



# 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:** 10/2/2014

Name	RLBA Job #	Stage					Construction Cost		Engineering Fee	Notes
		Planning	Design	Construction	Other	Complete	(A)ctual	(B)id (E)stimate		
Retainer Services	7986.00				X				\$0	02/01/13 2013-15 Agreement: 20 hours/month
A. Ujcich-2926 Bishop Rd	7986.00					X	\$7,000 E \$6,850 A		\$0	05/14/13 Met w/Ujcich brothers, Law Direc'r, & Bldg Commiss. 05/15/13 Observed flow in MHs w/Mayor, Law Dir., & Nate 12/13/13 New backflow preventer & manhole installed at Ujcich
B. Stafford Place - Chardon	7986.00				X		N/A		\$0	02/04/13 Stafford experiencing wet weather surcharging 11/11/13 Mtg at City Hall w/HOA & Attorney (Builder No-Show) 04/07/14 Meeting w/HOA & Ryan Homes 04/26/14 Performed site visit to observe conditions 04/28/14 Meeting w/HOA & Ryan Homes; action discussed 05/01/14 Meeting w/Flow Meter supplier; researching options 05/13/14 Nate getting quotes for installation of backflow valve 05/29/14 Meter, Alarm, & Back Water Valve Installed Building Laterals being video inspected 07/07/14 Progress mtg w/Stratford Place HOA 08/11/14 Progress mtg w/Stratford Place HOA & Ryan Homes 08/27/14 Stratford Place HOA Annual Meeting
C. Pecirep-Marvaldi-Lavrisha 36361-36401-36451 Eddy Rd	7986.00	X					\$17,000 E		\$0	11/08/13 Approval received from Lake County Storm Water 11/21/13 On-site meeting w/property owner 01/08/14 Rec'd PO#939497 from County to Reimburse 02/27/14 Easements sent to residents for signature 03/20/14 Ongoing discussions w/property owners 04/28/14 Meeting w/Residents; authorization pending 05/15/14 No decision by residents yet 08/15/14 Ex. pipe videotape inspected by Nate 09/05/14 Pipe on Marvaldi property to be replaced by DiFonzo



# 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 (A)ctual (B)id (E)stimate	Engineering Fee (A)ctual (E)stimate	Notes
		Planning	Design	Construct'n	Other	Complete			
D. Community Ctr ADA Door (CDBG)	7986.00		X				\$10,000 E	\$0	05/09/13 Assited Gloria w/Scope, Cost Estimate, & Photos 05/28/13 CDBG application submitted by Gloria 02/06/14 Mtg w/Gloria to review scope to obtain quotes 02/18/14 Requested cost quotes from 9 contractors 03/20/14 Contractor quotes due 3/21/14 05/15/14 Gloria & Dan met with contractor Re: CDBG process 08/28/14 Construction complete
E. Cross-Access Easement Zoning Code Modification	7986.00				X		N/A	\$0	02/06/14 Inital discussion during PC/ARB Public Portion 02/14/14 Provided initial comments in memo to PC/ARB 02/21/14 Provided additional comments in email to PC/ARB 03/06/14 Discussed at PC/ARB Work Session 03/21/14 PC/ARB Public Hearing (No Discussion) 04/03/14 On PC/ARB Agenda during Public Portion
F. City District Map (w/Street Level Detail)	7986.00				X		N/A	\$0	03/28/14 Street-level Precinct Map requested 04/15/14 Map provided to council office
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
H. Connections 2035 - NOACA Long-Range Transportation Plan (LRTP)	7986.00				X		N/A	\$0	03/31/14 Rec'd letter from Commissioner Troy requesting list of minor projects (under \$5 million) by 4/21/14 to NOACA LRTP  04/11/14 Response letter sent to 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 (A)ctual (B)id (E)stimate	Engineering Fee (A)ctual (E)stimate	Notes	
		Planning	Design	Construct'n	Other	Complete				
I. OPWC Round 29, PY15	7986.00				X		N/A	\$0	03/31/14	Rec'd request from Lake County Engineer for project pre-applications by 6/13/14
J. 2880 Fowler Dr. (S/L 19) Former WWTP Removal	7986.00				X		N/A	\$0	08/06/14	Dan attended mtg w/Owner & Attorney, Builder, lafelice, & City Re: Demo of underground tanks
K. SR 91 Resurfacing NOACA Planning FY 2016	7986.00				X		\$1 M (WillHills Portion Only)	E \$0	04/11/14 04/24/14 09/15/14	NOACA Board Res. 2014-013 passed (PTAM Policy) NOACA submitted application for TIGER grant TIGER grant denied
Clover Congregate Care 34900 Chardon Rd	7986.01E				X		N/A	Applicant Fee	02/07/13 02/28/13 03/19/13 04/04/13 05/06/13 09/05/13 12/30/13 04/02/14 04/29/14 06/04/14	Provided sanitary sewer tap-in fee opinion Pre-design meeting w/owner & Bldg Commiss. Site plans submitted for review PC/ABR Preliminary Review postponed Rec'd revised drawings for 2nd PCABR submittal On PC/ABR Agenda for Final Approval Property ownership transfer occurred Final plans rec'd by Building Dept. Final Approval of Site Work Plans Start of construction



