

# City of Brecksville

## 2017 ROAD PROGRAM BID TABULATION

BIDS OPENED: January 11, 2017 9:00 a.m.

Present Were: Becki Riser, City of Brecksville and Ron Weidig, City of Brecksville.

Contractors: Don Morgan, Chagrin Valley Paving, Sarah Piscopo, CATTs Construction, Nicholas Furio, Konstruction King, Jim Carroll, Specialized Construction

CONCRETE REPAIRS			SET IN STONE CONTRACTORS		KONSTRUCTION KING		CATTs CONSTRUCTION		T.C. CONSTRUCTION CO.	
	Estimated Usage 2017	UNIT	Unit Prices	Total	Unit Prices	Total	Unit Prices	Total	Unit Prices	Total
<b>CROSS CUTTING OF CONCRETE</b>										
FULL DEPTH	4,736	/LN FT	\$1.50	\$7,104.00	\$1.00	\$4,736.00	\$1.15	\$5,446.40	\$1.50	\$7,104.00
SAW CUTTING	1	/LN FT	\$2.50	\$2.50	\$1.00	\$1.00	\$1.15	\$1.15	\$1.00	\$1.00
<b>CONCRETE REMOVAL &amp; DISPOSAL (TO INCLUDE ROLLED &amp; STRAIGHT CURB)</b>										
BOX OUT REMOVAL	1	/SQ YD	\$80.00	\$80.00	\$10.00	\$10.00	\$55.00	\$55.00	\$15.00	\$15.00
JOINT REMOVAL	1	/SQ YD	\$30.00	\$30.00	\$10.00	\$10.00	\$32.00	\$32.00	\$15.00	\$15.00
SLAB REMOVAL	5,587	/SQ YD	\$10.00	\$55,870.00	\$10.00	\$55,870.00	\$12.00	\$67,044.00	\$15.00	\$83,805.00
<b>CONCRETE REPLACEMENT (TO INCLUDE ROLLED &amp; STRAIGHT CURB)</b>										
BOX OUT REPLACEMENT	1	/SQ YD	\$75.00	\$75.00	\$100.00	\$100.00	\$84.00	\$84.00	\$60.00	\$60.00
JOINT REPLACEMENT	1	/SQ YD	\$90.00	\$90.00	\$100.00	\$100.00	\$89.00	\$89.00	\$60.00	\$60.00
SLAB REPLACEMENT										
7"	4,569	/SQ YD	\$50.00	\$228,450.00	\$57.00	\$260,433.00	\$50.00	\$228,450.00	\$59.00	\$269,571.00
9"	980	/SQ YD	\$56.50	\$55,370.00	\$60.00	\$58,800.00	\$68.00	\$66,640.00	\$64.00	\$62,720.00
12"	38	/SQ YD	\$90.50	\$3,439.00	\$95.00	\$3,610.00	\$115.00	\$4,370.00	\$70.00	\$2,660.00
<b>BASE REMOVAL &amp; DISPOSAL</b>										
BASE REPLACEMENT WITH COMPACTION	1	/CU YD	\$70.00	\$70.00	\$60.00	\$60.00	\$74.00	\$74.00	\$25.00	\$25.00
4" UNDERDRAIN INSTALLED & BACKFILLED	1	/LN FT	\$20.00	\$20.00	\$30.00	\$30.00	\$21.00	\$21.00	\$14.00	\$14.00
<b>24" WIDE CURB &amp; GUTTER -</b>										
REMOVAL	1	/LN FT	\$10.00	\$10.00	\$10.00	\$10.00	\$11.00	\$11.00	\$10.00	\$10.00
REPLACEMENT	1	/LN FT	\$40.00	\$40.00	\$40.00	\$40.00	\$42.00	\$42.00	\$19.00	\$19.00
<b>32" WIDE CURB &amp; GUTTER -</b>										
REMOVAL	1,675	/LN FT	\$10.00	\$16,750.00	\$10.00	\$16,750.00	\$11.00	\$18,425.00	\$14.00	\$23,450.00
REPLACEMENT	1,675	/LN FT	\$27.50	\$46,062.50	\$30.00	\$50,250.00	\$42.00	\$70,350.00	\$30.00	\$50,250.00
<b>TYPE 2A CURB -</b>										
REMOVAL	1	/LN FT	\$10.00	\$10.00	\$10.00	\$10.00	\$7.00	\$7.00	\$3.00	\$3.00
REPLACEMENT	1	/LN FT	\$22.00	\$22.00	\$20.00	\$20.00	\$22.00	\$22.00	\$2.00	\$2.00
<b>TYPE 6 CURB -</b>										
REMOVAL	1	/LN FT	\$10.00	\$10.00	\$10.00	\$10.00	\$11.00	\$11.00	\$10.00	\$10.00
REPLACEMENT	1	/LN FT	\$25.00	\$25.00	\$40.00	\$40.00	\$28.00	\$28.00	\$14.00	\$14.00
<b>TYPE 6 CURB -</b>										
NEW INSTALLATION	1	/LN FT	\$31.00	\$31.00	\$50.00	\$50.00	\$37.00	\$37.00	\$24.00	\$24.00
<b>ROLLED CURB -</b>										
REMOVAL	1		\$10.00	\$10.00	\$10.00	\$10.00	\$7.00	\$7.00	\$10.00	\$10.00
REPLACEMENT	1		\$16.00	\$16.00	\$20.00	\$20.00	\$22.00	\$22.00	\$10.00	\$10.00
<b>604 CATCH BASIN OR MANHOLE ADJUSTED TO GRADE</b>										
	1	EA	\$325.00	\$325.00	\$500.00	\$500.00	\$500.00	\$500.00	\$300.00	\$300.00
<b>604 MONUMENT BOX OR WATER VALVE BOX ADJ TO GRADE</b>										
	1	EA	\$150.00	\$150.00	\$400.00	\$400.00	\$220.00	\$220.00	\$200.00	\$200.00
<b>604 CATCH BASIN, VAULT BOX REBUILT</b>										
	1	EA	\$1,000.00	\$1,000.00	\$300.00	\$300.00	\$850.00	\$850.00	\$500.00	\$500.00
<b>604 CATCH BASIN, VAULT BOX REPLACED</b>										
	1	EA	\$2,500.00	\$2,500.00	\$500.00	\$500.00	\$4,000.00	\$4,000.00	\$1,400.00	\$1,400.00
<b>604 CATCH BASIN RECONSTRUCTED TO GRADE</b>										
	1	EA	\$925.00	\$925.00	\$400.00	\$400.00	\$1,200.00	\$1,200.00	\$500.00	\$500.00
<b>604 MONUMENT BOX ADJUSTED TO GRADE INCLUDING NEW CONCRETE BLOCKOUTS</b>										
	1	EA	\$300.00	\$300.00	\$500.00	\$500.00	\$440.00	\$440.00	\$300.00	\$300.00
<b>ADDITIONAL COST FOR ODOT MS CONCRETE</b>										
	1	/CU YD	\$15.00	\$15.00	\$15.00	\$15.00	\$20.00	\$20.00	\$20.00	\$20.00
<b>ADDITIONAL COST FOR FAST SET ODOT FS</b>										
	1	/CU YD	\$32.00	\$32.00	\$35.00	\$35.00	\$30.00	\$30.00	\$30.00	\$30.00
<b>DRIVEWAY APRON REMOVAL</b>										
	1	/SQ YD	\$10.00	\$10.00	\$10.00	\$10.00	\$12.00	\$12.00	\$10.00	\$10.00
<b>DRIVEWAY APRON REPLACEMENT, 6" DEPTH</b>										
	1	/SQ YD	\$55.00	\$55.00	\$70.00	\$70.00	\$65.00	\$65.00	\$30.00	\$30.00
<b>COMMERCIAL DRIVE APRON (Per City Specification, Page 10A)</b>										
REMOVAL	1	/SQ YD	\$12.00	\$12.00	\$10.00	\$10.00	\$14.00	\$14.00	\$20.00	\$20.00
REPLACEMENT	1	/SQ YD	\$75.00	\$75.00	\$80.00	\$80.00	\$72.00	\$72.00	\$70.00	\$70.00
<b>SIDEWALK REMOVAL</b>										
	1	/SQ YD	\$10.00	\$10.00	\$10.00	\$10.00	\$15.00	\$15.00	\$5.00	\$5.00
<b>SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6")</b>										
4" DEPTH	13	/SQ YD	\$46.00	\$598.00	\$80.00	\$1,040.00	\$48.00	\$624.00	\$40.00	\$520.00
5" DEPTH	1	/SQ YD	\$55.00	\$55.00	\$82.00	\$82.00	\$52.00	\$52.00	\$42.00	\$42.00
6" DEPTH	1	/SQ YD	\$56.00	\$56.00	\$85.00	\$85.00	\$58.00	\$58.00	\$45.00	\$45.00
<b>BRIDGE SIDEWALK REMOVAL</b>										
	1	/SQ YD	\$75.00	\$75.00	\$100.00	\$100.00	\$26.00	\$26.00	\$20.00	\$20.00
<b>BRIDGE SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6")</b>										
9" DEPTH	1	/SQ YD	\$80.00	\$80.00	\$100.00	\$100.00	\$84.00	\$84.00	\$75.00	\$75.00
11" DEPTH	1	/SQ YD	\$95.00	\$95.00	\$110.00	\$110.00	\$99.00	\$99.00	\$85.00	\$85.00
<b>48" x 24" ArmorTile ADA Sidewalk Ramp, 4" DEPTH, with Truncated dome (Model #22144, Color-Red) (To Include Wire Mesh, W2.9 x W2.9, 6"x6")</b>										
	1	/SQ YD	\$170.00	\$170.00	\$180.00	\$180.00	\$150.00	\$150.00	\$55.00	\$55.00
<b>TOTAL CONCRETE REPAIR</b>				<b>\$420,150.00</b>		<b>\$455,537.00</b>		<b>\$469,810.55</b>		<b>\$504,089.00</b>

