

City of Brecksville

2016 ROAD PROGRAM BID TABULATION

BIDS OPENED: December 18, 2016 9:00 a.m.

Present Were: Becki Riser, Director of Purchasing, City of Brecksville

Contractors: Jim Harrington, CATTS Construction, T.J. Murgam, Konstruction King, Lloyd Culpepper, Specialized Construction, Don Morgan, Chagrin Valley Paving, Maryann Conley, Fabrizi Trucking & Paving Co. and Raffaele Cloecchia.

CONCRETE REPAIRS			KONSTRUCTION KING		CATTS CONSTRUCTION		T.C. CONSTRUCTION CO.		FABRIZI TRUCKING & PAVING	
	Estimated Usage 2016	UNIT	Unit Prices	Total	Unit Prices	Total	Unit Prices	Total	Unit Prices	Total
CROSS CUTTING OF CONCRETE										
FULL DEPTH SAW CUTTING	2,531	/LN FT	\$1.00	\$2,531.00	\$1.05	\$2,657.55	\$1.40	\$3,543.40	\$2.00	\$5,062.00
	1	/LN FT	\$1.00	\$1.00	\$1.05	\$1.05	\$1.40	\$1.40	\$3.00	\$3.00
CONCRETE REMOVAL & DISPOSAL (TO INCLUDE ROLLED & STRAIGHT CURB)										
BOX OUT REMOVAL	1	/SQ YD	\$80.00	\$80.00	\$50.00	\$50.00	\$20.00	\$20.00	\$25.00	\$25.00
JOINT REMOVAL	1	/SQ YD	\$30.00	\$30.00	\$30.00	\$30.00	\$20.00	\$20.00	\$35.00	\$35.00
SLAB REMOVAL	5,103	/SQ YD	\$10.00	\$51,030.00	\$11.00	\$56,133.00	\$15.00	\$76,545.00	\$11.00	\$56,133.00
CONCRETE REPLACEMENT (TO INCLUDE ROLLED & STRAIGHT CURB)										
BOX OUT REPLACEMENT	1	/SQ YD	\$50.00	\$50.00	\$80.00	\$80.00	\$78.00	\$78.00	\$75.00	\$75.00
JOINT REPLACEMENT	1	/SQ YD	\$90.00	\$90.00	\$85.00	\$85.00	\$78.00	\$78.00	\$80.00	\$80.00
SLAB REPLACEMENT										
7"	4,608	/SQ YD	\$49.00	\$225,792.00	\$46.00	\$211,968.00	\$74.00	\$340,992.00	\$50.00	\$230,400.00
9"	495	/SQ YD	\$58.00	\$28,710.00	\$65.00	\$32,175.00	\$78.00	\$38,610.00	\$55.00	\$27,225.00
12"	37	/SQ YD	\$90.00	\$3,330.00	\$110.00	\$4,070.00	\$115.00	\$4,255.00	\$90.00	\$3,330.00
BASE REMOVAL & DISPOSAL										
	1	/CU YD	\$30.00	\$30.00	\$10.00	\$10.00	\$9.00	\$9.00	\$25.00	\$25.00
BASE REPLACEMENT WITH COMPACTION										
	1	/CU YD	\$50.00	\$50.00	\$70.00	\$70.00	\$35.00	\$35.00	\$75.00	\$75.00
4" UNDERDRAIN INSTALLED & BACKFILLED										
	1	/LN FT	\$25.00	\$25.00	\$20.00	\$20.00	\$15.00	\$15.00	\$15.00	\$15.00
24" WIDE CURB & GUTTER -										
REMOVAL	1	/LN FT	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
REPLACEMENT	1	/LN FT	\$40.00	\$40.00	\$40.00	\$40.00	\$24.00	\$24.00	\$35.00	\$35.00
32" WIDE CURB & GUTTER -										
REMOVAL	1,928	/LN FT	\$10.00	\$19,280.00	\$10.00	\$19,280.00	\$12.00	\$23,136.00	\$8.00	\$15,424.00
REPLACEMENT	1,928	/LN FT	\$28.00	\$53,984.00	\$40.00	\$77,120.00	\$26.00	\$50,128.00	\$30.00	\$57,840.00
TYPE 2A CURB -										
REMOVAL	1	/LN FT	\$10.00	\$10.00	\$6.00	\$6.00	\$10.00	\$10.00	\$10.00	\$10.00
REPLACEMENT	1	/LN FT	\$20.00	\$20.00	\$21.00	\$21.00	\$14.00	\$14.00	\$25.00	\$25.00
TYPE 6 CURB -										
REMOVAL	1	/LN FT	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$5.00	\$5.00
REPLACEMENT	1	/LN FT	\$25.00	\$25.00	\$27.00	\$27.00	\$16.00	\$16.00	\$25.00	\$25.00
