



CITY ENGINEER'S REPORT



BOWEN
 RICHARD L. BOWEN + ASSOCIATES INC.
 13000 Shaker Boulevard · Cleveland, OH 44120
 T: 216.491.9300 · F: 216.491.8053 · www.rlba.com

To: Mayor Weger & Council
cc: Directors of Law, Finance, Building, & Service
From: Pietro A. DiFranco & Daniel J. Collins
Date: 7/16/2015

Name	RLBA Job #	Stage					Construction Cost (A)ctual (B)id (E)stimate	Engineering Fee (A)ctual (E)stimate	Notes
		Planning	Design	Construct'n	Other	Complete			
Retainer Services	7986.00				X			\$0	02/01/13 2013-15 Agreement: 20 hours/month
G. Bishop-White Intersection	7986.00				X	N/A		\$0	03/14/14 Call rec'd by Mayor Re: traffic congestion 03/20/14 RFP for study sent to qualified traffic engineers 03/31/14 Proposals rec'd from traffic engineers 04/10/14 LJB selected to perform traffic study 05/22/14 LJB performing traffic counts 06/24/14 LJB Study Rec'd; Signal Ok, but no remove stop sign 08/26/14 Mtg w/Cuy Cnty Re: Richmond Rd Bridge MOT Rec'd Stage 1 Plans/Estimate from ODOT. Initial estimate of city cost to include signal is \$100k (2017) 05/19/15
I. OPWC Round 30, PY16	7986.00				X	N/A		\$0	10/14/14 Consider Worrell Rd w/Kirtland 11/20/14 Meeting w/Kirtland Engineer & Mark Grubiss 03/25/15 Sent conceptual proposal to Kirtland 05/08/15 Requested Letter of Support from Kirtland for Worrell 06/05/15 Pre-Application submitted to Lake County Engineer
K. SR 91 Resurfacing NOACA Planning FY 2016	7986.00				X	\$1 M (WillHills Portion Only)	E	\$0	04/11/14 NOACA Board Res. 2014-013 passed (PTAM Policy) 04/24/14 NOACA submitted application for TIGER grant 09/15/14 TIGER grant denied 02/04/15 SR 91 Amended to TIP by NOACA 02/19/15 Meeting w/NOACA at City Hall 02/23/15 Rec'd notice & reviewing new ODOT LPA requirements Contacted Willoughby (CT) & NOACA on 3/25, 4/16, & 05/07/15 4/28, awaiting direction 05/20/15 Received draft agreement from CT. Under review. 06/23/15 Coord. meeting w/Lake County Engineer & NOACA



CITY ENGINEER'S REPORT



BOWEN

RICHARD L. BOWEN + ASSOCIATES INC.
 13000 Shaker Boulevard · Cleveland, OH 44120
 T: 216.491.9300 · F: 216.491.8053 · www.rlba.com

Name	RLBA Job #	Stage					Construction Cost		Engineering Fee		Notes
		Planning	Design	Construction	Other	Complete	(A)ctual (B)id (E)stimate		(A)ctual (E)stimate		
											07/07/15 County Engineer intends to lead joint project w/Willoughby & Willoughby Hills, but will select independent engineer for design (not CT or Bowen)
L. Misc.	7986.00				X		N/A		\$0		03/18/15 OEPA NPDES MS4 Storm Water Muni Complex walk-around w/CRWP & Mark G. 05/19/15 Rec'd CRWP memo following 3/18 walk-around 06/04/15 Contacted by CSWCD about Habitat Planning Grant for Euclid Creek
Maple Valley Subdivision Construction Engineering	7986.12A				X		N/A		Applicant Fee		09/19/14 Partial bond release request from developer 11/20/14 Starting Maintenance Bond and Dedication Process 12/11/14 Council R-O-W dedication acceptance 01/01/15 Monitoring SWP3 & 2-Year Bond Items 01/22/15 Received As-Built Drawings 07/02/15 drainage items
Clover Congregate Care 34900 Chardon Rd Construction Engineering	7986.12C			X			N/A		Applicant Fee		06/04/14 Start of construction 01/01/15 Monitoring sitework
Knecht/O'Brien Culvert 29341 & 29329 Eddy Rd	7986.08	X					\$200,000	E	TBD		02/15/13 Met w/Tim Miller, Lake County 03/09/13 Funding request sent to County; under review 05/01/13 Met w/Tim Miller to discuss status & plan 07/12/13 On-hold pending Lake County authorization 09/09/13 Received Lake County approval to proceed w/design 10/01/13 Survey field work began 01/16/14 Preliminary design complete for Lake County review 03/30/14 Revised plans sent to Lake County for approval 06/13/14 Email from Tim Miller providing direction to redesign 07/23/14 Plans resubmitted to County for approval 09/18/14 Addressing property owner concerns with work 12/02/14 Met w/Knecht & Capelli & finalizing revised design
							\$180,000	E	\$21,750	E	



