th Street, Manufacturing Drive EPA's NEPAAssist shows FEMA 100-year floodplain and the floodway related to these creeks (Figure 1). The bridges over both creeks are proposed to be replaced as part of this project. The bridges will be designed so that there is no rise in the surface elevation of the streams. An Iowa DNR Floodplain Development Permit and Section 404 Permit will be obtained during final design. Best practices will be employed during construction to minimize temporary impacts to water quality during construction. A National Pollutant Discharge Elimination System (NPDES) permit will be obtained from Iowa DNR and a Stormwater Pollution Prevention Plan (SWPPP) will be prepared as part of the NPDES.
- 6. Wetlands:** Waters of the US include wetlands, streams, rivers, etc and are regulated by the US Army Corps of Engineers (USACE). For impacts over 0.1 acre, a Section 404 permit is required. Using USFWS Wetland Mapper, forested wetlands were shown adjacent to Mill Creek (Figure 2). Field delineations will be conducted as the project moves into final design to determine wetland impacts. Permitting and any required mitigation will be done in coordination with Iowa DNR and USACE.
- 7. Farmland:** There is no farmland in the project corridor.
- 8. Parks and Section 6(f) Lands:** One park is located adjacent to the project corridor. Neubauer Park, a city-owned park, located at 7th Ave S and S Bluff Boulevard, is 1.1 acres and has a gazebo and playground. Efforts will be made to avoid this park since it would fall under Section 4(f). According to Iowa DNR's Land and Water Conservation Fund webpage, this park nor any other land along the corridor falls under Section 6(f).
- 9. Regulated Materials Sites:** Using Iowa DNR Facility Explorer, a total of six leaking underground storage tanks were found along the project corridor. All but one have received a No Action Required closure from Iowa DNR. The sixth site has been designated as low risk. Impacts to these properties will be determined as the project is developed and appropriate acquisition recommendations will be made as necessary. Should any contaminated material be encountered during construction, it will be handled in accordance with state and federal regulations.
- 10. Noise Impacts:** Projects to increase capacity of a roadway require a noise analysis. This will be done using the most recent FHWA TNM software as the project is developed. It is not anticipated that significant noise impacts will occur warranting mitigation measures such as a noise wall.
- 11. Pedestrian and Bicycle Facilities:** This project proposes to construct recreational trail along the entire length. The bike trail would connect residential area of Bluff Boulevard to Valley Bluff commercial shopping district. Sidewalk would be reconstructed on the south side of the roadway. This enhancement would improve access to Bluff Elementary School and bike trail along Manufacturing Drive.
- 12. Air Quality:** This project is not expected to have significant impact on air quality and will comply with both Iowa's current State Implementation Plan for attaining the national ambient air quality standards (which contains no transportation control measures), and with the conformity requirements for the Clean Air Act Amendments of 1990. Short-term air quality impacts associated with dust and equipment emissions during construction are controlled by standard contract and equipment specifications.

- 13. Environmental Justice (EJ) Communities:** EJ populations are protected from disproportionate impacts due to a project. Using US Census Bureau and EPA's EJ Screen, populations of minority, low income and older (over 64 years) persons were identified (Figures 3-5). In the northeast portion of the project area (1st Ave N to 7th Ave N, east of N Bluff Boulevard), there is a population of low income persons. In the bluff area of the project, west of S Bluff Boulevard, there is a high population of persons over 64 years of age. Although there are these areas as well as other pockets of EJ populations, this project would not have a disproportionate impact on them. This project would improve the existing roadway and add pedestrian accommodations to the transportation facility which would benefit these populations as well as the community as a whole. In addition, an Opportunity Zone overlaps the project area (Figure 6). Opportunity Zones, a new tax advantage program through the US Treasury, are created in low income areas to spur economic growth and investment through private development. The improvement of Manufacturing Drive would be one element or step towards encouraging development in the designated Opportunity Zone.
- 14. Visual Impacts:** No detrimental impacts to the viewshed are anticipated. A new roadway with bike trail and sidewalk would be a benefit to the visual appeal of Manufacturing Drive.
- 15. Construction/Detour Impacts:** Traffic flow on Manufacturing Drive will be restricted throughout the construction period in order to accommodate a phased construction method. The use of a phase construction method eliminates the need for road closures during construction. Access to adjacent businesses will be available throughout construction to minimize impact to them.
- 16. Safety:** Improving Manufacturing Drive is expected to reduce crash rates. A new 3-lane roadway with a center turn lane as well as right turn lanes at key intersections would help with peak hour traffic congestion. Several skewed intersections would be realigned so that they are at 90 degrees which would improve sight distance and safety. Also adding bike trail and sidewalks would allow pedestrians to safely use the corridor.
- 17. Utilities:** This project will require coordination with a number of utilities including: Alliant Energy; Iowa Hospital Association; CenturyLink; Iowa American Water Company (IWC); MidAmerican Energy; Windstream Communications; Iowa Communications Network; Unite Private Networks, LLC; Mediacom Broadband, LLC; and city of Clinton. This project also includes separation of storm and sanitary sewer which will benefit local residents by reducing potential basement backups. During design, utility relocation plans will be developed in coordination with utility providers to accommodate their presence and minimize disruptions.
- 18. Mitigation Measures:** No specific mitigation measures have been identified or developed at this time. As the project moves into design, there could be need to mitigate wetlands, woodlands, and parks may be needed. Compensatory mitigation will be based on fair market value for right-of-way acquired as part of the project. Depending on the depth and extent of excavation for the proposed improvements, it is possible that chemical and/or petroleum contaminated soils could be encountered. Any contaminated soils that are disturbed should be segregated and stockpiled until it can be transported to an appropriate landfill. Other construction contractors will be expected to follow standard Best Management Practices (BMPs) throughout construction.







