

Intergovernmental Cooperation Authority for Harrisburg

Minutes of the Governing Board

Regular Meeting

February 22, 2023

Temple University Harrisburg, Strawberry Square, Harrisburg PA

hbgica.org

Members in Attendance	Ms. Audry Carter Mr. Doug Hill Mr. H. Ralph Vartan Ms. Kathy Speaker MacNett Ms. Elaine Barber, via Zoom	A Quorum Was Recognized
Ex-Officio Members in Attendance	Mr. Michael Wood, Office of the Budget	
In Attendance	Mr. Michael Cassidy Independent Counsel Mr. Jeffrey Stonehill Authority Manager	
Meeting Begins		4:01 p.m.
Welcome by Audry Carter, Chair	Ms. Carter opened the meeting with the introduction of Ms. Elaine Barber, the newest appointee to the Board of the Intergovernmental Cooperation Authority for Harrisburg.	
Approval of the minutes of December 14, 2022	Ms. Carter asked for a motion to approve the minutes. Mr. Hill offered a motion to approve. A second by Mr. Vartan. The motion passes.	Approved 4-0. Ms. Barber abstained from the vote per the by-laws.
Report by the Chair	Ms. Carter noted that the January 2023 meeting of the ICA Board was cancelled.  She went on to note that the City of Harrisburg finished 2022 with revenues exceeding expenditures and encumbrances. Revenues were up 12% year over year and she noted the American Rescue Plan Act funding.  Ms. Carter added that in 2022, the City of Harrisburg paid off \$12 million of its remaining Ambac debt while maintaining a \$21 million fund balance. She added that the Williams administration plans on paying off the	

	<p>balance of the Ambac debt as soon as reasonably possible. The payoff occurred following the public meeting.</p> <p>Ms. Carter noted that Harrisburg is still seeking a City Engineer and there is a plan to meet on the 2021 audit in March 2023; in a virtual meeting.</p> <p>She added that the City of Harrisburg is sprinting to move forward on the DCED mad dash dollars awarded for recreation improvements.</p> <p>Ms. Carter turned the floor over to Mr. Vartan who reviewed a discussion he had with Ms. Kelley regarding an amendment to the schedule for the submission of the update to the Mayor's Five-Year Financial Plan for 2023.</p> <p>Mr. Vartan reviewed his discussion and concluded that a full update will be created in July of 2023. The plan would be submitted to the ICA Board by August 30<sup>th</sup>. The ICA Board would be required to review and respond with comments by September 30<sup>th</sup>. The thought being that beginning on October 1<sup>st</sup>, the city is going full speed ahead into the following year's budget.</p> <p>For April 2023, Mr. Vartan suggested to the Board that the City of Harrisburg submit an update to the numbers in the 2022 plan document, rather than submit a full new plan, with a full new plan being submitted in July and August 2023.</p> <p>To remain in compliance and noting the approved 2023 budget, Ms. Kelley could merely submit updated tables and charts and that would be sufficient to keep the City in compliance. That is the proposed submission calendar.</p> <p>Mr. Vartan concluded by saying the City would need to submit this as a revised</p>	
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	<p>submission calendar for the Board’s approval at a future meeting.</p> <p>Ms. Carter thanked Mr. Vartan for the progress and she added that she had spoken to Ms. Kelley about updated numbers.</p> <p>Ms. Carter added that an update of the numbers is important because there is a variance between the projected revenue in the Five-Year Plan for 2023 and the projected revenue in the approved 2023 budget.</p> <p>Ms. Carter noted that the January 2023 Act 47 report was received and noted a slight increase in January 2023 revenues year over year.</p>	
<p>Neighborhood Services Fund Discussion</p>	<p>Ms. Carter introduced several guests from the City of Harrisburg. Unfortunately, Mr. Dave West was unable to attend.</p> <p>The Neighborhood Services Fund has long been of interest to the ICA Board. Ms. Carter explained some background.</p> <p>Austin Griffin, Public Works Deputy Director, introduced himself, handed out some performance numbers from the Fourth Quarter of 2022, and talked about the services provided in the Neighborhood Services Fund.</p> <p>Mr. Vartan asked about customer service phone calls and vehicle services.</p> <p>Ms. Carter asked about yard waste.</p> <p>Ms. Speaker MacNett asked about the budget for this fund.</p> <p>Mr. Stonehill asked about the headcount of employees in the department.</p> <p>Ms. Carter noted that despite the uncollected fees, the City continues to collect the waste. Mr. Griffin noted that</p>	

	<p>in Paxtang and Penbrook, the boroughs pay the cost of waste collection whereas in Harrisburg and Steelton, the customers are required to pay directly. However, he noted that in Steelton, the borough helps with unpaid accounts.</p> <p>Mr. Stonehill noted that you cannot stop collection due to public health, and Mr. Griffin agreed that things cannot stop.</p> <p>Ms. Carter noted that the Steelton contract is coming to an end.</p> <p>Mr. Vartan asked about recruitment and retention of employees and asked about vehicle maintenance condition. Mr. Griffin noted high diesel pricing.</p> <p>Mr. Cassidy noted private solid waste contractors are increasing rates as much as 50% over previous rates.</p> <p>Ms. Nicole Williams, Fleet Manager at the City of Harrisburg, introduced herself and explained the vehicle maintenance operation.</p> <p>Ms. Williams was asked about the condition of the fleet. She added that she is trying to analyze the overall costs of each vehicle including maintenance.</p> <p>Mr. Vartan noted that several years ago, the city failed to use the cost of vehicle depreciation in the cost of operations.</p> <p>Mr. Michael Parker, City Clerk for the City of Harrisburg, introduced himself and explained that he was attending in order to participate in the discussion.</p> <p>Mr. John Watson, Highway Department Manager, introduced himself and explained some of the activities of his department including leaf collection and yard waste collections. He went on to explain what CRW collects versus the Highway Department.</p>	
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	<p>He talked about analysis of vehicle costs and taking it into consideration with regard to the borough trash contracts.</p> <p>Ms. Carter asked a bulky waste drop off day.</p> <p>Mr. Hill asked about electronics and appliance recycling.</p> <p>Mr. Vartan asked about investigations into illegal dumping.</p> <p>Mr. Vartan asked if there is any value to the recycled waste. Mr. Griffin said that the city no longer receives payments for recycled materials.</p> <p>Mr. Parker mentioned Councilman Rodriguez's clean up days, which he described as very successful. He also commented on an illegal dumping program that the City had thirty or forty years ago that he thought was very effective.</p> <p>Mr. Griffin noted that LCSWMA waived the tipping fees for the roll-off containers that were filled during Councilman Rodriguez's cleanup days program.</p> <p>Mr. Vartan asked if LCSWMA could waive fees for demolition of blighted and condemned buildings. Mr. Watson said they do give a discount for dropping off materials from the city's blighted building demolition project.</p> <p>Mr. Bryan McCutcheon, Accounting Manager, introduced himself, handed out financial information, and covered a number of subjects in a brief presentation.</p> <p>He discussed the summary of January finances for the Neighborhood Services Fund.</p>	
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	<p>The cash basis fund balance did drop each year, but less in 2022 than 2021. The fund still has \$7.6 million in fund balance.</p> <p>He did note that the city is tracking the costs and revenues for the operations in Penbrook, Paxtang, and Steelton.</p> <p>Mr. Vartan asked about distribution of costs for the three outside boroughs. Mr. McCutcheon responded that they are just cost allocations of payroll, supplies, and direct costs for Steelton, which is for invoicing customers.</p> <p>Mr. Stonehill asked about the eventual depletion of the entire fund balance over time based on the annual operating deficit. Mr. McCutcheon responded that the cash balance is diminishing. Trying to figure that out, is still a concern, explained Mr. McCutcheon. Mr. Vartan asked about the rate of the collection of receivables.</p> <p>The collection rate has improved according to Mr. McCutcheon.</p> <p>Mr. Stonehill asked about how other departments pay for vehicle maintenance. Mr. McCutcheon explained that vehicle maintenance is in the General Fund, but their operations are charged back to other funds like the Neighborhood Services Fund.</p> <p>Ms. Carter noticed this is the first financial report with data from the new finance software.</p> <p>Ms. Carter thanked all the participants for attending.</p> <p>A citizen, Mr. Eric Epstein, asked about uncollected receipts for Neighborhood Services Fund. He asked about funding for transportation equipment. He thanked the group for attending.</p>	
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<p>Authority Manager's Report</p>	<p>Mr. Stonehill reviewed a partial bills paid report explaining that he had been unable to obtain a bank statement until the day of the meeting.</p> <p>Mr. Stonehill mentioned that we now have three appointment letters.</p> <p>The next meeting will be on March 22, 2023.</p>	
<p>Public Comments</p>	<p>Mr. Stonehill introduced Ms. Madra Clay from the Pennsylvania Department of Community and Economic Development.</p> <p>Mr. Eric Epstein talked about deficient bridges in the City of Harrisburg. This issue was raised by the Harrisburg Area Transportation Study (HATS).</p> <p>Mr. Eric Epstein talked about deficient water and sewer issues. This issue was discussed by Capital Region Water (CRW). Mr. Stonehill explained that CRW had previously visited with the ICA Board.</p>	
<p>Adjourn meeting at 5:15 p.m.</p>	<p>Motion by Mr. Hill. A second was not required.</p>	<p>Approved 5-0.</p>

Respectfully submitted:



Jeffrey M. Stonehill, Authority Manager

Appendix Documents



SIGN-IN SHEET

2/22/2023

Required of all attendees for an official record of public participation

Name (please print)	Address	Email	Phone
Eric Lyman	RTC		
Brian Kimmerle	RT		
Madra Chang	DCED	macclay@pa.gov	717.720.7397

Summary of Bills Paid – Intergovernmental Cooperation Authority for Harrisburg

Report – February 22, 2023

***THIS IS NOT A COMPLETE REPORT – BANK RECONCILIATION NOT COMPLETE***

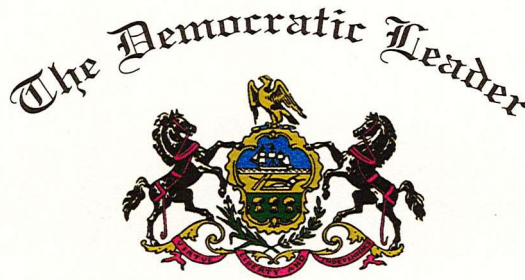
• December 31, 2022 Balance	\$178,510.94	
• Digital Ocean <i>Website software licenses</i>	\$12.72	January 1, 2023
• Digital Ocean <i>Web Host</i>	\$6.87	January 1, 2023
• Pursuit Co-Working Harrisburg <i>Virtual Office Monthly Subscription</i>	\$95.00	January 1, 2023
• Factory 44 <i>Software Licenses</i>	\$300.00	January 2, 2023
• Johnson & Duffie <i>Independent General Counsel</i>	\$2,555.00	January 23, 2023
• MESH PA LLC <i>Authority Manager</i>	\$5,250.00	January 23, 2023
• Digital Ocean <i>Website software licenses</i>	\$12.72	February 1, 2023
• Digital Ocean <i>Web Host</i>	\$6.87	February 1, 2023
• Pursuit Co-Working Harrisburg <i>Virtual Office Monthly Subscription</i>	\$95.00	February 1, 2023
• Johnson & Duffie <i>Independent General Counsel</i>	\$402.50	February 22, 2023
• MESH PA LLC <i>Authority Manager</i>	\$4,200.00	February 22, 2023