CITY ENGINEER'S REPORT



BOWEN

RICHARD L. BOWEN + ASSOCIATES INC.
 13000 Shaker Boulevard · Cleveland, OH 44120
 T: 216.491.9300 · F: 216.491.8053 · www.rlba.com

Name	RLBA Job #	Stage					Construction Cost		Engineering Fee		Notes
		Planning	Design	Construct'n	Other	Complete	(A)ctual	(B)id	(A)ctual	(E)stimate	
							\$196,926	E			12/16/14 Sent final plans to LCSWMD for approval 12/29/14 Plans approved by LCSWMD 01/21/15 Progress meeting w/Tim Miller, Gloria, & Frank B. 01/22/15 Council motion to bid received 02/05/15 Public Bid Advertisement (News Herald & City Web) 02/26/15 Received contractor bids 03/06/15 Woodford Excav. recommended as lowest & best bid 03/26/15 Award by Council 04/21/15 Preconstruction Meeting Material submittals rec'd & approved. Awaiting 05/19/15 estimated delivery date from precast supplier 06/15/15 Woodford mobilized and began excavation 07/02/15 Construction ongoing slowly due to rain 07/16/15 Pipe installation complete
Lamplight Lane Culvert (formerly Euclid Creek East Branch Drainage Improvements)	7986.09	X					\$450,000	E	\$0		02/01/13 Invoiced by CT so far: \$21,531 (for old design) 02/15/13 Met w/Tim Miller, Lake County 02/15/13 County pledged \$361,000 (for new design) 02/20/13 Reviewing 2000 CT Study & Recommendations 05/01/13 Met w/Tim Miller to discuss status & plan 09/09/13 Discussed at Council Service Committee Meeting 12/12/13 Mtg w/Tim Miller to discuss Lamplight & 2014 projects 01/03/14 Proposal sent to Tim Miller for approval 01/28/14 Service Committee Mtg for legislation to proceed 02/13/14 Appropriation Ord. 2014-18 for design passed 04/14/14 Informational meeting for residents (City Hall-6:30 pm) 12/08/14 Sent final plans to LCSWMD for approval 12/29/14 Plans approved by LCSWMD 01/21/15 Progress meeting w/Tim Miller, Gloria, & Frank B. 01/22/15 Council motion to bid received 02/05/15 Public Bid Advertisement (News Herald & City Web) 02/26/15 Received contractor bids 03/06/15 Long Sewer Const. recommended as lowest & best bid 03/26/15 Award by Council
							\$168,462	B			02/24/13 Invoiced by CT so far: \$21,531 (for old design) 02/25/13 Met w/Tim Miller, Lake County 02/25/13 County pledged \$361,000 (for new design) 02/26/13 Reviewing 2000 CT Study & Recommendations 05/01/13 Met w/Tim Miller to discuss status & plan 09/09/13 Discussed at Council Service Committee Meeting 12/12/13 Mtg w/Tim Miller to discuss Lamplight & 2014 projects 01/03/14 Proposal sent to Tim Miller for approval 01/28/14 Service Committee Mtg for legislation to proceed 02/13/14 Appropriation Ord. 2014-18 for design passed 04/14/14 Informational meeting for residents (City Hall-6:30 pm) 12/08/14 Sent final plans to LCSWMD for approval 12/29/14 Plans approved by LCSWMD 01/21/15 Progress meeting w/Tim Miller, Gloria, & Frank B. 01/22/15 Council motion to bid received 02/05/15 Public Bid Advertisement (News Herald & City Web) 02/26/15 Received contractor bids 03/06/15 Long Sewer Const. recommended as lowest & best bid 03/26/15 Award by Council
							\$245,506	E	\$27,913	E	
							\$271,827	E			
							\$265,892	B			