Bhooshan Karnik

From: Newell, Deeann <DeeAnn.Newell@iowadot.us>
Sent: Wednesday, March 25, 2020 8:32 AM
To: Bhooshan Karnik
Subject: RE: Question on Categorical Exclusion Process, City of Clinton, Iowa

Bhooshan,

It looks like you have completed what is needed for an environmental review for a CE. If this project should receive federal aid, our office will review the federal aid concept form, recommend the appropriate NEPA classification from FHWA and will let you know what format is needed for the documentation.

Thanks
DeeAnn

From: Bhooshan Karnik <BKarnik@mecresults.com>
Sent: Friday, March 20, 2020 12:50 PM
To: Newell, Deeann <DeeAnn.Newell@iowadot.us>
Subject: Question on Categorical Exclusion Process, City of Clinton, Iowa

Dee Ann,

I hope you are doing fine and taking care. I just left a voicemail for you. We are working with the City of Clinton on preliminary and final design for the reconstruction of Manufacturing Drive between US 30 to S 19th Street. This project was part of a larger BUILD grant project submitted to the USDOT. As part of the BUILD grant preparation process, a desktop study was conducted on the entire corridor. The current work will happen within the existing ROW for the majority of the alignment with some ROW/easement acquired as needed for ADA sidewalks, trails and intersection improvements. The applicable documents that were prepared are attached and additional information about the project can be found at www.drivetoprosperity.com

Note that while the documents address the entire corridor from US 30 to 7th Ave North, the City is planning work only from US 30 to College Ave and will include replacing the two bridges over Mills Creek and Hart Creek. I was wondering if you could provide me with some guidance if we need additional environmental work performed or if the work done so far is OK for a categorical exclusion. This will be helpful for me to figure out if we need to involve a sub-consultant for additional NEPA/Environmental work. There are no federal funds involved in this project at this time.

Please feel free to give me a call at 515.451.7270 if that would be easier or if you need additional information. Please feel free to forward this to appropriate staff if I reached out to you in error.

Thanks, be safe and take care.
Bhooshan



BHOOSHAN KARNIK, MSCE, P.E.*, PMP
SENIOR PROJECT MANAGER

making *lives* better
1740 Lininger Lane | North Liberty, IA 52317
O: (319) 626-9090 ext. 2113 | C: (515) 451-7270 | F: (319) 626-9095

From: [Newell, Deeann](#)
To: [Bhooshan Karnik](#); [Dolan, Brennan](#)
Cc: [Vanbuskirk, Christy](#); [Jason Craft](#); [Brian Sandberg](#)
Subject: RE: STBG-SWAP-1415(634)--SG-23 [35633] / Project Limits, Concept Statement and Environmental Submittals - STBG-SWAP-1415(634)--SG-23
Date: Thursday, July 23, 2020 11:20:45 AM
Attachments: [image001.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

Bhooshan,

Based on the concept and drawings, it does appear that this would fit a countersigned CE. This would need to have FHWA's concurrence to make it official. I do want to point out that the drawing indicates that parcels have already been acquired. I would not be able to write a letter, but I could complete the classification process with FHWA. Would this be acceptable?

