



### AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Approve Land Drainage Investigation, Repair and Construction for Prairie Green-Huddleston McBride Drainage Company		
Presenter & Title:	Richard Babica Director of Public Works		
Date:	March 9, 2017		
<b>Please Check Appropriate Box:</b>			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting	<input type="checkbox"/>	Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting	<input type="checkbox"/>	Special City Council Meeting
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	Other -
Associated Strategic Plan Goal/Objective: <i>Vision 5; Manage City resources and assets to effectively and efficiently deliver core services, provide for capital investment and meet community needs and desires.</i>			
Estimated Cost: \$34,044.60		Budgeted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
If "Other Funding," please explain how the item will be funded: The expenses for this project can be accommodated within the overall Prairie Green Capital Projects Fund. A Budget Amendment will be included at a forthcoming City Council meeting.			
<b>Executive Summary:</b>			
<p>At the January 19, 2016 City Council meeting, the City entered into a contract with Land and Water Resources to manage the Wetland Mitigation Bank within the Prairie Green Natural Areas. Through their efforts, the US Army Corp of Engineers (USACE) suspension of the bank has been lifted. Ongoing efforts are now shifting to maintenance activities within the wetland bank. They have identified numerous projects within the wetland bank, and three areas that require maintenance that are outside of the wetland bank, but within the overall Prairie Green Natural Areas. These three projects (Projects #100, 109 and 110) would fall within the maintenance obligations of the City. A map of the Prairie Green Natural Area that show the proposed projects, as well as the proposal from the Huddleston McBride Drainage Company is attached for your review.</p> <p>The City contractor has prepared and developed plans and specifications to conduct the projects within the wetlands bank, the area encompassed within the dashed powder blue area, at their cost. They have also offered to extend those specifications for use by the City to complete the remaining items within the Prairie Green Natural Area. Such a collaborative effort would be in continuance with the Public/Private Sector Partnership that has re-established the Prairie Green Wetland Mitigation Bank.</p>			

<p>While the maintenance costs are in excess of the City Code's requirements for competitive bidding, the costs would be within the State of Illinois Statutory requirements. Therefore, staff will also request that the City Council waive competitive bidding to comply with City Code.</p>
<p><b>Attachments:</b> <i>(please list)</i></p>
<ul style="list-style-type: none"><li>• Huddleston McBride Drainage Company proposal dated February 16, 2017</li><li>• 2017 Prairie Green Maintenance Project Map</li><li>• Resolution 2017-28</li></ul>
<p><b>Recommendation / Suggested Action:</b> <i>(how item should be listed on agenda)</i></p>
<p>Staff recommends that the City Council waive competitive bidding and authorize the City Administrator to enter into an agreement with the Huddleston McBride Drainage Company, of Rochelle, Illinois, to conduct maintenance activities within the Prairie Green Natural Areas in the amount not to exceed \$34,044.60</p>



