

An aerial photograph of a bridge deck, showing lane markings and utility lines. A large, semi-transparent diagonal overlay in shades of blue and green covers the right side of the image. The text is positioned on the white background of this overlay.

City of Pittsburgh
Comprehensive Bridge Asset Management Program

**Task 3a Report – Develop List of
Intermediate/Near Term Needs**

March 2023

March 2023

Honorable Ed Gainey, Mayor City of Pittsburgh
414 Grant St, Suite 512
City-County Building
Pittsburgh, PA 15219
Attention: Ms. Lisa Frank, Chief Operating and Administrative Officer

Re : Task 3a Report — Develop List of Intermediate/Near Term Needs — City of Pittsburgh Comprehensive Bridge Asset Management Program

Dear Ms. Frank,

I am pleased to enclose two copies of the referenced report for the Mayor's Office and Eric Setzler, P.E., Chief Engineer, Department of Mobility and Infrastructure as part of the City of Pittsburgh Comprehensive Bridge Asset Management Program.

The report contains two sections — a summary table and detailed cost estimates for each bridge.

Please call me at 412-375-0274 or email me at Louis.Ruzzi@wsp.com with any questions.

Thank You,



Louis J. Ruzzi, P.E., Project Manager

cc: Eric Setzler, P.E., Chief Engineer, Department of Mobility and Infrastructure

Task 3a Report – Develop List of Intermediate/Near Term Needs
City of Pittsburgh Comprehensive Bridge Asset Management Program

Table of Contents

1. Summary Table
2. Cost Estimates for Intermediate/Near Term Needs by Bridge

1. Summary



Project: **Pittsburgh Bridge Asset Management**
Subject: **Summary - High Priority Repair Estimates**
Des: **AIS**
Date: **1/16/2023**

Chk: **PTN**
Date: **2/8/2023**

DESCRIPTION

This worksheet summarizes the high priority repair estimates for each of the bridges below.

The cost estimates account for only the repair of high priority maintenance items as identified in each bridge's most recent inspection report. "High priority" maintenance items are PC0 and PC1 items, as well as PC2 items that will likely become PC1 within the next 5 years.

Estimates were not prepared for maintenance items that have already been completed.

Included with this summary table are itemized estimates for each bridge.

All estimates include a 20% contingency factor.

Please cross-reference these repair estimates with Appendix B, the high priority repair item table, and each bridge's recent inspection reports.

SUMMARY

Total bridges	147
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Number of bridges where...

New inspection not yet completed	4
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Zero priority repairs required	66
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Number of bridges where high priority repair estimate is...

\$50,000 or less	36
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Between \$50,000 and \$200,000	27
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Between \$200,000 and \$1,000,000	11
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More than \$1,000,000	3
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GENERAL OBSERVATIONS

The most common high priority repairs are for deteriorated concrete, spalled and leaking deck joints, and steel superstructure areas with significant section loss. The highest priority maintenance items are typically deck and joint repairs which pose an immediate safety hazard to pedestrians and vehicles. Areas of steel superstructures with significant section loss do not pose an immediate safety risk, but could require the posted capacity of some bridges to be dramatically reduced in the near future. Leaking joints are high priority items because they create a high potential for further steel section loss.

DISCLAIMER

The repair estimates for these bridges are for information only. The method and extent of repairs were estimated from recent bridge inspection reports. The repair methods assumed here are not recommendations; they are merely used to generate an estimated price for addressing the high priority maintenance items identified in the inspection reports.



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COST ESTIMATES

Consultant	BRKEY	BMS Number	City Number	Bridge Name	Features Intersected	Repair Estimate	Notes
A&A	69553	02 7301 0000 3172	156	Fort Duquesne Pedestrian Bridge	Allegheny River	\$ 2,060	
A&A	69552	02 7301 0000 3171	146	Hot Metal Pedestrian Bridge #1	Mon River & RR Spur	\$ -	Repairs for previously recommended PC0 items have been completed. No PC1 items. No PC2 items expected to become PC1 within next 5 years.
WSP	570	02 7301 0000 3131	131	Chestnut Street	PA 28	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	744	02 7301 0000 3933	77	Parking Lot Bridge at Woodruff St	Saw Mill Run Blvd	\$ 679,560	
SAI	1041	02 0279 0016 0998	132	Tripoli St	I-279 & I-579	\$ 14,583	
SAI	1042	02 0279 0016 1235	133	E North Ave	I-279 & I-579	\$ 55,013	
SAI	1047	02 0279 0016 1799	134	Ramp Q	I-279 & I-579	\$ 14,404	
WSP	1060	02 7301 0000 3136	136	Milroy Street	I-279	\$ 176,854	
A&A	1062	02 7301 0000 3137	137	East St	I-279	\$ 31,180	
A&A	1230	02 7301 0000 3008	8	Baum Blvd	NS RR & PAT East Busway	\$ 97,050	
A&A	1312	02 0885 0280 1934	166	Eliza Furnace Trail over Greenfield Ave (Parking Lot)	Greenfield Ave	\$ -	No PC0, PC1 or PC2 items recommended.
WSP	2392	02 7301 0000 3001	1	Alexander Street	Saw Mill Run	\$ 2,004	
SAI	2394	02 7301 0000 3005	5	Charles Anderson Bridge (Blvd of the Allies)	CSX RR & Junction Hollow Trail	\$ -	Bridge is temporarily closed and is undergoing repairs.
Azalea	2395	02 7301 0000 3006	6	Ansonia Pl	Saw Mill Run	\$ -	Repairs for previously recommended PC0 item already completed.
SAI	2396	02 7301 0000 3007	7	Bajo St (off Becks Run Rd)	Tributary to Beck's Run	\$ 51,976	
Azalea	2397	02 7301 0000 3009	9	Bigelow Blvd Underpass	Below Bloomfield Bridge Ramp F	\$ -	PC1 maintenance item already completed.
Mackin	2398	02 7301 0000 3010	10	Bloomfield Bridge	NS RR & CSX RR & PAT East Busway	\$ 59,400	
Azalea	2399	02 7301 0000 3014	14	Calera Street #1	Streets Run	\$ 15,117	
A&A	2401	02 7301 0000 3018	18	Corliss St Tunnel	Below PAT West Busway & NS RR	\$ 2,440,230	
A&A	2402	02 7301 0000 3020	20	Chartiers Ave	PAT West Busway	\$ 35,610	
Mackin	2403	02 7301 0000 3021	21	West Carson St	Chartiers Creek	\$ 50,490	
Azalea	2404	02 7301 0000 3022	22	Columbus Ave	NS RR	\$ 19,672	
A&A	2405	02 7301 0000 3023	23	Crane Ave	Saw Mill Run	\$ 35,060	



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Consultant	BRKEY	BMS Number	City Number	Bridge Name	Features Intersected	Repair Estimate	Notes
A&A	2406	02 7301 0000 3024	24	Davis Ave Bridge	Woods Run Ave	\$ -	Bridge closed in August 2001. Pedestrian fence and concrete barriers in place at bridge ends.
Azalea	2407	02 7301 0000 3027	27	Eads St.	Tributary to Beck's Run	\$ 4,884	
A&A	2408	02 7301 0000 3028	28	Edgebrook Ave	Saw Mill Run	\$ 14,610	
A&A	2409	02 7301 0000 3029	29	Elizabeth St	CSX RR & Gloster St	\$ 272,810	
A&A	2410	02 7301 0000 3033	33	Fern Hollow Bridge (Forbes Ave) (New Bridge, Under Construction)	Nine Mile Run & Fern Hollow	\$ -	Bridge collapsed in January 2022. Currently under construction. Anticipated opening December 2022.
Mackin	2411	02 7301 0000 3034	34	Forbes Ave	CSX RR & Boundary St	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
SAI	2412	02 7301 0000 3035	35	Fort Pitt Blvd (Commonwealth to Wood)	Mon Wharf Parking Lot	\$ 29,346	
A&A	2413	02 7301 0000 3036	36	Franum St (Ensign Ave)	Saw Mill Run	\$ 127,560	
SAI	2414	02 7301 0000 3038	38	Corley St (Ganges Way)	Streets Run	\$ 110,943	
WSP	2416	02 7301 0000 3040	40	Herron Avenue	NS RR, CSX RR, & PAT East Busway	\$ 437,794	
A&A	2417	02 7301 0000 3041	41	30th St Bridge (Herrs Island)	Allegheny River Back Channel	\$ 292,230	
WSP	2418	02 7301 0000 3043	43	Hill Road (One Wild Place)	Zoo Walkway	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
A&A	2419	02 7301 0000 3047	47	Larimer Ave	Washington Blvd (Rt 8)	\$ 707,100	
A&A	2420	02 7301 0000 3048	48	Lincoln Ave	Washington Blvd (Rt 8)	\$ 12,540	
Mackin	2421	02 7301 0000 3050	50	Lowrie St	Rialto St	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
Mackin	2422	02 7301 0000 3051	51	Maple Ave	N Charles St	\$ 52,305	
WSP	2423	02 7301 0000 3052	52	Robert McAfee Bridge (California Ave)	McClure Ave & Eckert St	\$ 53,028	
A&A	2424	02 7301 0000 3053	53	McArdle Rdwy	E Sycamore St	\$ 17,210	
A&A	2425	02 7301 0000 3054	54	McArdle Rdwy	Hillside	\$ 56,380	
A&A	2426	02 7301 0000 3057	57	Meadow St	Negley Run Blvd	\$ 14,720	
WSP	2427	02 7301 0000 3060	60	Mission Street (East)	Gomer St & Greeley St	\$ 17,710	



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Azalea	2428	02 7301 0000 3061	61	Mission St (West)	S 21st Street	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
Azalea	2429	02 7301 0000 3064	64	McArdle Rdway Viaduct #1	NS RR	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
A&A	2430	02 7301 0000 3065	65	McArdle Rdwy Viaduct #2	Hillside	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
Mackin	2431	02 7301 0000 3066	66	Murray Ave	Beechwood Blvd	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
A&A	2432	02 7301 0000 3067	67	W North Ave & Brighton Rd	NS RR	\$ 421,710	
Mackin	2433	02 7301 0000 3075	75	Pennsylvania Ave	NS RR	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
SAI	2435	02 7301 0000 3078	78	Radcliffe St	GW RR	\$ 125,937	
A&A	2436	02 7301 0000 3081	81	Ridge Ave	NS RR	\$ -	Bridge demolished. New bridge complete. No estimate required.
Mackin	2437	02 7301 0000 3082	82	River Ave Viaduct	Three Rivers Heritage Trail	\$ 63,934	
A&A	2438	02 7301 0000 3084	84	Schenley Dr	CSX RR & Boundary St	\$ 7,960	
WSP	2439	02 7301 0000 3085	85	Panther Hollow Road	Panther Hollow Lake	\$ 1,008	
A&A	2440	02 7301 0000 3086	86	Panther Hollow Overpass	Overlook Dr	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
SAI	2441	02 7301 0000 3087	87	Schenley Park Panther Hollow Trail #1	Schenley Park Stream	\$ -	No PC0, PC1 or PC2 items recommended.
Mackin	2442	02 7301 0000 3088	88	Schenley Park Panther Hollow Trail #2	Schenley Park Stream	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	2443	02 7301 0000 3089	89	Schenley Park Panther Hollow Trail #3	Schenley Park Stream	\$ -	No PC0, PC1 or PC2 items recommended.
Mackin	2444	02 7301 0000 3090	90	Schenley Park Panther Hollow Trail #4	Schenley Park Stream	\$ -	No PC0, PC1 or PC2 items recommended.
Azalea	2445	02 7301 0000 3091	91	Schenley Park Locust/Bridle Trail #1	Schenley Park Stream	\$ -	Repairs for previously recommended maintenance items already completed.