DeeAnn

From: Bhooshan Karnik <BKarnik@mecresults.com>
Sent: Thursday, July 23, 2020 11:02 AM
To: Dolan, Brennan <Brennan.Dolan@iowadot.us>; Newell, Deeann <DeeAnn.Newell@iowadot.us>
Cc: Vanbuskirk, Christy <Christy.Vanbuskirk@iowadot.us>; Jason Craft <jasoncraft@cityofclintoniowa.us>; Brian Sandberg <bsandberg@mecresults.com>
Subject: RE: STBG-SWAP-1415(634)--SG-23 [35633] / Project Limits, Concept Statement and Environmental Submittals - STBG-SWAP-1415(634)--SG-23

Brennan,

Thank you for the fast turnaround. I had a question for you and DeeAnn. The City is planning to submit an application for a potential EDA grant for this project. If the grant is approved, this will become a federal-aid project. Question I had was I believe this project qualifies for a categorical exclusion based on the work and information we have generated so far, am I right in my understanding? And if it does, that is sufficient for NEPA correct? Would it be possible to get a letter that indicates this that we can attach to the application? It would certainly strengthen the City's chances of getting much needed dollars.

I am not an expert in these matters, so asking.

Take care and be safe,
Bhooshan

Bhooshan Karnik, MSCE, PE*, PMP
McClure
(*IA, MO, VA)

From: Dolan, Brennan <Brennan.Dolan@iowadot.us>
Sent: Thursday, July 23, 2020 7:00 AM

To: Bhooshan Karnik <BKarnik@mecresults.com>
Cc: Vanbuskirk, Christy <Christy.Vanbuskirk@iowadot.us>; Newell, Deeann <DeeAnn.Newell@iowadot.us>; Jason Craft <jasoncraft@cityofclintoniowa.us>; Brian Sandberg <bsandberg@mecresults.com>
Subject: RE: STBG-SWAP-1415(634)--SG-23 [35633] / Project Limits, Concept Statement and Environmental Submittals - STBG-SWAP-1415(634)--SG-23

Bhooshan et al.,

The attached letter and hard copy reports were sent to SHPO today. Upon receipt of the R&C number I will provide an update.

Please let me know if you have any questions,

BRENNAN DOLAN, RPA 18023
CULTURAL RESOURCES MANAGER/ARCHAEOLOGIST
LOCATION AND ENVIRONMENT
iowadot.gov ☐ Iowa Department of Transportation
Office: 515-239-1795 ☐ @iowadot

From: Bhooshan Karnik <BKarnik@mecresults.com>
Sent: Monday, July 20, 2020 3:27 PM
To: Dolan, Brennan <Brennan.Dolan@iowadot.us>
Cc: Vanbuskirk, Christy <Christy.Vanbuskirk@iowadot.us>; Newell, Deeann <DeeAnn.Newell@iowadot.us>; Jason Craft <jasoncraft@cityofclintoniowa.us>; Brian Sandberg <bsandberg@mecresults.com>
Subject: RE: STBG-SWAP-1415(634)--SG-23 [35633] / Project Limits, Concept Statement and Environmental Submittals - STBG-SWAP-1415(634)--SG-23

Brennan,

The improvements are listed below. From the information we have it appears everything we are reconfiguring/replacing are RCP.

- S. 19th Street to College Avenue – Adding new RCP along Manufacturing Drive.
- S. 19th Street – Replacing trunk line on west side of road (Existing is 18" RCP and we'll be replacing with RCP)
- Intersection of S. 19th Street – Replacing/Reconfiguring existing RCP's in intersection to meet the needs of roundabout location (all pipes are noted as RCP and will be replaced with RCP)
- 700' SW of S. 21st Street to Manufacturing Ct – Adding new RCP along Manufacturing Drive and Replacing existing RCP outlet for the system.

Let me know if you need anything else.

Thanks and be safe,
Bhooshan

Bhooshan Karnik, MSCE, PE*, PMP
McClure
(*IA, MO, VA)

From: Bhooshan Karnik
Sent: Wednesday, July 15, 2020 10:47 AM
To: Dolan, Brennan <Brennan.Dolan@iowadot.us>
Cc: Vanbuskirk, Christy <Christy.Vanbuskirk@iowadot.us>; Newell, Deeann <DeeAnn.Newell@iowadot.us>; Jason Craft <jasoncraft@cityofclintoniowa.us>; Brian Sandberg <bsandberg@mecresults.com>
Subject: RE: STBG-SWAP-1415(634)--SG-23 [35633] / Project Limits, Concept Statement and Environmental Submittals - STBG-SWAP-1415(634)--SG-23

Brennan,

We will get the information compiled and to you next week. Please let me know if there is anything else you need.