LAND DRAINAGE INVESTIGATION, REPAIR AND CONSTRUCTION  
**PRAIRIE GREEN WETLAND BANK, PROPOSAL NO. 17122**

DATE: 2/16/2017

DRAWING NO.: 4-9-6-R1

PREPARED BY: TLH

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Description	Qty.	Unit	Cost	Total
<b>PROJECT NO. 100 - existing 18" mainline evaluation</b>				
<sup>1</sup> Drainage Investigation and Repair Crew Hour	4.00	hrs.	440.00	1,760.00
Material Allowance	0.00		0.00	0.00
<b>PROJECT NO. 100 SUBTOTAL</b>				<b>\$1,760.00</b>
<b>PROJECT NO. 101 - berm and valve evaluation</b>				
<sup>1</sup> Drainage Investigation and Repair Crew Hour	3.00	hrs.	440.00	1,320.00
Mics. Material Allowance	1.00	ea.	200.00	200.00
<b>PROJECT NO. 101 SUBTOTAL</b>				<b>\$1,520.00</b>
<b>PROJECT NO. 102 - existing structure modification</b>				
<sup>1</sup> Drainage Investigation and Repair Crew Hour	3.00	hrs.	420.00	1,260.00
Mics. Material Allowance	1.00	ea.	200.00	200.00
<b>PROJECT NO. 102 SUBTOTAL</b>				<b>\$1,460.00</b>
<b>PROJECT NO. 103 - investigation trench and leak evaluation</b>				
<sup>1</sup> Drainage Investigation and Repair Crew Hour	3.00	hrs.	440.00	1,320.00
Mics. Material Allowance	1.00	ea.	200.00	200.00
<b>PROJECT NO. 103 SUBTOTAL</b>				<b>\$1,520.00</b>
<b>PROJECT NO. 104 - existing drain tile blow and lateral evaluation</b>				
<sup>1</sup> Drainage Investigation and Repair Crew Hour	3.00	hrs.	440.00	1,320.00
Mics. Material Allowance	1.00	ea.	200.00	200.00
<b>PROJECT NO. 104 SUBTOTAL</b>				<b>\$1,520.00</b>
<b>PROJECT NO. 105 - mainline replacement, valve install and r</b>				
<sup>1</sup> Drainage Investigation and Repair Crew Hour	12.00	hrs.	440.00	5,280.00
10" n-12, dual wall polyethylene drain tile w/ connection	460.00	ft.	5.80	2,668.00
6" n-12, dual wall polyethylene drain tile w/ connection	230.00	ft.	2.92	671.60
10" inline water control structure w/ vault and lid	1.00	ea.	1160.00	1,160.00
24" stone filled release structure with connection	1.00	ea.	360.00	360.00
<b>PROJECT NO. 105 SUBTOTAL</b>				<b>\$10,139.60</b>
<b>PROJECT NO. 106 - existing structure modification and evaluation</b>				
<sup>1</sup> Drainage Investigation and Repair Crew Hour	2.00	hrs.	440.00	880.00
Mics. Material Allowance	1.00	ea.	200.00	200.00
<b>PROJECT NO. 106 SUBTOTAL</b>				<b>\$1,080.00</b>

Prairie Green Proposal no. 17122

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Description	Qty.	Unit	Cost	Total
<b>PROJECT NO. 107 - existing structure installation and release structure</b>				
<sup>1</sup> Drainage Investigaiton and Repair Crew Hour	4.00	hrs.	440.00	1,760.00
6" inline water control structure w/ vault and lid	1.00	ea.	980.00	980.00
24" stone filled release structure with connection	1.00	ea.	360.00	360.00
<b>PROJECT NO. 107 SUBTOTAL</b>	<b>1.00</b>	<b>ea.</b>	<b>780.00</b>	<b>\$3,100.00</b>
<b>PROJECT NO. 108 - mainline replacement</b>				
<sup>1</sup> Drainage Investigaiton and Repair Crew Hour	8.00	hrs.	440.00	3,520.00
10" n-12, dual wall polyethylene drain tile w/ connection	460.00	ft.	6.77	3,114.20
<b>PROJECT NO. 108 SUBTOTAL</b>				<b>\$6,634.20</b>
<b>PROJECT NO. 109 - existing structure repair and evaluation</b>				
<sup>1</sup> Drainage Investigaiton and Repair Crew Hour	4.00	hrs.	440.00	1,760.00
Material Allownance	1.00	ea.	400.00	400.00
<b>PROJECT NO. 109 SUBTOTAL</b>				<b>\$2,160.00</b>
<b>PROJECT NO. 110 - mainline replacment and structure modification</b>				
<sup>1</sup> Drainage Investigaiton and Repair Crew Hour	24.00	hrs.	440.00	10,560.00
12" n-12, dual wall (solid/perf.)polyethylene drain tile w/ connection	2090.00	ft.	8.94	18,684.60
3' dia. Junction structure w/	1.00	ea.	680.00	680.00
Misc. existing clay drain tile connections	1.00	ea.	200.00	200.00
<b>PROJECT NO. 110 SUBTOTAL</b>				<b>\$30,124.60</b>
Consulting charges, design, layout, gps survey and record plans	15.00	hrs.	120.00	\$1,800.00
Mobilization including all permits	1.00		0.00	0.00
<b>Total cost for drainage services including all materials / labor as listed on plan no. 4-9-6r1</b>				<b>\$62,818.40</b>