Ending balance: \_\_\_\_\_

• Interest earnings Y-T-D	_____
• Fees Y-T-D	\$0

43RD DISTRICT  
STATE SENATOR  
JAY COSTA

- SENATE BOX 203043  
HARRISBURG, PA 17120-3043  
717-787-7683  
FAX: 717-783-5976
- 1501 ARDMORE BOULEVARD  
SUITE 403  
PITTSBURGH, PA 15221  
412-241-6690  
FAX: 412-731-2332
- 4736 LIBERTY AVENUE  
SUITE 1  
PITTSBURGH, PA 15224  
412-578-8457  
FAX: 412-578-9874
- 314 EAST EIGHTH AVENUE  
HOMESTEAD, PA 15120-1592  
412-462-4204  
FAX: 412-462-4543



Senate of Pennsylvania

COMMITTEES

APPROPRIATIONS, EX-OFFICIO  
RULES & EXECUTIVE NOMINATIONS,  
DEMOCRATIC CHAIR  
INTERGOVERNMENTAL OPERATIONS

costa@pasenate.com  
www.senatorcosta.com

February 3, 2023

Jeffrey Stonehill, Authority Manager  
Intergovernmental Cooperation Authority for Harrisburg  
922 N. 3<sup>rd</sup> Street  
Harrisburg, PA 17102

Dear Director Stonehill:

As Democratic Leader of the Senate, it is my pleasure to appoint Elaine Barber to the Intergovernmental Cooperation Authority for Harrisburg. I am sure she will be an asset to the Authority.

Elaine Barber  
1826 Forster Street  
Harrisburg, PA 17103

Thank you for your attention to this matter.

Sincerely,

Jay Costa, Jr.  
Democratic Leader

JC:alh

cc: The Honorable Josh Shapiro  
The Honorable Kim Ward  
The Honorable Mark Rozzi  
The Honorable Bryan Cutler  
Elaine Barber

**CITY OF HARRISBURG**  
**NEIGHBORHOOD SERVICES FUND SUMMARY - REVENUE, EXPENDITURES, AND CHANGE IN FUND BALANCE**  
**For the Month ended January 31, 2023**

<u>DESCRIPTION</u>	<u>Neighborhood Services Fund, main (NSF)</u>	<u>NSF portion for Intergov't Municipalities</u>	<u>NSF - Total Specific Fund</u>	<u>Sanitation Fund (old) for Liens Revenue</u>	<u>Disposal Fund (old) for Liens Revenue</u>	<u>Combined Reporting for NSF</u>
Beginning cash basis fund balance @ 12/31/2022	6,088,532	586,297	<b>6,674,829</b>	69,883	210,724	<b>6,955,436</b>
<b>Revenue</b>						
Total revenue	1,326,913	182,726	<b>1,509,639</b>	13,368	-	<b>1,523,007</b>
<b>Expenditures</b>						
Total expenditures - Public Works, with Parks Maintenance	866,504	19,530	<b>886,034</b>	-	-	<b>886,034</b>
Net Revenue Over (Under) Expenditures	460,409	163,196	<b>623,605</b>	13,368	-	<b>636,973</b>
Ending cash basis fund balance @ 1/31/2023	6,548,941	749,493	<b>7,298,434</b>	83,251	210,724	<b>7,592,409</b>

**CITY OF HARRISBURG**  
**NEIGHBORHOOD SERVICES FUND SUMMARY - REVENUE, EXPENDITURES, AND CHANGE IN FUND BALANCE**  
**For the Year ended December 31, 2022**

<u>DESCRIPTION</u>	<u>Neighborhood Services Fund, main (NSF)</u>	<u>NSF portion for Intergov't Municipalities</u>	<u>NSF - Total Specific Fund</u>	<u>Sanitation Fund (old) for Liens Revenue</u>	<u>Disposal Fund (old) for Liens Revenue</u>	<u>Combined Reporting for NSF</u>
Beginning cash basis fund balance @ 12/31/2021	6,330,314	194,955	<b>6,525,269</b>	69,029	210,724	<b>6,805,022</b>
<b>Revenue</b>						
Total revenue	15,527,869	1,253,426	<b>16,781,295</b>	854	-	<b>16,782,149</b>
<b>Expenditures</b>						
Total expenditures - Public Works, with Parks Maintenance	15,328,159	839,584	<b>16,167,743</b>	-	-	<b>16,167,743</b>
Net Revenue Over (Under) Expenditures	199,710	413,842	<b>613,552</b>	854	-	<b>614,406</b>
Less: occurring disbursements against prior year encumbrances	(441,492)	(22,500)	<b>(463,992)</b>	-	-	<b>(463,992)</b>
Ending cash basis fund balance @ 12/31/2022	6,088,532	586,297	<b>6,674,829</b>	69,883	210,724	<b>6,955,436</b>

**CITY OF HARRISBURG**  
**NEIGHBORHOOD SERVICES FUND SUMMARY - REVENUE, EXPENDITURES, AND CHANGE IN FUND BALANCE**  
**For the Year ended 12/31/2021**

<u>DESCRIPTION</u>	Neighborhood Services Fund, main (NSF)	NSF portion for Intergov't Municipalities	NSF - Total Specific Fund	Sanitation Fund (old) for Liens Revenue	Disposal Fund (old) for Liens Revenue	Combined Reporting for NSF
Beginning cash basis fund balance @ 1/1/2021	6,954,236	(9,728)	<b>6,944,508</b>	(816)	43,631	<b>6,987,323</b>
 <u>Revenue</u>						
Total revenue	15,000,031	1,126,318	<b>16,126,349</b>	69,845	167,093	<b>16,363,287</b>
 <u>Expenditures</u>						
Total expenditures - Public Works, with Parks Maintenance	15,623,953	921,635	<b>16,545,588</b>	-	-	<b>16,545,588</b>
Net Revenue Over (Under) Expenditures	(623,922)	204,683	<b>(419,239)</b>	69,845	167,093	<b>(182,301)</b>
Ending cash basis fund balance @ 12/31/2021	6,330,314	194,955	<b>6,525,269</b>	69,029	210,724	<b>6,805,022</b>

FOR 2023 01

ACCOUNTS FOR:	ORIGINAL APPROP	TRNFRS/ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
25 NEIGHBORHOOD SERVICES							
<b>25100000 REVENUE</b>							
25100000 352000 INT ON INVSTMTS	-50,000	0	-50,000	-19,457.12	.00	-30,542.88	38.9%*
25100000 367007 GARBAGE/REFUSE	-4,599,000	0	-4,599,000	-387,466.98	.00	-4,211,533.02	8.4%*
25100000 367009 OTHER COLLECTIO	-7,500	0	-7,500	-600.00	.00	-6,900.00	8.0%*
25100000 367040 SANITATION ESCR	-2,000	0	-2,000	-38.68	.00	-1,961.32	1.9%*
25100000 367051 COLLECTION LIEN	-50,000	0	-50,000	.00	.00	-50,000.00	.0%*
25100000 367052 COLLECTION LIEN	-7,300	0	-7,300	.00	.00	-7,300.00	.0%*
25100000 368004 READY TO DISPOS	-10,631,000	0	-10,631,000	-886,823.77	.00	-9,744,176.23	8.3%*
25100000 368040 DISPOSAL ESCROW	-15,000	0	-15,000	-97.65	.00	-14,902.35	.7%*
25100000 368051 DISPOSAL LIENS	-225,000	0	-225,000	-9,529.47	.00	-215,470.53	4.2%*
25100000 368052 DISPOSAL LIENS	-26,700	0	-26,700	-4,910.12	.00	-21,789.88	18.4%*
25100000 380005 DEMOLITION COLL	-40,000	0	-40,000	.00	.00	-40,000.00	.0%*
25100000 382000 CONTRIBUTIONS/D	-5,000	0	-5,000	.00	.00	-5,000.00	.0%*
25100000 385005 REFUSE TONNAGE	-75,000	0	-75,000	.00	.00	-75,000.00	.0%*
25100000 385018 MEDICAL-EMPLOYE	-200,000	0	-200,000	-17,989.57	.00	-182,010.43	9.0%*
25100000 385090 MISCELLANEOUS	-10,000	0	-10,000	.00	.00	-10,000.00	.0%*
25100000 396000 GRANT PROCEEDS	-50,000	0	-50,000	.00	.00	-50,000.00	.0%*
25100000 398011 INTERFUND - STA	-350,000	0	-350,000	.00	.00	-350,000.00	.0%*
25100000 398051 INTERFD-SPEC EV	-250,000	0	-250,000	.00	.00	-250,000.00	.0%*
25100000 398054 INTERFD-PARKS/R	-150,000	0	-150,000	.00	.00	-150,000.00	.0%*
25100000 398060 INTERFUND - CAP	-595,000	0	-595,000	.00	.00	-595,000.00	.0%*
25100000 399099 ESTIMATED CASH	-1,516,487	0	-1,516,487	.00	.00	-1,516,487.00	.0%*
TOTAL UNDEFINED ROLLUP CODE	-18,854,987	0	-18,854,987	-1,326,913.36	.00	-17,528,073.64	7.0%
TOTAL REVENUE	-18,854,987	0	-18,854,987	-1,326,913.36	.00	-17,528,073.64	7.0%

# YEAR-TO-DATE BUDGET REPORT

FOR 2023 01

ACCOUNTS FOR: 25	NEIGHBORHOOD SERVICES	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
<b>25675640 NSF - STEELTON</b>								
25675640	390001 STEELTON ADMIN	-11,000	0	-11,000	-2,007.00	.00	-8,993.00	18.2%*
25675640	390003 STEELTON SPECIA	-300	0	-300	.00	.00	-300.00	.0%*
25675640	390004 STEELTON REFUSE	-720,000	0	-720,000	-138,474.11	.00	-581,525.89	19.2%*
TOTAL UNDEFINED ROLLUP CODE		-731,300	0	-731,300	-140,481.11	.00	-590,818.89	19.2%
TOTAL NSF - STEELTON		-731,300	0	-731,300	-140,481.11	.00	-590,818.89	19.2%