TYPE 6 CURB -										
NEW INSTALLATION	1	/LN FT	\$30.00	\$30.00	\$37.00	\$37.00	\$26.00	\$26.00	\$30.00	\$30.00
ROLLED CURB -										
REMOVAL	1		\$5.00	\$5.00	\$6.00	\$6.00	\$10.00	\$10.00	\$10.00	\$10.00
REPLACEMENT	1		\$15.00	\$15.00	\$21.00	\$21.00	\$14.00	\$14.00	\$25.00	\$25.00
604 CATCH BASIN OR MANHOLE ADJUSTED TO GRADE										
	1	EA	\$200.00	\$200.00	\$475.00	\$475.00	\$200.00	\$200.00	\$350.00	\$350.00
604 MONUMENT BOX OR WATER VALVE BOX ADJ TO GRADE										
	1	EA	\$100.00	\$100.00	\$200.00	\$200.00	\$50.00	\$50.00	\$350.00	\$350.00
604 CATCH BASIN, VAULT BOX REBUILT										
	1	EA	\$300.00	\$300.00	\$800.00	\$800.00	\$1,200.00	\$1,200.00	\$1,200.00	\$1,200.00
604 CATCH BASIN, VAULT BOX REPLACED										
	1	EA	\$500.00	\$500.00	\$3,800.00	\$3,800.00	\$3,500.00	\$3,500.00	\$2,800.00	\$2,800.00
604 CATCH BASIN RECONSTRUCTED TO GRADE										
	1	EA	\$300.00	\$300.00	\$1,150.00	\$1,150.00	\$700.00	\$700.00	\$1,200.00	\$1,200.00
604 MONUMENT BOX ADJUSTED TO GRADE INCLUDING NEW CONCRETE BLOCKOUTS										
	1	EA	\$300.00	\$300.00	\$425.00	\$425.00	\$180.00	\$180.00	\$650.00	\$650.00
ADDITIONAL COST FOR ODOT MS CONCRETE										
	1	/CU YD	\$15.00	\$15.00	\$20.00	\$20.00	\$15.00	\$15.00	\$20.00	\$20.00
ADDITIONAL COST FOR FAST SET ODOT FS										
	1	/CU YD	\$30.00	\$30.00	\$30.00	\$30.00	\$19.00	\$19.00	\$35.00	\$35.00
DRIVEWAY APRON REMOVAL										
	1	/SQ YD	\$10.00	\$10.00	\$12.00	\$12.00	\$10.00	\$10.00	\$10.00	\$10.00
DRIVEWAY APRON REPLACEMENT, 6" DEPTH										
	1	/SQ YD	\$70.00	\$70.00	\$65.00	\$65.00	\$38.00	\$38.00	\$55.00	\$55.00
COMMERCIAL DRIVE APRON (Per City Specification, Page 10A)										
REMOVAL	1	/SQ YD	\$10.00	\$10.00	\$14.00	\$14.00	\$20.00	\$20.00	\$15.00	\$15.00
REPLACEMENT	1	/SQ YD	\$80.00	\$80.00	\$70.00	\$70.00	\$98.00	\$98.00	\$75.00	\$75.00
SIDEWALK REMOVAL										
	1	/SQ YD	\$10.00	\$10.00	\$15.00	\$15.00	\$1.00	\$1.00	\$10.00	\$10.00
SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6")										
4" DEPTH	13	/SQ YD	\$50.00	\$650.00	\$46.00	\$598.00	\$54.00	\$702.00	\$45.00	\$585.00
5" DEPTH	1	/SQ YD	\$51.00	\$51.00	\$50.00	\$50.00	\$55.00	\$55.00	\$50.00	\$50.00
6" DEPTH	1	/SQ YD	\$54.00	\$54.00	\$55.00	\$55.00	\$56.00	\$56.00	\$60.00	\$60.00
BRIDGE SIDEWALK REMOVAL										
	1	/SQ YD	\$70.00	\$70.00	\$25.00	\$25.00	\$30.00	\$30.00	\$50.00	\$50.00
BRIDGE SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6")										
9" DEPTH	1	/SQ YD	\$70.00	\$70.00	\$80.00	\$80.00	\$100.00	\$100.00	\$80.00	\$80.00
11" DEPTH	1	/SQ YD	\$80.00	\$80.00	\$95.00	\$95.00	\$120.00	\$120.00	\$95.00	\$95.00
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")										
	1	/SQ YD	\$170.00	\$170.00	\$150.00	\$150.00	\$350.00	\$350.00	\$170.00	\$170.00
TOTAL CONCRETE REPAIR				\$388,248.00		\$412,056.60		\$545,043.80		\$403,782.00