<sup>1</sup> **Drainage Construction and Maintenance Crew Hour Basis (prevailing wage)** ; is calculated on an hourly basis of \$440.00 including a full drainage tile construction / repair crew consisting of (2 total) man ground laborers, (2 total) man operators, (1-2) 4-wheel drive loader backhoe w/ operator, (1)- kobelco wide track mid-class excavator w/ operator, kobota ATV, electronic and manual investigation equipment, pipeline video equipment, incidental pipe repair materials, field staking materials, atv transport, field supervision and miscellaneous support equipment including pumps, saws, probes, and other necessary tools.  
(including daily safety briefings)

<sup>4</sup> **Project Consulting Services Hour Basis** ; (T.L. Huddleston) is calculated on an hourly basis of \$120.00 including initial project assessment, client consultation, site meetings, Utility locations, GPS land surveying , existing conditions research, project planning, record mapping w/ plots and project supervision.

<sup>5</sup> **Heavy Equipment Transport Hour basis**; - is calculated on an hourly basis of \$ 295.00 including heavy equipment loading transport including all transportation permits, licenses and fees, daily hour are computed by home port to home port.

CITY OF ST. CHARLES

ST. CHARLES SCHOOL DISTRICT 303

ST. CHARLES PARK DISTRICT

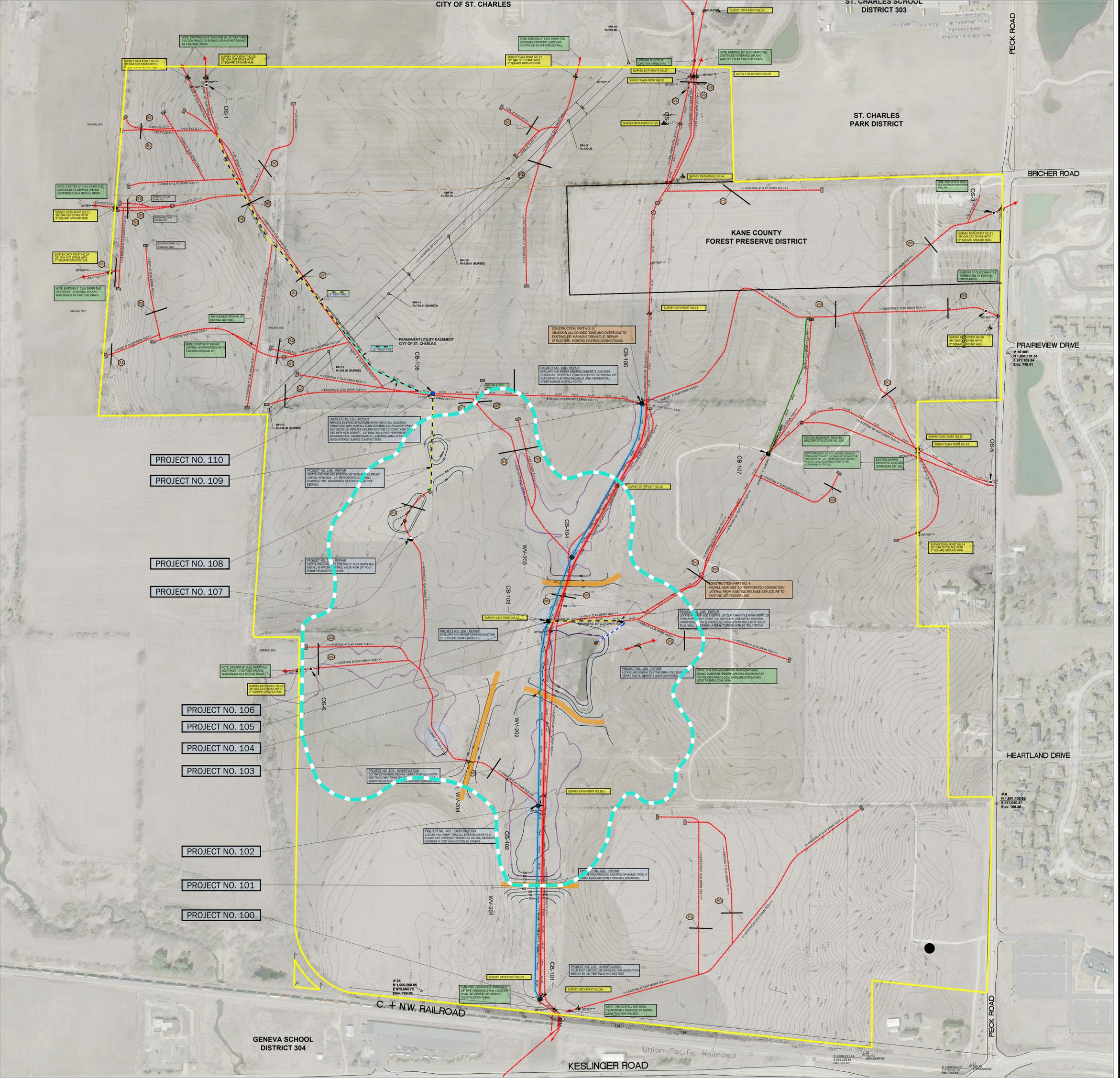
KANE COUNTY FOREST PRESERVE DISTRICT

PECK ROAD  
BRICHER ROAD  
PRAIRIEVIEW DRIVE  
# 101001  
N 1,904,101.54  
E 877,109.36  
Elev. 749.01

HEARTLAND DRIVE  
# 6  
N 1,901,499.63  