CITY ENGINEER'S REPORT



BOWEN

RICHARD L. BOWEN + ASSOCIATES INC.
 13000 Shaker Boulevard · Cleveland, OH 44120
 T: 216.491.9300 · F: 216.491.8053 · www.rlba.com

Name	RLBA Job #	Stage					Construction Cost		Engineering Fee		Notes
		Planning	Design	Construction	Other	Complete	(A)ctual	(B)id	(A)ctual	(E)stimate	
											04/17/15 Preconstruction Meeting 05/07/15 Dominion completing work started 4/22 05/15/15 Longo finished CEI duct work (CEI to follow 6/1). 06/02/15 CEI work complete 07/01/15 Demo of headwalls started 07/16/15 foundation construction
Plan Reviews	7986.14										
2377 Michelle Ct - House	A				X		N/A	Applicant			01/16/15 Permit Application Received
2881 Rockefeller Rd - House	B				X		N/A	Applicant			01/29/15 Permit Application Received
36802 Beech Hill Dr - House	C				X		N/A	Applicant			03/23/15 Permit Application Received
29365 White Rd - House	D				X		N/A	Applicant			04/13/15 Permit Application Received
2876 Fowler Dr - House	E				X		N/A	Applicant			05/12/15 Permit Application Received
2542 Maple Hill Rd - House	F				X		N/A	Applicant			06/02/15 Permit Application Received
29285 Willow Ln - House	G				X		N/A	Applicant			06/04/15 Permit Application Received
37601 Eagle Rd - Addition	H				X		N/A	Applicant			06/04/15 Permit Application Received
Construction Supervision	7986.15										
Dunkin Donuts - 2801 Bishop	A			X			N/A	Applicant			03/11/15 All fees paid; Pending GC identification 05/25/15 Construction Start
Pleasant Valley Rd Resurfacing (Chagrin River East to Chardon)	7986.16						\$179,870	E	\$17,991	E	11/13/14 Motion by Council authorizing bids 02/05/15 Awaiting PO from Finance for engineering 02/19/15 Preparing docs for public bid 03/05/15 Public Bid Advertisement (News Herald & City Web) 03/26/15 Received contractor bids 04/07/15 Specialized Const. recommended as lowest & best bid 05/07/15 Precon Meeting 05/26/15 Tentative Construction Start Date 05/29/15 Asphalt Recycling Complete Installation of intermediate & surface asphalt courses 06/29/15 anticipated 07/16/15 Final asphalt surface course planned for 7/19/15
							\$169,000	E			
							\$160,868	B			



CITY ENGINEER'S REPORT



BOWEN

RICHARD L. BOWEN + ASSOCIATES INC.
 13000 Shaker Boulevard · Cleveland, OH 44120
 T: 216.491.9300 · F: 216.491.8053 · www.rlba.com

Name	RLBA Job #	Stage					Construction Cost		Engineering Fee		Notes
		Planning	Design	Construct'n	Other	Complete	(A)ctual	(B)id	(A)ctual	(E)stimate	
Eddy Rd Resurfacing (I-271 to Rockefeller)	7986.17						\$218,505	E	\$20,888	E	11/13/14 Motion by Council authorizing bids 02/05/15 Awaiting PO from Finance for engineering 02/19/15 Preparing docs for public bid 03/05/15 Public Bid Advertisement (News Herald & City Web) 03/26/15 Received contractor bids 04/07/15 Specialized Const. recommended as lowest & best bid 05/07/15 Precon Meeting 05/26/15 Tentative Construction Start Date 05/28/15 Asphalt Recycling Complete Installation of intermediate & surface asphalt courses 06/29/15 anticipated 07/16/15 Final asphalt surface course planned for 7/19/15
2015 Pavement Markings (All Public Streets)	7986.TBD						\$55,000	E	\$6,600	E	01/22/15 Motion from Council authorizing bids 02/05/15 Awaiting PO from Finance for engineering 02/19/15 Preparing docs for public bid 03/05/15 Public Bid Advertisement (News Herald & City Web) 03/26/15 Received contractor bids 04/07/15 Pat Flowers recommended as lowest & best bid 05/21/15 Precon Meeting 07/14/15 All markings except SR-91 complete