FOR 2023 01

ACCOUNTS FOR: 25	NEIGHBORHOOD SERVICES	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL	
<b>25676640 NSF - PENBROOK</b>									
25676640	390007	PENBROOK REFUSE	-319,800	0	-319,800	-26,876.30	.00	-292,923.70	8.4%*
25676640	390008	PENBROOK SPECIA	-3,625	0	-3,625	.00	.00	-3,625.00	.0%*
TOTAL UNDEFINED ROLLUP CODE			-323,425	0	-323,425	-26,876.30	.00	-296,548.70	8.3%
TOTAL NSF - PENBROOK			-323,425	0	-323,425	-26,876.30	.00	-296,548.70	8.3%

FOR 2023 01

ACCOUNTS FOR:	ORIGINAL APPROP	TRANFRS/ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
25 NEIGHBORHOOD SERVICES							
<b>25677640 NSF - PAXTANG</b>							
25677640 390011 PAXTANG REFUSE/	-185,000	0	-185,000	-15,368.85	.00	-169,631.15	8.3%*
TOTAL NSF - PAXTANG	-185,000	0	-185,000	-15,368.85	.00	-169,631.15	8.3%
TOTAL NEIGHBORHOOD SERVICES	-20,094,712	0	-20,094,712	-1,509,639.62	.00	-18,585,072.38	7.5%
TOTAL REVENUES	-20,094,712	0	-20,094,712	-1,509,639.62	.00	-18,585,072.38	

FOR 2023 01

ACCOUNTS FOR:	ORIGINAL APPROP	TRANFRS/ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
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25660000 NEIGHBORHOOD SERVICES-CITY SVC

25600 PUBLIC WORKS (OTHER)

25660000 453004 EQUIPMENT - VEH	877,000	0	877,000	.00	3,926.48	873,073.52	.4%
25660000 453049 LEASE PURCHASE	85,251	0	85,251	.00	.00	85,251.00	.0%
25660000 453099 EQUIPMENT - OTH	100,000	0	100,000	.00	.00	100,000.00	.0%
<b>TOTAL PUBLIC WORKS (OTHER)</b>	<b>1,062,251</b>	<b>0</b>	<b>1,062,251</b>	<b>.00</b>	<b>3,926.48</b>	<b>1,058,324.52</b>	<b>.4%</b>

2560P PUBLIC WORKS (PERSONNEL)

25660000 414000 SALARIES AND WA	3,179,632	0	3,179,632	233,651.98	.00	2,945,980.02	7.3%
25660000 414002 SIGNING BONUS	0	0	0	52,875.00	.00	-52,875.00	100.0%
25660000 416000 OVERTIME	193,740	0	193,740	28,408.85	.00	165,331.15	14.7%
25660000 417000 SICK LEAVE/VACA	11,000	0	11,000	.00	.00	11,000.00	.0%
25660000 419001 SOCIAL SECURITY	268,949	0	268,949	23,322.15	.00	245,626.85	8.7%
25660000 419002 MEDICAL	1,043,218	0	1,043,218	144.73	.00	1,043,073.27	.0%
25660000 419005 SEVERANCE PAY	70,000	0	70,000	.00	.00	70,000.00	.0%
25660000 419010 UNEMPLOYMT COMP	15,000	0	15,000	.00	.00	15,000.00	.0%
25660000 419011 WORKERS' COMP A	5,000	0	5,000	.00	.00	5,000.00	.0%
25660000 419012 LOSS TIME AND M	145,000	0	145,000	.00	.00	145,000.00	.0%
25660000 419025 NON-UNIFORM PEN	288,688	0	288,688	.00	.00	288,688.00	.0%
<b>TOTAL PUBLIC WORKS (PERSONNEL)</b>	<b>5,220,227</b>	<b>0</b>	<b>5,220,227</b>	<b>338,402.71</b>	<b>.00</b>	<b>4,881,824.29</b>	<b>6.5%</b>

2560S PUBLIC WORKS (SERVICES)

25660000 420010 ADVERTISING	500	0	500	.00	.00	500.00	.0%
25660000 420020 PRINTING	45,000	0	45,000	.00	20,970.35	24,029.65	46.6%
25660000 420040 TELECOMMUNICATI	41,000	0	41,000	1,251.08	.00	39,748.92	3.1%
25660000 420050 POSTAGE	250	0	250	.00	.00	250.00	.0%
25660000 421010 LEGAL	50,000	0	50,000	.00	25,000.00	25,000.00	50.0%
25660000 421030 CONSULTING	58,000	0	58,000	1,022.94	.00	56,977.06	1.8%
25660000 421040 COLLECTIONS - 0	2,000	0	2,000	.00	.00	2,000.00	.0%
25660000 421070 ARBITRATION	5,000	0	5,000	.00	.00	5,000.00	.0%
25660000 421080 FILING FEES	8,000	0	8,000	.00	.00	8,000.00	.0%

**FOR 2023 01**

ACCOUNTS FOR:	ORIGINAL APPROP	TRANFRS/ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
25 NEIGHBORHOOD SERVICES							
25660000 422000 SEWERAGE	40,000	0	40,000	648.56	.00	39,351.44	1.6%
25660000 422010 WATER	142,000	0	142,000	6,380.29	.00	135,619.71	4.5%
25660000 422020 ELECTRICITY	72,000	0	72,000	.00	.00	72,000.00	.0%
25660000 422030 HEAT	90,000	0	90,000	6,879.56	.00	83,120.44	7.6%
25660000 422040 PROPERTY TAXES	4,000	0	4,000	.00	.00	4,000.00	.0%
25660000 422060 POWER - STREET	62,961	0	62,961	.00	.00	62,961.00	.0%
25660000 422080 SEWER MAINT CHA	0	0	0	12,269.62	.00	-12,269.62	100.0%
25660000 422090 REFUSE	1,200	0	1,200	.00	.00	1,200.00	.0%
25660000 422091 DISPOSAL	6,800,000	0	6,800,000	275,698.29	.00	6,524,301.71	4.1%
25660000 422093 RECYCLING DISPO	135,000	0	135,000	12,073.60	.00	122,926.40	8.9%
25660000 422094 COMPOSTING DISP	94,000	0	94,000	500.00	.00	93,500.00	.5%
25660000 423002 STOP LOSS PREMI	49,402	0	49,402	.00	.00	49,402.00	.0%
25660000 423010 AUTOMOBILE PREM	26,597	0	26,597	6,389.53	.00	20,207.47	24.0%
25660000 423011 AUTO DEDUCTIBLE	27,563	0	27,563	1,000.00	.00	26,563.00	3.6%
25660000 423020 GENERAL LIABILI	29,327	0	29,327	7,045.35	.00	22,281.65	24.0%
25660000 423023 LIABILITY SETTLE	250,000	0	250,000	.00	.00	250,000.00	.0%
25660000 423040 PROPERTY AND CR	45,726	0	45,726	.00	.00	45,726.00	.0%
25660000 423050 INLAND MARINE	4,876	0	4,876	.00	.00	4,876.00	.0%
25660000 423095 EXCESS LIABILITY	26,734	0	26,734	6,422.46	.00	20,311.54	24.0%
25660000 424060 OTHER RENTALS	25,000	0	25,000	.00	.00	25,000.00	.0%
25660000 424061 UNIFORM RENTALS	70,000	0	70,000	1,498.65	32,000.00	36,501.35	47.9%
25660000 425010 VEHICULAR EQUIP	140,410	0	140,410	5,758.55	20,000.00	114,651.45	18.3%
25660000 425090 MAINTENANCE SVC	80,000	0	80,000	.00	.00	80,000.00	.0%
25660000 429001 TUITION/TRAININ	12,000	0	12,000	.00	.00	12,000.00	.0%
25660000 429009 ADMINISTRATIVE	700	0	700	.00	.00	700.00	.0%
25660000 429011 DEMOLITION AND	500,000	0	500,000	.00	.00	500,000.00	.0%
25660000 429014 CONTRACTED PERS	8,000	0	8,000	.00	.00	8,000.00	.0%
25660000 429018 PERMITS AND/OR	7,000	0	7,000	.00	5,000.00	2,000.00	71.4%
25660000 429090 MISC CONTRACTED	734,000	0	734,000	856.86	.00	733,143.14	.1%
25660000 429095 BANK SERVICE CH	30	0	30	.00	.00	30.00	.0%
<b>TOTAL PUBLIC WORKS (SERVICES)</b>	<b>9,688,276</b>	<b>0</b>	<b>9,688,276</b>	<b>345,695.34</b>	<b>102,970.35</b>	<b>9,239,610.31</b>	<b>4.6%</b>

**25600 PUBLIC WORKS (SUPPLIES)**

25660000 430001 EDUCATIONAL	7,000	0	7,000	.00	.00	7,000.00	.0%
25660000 430002 SOFTWARE	35,000	0	35,000	.00	26,471.09	8,528.91	75.6%
25660000 430009 OFFICE	15,000	0	15,000	.00	.00	15,000.00	.0%
25660000 430012 PERSONAL SAFETY	20,000	0	20,000	598.97	5,000.00	14,401.03	28.0%
25660000 430014 WEARING APPAREL	12,000	0	12,000	1,010.46	5,000.00	5,989.54	50.1%
25660000 430030 SNOW CONTROL	0	0	0	24,554.06	.00	-24,554.06	100.0%
25660000 430031 ASPHALT	70,000	0	70,000	.00	.00	70,000.00	.0%

FOR 2023 01

ACCOUNTS FOR: 25	NEIGHBORHOOD SERVICES	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED	
25660000	430042	TOOLS AND HARDW	40,000	0	40,000	4,819.42	17,250.00	17,930.58	55.2%
25660000	430050	MOTOR FUELS/LUB	64,431	0	64,431	.00	.00	64,431.00	.0%
25660000	430051	TIRES AND BATTE	30,000	0	30,000	.00	.00	30,000.00	.0%
25660000	430052	VEHICLE PARTS A	25,000	0	25,000	25,052.52	.00	-52.52	100.2%
25660000	430063	DEMOLITION SUPP	25,000	0	25,000	11,042.23	24,318.18	-10,360.41	141.4%
25660000	430064	COMMERCIAL TRAS	10,000	0	10,000	.00	.00	10,000.00	.0%
25660000	430065	RESIDENT RECYCL	7,400	0	7,400	688.00	.00	6,712.00	9.3%
25660000	430066	RESIDENT TRASH	35,000	0	35,000	.00	.00	35,000.00	.0%
25660000	430067	COMMERCIAL RECY	7,600	0	7,600	.00	.00	7,600.00	.0%
25660000	430099	MISC SUPPLIES A	60,000	0	60,000	.00	6,000.00	54,000.00	10.0%
25660000	439015	OFFICE EQUIPMT	16,000	0	16,000	951.14	7,000.00	8,048.86	49.7%
25660000	439020	BUILDINGS AND S	25,000	0	25,000	.00	.00	25,000.00	.0%
25660000	439099	MISC EQUIPMENT-	30,000	0	30,000	3,644.67	9,250.00	17,105.33	43.0%
TOTAL PUBLIC WORKS (SUPPLIES)		534,431	0	534,431	72,361.47	100,289.27	361,780.26	32.3%	
TOTAL NEIGHBORHOOD SERVICES-CITY SVC		16,505,185	0	16,505,185	756,459.52	207,186.10	15,541,539.38	5.8%	