E 877,640.47  
Elev. 748.38

GENEVA SCHOOL DISTRICT 304

Union Pacific Railroad  
KESLINGER ROAD



**LAND AND WATER RESOURCES**  
 JOHN RYAN, PROJECT MANAGER  
 9575 W. HIGGINS RD, SUITE 901, ROSEMONT, ILL., 60018

APPROVED BY AND DATE: JOHN RYAN, 3/4/17	PROJECT DATE: 3/4/17
APPROVED BY AND DATE: TOM HUDDLESTON 3/4/17	FIELD FILE NO: 4-9-6
DRAWN BY AND DATE: TOM HUDDLESTON 3/4/17	DRAWING NO: 4-9-6

REVISIONS	DATE	BY	DESCRIPTION
WEATHER CONDITIONS: SUNNY/ WARM - 30s	DRAWING SCALE: 1" = 200'	SHEET NO: ONE OF ONE	

**RESOLUTION NO. 2017-28**

**RESOLUTION AUTHORIZING EXECUTION OF  
HUDDLESTON McBRIDE DRIANAGE COMPANY PROPOSAL NO. 17122, TO  
PERFROM LAND DRAINAGE INVESTIGATION, REPAIR AND CONSTRUCTION FOR  
THE PRIARIE GREEN WETLAND BANK**

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**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS**, as follows:

**SECTION 1:** That the City Administrator is hereby authorized to execute, on behalf of the City of Geneva, Huddleston McBride Drainage Company Proposal No. 17122 in the form attached hereto at Exhibit "A", relating to maintenance actives within the Prairie Green Natural Areas.

**SECTION 2:** This Resolution shall become effective from and after its passage as in accordance with law.

**PASSED** by the City Council of the City of Geneva, Kane County, Illinois, this 20<sup>th</sup> day of March, 2017

**AYES: \_\_ NAYS: \_\_ ABSENT: \_\_ ABSTAINING: \_\_ HOLDING OFFICE: \_\_**

Approved by me this \_\_\_\_ day of \_\_\_\_\_, 2017.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk