



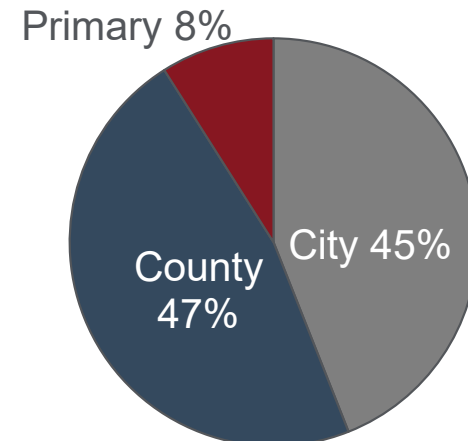
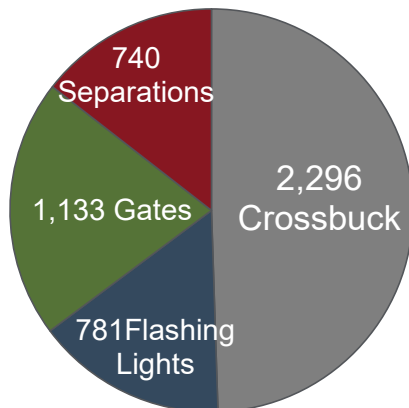
**FY 2023 Highway-Railroad Crossing
Safety Program**

September 14, 2021



Program

- **FHWA Funding available for states to improve warning devices at railroad crossings. (23 USC Section 130)**
 - Amount of appropriation funded by FHWA is determined by the number of public crossings in the state.
 - Iowa currently has 4,950 public railroad crossings.



Project Evaluation Criteria

- Benefit-Cost Ratio
 - Formula includes:
 - Number of accidents
 - Exposure Index, (number of trains x number of vehicles)
 - Train traffic
 - Vehicle traffic
 - Predicted Accidents, (train speed, roadway speed, number of traffic lanes, number of tracks)
 - Existing warning devices vs. possible upgrades
 - On-site safety diagnostic review
- An application must be filed with the department

Available Funding and Application Summary

- **90% Federal Funds from FHWA**
- **10% match by Highway Authority or Railroad**
- **Applicant can be either Roadway Authority or Railroad, or combination of the two**
- **Number of projects: 18 (16 & 2 closure incentives)**
- **Total project costs: \$5,700,556**
- **Total FHWA project costs: \$5,130,500**
- **Annual Apportionment: \$5,051,497**

List of Applications Recommended

PROJECT NAME	SPONSOR	SCORE	TOTAL PROJECT COST	REQUESTED AMOUNT (% of Total Project Cost)	RECOMMENDED AMOUNT (% of Total Project Cost)
NE Broadway 876012P	• Polk County	N/A *	\$555,555.56	\$500,000 (90%)	\$500,000 (90%)
IA 3, 067357C	• BNSF Railroad • Iowa DOT	4.46	\$35,000	\$31,500	\$31,500 (90%)
115 th Street, 190461F	• UP Railroad • Cedar County	3.35	\$375,000	\$337,500 (90%)	\$337,500 (90%)
185th Avenue, 608572K	• UP Railroad • Kossuth County	1.35	\$325,000	\$292,500 (90%)	\$292,500 (90%)
E Street 385427R	• DME Railroad • City of Charles City	1.47	\$475,000	\$427,500 (90%)	\$427,500 (90%)

* There is no modeling for a grade separation, (elimination of a railroad crossing via a bridge) within the project selection formulas. Polk County has a \$5 million project to replace the at-grade railroad crossing with a roadway-under bridge. This funding request will make the project possible.

List of Applications Recommended

PROJECT NAME	SPONSOR	SCORE	TOTAL PROJECT COST	REQUESTED AMOUNT (% of Total Project Cost)	RECOMMENDED AMOUNT (% of Total Project Cost)
440 th Street, 608579H	<ul style="list-style-type: none"> UP Railroad Kossuth County 	1.35	\$325,000	\$292,500 (90%)	\$292,500 (90%)
8 th Avenue SE, 190501B	<ul style="list-style-type: none"> UP Railroad City of Cedar Rapids 	1.24	\$375,000	\$337,500 (90%)	\$337,500 (90%)
42 nd Street, 607858A	<ul style="list-style-type: none"> IANR Railroad City of Cedar Rapids 	1.22	\$225,000	\$202,500 (90%)	\$202,500 (90%)
Linwood Avenue 190734X	<ul style="list-style-type: none"> UP Railroad Greene County 	1.19	\$375,000	\$337,500 (90%)	\$337,500 (90%)
Wilson Avenue SW, 376730N	<ul style="list-style-type: none"> CRANDIC Railroad City of Cedar Rapids 	1.0	\$325,000	\$283,500 (90%)	\$292,500 (90%)

List of Applications Recommended

PROJECT NAME	SPONSOR	SCORE	TOTAL PROJECT COST	REQUESTED AMOUNT (% of Total Project Cost)	RECOMMENDED AMOUNT (% of Total Project Cost)
32 nd Avenue, 190547P	<ul style="list-style-type: none"> • UP Railroad • Benton County 	0.97	\$375,000	\$337,500 (90%)	\$337,500 (90%)
Tombstone Trail, 607175J	<ul style="list-style-type: none"> • DME Railroad • Muscatine County 	0.75	\$475,000	\$427,500 (90%)	\$427,500 (90%)
22 nd Avenue, 922467W	<ul style="list-style-type: none"> • UP Railroad • Benton County 	0.67	\$375,000	\$337,500 (90%)	\$337,500 (90%)
William Street, 380054C	<ul style="list-style-type: none"> • DME Railroad • City of Carpenter 	0.66	\$475,000	\$427,500 (90%)	\$427,500 (90%)
US 6, 606843G	<ul style="list-style-type: none"> • IAIS Railroad • Iowa DOT 	0.61	\$375,000	\$337,500 (90%)	\$337,500 (90%)

