

**City of Fayetteville Staff Review Form**

**2019-0560**

**Legistar File ID**

**9/17/2019**

**City Council Meeting Date - Agenda Item Only**  
N/A for Non-Agenda Item

Chris Brown

8/29/2019

ENGINEERING (621)

**Submitted By**

**Submitted Date**

**Division / Department**

**Action Recommendation:**

Approval of a Resolution expressing the willingness of the City of Fayetteville to partner with the Arkansas Department Of Transportation for the Poplar Street Railroad Signals Upgrade Rail-Highway Crossing Improvement project.

**Budget Impact:**

Account Number	Fund
	Poplar Street Railroad Crossing Upgrade
Project Number	Project Title
<b>Budgeted Item?</b> <u>NA</u>	Current Budget            \$            -
	Funds Obligated            \$            -
	Current Balance <b>\$</b> <b>-</b>
<b>Does item have a cost?</b> <u>NA</u>	Item Cost
<b>Budget Adjustment Attached?</b> <u>NA</u>	Budget Adjustment
	Remaining Budget <b>\$</b> <b>-</b>

V20180321

**Purchase Order Number:** \_\_\_\_\_

**Previous Ordinance or Resolution #** \_\_\_\_\_

**Change Order Number:** \_\_\_\_\_

**Approval Date:** \_\_\_\_\_

**Original Contract Number:** \_\_\_\_\_

**Comments:**



**MEETING OF SEPTEMBER 17, 2019**

**TO:** Mayor and City Council

**THRU:** Don Marr, Chief of Staff  
Garner Stoll, Development Services Director  
Chris Brown, City Engineer

**FROM:** Paul Libertini, Staff Engineer *P.L.*

**DATE:** August 29, 2019

**SUBJECT: Poplar Street Railroad Crossing Signals Upgrade Project**

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**RECOMMENDATION:**

Staff requests approval of a Resolution expressing the willingness of the City of Fayetteville to partner with the Arkansas Department Of Transportation (ARDOT) to upgrade the Poplar Street Railroad Crossing Signals.

**BACKGROUND:**

On November 7, 2017, the Railroad-Highway Crossing Diagnostic Team inspected the railroad crossing on Poplar Street just west of the intersection with Gregg Avenue. The Team recommended to install railroad gates with lights and separate crossing arms with lights for pedestrians.

**DISCUSSION:**

ARDOT has access to funding for railroad crossing safety enhancements that will pay for 90% of the cost of projects that meet funding criteria. The remaining 10% match must come from the local jurisdiction where the crossing is located. ARDOT is requesting the City indicate its willingness to participate in the program at an estimated cost to the City of \$30,000 for the Poplar Street crossing. This item was presented to and approved by the City's Transportation Committee at their August 27, 2019 meeting.

**BUDGET/STAFF IMPACT:**

Funding for the City's 10% match of \$30,000 will come the Capital Improvement Program or the Transportation Bond Program. (This number is subject to change as the project is developed and a more detailed estimate is available.)

**Attachments:**

Letter from Kevin Thornton, ARDOT dated 8/02/2019  
RR-Highway Crossing Diagnostic Team Inspection Report 11/07/2017



ARKANSAS DEPARTMENT OF TRANSPORTATION

ArDOT.gov | IDriveArkansas.com | Scott E. Bennett, P.E., Director

TRANSPORTATION PLANNING & POLICY DIVISION

10324 Interstate 30 | P.O. Box 2261 | Little Rock, AR 72203-2261 | Phone: 501.569.2201

August 2, 2019



The Honorable Lioneld Jordan  
Mayor of Fayetteville  
113 West Mountain  
Fayetteville, AR 72701

Dear Mayor Jordan:

Reference is made to the potential safety improvements at the Poplar Street at-grade railroad crossing of Arkansas and Missouri Railroad tracks.

On November 17, 2017, a Diagnostic Team Meeting was held to discuss the need for potential safety improvements at the above mentioned location. A copy of the Diagnostic Team Meeting Report is enclosed for your information.

Recent guidance for the Rail-Highway Crossing Program (RHCP) from the Federal Highway Administration (FHWA) limits the Federal share of funding for RHCP projects to 90 percent of the total project cost. A ten percent match must be provided by the local roadway authority. Based on a preliminary cost estimate provided by Arkansas and Missouri Railroad, the 10 percent share would be approximately \$30,000.