# 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 (A)ctual (B)id (E)stimate	Engineering Fee (A)ctual (E)stimate	Notes
		Planning	Design	Construct'n	Other	Complete			
Maple Valley Subdivision									
A. Plan Review	7986.01B			X			N/A	Applicant Fee	02/01/13 Began plan review 02/10/13 Plan review letter #1 02/18/13 Plan review letter #2 03/05/13 Instructed by developer to stop plan review 03/07/13 Meeting w/developer 03/21/13 Ongoing coord. w/developer Re: drainage 04/30/13 Rec'd revised drainage concept for review 05/09/13 Met w/Engineer Gutoskey Re: drainage concept 05/29/13 Revised drainage report received via email 06/10/13 Plan review letter #5 sent to developer & his engineer 08/15/13 Final PC Approval issued; awaiting permit submittal 11/07/13 Working w/Osborne to finalize bonds
B. Construction Observation	7986.12A			X			N/A	Applicant Fee	01/06/14 Construction Start 03/18/14 Precon meeting for water main at Lake County 03/24/14 Water main construction started 06/05/14 Roadway base in progress 06/23/14 Concrete roadway pour planned 08/13/14 Landscaping started 08/20/14 Progress Mtg w/Osborne (Trees, E&SC, Conc., etc...) 09/19/14 Partial bond release request from developer
Maple Grove Pav't Impr'ts	7986.04					X	\$170,000 E \$147,729 B \$130,332 A	\$25,000 E \$14,275 A	03/06/13 Obtained quotes for pavement cores 03/26/13 Terracon authorized to perform pavement cores 04/13/13 Pavement cores performed 05/02/13 Bid Ad: 5/9 & 5/16; Bid Open: 5/23 06/03/13 Carron Asphalt selected as best & lowest bid 06/20/13 Preconstruction Meeting 07/15/13 Construction start 08/09/13 Substantially complete; road re-opened to public 09/05/13 Contractor addressing punch list items (restoration) 12/02/13 Punch list resolution pending weather 05/01/14 Meeting w/Carron Re: Punch List Items