UNSCHEDULED CONCRETE REPAIRS				
			CATTS Construction, Inc.	Fabrizi Trucking & Paving Co.
7" PRICE PER SQUARE YARD	1	/SQ YD	\$85.00	\$145.00
9" PRICE PER SQUARE YARD	1	/SQ YD	\$95.00	\$165.00
12" PRICE PER SQUARE YARD	1	/SQ YD	\$105.00	\$195.00
COMMERCIAL DRIVE APRON:				
REMOVAL	1	/SQ YD	\$14.00	\$20.00
REPLACEMENT	1	/SQ YD	\$90.00	\$75.00

PARTIAL DEPTH JOINT REPAIR				
			Crossroads Asphalt Recycling	Specialized Construction
CONCRETE				
LONGITUDINAL JOINT BY THE LINEAL FOOT	1	/LN FT	\$7.25	\$8.00
TRANSVERSE JOINT OR CRACK BY THE LINEAL FOOT	1	/LN FT	\$7.25	\$9.00
ASPHALT				
LONGITUDINAL JOINT BY THE LINEAL FOOT	1	/LN FT	\$22.00	\$18.00
TRANSVERSE JOINT OR CRACK BY THE LINEAL FOOT	1	/LN FT	\$32.50	\$18.00

PULVAMIXING				
			Crossroads Asphalt Recycling Inc.	Specialized Construction
Pulv mixing		/SQ YD	\$3.00	\$2.00
Sub Base Removal and Replacement		/CU YD	\$50.00	\$25.00
CMS-1 or CMS-2 Applied		/GAL	\$4.50	\$2.25
#57 Stone Delivered and Spread		/TON	\$50.00	\$25.00

ASPHALT PLACEMENT				
			Crossroads Asphalt Recycling	Specialized Construction
INSTALLATION OF A MINIMUM OF 50-100 TONS PER 8-HOUR DAY		/TON	\$110.00	\$100.00
INSTALLATION OF A MINIMUM OF 100-300 TONS PER 8-HOUR DAY		/TON	\$90.00	\$70.00
INSTALLATION OF OVER 300 TONS PER 8-HOUR DAY		/TON	\$42.75	\$40.00

PAINT STRIPING				
			Dura Mark	J.D. Striping & Services
			NB	\$45,863.25
ROADWAYS				
AUXILIARY MARKINGS			\$43,935.00	\$31,182.70

RECLAMITE				
			Pavement Technology	
Total Estimated Square Yards for Scheduled Projects = 33,101 SY	33,101	SQUARE YD	\$0.83	
			\$27,473.83	
Unit Price for Unscheduled Projects			\$0.83	

PARTIAL PLANING			Crossroads Asphalt Recycling	Specialized Construction
	AS NEEDED	1	SQUARE YD	\$65.00
				\$51.50

PAVEMENT PLANING			Crossroads Asphalt Recycling	Specialized Construction	Chagrin Valley Paving, Inc.
(Mill 3") Dewey Road - 4,361 sy	4,361	SQUARE YD	\$3.27	\$3.00	\$2.99
(Mill 3") Dogwood Circle - 974 sy	974	SQUARE YD	\$3.53	\$4.00	\$2.99
(Mill 3") Cranbrook Drive 2,680 sy	2,680	SQUARE YD	\$3.79	\$3.00	\$2.99
(Mill 3") Amber Oval - 1,794 sy	1,794	SQUARE YD	\$5.24	\$3.00	\$2.99
(Mill 3") Timber Trail (Rt 21 to 8417) - 2,069 sy	2,069	SQUARE YD	\$4.65	\$3.00	\$2.99
(Mill 3") Chaffee Court - 1,508 sy	1,508	SQUARE YD	\$4.33	\$3.00	\$2.99
(Mill 3") Daisey Ave - 1,717 sy	1,717	SQUARE YD	\$3.91	\$3.00	\$2.99
(Mill 3") Crestview Drive - 3,091 sy	3,091	SQUARE YD	\$3.23	\$3.00	\$2.99
(Mill 3") Lawnpark Drive - 3,620 sy	3,620	SQUARE YD	\$2.88	\$3.00	\$2.99
(Mill 3") Blossom West Lot - 3,531 sy	3,531	SQUARE YD	\$2.94	\$3.00	\$2.99
(Mill 3") Blossom East Lot -2,263 sy	2,263	SQUARE YD	\$4.10	\$3.00	\$2.99
(Mill 3") Edgerton Road (between Highland & Barr) - 5,128 sy	5,128	SQUARE YD	\$3.15	\$3.00	\$2.99
(Mill 3") Fitzwater (8206 to Riverview) -10,993 sy	10,993	SQUARE YD	\$3.00	\$2.90	\$2.99
(Mill 3") Riverview Road (Park Maint. To Priest Hill) - 1,617 sy	1,617	SQUARE YD	\$4.48	\$4.00	\$2.99
(Mill 3") Riverview Road (Vaughn to City Line) - 10,591 sy	10,591	SQUARE YD	\$2.47	\$2.90	\$2.99
(Mill 3") Edgerton Road (Barr to City Line) - 9,900 sy	9,900	SQUARE YD	\$3.27	\$2.90	\$2.99
Total Cost for Pavement Planing Work Program, Scheduled Projects	65,837		\$215,098.51	\$196,953.60	\$196,852.63
<i>Unit Price for Unscheduled Projects at 3" Depth</i>		SQUARE YD	\$4.50	\$3.10	\$2.99