Storm Water Future Proejects List

Prepared By: Pietro DiFranco

Date: 7/2/2015

No.	Name	Construction Estimate	Nominated By	Priority (1-10)	Notes:
1	Pleasant Valley West Drainage	\$72,600	Nate		Dam & Ditch Repairs?
2	Orikuchi-2476 Mapleview Ln Pipe Extension & Slope Stabilization	\$50,000	Nate/Tim		
3	Dodd Rd at Eagle Nest drainage	\$37,429	Nate		Funding requested from Lake Co. on 6/2/14
4	Dodd Rd at Cage Area drainage	\$113,400	Nate		
5	River Rd North - Repalce strom sewer	\$136,646	Nate		Appropriation tabled by Council on 9/11/14
6	Stark Dr. - Replace & add storm sewer	\$108,000	Nate		
7	River Rd South - Install storm sewer and curb & gutter	\$181,226	Nate		Crane Property-2772 River Rd
8	Worrell Rd - Storm sewer and curb & gutter (1/2 by Kirtland)	\$362,452	Nate		
9	Rockefeller Rd - Pipe ditches	\$653,722	Nate		
10	Eagle Rd near Red Fox Pass - Install curb w/pipes & catch basins	\$344,000	Nate		Westerman-2496 Red Fox pass
11	Erich Dr. - Replace storm sewer	\$175,720	Nate		
12	Oak St. - Replace storm sewer	\$166,375	Nate		
12	Martin, Dixon, Forest Subdivision	\$568,176	Nate		
14	Trabar Dr. - Replace storm sewer	\$151,250	Nate		
15	Orchard Dr. - Replace storm sewer	\$148,224	Nate		
16	Rogers Rd - Ditching and drive culverts	\$174,720	Nate		Lake Co. PO received 10/13/14
17	Eagle-Kennelly Drainage Improvements	\$50,000	Nate		400 lf of 18-inch strom
18	Rosewood Trail	TBD	Pietro		Tilenni
19	Gatsby-Kourtney Drainage	TBD	Pietro		
20	Service Dept. Yard Improvements (i.e. - roof, berm, spill kits, etc...)	TBD	Pietro		See 5/19/15 CRWP Memo
21	Marcum-Parkview	TBD	Fulton/Ota		Added 4/9/2015
22	Euclid Creek North Tributary Cleaning (Lamplight-Rockefeller)	TBD	Pietro		Added 4/28/2015; Kent Winter
23	36600 Maple Grove Rd (stream dredging)	TBD	Mark G.		
24	Lanphear Property Stream Dredging	TBD	Mark G.		38000 Pleasant Valley Rd
25	Fowler-Lamplight Ditch Dredging	TBD	Pietro		6/27/15 flooding reported by Fowler residents Sturgill & McCarthy
26	29274-29320 White Rd Ditch	TBD	Pietro		Ed Veider-29320 White Rd
27	Strawberry Pond Tributary Area	TBD	Pietro		Metroparks

\$3,493,940

2015 Construction Progress Photos
Knecht-O'Brien Channel Restoration, Willoughby Hills, Ohio



Figure 1 Pipe Delivered 6/18/15



Figure 3 Water Back-up After Storm 7/13/15



Figure 2 Manhole & Pipe Installation 7/6/15



Figure 4 Earthwork 7/13/15

2015 Construction Progress Photos
Lamplight Lane Culvert, Willoughby Hills, Ohio



Figure 1 Demo Underway 7/7/15



Figure 3 Demo Underway 7/7/15



Figure 2 Headwall Foundation Forms Delivered 7/7/15



Figure 4 Precast Sections Delivered 7/13/15