# 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		
											07/17/14 Punch list items addressed by Carron
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 07/24/14 Dan met w/Knecht Re: revised plan 08/21/14 Upon approval by County, authorization req'd from property owner's & ODOT 09/18/14 Addressing property owner concerns with work 09/25/14 Intent: Bid in Winter & Construct in Spring
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 03/07/14 Survey authorized (pending weather) 04/14/14 Informational meeting for residents (City Hall-6:30 pm) 06/05/14 Coord. w/CEI Re: potential culvert/easement imprv'ts 09/25/14 Intent: Bid in Winter & Construct in Spring
							\$245,506	E		\$27,913 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 (A)ctual (B)id (E)stimate	Engineering Fee (A)ctual (E)stimate	Notes
		Planning	Design	Construction	Other	Complete			
Dunkin Donuts 2801 Chardon Rd (Plan Review)	7986.01V	X					N/A	Applicant	04/25/13 Received conceptual site alternates for discussion 06/06/13 PC-ABR Work Session 11/19/13 Issued comments on Traffic Impact Study dated 9/3/13 12/17/13 Issued comments on plans rec'd 12/12/13 02/??/14 Received PC-ABR application fee from owner 02/20/14 PC-ABR Meeting (Preliminary Review) 03/05/14 Met w/Architect Re: Site Issues & Options 06/04/14 Met w/Owner & Arch Re: acceptable site plan 06/20/14 Provided review comments on revised site plan 07/17/14 Preliminary Site Plan Approval granted by PC 08/07/14 Conditional Use Permit granted by PC 09/03/14 Provided Review #1 on Final Development Plan 09/17/14 Revised drawings rec'd at Bldg Dept. 09/25/14 CRA approved by Council 10/02/14 Planning Commission Final Approval (tentative)
Plan Reviews									
29345 White - Lot Split	7986.11A					X	N/A	Applicant	
2820 Bishop - Lot Split	7986.11B				X		N/A	Applicant	
29326 Eddy - Lot Split	7986.11C					X	N/A	Applicant	
2730 SOM - AT&T Cabinet	7986.11D					X	N/A	Applicant	04/16/14 Plans Approved
Maple Grove Gas Main	7986.11E					X	N/A	Applicant	04/16/14 Plans Approved
2821 Bishop - Site Plan	7986.11F					X	N/A	Applicant	05/02/14 Plans approved
29237 Willow Lane - House	7986.11G					X	N/A	Applicant	
29345 White - House	7986.11H					X	N/A	Applicant	
2921 Rockefeller - House	7986.11I					X	N/A	Applicant	
2469 Maple Hill - House	7986.11J				X		N/A	Applicant	
34258 Parkview - House	7986.11K					X	N/A	Applicant	
2880 Fowler - House	7986.11L					X	N/A	Applicant	
2507 Maple Hill - House	7986.11M				X		N/A	Applicant	
Dodd Rd Subdivision	7986.11N				X		N/A	Applicant	
2535 Red Fox - Lot Split	7986.11O					X	N/A	Applicant	
2340 Pine Valley - House	7986.11P					X	N/A	Applicant	
35255 Dixon - House	7986.11Q					X	N/A	Applicant	



# 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 (A)ctual (B)id (E)stimate	Engineering Fee (A)ctual (E)stimate	Notes	
		Planning	Design	Construction	Other	Complete				
2300 Rivers Edge - House	7986.11R					X	N/A	Applicant		
36141 Chardon - House	7986.11S					X	N/A	Applicant		
2528 Maple Hill - House	7986.11T				X		N/A	Applicant	09/05/14	Plans Received
2531 Maple Hill - House	7986.11U				X		N/A	Applicant	09/24/14	Plans Received
Construction Supervision										
Maple Valley Subdivision	7986.12A				X			Applicant		See Above
Maple Grove Gas Main	7986.12B					X	N/A	Applicant	05/05/14	Substantially Complete
Clover Congregate Care	7986.12C				X		N/A	Applicant		See Above
34950 Chardon - Apron	7986.12D				X		N/A	Applicant		
I-90 Water Main Borings	7986.12E				X		N/A	Applicant		
Eagle Rd-Kennely Rd Drainage Study	7986.13	X						\$2,160 E	09/04/14	In-progress

**Strom Water Projects Receiving Financing from Lake County Storm Water Management Department**  
**City of Willoughby Hills**  
**Year 2014**