FOR 2023 01								
ACCOUNTS FOR:	ORIGINAL	TRANFRS/	REVISED				AVAILABLE	PCT
25 NEIGHBORHOOD SERVICES	APPROP	ADJSTMTS	BUDGET	YTD EXPENDED	ENCUMBRANCES		BUDGET	USED
<b>25675640 NSF - STEELTON</b>								
<b>25750 BORO OF STEELTON (OTHER)</b>								
25675640 453004 EQUIPMENT - VEH	201,000	0	201,000	.00	.00		201,000.00	.0%
TOTAL BORO OF STEELTON (OTHER)	201,000	0	201,000	.00	.00		201,000.00	.0%
<b>2575P BORO OF STEELTON (PERSONNEL)</b>								
25675640 414000 SALARIES AND WA	159,600	0	159,600	.00	.00		159,600.00	.0%
25675640 419001 SOCIAL SECURITY	12,094	0	12,094	.00	.00		12,094.00	.0%
25675640 419002 MEDICAL	34,000	0	34,000	.00	.00		34,000.00	.0%
TOTAL BORO OF STEELTON (PERSONNEL)	205,694	0	205,694	.00	.00		205,694.00	.0%
<b>2575S BORO OF STEELTON (SERVICES)</b>								
25675640 420020 PRINTING SERVIC	0	0	0	.00	1,641.72		-1,641.72	100.0%
25675640 422091 DISPOSAL	248,400	0	248,400	9,730.81	.00		238,669.19	3.9%
25675640 422093 RECYCLING DISPO	5,000	0	5,000	.00	.00		5,000.00	.0%
25675640 422098 STEELTON ADMIN	10,800	0	10,800	2,133.77	.00		8,666.23	19.8%
25675640 424061 UNIFORM RENTALS	3,000	0	3,000	.00	.00		3,000.00	.0%
25675640 425010 VEHICULAR EQUIP	6,200	0	6,200	.00	.00		6,200.00	.0%
TOTAL BORO OF STEELTON (SERVICES)	273,400	0	273,400	11,864.58	1,641.72		259,893.70	4.9%
<b>2575U BORO OF STEELTON (SUPPLIES)</b>								
25675640 430002 SOFTWARE	9,315	0	9,315	754.26	.00		8,560.74	8.1%
25675640 430012 PERSONAL SAFETY	3,000	0	3,000	.00	.00		3,000.00	.0%
25675640 430014 WEARING APPAREL	3,105	0	3,105	.00	.00		3,105.00	.0%
25675640 430050 MOTOR FUELS/LUB	19,500	0	19,500	.00	.00		19,500.00	.0%
TOTAL BORO OF STEELTON (SUPPLIES)	34,920	0	34,920	754.26	.00		34,165.74	2.2%
TOTAL NSF - STEELTON	715,014	0	715,014	12,618.84	1,641.72		700,753.44	2.0%

**FOR 2023 01**

ACCOUNTS FOR:	ORIGINAL APPROP	TRANFRS/ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
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25 NEIGHBORHOOD SERVICES

**25676640 NSF - PENBROOK**

**25760 BORO OF PENBROOK (OTHER)**

25676640 453004 EQUIPMENT - VEH	57,000	0	57,000	.00	.00	57,000.00	.0%
<b>TOTAL BORO OF PENBROOK (OTHER)</b>	<b>57,000</b>	<b>0</b>	<b>57,000</b>	<b>.00</b>	<b>.00</b>	<b>57,000.00</b>	<b>.0%</b>

**2576P BORO OF PENBROOK (PERSONNEL)**

25676640 414000 SALARIES AND WA	58,898	0	58,898	.00	.00	58,898.00	.0%
25676640 419001 SOCIAL SECURITY	4,506	0	4,506	.00	.00	4,506.00	.0%
25676640 419002 MEDICAL	12,000	0	12,000	.00	.00	12,000.00	.0%
<b>TOTAL BORO OF PENBROOK (PERSONNEL)</b>	<b>75,404</b>	<b>0</b>	<b>75,404</b>	<b>.00</b>	<b>.00</b>	<b>75,404.00</b>	<b>.0%</b>

**2576S BORO OF PENBROOK (SERVICES)**

25676640 422091 DISPOSAL	107,640	0	107,640	4,322.52	.00	103,317.48	4.0%
25676640 422093 RECYCLING DISPO	4,000	0	4,000	.00	.00	4,000.00	.0%
25676640 424060 OTHER RENTALS	59,000	0	59,000	.00	.00	59,000.00	.0%
25676640 424061 UNIFORM RENTALS	2,000	0	2,000	.00	.00	2,000.00	.0%
25676640 425010 VEHICULAR EQUIP	6,000	0	6,000	.00	.00	6,000.00	.0%
<b>TOTAL BORO OF PENBROOK (SERVICES)</b>	<b>178,640</b>	<b>0</b>	<b>178,640</b>	<b>4,322.52</b>	<b>.00</b>	<b>174,317.48</b>	<b>2.4%</b>

**2576U BORO OF PENBROOK (SUPPLIES)**

25676640 430012 PERSONAL SAFETY	400	0	400	.00	.00	400.00	.0%
25676640 430014 WEARING APPAREL	104	0	104	.00	.00	104.00	.0%
25676640 430050 MOTOR FUELS/LUB	3,400	0	3,400	.00	.00	3,400.00	.0%
25676640 430065 RESIDENT RECYCL	4,050	0	4,050	.00	.00	4,050.00	.0%
25676640 430066 RESIDENT TRASH	4,050	0	4,050	.00	.00	4,050.00	.0%

**TOTAL BORO OF PENBROOK (SUPPLIES)** 12,004 0 12,004 .00 .00 12,004.00 .0%

**TOTAL NSF - PENBROOK** 323,048 0 323,048 4,322.52 .00 318,725.48 1.3%

FOR 2023 01								
ACCOUNTS FOR:	ORIGINAL	TRANFRS/	REVISED	YTD EXPENDED	ENCUMBRANCES	AVAILABLE	PCT	
25 NEIGHBORHOOD SERVICES	APPROP	ADJSTMTS	BUDGET			BUDGET	USED	
<b>25677640 NSF - PAXTANG</b>								
<b>25770 BORO OF PAXTANG (OTHER)</b>								
25677640 453004 EQUIPMENT - VEH	26,321	0	26,321	.00	.00	26,321.00	.0%	
TOTAL BORO OF PAXTANG (OTHER)	26,321	0	26,321	.00	.00	26,321.00	.0%	
<b>2577P BORO OF PAXTANG (PERSONNEL)</b>								
25677640 414000 SALARIES AND WA	43,265	0	43,265	.00	.00	43,265.00	.0%	
25677640 419001 SOCIAL SECURITY	3,310	0	3,310	.00	.00	3,310.00	.0%	
25677640 419002 MEDICAL	8,200	0	8,200	.00	.00	8,200.00	.0%	
TOTAL BORO OF PAXTANG (PERSONNEL)	54,775	0	54,775	.00	.00	54,775.00	.0%	
<b>2577S BORO OF PAXTANG (SERVICES)</b>								
25677640 422091 DISPOSAL	51,750	0	51,750	2,588.44	.00	49,161.56	5.0%	
25677640 422093 RECYCLING DISPO	2,000	0	2,000	.00	.00	2,000.00	.0%	
25677640 424060 OTHER RENTALS	34,000	0	34,000	.00	.00	34,000.00	.0%	
25677640 424061 UNIFORM RENTALS	1,000	0	1,000	.00	.00	1,000.00	.0%	
25677640 425010 VEHICULAR EQUIP	3,000	0	3,000	.00	.00	3,000.00	.0%	
TOTAL BORO OF PAXTANG (SERVICES)	91,750	0	91,750	2,588.44	.00	89,161.56	2.8%	
<b>2577U BORO OF PAXTANG (SUPPLIES)</b>								
25677640 430012 PERSONAL SAFETY	500	0	500	.00	.00	500.00	.0%	
25677640 430014 WEARING APPAREL	518	0	518	.00	.00	518.00	.0%	
25677640 430050 MOTOR FUELS/LUB	3,200	0	3,200	.00	.00	3,200.00	.0%	
25677640 430065 RESIDENT RECYCL	3,900	0	3,900	.00	.00	3,900.00	.0%	
25677640 430066 RESIDENT TRASH	3,900	0	3,900	.00	.00	3,900.00	.0%	
TOTAL BORO OF PAXTANG (SUPPLIES)	12,018	0	12,018	.00	.00	12,018.00	.0%	
TOTAL NSF - PAXTANG	184,864	0	184,864	2,588.44	.00	182,275.56	1.4%	



FOR 2023 01

ACCOUNTS FOR:	ORIGINAL APPROP	TRANFRS/ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
25 NEIGHBORHOOD SERVICES							
<b>25880830 NSF - PARKS MAINTENANCE</b>							
<b>25800 PARKS, REC &amp; FAC (OTHER)</b>							
25880830 452008 BUILDING IMPROV	7,000	0	7,000	.00	.00	7,000.00	.0%
25880830 453099 EQUIPMENT - OTH	400,000	0	400,000	.00	35,760.00	364,240.00	8.9%
TOTAL PARKS, REC & FAC (OTHER)	407,000	0	407,000	.00	35,760.00	371,240.00	8.8%
<b>2580P PARKS, REC &amp; FAC (PERSONNEL)</b>							
25880830 414000 SALARIES AND WA	1,239,820	0	1,239,820	72,149.02	.00	1,167,670.98	5.8%
25880830 414002 SIGNING BONUS	0	0	0	19,125.00	.00	-19,125.00	100.0%
25880830 415000 TEMPORARY	30,464	0	30,464	.00	.00	30,464.00	.0%
25880830 416000 OVERTIME	56,250	0	56,250	1,470.60	.00	54,779.40	2.6%
25880830 419001 SOCIAL SECURITY	101,493	0	101,493	6,782.17	.00	94,710.83	6.7%
TOTAL PARKS, REC & FAC (PERSONNEL)	1,428,027	0	1,428,027	99,526.79	.00	1,328,500.21	7.0%
<b>2580S PARKS, REC &amp; FAC (SERVICES)</b>							
25880830 420010 ADVERTISING SER	1,500	0	1,500	.00	.00	1,500.00	.0%
25880830 420020 PRINTING SERVIC	300	0	300	.00	.00	300.00	.0%
25880830 424060 OTHER RENTALS	5,000	0	5,000	.00	.00	5,000.00	.0%
25880830 424061 UNIFORM RENTALS	20,000	0	20,000	.00	15,000.00	5,000.00	75.0%
25880830 425010 VEHICULAR EQUIP	10,000	0	10,000	.00	.00	10,000.00	.0%
25880830 425030 BUILDING MAINTE	10,000	0	10,000	.00	.00	10,000.00	.0%
25880830 425090 MAINTENANCE SVC	81,125	0	81,125	.00	6,560.00	74,565.00	8.1%
25880830 429001 TUITION/TRAININ	11,000	0	11,000	693.03	.00	10,306.97	6.3%
25880830 429015 TRAVEL	3,000	0	3,000	.00	.00	3,000.00	.0%
25880830 429016 CONFERENCES	3,000	0	3,000	.00	.00	3,000.00	.0%
25880830 429017 MEMBERSHIPS	1,500	0	1,500	.00	.00	1,500.00	.0%
25880830 429090 MISC CONTRACTED	130,000	0	130,000	9,000.00	30,059.80	90,940.20	30.0%
TOTAL PARKS, REC & FAC (SERVICES)	276,425	0	276,425	9,693.03	51,619.80	215,112.17	22.2%
<b>2580U PARKS, REC &amp; FAC (SUPPLIES)</b>							
25880830 430001 EDUCATIONAL	1,000	0	1,000	.00	.00	1,000.00	.0%

