

RESOLUTION 31-1

WHEREAS, County policies and procedures require that the acceptance of grants of \$30,000 or more must be approved by the full County Board; and,

WHEREAS, the Sangamon County Highway Department wishes to apply for and accept a grant from the Illinois Department of Transportation for the FY20 and FY21 Local Rail-Highway Grade Crossing Program (Section 130 Funds) in the amount of approximately \$2,000,000; and,

WHEREAS, this grant will allow the Sangamon County Highway Department to reduce the local share of the total project cost of the proposed Iron Bridge Road and Woodside Road grade separation projects, and;

WHEREAS, as documented by the approval of this resolution, the Finance Committee has approved the Highway Department's request to apply for the Illinois Department of Transportation for the FY20 and FY21 Local Rail-Highway Grade Crossing Program (Section 130 Funds) and the committee recommends that the County Board approve the acceptance of this grant, if awarded by the Illinois Department of Transportation; and,

NOW THEREFORE BE IT RESOLVED, by the County Board of Sangamon County at its Regular Reconvened Adjourned September Session, assembled this 14th day of May, A.D., 2019, that the Sangamon County Highway Department is hereby authorized to accept the grant, if awarded to Sangamon County from the Illinois Department of Transportation.

BE IT FURTHER RESOLVED, by the County Board of Sangamon County that the County Administrator or Engineer are hereby authorized and directed to sign on behalf of Sangamon County.

Respectfully submitted

I, Don Gray, County Clerk in and for said County in the State of Illinois, and keeper of the records and files thereof as provided by Statute, do hereby certify the foregoing to be a true, perfect and complete copy of a RESOLUTION adopted by the County Board of Sangamon County at its REGULAR RECONVENED ADJOURNED SEPTEMBER SESSION, assembled this 14th day of May, A.D., 2019.

I certify that the correct TIN/FEIN for Sangamon County is 37-6002039
Legal Status: Governmental

In testimony whereof, I have hereunto set my hand and affixed the seal of said County at my office in Springfield in said County, this _____ day of May, A.D., 2019.

COUNTY CLERK **FILED**
MAY 09 2019

Don Gray
Sangamon County Clerk

Finance Committee

31-2

SANGAMON COUNTY - GRANT APPROVAL FORM

Requesting Department: Highway Department

Grant Program Title: Local Rail-Highway Grade Crossing Program

This request is for: a new grant renewal or extension of an existing grant

Grantor: Illinois Department of Transportation

Brief description of the grant program and its benefits to Sangamon County:

This program is an application based program to implement safety improvements at current at-grade highway and rail crossings. Sangamon County will benefit by reducing our local investment in the proposed Iron Bridge and Woodside Road grade separation construction projects currently slated for June 2020 IDOT letting.

Anticipated Grant Revenue Amount:: \$2,000,000

Are matching funds required? Yes No

If yes, please state the amount and the source of matching funds:

10% local match is required, however, Sangamon County was already investing a higher portion in relation to the entire program costs.

If this grant is approved, will any new personnel be hired: Yes No

If Yes, please indicate the number and cost of personnel:

Are there any *indirect* costs or *legal* requirements associated with this grant (i.e., increased workload on existing staff, requirements to continue specific programs after grant periods, etc.): Yes No

If Yes, please provide details. Include attachment if needed:

	Current FY	Current FY + 1	Current FY + 2
Number of Employees			
Personnel Costs (in dollars)			
Fringe Benefit Cost			
Other Costs (Equipment, etc)			
Total Cost			

Requested by: B. Davis
(Department Head Signature)

Date: 5-9-2019

RECEIVED
2660

MAY : 9 2019

Andy Goleman
SANGAMON COUNTY AUDITOR



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

March 28, 2019

CIRCULAR LETTER 2019-04

FY 2020 AND 2021 LOCAL RAIL-HIGHWAY GRADE CROSSING SAFETY PROGRAM (SECTION 130 FUNDS)

COUNTY ENGINEERS / SUPERINTENDENTS OF HIGHWAYS
METROPOLITAN PLANNING ORGANIZATIONS - DIRECTORS
MUNICIPAL ENGINEERS / PUBLIC WORKS DIRECTORS / MAYORS
TOWNSHIP HIGHWAY COMMISSIONERS
CONSULTING ENGINEERS

IDOT provided a Notice of Funding Opportunity (NOFO) on March 25, 2019. The Funding Opportunity Number is 20-1472-01. The NOFO for this program is available here: NOFO This program is listed in the Catalog of State Financial Assistance (CSFA) as 494-00-1472.

