City of Brecksville

2019 ROAD PROGRAM BID TABULATION

BIDS OPENED: January 11, 2019 10:00 a.m.

Present For City of Brecksville: Becki Riser, Purchasing Dept., John Chyla, Building Dept. and Kristen Kouri, Service Dept.

Contractors: MaryAnn Conley, Fabrizi Trucking, Michael Totoro, Liberta Construction, Daniel Samnik, Chagrin Valley Paving, Bill Lambert, Crossroads Asphalt Recycling, Corey Lung, Set in Stone Contracting, Sean Pachuta, TriMor Construction, Nic Furio, Konstruction King and Jim Carroll, Specialized Construction

Conference responsed a personal of the Conference of the Confere	CONCRETE REPAIRS		ı												
March Marc		5-tim-to-d		SET IN STONE C	ONTRACTORS	KONSTRUCTION	ON KING, INC.	T.C. CONSTR	RUCTION CO.	FABRIZI TRU	CKING & PAVING	LIBERTA C	ONSTRUCTION	TRI MOR (CORPORATION
The content of the			UNIT	Unit Prices	Total	Unit Prices	Total	Unit Prices	Total	Unit Prices	Total	Unit Prices	Total	Unit Prices	Tota
Second S	CROSS CUTTING OF CONCRETE														
Secretary approach particular property of the	1 FULL DEPTH	1	/LN FT	\$3.00	\$3.00	\$2.00	\$2.00	\$2.00	\$2.00	\$3.00	\$3.00	\$2.65	\$2.65	\$1.50	\$1.5
Secretary Secr		G 10090	/LN FT	\$1.00	\$10,090.00	\$1.50	\$15,135.00	\$2.00	\$20,180.00	\$2.00	\$20,180.00	\$2.65	\$26,738.50	\$1.50	\$15,135.0
Second Content of the Content of t	CONCRETE REMOVAL & DISPOSAL (TO INCLUDE ROLLED & STRAIGHT CURB)														
Second Content and Application (1985) 100	3 BOX OUT REMOVAL	⊥ 1	/SQ YD	\$15.00	\$15.00	\$10.00	\$10.00	\$20.00	\$20.00	\$75.00	\$75.00	\$45.00	\$45.00	\$250.00	\$250.0
COLUMN TOTAL PROPERTY COLUMN TOTAL T	4 JOINT REMOVAL	1131.5	/SQ YD	\$11.50	\$13,012.25	\$30.00	\$33,945.00	\$20.00	\$22,630.00	\$20.00	\$22,630.00	\$45.00	\$50,917.50	\$50.00	\$56,575.0
Second Confession Second S	5 SLAB REMOVAL	3,223	/SQ YD	\$10.00	\$32,230.00	\$15.00	\$48,345.00	\$20.00	\$64,460.00	\$15.00	\$48,345.00	\$36.00	\$116,028.00	\$12.00	\$38,676.0
The content of the	CONCRETE REPLACEMENT (TO INCLUDE ROLLED & STRAIGHT CURB)	-													
Part	6 BOX OUT REPLACEMENT	Γ 1	/SQ YD	\$125.00	\$125.00	\$100.00	\$100.00	\$80.00	\$80.00	\$135.00	\$135.00	\$170.00	\$170.00	\$800.00	\$800.0
Part	7 JOINT REPLACEMEN	Г 1131.5	/SQ YD	\$71.50	\$80,902.25	\$90.00	\$101,835.00	\$75.00	\$84,862.50	\$88.00	\$99,572.00	\$86.00	\$97,309.00	\$120.00	\$135,780.00
The Company of the	SLAB REPLACEMEN	Г													
10 10 10 10 10 10 10 10	8 7	" 2,907	/SQ YD	\$59.30	\$172,385.10	\$58.00	\$168,606.00	\$68.00	\$197,676.00	\$75.00	\$218,025.00	\$54.00	\$156,978.00	\$82.00	\$238,374.0
To Mark REPROMODED 100 0.100 1500	9	" 316	/SQ YD	\$64.00	\$20,224.00	\$68.00	\$21,488.00	\$73.00	\$23,068.00	\$85.00	\$26,860.00	\$64.00	\$20,224.00	\$95.00	\$30,020.00