FOR 2023 01

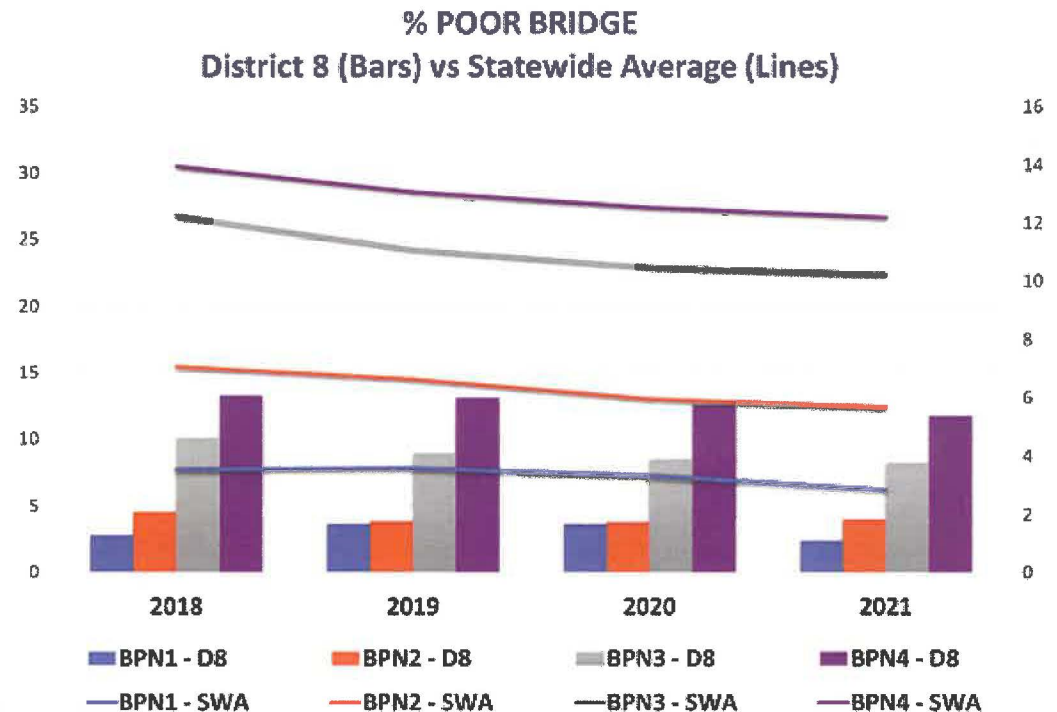
ACCOUNTS FOR: 25	NEIGHBORHOOD SERVICES	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED	
25880830	430002	SOFTWARE	1,200	0	1,200	.00	.00	1,200.00	.0%
25880830	430009	OFFICE SUPPLIES	2,800	0	2,800	.00	.00	2,800.00	.0%
25880830	430011	CUSTODIAL SUPPL	11,000	0	11,000	.00	.00	11,000.00	.0%
25880830	430012	PERSONAL SAFETY	12,000	0	12,000	79.96	.00	11,920.04	.7%
25880830	430014	WEARING APPAREL	1,500	0	1,500	.00	.00	1,500.00	.0%
25880830	430029	BUILDING MAINT	30,000	0	30,000	662.27	.00	29,337.73	2.2%
25880830	430032	CONCRETE	1,750	0	1,750	.00	.00	1,750.00	.0%
25880830	430037	CHEMICALS	2,200	0	2,200	.00	.00	2,200.00	.0%
25880830	430040	BOTANICAL	80,000	0	80,000	.00	.00	80,000.00	.0%
25880830	430041	PLAYGROUND/POOL	4,500	0	4,500	.00	.00	4,500.00	.0%
25880830	430042	TOOLS AND HARDW	10,000	0	10,000	.00	.00	10,000.00	.0%
25880830	430050	MOTOR FUELS/LUB	500	0	500	.00	.00	500.00	.0%
25880830	430051	TIRES AND BATTE	3,500	0	3,500	.00	.00	3,500.00	.0%
25880830	430052	VEH/EQUIP PARTS	8,000	0	8,000	.00	.00	8,000.00	.0%
25880830	430099	MISC SUPPLIES A	57,100	0	57,100	.00	.00	57,100.00	.0%
25880830	439015	OFFICE EQUIPMT	7,800	0	7,800	82.48	.00	7,717.52	1.1%
25880830	439099	MISC EQUIPMENT-	3,500	0	3,500	.00	.00	3,500.00	.0%
TOTAL PARKS, REC & FAC (SUPPLIES)		238,350	0	238,350	824.71	.00	237,525.29	.3%	
TOTAL NSF - PARKS MAINTENANCE		2,349,802	0	2,349,802	110,044.53	87,379.80	2,152,377.67	8.4%	
TOTAL NEIGHBORHOOD SERVICES		20,077,913	0	20,077,913	886,033.85	296,207.62	18,895,671.53	5.9%	
TOTAL EXPENSES		20,077,913	0	20,077,913	886,033.85	296,207.62	18,895,671.53		

4<sup>th</sup> Qtr 2022

Fourth Quarter Report October 1, 2022 - December 31, 2022		
	TONS	TOTAL
<b>Municipal Waste</b>		
Harrisburg	6591.46	90.16%
Steelton	377.27	5.16%
Penbrook	201.69	2.76%
Paxtang	140.03	1.92%
		7310.45
<b>Recycling</b>		
Harrisburg	369.36	76.04%
Steelton	57.04	11.74%
Penbrook	28.14	5.79%
Paxtang	31.19	6.4%
		485.73
<b>Billing</b>		
Phone Calls		2,071
Emails		962
<b>Highway</b>		
Illegal Dumping	89.93	
Bulk	10.63	
Yard Waste	34.74	
<b>Vehicle Maintenance</b>		
Vehicles Serviced		272

# BRIDGE PLANNING

- Derek Mitch, P.E., District Bridge Engineer – Background
- Emphasis has switched from lowering number of “poor” bridge to a Lowest Life Cycle Cost.
- Taking a deeper look at our bridge program.
- LLC is based on “risk score”.



# BRIDGE PLANNING

## Bridge Risk Score Calculation

The risk score for each bridge is calculated using the formula below. Appendix Table J.2 defines the factors and the parameters that determine factor values.

$$\text{Bridge Risk} = (\sqrt{\text{Deck Area} * \text{Annual Average Daily Traffic}}) * F_s * F_{fc} * F_{det} * F_{aadtt} * F_{flood}$$

Appendix Table J.2: Bridge Risk Score Factors

Factor	Definition	Parameter	Factor Value
<b>F<sub>s</sub></b>	Scour Factor	Scour Rating = A	1.2
		Scour Rating ≠ A	1.0
<b>F<sub>fc</sub></b>	Fracture Critical Factor	Fracture Critical Rating < 5	1.4
		Fracture Critical Rating ≥ 5	1.0
<b>F<sub>det</sub></b>	Detour Length Factor	Detour Length > 30 miles	2.0
		Detour Length ≥ 10 miles	1.5
		Detour Length < 10 miles	1.0
<b>F<sub>aadtt</sub></b>	Annual Average Daily Truck Traffic Factor	Truck traffic > 20% total traffic	2.0
		Truck traffic ≥ 10% total traffic	1.5
		Truck traffic < 10% total traffic	1.0
<b>F<sub>flood</sub></b>	Bridge Closed for Flooding Event Factor	Bridge has been closed for flooding	3.0
		Bridge has been overtopped due to flooding	1.5
		Bridge has not been closed or overtopped due to flooding	1.0



# BRIDGE PLANNING

- Condition Rating (CR) 9 → Brand new
- Condition Rating (CR) 4 → Poor
- Condition Rating (CR) 0 → Collapsed in river
- A quick look at CR tells the story - a “wave” coming

## Treat Network by CR – Examine Next 30 Years

- CR = 0-2, Deck Area = 16,192 → Needs Replacement (5 years)
- CR = 3, Deck Area = 434,201 → Needs Replacement (10 years)
- CR = 4, Deck Area = 522,953 → Needs Replacement (15 years)
- CR = 5, Deck Area = 6,834,689 → Needs Rehab (15 years)
- CR = 6, Deck Area = 3,010,595 → Needs Rehab (25 years)
- CR = 7, Deck Area = 2,405,674 → Needs Preservation (15 years)
- CR = 8, Deck Area = 518,795 → Needs Preservation (25 years)
- CR = 9, Deck Area = 62,563 → Needs Preservation (40 years)



# BRIDGE PLANNING

- Bridge design life ~75 years
- Eisenhower Interstate System – started 1956, ended 1972
- $1956 + 75 = 2031$ ,  $1972 + 75 = 2047$
- 61% of our network in 1950-1979