The Department is now accepting applications for the Fiscal Year 2020 and 2021 Local Rail / Highway Grade Crossing Safety Program (Section 130 Funds). Attached is the application form (BSPE RR 01) for the program. Applicants are requested to submit their application electronically. Information on the submittal process is provided with the form instructions.

The following safety improvements will be considered:

1. Crossing Closure
2. Railroad Warning Devices for the roadway or pedestrian crossings
3. Railroad Circuitry
4. Railroad Crossing Surface Renewal. This will be allowed only if the warning devices and / or circuitry are improved. Pictures of the existing crossing surface will need to be submitted.
5. Roadway Approaches. This will be allowed only if the warning devices and / or circuitry are improved and the existing profile grade does not meet IDOT / Illinois Commerce Commission (ICC) requirements. A drawing of the existing profile and proposed profile will need to be submitted.
6. Other (Signal interconnect, grade separation, or etc.)

IDOT continues to place a strong emphasis on crossing closure, warning device, and circuitry related projects as opposed to crossing surface and roadway approach projects. The Section 130 funds will match up to \$7,500 of a Railroad's incentive for a crossing closure. The program will work with the ICC crossing closure program and incentives where possible.

31-4

A completed application, along with required attachments should be submitted to IDOT for each location where safety improvements are proposed. A complete application is considered one that contains the following:

1. Complete BSPE RR 01 form
2. General overview location map
3. Detailed location map
4. Location photographs
5. Existing and proposed roadway profiles (Only if roadway approach work is proposed)

A breakdown of the estimated project cost for all phases of the project and for each of the proposed improvement types should also be included on the application. Applications with considerable missing information will be returned to the applicant be completed. Please note that IDOT may independently select projects jointly with the ICC or by review of locations having a documented history of crashes.

While a co-applicant is not required, it is preferred for concurrence on the proposed scope of work and the estimated project cost. If the applicant is the local public agency (LPA), then the co-applicant is the railroad. If the applicant is the railroad, then the co-applicant is the LPA. Discussions between co-applicants are helpful, so all of the necessary improvements and realistic estimated project costs are submitted. If you need help determining who the co-applicant would be please contact Mr. Bill Pearsall at the location below.

The maximum federal share is 90 percent for railroad warning devices and circuitry; assignment of the 10 percent match will be determined by the type of project proposed. Railroad crossing surface renewals will be funded at 90 percent federal share; the 10 percent match will be assigned to the railroad. For roadway approach projects, IDOT will first work with the ICC to fund these with Grade Crossing Protection Funds (GCPF). If GCPF are not available; the roadway approaches will be funded at 90 percent federal share and the 10 percent match will be assigned to the LPA. Any local agency projects (non-railroad work) using Section 130 funds is preferred to be placed on a state letting and can only be locally let with Central Office approval.

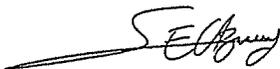
We request county engineers work with the individual township highway commissioners to identify at-grade crossings that may need safety improvements.

Please submit applications to IDOT by May 17, 2019 at 11:59 PM. Following receipt of the applications, on-site inspections at the candidate locations may be performed. After prioritization and selection of candidate projects, successful applicants will be notified by this office of the selected projects for the FY 2020 and 2021 programs.

Circular Letter 2019-04
Page 3
March 28, 2019

Please contact Mr. Bill Pearsall by telephone at (217) 785-2986 or by email at william.pearsall@illinois.gov with any questions regarding the federal rail / highway grade crossing safety program.

