

Announcement of a Meeting for the

DATS Policy Committee

Danville Area Transportation Study

DATE: Thursday, September 11, 2014

TIME: 10:30 AM

PLACE: Danville City Hall

Mayor Conference Room, 2nd Floor

17 W. Main St. Danville, IL 61832

AGENDA

- I. Call to Order & Roll Call
- II. Approval of Agenda
- **III.** Approval of Minutes
 - a. Approval of Minutes from July 17, 2014 meeting
- IV. Public Comment Period
- V. New Business
 - a. Items of Information:
 - i. ADA Compliance Surveying- Danville
 - ii. LRTP Update- Draft Introduction
 - iii. Jackson and Voorhees Survey Summary
 - iv. LRTP Consultant Selection
 - b. Discussion & Vote:
 - i. Letters of Support-Procedural Recommendation
 - ii. Adoption of At-Grade Railroad Crossing Study Report
 - iii. Adoption of Quiet Zone Feasibility Study Report
 - iv. TIP Amendments
 - IDOT

VI. Old Business

- a. Agency Reports
 - i. Vermilion County
 - ii. Danville Township
 - iii. IDOT
 - iv. City of Danville
 - v. Village of Westville
- VII. Adjournment

DATS POLICY COMMITTEE MINUTES

July 17, 2014

A meeting of the Danville Area Transportation Study (DATS) Policy Committee was held on Thursday, July 17, 2014 at Danville City Hall, 17 W. Main St., Danville, IL.

DATS Technical Committee Chairman Mayor Scott Eisenhauer called the meeting to order at 10:30 AM

I. Roll Call:

MEMBERS IN ATTENDANCE: Gary Weinard, County Board Chairman

Doug Staske (Proxy) Vermilion County Highway

Mayor Scott Eisenhauer, City of Danville

Mike West, Danville Township

Mayor Mike Weese, Village of Westville

MEMBERS NOT PRESENT: Craig Emberton, IDOT District 5

OTHERS IN ATTENDANCE: Jaclyn Marganski, DATS Director

Tom Kelso, IDOT

Ross Hilleary, DATS Planner

II. Approval of Agenda –Motion to approve the agenda made by Mayor Mike Weese and seconded by Doug Staske.

a. Voice vote: Yea 4 Nay 0 Absent 1 Abstain 0

III. Approval of Minutes from Technical Committee Meeting of May 15th 2014 made by Mike West and seconded by Doug Staske.

a. Voice vote: Yea 4 Nay 0 Absent 1 Abstain 0

IV. Public Comment Period No public comments.

V. New Business

- a. Items of information
 - i. East Main Street Study State of the Corridor Draft Report
 - 1. The East Main Street Corridor Study will be a comprehensive corridor redevelopment plan focused on Main Street, from Bowman Avenue to Kansas Avenue.
 - 2. The Corridor Study is being completed by Lakota Group, with sub consultants, CLU Group and T.Y. Lin International.
 - 3. The State of the Corridor Draft Report consists of existing conditions, an infrastructure assessment and issues and opportunities.
 - 4. Director Marganski informed the Committee that the Steering Committee Review Meeting that took place on July 15th, 2014 went well and she is looking forward to the upcoming Open House in August.
 - 5. Tom Kelso informed Director Marganski that ITEP Grants could be a source for future corridor or planning projects.

b. Discussion & Vote

- i. Letter of Support for Danville Mass Transit Grant Application
 - 1. Director Marganski was approached from DMT Director John Metzinger for a Letter of Support for FTA Section 509 funds for a competitive bus replacement grant.
 - 2. The "Ladders of Opportunities" funds would replace three buses in their fleet
 - 3. Grant Application is August 4th, 2014
 - 4. The Technical Committee had no obligation.
 - 5. Director Marganski will bring new verbiage to the next Technical Committee for governing document changes allowing DATS to write Letters of Support for participating MPO Organizations; as long as there is no conflict with other MPO participants.
 - 6. Motion for approval the writing of a Letter of Support for DMT made by Doug Staske and seconded by Mike West.
 - 7. Voice vote: Yea 4 Nay 0 Absent 1 Abstain 0
- ii. LRTP 2040 Update Request for Proposals (RFP)
 - 1. Director Marganski and DATS Staff are currently in the process of collecting data and writing the 2040 Long Range Transportation Plan Update.
 - 2. This RFP would be for a consultant, similar to the 2035 LRTP for help with traffic flow projections and prioritizing future projects. This consultant would also focus on working with the different towns, villages, cities, townships and the county.
 - 3. The bulk of the LRTP will be done in-house with DATS Staff.
 - 4. Recommended budget not to exceed \$20,000 of the \$66,000 available funds for special studies.
 - 5. Motion for approving the publishing of a RFP for a consultant to assist in updating the LRTP 2040 update made by Doug Staske and seconded by Mike West.
 - 6. Voice vote: Yea 4 Nay 0 Absent 1 Abstain 0

iii. TIP Amendments VC 17-06 / DA 18-01

- 1. The amendments are VC 17-06, a County standard bridge replacement, and DA 18-01, a City of Danville project consisting of the Voorhees Street Bridge over Stoney Creek.
- 2. Motion to approve of TIP Amendments VC 17-06 and DA 18-01 was made by Doug Staske and seconded by Mayor Mike Weese.
- 3. Voice vote: Yea 4 Nay 0 Absent 1 Abstain 0

VI. Old Business

- a. Agency Reports
 - i. Vermilion County
 - 1. Beginning the resurfacing of Perrysville Road from the City of Danville limits to the Illinois/Indiana border.
 - 2. Wind farm development in the northern half of Vermilion County has begun.
 - ii. IDOT
 - 1. IDOT has a new Acting Secretary, Erica Borggren.
 - iii. Westville
 - 1. Westville is keeping up with the wet summer and mowing the grass and will soon be making repairs of Tar and Chip on Virginia Street.

iv. City of Danville

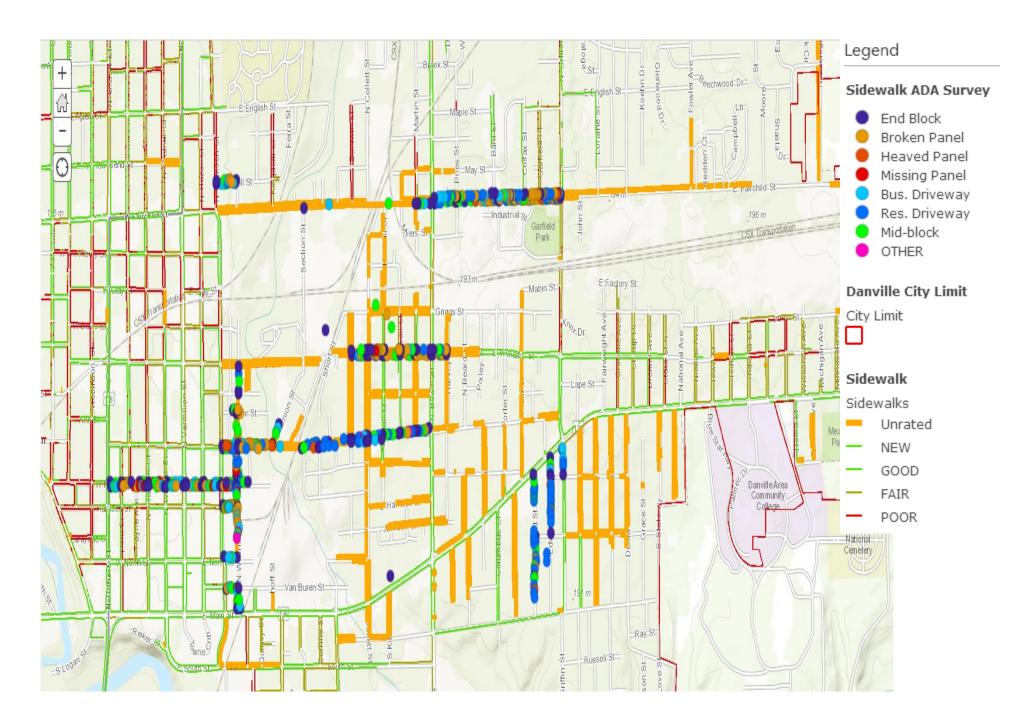
- 1. Construction work has begun on Main, Maple and Pries Street
- 2. Construction work on Bowman Avenue from Crestview to Winter Avenue has begun and will include resurfacing, a Shared Use Path and Bus turnouts.
- 3. Fairchild Overpass is near completion; Mayor Weese complimented the City on the overall project.

v. Danville Township

- 1. Discussion of reconfiguring parking on Walnut Street in front the Township office.
- 2. Announcement of a Wooden Bat Tournament located on South Street on August 1st, 2nd and 3rd.

VII. Adjournment

- a. Motion to adjourn made by Mike West and seconded by Mayor Mike Weese.
- b. Meeting adjourned by DATS Policy Committee Chairman Mayor Scott Eisenhauer, at 10:46 am.





LONG RANGE TRANSPORTATION PLAN

Transformation 2040

Prepared by the Danville Area Transportation Study

INTRODUCTION

August 2014

CHAPTER 1 The Process

Introduction

A critical element of our region's economic success is our ability to move people and goods in a safe, efficient, and effective manner. The result of increased vehicular use and truck freight has put an enormous strain on our existing road network. In response, the MPO's emphasis for our future roadway network is to focus on increasing efficiency; with direction on maintaining and improving our existing facilities.

Through the 2040 Long Range Transportation Plan (LRTP) process, we recognized that the past approach for determining transportation investments did not provide an adequate balance among modes. The 2040 LRTP sets the framework for a balanced and forward thinking system with a myriad of transportation alternatives, and stabilizes levels of investment among these modes.

This plan provides the outline for the area's transportation planning process over the next 30 years. The transportation planning process is a collaborative effort between muncipial, county, state and federal agencies and other transportation focused agencies, where the multimodal transportation system is evaluated and recommendations were produced with extensive public input.

What is a Long Range Transportation Plan?

The Long Range Transportation Plan (LRTP) is a community driven process that establishes a vision for mobility in the Danville Urbanized Area. The LRTP identifies goals, needs, investment priorities, and an implementation plan for the future transportation system. The LRTP must be developed, adopted, and updated by the Metropolitan Planning Organization (MPO) through a process which engages the communities and all participating agencies within the Metropolitan Planning Area (MPA).

The LRTP must be fiscally-constrained, given available or reasonably expected funding, and it must be consistent with the planning standards established in the Moving Ahead for Progress in the 21st Century Act (MAP-21). Inclusion of transportation improvement projects in the LRTP is a prerequisite for federal and state funding programs.

MAP-21 Perfromance Management Process



NATIONAL GOALS

SAFETY INFRASTRCTURE CONDITION
CONGESTION REDUCTION SYSTEM RELIABILITY
REDUCED PROJECT DELIVERY DELAYS ENVIRONMENTAL SUSTAINABILITY
FREIGHT MOVEMENT AND ECONOMIC VILALITY

Metropolitan Planning Organization

The MPO is a policy-making organization made up primarily of local elected officials from each of the region's ten member jurisdictions. DATS is responsible for conducting the planning process in a manner that is continuing, cooperative, and comprehensive. This federally-mandated process must engage users of the transportation system, the business community, community groups organizations, traveling public, fright environmental the operators, and the general public.

The development of an efficient and effective multimodal transportation network is essential for the region if it is to sustain a strong economy, clean environment, and high quality of life. Under federal requirements, the study area for the Danville Area MPO must encompass both the existing urbanized area and the contiguous area expected to become urbanized during the time period covered by the Long Range Transportation Plan (for this document the horizon year is 2040.)