<b>UNSCHEDULED CONCRETE REPAIRS</b>			
			<b>Set In Stone Contractors</b>
7" PRICE PER SQUARE YARD	1	/SQ YD	\$118.00
9" PRICE PER SQUARE YARD	1	/SQ YD	\$130.00
12" PRICE PER SQUARE YARD	1	/SQ YD	\$150.00
<b>COMMERCIAL DRIVE APRON:</b>			
REMOVAL	1	/SQ YD	\$15.00
REPLACEMENT	1	/SQ YD	\$90.00

<b>PARTIAL DEPTH JOINT REPAIR</b>					
			<b>Crossroads Asphalt Recycling</b>	<b>Specialized Construction</b>	<b>Chagrin Valley Paving</b>
<b>CONCRETE - Unscheduled</b>					
LONGITUDINAL JOINT BY THE LINEAL FOOT	1	/LN FT	\$7.75	\$8.50	NB
TRANSVERSE JOINT OR CRACK BY THE LINEAL FOOT	1	/LN FT	\$7.75	\$9.00	NB
<b>ASPHALT - Unscheduled</b>					
LONGITUDINAL JOINT BY THE LINEAL FOOT	1	/LN FT	\$22.00	\$18.00	\$20.00
TRANSVERSE JOINT OR CRACK BY THE LINEAL FOOT	1	/LN FT	\$32.50	\$20.00	\$35.00

<b>PULVAMIXING</b>				
			<b>Crossroads Asphalt Recycling Inc.</b>	<b>Specialized Construction</b>
Pulvamixing		/SQ YD	\$3.00	\$2.50
Sub Base Removal and Replacement		/CU YD	\$50.00	\$30.00
CMS-1 or CMS-2 Applied		/GAL	\$4.50	\$3.00
#57 Stone Delivered and Spread		/TON	\$50.00	\$40.00

<b>ASPHALT PLACEMENT</b>					
			<b>Crossroads Asphalt Recycling</b>	<b>Specialized Construction</b>	<b>Chagrin Valley Paving</b>
INSTALLATION OF A MINIMUM OF 50-100 TONS PER 8-HOUR DAY		/TON	\$110.00	\$100.00	\$125.00
INSTALLATION OF A MINIMUM OF 100-300 TONS PER 8-HOUR DAY		/TON	\$90.00	\$80.00	\$100.00
INSTALLATION OF OVER 300 TONS PER 8-HOUR DAY		/TON	\$42.75	\$40.00	\$50.00

<b>PAINT STRIPING</b>				
			<b>J.D. Striping &amp; Services</b>	<b>Aero-Mark, Inc.</b>
<b>TOTAL STREET STRIPING (ALL LINES)</b>			\$45,863.50	\$46,818.00
<b>AUXILIARY MARKINGS</b>			\$32,488.23	\$34,962.74

<b>RECLAMITE</b>			
			<b>(NO BID)</b>
Total Estimated Square Yards for Scheduled Projects = 0 SY		SQUARE YD	
Unit Price for Unscheduled Projects	1	SQUARE YD	

<b>PARTIAL PLANING</b>			<b>Crossroads Asphalt Recycling</b>	<b>Specialized Construction</b>	<b>Chagrin Valley Paving</b>
AS NEEDED	1	SQUARE YD	\$60.00	\$60.00	\$75.00