Sincerely,



Stephane B. Seck-Birhame, P.E., PTOE
Acting Engineer of Local Roads and Streets



Cynthia L. Watters, P.E.
Engineer of Safety Programs and Engineering

WRP/tp

Attachment

cc: Jon-Paul Kohler, Federal Highway Administration – Illinois Division
Brian Vercruysse, Illinois Commerce Commission
Mike Pedigo, Illinois Association of County Engineers
Jeff Scott, Illinois Municipal League
Bryan Smith, Township Officials of Illinois
Charlie Montgomery, Township Highway Commissioners of Illinois

31-6



Local Public Agency: Sangamon County
 Route: Woodside Rd (CH23)
 County: Sangamon
 District: 6
 Railroad: Union Pacific Railroad (UP)
 Mile Post: 191.07
 Crossing Inventory Number: 294328R

Existing Crossing and Roadway Characteristics

Crossing Surface Type: Concrete (cast-in-place and pre-cast)
 Crossing Width: 70
 Angle of Crossing: 66 Degrees
 Road Surface Type: Hot Mix Asphalt
 Roadway Width: 35
 Shoulder Type (if applicable): Hot Mix Asphalt
 Shoulder Width: 4

ADT: 11600
 % Trucks: 3
 Speed Limit: 40
 Posted: Yes No

Intersecting Roads:
 Within 100': Iron Bridge Rd (CH22)
 Within 200': Pedigo Lane
 Traffic Control Devices Present within 200' of Crossing: Signalized Interconnect @ Iron Bridge Rd

Number of School Buses: 33/day
 Hazardous Materials: Yes No
 Emergency Vehicles: Yes No
 A detailed map is required with the crossing located in the center. For rural crossings (4 miles x 4 miles) and urban crossings (1 mile x 1 mile) showing all roads. Please mark each with the letter indicated - schools (S), industrial plants / fertilizer dealers (I), landfills (L), hospitals (H), fire stations (F), ambulance garages (A), and police stations (P) with in boundaries.

Existing Train Characteristics

Existing Warning Devices: 4-Quadrant Gates with Flashers, Interconnect with Presignal prior to Interurban Trail, Signs & Pavement Marking

Existing Circuitry: Remote monitoring, Three-wire supervisor, interconnect traffic signal controller, constant warn, preempt @35 sec

Number of Tracks:
 Main: 1
 Industrial:
 Switching:
 Other:
 Trains per Day:
 Passenger: 10
 Freight: 8
 Switch:
 Other:
 Trains Speed:
 Passenger: 79
 Freight: 79
 Switch:
 Other:
 Simultaneous Movements: Yes No

"B" Factors - Basic Values for Railroad Protection Devices (select all that apply, but use the lowest value as the "B" Factor)	
Existing Components in Place	Basic Values
<input type="checkbox"/> Crossbucks, Traffic Volume Less Than 500 Vehicles per day	3.89
<input type="checkbox"/> Crossbucks	Urban = 3.06 / Rural = 3.08
<input checked="" type="checkbox"/> Flashing Lights	Urban = 0.23 / Rural = 0.93
<input checked="" type="checkbox"/> Gates	Urban = 0.08 / Rural = 0.19

Expected Crash Frequency (ECF) = 0.0000013 x ADT x Trains/Day x "B" (see table above for "B" Factors)
 ECF = 0.0000013 x 11600 x 18 x Rural = 0.19 = 0.0515736

317

Description of Proposed Improvement Types

RR Warning Devices

[Empty text box]

RR Circuitry

[Empty text box]

RR Crossing Renewal

[Empty text box]

Roadway Approaches

The overpass of Iron Bridge must be inclusive with the Woodside underpass to achieve grade separation.

Other

New Grade Separation at Woodside Rd (Roadway Underpass). Also new Iron Bridge Rd Overpass

Estimated Project Cost

Typical Split (Federal / Match)	RR Warning Devices 90/10	RR Circuitry 90/10	RR Crossing Surface Renewal 90/10	Roadway Approaches GCPF or 90/10	Other To be determined	Total
Preliminary Engineering					\$1,606,821.00	\$1,606,821.00
Utility					\$1,128,900.00	\$1,128,900.00
ROW					\$1,382,311.00	\$1,382,311.00
Construction					\$24,996,350.00	\$24,996,350.00
Construction Engineering					\$1,475,781.00	\$1,475,781.00
Total					\$30,590,163.00	\$30,590,163.00

Project Applicant

Railroad Company Local Public Agency IDOT District

This application was prepared by:

This application was prepared on:

Name and Title

Date

Woodside Road Grade Separation

05/08/19

Applicant's contact information:

Address

City

State

Zip Code

3003 Terminal Ave

Springfield

IL

62561

Phone

Email

(217) 535-3070

arlin.williams@co.sangamon.il.us

It is preferred that the project applicant coordinate with the co-applicant on the proposed scope of work and estimated program costs prior to submitting the application to IDOT, but it is not required.