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Azalea	2446	02 7301 0000 3092	92	Schenley Park Locust/Bridle Trail #2	Schenley Park Stream	\$ -	No PC0, PC1, or PC2 items recommended.
Azalea	2447	02 7301 0000 3093	93	Second Ave	Nine Mile Run	\$ 7,657	
WSP	2448	02 7301 0000 3095	95	Shadeland Avenue	Woods Run Ave, Leckey Ave, & Courtright St	\$ 14,736	
WSP	2449	02 7301 0000 3097	97	Shaler Street	Saw Mill Run	\$ 416,303	
Azalea	2450	02 7301 0000 3098	98	S Aiken Ave	NS RR & PAT East Busway	\$ 97,800	
Azalea	2452	02 7301 0000 3101	101	S Millvale Ave	NS RR & PAT East Busway & Gross St.	\$ -	No PC0, PC1, or PC2 items recommended.
A&A	2453	02 7301 0000 3102	102	S Negley Ave	NS RR & PAT East Busway	\$ 656,330	
A&A	2454	02 7301 0000 3104	104	S 12th St	NS RR	\$ 7,430	
A&A	2455	02 7301 0000 3106	106	Stanwix St	I-376 WB (Parkway East)	\$ 202,840	
SAI	2456	02 7301 0000 3109	109	Swindell Bridge	I-279 & East St	\$ 1,358,628	
Mackin	2457	02 7301 0000 3110	110	Swinburne Bridge (Frazier St)	CSX RR & Saline St	\$ 14,256	
SAI	2458	02 7301 0000 3112	112	Brighton Heights Blvd (Termon Ave)	Verner Ave	\$ 153,481	
Azalea	2459	02 7301 0000 3113	113	Timberland Ave.	Saw Mill Run	\$ -	Repair for previously recommended PC1 item already completed.
Mackin	2460	02 7301 0000 3114	114	Troy Hill Rd	Hillside	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
A&A	2461	02 7301 0000 3115	115	28th St	NS RR & PAT East Busway & Sassafras Way	\$ 257,130	
A&A	2463	02 7301 0000 3120	120	Wood St	I-376 WB (Parkway East)	\$ 193,470	
A&A	2464	02 7301 0000 3121	121	Market St	I-376 WB (Parkway East) & Fort Pitt Blvd	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	2465	02 7301 0000 3122	122	Commercial St	Nine Mile Run	\$ 504,950	
Azalea	2466	02 7301 0000 3123	123	E Sycamore Street	Hillside	\$ 96,896	
A&A	2467	02 7301 0000 3125	125	Goettman St	Hillside	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.



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Azalea	2468	02 7301 0000 3130	130	Larimer Ave	AV RR	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
SAI	2469	02 7301 0000 3144	144	Hillburn St Pedestrian Bridge	Irwins Run	\$ -	No PC0, PC1 or PC2 items recommended.
SAI	2470	02 7301 0000 3831	31	E Liberty Blvd (NB)	Pedestrian Walkway	\$ 50,204	
Mackin	2471	02 7301 0000 3931	31	E Liberty Blvd (SB)	Pedestrian Walkway	\$ 27,403	
Mackin	2472	02 7301 0000 9001	19	Centre Ave	NS RR & PAT East Busway	\$ 52,074	
Azalea	2473	02 7301 0000 9002	72	Penn Ave	NS RR & PAT East Busway	\$ 71,641	
Mackin	2474	02 7301 0000 9010	103	Seventh Ave	PAT LRT Spur	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
A&A	2740	02 8002 0300 0208	--	Crosstown Blvd Pedestrian Bridge	Centre Ave Ramp	\$ -	Based on info and photos from City, does not appear to be any high priority maintenance items. Recently completed inspection report not yet provided by City.
WSP	40785	02 7301 0000 3145	145	Hot Metal Bridge	Mon River & RR Spur	\$ 95,727	
A&A	40788	02 7301 0000 3147	147	Hot Metal St	CSX RR	\$ -	No PC0, PC1 or PC2 items recommended.
Azalea	41373	02 7301 0000 3148	148	North Shore Drive	Heinz Field Pedestrian Walkway	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
Azalea	42018	02 7301 0000 3150	150	Fort Pitt Blvd (Wood to Smithfield)	Mon Wharf Flood Walls	\$ -	No PC0, PC1, or PC2 items recommended.
A&A	42334	02 7301 0000 3149	149	Fort Duquesne Blvd	10th St Pedestrian Ramp	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	47751	02 7301 0000 3143	143	10th St Bypass off of Fort Duquesne Bridge Ramp (Fancourt St)	10th St Bypass	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	48206	02 7301 0000 3100	100	S Highland Ave (NEW #)	NS RR & PAT East Busway & Ellsworth Ave	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	49060	02 7301 0000 3015	15	Calera St #2	Tributary to Streets Run	\$ 36,680	
Azalea	49066	02 7301 0000 3073	73	Pensdale St. Bridge No. 1	Bell Run	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.



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Consultant	BRKEY	BMS Number	City Number	Bridge Name	Features Intersected	Repair Estimate	Notes
WSP	49067	02 7301 0000 3074	74	Pennsdale Avenue #2	Bell Run	\$ 35,085	
SAI	49068	02 7301 0000 3127	127	Baldwick Road No. 1	Bell Run	\$ 106,868	
WSP	49069	02 7301 0000 3128	128	Baldwick Road No. 2	Bell Run	\$ 672	
A&A	49081	02 7301 0000 3030	30	Englewood Pedestrian Bridge (Englert St)	Saw Mill Run	\$ -	No PC0, PC1 or PC2 items recommended.
WSP	49084	02 7301 0000 3049	49	Low Street Pedestrian Bridge	Saw Mill Run	\$ 170,403	
A&A	49085	02 7301 0000 3058	58	Melanchton St Pedestrian Bridge	CSX RR	\$ 2,120	
WSP	49086	02 7301 0000 3059	59	Midwood Avenue Pedestrian Bridge	Saw Mill Run	\$ 87,987	
A&A	49087	02 7301 0000 3068	68	N Lang Ave Pedestrian Bridge	NS RR & PAT East Busway	\$ 69,990	
A&A	49088	02 7301 0000 3071	71	Overbrook Blvd Pedestrian Bridge	Saw Mill Run	\$ -	No PC0, PC1 or PC2 items recommended.
SAI	49089	02 7301 0000 3080	80	Reservoir Drive	Highland Park Walking Trail	\$ 8,686	
A&A	49090	02 7301 0000 3099	99	S Graham St Pedestrian Bridge	NS RR & PAT East Busway	\$ 2,990	
SAI	49091	02 7301 0000 3124	124	Anderson Playground Pedestrian Tunnel	Blvd of the Allies	\$ 55,212	
A&A	49092	02 7301 0000 3135	135	Howard St Pedestrian Bridge	I-279	\$ 15,290	
WSP	49093	02 7301 0000 3139	139	Finland Street Pedestrian Bridge (DEMOLISHED)	Bigelow Boulevard	\$ -	Bridge access has been eliminated. PC2 item considered resolved.
WSP	49094	02 7301 0000 3138	138	Bloomfield Pedestrian Bridge	Bigelow Boulevard	\$ -	No PC0, PC1 or PC2 items recommended.
WSP	49095	02 7301 0000 3140	140	S 10th Street Pedestrian Bridge	NS RR	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
A&A	49096	02 7301 0000 3141	141	S 15th St Pedestrian Bridge	NS RR	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	49097	02 7301 0000 3151	151	Charles J Lieberth Pedestrian Bridge	PA 28	\$ -	No PC0, PC1 or PC2 items recommended.
SAI	49098	02 7301 0000 3116	116	Calera St to Baldwin Rd Pedestrian Bridge	Streets Run	\$ -	No PC0, PC1 or PC2 items recommended.
SAI	53484	02 7301 0000 3152	16	Carnahan Rd (at Banks Ville Rd) (NEW #)	Tributary to Saw Mill Run	\$ -	No PC0, PC1 or PC2 items recommended.



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Azalea	54496	02 7301 0000 3932	39	Greenfield Bridge	I-376 Parkway East	\$ -	No PC0, PC1, or PC2 items recommended.
A&A	54600	02 7301 0000 3031	3	Frankie Mae Pace Park (The Cap)	I-579	\$ -	No PC0, PC1 or PC2 items recommended.
WSP	54694	02 7301 0000 3094	94	McFarren Street	Nine Mile Run	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	55802	02 7301 0000 3119	118	West Ohio St Bridge (NEW #)	NS RR	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	69313	02 7301 0000 3153	152	Hot Metal Ped Bridge #2	Second Ave	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	69314	02 7301 0000 3154	161	Eliza Furnace Trail over Brady St	Brady St	\$ 49,830	
A&A	69325	02 7301 0000 3155	163	Eliza Furnace Trail over Bates St	Bates St	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	69326	02 7301 0000 3156	119	Wilksboro Ave Pedestrian Bridge (CLOSED)	Tributary to Jack's Run	\$ -	Bridge is closed. Barricades are in place at bridge ends.
Mackin	69332	02 7301 0000 3157	165	Eliza Furnace Trail over Swinburne St #2	Swinburne St	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
WSP	69333	02 7301 0000 3158	164	Eliza Furnace Trail over Swinburne Street #1	Swinburne Street	\$ -	New priority maintenance item for installing vertical clearance signs has been completed.
SAI	69334	02 7301 0000 3159	162	Eliza Furnace Trail over Maurice St	Maurice St	\$ 19,800	
A&A	69447	02 7301 0000 3160	153	S 27th Street (Will be Inspected by Jan. 2023)	CSX RR	N/A	No prior inspection reports available. New inspection expected to be performed in mid February, 2023.
A&A	69448	02 7301 0000 3161	154	S 28th Street (Will be Inspected by Jan. 2023)	CSX RR	N/A	No prior inspection reports available. New inspection expected to be performed in mid February, 2023.
WSP	69470	02 7301 0000 3162	55	Frick Lane Parking Lot Road	Fern Hollow Creek	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
WSP	69493	02 7301 0000 3163	--	Schenley Park Hollow Run Trail Bridge #2	Phipps Run	\$ -	No PC0, PC1 or PC2 items recommended.



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WSP	69494	02 7301 0000 3164	--	Schenley Park Hollow Run Trail Bridge #3	Panther Hollow Run	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
A&A	69495	02 7301 0000 3165	56	Nine Mile Run Trail Pedestrian Bridge	Nine Mile Run	\$ -	No prior inspection reports available. Per City, a new inspection has recently been completed, but report has not yet been provided for review. Based on photos and brief summary of the inspection provided by City, it does not appear that there are any priority maintenance items.
Mackin	69496	02 7301 0000 3166	37	Fritz St Pedestrian Bridge at Brosville	Knoxville Incline Overlook Park	\$ 119,460	
A&A	69497	02 7301 0000 3167	25	Lake Elizabeth Pedestrian Bridge #1 (East)	Lake Elizabeth	\$ -	No prior inspection reports available. Per City, a new inspection has recently been completed, but report has not yet been provided for review. Based on photos and brief summary of the inspection provided by City, it does not appear that there are any priority maintenance items.
Mackin	69498	02 7301 0000 3168	26	Lake Elizabeth Pedestrian Bridge #2 (West)	Lake Elizabeth	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
Azalea	69499	02 7301 0000 3169	12	Broome St. Pedestrian Bridge	Streets Run	\$ 6,436	
WSP	69500	02 7301 0000 3170	--	Frick Park Falls Ravine Trail Bridge	Fern Hollow Creek	\$ -	No PC0 or PC1 items recommended. No PC2 items with potential to become PC1 within 5 years.
A&A	69594	02 7301 000 3173	46	Millvale Trail Pedestrian Bridge	Allegheny River Back Channel		No PC0, PC1 or PC2 items recommended.
Azalea	69653	--	13	Mon Wharf Switchback Pedestrian Bridge	Hillside	\$ -	No PC0, PC1 or PC2 items recommended.
A&A	--	02 7301 0000 9103	--	Fallowfield Station LRT Viaduct	Dagmar Ave & Cape May Ave & Kenberma Ave	\$ 26,200	
A&A	--	--	45	Herr's Island Railroad (Pedestrian) Bridge	Allegheny River Back Channel	\$ 3,120	



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COST ESTIMATES

Consultant	BRKEY	BMS Number	City Number	Bridge Name	Features Intersected	Repair Estimate	Notes
WSP	--	--	63	Fine Way (Mordale St) (Collapsed, to be Barricaded)	Saw Mill Run	\$ 1,920	
A&A	--	--	105	Spahr St (East Liberty) Pedestrian Bridge	NS RR & PAT East Busway	N/A	No prior inspection reports available. New inspection will be performed on February 14, 2023.
A&A	--	--	160	Eliza Furnace Trail over 2nd Ave	2nd Ave	N/A	No prior inspection reports available. New inspection expected to be performed in mid February, 2023.
Total High Priority Repair Estimate:						\$ 11,719,686	

2. Cost Estimates for Intermediate/Near Term Needs by Bridge



Subject: BRKEY # 744 - Parking Lot Bridge at Woodruff St BY: PMD DATE: 1/12/2023
BMS # 02-7301-0000-3933 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$10,000.00	\$10,000.00
4901-0002	Maintenance and Protection of Traffic	DAY	8	\$3,000.00	\$24,000.00
9901-0101	Certified Flaggers	HOUR	128	\$84.50	\$10,820.00
9090-9001	Repair cracked and delaminated concrete to the Left barrier	C.F.	5	\$1,000.00	\$5,000.00
9090-9002	Replace failed portions of Near Right Wingwall	C.F.	540	\$900.00	\$486,000.00
9090-9001	Repair cracked and delaminated areas of fascia beams	C.F.	2	\$1,000.00	\$2,000.00
5050-0100	Repair deteriorated areas of steel Columns/Beams	LB.	1,200	\$12.00	\$14,400.00
9001-0035	Iron Worker	HOUR	160	\$82.00	\$13,120.00
9070-4004	Paint areas of steel repairs	S.F.	16	\$60.00	\$960.00

TOTAL BRIDGE STRUCTURE \$566,300.00

CONTINGENCY (20%) \$113,260.00

TOTAL **\$679,560.00**



Subject: City of Pittsburgh High Priority Repair Estimate
 Tripoli St
 BRKEY 1041 City No. 132

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1051-0002	DOWN SPOUTING 10" - 12" DIAMETER	LF	10	\$130	\$1,300
4901-0001	MINOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	1	\$1,500	\$1,500
4901-0002	MAJOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	1	\$3,000	\$3,000
9001-0030	LABORER	HR	8	\$71	\$568
9001-0031	FOREMAN	HR	8	\$95	\$760
9001-0101	FLAGGERS (2)	HR	16	\$85	\$1,360
9108-0014	60' VERTICAL REACH MANLIFT	HR	8	\$70	\$560
9605-1300	CLEAN-OUT EXISTING BRIDGE DRAINAGE SYSTEM	EA	2	\$1,000	\$2,000
				Subtotal	\$11,048
4608-0001	MOBILIZATION, MODIFIED (10%)	PDA	1	\$1,105	\$1,105

TOTAL BRIDGE STRUCTURE \$12,153
CONTINGENCY (20%) \$2,431
TOTAL **\$14,583**



Subject: City of Pittsburgh High Priority Repair Estimate
 E North Ave
 BRKEY 1042 City No. 133

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1040-0004	CONCRETE BRIDGE DECK REPAIR, TYPE 3, < 50SF	SF	45	\$185	\$8,325
4901-0002	MAJOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	7	\$3,000	\$21,000
5050-0100	FABRICATED STRUCTURAL STEEL, MODIFIED	LB	400	\$12	\$4,800
9001-0031	FOREMAN	HR	16	\$95	\$1,520
9001-0030	LABORER (2)	HR	32	\$71	\$2,272
9108-0012	PORTABLE LIGHT TOWERS	HOUR	56	\$18	\$1,008
9108-0014	60' VERTICAL REACH MANLIFT	HR	56	\$70	\$3,920
				Subtotal	\$42,845
					\$0
4608-0001	MOBILIZATION, MODIFIED (7%)	PDA	1	\$2,999	\$2,999

TOTAL BRIDGE STRUCTURE \$45,844
CONTINGENCY (20%) \$9,169
TOTAL **\$55,013**

Estimate 7 days of night time or weekend construction with access from I-279 and HOV lanes..



Subject: City of Pittsburgh High Priority Repair Estimate
 Ramp Q
 BRKEY 1047 City No. 134

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4901-0001	MINOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	2	\$1,500	\$3,000
5050-0100	FABRICATED STRUCTURAL STEEL, MODIFIED	LB	250	\$12	\$3,000
9001-0031	FOREMAN	HR	16	\$95	\$1,520
9001-0030	LABORER (2)	HR	32	\$71	\$2,272
9108-0014	60' VERTICAL REACH MANLIFT	HR	16	\$70	\$1,120
				Subtotal	\$10,912
4608-0001	MOBILIZATION, MODIFIED (10%)	PDA	1	\$1,091	\$1,091

TOTAL BRIDGE STRUCTURE \$12,003
CONTINGENCY (20%) \$2,401
TOTAL **\$14,404**



Subject: BRKEY 1060 - Milroy Street
High Priority Repair Estimate

BY: AIS

DATE: 1/28/2023

CHK BY: AL

DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	MOBILIZATION	PDA	7,500	\$1.00	\$7,500
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	12	\$3,000.00	\$36,000
5008-0001	PREFORMED NEOPRENE COMPRESSION JOINT SEAL, MOVEMENT VARIES, MODIFIED	LF	67	\$130.00	\$8,710
9901-0101	FLAGGER	HOUR	192	\$85.00	\$16,320
9090-9002	REPAIR DETERIORATED CONCRETE, AS DIRECTED, > 50 CF	CF	88	\$900.00	\$78,848

TOTAL BRIDGE STRUCTURE \$ 147,378

CONTINGENCY (20%) \$ 29,476

TOTAL \$ 176,854



Subject: BRKEY # 1062 - East St BY: PMD DATE: 1/10/2023
BMS # 02-7301-0000-3137 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$1,174.00	\$1,180.00
4901-0002	Maintenance and Protection of Traffic	DAY	3	\$3,000.00	\$9,000.00
9901-0101	Certified Flaggers	HOUR	48	\$84.50	\$4,060.00
0512-0401	Clean and reseal construction joints	L.F.	135	\$4.00	\$540.00
9008-0010	Replace leaking modular expansion dams at both Abutments	L.F.	70	\$160.00	\$11,200.00

TOTAL BRIDGE STRUCTURE \$25,980.00

CONTINGENCY (20%) \$5,196.00

TOTAL **\$31,180.00**



Subject: BRKEY # 1230 - Baum Blvd BY: PMD DATE: 1/10/2023
BMS # 02-7301-0000-3008 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$4,995.90	\$5,000.00
4901-0001	Maintenance and Protection of Traffic	DAY	3	\$1,500.00	\$4,500.00
9008-0010	Replace/reseal expansion dams at Abutments, Repair hole in hood plate	L.F.	120	\$160.00	\$19,200.00
0505-0001	Repair spalls in Approach slabs along joints	S.Y.	6	\$595.00	\$3,570.00
9090-9002	Repair spalls in top of backwall at Near Abutment	C.Y.	54	\$900.00	\$48,600.00

TOTAL BRIDGE STRUCTURE \$80,870.00

CONTINGENCY (20%) \$16,174.00

TOTAL **\$97,050.00**



Subject: BRKEY 2392 - Alexander Street
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/28/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	MOBILIZATION	PDA	170	\$1.00	\$170
9000-XXXX	PLACE AND RESET MISCELLANEOUS SIGNAGE	LS	1	\$1,500.00	\$1,500

TOTAL BRIDGE STRUCTURE \$ 1,670
CONTINGENCY (20%) \$ 334
TOTAL \$ 2,004



Subject: BRKEY 2395 - Ansonia Place BY: KNO DATE: 12/13/2022
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: Previously recommended PC0 maintenance items was completed by the City as of 10/28/2022.



Subject: City of Pittsburgh High Priority Repair Estimate
 Bajo St (off Becks Run Rd)
 BRKEY 2396 City No. 7

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0931-0001	INSTALL LOAD LIMIT SIGN	EA	2	\$400	\$800
0931-0001	INSTALL CLEARANCE SIGN	EA	4	\$400	\$1,600
0931-0001	INSTALL CLEARANCE SIGN	EA	2	\$400	\$800
1071-0101	ZONE PAINTING EXISTING/NEW STEEL	SF	72	\$60	\$4,320
1072-0200	WASTE MANAGEMENT	LS	1	\$1,500	\$1,500
1072-0300	WORKER HEATH AND SAFETY	LS	1	\$2,000	\$2,000
4901-0001	MINOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	5	\$1,500	\$7,500
5050-0100	FABRICATED STRUCTURAL STEEL, MODIFIED	LB	400	\$12	\$4,800
9001-0031	FOREMAN	HR	40	\$95	\$3,800
9001-0035	IRON WORKER (2)	HR	80	\$82	\$6,560
9001-0101	FLAGGERS (2)	HR	80	\$85	\$6,800
				Subtotal	\$40,480
4608-0001	MOBILIZATION, MODIFIED (7%)	PDA	1	\$2,834	\$2,834

TOTAL BRIDGE STRUCTURE \$43,314
 CONTINGENCY (20%) \$8,663
 TOTAL \$51,976



Subject: BRKEY 2397 - Bigelow Blvd BY: KNO DATE: 1/12/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: PC1 Maintenance item for loose/falling concrete completed by a contractor and exposed reinforcement was painted.
Note 2: Maintenance item was marked as completed/mitigated on 12/7/2022.



Subject: IMMEDIATE & NEAR TERM COST EST. BY: BM DATE: 1/16/2023
BLOOMFIELD BRIDGE; BRKY 2398 CHK BY: SN DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0623-0001	CONCRETE MEDIAN BARRIER	LF	15	\$200.00	\$3,000.00
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	14	\$3,000.00	\$42,000.00
4608-0001	MOBILIZATION, YEAR 1	PDA	1	\$4,500.00	\$4,500.00
					\$0.00
					\$0.00
					\$0.00

TOTAL BRIDGE STRUCTURE \$49,500.00

CONTINGENCY (20%) \$9,900.00

TOTAL \$59,400.00



Subject: BRKEY 2399 - Calera Street #1 BY: KNO DATE: 1/29/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/29/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4901-0002	MAINTENANCE AND PROTECTION OF TRAFFIC	DAYS	1	\$3,000.00	\$3,000
0627-0320	TEMPORARY BARRIER, TEST LEVEL 3	LF	32	\$100.00	\$3,200
9901-0101	FLAGGERS	HOURS	16	\$84.50	\$1,352
0901-XXXX	SIGN INSTALLATION	LS	1	\$2,500.00	\$2,500
0901-XXXX	SIGNS	EA	7	\$200.00	\$1,400
4608-0001	MOBILIZATION	LS	1	\$1,145.20	\$1,145

TOTAL BRIDGE STRUCTURE \$ 12,597
 CONTINGENCY (20%) \$ 2,519
 TOTAL \$ 15,117

Note 1: Bridge is scheduled for possible replacement.

Note 2: PC1 item for beam repair or replacement - City does not want an estimate for maintenance item.

Note 3: MPT includes flaggers and arrow boards.