<b>PAVEMENT PLANING</b>			<b>Crossroads Asphalt Recycling</b>	<b>Specialized Construction</b>	<b>Chagrin Valley Paving, Inc.</b>
(Mill 3") Edgerton (between Barr & the City Line)	10,353	SQUARE YD	\$2.81	\$2.94	\$3.04
(Mill 3") Oak Park Drive	1,616	SQUARE YD	\$3.25	\$2.94	\$3.04
(Mill 3") Park Place	2,648	SQUARE YD	\$3.16	\$2.94	\$3.04
(Mill 3") Morningside Drive	1,324	SQUARE YD	\$3.96	\$2.94	\$3.04
(Mill 3") Riverview Road ("S" curve south of Snowville Road)	2,689	SQUARE YD	\$3.11	\$2.94	\$3.04
(Mill 3") Sprague Road (eastbound lane)	3,067	SQUARE YD	\$3.39	\$2.94	\$3.04
(Mill 3") Stadium Drive	1,603	SQUARE YD	\$3.27	\$2.94	\$3.04
(Mill 3") Timber Trail	2,733	SQUARE YD	\$3.06	\$2.94	\$3.04
(Mill 3") Westview Drive (Route 21 to curb and gutter section)	6,571	SQUARE YD	\$3.16	\$2.94	\$3.04
<i>Total Cost for Pavement Planing Work Program, Scheduled Projects</i>	<i>32,604</i>		<b>\$101,083.72</b>	<b>\$95,855.76</b>	<b>\$99,116.16</b>
<i>Unit Price for Unscheduled Projects at 3" Depth</i>		SQUARE YD	\$4.00	\$3.00	\$3.04

<b>SINGLE PASS</b>			<b>Specialized Construction</b>
Cost Per Square Yard of Single Pass Recycling included testing and mix design		SQUARE YD	\$6.00
Cost Per Gallon of CSS-1 or Undiluted Recycling Agent Cyclogen M.E. or a Blend of All		PER GALLON	\$3.00
Cost Per Ton of #57 Stone, Furnished, Delivered and Applied		PER TON	\$40.00

<b>EQUIPMENT RENTAL</b>			<b>Specialized Construction</b>	<b>Crossroads Asphalt Recycling</b>	<b>Asphalt Fabrics &amp; Specialties</b>
<b>A. TRUCKS:</b>					
<b>TANDEM AXLE</b>					
Driver included for material handling/asphalt (per ton)		PER TON	\$85.00	NB	\$17.00
<b>TRI-AXLE</b>					
Driver included for material handling/asphalt (per ton)		PER TON	\$85.00	NB	\$15.00
<b>TACK COAT DISTRIBUTOR W/OPERATOR</b>					
<i>Anticipated Travel Time Per Day:</i>		PER HOUR	\$90.00	\$100.00	\$100.00
			1 Hour	1 Hour	45 minutes
<b>SS1 TACK COAT, DELIVERED TO BRECKSVILLE JOB SITE</b>					
		PER GALLON	\$2.30	\$2.40	\$2.10
<b>B. GRINDERS, MILLING MACHINES, CONCRETE CUTTERS; OPERATOR</b>					
<b>CAT PR105, or equivalent</b>					
		PER HOUR	\$200.00		NB
		PER WEEK	\$8,000.00		NB
<b>WIRTGEN 1000, or equivalent, capable of milling asphalt or concrete from 12" to 40" wide in a single pass at depths of 1" to 7" w/self-loading capabilities(to include all mobilization charges for approximately 10 locations)</b>					
		PER HOUR	\$220.00	\$250.00	
		PER WEEK	\$8,800.00	\$9,500.00	
<b>MILLING MACHINE, full width 6' - 7'.</b>					
		PER HOUR	\$500.00	\$600.00	
		PER WEEK	\$18,500.00	\$23,000.00	
<b>COST OF OPERATOR</b>					
		PER HOUR	Included	Included	