Thanks and be safe,
Bhooshan

Bhooshan Karnik, MSCE, PE*, PMP
McClure
(*IA, MO, VA)

From: Dolan, Brennan <Brennan.Dolan@iowadot.us>
Sent: Tuesday, July 14, 2020 8:53 AM
To: Bhooshan Karnik <BKarnik@mecresults.com>
Cc: jasoncraft@ci.clinton.ia.us; Vanbuskirk, Christy <Christy.Vanbuskirk@iowadot.us>; Newell, Deeann <DeeAnn.Newell@iowadot.us>
Subject: RE: STBG-SWAP-1415(634)--SG-23 [35633] / Project Limits, Concept Statement and Environmental Submittals - STBG-SWAP-1415(634)--SG-23

Bhooshan,

I see the concept statement includes the storm sewer improvements. Can you provide with us the scope of this part of the project? Specifically, can you let me know if any parts of the existing system will be replaced and if so what materials the system consists of (segmental, vcp, concrete, stone, etc.)

I ask because a few of the eastern Iowa cities along the Mississippi have identified historically significant and fairly highly engineered storm and septic systems.

Thanks for the clarification, Brennan –

From: mailroom@tpms.org <mailroom@tpms.org> **On Behalf Of** Bhooshan Karnik
Sent: Wednesday, June 24, 2020 12:35 PM
To: Ravada, Chandra [DOT Contact] <cravada@ecia.org>; Vanbuskirk, Christy <Christy.Vanbuskirk@iowadot.us>; Albright, Joseph <Joseph.Albright@iowadot.us>; Mulholland, David <David.Mulholland@iowadot.us>; Dolan, Brennan <Brennan.Dolan@iowadot.us>; Newell, Deeann <DeeAnn.Newell@iowadot.us>
Cc: jasoncraft@ci.clinton.ia.us; bkarnik@mecresults.com; tstovie@mecresults.com; chad.meyer@mecresults.com
Subject: STBG-SWAP-1415(634)--SG-23 [35633] / Project Limits, Concept Statement and Environmental Submittals - STBG-SWAP-1415(634)--SG-23

TPMS-EMAIL-143980 Sent at 12:34:49 PM on 24-Jun-2020
STBG-SWAP-1415(634)--SG-23 [TPMS#35633] / Check Plans / STBG-SWAP-1415(634)--SG-23 [35633] / Project Limits, Concept Statement and Environmental Submittals

All,

Although this is a SWAP project, I am attaching a concept statement to make sure all are informed about the scope of the project. A couple of points to be considered and would need your help with as you review the concept statement.

1. The project limits per TPMS are from Bluff Blvd to Railroad tracks. The actual project limits are from US 30 to College Ave. This will need to be changed in STIP and TPMS, with corresponding changes made to TPMS in terms of the location figure and other settings.
2. The project budget has been updated to reflect the new estimated construction cost in the settings. However, the status page still shows a funding alert.
3. The project includes an HMA overlay from US 30 to the railroad crossing and a complete PCC reconstruction from the crossing to College Avenue. The project type should be Pavement-New?
4. The project will include replacing the two bridges with new bridges. The current information about the bridges is in the concept statement. TPMS settings will need to be updated to reflect this change.

On the environmental side of things, McClure, through its subconsultant Impact 7G has completed the archaeological, T&E species and Wetland investigations for this project. No archaeological or T&E related issues of concern were found in the investigation. Approximately 0.25 acres of wetland were identified. These reports are attached to this email for your review and use as necessary. Please advise next steps or if you need additional information from us.