Note 4: Mobilization set at 10% of total cost (not including contingency)

Note 5: Signage List:

<u>Sign Name</u>		<u>Quantity</u>
One Lane Bridge	W5-2	2
Clearance Marker	OM-3L	2
Clearance Marker	OM-3R	2
Reset Sign	N.A.	1



Subject: BRKEY # 2401 - Corliss St Tunnel BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3018 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$10,000.00	\$10,000.00
4901-0002	Maintenance and Protection of Traffic	DAY	10	\$3,000.00	\$30,000.00
9901-0101	Certified Flaggers	HOUR	160	\$84.50	\$13,520.00
9090-9002	Repair delaminated and spalled areas on tunnel portals	C.F.	200	\$900.00	\$180,000.00
9090-9002	Repair delaminated and spalled areas on tunnel lining	C.F.	2,000	\$900.00	\$1,800,000.00

TOTAL BRIDGE STRUCTURE \$2,033,520.00

CONTINGENCY (20%) \$406,704.00

TOTAL **\$2,440,230.00**



Subject: BRKEY # 2402 - Chartiers Ave

BY: PMD DATE: 1/11/2023

BMS # 02-7301-0000-3020

CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$1,510.00	\$1,510.00
4901-0002	Maintenance and Protection of Traffic	DAY	3	\$3,000.00	\$9,000.00
9901-0101	Certified Flaggers	HOURL	48	\$84.50	\$4,060.00
5008-0001	Replace compression seal at Far Abutment	L.F.	60	\$130.00	\$7,800.00
9008-5001	Repair joint armor at Far Abutment	L.F.	80	\$85.00	\$6,800.00
0680-0003	Waterproof deck curb lines to prevent leakage onto superstructure	S.Y.	10	\$50.00	\$500.00

TOTAL BRIDGE STRUCTURE \$29,670.00

CONTINGENCY (20%) \$5,934.00

TOTAL **\$35,610.00**



Subject: IMMEDIATE & NEAR TERM COST EST. BY: BM DATE: 2/14/2023
WEST CARSON ST; BRKY 2403 CHK BY: SN DATE: 2/14/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
5008-0001	PREFORMED NEOPRENE COMPRESSION JOINT SEAL, MOVE	LF	35	\$130.00	\$4,550.00
*1040-0005	CONCRETE BRIDGE DECK REPAIR, TYPE 3, > 50 SF	SF	140	\$155.00	\$21,700.00
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	4	\$3,000.00	\$12,000.00
4608-0001	MOBILIZATION, YEAR 1	PDA	1	\$3,825.00	\$3,825.00
					\$0.00
					\$0.00

TOTAL BRIDGE STRUCTURE \$42,075.00

* - use Type 3 repair for modular dam deck blackout repair

CONTINGENCY (20%) \$8,415.00

TOTAL \$50,490.00



Subject: BRKEY 2404 - Columbus Ave BY: KNO DATE: 1/31/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4901-0002	MAINTENANCE AND PROTECTION OF TRAFFIC	DAYS	2	\$3,000.00	\$3,000
1040-0002	CONCRETE BRIDGE DECK REPAIR, TYPE 2	SF	5	\$150.00	\$750
5008-0001	PERFORMED NEOPRENE COMPRESSION JOINT SEAL	LF	50	\$130.00	\$6,500
9901-0101	FLAGGERS	HOURS	16	\$84.50	\$1,352
0901-XXXX	SIGN INSTALLATION	LS	1	\$2,500.00	\$2,500
0901-XXXX	SIGNS	EA	4	\$200.00	\$800
4608-0001	MOBILIZATION	LS	1	\$1,490.20	\$1,491

TOTAL BRIDGE STRUCTURE \$ 16,393
CONTINGENCY (20%) \$ 3,279
TOTAL \$ 19,672

- Note 1: MPT includes flaggers and arrow boards.
 Note 2: Based on Publication 55, assume 30LF of joint per day.
 Note 3: Joint replacement is a current PC2.
 Note 4: Mobilization set at 10% of total cost (not including contingency)
 Note 5: Signage List:

<u>Sign Name</u>		<u>Quantity</u>
Distance Ahead	W16-103P	2
Clearance Marker	OM-3L	1
Clearance Marker	OM-3R	1



Subject: BRKEY # 2405 - Crane Ave BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3023 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$1,863.00	\$1,870.00
4901-0002	Maintenance and Protection of Traffic	DAY	2	\$3,000.00	\$6,000.00
9901-0101	Certified Flaggers	HOUR	32	\$84.50	\$2,710.00
0204-0001	Remove sediment deposits from barrel and up/downstream channels	C.Y.	520	\$30.00	\$15,600.00
0850-0033	Backfill scour holes upstream and along exposed footings	C.Y.	10	\$115.00	\$1,150.00
0850-0034	Place rock protection at upstream embankments and culvert nose	C.Y.	15	\$125.00	\$1,880.00

TOTAL BRIDGE STRUCTURE \$29,210.00
CONTINGENCY (20%) \$5,842.00
TOTAL **\$35,060.00**



Subject: BRKEY 2407 - Eads Street BY: KNO DATE: 1/29/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/29/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0901-XXXX	SIGN INSTALLATION	LS	1	\$2,500.00	\$2,500
0901-XXXX	SIGNS	EA	6	\$200.00	\$1,200
4608-0001	MOBILIZATION	LS	1	\$370.00	\$370

TOTAL BRIDGE STRUCTURE \$ 4,070
CONTINGENCY (20%) \$ 814
TOTAL \$ 4,884

Note 1: Maintenance item PC 1 was completed on 11/22/2022

Note 2: Signage List:

<u>Sign Name</u>		<u>Quantity</u>
One Lane Bridge	W5-2	2
Clearance Marker	OM-3L	2
Clearance Marker	OM-3R	2



Subject: BRKEY # 2408 - Edgebrook Ave BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3028 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$314.00	\$320.00
4901-0002	Maintenance and Protection of Traffic	DAY	2	\$3,000.00	\$6,000.00
9901-0101	Certified Flaggers	HOUR	32	\$84.50	\$2,710.00
0626-0030	Underpin gabion channel walls	C.Y.	2	\$350.00	\$700.00
0850-0035	Place rock protection along gabion walls	C.Y.	10	\$140.00	\$1,400.00
9605-1300	Reset drainage inlet at Near Right approach	EA.	1	\$1,000.00	\$1,000.00
4413-0427	Patch approach roadway pavement	S.Y.	2	\$19.00	\$40.00

TOTAL BRIDGE STRUCTURE \$12,170.00
CONTINGENCY (20%) \$2,434.00
TOTAL **\$14,610.00**



Subject: BRKEY # 2409 - Elizabeth St BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3029 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$9,789.50	\$9,790.00
4901-0002	Maintenance and Protection of Traffic	DAY	5	\$3,000.00	\$15,000.00
9901-0101	Certified Flaggers	HOURL	80	\$84.50	\$6,760.00
9090-9002	Repair spalls and holes in backwall at Near Left Abutment	C.F.	81	\$900.00	\$72,900.00
1040-0003	Repair spalls and holes in Left and Right corners of Far side of deck	S.F.	90	\$125.00	\$11,250.00
4676-0002	Repair spalls and holes in sidewalks at both Abutments	S.Y.	3	\$180.00	\$540.00
5008-0001	Replace compression seals at both Abutments and Pier	L.F.	66	\$130.00	\$8,580.00
9630-00411	Repair spalls in deck curbs	L.F.	6	\$60.00	\$360.00
9090-4003	Reset bearings at Near Abutment and Pier	EA.	4	\$1,500.00	\$6,000.00
5050-0001	Replace end diaphragms in Bays 1 & 4 at both Abutments	LB.	4,800	\$12.00	\$57,600.00
9001-0035	Iron Worker	HOURL	400	\$82.00	\$32,800.00
9070-4004	Paint replaced steel diaphragms	S.F.	96	\$60.00	\$5,760.00

TOTAL BRIDGE STRUCTURE \$227,340.00

CONTINGENCY (20%) \$45,468.00

TOTAL \$272,810.00



Subject: City of Pittsburgh High Priority Repair Estimate
 Fort Pitt Blvd (Commonwealth to Wood)
 BRKEY 2412 City No. 35

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
9008-0010	NEOPRENE STRIP SEAL, MOVEMENT VARIES, SPECIAL	LF	80	\$160	\$12,800
9108-0012	MAJOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	3	\$3,000	\$9,000
9108-0012	PORTABLE LIGHT TOWERS	HOUR	24	\$18	\$432
				Subtotal	\$22,232
4608-0001	MOBILIZATION, MODIFIED (10%)	PDA	1	\$2,223	\$2,223

TOTAL BRIDGE STRUCTURE \$24,455
CONTINGENCY (20%) \$4,891
TOTAL **\$29,346**

Notes: Assumed construction work will be done at night.



Subject: BRKEY # 2413 - Franum St (Ensign Ave) BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3036 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$6,561.10	\$6,570.00
4901-0001	Maintenance and Protection of Traffic	DAY	4	\$1,500.00	\$6,000.00
4413-0427	Mill the deck wearing surface	S.Y.	130	\$20.00	\$2,600.00
4413-0427	Tack coat for new wearing surface	S.Y.	130	\$2.50	\$330.00
4413-0427	Replace the deck wearing surface	S.Y.	130	\$19.00	\$2,470.00
0680-0003	Install new waterproof membrane on deck	S.Y.	130	\$50.00	\$6,500.00
9000-0001	Clean and replace the steel expansion dams	L.F.	64	\$1,150.00	\$73,600.00
0850-0035	Place rock protection in front of both Abutments and Far Left Wingwall	C.Y.	30	\$140.00	\$4,200.00
0850-0033	Backfill scour hole at Far Abutment	C.Y.	35	\$115.00	\$4,030.00

TOTAL BRIDGE STRUCTURE \$106,300.00

CONTINGENCY (20%) \$21,260.00

TOTAL **\$127,560.00**



Subject: City of Pittsburgh High Priority Repair Estimate
 Corley St (Ganges Way)
 BRKEY 2414 City No. 38

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1040-0003	CONCRETE BRIDGE DECK REPAIR, TYPE 2, > 50SF	SF	450	\$125	\$56,250
4901-0002	MAJOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	5	\$3,000	\$15,000
9001-0101	FLAGGERS (2)	HR	80	\$85	\$6,800
9090-9001	REPAIR DETERIORATED CONCRETE, AS DIRECTED, < 50SF	SF	10	\$1,000	\$10,000
				Subtotal	\$88,050
					\$0
4608-0001	MOBILIZATION, MODIFIED (5%)	PDA	1	\$4,403	\$4,403

TOTAL BRIDGE STRUCTURE \$92,453
CONTINGENCY (20%) \$18,491
TOTAL **\$110,943**



Subject: BRKEY 2416 - Herron Ave
High Priority Repair Estimate

BY: AIS
 CHK BY: AL

DATE: 1/25/2023
 DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1040-0002	CONCRETE BRIDGE DECK REPAIR, TYPE 2, < 50 SF	SF	21	\$150.00	\$3,150
1040-0005	CONCRETE BRIDGE DECK REPAIR, TYPE 3, > 50 SF	SF	96	\$155.00	\$14,949
4608-0001	MOBILIZATION	PDA	10,000	\$1.00	\$10,000
4676-0002	CONCRETE SIDEWALK, 4", MODIFIED	SY	30	\$165.00	\$4,950
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	8	\$3,000.00	\$24,000
5008-0001	PREFORMED NEOPRENE COMPRESSION JOINT SEAL, MOVEMENT VARIES, MODIFIED	LF	96	\$130.00	\$12,480
5050-0100	FABRICATED STRUCTURAL STEEL, MODIFIED	LB	1,592	\$12.00	\$19,099
9000-XXXX	FABRICATED STRUCTURAL STEEL LABOR	LB	1,592	\$12.00	\$19,099
9000-XXXX	RAILROAD COORDINATION	PDA	23,500	\$1.00	\$23,500
9000-XXXX	ASPHALT PATCHING	PDA	1,500	\$1.00	\$1,500
9000-XXXX	REPAIR CRACKED WELD	PDA	5,222	\$1.00	\$5,222
9090-9002	REPAIR DETERIORATED CONCRETE, AS DIRECTED, > 50 CF	CF	240	\$900.00	\$216,000
9901-0101	FLAGGER	HOUR	128	\$85.00	\$10,880

Note: Superstructure steel is weathering steel.