At this time, the Department requests City of Fayetteville to indicate its willingness to provide the required matching funds by adopting a resolution similar to the sample enclosed. We respectfully request a response from you by September 2, 2019. Upon receipt of the resolution, a Minute Order will be submitted to the Arkansas Highway Commission requesting a Federal-aid project be programmed when funds become available. Once a project is programmed, a formal project agreement will be developed including an engineering estimate from Arkansas and Missouri Railroad. The actual amount of funding requested from the city will be based on this estimate.

We look forward to working with you to improve the safety at this crossing. If you should have any questions about this project or process, please feel free to contact Tyler Post, the Department's Railroad Coordinator, at 501-569-2115.

Sincerely,

Kevin Thornton

Assistant Chief Engineer – Planning

Enclosures

c: Deputy Director and Chief Engineer  
Program Management  
Transportation Planning and Policy  
District 4  
FHWA - Arkansas Division



**Washington County**

**Fayetteville**

**Poplar St  
DOT No. 667190A**



**Grade Crossing Improvements**

**Fayetteville**

**Washington County**



**RAILROAD-HIGHWAY CROSSING DIAGNOSTIC TEAM  
INSPECTION REPORT**

D-4

Date Inspection Made: 11/7/2017

County: Washington

Railroad: A&M

Crossing DOT Number: 667190A (Lights)

Location: Fayetteville

Highway or Street: Poplar St.

Hazard Rating by AHTD: 5.137 Rank: 518 of 2448 (2 crashes)

**TRAIN AND TRACK INFORMATION:**

Number of Trains per Day: 46 Number of Switching Movements: Scheduled Train Speed: 25

Number of Main Tracks: 1 Other: 0 Type Track i.e. Spur, Industry, etc:

Track Alignment at Crossing: 90° Type of Crossing Surface Between Ends of Ties: Concrete Panel

**ROADWAY OR STREET INFORMATION:**

ADT: 4300 Width at Crossing: 33' Type of Surfacing on Crossing Approaches: Asphalt

Roadway Speed at Crossing: 15 mph Close to Signalized Roadway Intersection: Yes, Poplar & Gregg (interconnect)

**SIGHT DISTANCE IN ALL FOUR QUADRANTS:**

Northwest Good Northeast Good

Southwest Curve Southeast Good

Other conditions at crossing Immediately adjacent to Gregg

**THE DIAGNOSTIC TEAM RECOMMENDS:**

Signals - Lights / Gates / Ped Gates / side lights Surface - Adequate

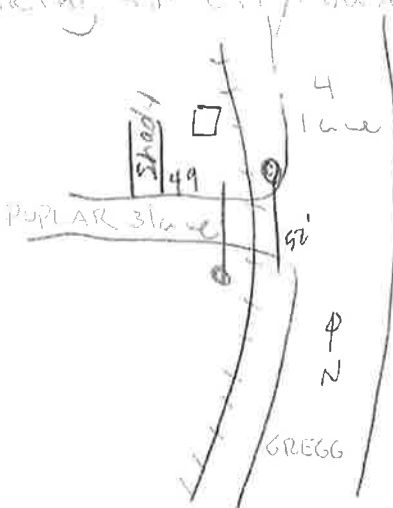
Pavement Markings and Advance Warning Signs - City

Comments - Need interconnect & timing study

**10% Match Responsibility:** City is willing, we need estimate before

This recommendation represents a consensus of opinion of the Diagnostic Team and is not a commitment to construct this project nor is it a recommendation that this project be scheduled until adequate funds become available.

asking for City Council Resolution



Railroad Representative [Signature]

AHTD MPP Representative [Signature]

AHTD District Representative \_\_\_\_\_

FHWA Representative \_\_\_\_\_

City/County Representative [Signature]