SINGLE PASS			Specialized Construction
Cost Per Square Yard of Single Pass Recycling included testing and mix design		SQUARE YD	\$5.00
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	\$35.00

EQUIPMENT RENTAL			Specialized Construction	Crossroads Asphalt Recycling	Asphalt Fabrics & Specialties
A. TRUCKS:					
TANDEM AXLE					
Driver included for excavation and material handling		PER HOUR	\$85.00	\$80.00	
TRI-AXLE					
Driver included for excavation and material handling		PER HOUR	\$85.00	\$85.00	
TACK COAT DISTRIBUTOR W/OPERATOR					
<i>Anticipated Travel Time Per Day:</i>			1 Hour	1 Hour	45 minutes
SS1 TACK COAT, DELIVERED TO BRECKSVILLE JOB SITE					
		PER GALLON	\$2.25	\$2.40	\$2.20
B. GRINDERS, MILLING MACHINES, CONCRETE CUTTERS; OPERATOR					
CAT PR105, or equivalent					
		PER HOUR	\$190.00		NB
		PER WEEK	\$7,600.00		NB
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)					
		PER HOUR	\$220.00	\$250.00	
		PER WEEK	\$8,000.00	\$9,500.00	
MILLING MACHINE, full width 6' - 7'					
		PER HOUR	\$500.00	\$600.00	
		PER WEEK	\$18,500.00	\$23,000.00	
COST OF OPERATOR					
		PER HOUR	Included	Included	

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

GUARDRAIL				
			Lake Erie Construction	
For 2016 Work Program:			Unit Price	Total
Guardrail, Type 5 (to include splice bolts)	119		\$128.00	\$15,232.00
Guardrail, Type 5 Radius Panels (to include splice bolts)	4		\$152.00	\$608.00
Guardrail, Type 5 with tubular backup (mod. ODOT GR-2.2) HAS-10, B-139	1 Per Foot		\$146.00	\$146.00
Anchor Assembly, Type T	6		\$645.00	\$3,870.00
Anchor Assembly, Type E-98	4		\$2,060.00	\$8,240.00
Anchor Assembly, Type A	1		\$935.00	\$935.00
Guardrail Post, Standard Wood 6'	1		\$50.00	\$50.00
Guardrail Post, Steel 6'	1		\$55.00	\$55.00
Guardrail Post, Steel 9'	249		\$70.00	\$17,430.00
Plastic Block Out	249		\$6.00	\$1,494.00
Flared/Buffered End (if not included in Type T Anchor Assembly)	6		\$50.00	\$300.00
Cost Per Move-in	1 Move-in		\$615.00	\$615.00
Other Costs Necessary to Complete Scope of Work:				
For Unscheduled Work in 2016:				
Guardrail, Type 5 (to include splice bolts)	1 Panel		\$145.00	
Guardrail, Type 5 Radius Panels (to include splice bolts)	1 Panel		\$172.00	
Guardrail, Type 5 with tubular backup (mod. ODOT GR-2.2) HAS-10, B-139	1 Per Foot		\$165.00	
Anchor Assembly, Type T	1		\$685.00	
Anchor Assembly, Type E-98	1		\$2,140.00	
Anchor Assembly, Type A	1		\$985.00	
Guardrail Post, Standard Wood 6'	1		\$55.00	
Guardrail Post, Steel 6'	1		\$60.00	
Guardrail Post, Steel 9'	1		\$75.00	
Plastic Block Out	1		\$10.00	
Flared/Buffered End (if not included in Type T Anchor Assembly)	1		\$35.00	
Cost Per Move-in	1 Move-In		\$775.00	
Other Costs Necessary to Complete Scope of Work:				

CRACKFILLING			Specialized Construction	Crossroads Asphalt Recycling	Asphalt Fabrics & Specialties
Rt. 21 South Section (From Rt. 82 South City Line - Both Directions)	Lump Sum		\$109,400.00	\$94,900.00	\$106,560.00

ASPHALT PAVEMENT PRE-SEAL LAYER			Specialized Construction	Crossroads Asphalt Recycling	Asphalt Fabrics & Specialties
	1	SQUARE YD	\$1.85	\$2.50	0-2,500 sy @ \$4.90
					2,500-5,000 sy @ \$3.50
					5,000-7,500 sy @ \$2.75
					7,500+ sy @ \$2.60