TOTAL BRIDGE STRUCTURE \$ 364,828
CONTINGENCY (20%) \$ 72,966
TOTAL \$ 437,794



Subject: BRKEY # 2417 - 30th St Bridge (Herrs Island) BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3041 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$9,938.00	\$9,940.00
4901-0002	Maintenance and Protection of Traffic	DAY	8	\$3,000.00	\$24,000.00
9901-0101	Certified Flaggers	HOUR	128	\$84.50	\$10,820.00
9000-0001	Replace modular dam	L.F.	30	\$1,150.00	\$34,500.00
0513-0401	Clean and reseal joints at Near Abutment and Piers 1 & 2	L.F.	84	\$5.00	\$420.00
1040-0003	Patch spalls in deck	S.F.	1,100	\$125.00	\$137,500.00
1019-0020	Remove and replace the deck wearing surface	S.Y.	878	\$30.00	\$26,340.00

TOTAL BRIDGE STRUCTURE \$243,520.00
CONTINGENCY (20%) \$48,704.00
TOTAL **\$292,230.00**



Subject: BRKEY # 2419 - Larimer Ave BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3047 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$10,000.00	\$10,000.00
4901-0002	Maintenance and Protection of Traffic	DAY	6	\$3,000.00	\$18,000.00
9901-0101	Certified Flaggers	HOUR	96	\$84.50	\$8,120.00
9008-5001	Replace leaking deck joints	L.F.	180	\$85.00	\$15,300.00
9090-9002	Repair delaminated and spalled areas on Piers	C.F.	270	\$900.00	\$243,000.00
9090-9001	Repair delaminated and spalled areas on concrete diaphragms	C.F.	20	\$1,000.00	\$20,000.00
1040-0003	Repair delaminated and spalled areas on deck	S.F.	108	\$125.00	\$13,500.00
9090-9002	Repair delaminated and spalled beams and other superstructure members	C.F.	290	\$900.00	\$261,000.00
9090-9002	Apply protective coating to superstructure repairs	S.Y.	33	\$10.00	\$330.00

TOTAL BRIDGE STRUCTURE \$589,250.00
CONTINGENCY (20%) \$117,850.00
TOTAL **\$707,100.00**



Subject: BRKEY # 2420 - Lincoln Ave BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3048 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$677.00	\$680.00
4901-0001	Maintenance and Protection of Traffic	DAY	2	\$1,500.00	\$3,000.00
4676-0001	Repair delaminated and spalled areas of sidewalk	S.Y.	41	\$165.00	\$6,770.00

TOTAL BRIDGE STRUCTURE \$10,450.00

CONTINGENCY (20%) \$2,090.00

TOTAL **\$12,540.00**



Subject: IMMEDIATE & NEAR TERM COST EST. BY: BM DATE: 1/16/2023
MAPLE AVENUE; BRKY 2422 CHK BY: SN DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
*1040-0005	CONCRETE BRIDGE DECK REPAIR, TYPE 3, > 50 SF	SF	135	\$155.00	\$20,925.00
1040-0004	CONCRETE BRIDGE DECK REPAIR, TYPE 3, < 50 SF	SF	20	\$185.00	\$3,700.00
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	5	\$3,000.00	\$15,000.00
4608-0001	MOBILIZATION, YEAR 1	PDA	1	\$3,962.50	\$3,962.50
					\$0.00
					\$0.00

TOTAL BRIDGE STRUCTURE \$43,587.50

* - use Type 3 repair for Sidewalk also

CONTINGENCY (20%) \$8,717.50

TOTAL \$52,305.00



Subject: BRKEY 2423 - Robert McAfee Bridge
(California Ave)
High Priority Repair Estimate

BY: AIS DATE: 1/26/2023
CHK BY: AL DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1040-0002	CONCRETE BRIDGE DECK REPAIR, TYPE 2, < 50 SF	SF	12	\$150.00	\$1,800
4608-0001	MOBILIZATION	PDA	3,000	\$1.00	\$3,000
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	2	\$3,000.00	\$6,000
5008-0001	PREFORMED NEOPRENE COMPRESSION JOINT SEAL, MOVEMENT VARIES, MODIFIED	LF	209	\$130.00	\$27,170
9900-9003	STEEL PLATE INSTALLATION, SPECIAL	EA	1	\$3,500.00	\$3,500
9901-0101	FLAGGER	HOUR	32	\$85.00	\$2,720

TOTAL BRIDGE STRUCTURE \$ 44,190
CONTINGENCY (20%) \$ 8,838
TOTAL \$ 53,028



Subject: BRKEY # 2424 - McArdle Roadway over Sycamore BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3053 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$511.00	\$520.00
4901-0002	Maintenance and Protection of Traffic	DAY	2	\$3,000.00	\$6,000.00
9901-0101	Certified Flaggers	HOUR	32	\$84.50	\$2,710.00
9605-1300	Clean and flush scuppers and downspouts	EA.	1	\$1,000.00	\$1,000.00
5008-0001	Repair leaking compression joint at Near Abutment	L.F.	27	\$130.00	\$3,510.00
5050-0100	Replace broken scupper grate in Span 3	LB.	50	\$12.00	\$600.00

TOTAL BRIDGE STRUCTURE \$14,340.00
CONTINGENCY (20%) \$2,868.00
TOTAL **\$17,210.00**



Subject: BRKEY # 2425 - McArdle Roadway over Hillside BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3054 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$1,896.00	\$1,900.00
4901-0002	Maintenance and Protection of Traffic	DAY	6	\$3,000.00	\$18,000.00
9901-0101	Certified Flaggers	HOUR	96	\$84.50	\$8,120.00
4627-0001	Install bridge barrier along Right sidewalk	L.F.	300	\$60.00	\$18,000.00
9630-0410	Repair delaminated and spalled areas of sidewalk header curb	L.F.	8	\$120.00	\$960.00

TOTAL BRIDGE STRUCTURE \$46,980.00

CONTINGENCY (20%) \$9,396.00

TOTAL **\$56,380.00**



Subject: BRKEY # 2426 - Meadow St BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3057 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$841.00	\$850.00
4901-0001	Maintenance and Protection of Traffic	DAY	2	\$1,500.00	\$3,000.00
5008-0001	Replace leaking compression seal at Far Abutment	L.F.	57	\$130.00	\$7,410.00
9090-9001	Repair delaminated and spalled pedestal	C.F.	1	\$1,000.00	\$1,000.00

TOTAL BRIDGE STRUCTURE \$12,260.00

CONTINGENCY (20%) \$2,452.00

TOTAL **\$14,720.00**



Subject: BRKEY 2427 - Mission Street (East)
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/27/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0203-0001	CLASS 1 EXCAVATION	CY	20	\$30.00	\$600
1071-0101	SPOT PAINTING EXISTING STRUCTURAL STEEL	LS	1	\$4,406.25	\$4,406
1072-0200	WASTE MANAGEMENT	LS	1	\$1,500.00	\$1,500
1072-0300	WORKER HEALTH AND SAFETY	LS	1	\$2,000.00	\$2,000
4608-0001	MOBILIZATION	PDA	1,400	\$1.00	\$1,400
5050-0100	FABRICATED STRUCTURAL STEEL, MODIFIED	LB	59	\$12.00	\$705
9000-XXXX	SIDEWALK GRATE REPAIR	PDA	1,200	\$1.00	\$1,200
9000-XXXX	FABRICATED STRUCTURAL STEEL LABOR	LB	59	\$12.00	\$705
9090-0001	BRIDGE CLEANING AND WASHING, SPECIAL	SF	1,121	\$2.00	\$2,242

TOTAL BRIDGE STRUCTURE \$ 14,758
CONTINGENCY (20%) \$ 2,952
TOTAL \$ 17,710



Subject: BRKEY 2428 - Mission Street West BY: KNO DATE: 12/3/2022
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.
Note 2: Reviewed most recent inspection report (9/16/2022). Additional PC2 items, but none with a potential to be a PC1 within 5 years.



Subject: BRKEY 2429 - McArdle Roadway Viaduct BY: KNO DATE: 1/12/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.



Subject: BRKEY # 2432 - W North Ave & Brighton Rd BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3067 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$10,000.00	\$10,000.00
4901-0002	Maintenance and Protection of Traffic	DAY	8	\$3,000.00	\$24,000.00
9901-0101	Certified Flaggers	HOURL	128	\$84.50	\$10,820.00
9000-0001	Railroad Coordination	PDA	1	\$30,000.00	\$30,000.00
1040-0003	Repair spalls to underside of Deck	S.F.	1,350	\$125.00	\$168,750.00
1040-0002	Repair spalls to Deck along Near Abutment	S.F.	9	\$150.00	\$1,350.00
1016-0103	Install fencing to close access to Right sidewalk	L.F.	150	\$300.00	\$45,000.00
5050-0100	Repair Floorbeams and Girder 1 with bottom flange loss	LB.	3,300	\$12.00	\$39,600.00
9001-0035	Iron Worker	HOURL	256	\$82.00	\$21,000.00
9070-4004	Paint steel repair areas	S.F.	15	\$60.00	\$900.00

TOTAL BRIDGE STRUCTURE \$351,420.00
CONTINGENCY (20%) \$70,284.00
TOTAL **\$421,710.00**



Subject: City of Pittsburgh High Priority Repair Estimate
 Radcliffe St
 BRKEY 2435 City No. 78

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0505-0001	BRIDGE APPROACH SLAB	SY	10	\$595	\$5,950
1040-0003	CONCRETE BRIDGE DECK REPAIR, TYPE 2, > 50SF	SF	72	\$125	\$9,000
1091-0001	EPOXY INJECTION CRACK SEAL	LF	36	\$150	\$5,400
4901-0002	MAJOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	10	\$3,000	\$30,000
9001-0101	FLAGGERS (2)	HR	160	\$85	\$13,600
9090-9001	REPAIR DETERIORATED CONCRETE, AS DIRECTED, < 50SF	SF	36	\$1,000	\$36,000
				<i>Subtotal</i>	<i>\$99,950</i>
4608-0001	MOBILIZATION, MODIFIED (5%)	PDA	1	\$4,998	\$4,998

TOTAL BRIDGE STRUCTURE \$104,948
CONTINGENCY (20%) \$20,990
TOTAL **\$125,937**



Subject: IMMEDIATE & NEAR TERM COST EST. BY: BM DATE: 1/16/2023
RIVER AVE VIADUCT; BRKY 2437 CHK BY: SN DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1040-0004	CONCRETE BRIDGE DECK REPAIR, TYPE 3, < 50 SF	SF	1	\$185.00	\$185.00
9008-0010	NEOPRENE STIP SEAL DAM, MOVEMENT VARIES, SPECIAL	LF	150	\$160.00	\$24,000.00
*1040-0004	CONCRETE BRIDGE DECK REPAIR, TYPE 3, < 50 SF	SF	50	\$185.00	\$9,250.00
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	5	\$3,000.00	\$15,000.00
4608-0001	MOBILIZATION, YEAR 1	PDA	1	\$4,843.50	\$4,843.50
					\$0.00

TOTAL BRIDGE STRUCTURE \$53,278.50

* - use Type 3 repair for modular dam deck blackout repair

CONTINGENCY (20%) \$10,655.70

TOTAL \$63,934.20



Subject: BRKEY # 2438- Schenley Dr BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3084 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$330.00	\$330.00
4901-0001	Maintenance and Protection of Traffic	DAY	2	\$1,500.00	\$3,000.00
4676-0001	Repair settled and spalled sidewalks	S.Y.	20	\$165.00	\$3,300.00

TOTAL BRIDGE STRUCTURE \$6,630.00
CONTINGENCY (20%) \$1,326.00
TOTAL **\$7,960.00**



Subject: BRKEY 2439 - Panther Hollow Road
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/27/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1040-0004	CONCRETE BRIDGE DECK REPAIR, TYPE 3, < 50 SF	SF	4	\$185.00	\$740
4608-0001	MOBILIZATION	PDA	100	\$1.00	\$100

TOTAL BRIDGE STRUCTURE \$ 840
CONTINGENCY (20%) \$ 168
TOTAL \$ 1,008



Subject: BRKEY 2445 - Schenley Park #1 BY: KNO DATE: 1/5/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: Maintenance items was already completed by DOMI.



Subject: BRKEY 2446 - Schenley Park #2 BY: KNO DATE: 1/5/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.



Subject: BRKEY 2447 - Second Avenue BY: KNO DATE: 1/29/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/29/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0901-XXXX	SIGNS	EA	9	\$200.00	\$1,800
0901-XXXX	SIGN INSTALLATION	LS	1	\$2,500.00	\$2,500
4901-0001	MAINTENANCE AND PROTECTION OF TRAFFIC	DAYS	1	\$1,500.00	\$1,500
4608-0001	MOBILIZATION	LS	1	\$580.00	\$581

TOTAL BRIDGE STRUCTURE \$ 6,381
CONTINGENCY (20%) \$ 1,276
TOTAL \$ 7,657

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.