# Recommended Local Road Authority Railroad Crossing Improvements

Dist.	DOT	RR	Location	Roadway Authority	Existing Protection	Recommended Protection	Rank <sup>1</sup>	Hazard Rating <sup>2</sup>	Average Daily Traffic	Trains per Day	Crashes (since 2003)	# Tracks	Federal	Local Match	Total Estimate
2	431264K	UPRR	County Road 53/Gay Ln. RR Signals (Montrose) (S)	Ashley County	Crossbucks	install lights and gates and surface	123	5.05	38	15	2	1	\$ 252,450	\$ 28,050	\$ 280,500
2	426100J	UPRR	County Road 992/Ussey Rd. RR Signals (Redfield) (S)	Jefferson County	Crossbucks	install lights and gates	78	6.436	103	21	2	1	\$ 282,150	\$ 31,350	\$ 313,500
2	426267V	UPRR	Stark Gate Rd., RR Signals Upgrade (Redfield) (S)	Jefferson County	Lights	upgrade lights and install gates	100	5.762	763	21	0	1	\$ 252,450	\$ 28,050	\$ 280,500
2	425280F	UPRR	State Police Rd. RR Signals (Mitchellville) (S)	Desha County	Crossbucks	install lights and gates with sidelights and surface	123	5.05	37	15	2	1	\$ 252,450	\$ 28,050	\$ 280,500
3	330576N	KCS	Commerce St. RR Signals (Ashdown) (S)	City of Ashdown	Crossbucks	install lights and gates with sidelights	129	4.952	412	26	1	1	\$ 337,500	\$ 37,500	\$ 375,000
4	667190A	A&M	Poplar St. RR Signals Upgrade (Fayetteville) (S)	City of Fayetteville	Lights on Cantilevers	upgrade lights and install gates	117	5.137	4300	4	2	1	\$ 267,535	\$ 29,726	\$ 297,261
4	330503D	KCS	Bradley St. RR Signals Upgrade (Grannis) (S)	City of Grannis	Lights on Cantilevers	upgrade lights and install gates	95	5.912	712	20	0	2	\$ 337,500	\$ 37,500	\$ 375,000
4	330465W	KCS	County Road 39/Oak St. RR Signals (Hatfield) (S)	Polk County	Crossbucks	install lights and gates with sidelights	119	5.092	430	20	0	3	\$ 270,000	\$ 30,000	\$ 300,000
4	434415H	UPRR	Main St. RR Signals Upgrade (Dyer) (S)	City of Dyer	Lights	upgrade lights and install gates	90	5.961	1000	18	0	1	\$ 252,450	\$ 28,050	\$ 280,500
5	437966B	UPRR	County Road 438 RR Signals (McRae) (S)	White County	Crossbucks	install lights and gates	20	10.475	167	44	2	2	\$ 487,080	\$ 54,120	\$ 541,200
5	438159H	UPRR	County Road 74 RR Signals (Alicia) (S)	Jackson County	Crossbucks	install lights and gates	132	4.896	322	33	0	1	\$ 424,710	\$ 47,190	\$ 471,900
6	439810J	UPRR	County Road 32 Signals (Malvern) (S)	Hot Spring County	Crossbucks	install lights and gates with sidelights	36	8.241	116	36	2	2	\$ 376,200	\$ 41,800	\$ 418,000
6	434190F	UPRR	Crystal Rd. RR Signals (North Little Rock) (S)	City of North Little Rock	Crossbucks	install lights and gates	102	5.65	29	18	2	1	\$ 296,010	\$ 32,890	\$ 328,900
6	426268C	UPRR	E. Hensley Rd. RR Signals (Hensley) (S)	Pulaski County	Crossbucks	install lights and gates	128	4.958	402	21	0	2	\$ 461,340	\$ 51,260	\$ 512,600
7	787716D	UPRR	Edgar St. RR Signals (Fordyce) (S)	City of Fordyce	Crossbucks	install lights and gates	93	5.925	348	30	0	2	\$ 498,600	\$ 55,400	\$ 554,000
8	434324C	UPRR	Macon Road RR Signals (Russellville) (S)	City of Russellville	Crossbucks	install lights and gates	102	5.65	27	18	2	1	\$ 291,060	\$ 32,340	\$ 323,400
8	434280E	UPRR	Morrill St. RR Signals Upgrade (Morrilton) (S)	City of Morrilton	Lights	upgrade lights and install gates	83	6.205	591	18	0	1	\$ 288,090	\$ 32,010	\$ 320,100
9	330384W	KCS	County Road 164 RR Signals (Siloam Springs) (S)	Benton County	Crossbucks	install lights and gates	91	5.95	36	20	2	1	\$ 315,000	\$ 35,000	\$ 350,000
10	437896N	UPRR	County Rd. 419/County Rd. 142 RR Signals (Coming) (S)	Clay County	Crossbucks	install lights and gates	27	9.062	248	33	2	1	\$ 252,450	\$ 28,050	\$ 280,500
10	787825G	UPRR	County Road 16/Hardin Ln. RR Signals (Weiner) (S)	Poinsett County	Crossbucks	install lights and gates	53	7.354	112	30	2	1	\$ 376,200	\$ 41,800	\$ 418,000
<b>TOTAL:</b>													<b>\$ 6,571,225</b>	<b>\$ 730,136</b>	<b>\$ 7,301,361</b>

**Notes:**

1 - Rank among 1,863 public, at-grade crossings without lights and gates.

2 - Hazard Rating based on formula that includes number of crashes in last 15 years, number of trains per day, average daily traffic, and number of tracks at the crossing.