Deck area by Year built

	Adams	Cumberland	Dauphin	Franklin	Lancaster	Lebanon	Perry	York	Total
<b>Before 1929</b>	39,799.60	38,866.90	310,331.10	34,323.90	370,681.30	10,585.00	37,127.70	38,931.70	880,647.21
<b>1930-39</b>	39,470.40	29,984.70	141,061.31	59,610.30	98,780.70	40,290.50	78,018.30	119,943.40	607,159.62
<b>1940-49</b>	45,020.90	10,788.80	82,812.90	44,378.90	163,229.70	78,598.30	19,726.10	77,995.90	522,551.51
<b>1950-59</b>	53,002.00	66,973.00	510,886.40	41,055.30	203,651.51	14,597.90	132,319.90	646,443.52	1,668,929.52
<b>1960-69</b>	188,054.80	670,364.31	1,221,608.81	259,340.11	553,047.41	330,182.21	182,685.60	196,419.50	3,601,702.77
<b>1970-79</b>	8,619.90	306,924.21	1,768,922.20	39,376.80	1,213,390.27	31,411.00	0.00	221,574.00	3,590,218.38
<b>1980-89</b>	39,369.10	50,909.60	383,495.51	45,252.40	134,534.50	25,648.40	9,732.50	97,815.50	786,757.52
<b>1990-99</b>	59,398.20	202,012.20	150,322.80	18,469.10	136,783.91	8,675.20	11,632.20	32,825.30	620,118.91
<b>2000-09</b>	50,049.40	74,398.20	30,321.70	55,438.10	487,132.62	138,792.21	45,588.40	157,955.41	1,039,676.04
<b>2010+</b>	120,145.40	220,978.51	141,533.80	136,124.80	240,241.11	74,223.50	40,084.80	321,177.61	1,294,509.54
<b>Total</b>	<b>642,929.71</b>	<b>1,672,200.43</b>	<b>4,741,296.54</b>	<b>733,369.72</b>	<b>3,601,473.03</b>	<b>753,004.23</b>	<b>556,915.51</b>	<b>1,911,081.85</b>	<b>14,612,271.02</b>



# BRIDGE PLANNING

- Bridge design life ~75 years
- Eisenhower Interstate System – started 1956, ended 1972
- $1956 + 75 = 2031$ ,  $1972 + 75 = 2047$
- 61% of our network in 1950-1979

Poor Deck Area by Year Built

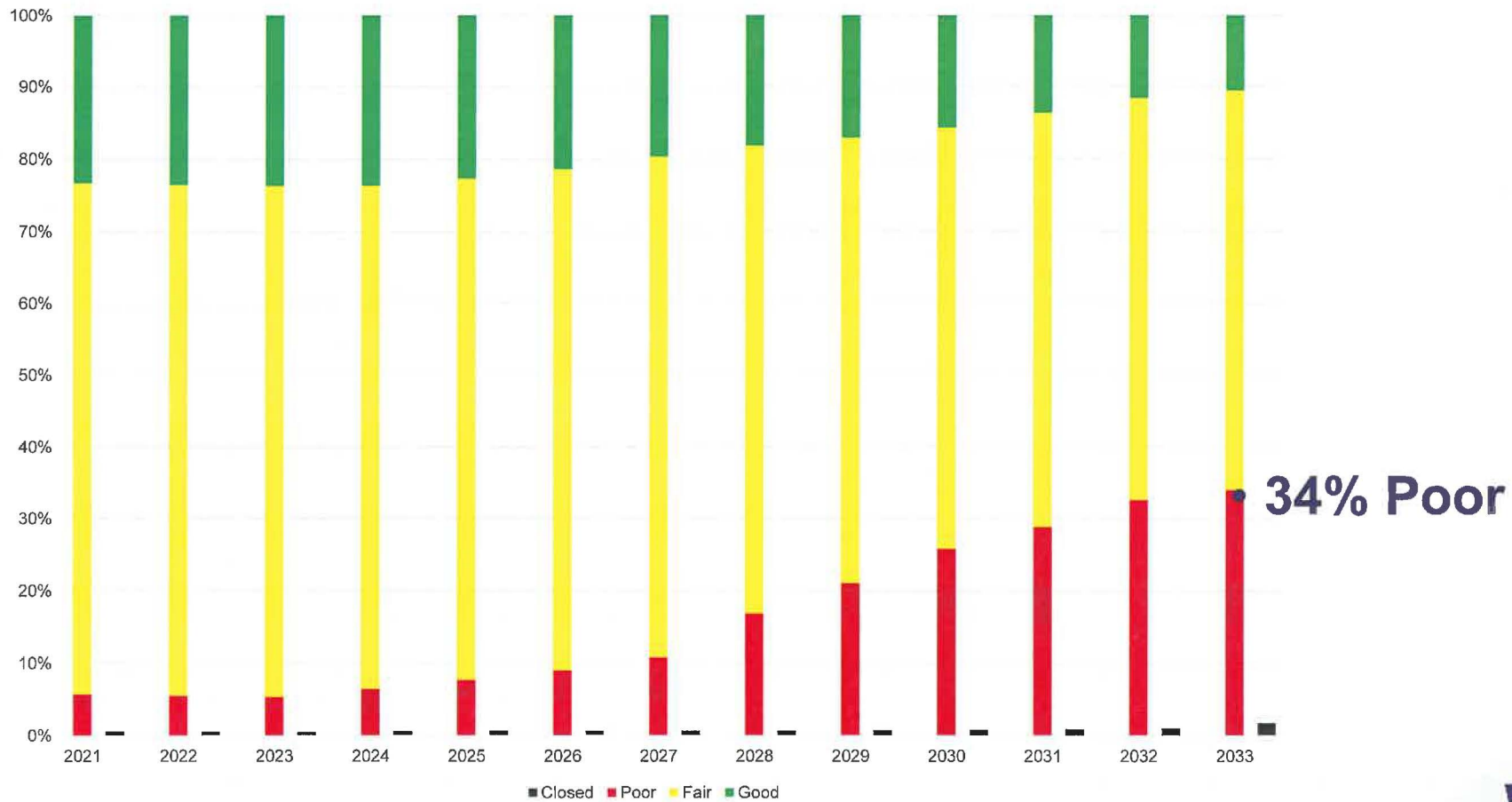
	Adams	Cumberland	Dauphin	Franklin	Lancaster	Lebanon	Perry	York	Total
<b>Before 1929</b>	8,474.80	6,928.50	97,970.20	5,381.90	19,381.00	2,749.80	9,673.90	6,128.30	156,688.40
<b>1930-39</b>	5,241.70	1,719.60	3,385.70	7,243.80	16,551.10	1,017.50	10,032.80	18,424.80	63,617.00
<b>1940-49</b>	7,237.30	2,652.00	31,474.30	5,037.40	24,691.50	1,085.60	4,969.70	10,943.60	88,091.40
<b>1950-59</b>	1,896.00	1,868.10	3,232.10	3,101.90	22,262.00	1,254.30	3,985.20	82,118.20	119,717.81
<b>1960-69</b>	14,147.00	17,492.00	7,227.00	9,017.10	29,684.40	1,948.00	7,000.50	8,405.00	94,921.00
<b>1970-79</b>	0.00	352.00	19,900.40	1,452.00	3,776.00	11,237.60	0.00	3,812.80	40,530.80
<b>1980-89</b>	0.00	676.00	3,834.00	0.00	5,475.00	0.00	0.00	782.00	10,767.00
<b>1990-99</b>	0.00	0.00	1,206.00	0.00	0.00	0.00	0.00	0.00	1,206.00
<b>2000-09</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>2010+</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>36,996.80</b>	<b>31,688.20</b>	<b>168,229.70</b>	<b>31,234.10</b>	<b>121,821.00</b>	<b>19,292.80</b>	<b>35,662.10</b>	<b>130,614.70</b>	<b>575,539.42</b>





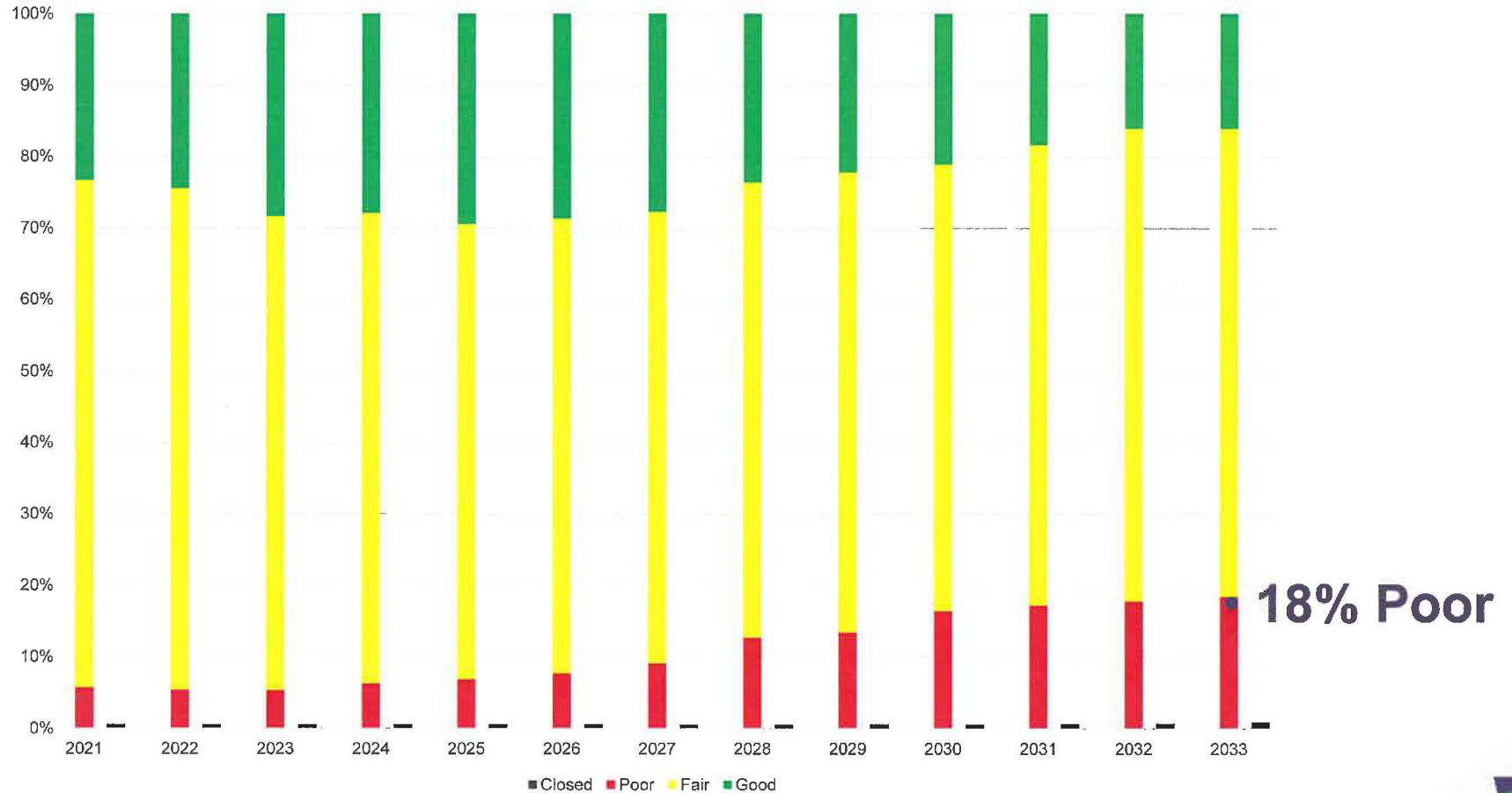
# WORST 1ST

Combined NHS and Non-NHS Condition By Deck Area



# LOWEST LIFE CYCLE COST

Combined NHS and Non-NHS Condition By Deck Area



# BRIDGE PLANNING

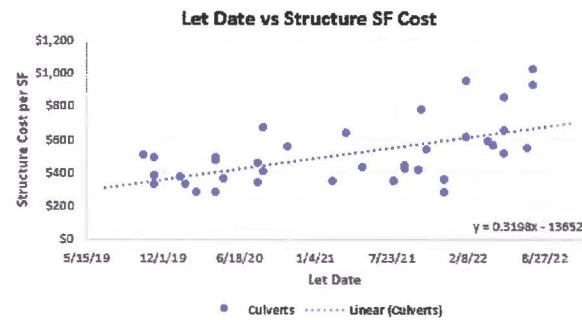
Last Updated: 09/13/22  
Updated By: KJS