Note 2: MPT does not include flaggers or arrow boards

Note 3: Mobilization set at 10% of total cost (not including contingency)

Note 4: Signage List:

<u>Sign Name</u>		<u>Quantity</u>
One Lane Bridge	W5-2	2
Clearance Marker	OM-3L	2
Clearance Marker	OM-3R	2
Bridge	R12-1-2	1
Weight Limit	R12-1	1
Reset Sign	N.A.	1



Subject: BRKEY 2448 - Shadeland Ave
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/28/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	MOBILIZATION	PDA	1,300	\$1.00	\$1,300
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	1	\$3,000.00	\$3,000
9008-0010	NEOPRENE STRIP SEAL, MOVEMENT VARIES, SPECIAL	LF	41	\$160.00	\$6,620
9901-0101	FLAGGER	HOUR	16	\$85.00	\$1,360

TOTAL BRIDGE STRUCTURE \$ 12,280
CONTINGENCY (20%) \$ 2,456
TOTAL \$ 14,736



Subject: BRKEY 2449 - Shaler Street
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/27/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1071-0101	SPOT PAINTING EXISTING STRUCTURAL STEEL	LS	1	\$76,616.78	\$76,617
1072-0100	CONTAINMENT	LS	1	\$2,000.00	\$2,000
1072-0200	WASTE MANAGEMENT	LS	1	\$1,500.00	\$1,500
1072-0300	WORKER HEALTH AND SAFETY	LS	1	\$2,000.00	\$2,000
4608-0001	MOBILIZATION	PDA	10,000	\$1.00	\$10,000
4901-0001	MINOR MPT DURING CONSTRUCTION, MODIFIED	DAY	10	\$1,500.00	\$15,000
5050-0100	FABRICATED STRUCTURAL STEEL, MODIFIED	LB	3,831	\$12.00	\$45,970
9000-XXXX	FABRICATED STRUCTURAL STEEL LABOR	LB	3,831	\$12.00	\$45,970
9000-XXXX	DECK PLATE REPAIR	PDA	29,063	\$1.00	\$29,063
9090-9002	REPAIR DETERIORATED CONCRETE, AS DIRECTED, > 50 CF	CF	132	\$900.00	\$118,800

TOTAL BRIDGE STRUCTURE \$ 346,919
CONTINGENCY (20%) \$ 69,384
TOTAL \$ 416,303



Subject: BRKEY 2450 - South Aiken BY: KNO DATE: 2/1/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 2/1/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4901-0002	MAINTENANCE AND PROTECTION OF TRAFFIC	DAYS	9	\$3,000.00	\$27,000
9901-0101	FLAGGERS	HOURS	144	\$84.50	\$12,168
5008-0001	PREFORMED NEOPRENE COMPRESSION JOINT SEAL	LF	40	\$130.00	\$5,200
1021-0001	ARMORED PREFORMED NEOPRENE COMPRESSION DAM	LF	40	\$175.00	\$7,000
1040-0005	CONCRETE BRIDGE DECK REPAIR, TYPE 3	SF	160	\$155.00	\$24,800
4608-0001	MOBILIZATION	LS	1	\$5,331.76	\$5,332

TOTAL BRIDGE STRUCTURE \$ 81,500
CONTINGENCY (20%) \$ 16,300
TOTAL \$ 97,800

- Note 1: Based on Publication 55, assume 9LF of joint per day.
- Note 2: MPT includes flaggers and arrow boards.
- Note 3: Mobilization set at 7% of total cost (not including contingency)
- Note 4: Near joint requires seal replacement only.
- Note 5: Far joint requires old joint to be removed, new armoring, seal and adjacent header work.



Subject: BRKEY 2452 - South Millvale Ave BY: KNO DATE: 1/10/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.



Subject: BRKEY # 2453 - S Negley Ave

BY: PMD DATE: 1/11/2023

BMS # 02-7301-0000-3012

CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$10,000.00	\$10,000.00
4901-0002	Maintenance and Protection of Traffic	DAY	5	\$3,000.00	\$15,000.00
9901-0101	Certified Flaggers	HOUR	80	\$84.50	\$6,760.00
9000-0001	Railroad Coordination	PDA	1	\$22,500.00	\$22,500.00
4676-0001	Repair sidewalk approach to remove tripping hazard at Near Left	S.Y.	4	\$165.00	\$660.00
9090-9002	Repair deteriorated masonry Wingwalls	C.F.	405	\$900.00	\$364,500.00
1016-0103	Install structure mounted bridge railing	L.F.	212	\$300.00	\$63,600.00
5050-0100	Repair deteriorated Floorbeam cantilever brackets	LB.	2,400	\$12.00	\$28,800.00
9001-0035	Iron Worker	HOUR	240	\$82.00	\$19,680.00
9070-4004	Paint repaired cantilevers	S.F.	32	\$60.00	\$1,920.00
5008-5001	Replace compression seals at both Abutments	L.F.	104	\$130.00	\$13,520.00

TOTAL BRIDGE STRUCTURE \$546,940.00

CONTINGENCY (20%) \$109,388.00

TOTAL **\$656,330.00**



Subject: BRKEY # 2454 - S 12th St BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3104 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$166.00	\$170.00
4901-0002	Maintenance and Protection of Traffic	DAY	1	\$3,000.00	\$3,000.00
9901-0101	Certified Flaggers	HOUR	16	\$84.50	\$1,360.00
0491-0070	Mill existing approach roadway	S.Y.	40	\$20.00	\$800.00
0460-0001	Approach roadway tack coat	S.Y.	40	\$2.50	\$100.00
4413-0427	Patch and seal approach roadway	S.Y.	40	\$19.00	\$760.00

TOTAL BRIDGE STRUCTURE \$6,190.00
CONTINGENCY (20%) \$1,238.00
TOTAL **\$7,430.00**



Subject: BRKEY # 2455 - Stanwix St BY: PMD DATE: 1/11/2023
BMS # 02-7301-0000-3106 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$7,634.00	\$7,640.00
4901-0002	Maintenance and Protection of Traffic	DAY	2	\$3,000.00	\$6,000.00
9901-0101	Certified Flaggers	HOURL	32	\$84.50	\$2,710.00
9090-9002	Repair delaminated and spalled areas of both Abutments	C.F.	162	\$900.00	\$145,800.00
5050-0100	Remove plug welds from Girder 3	LB.	300	\$12.00	\$3,600.00
9001-0035	Iron Worker	HOURL	40	\$82.00	\$3,280.00

TOTAL BRIDGE STRUCTURE \$169,030.00
CONTINGENCY (20%) \$33,806.00
TOTAL **\$202,840.00**



Subject: City of Pittsburgh High Priority Repair Estimate
 Swindel Bridge over I-279
 BRKEY 2456 City No. 109

BY: DAM Date: 02/07/2023
 CHK BY: LAA Date: 02/08/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0605-2700	INLET GRATE	EA	1	\$800	\$800
1016-0103	SIDEWALK PROTECTIVE FENCE, VINYL COATED STEEL	LF	250	\$300	\$75,000
1020-0002	TOOTH EXPANSION DAM DRAIN TROUGH, MODIFIED	LF	40	\$1,000	\$40,000
1040-0003	CONCRETE BRIDGE DECK REPAIR, TYPE 2, > 50SF	SF	1862	\$125	\$232,750
1040-0005	CONCRETE BRIDGE DECK REPAIR, TYPE 3, > 50SF	SF	1862	\$155	\$288,610
1051-0001	DOWNSPOUTING 6"-8" DIAMETER	LF	30	\$110	\$3,300
1071-0101	ZONE PAINTING EXISTING/NEW STEEL	SF	3,100	\$60	\$186,000
1072-0200	WASTE MANAGEMENT	LS	1	\$1,500	\$1,500
1072-0300	WORKER HEATH AND SAFETY	LS	1	\$2,000	\$2,000
4676-0002	CONCRETE SIDEWALK, 6", MODIFIED	SY	200	\$180	\$36,000
5008-0001	PREFORMED NEOPRENE COMPRESSION SEAL, MOVEMENT VARIES, MODIFIED	LF	105	\$130	\$13,650
5050-0100	FABRICATED STRUCTURAL STEEL, MODIFIED	LB	12000	\$12	\$144,000
9001-0031	FOREMAN	HR	120	\$95	\$11,400
9001-0035	IRON WORKER (4)	HR	480	\$82	\$39,360
9630-0411	CONCRETE DECK CURB, CITY STANDARD	LF	447	\$60	\$26,820
9901-0002	MPT DURING CONSTRUCTION, DETOUR ONE-HALF MILE TO ONE MILE	EA	2	\$10,500	\$21,000
				Subtotal	\$1,122,190
4608-0001	MOBILIZATION, MODIFIED	PDA	1	\$10,000	\$10,000

TOTAL BRIDGE STRUCTURE \$1,132,190
CONTINGENCY (20%) \$226,438
TOTAL **\$1,358,628**



Subject: IMMEDIATE & NEAR TERM COST EST. BY: BM DATE: 1/16/2023
SWINBURNE BRIDGE; BRKY 2457 CHK BY: SN DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
9008-0010	NEOPRENE STIP SEAL DAM, MOVEMENT VARIES, SPECIAL	LF	30	\$160.00	\$4,800.00
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	2	\$3,000.00	\$6,000.00
4608-0001	MOBILIZATION, YEAR 1	PDA	1	\$1,080.00	\$1,080.00
					\$0.00
					\$0.00
					\$0.00

TOTAL BRIDGE STRUCTURE \$11,880.00

CONTINGENCY (20%) \$2,376.00

TOTAL \$14,256.00



Subject: City of Pittsburgh High Priority Repair Estimate
 Brighton Heights Blvd (Termon Ave)
 BRKEY 2458 City No. 112

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1040-0003	CONCRETE BRIDGE DECK REPAIR, TYPE 2, > 50SF	SF	225	\$125	\$28,125
4901-0001	MINOR MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	8	\$1,500	\$12,000
5008-0001	PREFORMED NEOPRENE COMPRESSION JOINT SEAL, MOVEMENT VARIES, MODIFIED	LF	170	\$130	\$22,100
9001-0101	FLAGGERS (2)	HR	128	\$85	\$10,880
0931-0001	INSTALL CLEARANCE SIGN	EA	1	\$105	\$105
9090-9002	REPAIR DETERIORATED CONCRETE, AS DIRECTED, > 50SF	SF	54	\$900	\$48,600
				Subtotal	\$121,810
4608-0001	MOBILIZATION, MODIFIED (5%)	PDA	1	\$6,091	\$6,091

TOTAL BRIDGE STRUCTURE \$127,901
CONTINGENCY (20%) \$25,580
TOTAL **\$153,481**



Subject: BRKEY 2459 - Timberland Ave BY: KNO DATE: 12/13/2022
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: Previously recommended PC1 maintenance items was completed by the City as of 10/21/2022.