The DATS MPA covers the areas of:

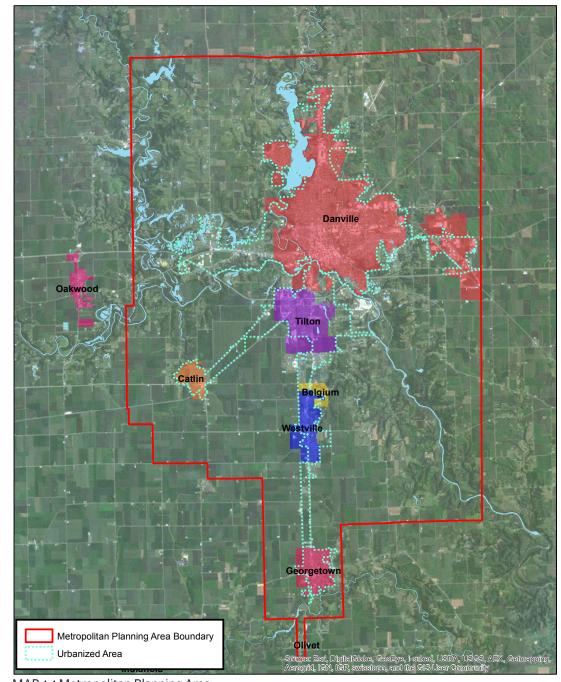
VERMILION COUNTY CITY OF DANVILLE CITY OF GEORGETOWN VILLAGE OF WESTVILLE VILLAGE OF TILTON VILLAGE OF BELGIUM VILLAGE OF CATLIN **NEWELL TOWNSHIP DANVILLE TOWNSHIP**

To ensure that the plan covers all urbanized areas and areas expected to become urbanized, the study area has been defined to include Vermilion County, City of Danville, City of Georgetown, Village of Westville, Village of Tilton, Village of Belgium, Village of Catlin, Newell Township and Danville Township. (See MAP 1.1)

Public Outreach

The success of the LRTP lies within a well-rounded public outreach effort that fosters community interaction. The primary mechanism for on-going public input to the Long Range Transportation Plan is through the MPO's Technical Advisory Committee; which is composed of regional business leaders, but was also guided by public sentiment about long term transportation investments Vermilion County. 2040 LRTP was based upon The continuous dialogue with stakeholders, government officials, economic development interests, the general public, and other community organizations.

A website tab on www.DATS-IL.com was developed for the 2040 LRTP update which included information about the timeline, meeting agendas, the scope of work, and other information about public engagement.



MAP 1.1 Metropolitan Planning Area

Vision Statement + Goals

The vision for transportation in the Danville Urbanized Area and Vermilion County is a safe, efficient and sustainable transportation system that enhances the economic vitality and quality of life of the community. The following goals guide the plan toward that vision:

TRANSPORTATION AS A CATALYST

Subject to change by growth and development, transportation and land use are directly linked and work together to determine the character of our overall region.

A CONNECTED COMMUNITY

Neighborhoods, employment centers, rural communities, and open space should be connected by a continuous network of public facilities.

A SAFE AND BALANCED TRANSPORTATION SYSTEM

Our transportation system needs to effectively move people and goods around the community, while minimizing impacts on established investments. While the transportation system must function well for motor vehicles, it should also promote public transportation, bicycling, and pedestrianism as viable alternative modes.

	G	overnance on Letters of Support	
МРО	Contact	Response	Policy
СМАР	Randy Blankenhorn	We never go through any committees or our board for letters of support. In general if the project is consistent with or supports our plan we will write a letter. If we have developed a policy that we are going to focus on one thing, i.e. we only supported CREATE in the first round of TIGER grants, then we won't take other proposals for that grant cycle. Otherwise I have the authority to make all of those calls.	General Operating Procedure
DSATS	Brian Dickson	DSATS has never had an official policy on Letters of Support. How I have handled it in the past is that if there is no completion for the grant from member organizations and if there is sufficient time I ask the Policy Committee to support the grant and the letter goes out as an official endorsement by DSATS. If the grant has a deadline which would not allow for Policy approval, the DSATS Director would write a letter, noting however, that it is an endorsement by the DSATS	General Operating Procedure
		Director. By ordinance I have authority to issue a letter of support from the	
SATS	Norm Sims	Planning Commission for grant applications of any kind Unless there is a particularly controversial issue involved, the	Ordinance
Gateway	Jerry Blair Denise Bulat	Executive Director exercises independent authority on letters of support. Staff develops letters that are aligned with existing adopted plans without further action.	General Operating Procedure General Operating Procedure
CCRPC	Cameron Moore	We operate similarly to what Randy describes. We typically do not go through committees or Board for letters of support. The key is understanding what is in concert with, or in conflict with, current plans and policies. If we receive a request for a letter of support that is in conflict with current plans and policies we decline, but regularly write letters of support for projects that we know are consistent with the direction established by the Committees or Board. It ultimately up to the CEO to make those decisions.	

At-Grade Railroad Crossing Study

Danville and Catlin

Vermillion County, Illinois

June 2014

Prepared for:

Danville Area Transportation Study Metropolitan Planning Organization 1155 E Voorhees, Suite A Danville, IL 61832

Prepared by:

Hanson Professional Services Inc. 1525 South Sixth Street Springfield, IL 62703



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Appendix B – Draft Voorhees / NS ICC GCPF Application for Raised Median

Appendix C – Draft Voorhees / NS ICC GCPF Application for Grade Separation

Appendix D – Draft Bowman / NS IDOT HSIP Application for Flexible Delineator Installation

Appendix E – Draft Bowman / NS ICC GCPF Application for Flexible Delineator Installation

Appendix F – Draft Bowman / NS ICC GCPF Application for Grade Separation

Appendix G – Draft Williams / NS IDOT HSIP Application for Flexible Delineator Installation and Circuitry Upgrade

Appendix H – Draft Williams / NS ICC GCPF Application for Flexible Delineator Installation and Circuitry Upgrade

Appendix I – Draft Griffin / CSX IDOT HSIP Application for Warning Gates Installation and Circuitry Upgrade

Appendix J – Draft Griffin / CSX ICC GCPF Application for Warning Gates Installation and Circuitry Upgrade

Appendix K – Voorhees / NS Crossing Photos

Appendix L – Bowman / NS Crossing Photos

Appendix M – Williams/NS Crossing Photos

Appendix N – Griffin / CSX Crossing Photos

1. Introduction

This study was prepared to evaluate eight mainline at-grade crossings along the Norfolk Southern Railway (NS) and CSX Railroad (CSX) through the City of Danville and Village of Catlin, located in Vermillion County, Illinois (see Figure 1.1). The purpose of the evaluation was to identify the highest priority safety improvements among the studied at-grade crossings for submission to the Illinois Department of Transportation (IDOT) Highway Safety Improvement Program (HSIP). The IDOT HSIP has a railway component that targets crossings to reduce the number of fatalities and serious injuries at public highway-railway crossings through the elimination of hazards and/or the installation/upgrade of protective devices at crossings.

Two levels of evaluation were completed in the study to narrow down the initial eight crossings to identify the top priority crossings. The top two recommended crossings from the study have had HSIP applications prepared for their submission to IDOT.

2. Initial Crossing Screening

The initial screening for the eight crossings included collecting the following data for evaluation:

- Existing and Proposed ADT
- Existing and Proposed Daily Train Traffic
- Warning Components at each site
- Vehicular Crashes
- Vehicle-Train Crashes

Calculations completed for each crossing include:

- Expected Crash Frequency
- Delay Time
- 20 Year Exposure Factor

Table 2.1 lists the sources for the data collected and the source of the calculation.

Data	Source							
Current ADT	Getting Around Illinois Database							
Projected 2035 ADT Values	Danville Area Transportation Study (High Projection Values - 1% annual growth)							
Projected 2024, 2034 ADT Values	Interpolated using the growth rate between current and 2035 ADTs (1% annual growth)							
Current Train Traffic	ICC Crossing Database. Daily Train traffic for Lyons was reported at 17, but adjacent crossings reported at 47 and to remain consistent through the entire corridor, 47 was used. Daily train traffic for Williams and Voorhees was reported at 22, but all surrounding crossings were reported at 48. To keep the value consistent throughout the corridor, 48 was used because it seemed more logical considering Catlin traffic and a higher frequency of 48 being reported.							
Projected Train Crossing	Assumed 1.2% Growth							
Warning Components at Crossings	Google Earth/ICC Database							
Expected Crash Frequency Procedure	IDOT BLRS Chapter 40 Equation 40-2.1							
Historic Crashes	IDOT Safety Mart/ICC Database							
Delay Time Procedure	ICC Working Paper 2002-03, Motorist Delay at Public Highway Rail Grade Crossings in Northeastern Illinois							
Grade Separation Study Suggested	A report part of the Chicago to St. Louis High-Speed Rail Tier 1 EIS that identified a standard 20-Year Exposure value that would suggest a grade separation study for the relative population.							

Table 2.1 Data Collection Sources

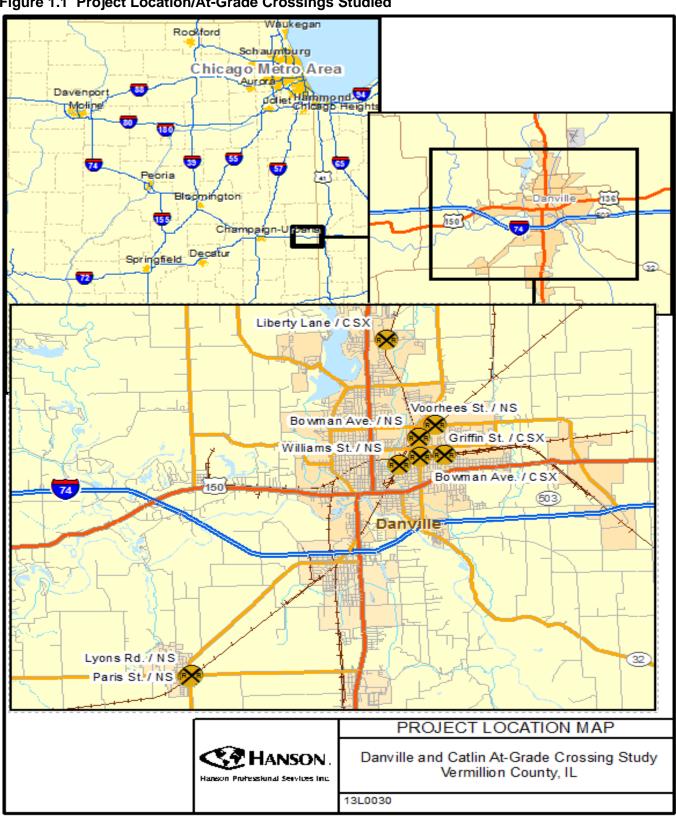


Figure 1.1 Project Location/At-Grade Crossings Studied

2.1 Expected Crash Frequency

The crash expectancy was calculated using equation 40-2.1 from the Illinois Department of Transportation (IDOT) Bureau of Local Roads and Streets (BLRS) Manual. The calculated expected crash frequency was compared to the standard of 0.02 crashes per year maximum to determine if current warning devices were sufficient. Table 2.2 shows the data and calculations for the expected crash frequency. Traffic factor and component factor come from table 40-2A in the BLRS Manual.

Expected Years Crash **Expected** 10 Year Traffic **Trains** Component Frequency Between **Rail Line** ADT **Factor** Per Day **Signal Component Factor** Per Year Crashes Road City NS Voorhees Street Danville 17680 0.023877 48 Gates, Urban 0.08 0.0917 10.9 0.012674 NS Bowman Avenue Danville 9668 48 Gates, Urban 0.08 0.0487 20.5 NS Williams Street Danville 6061 0.00772 48 Gates, Urban 0.08 0.0296 33.7 Lyons Road Catlin 1694 0.002627 47 Gates, Urban 0.0099 101.2 NS 0.08 NS Paris Street Catlin 2840 0.003981 47 Gates, Urban 0.08 0.0150 66.8 **CSX** Liberty Lane Danville 6790 0.010278 15 Gates, Urban 0.08 0.0123 81.1 Bowman Avenue Danville 0.012674 Gates, Urban **CSX** 10873 15 0.08 0.0152 65.8 CSX **Griffin Street** Danville 8063 0.010278 15 Flashing Lights, Urban 0.23 0.0355 28.2

Table 2.2 Calculated Expected Crash Frequency

2.2 Crash History

The crash history was analyzed from both the IDOT Safety Mart and the ICC railroad crossing database. The numbers are summarized in Table 2.3 below.