<b>EQUIPMENT RENTAL (continued)</b>			<b>Specialized Construction</b>	<b>Crossroads Asphalt Recycling</b>
<b>C. EXCAVATION EQUIPMENT</b>				
<b>BACKHOE</b>	Model		Cat 4156	
		PER HOUR	\$70.00	\$85.00
		PER WEEK	\$2,500.00	\$3,000.00
<b>ROAD GRADER</b>	Model		Volvo G	
		PER HOUR	\$140.00	\$140.00
		PER WEEK	\$4,500.00	\$5,500.00
<b>DOZER:</b>				
<b>CAT D-3 OR EQUIVALENT</b>	Model		D3 Cat	
		PER HOUR	\$100.00	\$100.00
		PER WEEK	\$3,800.00	\$3,900.00
<b>CAT D-6 OR EQUIVALENT</b>	Model		D6 Cat	
		PER HOUR	\$130.00	\$135.00
		PER WEEK	\$4,900.00	\$5,200.00
<b>CAT D-8 OR EQUIVALENT</b>	Model		D8 Cat	
		PER HOUR	\$175.00	NB
		PER WEEK	\$5,600.00	NB
<b>ROAD WIDENER</b>	Model		SP 8 Midland	
		PER HOUR	\$175.00	NB
		PER WEEK	\$5,600.00	NB
<b>COST OF OPERATOR</b>		PER HOUR	Included	Included
<b>D. STREET SWEEPER &amp; VAC-ALL</b>				
<b>SELF-PROPELLED VAC-ALL, OR EQUIVALENT (To include all mobilization charges for approximately 10 locations)</b>	Model		Vac-All 8	
		PER HOUR	\$150.00	NB
		PER WEEK	\$6,000.00	NB
<b>COST OF OPERATOR</b>		PER HOUR	Included	NB
<b># of Operators Needed</b>			1	NB
<b>COST OF LABORER</b>			\$65.00	NB
<b># of Laborers Needed</b>			1	NB
<b>E. GRADALL WITH OPERATOR</b>	Model		GradAll 8	
		PER HOUR	\$350.00	NB
		PER WEEK	\$11,000.00	NB
<b>F. COMPACTION ROLLER (20-TON CAPACITY)</b>	Model		Bomag BW 70	
		PER HOUR	\$100.00	\$105.00
		PER WEEK	\$3,500.00	\$4,000.00
<b>G. SPECIAL CONDITIONS</b>				

<b>GUARDRAIL</b>						
			<b>Lake Erie Construction</b>		<b>R.M.S. &amp; Company</b>	
<b>For 2017 Work Program:</b>			<b>Unit Price</b>	<b>Total</b>	<b>Unit Price</b>	<b>Total</b>
MGS Guardrail (9' Steel Post, 12" Plastic Block Out)	1,225' Per Foot		\$20.40	\$24,990.00	NB	NB
MGS Guardrail Radius Panels (9' Steel Post, 12" Plastic Block Out)	1 Per Foot		\$157.00	\$157.00	NB	NB
MGS Anchor Assembly, Type T	2		\$785.00	\$1,570.00	NB	NB
MGS Anchor Assembly, Type E	4		\$2,125.00	\$8,500.00	NB	NB
Guardrail Post, Standard Wood 6'	1		\$50.00	\$50.00	NB	NB
Guardrail Post, Steel 6'	1		\$60.00	\$60.00	NB	NB
Guardrail Post, Steel 9'	1		\$75.00	\$75.00	NB	NB
MGS (12") Plastic Block Out	1		\$13.00	\$13.00	NB	NB
MGS Flared/Buffered End (if not included in Type T Anchor Assembly)	2		\$55.00	\$110.00	NB	NB
Cost Per Mobilization	1 Mobilization		\$625.00	\$625.00	NB	NB
Other Costs Necessary to Complete Scope of Work:						
<b>For Unscheduled Work in 2017:</b>						
Guardrail, Type 5 (to include splice bolts)	1 Panel		\$145.00		\$16.00	
Guardrail, Type 5 Radius Panels (to include splice bolts)	1 Panel		\$175.00		\$21.00	
Type 5 Anchor Assembly, Type T	1		\$695.00		\$675.00	
Type 5 Anchor Assembly, Type E-98	1		\$2,150.00		\$1,875.00	
Type 5 Anchor Assembly, Type A	1		\$995.00		\$850.00	
Guardrail Post, Standard Wood 6'	1		\$55.00		\$25.00	
Guardrail Post, Steel 6'	1		\$65.00		\$40.00	
Guardrail Post, Steel 9'	1		\$80.00		\$60.00	
Type 5 (8") Plastic Block Out	1		\$10.00		\$5.00	
Type 5 Flared/Buffered End (if not included in Type T Anchor Assembly)	1		\$55.00		\$25.00	
MGS Guardrail (9' Steel Post, 12" Plastic Block Out)	12.5' per foot		\$23.60		\$25.00	
MGS Guardrail Radius Panels (9' Steel Post, 12" Plastic Block Out)	12.5' per foot		\$26.80		\$30.00	
MGS Anchor Assembly, Type T	1		\$785.00		\$775.00	
MGS Anchor Assembly, Type E	1		\$2,180.00		\$1,875.00	
MGS (12") Plastic Block Out	1		\$15.00		\$10.00	
Cost Per Mobilization	1 Mobilization		\$685.00		\$400.00	
Other Costs Necessary to Complete Scope of Work:						

<b>ASPHALT PAVEMENT PRE-SEAL LAYER</b>			<b>Specialized Construction</b>	<b>Crossroads Asphalt Recycling</b>	<b>Asphalt Fabrics &amp; Specialties</b>
	1	SQUARE YD	\$2.24	\$2.25	\$3.25