Subject: BRKEY # 2461 - 28th St BY: PMD DATE: 1/12/2023
BMS # 02-7301-0000-3115 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$9,846.00	\$9,850.00
4901-0001	Maintenance and Protection of Traffic	DAY	5	\$1,500.00	\$7,500.00
0931-0001	Replace the load posting sign at the Far approach	EA.	1	\$515.02	\$520.00
9090-4003	Replace the steel bearings at Far Abutment	EA.	8	\$1,500.00	\$12,000.00
5050-0100	Repair/replace steel Bents 2 & 4	LB.	13,500	\$12.00	\$162,000.00
9001-0035	Iron Worker	HOURL	200	\$82.00	\$16,400.00
9070-4004	Paint steel repair areas	S.F.	100	\$60.00	\$6,000.00

TOTAL BRIDGE STRUCTURE \$214,270.00
CONTINGENCY (20%) \$42,854.00
TOTAL **\$257,130.00**



Subject: BRKEY # 2463 - Wood St BY: PMD DATE: 1/12/2023
BMS # 02-7301-0000-3120 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$7,262.00	\$7,270.00
4901-0002	Maintenance and Protection of Traffic	DAY	2	\$3,000.00	\$6,000.00
9901-0101	Certified Flaggers	HOURL	32	\$84.50	\$2,710.00
9090-9002	Repair deteriorated areas of both Abutments and Columns	C.F.	135	\$900.00	\$121,500.00
5050-0100	Remove plug welds from Girders 1 & 3 and Floorbeam 7	LB.	900	\$12.00	\$10,800.00
5050-0100	Install high strength bolts in rivet holes to Floorbeam 7	LB.	750	\$12.00	\$9,000.00
9001-0035	Iron Worker	HOURL	40	\$82.00	\$3,280.00
9070-4004	Paint the steel repair areas	S.F.	11	\$60.00	\$660.00

TOTAL BRIDGE STRUCTURE \$161,220.00
CONTINGENCY (20%) \$32,244.00
TOTAL **\$193,470.00**



Subject: BRKEY # 2465 - Commercial St BY: PMD DATE: 1/12/2023
BMS # 02-7301-0000-3122 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$10,000.00	\$10,000.00
4901-0002	Maintenance and Protection of Traffic	DAY	5	\$3,000.00	\$15,000.00
9901-0101	Certified Flaggers	HOUR	80	\$84.50	\$6,760.00
9090-9002	Replace deteriorated Wingwalls and repair upstream headwall	C.F.	297	\$900.00	\$267,300.00
9090-9002	Repair spalls in culvert arch	C.F.	135	\$900.00	\$121,500.00
0850-0033	Backfill the scour holes at the corners	C.Y.	2	\$115.00	\$230.00

TOTAL BRIDGE STRUCTURE \$420,790.00

CONTINGENCY (20%) \$84,158.00

TOTAL **\$504,950.00**



Subject: BRKEY 2466 - E. Sycamore Street BY: KNO DATE: 2/1/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 2/1/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4901-0002	MAINTENANCE AND PROTECTION OF TRAFFIC	DAYS	7	\$3,000.00	\$21,000
9901-0101	FLAGGERS	HOURS	112	\$84.50	\$9,464
5008-0001	PREFORMED NEOPRENE COMPRESSION JOINT SEAL	LF	60	\$130.00	\$7,800
1040-0005	CONCRETE BRIDGE DECK REPAIR, TYPE 3	SF	240	\$155.00	\$37,200
4608-0001	MOBILIZATION	LS	1	\$5,282.48	\$5,282

TOTAL BRIDGE STRUCTURE \$ 80,746
CONTINGENCY (20%) \$ 16,149
TOTAL \$ 96,896

- Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.
- Note 2: Joint replacement is a current PC2.
- Note 3: Based on Publication 55, assume 9LF of joint per day.
- Note 4: MPT includes flaggers and arrow boards.
- Note 5: Mobilization set at 7% of total cost (not including contingency)
- Note 6: Near and Far joints require seal replacement and adjacent header work.



Subject: BRKEY 2468 - Larimer Ave BY: KNO DATE: 1/10/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.
Note 2: Bridge is listed in the 1st Four Years of the August 2021 issue of the 12-Year Program for replacement or rehabilitation. Final Design is anticipated to begin in 2022, Construction Start anticipated in Summer 2024 and Construction Completion anticipated in October 2026.



Subject: City of Pittsburgh High Priority Repair Estimate
 E Liberty Blvd (NB)
 BRKEY 2470 City No. 31

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4676-0002	CONCRETE SIDEWALK, 6"MODIFIED	SY	120	\$180	\$21,600
4901-0001	MINOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	5	\$1,500	\$7,500
9090-9001	REPAIR DETERIORATED CONCRETE, AS DIRECTED, < 50SF	SF	10	\$1,000	\$10,000
				Subtotal	\$39,100
4608-0001	MOBILIZATION, MODIFIED (7%)	PDA	1	\$2,737	\$2,737

TOTAL BRIDGE STRUCTURE \$41,837
CONTINGENCY (20%) \$8,367
TOTAL **\$50,204**



Subject: IMMEDIATE & NEAR TERM COST EST. BY: BM DATE: 1/16/2023
EAST LIBERTY BLVD SB; BRKY 2471 CHK BY: SN DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4676-0002	CONCRETE SIDEWALK; "6, MODIFIED	SY	2	\$180.00	\$360.00
0630-0045	PLAIN CEMENT CONCR CURB, 8" HT, INCL REMOVAL OF EXIST. CURB	LF	52	\$75.00	\$3,900.00
0810-0052	SELECTIVE TREE REMOVAL	EA	1	\$1,500.00	\$1,500.00
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	5	\$3,000.00	\$15,000.00
4608-0001	MOBILIZATION, YEAR 1	PDA	1	\$2,076.00	\$2,076.00
					\$0.00

TOTAL BRIDGE STRUCTURE \$22,836.00

CONTINGENCY (20%) \$4,567.20

TOTAL \$27,403.20



Subject: IMMEDIATE & NEAR TERM COST EST. BY: BM DATE: 1/16/2023
CENTRE AVENUE, BRKY 2472 CHK BY: SN DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
5008-0001	PREFORMED NEOPRENE COMPRESSION JOINT SEAL, MOVEMENT VARIES, MODIFIED	LF	150	\$130.00	\$19,500.00
1040-0005	CONCRETE BRIDGE DECK REPAIR, TYPE 3, > 50 SF	SF	90	\$155.00	\$13,950.00
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	2	\$3,000.00	\$6,000.00
4608-0001	MOBILIZATION, YEAR 1	PDA	1	\$3,945.00	\$3,945.00
					\$0.00
					\$0.00

TOTAL BRIDGE STRUCTURE \$43,395.00

CONTINGENCY (20%) \$8,679.00

TOTAL \$52,074.00



Subject: BRKEY 2473 - Penn Avenue BY: KNO DATE: 2/1/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 2/1/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4901-0002	MAINTENANCE AND PROTECTION OF TRAFFIC	DAYS	7	\$3,000.00	\$21,000
1040-0002	CONCRETE BRIDGE DECK REPAIR, TYPE 2	SF	4	\$150.00	\$600
5008-0001	PERFORMED NEOPRENE COMPRESSION JOINT SEAL	LF	195	\$130.00	\$25,350
9901-0101	FLAGGERS	HOURS	112	\$84.50	\$9,464
4608-0001	MOBILIZATION	LS	1	\$3,286.50	\$3,287

TOTAL BRIDGE STRUCTURE \$ 59,701
CONTINGENCY (20%) \$ 11,940
TOTAL \$ 71,641

- Note 1: Based on Publication 55, assume 30LF of joint per day.
- Note 2: MPT includes flaggers and arrow boards.
- Note 3: Mobilization set at 7% of total cost (not including contingency)



Subject: BRKEY 40785 - Hot Metal Bridge
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/28/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	MOBILIZATION	PDA	6,000	\$1.00	\$6,000
4901-0002	MAJOR MPT DURING CONSTRUCTION, MODIFIED	DAY	7	\$3,000.00	\$21,000
5008-0001	PREFORMED NEOPRENE COMPRESSION JOINT SEAL, MOVEMENT VARIES, MODIFIED	LF	164	\$130.00	\$21,353
9008-0010	NEOPRENE STRIP SEAL, MOVEMENT VARIES, SPECIAL	LF	137	\$160.00	\$21,900
9901-0101	FLAGGER	HOUR	112	\$85.00	\$9,520

TOTAL BRIDGE STRUCTURE \$ 79,773
CONTINGENCY (20%) \$ 15,955
TOTAL \$ 95,727



Subject: BRKEY 41373 - North Shore Drive BY: KNO DATE: 1/10/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.



Subject: BRKEY 42018 - Fort Pitt Blvd BY: KNO DATE: 1/10/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.



Subject: BRKEY # 49060 - Calera St #2

BY: PMD DATE: 1/12/2023

BMS # 02-7301-0000-3015

CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$2,641.00	\$2,650.00
4901-0001	Maintenance and Protection of Traffic	DAY	1	\$1,500.00	\$1,500.00
0931-0001	Install load posting signs to Far Advance	EA.	1	\$515.02	\$520.00
4201-0100	Remove brush around signs at Far Left	S.Y.	2	\$5.00	\$10.00
1016-0103	Install railing along Left side	L.F.	25	\$300.00	\$7,500.00
4627-0001	Replace barrier along Right side	L.F.	25	\$60.00	\$1,500.00
1040-0003	Repair spalls to underside of Deck	S.F.	135	\$125.00	\$16,880.00

TOTAL BRIDGE STRUCTURE \$30,560.00

CONTINGENCY (20%) \$6,112.00

TOTAL **\$36,680.00**



Subject: BRKEY 49066 - Pensdale Street #1 BY: KNO DATE: 1/5/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.



Subject: BRKEY 49067 - Pennsdale Ave No.2
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/27/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0850-0034	ROCK, CLASS R-6	CY	6	\$125.00	\$750
4901-0001	MINOR MPT DURING CONSTRUCTION, MODIFIED	DAY	4	\$1,500.00	\$6,000
4608-0001	MOBILIZATION	PDA	2,300	\$1.00	\$2,300
9000-XXXX	REPLACE GUIDERAIL END TREATMENT	PDA	600	\$1.00	\$600
9000-XXXX	INSTALL TRIPLE-NESTED W-RAIL	PDA	5,400	\$1.00	\$5,400
9000-XXXX	MASONRY WALL REPAIR	PDA	1,500	\$1.00	\$1,500
9090-9001	REPAIR DETERIORATED CONCRETE, AS DIRECTED, < 50 CF	CF	13	\$1,000.00	\$12,688

TOTAL BRIDGE STRUCTURE \$ 29,238
CONTINGENCY (20%) \$ 5,848
TOTAL \$ 35,085



Subject: City of Pittsburgh High Priority Repair Estimate
 Balswick Road No. 1
 BRKEY 49068 City No. 127

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0620-0010	CONCRETE BRIDGE BARRIER TRANSITION	EA	4	\$2,700	\$10,800
0620-0595	STRUCTURE MOUNTED GUIDERAIL	LF	100	\$300	\$30,000
0850-0035	ROCK, CLASS R-7	CY	6	\$140	\$840
0931-0001	INSTALL CLEARANCE SIGN	EA	4	\$400	\$1,600
4665-0001	MASONRY REPOINTING	LF	200	\$25	\$5,000
4676-0002	CONCRETE SIDEWALK, 6"MODIFIED	SY	20	\$180	\$3,600
4901-0001	MINOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	10	\$1,500	\$15,000
9001-0030	LABORER (2)	HR	48	\$71	\$3,408
9001-0034	CEMENT FINISHER	HR	8	\$76	\$608
9001-0101	FLAGGERS (2)	HR	160	\$85	\$13,600
9108-0007	DUMP TRUCK, 5 CY CAPACITY	HR	8	\$45	\$360
				Subtotal	\$84,816
4608-0001	MOBILIZATION, MODIFIED (5%)	PDA	1	\$4,241	\$4,241

TOTAL BRIDGE STRUCTURE \$89,057
CONTINGENCY (20%) \$17,811
TOTAL **\$106,868**



Subject: BRKEY 49069 - Baldwick Road No.2
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/28/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0850-0034	ROCK, CLASS R-6	CY	4	\$125.00	\$500
4608-0001	MOBILIZATION	PDA	60	\$1.00	\$60

TOTAL BRIDGE STRUCTURE \$ 560
CONTINGENCY (20%) \$ 112
TOTAL \$ 672



Subject: BRKEY 49084 - Lowe Street Pedestrian
Bridge
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/26/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0850-0034	ROCK, CLASS R-6	CY	3	\$125.00	\$375
1071-0101	SPOT PAINTING EXISTING STRUCTURAL STEEL	LS	1	\$26,437.50	\$26,438
1072-0200	WASTE MANAGEMENT	LS	1	\$1,500.00	\$1,500
1072-0300	WORKER HEALTH AND SAFETY	LS	1	\$2,000.00	\$2,000
4608-0001	MOBILIZATION	PDA	7,000	\$1.00	\$7,000
5050-0100	FABRICATED STRUCTURAL STEEL, MODIFIED	LB	529	\$12.00	\$6,345
9000-XXXX	FABRICATED STRUCTURAL STEEL LABOR	LB	529	\$12.00	\$6,345
9090-0100	JACKING OF BRIDGE SUPERSTRUCTURE AND TEMPORARY SUPPORT SYSTEM	PDA	60,000	\$1.00	\$60,000
9090-9001	REPAIR DETERIORATED CONCRETE, AS DIRECTED, < 50 CF	CF	32	\$1,000.00	\$32,000

TOTAL BRIDGE STRUCTURE \$ 142,003
CONTINGENCY (20%) \$ 28,401
TOTAL \$ 170,403



Subject: BRKEY # 49085 - Melancton St Pedestrian BY: PMD DATE: 1/12/2023
BMS # 02-7301-0000-3058 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$23.00	\$30.00
4901-0001	Maintenance and Protection of Traffic	DAY	1	\$1,500.00	\$1,500.00
4201-0100	Remove vegetation growth in stairway	S.Y.	45	\$5.00	\$230.00

TOTAL BRIDGE STRUCTURE \$1,760.00

CONTINGENCY (20%) \$352.00

TOTAL **\$2,120.00**



Subject: BRKEY 49086 - Midwood Ave
High Priority Repair Estimate

BY: AIS
CHK BY: AL

DATE: 1/26/2023
DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
1040-0004	CONCRETE BRIDGE DECK REPAIR, TYPE 3, < 50 SF	SF	11	\$185.00	\$1,943
4608-0001	MOBILIZATION	PDA	5,000	\$1.00	\$5,000
9090-0100	JACKING OF BRIDGE SUPERSTRUCTURE AND TEMPORARY SUPPORT SYSTEM	PDA	500	\$1.00	\$500
9090-9002	REPAIR DETERIORATED CONCRETE, AS DIRECTED, > 50 CF (1)	CF	73	\$900.00	\$65,880

(1) Includes 36-cf at support and 37-cf at abutment.