Thanks and be safe,
Regards,
Bhooshan
515-451-7270

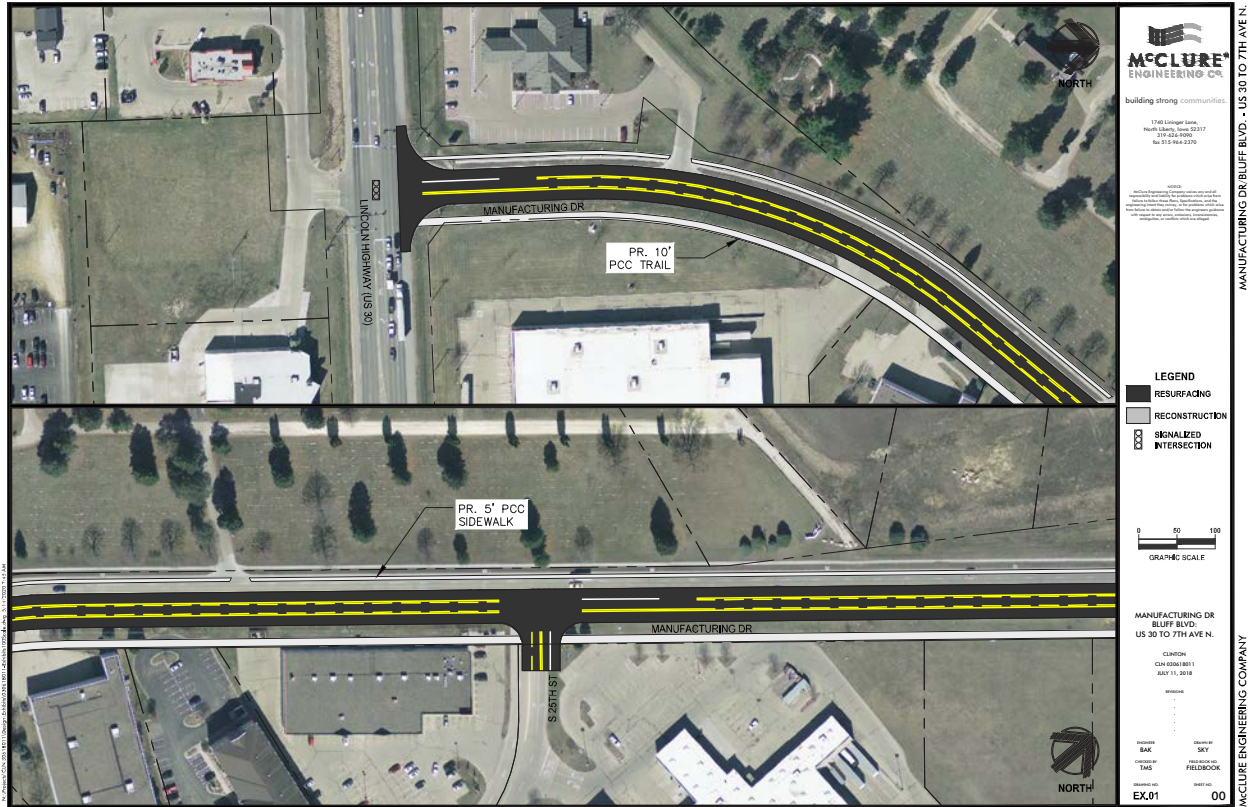
Respond via TPMS: [Reply](#) [Forward](#) [View Project](#)

File Links: (click to open)

- * [35633 STBG-SWAP-1415\(634\)-SG--23 Concept Statement.pdf](#)
- * [35633 CRM Report 112a Manufacturing Drive Archaeology reduced.pdf](#)
- * [35633 CRM Report 112b Manufacturing Drive Architecture Reduced.pdf](#)
- * [35633 McClure-004 TE Review Impact7G 2020-06-17.pdf](#)
- * [35633 McClure-004 Manufacturing Drive Reconstruction Wetland Report-Impact7G 2020-6-17.pdf](#)

APPENDIX C

RIGHT-OF-WAY IMPACTS









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ENGINEERING CO.
building strong communities

1740 Linger Lane,
Huntsville, TN 37417
256-964-1000
Fax: 256-964-2370

NOTES
This drawing is a preliminary design and is not to be used for construction. It is subject to change without notice. The client is responsible for obtaining all necessary permits and approvals. The engineer is not responsible for any errors or omissions in this drawing.

LEGEND

- RESURFACING
- RECONSTRUCTION
- SIGNALIZED INTERSECTION

0 50 100
GRAPHIC SCALE

**MANUFACTURING DR
BLUFF BLVD:
US 30 TO 7TH AVE N.**

CLINCHDA
CIN 0200 001 1
REV 11, 2018

REVISIONS

DATE	BY	REVISION
01/11/18	SKY	SKY
01/11/18	FEELBOOK	FEELBOOK

EX,09 00

MANUFACTURING DR BLUFF BLVD. - US 30 TO 7TH AVE N.