				IDC	T Safe	ty Ma	rt Data	(2007	-2011)		IC	C Collision	History	
Rail Line	Road	City	Total Collisions	к	А	В	С	PD	Calculated Crash Frequency Per Year Based on Data	Total Collisions (1955-2012)	Number of Fatalities	Number of Injuries	Most Recent Collision	Calculated Crash Frequency Per Year Based on Data
NS	Voorhees Street	Danville	9	0	0	2	1	1	2.250	10	1	5	3/15/2004	0.175
NS	Bowman Avenue	Danville	15	0	0	4	4	4	3.750	4	0	5	2/16/2011	0.070
NS	Williams Street	Danville	9	0	1	3	0	0	2.250	11	3	1	2/5/2003	0.193
NS	Lyons Road	Catlin	4	0	0	3	0	0	1.000	2	0	1	1/18/2010	0.035
NS	Paris Street	Catlin	5	0	0	1	1	1	1.250	7	0	5	10/7/1998	0.123
CSX	Liberty Lane	Danville	3	0	2	0	0	0	0.750	5	1	1	4/22/2013	0.088
CSX	Bowman Avenue	Danville	15	0	0	2	3	3	3.750	14	0	3	1/6/2002	0.246
CSX	Griffin Street	Danville	4	0	0	2	0	0	1.000	6	0	1	8/8/2002	0.105

Table 2.3 Historical Crash History

The IDOT Safety Mart Data was collected between 2007 and 2011, excluding crashes that only resulted in property damage because data was only available between 2009 and 2011. ICC Collision History includes all crashes recorded since 1955. The calculated crash frequency per year based on the data provided was included for both the IDOT and ICC Collision data. A comparison of the expected crash frequency per year and historical actual crashes per year shows higher actual rates. The IDOT

data is substantially higher because it includes vehicular crashes in the vicinity of the at-grade crossing not just vehicle train collisions as is reported in the ICC Collision data.

2.2.1 Total Delay Time

The total delay time was calculated using the procedure described in the ICC Working Paper 2002-03, Motorist Delay at Public Highway Rail Grade Crossings in Northeastern Illinois. Table 4 summarizes the calculated delay times.

Rail Line	Road	City	2014 Total Daily Delay (Hours)	2034 Total Daily Delay (Hours)
NS	Voorhees Street	Danville	33.94	54.23
NS	Bowman Avenue	Danville	17.19	31.62
NS	Williams Street	Danville	32.75	48.42
NS	Lyons Road	Catlin	2.52	5.75
NS	Paris Street	Catlin	4.42	9.63
CSX	Liberty Lane	Danville	11.18	12.64
CSX	Bowman Avenue	Danville	13.29	25.47
CSX	Griffin Street	Danville	29.20	46.67

Table 2.4 Calculated Delay Time

2.2.2 Exposure Factor

As part of the preparation of the Chicago to St. Louis High-Speed Rail Tier 1 EIS, an analysis was developed that identified exposure factors for at-grade crossings to warrant grade separation studies within three population categories: over 200,000, 5,000-200,000 and less than 5,000. These categories were based on existing local agency grade separations currently within the State of Illinois. The averages were determined in each category and the resulting value was used as a threshold to determine if a crossing warranted further grade separation studies. Exposure factors are defined as the product of the roadway ADT and the number of trains along the rail line at the crossing. The Exposure level thresholds for grade separation studies are Urban (over 200,000) =1,445,011, Urban (5,000-200,000) = 150,379 and Rural (less than 5,000) = 53,267. Danville is urban (5,000-200,000) and Catlin is rural (less than 5,000).

Table 2.5 Calculated Exposure Factors

							20 Year	Grade Separation
			Trains Per	Trains Per	Existing	Projected	Exposure	Study
Rail Line	Road	City	Day (2012)	Day (2034)	ADT	2034 ADT	Factor	Suggested
NS	Voorhees Street	Danville	48	62	15800	19417	1,211,711	Yes
NS	Bowman Avenue	Danville	48	62	8000	11320	706,412	Yes
NS	Williams Street	Danville	48	62	5600	6368	397,415	Yes
NS	Lyons Road	Catlin	47	61	1200	2102	128,439	Yes
NS	Paris Street	Catlin	47	61	2100	3523	215,282	Yes
CSX	Liberty Lane	Danville	15	20	7400	6435	125,481	No
CSX	Bowman Avenue	Danville	15	20	8800	12969	252,918	Yes
CSX	Griffin Street	Danville	15	20	7100	8730	170,252	Yes

2.2.3 Initial Crossing Screening Recommendation

Table 2.6 and Figure 2.1 show the summary results of all analysis completed for the initial screening. Based on the screening results, the following four rail crossings are suggested for additional analysis for safety improvements based on the following reasons:

- Voorhees Street at the NS has insufficient warning devices, the highest exposure factor, highest expected crash frequency and the highest delay.
- Bowman Avenue at the NS has insufficient warning devices, the second highest exposure factor, the second highest expected crash frequency and the highest number of crashes according to IDOT data.
- Williams Street at the NS has insufficient warning devices, the second highest delay and the highest number of fatalities according to ICC Collision Data.
- Griffin Street at the CSX has insufficient warning devices, the third highest delay and the third highest expected crash frequency.

Table 2.6 Initial Crossing Screening Summary

						Expected		
				2014 Total	2034 Total	Crash		Sufficient/Insufficient
			20-Year	Daily Delay	Daily Delay	Frequency Per	Years Expected	Warning Devices (ECF<0.02
Rail Line	Road	City	Exposure Factor	(Hours)	(Hours)	Year	Between Crashes	to be sufficient)
NS	Voorhees Street	Danville	1211711	33.94	54.23	0.092	10.9	Insufficient
NS	Bowman Avenue	Danville	706412	17.19	31.62	0.049	20.5	Insufficient
NS	Williams Street	Danville	397415	32.75	48.42	0.030	33.7	Insufficient
NS	Lyons Road	Catlin	128439	2.52	5.75	0.010	101.2	Sufficient
NS	Paris Street	Catlin	215282	4.42	9.63	0.015	66.8	Sufficient
CSX	Liberty Lane	Danville	125481	11.18	12.64	0.012	81.1	Sufficient
CSX	Bowman Avenue	Danville	252918	13.29	25.47	0.015	65.8	Sufficient
CSX	Griffin Street	Danville	170252	29.20	46.67	0.035	28.2	Insufficient

* Recommended for Further Study

I:\13jobs\13L0030\CAD\GIS\Projects\Danville_Crossing_Study.mxd Liberty Lane / CSX 2100 N 136 Lyons Rd. / NS W Vermillon St Chester Ave Paris St. / NS Danville E Winter Av W Conron Ave Swisher Ave **Catlin Crossing Inset** Wilkin Ave E Roselawn St. W Roselawn Dr Orchard St Voorhees St. / NS W Woodlawn Ave **LEGEND** Ν E Voorhees S * Bowman Ave. / NS Large - 2034 Vehicle Delay > 30 hrs/day Medium - 2034 Vehicle Delay 15-30 hrs/day Small - 2034 Vehicle Delay < 15 hrs/day Bowman Ave. / CSX **Crossing Safety Devices Insufficient** Williams St. / NS **Crossing Safety Devices Sufficient** * Griffin St. / CSX **Grade Separation Study Suggested** Danville/Catlin At-Grade Crossing Study Grade Separation Study Not Suggested CA HANSON. Initial At-Grade Crossing Analysis Summary

Job Number: 13L0030

Miles

0.5

Figure 2.1 Initial Crossing Screening Summary

Sheet 1 of 1

This initial crossing summary was submitted to the Danville Area Transportation Study for review and concurrence of the recommended crossings moving forward. After approval was received, additional crossing analysis was conducted on the four recommended crossings.

3. Additional Crossing Screening

Alternatives carried forward from the initial screening were reviewed for safety improvements that could be implemented to improve the expected crash frequency to the IDOT standard threshold of 0.02. They were also evaluated to determine the benefits and impacts of the improvements considered, the annual cost and benefit cost ratio of the improvements, the financial cost of delays and the benefits and impacts of grade separating the crossing. The annual cost and benefit/cost ratio of the improvements were determined using IDOT BLRS Manual Chapter 40-2.03. Delay calculations for benefit/cost were developed using the initial screening analysis delay hours calculated and the federal travel rate of \$20 per hour.

In reviewing the alternatives moving forward, it was noted that all alternatives, except for the Griffin Street / CSX crossing which has only flashing lights, already have the lights and gates configuration for crossing warning device. This is the highest type warning light configuration for the two lane urban streets in which these crossings are located. Also, none of the crossings being evaluated in the additional crossing screening are adjacent to signalized intersections which would provide an opportunity to interconnect and coordinate the traffic signal and train signaling systems.



The rail approach signaling system currently installed at the Voorhees/NS and Bowman/NS crossings is a constant warning time (CWT) system that provides uniform warning times between activation and train arrival, typically located where trains travel at different speeds or switching operations occur. This system is the highest level of activation that would be expected at this type of a crossing. As a result, other non-signalized improvements must be considered to improve the expected crash frequency of these crossings.

The Williams/NS and Griffin/CSX crossings currently have the direct current audio frequency overlay (DC-AFO) approach signaling system. This signaling system uses the track to detect the train with the signals being received at the control unit by either a circuit along the track or by radio frequency. The first improvement consideration at these crossing would be to upgrade the signaling system. Other non-signalized improvements will be reviewed at these crossings as well.

The following non-signaling improvements will be considered at each of the crossing locations:

• Flexible Delineator – This includes the installation of a flexible vertical delineator along the centerline of the roadway used to deter motorists from driving over the centerline and attempting to drive around traffic or gates to illegally cross the tracks when the signaling system has been activated. Based on IDOT BLRS figure 40-1C, a minimum distance of 150 feet will be required on either side of the tracks for the delineator installation. The expected crash reduction factor, or the estimated reduction in crashes at the location, for the flexible



delineator's is expected to be 0.75, which was estimated based on the Federal Railroad Administration (FRA) risk factors for mountable medians with channelization devices.

• Median – This includes the installation of a mountable or raised curb median to help define the traveled way and deter vehicles from attempting to cross over the centerline to drive around the gates. Signs or flexible delineators are often mounted in the median. Typically this installation requires widening to the outside of the roadway to accommodate the median installation. Like the flexible delineators, a 150 foot minimum length from track will be required for the median installation. For these two-lane urban roadways, a minimum median width of 4 feet was assumed. The expected crash reduction factor for the medians is 0.75 for mountable medians with reflective traffic control devices and 0.80 for raised curb medians.



• Grade Separation – This improvement would separate the rail and roadway traffic by way of a bridge structure, eliminating the possibility of train/vehicle collisions. This improvement is the most expensive improvement, but when vehicle delay on highly traveled roadways is considered, may provide a positive cost/benefit ratio. The expected crash reduction factor for grade separations is 1.00, meaning a 100% reduction in rail/train crashes. For this study, a road over rail grade separation was assumed with a touchdown distance of 750 feet each side of the existing tracks.



Four quadrant gates for non-signaling improvements were not considered for these locations as those installations have typically only been included along passenger rail corridors, specifically the High-Speed Rail corridors. The expected crash reduction factor of the four quadrant gate systems is 0.82, only slightly better than the flexible delineator and median measures being evaluated. Also the inclusion of the four quadrant gate systems typically include provisions for automatic vehicle detection for trapped vehicles and signaling systems for the trains along the corridor to detect vehicles within the crossings. The cost of these systems is also substantially higher (typically estimated at \$500,000 per location), so the expected cost/benefit at these locations would not be high.