TOTAL BRIDGE STRUCTURE \$ 73,323
CONTINGENCY (20%) \$ 14,665
TOTAL \$ 87,987



Subject: BRKEY # 49087 - N Lang Ave Pedestrian BY: PMD DATE: 1/12/2023
BMS # 02-7301-0000-3068 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$3,717.00	\$3,720.00
4901-0001	Maintenance and Protection of Traffic	DAY	1	\$1,500.00	\$1,500.00
1016-0103	Replace missing fencing along bridge and stairway	L.F.	15	\$300.00	\$4,500.00
9090-9002	Repair delaminated and spalled areas of Pier 1	C.F.	54	\$900.00	\$48,600.00

TOTAL BRIDGE STRUCTURE \$58,320.00

CONTINGENCY (20%) \$11,664.00

TOTAL **\$69,990.00**



Subject: City of Pittsburgh High Priority Repair Estimate
 Reservoir Drive
 BRKEY 49089 City No. 80

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0931-0001	INSTALL CLEARANCE SIGN	EA	4	\$400	\$1,600
4901-0001	MINOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	1	\$1,500	\$1,500
4665-0001	MASONRY REPOINTING	LF	24	\$25	\$600
9001-0030	LABORER (2)	HR	32	\$71	\$2,272
9001-0034	CEMENT FINISHER	HR	8	\$76	\$608
				Subtotal	\$6,580
4608-0001	MOBILIZATION, MODIFIED (10%)	PDA	1	\$658	\$658

TOTAL BRIDGE STRUCTURE \$7,238
CONTINGENCY (20%) \$1,448
TOTAL **\$8,686**



Subject: BRKEY # 49090 - S Graham St Pedestrian BY: PMD DATE: 1/12/2023
BMS # 02-7301-0000-3099 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$90.00	\$90.00
4901-0001	Maintenance and Protection of Traffic	DAY	1	\$1,500.00	\$1,500.00
1016-0103	Repair damaged or missing fencing on Left side	L.F.	3	\$300.00	\$900.00

TOTAL BRIDGE STRUCTURE \$2,490.00

CONTINGENCY (20%) \$498.00

TOTAL **\$2,990.00**



Subject: City of Pittsburgh High Priority Repair Estimate
 Anderson Playground Pedestrian Tunnel
 BRKEY 49091 City No. 124

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0620-0010	CONCRETE BRIDGE BARRIER TRANSITION	EA	4	\$2,700	\$10,800
0620-0595	STRUCTURE MOUNTED GUIDERAIL	LF	40	\$300	\$12,000
0931-0001	INSTALL CLEARANCE SIGN	EA	4	\$400	\$1,600
4676-0002	CONCRETE SIDEWALK, 6"MODIFIED	SY	20	\$180	\$3,600
4901-0001	MINOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	10	\$1,500	\$15,000
				Subtotal	\$43,000
4608-0001	MOBILIZATION, MODIFIED (7%)	PDA	1	\$3,010	\$3,010

TOTAL BRIDGE STRUCTURE \$46,010
CONTINGENCY (20%) \$9,202
TOTAL **\$55,212**



Subject: BRKEY # 49092 - Howard St Pedestrian BY: PMD DATE: 1/12/2023
BMS # 02-7301-0000-3135 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$612.00	\$620.00
4901-0001	Maintenance and Protection of Traffic	DAY	4	\$1,500.00	\$6,000.00
4676-0002	Repair sunken approach at Far side	S.Y.	34	\$180.00	\$6,120.00

TOTAL BRIDGE STRUCTURE \$12,740.00
CONTINGENCY (20%) \$2,548.00
TOTAL **\$15,290.00**



Subject: BRKEY 54496 - Greenfield Bridge BY: KNO DATE: 1/5/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/15/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL

TOTAL BRIDGE STRUCTURE
CONTINGENCY (20%)
TOTAL

Note 1: There are no Priority 0 or Priority 1 Maintenance items recommended.



Subject: BRKEY # 69314 - Eliza Furnace Trail over Brady St BY: PMD DATE: 1/12/2023
BMS # 02-7301-0000-3154 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$2,520.00	\$2,520.00
4901-0001	Maintenance and Protection of Traffic	DAY	2	\$1,500.00	\$3,000.00
1016-0103	Replace entire pedestrian fence to eliminate gap along base	L.F.	120	\$300.00	\$36,000.00

TOTAL BRIDGE STRUCTURE \$41,520.00

CONTINGENCY (20%) \$8,304.00

TOTAL **\$49,830.00**



Subject: City of Pittsburgh High Priority Repair Estimate
 Eliza Furnace Trail over Maurice Street
 BRKEY 69334 City No. 162

BY: DAM Date: 02/03/2023
 CHK BY: LAA Date: 02/06/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURES AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4901-0001	MINOR MAINTENCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION, MODIFIED	DAY	4	\$1,500	\$6,000
9090-9001	REPAIR DETERIORATED CONCRETE, AS DIRECTED, < 50SF	SF	9	\$1,000	\$9,000
				Subtotal	\$15,000
4608-0001	MOBILIZATION, MODIFIED (10%)	PDA	1	\$1,500	\$1,500

TOTAL BRIDGE STRUCTURE \$16,500
CONTINGENCY (20%) \$3,300
TOTAL **\$19,800**



Subject: IMMEDIATE & NEAR TERM COST EST. BY: BM DATE: 2/14/2023
FRITZ ST PED BRIDGE; BRKY 69496 CHK BY: SN DATE: 2/14/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
5050-0100	FABRICATED STRUCTURAL STEEL	LBS	1,000	\$12.00	\$12,000.00
9008-0000	STEEL LABOR	LS	1	\$3,000.00	\$3,000.00
1071-0100	STEEL SUPERSTRUCTURE PAINTING, ZONE	SF	1,200	\$60.00	\$72,000.00
1072-0300	WORKER HEALTH AND SAFETY	LS	1	\$2,000.00	\$2,000.00
1072-0200	WASTE MANAGEMENT	LS	1	\$1,500.00	\$1,500.00
4608-0001	MOBILIZATION, YEAR 1	PDA	1	\$9,050.00	\$9,050.00
					\$0.00

TOTAL BRIDGE STRUCTURE \$99,550.00
CONTINGENCY (20%) \$19,910.00
TOTAL \$119,460.00



Subject: BRKEY 69499 - Broome Street Ped. Bridge BY: KNO DATE: 1/31/2023
Maintenance Repair Cost Estimate CHK BY: EPR DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0901-XXXX	SIGN INSTALLATION	HOURS	4	\$84.50	\$338
0901-XXXX	SIGNS	EA	2	\$200.00	\$400
4901-0002	MAINTENANCE AND PROTECTION OF TRAFFIC	DAYS	1	\$3,000.00	\$3,000
0627-0320	TEMPORARY BARRIER, TEST LEVEL 3	LF	8	\$100.00	\$800
9901-0101	FLAGGERS	HOURS	4	\$84.50	\$338
4608-0001	MOBILIZATION	LS	1	\$487.60	\$488

TOTAL BRIDGE STRUCTURE \$ 5,364
CONTINGENCY (20%) \$ 1,073
TOTAL \$ 6,436

Note 1: City is in the process of closing the bridge (10/19/2022). Structure is not functional in the current system.

Note 2: City should remove the bridge.

Note 3: Closure was not confirmed. Estimate for signs and barricades provided.

Note 4: MPT includes flaggers and arrow boards.

Note 5: Mobilization set at 10% of total cost (not including contingency)

Note 6: Signage List:

<u>Sign Name</u>	<u>Quantity</u>
Bridge Closed	R11-2-1 2



Subject: BRKEY # 69553 - Fort Duquesne Pedestrian BY: PMD DATE: 2/20/2023
BMS # 02-7301-0000-3172 CHK BY: SRB DATE: 2/20/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
0608-0001	Mobilization	L.S.	1	\$21.00	\$30.00
0901-0001	Maintenance and Protection of Traffic	L.S.	1	\$1,500.00	\$1,500.00
4676-0001	Repair settlement at Far Approach pavement	S.Y.	2	\$103.00	\$210.00

TOTAL BRIDGE STRUCTURE \$1,710.00
CONTINGENCY (20%) \$342.00
TOTAL **\$2,060.00**



Subject: BRKEY # 69651 - Herr's Island RR (Pedestrian) BY: PMD DATE: 1/16/2023
BMS # 02-7301-0000-3045 CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$100.00	\$100.00
9901-0101	Maintenance and Protection of Traffic	DAY	1	\$1,500.00	\$1,500.00
9000-0001	Remove fallen tree resting on pedestrian railing at Near Right	E.A.	1	\$1,000.00	\$1,000.00

TOTAL BRIDGE STRUCTURE \$2,600.00
CONTINGENCY (20%) \$520.00
TOTAL **\$3,120.00**



Subject: Fallowfield Station LRT Viaduct

BY: PMD DATE: 1/12/2023

BMS # 02-7301-0000-9103

CHK BY: SRB DATE: 1/30/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED

ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	Mobilization	PDA	1	\$401.00	\$410.00
4901-0002	Maintenance and Protection of Traffic	DAY	4	\$3,000.00	\$12,000.00
9901-0101	Certified Flaggers	HOURL	64	\$84.50	\$5,410.00
9000-0001	Repair missing/broken stair treds	EA.	1	\$500.00	\$500.00
4676-0002	Repair sidewalk step at Far Right	S.Y.	1	\$180.00	\$180.00
4676-0001	Resurface heaving sections of Right sidewalk	S.Y.	10	\$165.00	\$1,650.00
1016-0103	Repair detached handrail at Far approach	L.F.	5	\$300.00	\$1,500.00
0350-0120	Repair undermined stairway landing	C.Y.	2	\$90.00	\$180.00

TOTAL BRIDGE STRUCTURE \$21,830.00

CONTINGENCY (20%) \$4,366.00

TOTAL **\$26,200.00**



Subject: BRKEY N/A - Fine Way BY: AIS DATE: 1/28/2023
High Priority Repair Estimate CHK BY: AL DATE: 1/31/2023

APPROXIMATE QUANTITIES - BRIDGE STRUCTURE AS DESIGNED					
ITEM. NO	ITEM	UNIT	TOTAL	COST/ UNIT	TOTAL
4608-0001	MOBILIZATION	PDA	160	\$1.00	\$160
4627-0001	TEMPORARY CONCRETE BARRIER, MODIFIED	LF	24	\$60.00	\$1,440

TOTAL BRIDGE STRUCTURE \$ 1,600
CONTINGENCY (20%) \$ 320
TOTAL \$ 1,920