Project Applicant

Railroad Company Local Public Agency IDOT District

This application was prepared by:

This application was prepared on:

Name and Title

Date

[Empty text box]

[Empty text box]

Applicant's contact information:

Address

City

State

Zip Code

[Empty text box]

[Empty text box]

[Empty text box]

[Empty text box]

Phone

Email

[Empty text box]

[Empty text box]

Note: A location map and detailed map must be included with the completed application. If RR Crossing Surface Renewal is included, photographs are required. If Roadway Approaches are included, a drawing of the existing and proposed profile are required.

For additional information, please contact Bill Pearsall at William.Pearsall@illinois.gov or (217) 785-2986.

See instructions for submitting the application and attachments electronically.

If a hardcopy needs to be submitted, please send to:

Illinois Department of Transportation
Bureau of Safety Programs and Engineering – Room 005
2300 South Dirksen Parkway
Springfield, Illinois 62764

Instructions for BSPE 04100

Below for each section of the application is where the information may be obtained, all fields should be completed. Drop down choices will be included for some fields. Applications with considerable missing information or no co-applicant will be returned to be completed. After filling out the application electronically, click the "Submit Form" in the upper right hand corner.

Required attachments should be submitted by separate email (William.Pearsall@illinois.gov). The filenames will include the AAR DOT Crossing (example for crossing 542 318N):

- 542 318N - Location Map.pdf
- 542 318N - Detailed Map.pdf
- 542 318N - Photographs x of y.pdf (where x of y denoted the number of photographs)
- 542 318N - Existing and Proposed Profile.pdf

PDF documents are preferred, however; if you are unable to convert, other file formats will be accepted.

Existing Crossing and Roadway Characteristics

- Field visit.
- Contact the local highway authority - local public agency (LPA).
- Contact the railroad.
- ICC's website (<https://www.icc.illinois.gov/railroad/searchCrossingNumber.aspx?>)
- FRA's website (<http://safetydata.fra.dot.gov/OfficeofSafety/PublicSite/Crossing/Crossing.aspx>)
- IDOT's website (<http://www.gettingaroundillinois.com/gai.htm?mt=aadt>)

Existing Train Characteristics

- Contact the railroad.
- ICC's website (<https://www.icc.illinois.gov/railroad/searchCrossingNumber.aspx?>)
- FRA's website (<http://safetydata.fra.dot.gov/OfficeofSafety/PublicSite/Crossing/Crossing.aspx>)

"B" Factors - Basic Values for Railroad Protection Devices

- Field visit.
- Contact the railroad.
- ICC's website (<https://www.icc.illinois.gov/railroad/searchCrossingNumber.aspx?>)
- FRA's website (<http://safetydata.fra.dot.gov/OfficeofSafety/PublicSite/Crossing/Crossing.aspx>)

Description of Proposed Improvements

Provide a description of the proposed improvements in each improvement type as needed. Some key words to use "Install new ...", "Upgrade existing with ...", "this will require a new ...", "N/A" etc.

Example :

- RR Warning Devices:*** The existing flashing lights and signals will be upgraded to flashing lights signals and gates.
- RR Circuitry:*** New constant warning time circuitry will be installed. Two small bungalows will be required at the start of the CWT on each end.
- RR Crossing Renewal:*** N/A
- Roadway Approaches:*** The roadway at the existing hump crossing will need to be reconstructed to provide a proper profile meeting IDOT / ICC requirements. It is anticipated additional ROW will be required.
- Other:*** N/A or Proposed crossing closure.

Estimated Project Cost

For each phase (PE, Utility, ROW, Construction, and CE) of each proposed improvement type provide a total (do not split). If a phase or proposed improvement type is not required, enter "0". The totals will calculate.

Project Applicant / Co-Applicant

It is preferred that the project applicant coordinate with the co-applicant on the proposed scope of work and estimated program costs prior to submitting the application to IDOT, but it is not required.