City No.	Project Name	City Authorization			Lake County Purchase Order			Actual Cost / Reimbursement		Notes
		Ord. No.	Date	Type	No.	Date	Amount	Date	Amount	
2013033	Trailard Lane Storm Sewer Extension	2013-40	09/12/13	Appropriation	937596	08/28/13	\$4,000.00			08/12/13 Scope - Extend storm sewer outlet pipe by 20 LF
		2014-11	03/13/14	Appropriation						03/18/14 Army Corp Permit Application Rec'd from CRWP (under review)
2013034	Rockefeller/White Storm Water Crossover	2013-40	09/12/13	Appropriation	937597	08/28/13	\$8,000.00	09/09/14	\$10,681.37	08/12/13 Scope - Replace crossover with 32 LF of larger 24" diameter pipe
		2014-12	03/13/14	Appropriation						05/21/14 Need new estimate & request additional funds from LCSWD
2013036	Knecht/O'Brien Stream Restoration - Design	2013-40	09/12/13	Appropriation	937743	09/11/13	\$21,750.00			06/12/13 Scope - Remove 225 of failed 24" culvert & stream restoration
		2014-13	03/13/14	Appropriation						
2013038	Erich Drive Drainage	2013-49	11/14/13	Appropriation	938462	10/30/13	\$20,000.00	02/10/14	\$10,332.72	09/23/13 Scope - Remove obstructions from stream & install 120' of 24" pipe
		2014-14		Tabled						
2013039	SOM Center Rd (Rt. 91) Storm Sewer	2013-49	11/14/13	Appropriation	938463	10/30/13	\$15,000.00	05/06/14	\$5,805.23	08/21/13 Scope - Repair pipe joint failure & restore surface pavement
		2014-15	02/13/14	Appropriation						05/06/14 Final reimbursement request sent to LCSWD by Finance
2014001	Eddy Rd Storm Sewer Overflow Swale	2014-16	03/13/14	Appropriation	939497	01/08/14	\$17,000.00			11/08/13 Scope - Construct 350' of overflow channel for questionable 24" pipe
2014002	Pleasant Valley Rd Storm Sewer	2014-17	03/13/14	Appropriation	939592	01/13/14	\$16,500.00	08/27/14	\$29,294.13	12/24/13 Scope - Install 180' of 12" pipe & additional ditch due to eroding slope
										05/21/14 Construction by Service Dept. ongoing
2014003	Lamplight Lane Culvert - Design	2014-09	02/13/14	Contract	939593	01/13/14	\$30,800.00			01/03/14 Scope - Increase capacity of culvert & raise road elevation
		2014-18	02/13/14	Appropriation						
2014005	Worrell Road Sinkhole Repair	2014-29	05/08/14	Appropriation			\$7,100.00	08/13/14	\$1,280.41	03/25/14 Scope - Temporarily backfill & patch road
										03/25/14 Funding request email sent to Tim Miller from Nate
TBD	Eagle Rd / Kennelly Rd Drainage Study	2014-34	05/22/14	Appropriation			\$6,600.00			05/21/14 Complete
										04/15/14 Scope - Survey & analysis for drainage improvements
TBD	Rosewood Trail Storm Sewer Maintenance	2014-33		Pending			\$20,350.00			04/11/14 Scope - Clean & repair storm pipes along rear property lines
										05/06/14 Funding approved by LCSWD
TBD	Dodd Rd at Eagles Nest Drainage			TBD			\$37,429.00			05/21/14 Work scheduled to begin 5/27 based on equipment availability
										06/02/14 Scope - Install 660' of 24" perfoated pipe & restoration
2014012	Chagrin Drive Drainage Project	2014-43	07/10/14	Appropriation			\$9,000.00	08/14/14	\$5,128.41	05/23/14 Scope - Install catch basin and piping to capture and convey run-off
										05/23/14 Funding request email sent to Tim Miller from Nate
2014017	38160 Rogers Rd Headwall Collapse	2014-56	07/10/14	Appropriation			\$5,900.00	08/13/14	\$3,538.59	06/24/14 Scope - Repair/Replace Collapsed Headwall
										06/24/14 Funding request email sent to Tim Miller from Nate; emergency approval
TBD	River Rd North Storm Sewer Replacement	2014-57		Pending			\$142,600.00			07/24/14 Scope - Replace 2,112 lineal feet of 24" storm pipe
TBD	Rockefeller Rd North Drainage	2014-60		Pending			\$22,200.00			07/24/14 Scope - Install 140 lineal feet of 24" storm pipe in roadside ditch
2014020	Bishop Road Sinkhole	2014-61	09/11/14	Appropriation				09/19/14	\$4,818.00	07/25/14 Scope - Clean, televise, & repair pipe and pavement
<b>TOTAL</b>							<b>\$384,229.00</b>		<b>\$70,878.86</b>	

Potential Future Proects	Estimate
1 Pleasant Valley West Drainage	\$72,600
2 Dodd Rd at cage area drainage	\$113,400
3 River Rd North - Repalce strom sewer	\$136,646
4 Stark Dr. - Replace & add storm sewer	\$108,000
5 River Rd South - Install storm sewer and curb & gutter	\$181,226
6 Worrell Rd - Storm sewer and curb & gutter (1/2 by Kirtland)	\$362,452
7 Rockefeller Rd - Pipe ditches	\$653,722
<b>Sub-Total</b>	<b>\$1,628,046</b>

Potential Future Proects	Estimate
8 Eagle Rd - Install storm sewer and curb & gutter	\$344,000
9 Erich Dr. - Replace storm sewer	\$175,720
10 Oak St. - Replace storm sewer	\$166,375
11 Martin, Dixon, Forest Subdivision	\$568,176
12 Trabar Dr. - Replace storm sewer	\$151,250
13 Orchard Dr. - Replace storm sewer	\$148,224
14 Rogers Rd - Ditching and drive culverts	\$174,720
<b>Sub-Total</b>	<b>\$1,728,465</b>