In addition to the benefits and impacts of the safety improvements, a cost benefit and impact analysis was completed for the crossings for the expected delay. As determined in the initial screening analysis, all crossing carried forward had daily vehicle delays of over 30 hours, with some delays approaching 60 hours. While none of the safety improvements will be able to improve delays, except for the CWT upgrade which does provide a delay reduction, the grade separation alternative would eliminate the delays. However the significant costs of installation will be weighed against the delay and safety improvement benefits.

3.1 Voorhees Street / NS

The installation of flexible delineators and mountable medians would not decrease the expected crash frequency to below the 0.20 IDOT threshold, requiring a raised median as a minimum improvement at this location. Table 3.1 summarizes the results for the proposed improvement analysis.

Table 3.1 Voorhees/NS Safety Improvement Analysis Summary

Intersection	Existing Expected Crash Frequency	Proposed Installation	Component Crash Reduction	Proposed Expected Crash Frequency	ECF Savings	ECF Annual Safety Benefit	Initial Cost	Annual Cost	Safey Benefit-Cost Ratio
Voorhees/NS	0.092	Flexible Delineators	0.75	0.023	0.069	\$26,073	\$16,000	\$ 1,280.00	20.4
Voorhees/NS	0.092	Mountable Median	0.75	0.023	0.069	\$26,073	\$30,000	\$ 2,400.00	10.9
Voorhees/NS	0.092	Raised Median	0.80	0.018	0.074	\$27,811	\$58,000	\$ 4,640.00	6.0
Voorhees/NS	0.092	Grade Separation	1.00	0.000	0.092	\$34,764	\$7,000,000	\$300,000.00	0.1

Construction of a raised median would require access changes to the City of Danville Public Works facility as well as a parking lot to the Security Ventures, Inc. building southeast of the crossing (see Figure 3.1). It appears the installation of the raised median and required roadway widening could be completed within existing right-of-way, the existing sidewalk on the north side of the street would not be impacted and no other adjacent cross streets would be affected by the raised median installation. The benefit cost ratio for the installation of the raised median is 6.0, which is much higher than the base benefit cost ratio for improvement of one, which indicates that the public benefit is greater than the public cost.

The calculation for benefit/cost of delay with respect to a grade separation is shown in Table 3.2.

Table 3.2 Voorhees/NS Delay Benefit/Cost Summary

2034 Total Daily Delay	2034 Total Delay	Annual Delay	ECF Annual	Total Benefit		Delay and
Experienced by All	Experienced by All Motorists		Safety	for Grade	Annual Cost	Safety Benefit-
Motorists Collectively	Collectively (Hours/Year)	Benefit	Benefit	Separation		Cost Ratio
54.23	19794	\$395,879	\$34,764	\$430,643	\$300,000	1.4

The construction of a grade separation at this location would impact several properties, require total acquisitions due to loss of public highway access or significant changes in the existing access currently provided for from Voorhees Street (see Figure 3.2). A combination of MSE walls and frontage roads could mitigate the need to acquire full properties, which could be explored during more detailed study. The high volume of traffic along Voorhees does cause significant delays and the benefit of the grade separation would result in a combined delay and safety benefit cost ratio of 1.4, indicating that a grade separation should be a consideration at this location.

Figure 3.1 Voorhees/NS Raised Median

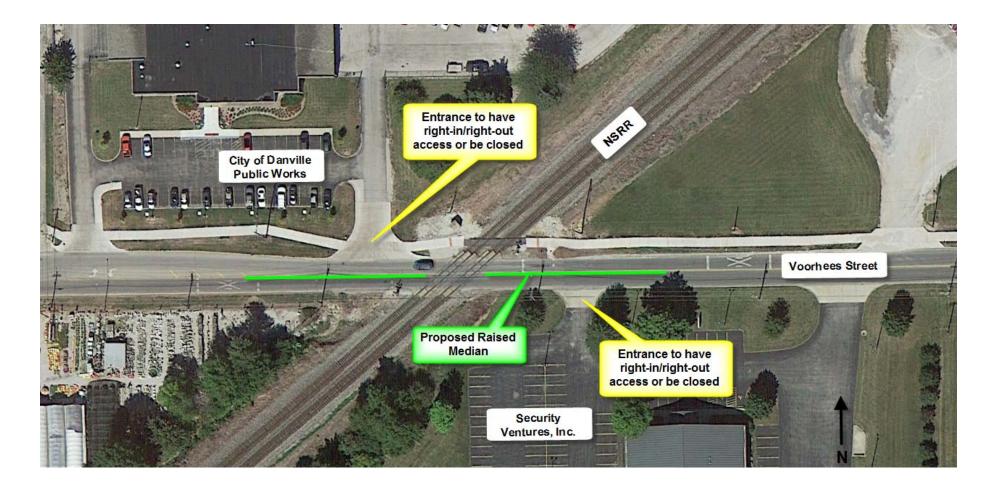
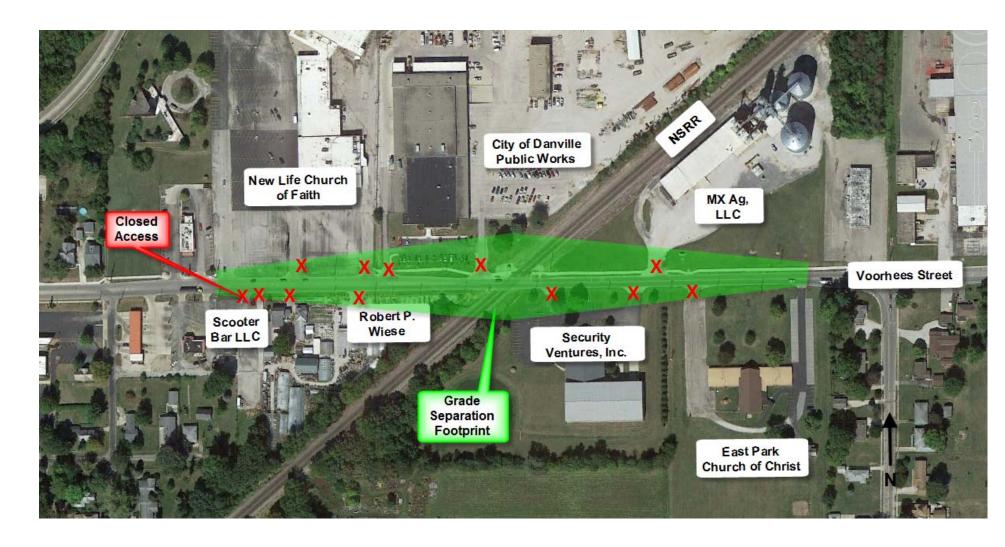


Figure 3.2 Voorhees/NS Grade Separation



3.2 Bowman Avenue / NS

The installation of flexible delineators would decrease the expected crash frequency to below the 0.20 IDOT threshold. Table 3.3 summarizes the results for the proposed improvement analysis.

Table 3.3 Bowman/NS Safety Improvement Analysis Summary

Intersection	Existing Expected Crash Frequency	Proposed Installation	Component Crash Reduction Factor	Proposed Expected Crash Frequency	ECF Savings	ECF Annual Safety Benefit	Initial Cost	Annual Cost	Safey Benefit- Cost Ratio
Bowman/NS	0.049	Flexible Delineators	0.75	0.012	0.037	\$13,887	\$16,000	\$ 1,280.00	10.8
Bowman/NS	0.049	Mountable Median	0.75	0.012	0.037	\$13,887	\$30,000	\$ 2,400.00	5.8
Bowman/NS	0.049	Raised Median	0.80	0.010	0.039	\$14,812	\$58,000	\$ 4,640.00	3.2
Bowman/NS	0.049	Grade Separation	1.00	0.000	0.049	\$18,516	\$6,000,000	\$ 260,000.00	0.07

Construction of flexible delineators at this location would affect the intersecting roadways of English Street and Maples Street, along with two residential and one commercial entrance access (see Figure 3.3). A determination would need to be made whether or not to modify access to right-in/right-out, provide access from another public street, or purchase the property. The benefit cost ratio for the installation of the flexible delineators is 10.8, indicating an extremely high public benefit.

The calculation for benefit/cost of delay with respect to a grade separation is shown in Table 3.4.

Table 3.4 Bowman/NS Delay Benefit/Cost Summary

	2034 Total Daily Delay Experienced by All Motorists Collectively (Hours)	2034 Total Delay Experienced by All Motorists Collectively (Hours/Year)	Annual Delay Benefit	ECF Annual Safety Benefit	Total Benefit for Grade Separation		Delay and Safety Benefit- Cost Ratio
L	31.62	11541	\$230,826	\$18,516	\$249,342	\$260,000	1.0

The construction of a grade separation at this location would impact several residential properties, require total acquisitions due to loss of public highway access or significant changes in the existing access currently provided for from Bowman Avenue (see Figure 3.4). A combination of MSE walls and frontage roads could mitigate the need to acquire full properties, which could be explored during more detailed study. The benefit cost ratio of the proposed grade separation based on the reduction of delay and safety improvements is 1.0, indicating the benefit would equal the expected public cost.

Figure 3.3 Bowman/NS Flexible Delineators

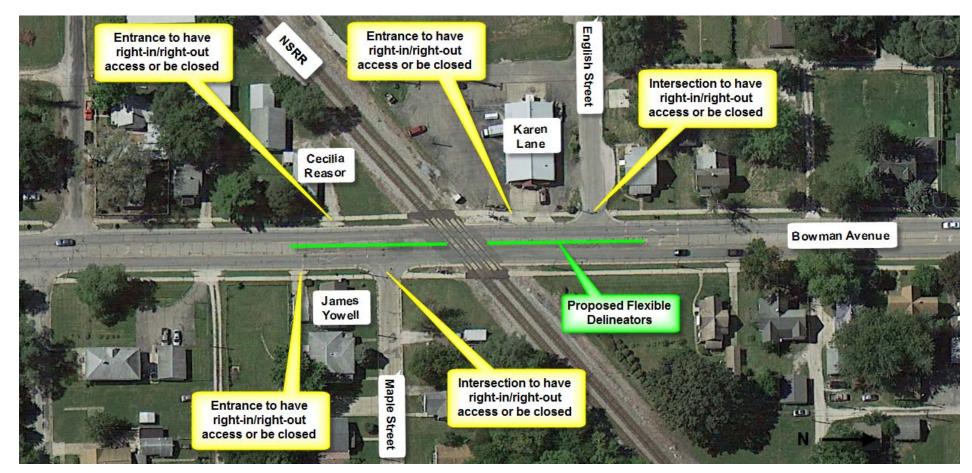
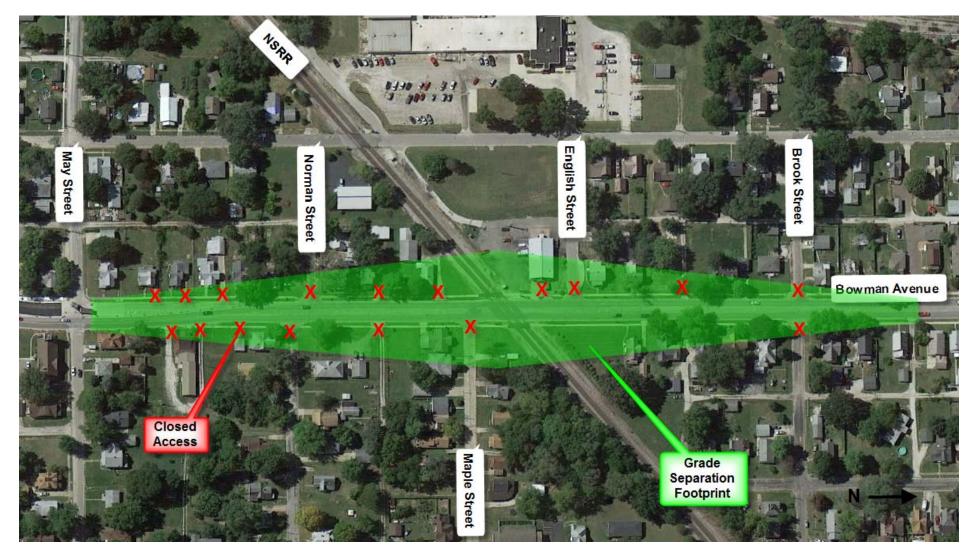


Figure 3.4 Bowman/NS Grade Separation



3.3 Williams Street / NS

The installation of flexible delineators would decrease the expected crash frequency to below the 0.20 IDOT threshold. Table 3.5 summarizes the results for the proposed improvement analysis.