Woodside Road Grade Separation
294328R

Project Site
(SW of
Springfield, IL)

Detailed Map 294328R
Woodside Road Grade Separation

Google Earth
© 2018 Google

2 mi



N Pawnee Rd 28

Lake Springfield

Long Bay Dr

Sangamon Spring Rd

17th St

Southern View

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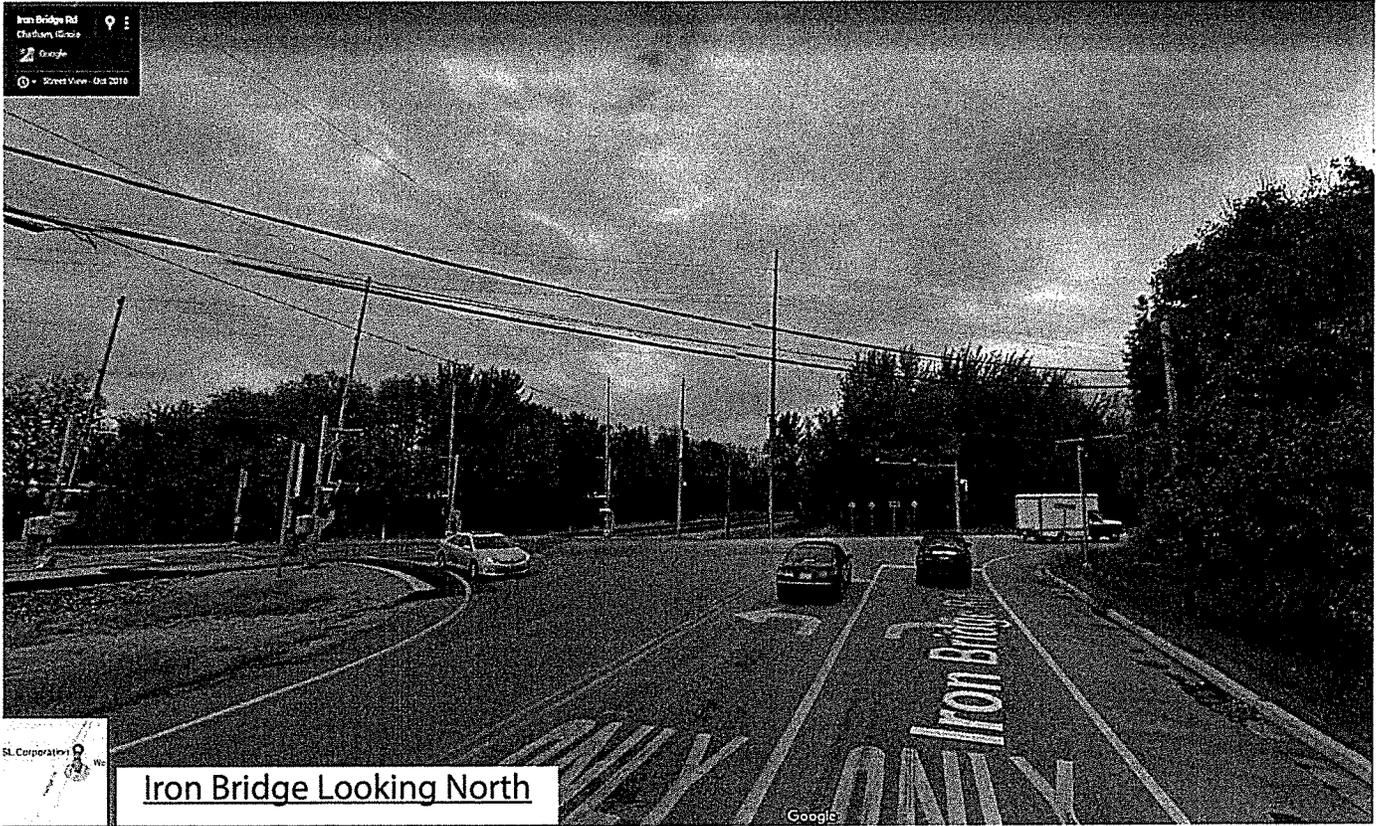


Woodside Rd Looking East



Woodside Rd Looking East

Photographs 1 of 1
294328R
Woodside Road Grade Separation



Iron Bridge Looking North



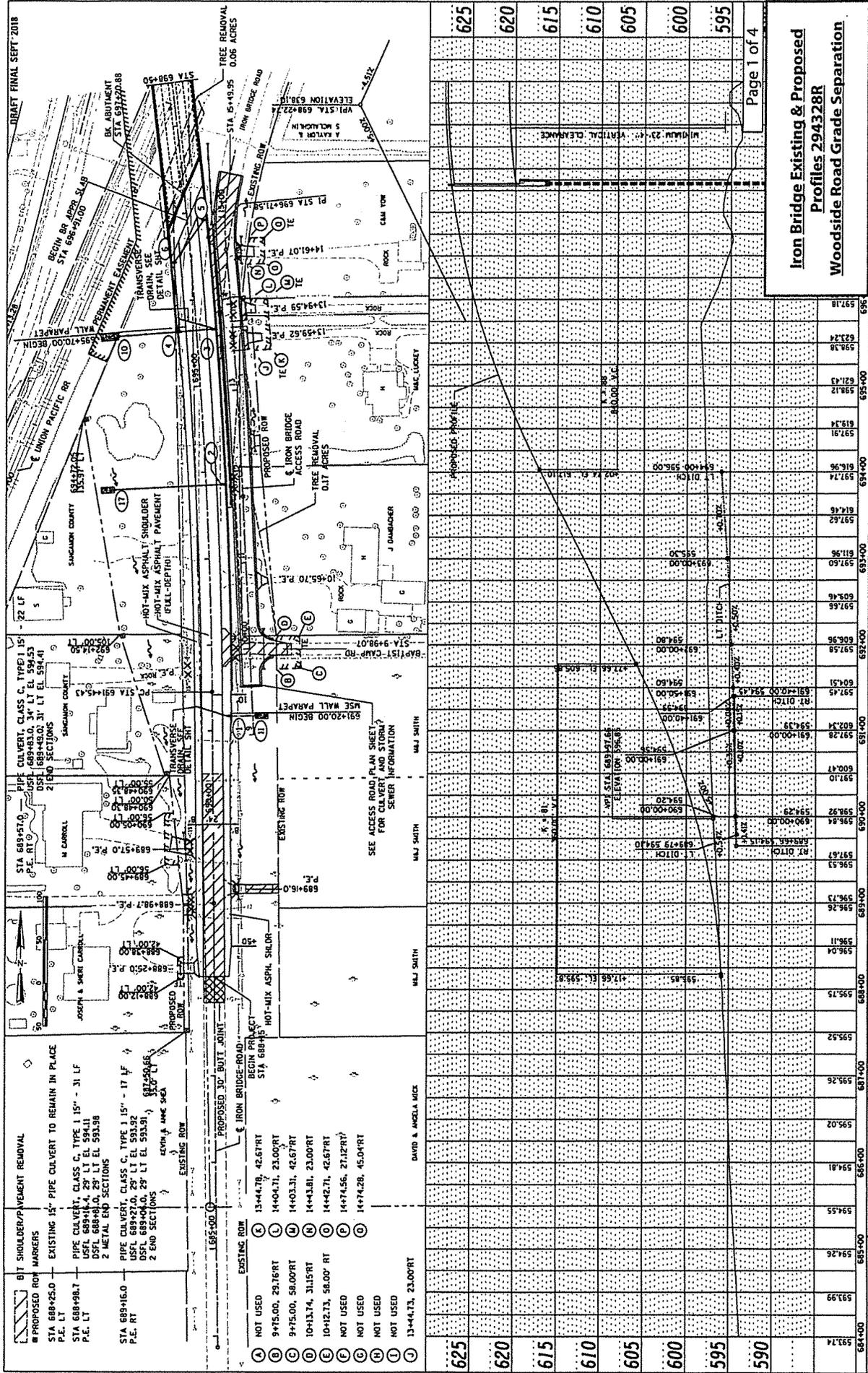
Iron Bridge Roadway Overpass

Woodside Roadway Underpass

Overall Design Layout
Iron Bridge Overpass and
Woodside Underpass

Photographs 1 of 1
294328R
Woodside Road Grade Separation

3143



Iron Bridge Existing & Proposed Profiles 294328R
Woodside Road Grade Separation

Page 1 of 4

STATION	PROFILE	DATE	BY	CHKD	APP'D	REVISION
688+00	593.74					
689+00	593.99					
689+26	594.26					
689+55	594.55					
689+81	594.81					
689+00	595.00					
689+26	595.26					
689+52	595.52					
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STATE OF ILLINOIS
 SANGAMON COUNTY HIGHWAY DEPARTMENT

IRON BRIDGE JUNCTION PLAN & PROFILE
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

DESIGNED - JCS
 CHECKED - JCS
 DATE - 11/25/2013

FILE NO. - 294328R
 PROJECT - WOODSIDE RD. GRADE SEPARATION

DATE	BY	REVISION

PROJECT NO.	294328R
DATE	11/25/2013
BY	JCS
CHECKED	JCS

SECTION	01-001345-01-17
CONTRACT NO.	93671
SHEET NO.	179
TOTAL SHEETS	27

FOR ROAD DEPT. NO. 6 ILLINOIS HIGHWAY DEPARTMENT



PROJECT NO.	294328R
DATE	11/25/2013
BY	JCS
CHECKED	JCS

Woodside Road Grade Separation MP 294 328R

Sangamon County Project

	Estimated Cost				Funding Secured by the Local Agencies						Funding Source			Total
	GCPF Eligible	GCPF In-eligible	Total	Sangamon County	Federal SAT-STU	Federal (Section 117)	Federal (HPP)	State	GCPF	% of Eligible	UPRR (Woodside Structure Only)	% of Eligible (Woodside Structure Only)	Total	
Preliminary Engineering	\$ 1,254,715.00	\$ 352,106.00	\$ 1,606,821.00	\$ 87,027.00	\$ -	\$ 373,768.00	\$ 672,894.00	\$ 257,383.00	\$ 146,997.00	60%	\$ 31,980.00	5%	\$ 1,570,049.00	
Land Acquisition Services	\$ 216,064.00	\$ 60,481.00	\$ 276,545.00	\$ -	\$ -	\$ -	\$ 157,220.00	\$ 80,020.00	\$ 28,502.00	60%	\$ 5,343.00	5%	\$ 271,085.00	
Right of Way Acquisition	\$ 728,913.00	\$ 376,852.00	\$ 1,105,765.00	\$ 456,972.00	\$ -	\$ -	\$ -	\$ 175,000.00	\$ 437,348.00	60%	\$ 17,942.00	5%	\$ 1,087,262.00	
Utility Relocation	\$ 974,947.00	\$ 153,953.00	\$ 1,128,900.00	\$ 495,185.00	\$ -	\$ -	\$ -	\$ -	\$ 584,968.00	60%	\$ 44,742.00	5%	\$ 1,124,895.00	
Construction	\$ 17,376,115.00	\$ 7,220,235.00	\$ 24,596,350.00	\$ 5,461,325.00	\$ 6,000,000.00	\$ -	\$ 369,886.00	\$ 1,818,597.00	\$ 10,562,184.00	60%	\$ 472,856.00	5%	\$ 24,684,848.00	
Construction Engineering (City - 6%)	\$ 1,042,567.00	\$ 433,214.00	\$ 1,475,781.00	\$ 1,423,653.00	\$ -	\$ -	\$ -	\$ -	\$ -	60%	\$ 28,371.00	5%	\$ 1,452,024.00	
Railroad Flaggers	\$ 400,000.00	\$ -	\$ 400,000.00	\$ 160,000.00	\$ -	\$ -	\$ -	\$ -	\$ 240,000.00	60%	\$ -	-	\$ 400,000.00	
Railroad Force Account	\$ 21,993,321.00	\$ 8,596,841.00	\$ 30,590,162.00	\$ 8,084,162.00	\$ 6,000,000.00	\$ 373,768.00	\$ 1,200,000.00	\$ 2,331,000.00	\$ 11,999,999.00	60%	\$ 601,234.00	-	\$ 30,590,163.00	
Total														

- Total Grade Crossing Protection Fund (GCPF) assistance not to exceed: \$13,195,992.60 toward the project and is based upon a 60% contribution toward estimated eligible costs of: \$21,993,321.00
- Since federal funding is being utilized for the grade separation construction, all such work shall be covered by appropriate provisions of Title 23, Chapter 1, Subchapter G, Part 646 of the Federal-Aid Policy Guide adopted December 9, 1991. Contractor liability insurance will be required.
- UPRR contributes 5% of eligible costs (Woodside Structure Only), their portion would not exceed: \$1,099,666.05 based on GCPF eligible costs. (Note: Zero Percent (0%) Funding Requested from UPRR for the Iron Bridge Structure)