Unit Cost Data: Replacement - Culvert  
ECMS Data Range: 08/02/2019 to 08/02/2022

Data Set Count: 37 Culvert Projects

- Instructions:**
- (1) Cells shaded green are input.
  - (2) To add a new project, copy a row from the middle of the table and insert the row in the middle of the table. This will retain the drop downs, eliminate the need to reapply the filters to the column headings, and automatically add the new data point to the graph. After insertion, edit all shaded data fields
  - (3) After all new projects are added, re-sort data using by newest first.
  - (4) After new cost data is entered, adjust trendline formula input based off of chart.

- Notes:**
- (1) Items/cost associated with natural streambed material placement/storage
  - (2) Items/cost associated with unique issues (e.g. sinkhole stabilization) that appear on structures tab block were excluded.
  - (3) Over-excavation and backfilling of unsuitable material included under other
  - (4) SF Costs include temporary excavation support and removal of existing structures.



	Structure	Total
2020 Average SF Cost =	\$414	\$826
2021 Average SF Cost =	\$449	\$877
2022 Average SF Cost =	\$719	\$1,301
Overall Average SF Cost =	\$507	\$974

Trendline Slope =	0.3198
Trendline Y-intercept =	-13652

Structure Trendline	
Date	SF Cost
#####	\$696
5/30/2023	\$773
6/30/2024	\$890
6/30/2025	\$1,007
6/30/2026	\$1,124

Today

Project Data					Structure Data											Construction Cost Data											
ECMS Project	Let Date	Dist.	County	Route & Section	Structure Plan Number	No. of Spans	Structure Type	Wing Type	Barrier Type	Span (FT)	Wall Width (FT)	Rise (FT)	Culv. Length (FT)	Staged Constr. ?	Dist. Slab ?	Str. Area (SF)	Low Bidder - Structure Cost										Total Constr. SF Cost
																	Lump Sum	Rebar	Rock	TES&PS	Other Str. Item	Existing Removal	Total Structure	Structure SF Cost			
87538	7/28/22	8	Lancaster	0772 - 048	S-40076	1	Box - Precast	Combo	Combo G/R	6.00	0.67	3.00	42.13	No	Yes	309	\$284,000	\$4,800	in LS	\$0	\$300	\$25,000	\$314,100	\$1,017	\$2,198		
100292	7/28/22	8	Lebanon	0419 - 009	S-40249	1	Box - Precast	Combo	Combo G/R	7.50	0.67	6.00	57.23	No	Yes	506	\$406,976	\$26,495	\$3,612	\$0	\$13,179	\$17,495	\$467,757	\$924	\$1,606		
90846	7/14/22	8	Dauphin	4006 - 006	S-40454	1	Box - Precast	End Section	10M	26.00	1.08	7.50	29.25	No	No	824	\$400,000	\$4,095	\$21,350	\$0	\$2,070	\$20,000	\$447,516	\$543	\$872		
89288	5/12/22	8	Lancaster	7101 - BRG	L-65	1	Box - Precast	End Section	10M	16.00	1.08	4.00	31.50	Yes	Yes	575	\$391,900	Alt. Bid	\$9,800	\$37,500	\$4,565	\$40,000	\$483,765	\$864	\$1,715		
89288	5/12/22	8	Lancaster	7101 - BRG	L-64	2	Box - Precast	End Section	10M	12.00	1.00	5.90	43.50	Yes	Yes	1,218	\$655,755	Alt. Bid	\$9,800	\$37,500	\$7,500	\$80,000	\$790,535	\$649	\$1,318		
92562	5/12/22	8	York	2079 - 005	S-40014	1	Box - Precast	End Section	SM G/R	27.00	1.08	6.00	33.75	No	Yes	985	\$460,000	\$11,820	in LS	\$0	\$2,240	\$30,000	\$504,060	\$512	\$796		
100211	4/14/22	8	York	3035 - 001	S-39942	1	Box - Precast	End Section	SM G/R	23.00	1.08	6.00	32.33	No	No	879	\$408,719	\$3,135	\$21,871	\$12,276	\$3,467	\$40,761	\$490,228	\$558	\$922		
78655	3/31/22	8	Cumberland	0997 - 039	S-39668	1	Box - Precast	End Section	PA Bridge	18.00	1.08	7.00	35.83	No	Yes	723	\$389,900	\$8,525	\$5,040	\$0	\$520	\$20,000	\$423,985	\$586	\$877		
91359	2/3/22	8	York	2002 - 019	S-39830	1	Box - Precast	End Section	SM G/R	6.00	0.67	3.00	23.38	No	Yes	260	\$229,000	\$850	in LS	\$10,000	\$2,250	\$4,000	\$246,100	\$947	\$1,803		



# BRIDGE PLANNING

## Cost Analysis:

		Total Replacement			Partial Replacement		Rehabilitation		Preservation	
		Culvert <sup>(2)</sup>	Bridge <sup>(3)</sup>	Com-bined	Super-structure	Deck	Stone Arch	Conc. Arch		
Design Cost (Total Cost)	Preliminary Engineering	\$296,242	\$319,848	\$310,518	\$215,915	\$138,765	\$196,528	\$220,848	\$107,492	
	Final Design	\$175,172	\$229,551	\$198,113	\$202,539	\$257,226	\$112,583	\$139,289	\$163,241	
	Preliminary + Final	\$471,414	\$549,399	\$508,631	\$418,454	\$395,991	\$309,111	\$360,136	\$270,733	
	Right-of-Way	\$17,438	\$19,732	\$18,385	\$4,271	\$7,098	\$18,365	\$26,709	\$238	
Design Cost (Cost per SF)	No. of Projects with Design Costs	37	27	64	10	3	3	5	10	
	Total Associated SF Area	30,912	100,284	131,196	25,303	20,722	4,222	11,883	143,199	
	Average SF Area	835	3,714	2,050	2,530	6,907	1,407	2,377	14,320	
	Total Design Cost (PE + FD + R/W)	\$18,383,784	\$15,346,797	\$33,710,629	\$4,227,253	\$1,209,270	\$982,427	\$1,934,228	\$2,709,704	
	Average Cost per SF	\$595	\$153	\$257	\$167	\$58	\$233	\$163	\$19	
Construction Cost (Cost per SF)	Structure Only	2020 Average	\$414	\$342	\$378	(1)	(1)	(1)	(1)	\$73
		2021 Average	\$449	\$406	\$426	(1)	(1)	(1)	(1)	\$64
		2022 Average	\$719	\$353	\$634	(1)	(1)	(1)	(1)	\$97
		Overall Average	\$507	\$365	\$446	\$236	\$143	\$372	\$157	\$72
	Low Bid (w/o CENG)	2020 Average	\$826	\$567	\$697	(1)	(1)	(1)	(1)	\$103
		2021 Average	\$877	\$752	\$812	(1)	(1)	(1)	(1)	\$125
		2022 Average	\$1,301	\$494	\$1,115	(1)	(1)	(1)	(1)	\$184
		Overall Average	\$974	\$627	\$825	\$402	\$233	\$596	\$356	\$133
	Constr. Engineering (CENG)		\$122	\$78	\$103	\$50	\$29	\$75	\$44	\$17
	Low Bid Average + CENG		\$1,096	\$706	\$928	\$452	\$262	\$671	\$400	\$149
	<b>Total (Cost per SF)</b>		<b>\$1,690</b>	<b>\$859</b>	<b>\$1,185</b>	<b>\$619</b>	<b>\$320</b>	<b>\$904</b>	<b>\$563</b>	<b>\$168</b>



# BRIDGE PLANNING

- CR = 4, Deck Area = 522,953 → Needs Replacement (15 years)
- CR = 5, Deck Area = 6,834,689 → Needs Rehab (15 years)

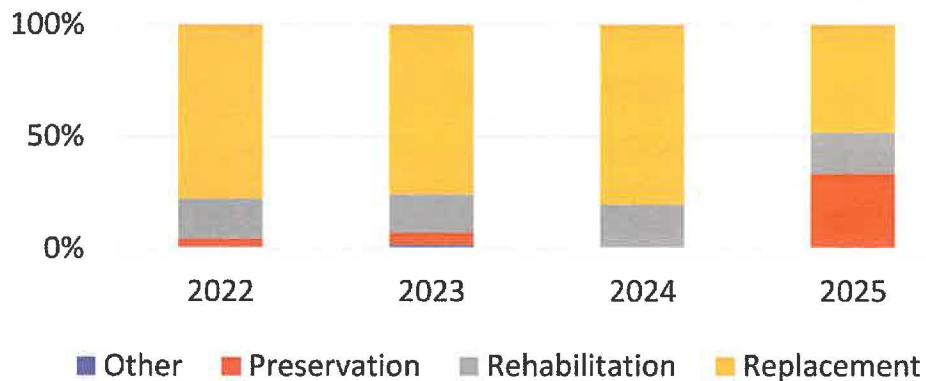
- Bridge (Light) Preservation → \$ 25 / SF
  - Bridge (Medium) Preservation → \$ 75 / SF
  - Bridge (Heavy) Preservation → \$ 150 / SF
  - Bridge Deck Replacement → \$ 250 / SF
  - Bridge Beam & Deck Replace → \$ 450 / SF
  - Bridge Total Replacement → \$ 750 / SF
  - Culvert Replacement → \$1000 / SF
- Avg = \$350/sf  
vs. \$750/sf



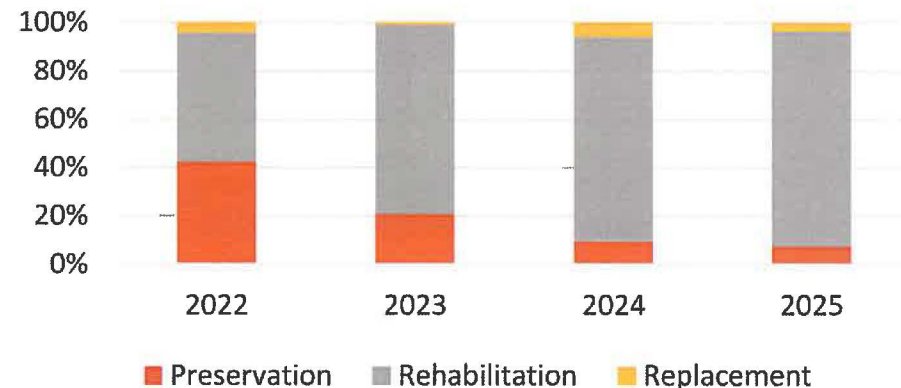
# BRIDGE PLANNING

- Another angle - BAMS
- Bridge Asset Management → BridgeCares Software
- Can compare our planned project (MPMS) to our theoretical “perfect” LLC scopes.
- Reality is in between, because it will always be a mix.