Table 3.5 Williams/NS Safety Improvement Analysis Summary

Intersection	Existing Expected Crash Frequency	Proposed Installation	Component Crash Reduction Factor	Proposed Expected Crash Frequency	ECF Savings	ECF Annual Safety Benefit	Initial Cost	Annual Cost	Safey Benefit- Cost Ratio
Williams/NS	0.030	CWT Upgrade	0.26	0.022	0.008	\$2,947	\$100,000	\$ 8,000.00	0.4
Williams/NS	0.030	Flexible Delineators	0.75	0.008	0.023	\$8,502	\$16,000	\$ 1,280.00	6.6
Williams/NS	0.030	Mountable Median	0.75	0.008	0.023	\$8,502	\$30,000	\$ 2,400.00	3.5
Williams/NS	0.030	Raised Median	0.80	0.006	0.024	\$9,069	\$58,000	\$ 4,640.00	2.0
Williams/NS	0.030	Grade Separation	1.00	0.000	0.030	\$11,336	\$7,000,000	\$300,000.00	0.04

Construction of flexible delineators at this location would affect the intersecting roadways of Junction Street and Short Street, along with three commercial entrances (see Figure 3.5). A determination would need to be made whether or not to modify access to right-in/right-out, provide access from another public street, or purchase the property. The benefit cost ratio for the installation of the flexible delineators is 6.6.

The calculation for benefit/cost of delay with respect to a grade separation is shown in Table 3.6.

Table 3.6 Williams/NS Delay Benefit/Cost Summary

Proposed Installation	2034 Total Daily Delay Experienced by All Motorists Collectively (Hours)	2034 Total Delay Experienced by All Motorists Collectively (Hours/Year)	Annual Delay Benefit	ECF Annual Safety Benefit	Total Benefit for Grade Separation		Delay and Safety Benefit- Cost Ratio
CWT Upgrade	48.42	17673	\$107,413	\$2,947	\$110,360	\$8,000	13.8
Grade Separation	48.42	17673	\$353,466	\$11,336	\$364,802	\$300,000	1.2

The construction of a grade separation at this location would impact several commercial and residential properties, impact access to Section Street, Junction Street, Short Street and Anderson Street or require total acquisitions due to loss of public highway access or significant changes in the existing access currently provided for from Williams Street (see Figure 3.6). A combination of MSE walls and frontage roads could mitigate the need to acquire full properties, which could be explored during more detailed study. The benefit cost ratio of the proposed grade separation based on the reduction of delay and safety improvements would be 1.2. Upgrading the circuitry to CWT would provide a 30% delay reduction and the benefit cost ratio of this improvement is 13.8. This 30% reduction is based on the USDOT report on *Benefit-Cost Evaluation of a Highway-Railroad Intermodal Control System (ICS)*.

Figure 3.5 Williams/NS Flexible Delineators

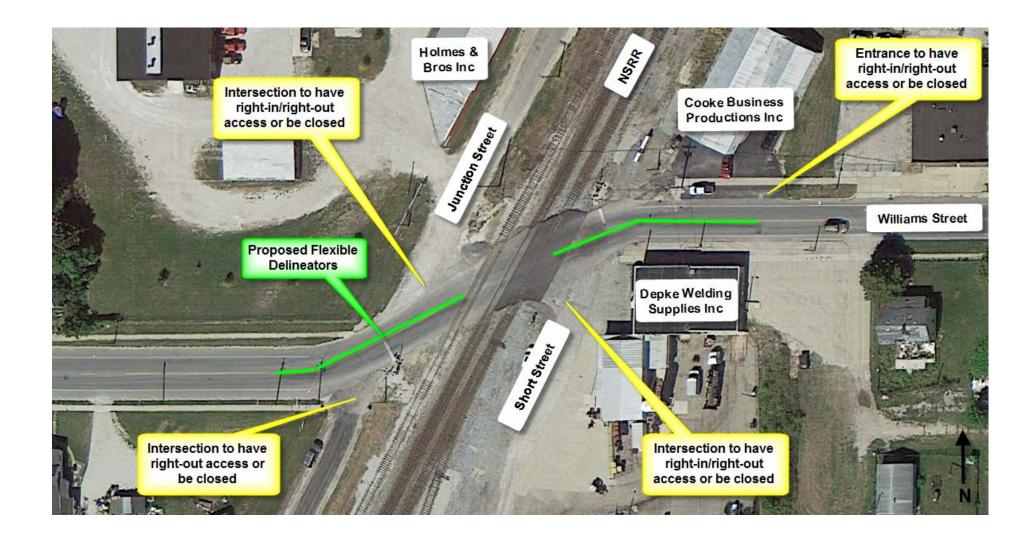
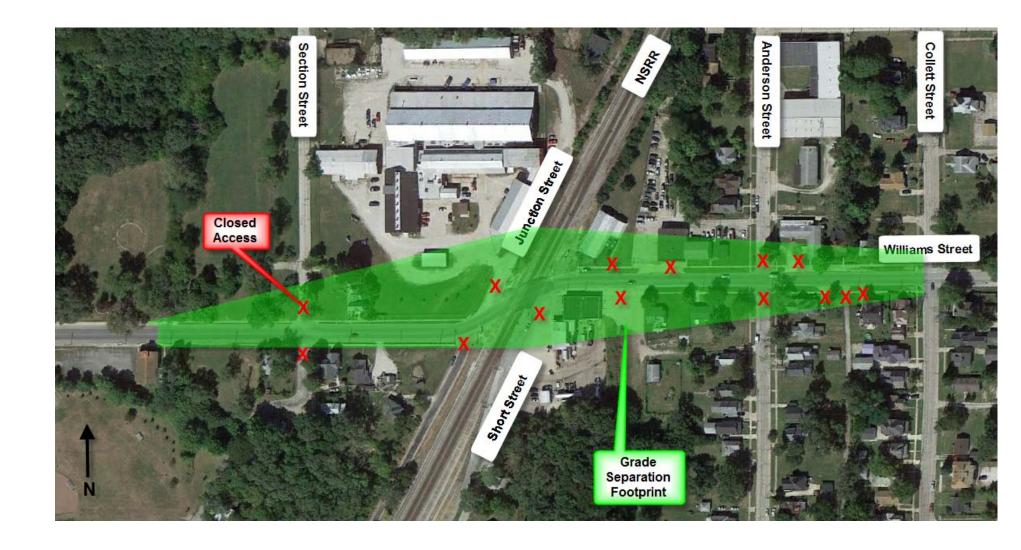


Figure 3.6 Williams/NS Grade Separation



3.4 Griffin Street / CSX

The installation of urban gates would decrease the expected crash frequency to below the 0.20 IDOT threshold. Table 3.7 summarizes the results for the proposed improvement analysis.

Table 3.7 Griffin/CSX Safety Improvement Analysis Summary

Intersection	Existing Expected Crash Frequency	Proposed Installation	Component Crash Reduction Factor	Proposed Expected Crash Frequency	ECF Savings	ECF Annual Safety Benefit	Initial Cost	Annual Cost	Safey Benefit- Cost Ratio
Griffin/CSX	0.035	CWT Upgrade	0.26	0.026	0.009	\$3,439	\$100,000	\$ 8,000.00	0.4
Griffin/CSX	0.035	Gates, Urban	0.57	0.012	0.023	\$8,691	\$250,000	\$ 20,000.00	0.4
Griffin/CSX	0.035	Gates, Urban with Flexible Delineators	0.89	0.004	0.031	\$11,804	\$266,000	\$ 21,280.00	0.6
Griffin/CSX	0.035	Gates, Urban Mountable Median	0.89	0.004	0.031	\$11,804	\$280,000	\$ 22,400.00	0.5
		Gates, Urban Raised							
Griffin/CSX	0.035	Median	0.91	0.003	0.032	\$12,088	\$308,000	\$ 24,640.00	0.5
Griffin/CSX	0.035	Grade Separation	1.00	0.000	0.035	\$13,225	\$7,000,000	\$300,000.00	0.04

Construction of urban gates at this location would have minimal affect to adjacent properties (see Figure 3.5). The benefit cost ratio for the installation of the urban gates is only 0.4.

The calculation for benefit/cost of delay with respect to a grade separation is shown in Table 3.8.

Table 3.8 Griffin/CSX Delay Benefit/Cost Summary

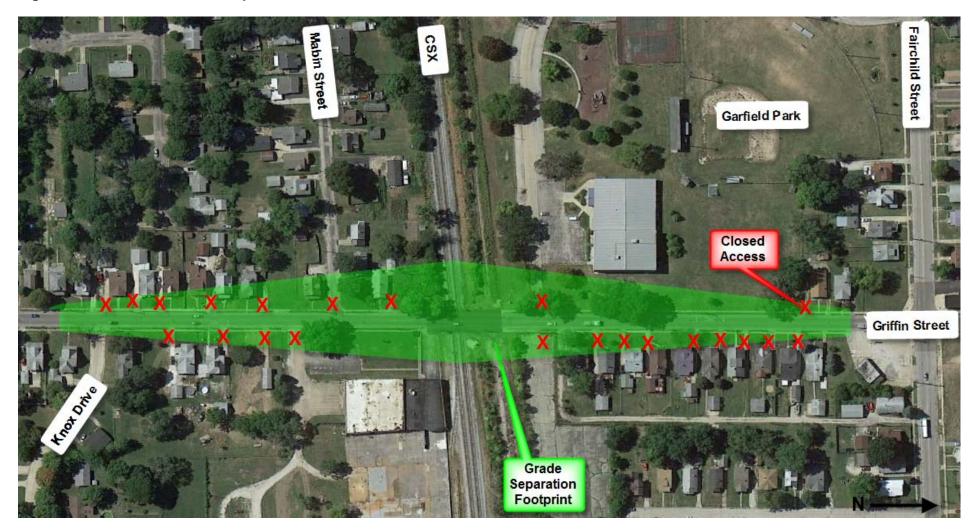
Proposed Installation	2034 Total Daily Delay Experienced by All Motorists Collectively (Hours)	2034 Total Delay Experienced by All Motorists Collectively (Hours/Year)	Annual Delay Benefit	ECF Annual Safety Benefit	Total Benefit for Grade Separation		Delay and Safety Benefit- Cost Ratio
CWT Upgrade	46.67	17035	\$103,531	\$3,439	\$106,969	\$8,000	13.4
Grade Separation	46.67	17035	\$340,691	\$13,225	\$353,916	\$300,000	1.2

The construction of a grade separation at this location would impact several residential properties, Garfield Park, require total acquisitions due to loss of public highway access or significant changes in the existing access currently provided for from Griffin Street (see Figure 3.8). A combination of MSE walls and frontage roads could mitigate the need to acquire full properties, which could be explored during more detailed study. The benefit cost ratio of the proposed grade separation based on the reduction of delay and safety improvements would be 1.2. Upgrading the circuitry to CWT would provide a 30% delay reduction and the benefit cost ratio of this improvement is 13.4.

Figure 3.7 Griffin/CSX Urban Gates



Figure 3.8 Griffin/CSX Grade Separation



4. Recommendations

This study recommends safety or delay improvements based on the data presented in this document. It should be used as a guide for future improvements, based on additional site specific studies, where required, confirming the assumptions made in this report.

Safety improvements recommended will require the confirmation of improvements based on the analysis of a diagnostic team evaluation of the crossing in the field. While this report recommends the minimum required safety improvement to meet the IDOT guidelines, a diagnostic team evaluation may recommend a lower level improvement if deemed justified by field conditions.

Recommended delay improvements, if provided, will need to be confirmed with a site specific engineering analysis and environmental review.

The preparation of an IDOT Project Development Report (PDR) will most likely be required for the recommended improvements due to the access changes required. These PDR's will most likely be processed as a Categorical Exclusion II (CEII) document.

See Figures 4.1 and 4.2 for a summary of the proposed recommendations.

4.1 Voorhees Street / NS

Safety Improvement – It is recommended that a raised median be installed along Voorhees Street to meet the IDOT recommended expected crash frequency at this location. The benefit cost ratio of 6.0 shows a significant public safety benefit for this improvement. This improvement may need to be balanced with the suggested delay improvement, possibly including the installation of flexible delineators as a short term, low cost acceptable solution for increased safety. Either the median or flexible delineator installation will need to address the loss of two-way access to the City of Danville Public Works facility and the commercial business southeast of the crossing. For this study, it was assumed that right-in/right-out access would be maintained, which would not require a payment of damages to the property owner.

Delay Improvement – It is recommended that an IDOT Project Development Report (PDR) be completed for a proposed grade separation at this location. The delay and safety benefit cost ratio of 1.4 shows a benefit to the public if this improvement were completed. Based on the 2010 Danville Area Transportation Study (DATS) Long Range Transportation Plan (LRTP), Voorhees Street is expected to be over capacity by 2035. The existence of an at-grade crossing along this route will only exacerbate the delay along the corridor, further supporting the need for a grade separation at this location. A four lane section may be justified based on the future roadway capacity needs.

4.2 Bowman Avenue / NS

Safety Improvement – It is recommended that flexible delineators be installed along Bowman Avenue to meet the IDOT recommended expected crash frequency at this location. The benefit cost ratio of 10.8 is extremely high, based on the relatively low cost of the delineators and the high safety return due to the restriction of drivers from driving over the centerline in the vicinity of the rail crossing. However, there may be costs for adjacent commercial businesses due to the change in access along Bowman Avenue which have not been accounted for in this analysis. Changes in access to the adjacent road

intersections of English and Maple Streets may also be undesirable to adjacent landowners. However, even with the mitigation of these impacts, the benefit could still be higher than the costs.

Delay Improvement – It is recommended that an IDOT Project Development Report (PDR) be completed for a proposed grade separation at this location. The delay and safety benefit cost ratio of 1.0 shows the cost and benefit to the public is equal if this improvement were completed. However, based on the 2010 Danville Area Transportation Study (DATS) Long Range Transportation Plan (LRTP), Bowman Avenue is expected to be over capacity by 2035 in the vicinity of this crossing. The existence of an at-grade crossing along this route will only exacerbate the delay along the corridor, further supporting the need for a grade separation at this location.

4.3 Williams Street / NS

Safety Improvement – It is recommended that flexible delineators be installed along Williams Street to meet the IDOT recommended expected crash frequency at this location. Also, as a baseline improvement to this location, the train signaling equipment should be upgraded to CWT as well. The benefit cost ratio of 6.6 shows this safety improvement would be beneficial. The challenge of this improvement would also be maintaining access along the major highway, and in this case, the horizontal curve located within the crossing itself. With two adjacent side streets parallel to the tracks and businesses in close proximity, the challenge of access would remain. Also, should the side streets not be restricted to right-in/right-out access or closed, it would be recommended to include side street gates in addition the side street lights currently installed to help prevent vehicles from crossing the tracks when the Williams Street gates are closed.

Delay Improvement – It is not recommended that a grade separation be constructed at this location at this time. Even though the expected benefit cost ratio is over one, it is recommended to focus efforts towards the Voorhees Street grade separation in order to have the most significant benefit among the crossings studied. Also, upgrading the circuitry at this location to CWT would decrease the delay by up to 30% for substantially less than the expected cost of the grade separation.

4.4 Griffin Street / CSX

Safety Improvement – It is recommended that this crossing should have warning gates installed and the train signaling system upgraded to CWT to meet the IDOT recommended expected crash frequency criteria. The benefit cost ratio of 0.4 shows that the impact of this safety improvement does not match the significance of other crossing improvements, however the implementation of the CWT and gates for both safety and delay has a very high benefit/cost ratio of 13.4, showing the public benefit that would still be gained by implementing these upgrades.

Delay Improvement – It is not recommended that a grade separation be constructed at this location at this time. Even though the expected benefit cost ratio is over one, it is recommended to focus efforts towards the Voorhees Street grade separation in order to have the most significant benefit among the crossings studied. Also, upgrading the circuitry at this location to CWT would decrease the delay by up to 30% for substantially less than the expected cost of the grade separation.

1:13/bbs/13L0030 (Admin/14-Reports/150627-Fihal Report/Figures/4.1-Danville Crossing Study Safety Recommendation.mxd LEGEND Voorhees St. / NS Large -Benefit Cost Ratio > 10 Proposed Raised Median Medium - Benefit Cost Ratio 1-10 Small - Beneift Cost Ratio < 1 E Voorhees Proposed Crossing Safety Devices Insufficient Meadow St **Proposed Crossing Safety Devices Sufficient** Bowman Ave. / NStaple St. E English St **Proposed Flexible Delineators** n St Penn St Norte Southern (NS) Sidell St E Fairchild St E Fairchild St Industrial St CSX Transportation (CSX) Griffin St. / CSX Mabin S **Proposed Warning Gates** and CWT Upgrade rings St Griggs St Griggs (avis Sto E Williams St @ Williams St. / NS **Proposed Flexible Delineators** and CWT Upgrade Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, PC, TomTo Danville/Catlin At-Grade Crossing Study **₹HANSON**. Ν Recommended Safety Improvements Miles 0.125 0.25 0.5 Job Number: 13L0030 Sheet 1 of 1

Figure 4.1 Additional Crossing Study Safety Improvement Recommendations

th 13 obs/13.0030/Admin 14-Reports/150527-Final_Report Figures/A2-Danville_Crossing_Study_Delay_Recommendation.mxd **LEGEND** Large -Benefit Cost Ratio > 10 Voorhees St. / NS Medium - Benefit Cost Ratio 1-10 Proposed Grade Separation Small - Beneift Cost Ratio < 1 E Voorhees **Grade Separation Recommended** Meadow St Grade Separation Not Recommended Brook St No Delay Reduction Bowman Ave. / N Staple St. 30% Delay Reduction Proposed Grade Separation 100% Delay Reduction Sidell St E Fairchild St E Fairchild St CSX Transportation (CSX) Griffin St. / CSX Proposed CWT Upgrade Griggs d E Williams St E Williams Williams St. / NS Proposed CWT Upgrade Danville/Catlin At-Grade Crossing Study HANSON. Ν Recommended Delay Improvements Miles 0.125 0.25 0.5 Job Number: 13L0030 Sheet 1 of 1

Figure 4.2 Additional Crossing Study Delay Improvement Recommendations





HSIP Candidate Form

						<u>'</u>					FY		
ID: Contract: Award Date:								С	ompletio	n Date:			
District: 5 County: Vermillion								City: Danville					
Key route: Marked route:													
Road N	Road Name: E. Voorhees Street Intersecting Roadway: Norfolk Southern RR N/A												
Length	: 0				⊠ N/A			Mile st	ation:	to			
Location	on Descr	ription: Vo	orhess S	Street and NS	SRR At-Grade	e Rail Cros	sing						
Rur	al	⊠ Urban		Lanes: 2									
AADT(Segmen	t):		Total Ente	ring AADT (I	ntersectio	n): 15800		;	Speed Li	mit: 35 mph		
Friction	n Test R	esults:		⊠ 1	N/A			Lightin	g Present	: 🗆 Y 🛭	 N		
CHEDI	Emphasi	s Aroa(s):	Lighway	-Railroad Gr	ada Crassina	☐ Distri	ct Documen	tation	☐ System	atic Impr	ovements [] N/A	
		Urban Two-			ade Crossing		Ct Documen	tation	☐ System	auc impri	□ N/A] 14/74	
Other:	Toup. 1-	Ciban i wo-	way Suc								LIN/A		
	Total		1	 			rashes Det				1	Darkness	
Year	Crashe s	Fatal Crashes	Fatalities	A-Injury Crashes	A-Injuries	B-Injury Crashes	B-Injuries	C-Injury Crashes	C-Injuries	PDO	Wet-Weather Crashes	(Not lighted) Crashes	
2007	0												
2008	1							1					
2009	3					1				2		2	
2010	1					1					1	1	
2011	4									3	4	1	
Total	9					2		1		5	6	4	
Location	on Descr	iption: At	grade cro	ssing of the N	I/S and Voorhe	ees Street							
							er 40-2 criteri	ia indicating	the need for	a higher	type crossing sa	fety device	
				None known							-71	,	
Collisio	on Diagr	am: □ Y	⊠N					Images	s: 🛛 Y 🗀	N			
Predon	ninant C	rash Type:	s: Rear E	End									
Propos	ed Impr	ovement(s): Raised	Median									
Estima	ted Proj	ect Cost (\$	000's):	\$58				Benefi	t-Cost Rat	io: 6.0			
Local F	Projects:												
Annua	Fatal C	rash Rate	(Fatal Cr	ashes/100 l	Miles):		Annual A-Ir	njury Crash	n Rate (A-I	njury Cra	ashes/100 Mile	es):	
		ural Functi	ional Cla	ss: Minor	Arterial, Urban	l							
Approv	/ed:						ı	Centra	I HSIP App	oroval Da	ate:		
Signed								Funding:	☐ HSI	P 🗌 HR	RR 🛮 RAIL		
State S	afety En	gineer											
Comm	ent:												
Distribution: ☐ OPP ☐ District ☐ BSF ☐ LRS ☐ BDF													

Printed 7/24/2014 BSE HS1



I. General Information
Applicant Type:
Resubmission:
Applicant Name: City of Danville Population: 32,523
Chief Elected Official: Scott Eisenhauer Title: Mayor
Business Address: 17 W. Main Street
City: Danville State: IL Zip: 61832
Business Phone: (217) 431-2400 Business Fax:
Email Address (if applicable): mayor@cityofdanville.org
State Legislative District: 52 (Senator Michael Frerichs)
II. Project Administrator
Contact Person: David Schnelle Title: Director Engineering and Urban
Company: City of Danville
Address: 1155 E. Voorhees Street, Suite A
City: Danville State: L Zip: 61832
Business Phone: (217) 431-2384 Business Fax:
Email Address (if applicable): dschnelle@cityofdanville.org
III. General Project Information (Note: Attach separate sheet listing all crossings if applying for more than one crossing improvement) County: Vermillion
Average Daily Traffic (ADT): 15,800 Daily Train Traffic: 22
(Number of Cars per Day over the Crossing) (Number of Trains per Day)
Number of School Buses over Crossing per Day:
Do vehicles carrying hazardous materials use crossing?
If yes, list the type and approximate number of hazardous material vehicles using the crossing per day:
Number of tracks through crossing: 2
Distance to, and street name of, the two nearest existing grade separations from location being applied for:
Crossing is currently: ☐ Grade Seperation ☒ An At-Grade Crossing ☐ No Crossing If crossing is currently a grade crossing, identify the existing warning device type: ☐ None ☐ Center Median or Median Barriers ☒ Automatic Flashing Light Signals and Gates ☐ Automatic Flashing Light Signals ☐ STOP Signs Only ☐ Crossbucks Only
Other (please specify)
Are railroad signals interconnected with traffic signals at this location: Yes No N/A
Vertical Clearance

V. Project Summary. Application to (check all that apply):
☐ Reconstruct Existing Grade Separation ☐ Construct New Grade Separation
☐ Close Adjacent Crossing ☐ Increase Vertical Clearance at Highway Underpass
Other (please specify) Construction of raised medians
Is application for: Design Only Construction only Design and Construction
Is application part of a larger "corridor" project:
Use the space below to provide a narrative of the proposed project. Items to include in this section are extenuating circumstances unique to this crossing, such as heavier seasonal traffic, visibility restrictions caused by trees, buildings, etc., proximity of schools and public buildings, etc., which explain why this crossing should be funded. Explain any work to by done by the local agency, such as roadway improvements in the immediate vicinity of the grade separation project. Approximate costs must be listed for each item of work to be done.
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VII. Financial Need This narrative must justify the local government's need for assistance from the GCPF. One copy of the applicant's most recent financial audit must be included with your application (local government agencies only).

8				

VIII. Project Schedule

Provide information on when this project is anticipated to commence, or when improvements must be implemented. Provide an approximate timeline listing key milestones concerning the design and/or construction phases of the project.

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Print Form



I. General Information
Applicant Type:
Resubmission:
Applicant Name: City of Danville Population: 32,523
Chief Elected Official: Scott Eisenhauer Title: Mayor
Business Address: 17 W. Main Street
City: Danville State: IL Zip: 61832
Business Phone: (217) 431-2400 Business Fax:
Email Address (if applicable): mayor@cityofdanville.org
State Legislative District: 52 (Senator Michael Frerichs)
II. Project Administrator
Contact Person: David Schnelle Title: Director Engineering and Urban
Company: City of Danville
Address: 1155 E. Voorhees Street, Suite A
City: Danville State: LL Zip: 61832
Business Phone: (217) 431-2384 Business Fax:
Email Address (if applicable): dschnelle@cityofdanville.org
III. General Project Information
(Note: Attach separate sheet listing all crossings if applying for more than one crossing improvement) County: Vermillion
Street/Roadway Name: Voorhees Street
Railroad: Norfolk Southern Crossing Number: 479854T Railroad Milepost 299.87
Average Daily Traffic (ADT): 15,800 Daily Train Traffic: 22 (Number of Cars per Day over the Crossing)
Number of School Buses over Crossing per Day:
Do vehicles carrying hazardous materials use crossing?
If yes, list the type and approximate number of hazardous material vehicles using the crossing per day:
North of the Letter of the second of the sec
Number of tracks through crossing: 2 Distance to and street name of the two posterior existing grade contaction from leasting being and in the first posterior.
Distance to, and street name of, the two nearest existing grade separations from location being applied for:
Crossing is currently: ☐ Grade Seperation ☒ An At-Grade Crossing ☐ No Crossing
If crossing is currently a grade crossing, identify the existing warning device type:
☐ None ☐ Center Median or Median Barriers ☐ Automatic Flashing Light Signals and Gates
☐ Automatic Flashing Light Signals ☐ STOP Signs Only ☐ Crossbucks Only
Other (please specify)
Are railroad signals interconnected with traffic signals at this location:
If nearest roadway crossing is currently a grade seperation, provide the following information:
☐ Highway Over Railroad ☐ Highway Under Railroad
Number of Traffic Lanes Width of Pavement
Vertical Clearance

VII. Financial Need This narrative must justify the local government's need for assistance from the GCPF. One copy of the applicant's most recent financial audit must be included with your application (local government agencies only).

st be impleme	n on when this p nted. Provide an truction phases of th	oroject is anticipated approximate timelinhe project.	d to commen ne listing key	ce, or when milestones c	improvements oncerning the

Print Form





HSIP Candidate Form

											FY		
ID: Contract: Award Date:									Completion Date:				
District: 5 County: Vermillion							City: Danville						
Key route: Marked route:													
Road Name: N. Bowman Avenue Intersecting Roadway: Norfolk Southern RR N/A													
Length	: 0				⊠ N/A	٨		Mile st	ation:	to			
Locatio	on Descr	intion:											
Rura		Urban		Lanes: 2	•								
	Segment				tering AADT	(Intersectio	n): 8000			Speed Li	mit: 30 mph		
	n Test Re			1	N/A	•	,	Lightin	g Present	-			
21122							5					7.1.4	
					Grade Crossing	☐ Distr	ict Documen	tation	System	atic Impro] N/A	
	roup: 1-	Urban Two	-Way Stre	eet							□ N/A		
Other:													
						(Crashes Det	ails					
Year	Total Crashe s	Fatal Crashes	Fatalities	s A-Injury Crashes	A-Injuries	B-Injury Crashes	B-Injuries	C-Injury Crashes	C-Injuries	PDO	Wet-Weather Crashes	Darkness (Not lighted) Crashes	
2007	0												
2008	3					2		1					
2009	2									2		0	
2010	2									2	1	0	
2011	8					3		2		3	2	3	
Total	15					5		3		7	3	3	
Locatio	on Descr	intion:											
	m Descri												
		•	ments: 1	None knowr	1								
		am: \square Y		tone knowi	1			Images	s: 🛛 Y 🗆	1 N			
				End (40%)	and Turning	(20%)				• • •			
		71		,	<u> </u>								
Propos	ed Impre	ovement(s	s): Flexib	le Delineato	or Installation								
Estima	ted Proje	ect Cost (\$	6000's):	\$16				Benefit	t-Cost Rat	io: 10.8			
Local F	Projects:	Expected	Crash Fre	equency in e	xcess of BLRS	Chapter 40-2	2 criteria indic	ating the neo	ed for a high	her type cr	ossing safety de	vice	
				ashes/100			Annual A-In	ijury Crash	n Rate (A-l	njury Cra	ashes/100 Mile	es):	
		ıral Funct	ional Cla	ass: Mino	r Arterial, Urba	ın							
Approv	/ed:						<u> </u>	Centra	I HSIP Ap	proval Da	ite:		
Signed								Funding:	□HSI	P 🗌 HR	RR ⊠ RAIL		
State S	afety En	gineer											
Comme	ent:												
Distrib	ution:	ПОР	РП	District	□BSE	□LRS	□BDE						

Printed 7/24/2014 BSE HS1



I. General Information
Applicant Type: City Village Town County Township Railroad
Resubmission: Yes No Company Name:
Applicant Name: City of Danville Population: 32,523
Chief Elected Official: Scott Eisenhauer Title: Mayor
Business Address: 17 W. Main Street
City: Danville State: IL Zip: 61832
Business Phone: (217) 431-2400 Business Fax:
Email Address (if applicable): mayor@cityofdanville.org
State Legislative District: 52 (Senator Michael Frerichs)
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Contact Person: David Schnelle Title: Director Engineering and Urbar
Company: City of Danville
Address: 1155 E. Voorhees Street, Suite A
City: Danville State: IL Zip: 61832
Business Phone: (217) 431-2384 Business Fax:
Email Address (if applicable): dschnelle@cityofdanville.org
III. Company Dunis of Information
III. General Project Information (Note: Attach separate sheet listing all crossings if applying for more than one crossing improvement)
County: Vermillion 🗵 In City 🗌 Near City City: Danville
Street/Roadway Name: Bowman Avenue
Railroad: Norfolk Southern Crossing Number: 479856G Railroad Milepost 300.28
Average Daily Traffic (ADT): 8,000 Daily Train Traffic: 48
(Number of Cars per Day over the Crossing) (Number of Trains per Day) Number of School Buses over Crossing per Day:
Do vehicles carrying hazardous materials use crossing?
If yes, list the type and approximate number of hazardous material vehicles using the crossing per day:
if yes, list the type and approximate number of hazardous material vehicles using the crossing per day.
Number of tracks through crossing: 2
Distance to, and street name of, the two nearest existing grade separations from location being applied for:
Crossing is currently: ☐ Grade Seperation ☒ An At-Grade Crossing ☐ No Crossing If crossing is currently a grade crossing, identify the existing warning device type:
☐ None ☐ Center Median or Median Barriers ☐ Automatic Flashing Light Signals and Gates
☐ Automatic Flashing Light Signals ☐ STOP Signs Only ☐ Crossbucks Only
Other (please specify)
Are railroad signals interconnected with traffic signals at this location: Yes No No
If nearest roadway crossing is currently a grade seperation, provide the following information:
☐ Highway Over Railroad ☐ Highway Under Railroad
Number of Traffic Lanes Width of Pavement
Vertical Clearance

V. Project Summary. Application to (check all that apply):
☐ Reconstruct Existing Grade Separation ☐ Construct New Grade Separation
☐ Close Adjacent Crossing ☐ Increase Vertical Clearance at Highway Underpass
Is application for: Design Only Construction only Design and Construction
Is application part of a larger "corridor" project:
Use the space below to provide a narrative of the proposed project. Items to include in this section are extenuating circumstances unique to this crossing, such as heavier seasonal traffic, visibility restrictions caused by trees, buildings, etc., proximity of schools and public buildings, etc., which explain why this crossing should be funded. Explain any work to by done by the local agency, such as roadway improvements in the immediate vicinity of the grade separation project. Approximate costs must be listed for each item of work to be done.
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VII. Financial Need This narrative must justify the local government's need for assistance from the GCPF. One copy of the applicant's most recent financial audit must be included with your application (local government agencies only). VIII. Project Schedule Provide information on when this project is anticipated to commence, or when improvements must be implemented. Provide an approximate timeline listing key milestones concerning the design and/or construction phases of the project.

Print Form





HSIP Candidate Form

											FY		
ID: Contract: Award Date:								Completion Date:					
District: 5 County: Vermillion							City: Danville						
Key route: Marked route:													
Road Name: Williams St. Intersecting Roadway: Norfolk Southern Railway Co. N/A													
Length	: 0				⊠ N/A			Mile sta	tion:	to			
Location	on Descr	iption:											
Rura	al	⊠ Urban		Lanes: 2									
AADT(Segment	:):		Total Ente	ring AADT (I	ntersectio	n): 5600		:	Speed Li	mit: 30 mph	l	
Friction	n Test Re	esults:		1 🗵	N/A			Lighting	g Present	: 🗆 Y 🛭	 N		
CHSPI	Emnhasi	s Area(s):	Highway	y-Railroad Gr	ade Crossina	☐ Dietri	ict Documen	tation [System	atic Impr	ovements C] N/A	
		Urban Two-			ade Crossing		- Documen	tation [Oysteni	auc impre	□ N/A	114/7	
Other:	- Сир. 1	Croun 1 wo	way bac										
	Total		1	<u> </u>		C	Crashes Det	ails			T	Darkness	
Year	Crashe s	Fatal Crashes	Fatalities	s A-Injury Crashes	A-Injuries	B-Injury Crashes	B-Injuries	C-Injury Crashes	C-Injuries	PDO	Wet-Weather Crashes	(Not lighted) Crashes	
2007	1					1						1	
2008	0												
2009	2									2		1	
2010	5			1		1				3	1	3	
2011	1					1					1	1	
Total	9			1		3				5	2	6	
Locatio	n Descr	iption: At	grade cro	ssing of the N	I/S and Williar	ns Street							
							ter 40-2 criteri	ia indicating t	he need for	a higher t	type crossing sa	fety device	
				None known								•	
Collisio	on Diagra	am: 🗌 Y	⊠N					Images	: ⊠ Y □	N			
Predon	ninant C	rash Type	s: Fixed	Object				•					
Propos	ed Impr	ovement(s	s): Flexib	le Delineator	Installation an	d Circuitry \	Upgrade						
Estima	ted Proje	ect Cost (\$	6000's):	\$116				Benefit	·Cost Rati	io: 3.5			
	Projects:		<u> </u>					<u> </u>					
Annual	Fatal Cı	ash Rate	(Fatal Cr	ashes/100 l	Miles):		Annual A-Ir	njury Crash	Rate (A-I	njury Cra	ashes/100 Mile	es):	
Local F	Roads Ru	ıral Funct	ional Cla	ass: Collect	or, Urban	•							
Approv	/ed:							Central	HSIP App	oroval Da	ite:		
Signed	:							Funding:	☐ HSII	P 🗆 HR	RR ⊠ RAIL		
State S	afety En	gineer											
Comme	ent:												
Distrib	ution:	□ОР	Р 🗆	District	□BSE	□LRS	BDE						