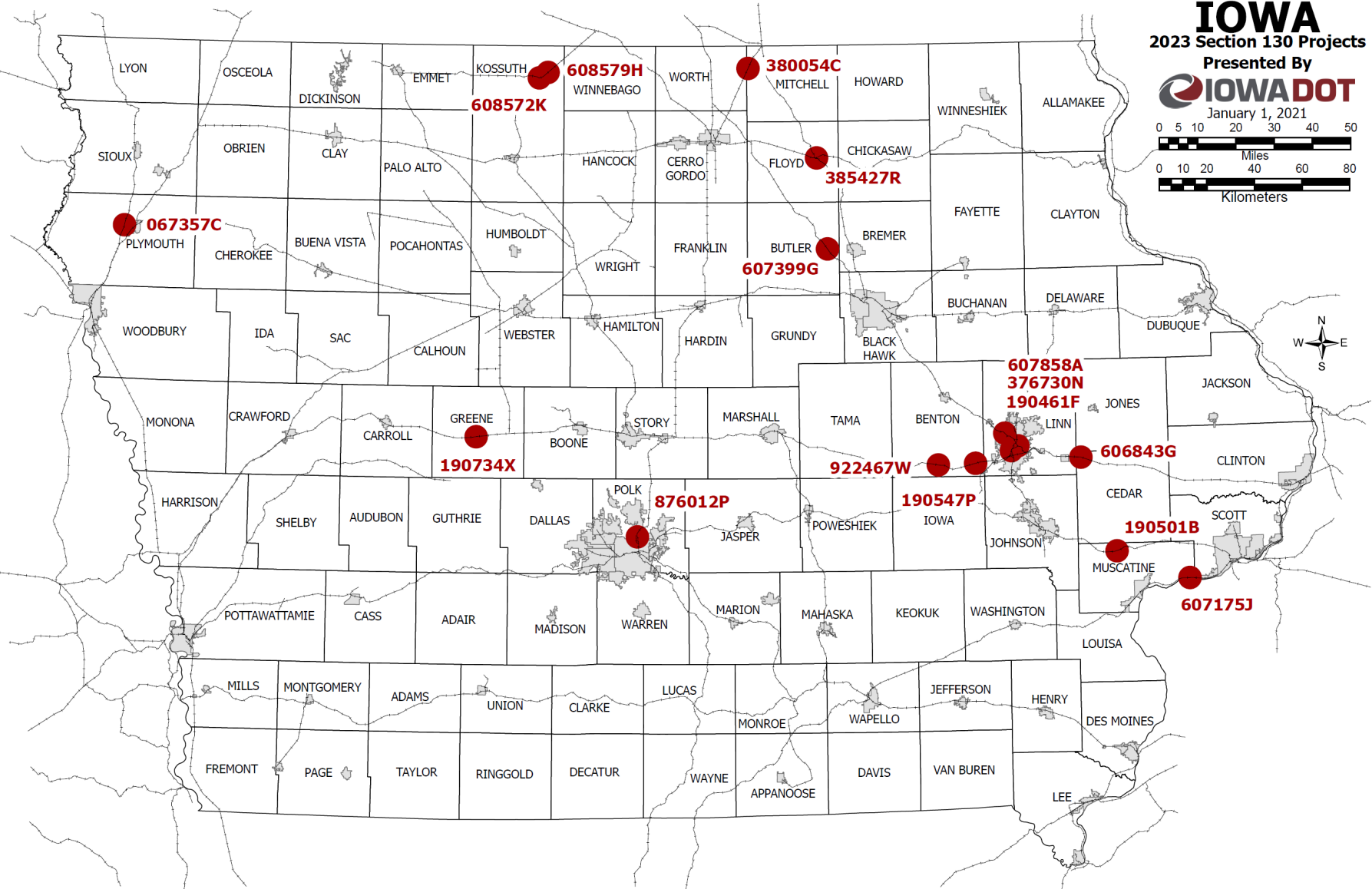
List of Applications Recommended

PROJECT NAME	SPONSOR	SCORE	TOTAL PROJECT COST	REQUESTED AMOUNT (% of Total Project Cost)	RECOMMENDED AMOUNT (% of Total Project Cost)
220 th Street 607399G	<ul style="list-style-type: none"> IANR Railroad Butler County 	0.14 **	\$220,000	\$198,000 (90%)	\$198,000 (90%)
2 projected closure incentive payments at various locations (\$7,500 each location)	<ul style="list-style-type: none"> TBD 	N/A	\$15,000	\$15,000 (100%)	\$15,000 (100%)

** Shell Rock Soy Processing announced that they would be opening a new soybean processing facility immediately to the west of the IANR main track and south of 220th Street. The plant location is directly south of new projects: Trinity Rail Maintenance Services, Butler Intermodal Terminal, Zinpro Corporation, and American Colloid Company, due west of Flint Hills Resources ethanol plant. There is significant industrial and job growth in this area.

The current roadway average daily traffic factored into the project selection formula does not represent the anticipated growth in this area, nor the number of vehicles anticipated to traverse this railroad crossing.

Map of Recommended Awards



IOWA
2023 Section 130 Projects
Presented By
IOWA DOT
January 1, 2021

0 5 10 20 30 40 50
0 10 20 Miles 40 60 80
0 10 20 Kilometers 40 60 80



QUESTIONS?



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