MPMS Work Scope Splits



BridgeCare Work Scope Splits



# BRIDGE PLANNING

- Current 12 year plan (by count)
  - 272 (34%) are preservation → ??
  - 60 (7%) are rehabilitation → ??
  - 475 (59%) are replacement → ??

2024+ Projects	Programmed by \$
Preservation	3%
Rehabilitation	13%
Replacement	84%

- We are rethinking preservation work to get closer to LLC
  - Re-scope projects (future, 2024+ projects)
  - Emphasize rehab & (heavy) preservation (future)
  - **Light & Medium Preservations do not warrant individual TIP projects.**
    - **Expand use of task-specific contracts (next slides)**



# BRIDGE PLANNING

- Task Specific Contract – Example is our current Bridge Maintenance Contract
  - 409 Funded – BMC - \$1.5M/yr (50% on-call)
- Future Bridge (Medium) Preservation Contract
  - TIP Funded - \$2.0M/yr (focus on “surgical” major structure work)
  - Prevent full TIP projects
- Future Bridge (Light) Preservation Contract
  - TIP Funded - \$2.0M/yr (focus on joints & scour)
  - Reduce long term degradation of bridges
  
- These Task-Specific Contracts will need funded, but are more efficient than traditional TIP projects.





# BRIDGE PLANNING

- Task Specific Contract – Example is our current Bridge Maintenance Contract
  - 409 Funded – BMC - \$1.5M/yr (50% on-call)
- **Future Bridge (Medium) Preservation Contract**
  - **TIP Funded - \$2.0M/yr (focus on “surgical” major structure work)**
  - **Prevent full TIP projects**
- Future Bridge (Light) Preservation Contract
  - TIP Funded – \$2.0M/yr (focus on joints & scour)
  - Reduce long term degradation of bridges
  
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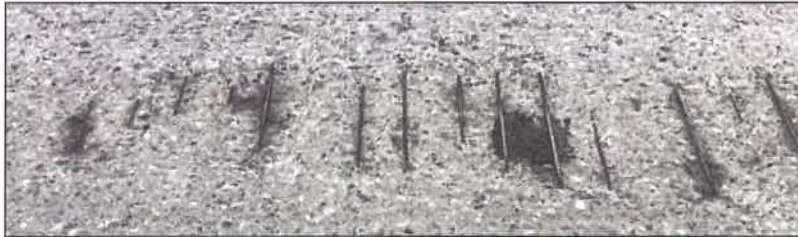


# BRIDGE (MEDIUM) PRESERVATION



# BRIDGE (MEDIUM) PRESERVATION

- Example Medium Preservation
- Scope ~\$75/SF



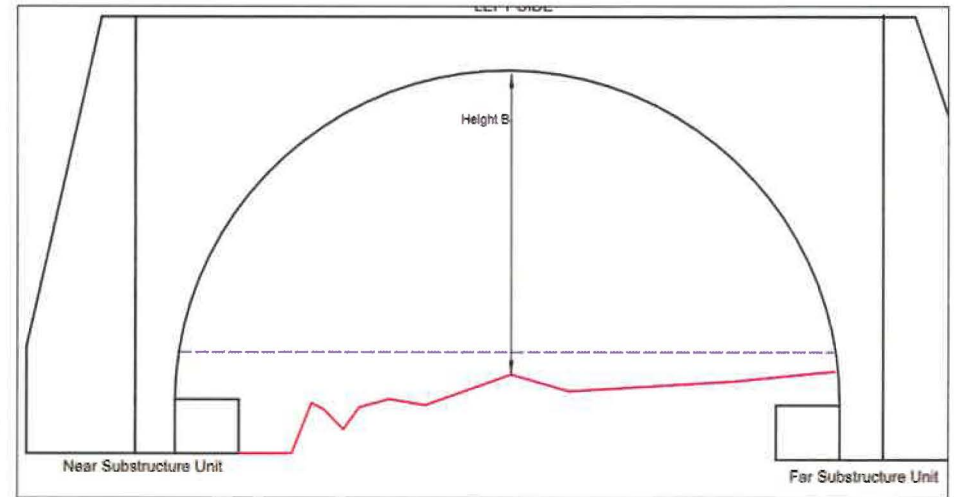
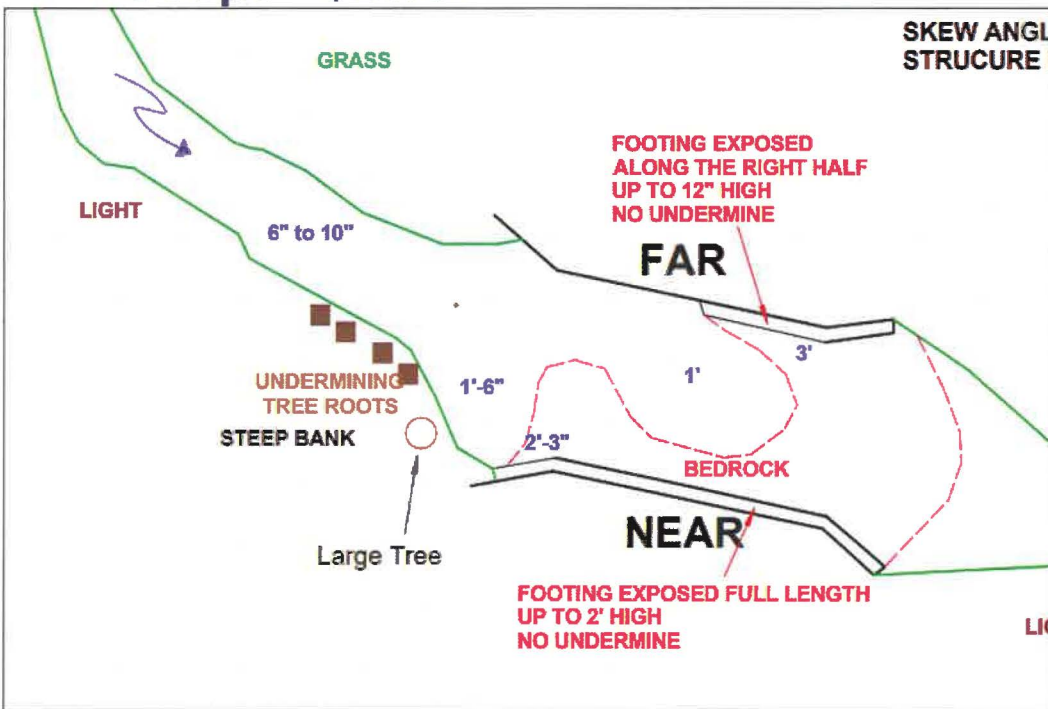
# BRIDGE PLANNING

- Task Specific Contract – Example is our current Bridge Maintenance Contract
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- Future Bridge (Medium) Preservation Contract
  - TIP Funded - \$2.0M/yr (focus on “surgical” major structure work)
  - Prevent full TIP projects
- **Future Bridge (Light) Preservation Contract**
  - TIP Funded – \$2.0M/yr (focus on joints & scour)
  - **Reduce long term degradation of bridges**
  
- These Task-Specific Contracts will need funded, but are more efficient than traditional TIP projects.



# BRIDGE (LIGHT) PRESERVATION

- Example Light Preservation Contract
- Scope ~\$25/SF


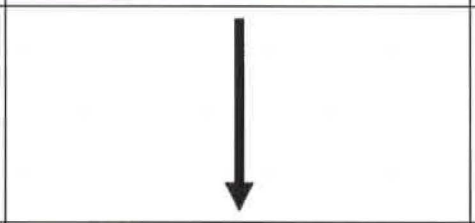


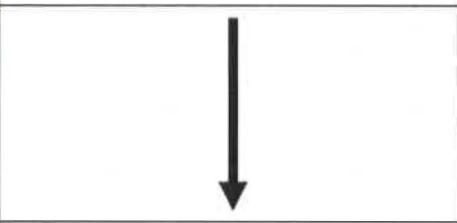



# BRIDGE (LIGHT) PRESERVATION

- Example Light Preservation Contract
- Scope ~\$25/SF



# BRIDGE (LIGHT) PRESERVATION

2020				2022	
					



# BRIDGE (LIGHT) PRESERVATION

County	Joint Issue PC1/2	Scour Issue PC1/2
Adams	11	23
Cumberland	37	8
Dauphin	34	21
Franklin	9	1
Lancaster	56	46
Lebanon	17	13
Perry	13	10
York	29	47
D8-0	206	169





# BRIDGE PLANNING

Example Deck Area =	1800	SF
Medium Preservation Cost =	\$75	SF
Light Preservation Cost =	\$25	SF
Cycle Length =	4	Yrs

County		Allocated %	Medium Preservation		Light Preservation	
#	Name		\$/Yr	Total #	\$/Yr	Total #
01	Adams	12%	\$240,000	7	\$240,000	44
21	Cumberland	8%	\$160,000	5	\$160,000	30
22	Dauphin	18%	\$360,000	11	\$360,000	67
28	Franklin	10%	\$200,000	6	\$200,000	37
36	Lancaster	20%	\$400,000	12	\$400,000	74
38	Lebanon	8%	\$160,000	5	\$160,000	30
50	Perry	4%	\$80,000	2	\$80,000	15
66	York	20%	\$400,000	12	\$400,000	74
Total		100%	\$2,000,000	60	\$2,000,000	371



# BRIDGE PLANNING

- Next Steps:
  - Re-scope projects
  - Emphasize rehab & preservation
  - BAMS / Bridge Cares to be incorporated
  - **How to fund task-specific contracts**
    - Nothing today
    - Will come back with future changes to fund this
  
- Thank you!