Printed 7/24/2014 BSE HS1



I. General Information
Applicant Type:
Resubmission: Yes No Company Name:
Applicant Name: City of Danville Population: 32,523
Chief Elected Official: Scott Eisenhauer Title: Mayor
Business Address: 17 W. Main Street
City: Danville State: IL Zip: 61832
Business Phone: (217) 431-2400 Business Fax:
Email Address (if applicable): mayor@cityofdanville.org
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Company: City of Danville
Address: 1155 E. Voorhees Street, Suite A
City: Danville State: LL Zip: 61832
Business Phone: (217) 431-2384 Business Fax:
Email Address (if applicable): dschnelle@cityofdanville.org
III. General Project Information (Note: Attach separate sheet listing all crossings if applying for more than one crossing improvement) County: Vermillion In City Near City City: Danville Street/Roadway Name: Bowman Avenue Railroad: Norfolk Southern Crossing Number: 479856G Railroad Milepost 300.28
Average Daily Traffic (ADT): 8,000 Daily Train Traffic: 48
(Number of Cars per Day over the Crossing) (Number of Trains per Day)
Number of School Buses over Crossing per Day:
Do vehicles carrying hazardous materials use crossing?
If yes, list the type and approximate number of hazardous material vehicles using the crossing per day:
Number of tracks through crossing: 2
Distance to, and street name of, the two nearest existing grade separations from location being applied for:
Crossing is currently: ☐ Grade Seperation ☒ An At-Grade Crossing ☐ No Crossing If crossing is currently a grade crossing, identify the existing warning device type:
☐ None☐ Center Median or Median Barriers☐ Automatic Flashing Light Signals and Gates
☐ Automatic Flashing Light Signals ☐ STOP Signs Only ☐ Crossbucks Only
Other (please specify)
Are railroad signals interconnected with traffic signals at this location:
If nearest roadway crossing is currently a grade seperation, provide the following information:
☐ Highway Over Railroad ☐ Highway Under Railroad
Number of Traffic Lanes Width of Pavement
Vertical Clearance

V. Project Summary. Application to (check all that apply):
Reconstruct Existing Grade Separation Construct New Grade Separation
☐ Close Adjacent Crossing ☐ Increase Vertical Clearance at Highway Underpass
Other (please specify)
Is application for: Design Only Construction only Design and Construction
Is application part of a larger "corridor" project:
Use the space below to provide a narrative of the proposed project. Items to include in this section are extenuating circumstances unique to this crossing, such as heavier seasonal traffic, visibility restrictions caused by trees, buildings, etc., proximity of schools and public buildings, etc., which explain why this crossing should be funded. Explain any work to by done by the local agency, such as roadway improvements in the immediate vicinity of the grade separation project. Approximate costs must be listed for each item of work to be done.
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VII. Financial Need

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Print Form



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Applicant Name: City of Danville Population: 32,523
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City: Danville State: IL Zip: 61832
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Contact Person: David Schnelle Title: Director Engineering and Urban
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Address: 1155 E. Voorhees Street, Suite A
City: Danville State: IL Zip: 61832
Business Phone: (217) 431-2384 Business Fax:
Email Address (if applicable): dschnelle@cityofdanville.org
III. General Project Information (Note: Attach separate sheet listing all crossings if applying for more than one crossing improvement) County: Vermillion In City Near City City: Danville Street/Roadway Name: Williams Street Railroad: Norfolk Southern Crossing Number: 479859C Railroad Milepost 301.02
(Number of Cars per Day over the Crossing) (Number of Trains per Day)
Number of School Buses over Crossing per Day:
Do vehicles carrying hazardous materials use crossing?
If yes, list the type and approximate number of hazardous material vehicles using the crossing per day:
Number of tracks through crossing: 3
Distance to, and street name of, the two nearest existing grade separations from location being applied for:
Crossing is currently: ☐ Grade Seperation ☒ An At-Grade Crossing ☐ No Crossing If crossing is currently a grade crossing, identify the existing warning device type:
☐ None ☐ Center Median or Median Barriers ☐ Automatic Flashing Light Signals and Gates
☐ Automatic Flashing Light Signals ☐ STOP Signs Only ☐ Crossbucks Only
Other (please specify)
Are railroad signals interconnected with traffic signals at this location:
Are railroad signals interconnected with traffic signals at this location: \[\sum_{Yes} \text{No} \sum_{N/A} \] If nearest roadway crossing is currently a grade seperation, provide the following information:
Highway Over Railroad Highway Under Railroad
Number of Traffic Lanes Width of Pavement

V. Project Summary. Application to (check all that apply):
☐ Reconstruct Existing Grade Separation ☐ Construct New Grade Separation
☐ Close Adjacent Crossing ☐ Increase Vertical Clearance at Highway Underpass
Is application for: Design Only Construction only Design and Construction
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Use the space below to provide a narrative of the proposed project. Items to include in this section are extenuating circumstances unique to this crossing, such as heavier seasonal traffic, visibility restrictions caused by trees, buildings, etc., proximity of schools and public buildings, etc., which explain why this crossing should be funded. Explain any work to by done by the local agency, such as roadway improvements in the immediate vicinity of the grade separation project. Approximate costs must be listed for each item of work to be done.
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Provide information on when this project is anticipated to commence, or when improvements must be implemented. Provide an approximate timeline listing key milestones concerning the design and/or construction phases of the project.

Print Form





HSIP Candidate Form

											FY	
ID:	Contract: Award Date:					d Date:		С	ompletio	n Date:		
District	ct: 5 County: Vermillion							City: I	Danville			
Key ro	Key route: Marked route:											
Road Name: Griffin Street Intersecting Roadway: CSX Transportation, Inc.						on, Inc.						
Length	:				⊠ N/A			Mile sta	ation:	to		
Location	Location Description:											
Rura	☐ Rural ☐ Urban											
AADT(Segment	t):		Total Ente	ring AADT (I	ntersectio	n): 7100		;	Speed Li	mit: 30 mph	<u> </u>
Friction	1 Test Re	esults:			N/A			Lightin	g Present	: 🗆 Y 🛭	 N	
CHSDI	Emnhaci	e Aroa(e):	Highway	y Pailroad G	ade Crossing	□ Dietri	ct Documen	tation	☐ System	atic Impr	ovements C] N/A
		Urban Two			ade Crossing		Ct Documen	lation	☐ System	alic impri	□ N/A] 19/74
Other:	. эчр. 1-	CIDAN I WU	,, ay 50C								L 11//	
	Total				1	C	rashes Det	ails		ı	1	Darkness
Year	Crashe s	Fatal Crashes	Fatalities	s A-Injury Crashes	A-Injuries	B-Injury Crashes	B-Injuries	C-Injury Crashes	C-Injuries	PDO	Wet-Weather Crashes	(Not lighted) Crashes
2007												
2008												
2009	1					1					1	
2010	3					1				2		2
2011												
Total				\bot		2				2	1	2
Locatio	on Descr	iption: At	grade cro	ossing of CS2	X and Griffin S	Street						
Proble	m Descri	iption:										
Previou	us Safety	/ Improve	ments: 1	None known								
Collisio	on Diagra	am: 🗌 Y	⊠N					Images	:: ⊠ Y □] N		
Predon	ninant C	rash Type	s: Rear F	End								
Proposed Improvement(s): Warning Gates Installation and Circuitry Upgrade												
Estima	Estimated Project Cost (\$000's): \$350							Benefit-Cost Ratio: 13.4				
Local F	Projects:	Expected	Crash Fre	equency in ex	cess of BLRS	Chapter 40-2	2 criteria indic	cating the nee	ed for a high	ner type cr	ossing safety de	vice
Annual	Fatal Cı	rash Rate	(Fatal Cr	rashes/100	Miles):		Annual A-Ir	njury Crash	Rate (A-I	njury Cra	ashes/100 Mile	es):
Local F	Roads Ru	ural Funct	ional Cla	ss: Minor	Arterial, Urban							
Approv	/ed:							Central	HSIP App	oroval Da	ate:	
Signed	:							Funding: ☐ HSIP ☐ HRRR ☒ RAIL				
State S	afety En	gineer										
Comment:												
Distrib	ution:	□ОР	Р	District	BSE	□LRS	BDE					

Printed 7/24/2014 BSE HS1



I. General Information
Applicant Type:
Resubmission:
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III. General Project Information (Note: Attach separate sheet listing all crossings if applying for more than one crossing improvement) County: Vermillion
Average Daily Traffic (ADT): 7,100 Daily Train Traffic: 15
(Number of Cars per Day over the Crossing) Number of School Buses over Crossing per Day: (Number of Trains per Day)
Do vehicles carrying hazardous materials use crossing?
If yes, list the type and approximate number of hazardous material vehicles using the crossing per day:
if you, not the type and approximate number of nazaradae material verifices doing the drotting per day.
Number of tracks through crossing: 2 Distance to, and street name of, the two nearest existing grade separations from location being applied for:
Crossing is currently: ☐ Grade Seperation ☒ An At-Grade Crossing ☐ No Crossing If crossing is currently a grade crossing, identify the existing warning device type:
☐ None☐ Center Median or Median Barriers☐ Automatic Flashing Light Signals and Gates
Other (please specify)
Are railroad signals interconnected with traffic signals at this location:
Are railroad signals interconnected with traffic signals at this location: Yes No No N/A If nearest roadway crossing is currently a grade seperation, provide the following information:
☐ Highway Over Railroad ☐ Highway Under Railroad
Number of Traffic Lanes Width of Pavement
Vertical Clearance

V. Project Summary. Application to (check all that apply):
Reconstruct Existing Grade Separation Construct New Grade Separation
☐ Close Adjacent Crossing ☐ Increase Vertical Clearance at Highway Underpass
☑ Other (please specify) Warning Gates Installation and Circuitry Upgrade
Is application for: Design Only Construction only Design and Construction
Is application part of a larger "corridor" project: Yes No
Use the space below to provide a narrative of the proposed project. Items to include in this section are extenuating circumstances unique to this crossing, such as heavier seasonal traffic, visibility restrictions caused by trees, buildings, etc., proximity of schools and public buildings, etc., which explain why this crossing should be funded. Explain any work to by done by the local agency, such as roadway improvements in the immediate vicinity of the grade
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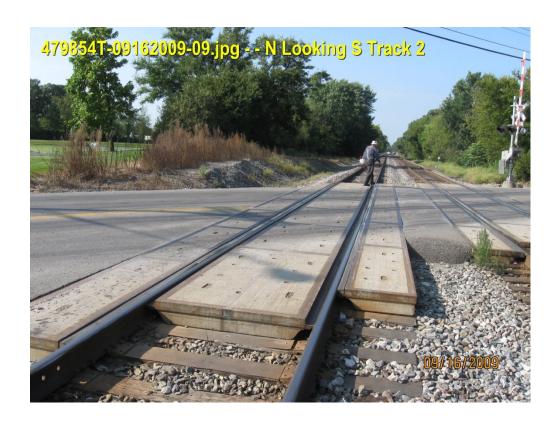
Print Form

Reset Form



































































353715W-09232009-06.jpg - - N Side of Xing;Down-the-Track looking W









Fiscal Year 2015 Annual Element											
PROJECT NUMBER	PROJECT ROUTE	DESCRIPTION OF PROPOSED IM PROVEMENT	LOCATION		FUND TYPE	Agency Cost	Partner Agency Cost	State Cost Share	Federal Cost Share (in	TOTAL PROJECT	NOTES
			BEGINNING	END	FUND TIPE	(in 1,000's)	(in 1,000's)	(in 1,000's)	1,000's)	COST (in 1,000's)	NOTES
ILLINOIS DEPARTMENT OF TRANSPORTATION											
A007-W	I-74	Resurfacing (INT-3RD) / Guardrail	IL 49 (N)	US 150 W of Danville	State /			1,270.00	11,430.00	12,700.00	
2015 ITS-1	VARIOUS	Surveillance / Changeable Message Signs	Various Id	ocations in nville	Intel Tran Sys-S /			368.00	1,472.00	1,840.00	
TOTAL (In 1,000's)							0.00	1,638.00	12,902.00	14,540.00	

FY15 TIP Amendments- IDOT 09/04/2014