75 MERITA CORRECTION 10 10 10 10 10 10 10 1	10 12	" 1	/SQ YD	\$125.00	\$125.00	\$140.00	\$140.00	\$76.00	\$76.00	\$125.00	\$125.00	\$74.00	\$74.00	\$200.00	\$200.00
15 MATTING 1500	11 BASE REMOVAL & DISPOSAL	100	/CU YD	\$10.00	\$1,000.00	\$15.00	\$1,500.00	\$65.00	\$6,500.00	\$25.00	\$2,500.00	\$24.00	\$2,400.00	\$30.00	\$3,000.00
12 The Court 1915	12 BASE REPLACEMENT WITH COMPACTION	100	/CU YD	\$40.00	\$4,000.00	\$65.00	\$6,500.00	\$35.00	\$3,500.00	\$55.00	\$5,500.00	\$65.00	\$6,500.00	\$80.00	\$8,000.00
SEA CASANIE	13 4" UNDERDRAIN INSTALLED & BACKFILLED	1	/LN FT	\$20.00	\$20.00	\$25.00	\$25.00	\$10.00	\$10.00	\$25.00	\$25.00	\$12.00	\$12.00	\$25.00	\$25.00
## 22 YOR CURB OF TEAL PROPERTY 72 \$10.00 \$15.00 \$1	14 24" WIDE CURB & GUTTER - REMOVAL	270	/LN FT	\$10.00	\$2,700.00	\$15.00	\$4,050.00	\$10.00	\$2,700.00	\$15.00	\$4,050.00	\$7.00	\$1,890.00	\$15.00	\$4,050.00
TYPE ALCEURS REMOVIN	15 REPLACEMEN	Г 270	/LN FT	\$22.00	\$5,940.00	\$35.00	\$9,450.00	\$50.00	\$13,500.00	\$45.00	\$12,150.00	\$35.00	\$9,450.00	\$33.00	\$8,910.00
## TYPE AC LOUIS - \$4,000 1, 0,007 5000 1100 1100 1100 5000	16 32" WIDE CURB & GUTTER - REMOVAL	772	/LN FT	\$10.00	\$7,720.00	\$15.00	\$11,580.00	\$10.00	\$7,720.00	\$15.00	\$11,580.00	\$7.00	\$5,404.00	\$15.00	\$11,580.00
## TYPE AC LOUIS - \$4,000 1, 0,007 5000 1100 1100 1100 5000	17 REPLACEMEN'	Г 772	/LN FT	\$30.00	\$23,160.00	\$36.00	\$27.792.00	\$50.00	\$38.600.00	\$48.00	\$37.056.00	\$37.00	\$28,564.00	\$35.00	\$27,020.00
PRINCE PRINCE SAME SAM		1	/LN FT												\$15.00
20 PME REMOVEL 1		г 1			,	• • • • • • • • • • • • • • • • • • • •	·		1			•		·	\$40.00
SEPACEMENT MATT SAUR S		1			·		·		1		·		·	· · · · · · · · · · · · · · · · · · ·	\$15.00
Z TYPE OLUBS - NEW HISTALATION 1 AUFT \$20.0 \$20.0 \$40.0		Г 1			·	· · · · · · · · · · · · · · · · · · ·		,	1				·		\$40.00
22 ROLLANDON REPLACEMENT 1 \$10.00 \$10		4			·		·		1		·				
		1	/LIV F I		·		·		i i						\$40.00
Secretary Secr	*	1.			·		·		1		·		·		\$15.00
26 OMERICA DIVERSITY 1	24 REPLACEMEN	I 1		\$20.00	\$20.00	\$30.00	\$30.00	\$20.00	\$20.00	\$40.00	\$40.00	\$32.00	\$32.00	\$40.00	\$40.00
26 OMERICA DIVERSITY 1	25 604 CATCH BASIN OR MANHOLE AD ILISTED TO GRADE	1	ΕΛ	\$300.00	\$300.00	\$300.00	\$300.00	\$1,000,00	\$1,000,00	\$850.00	\$850.00	\$350.00	\$350.00	00 000	\$800.00
27 90 ACTOH BASIN, YALLT BOX REPULT 1		1		· · · · · · · · · · · · · · · · · · ·	·		·			1	,				\$500.00
29 60 ACTCH BASIN RECONSTRUCTED TO GRADE 1 6A \$450.00 \$400.00 \$400.00 \$15.00.00 \$15.00.00 \$18.00.00 \$31.00.00 \$30.00.00 \$30.00.00 \$51.00.00 \$31.00	27 604 CATCH BASIN, VAULT BOX REBUILT	1	EA		·		·		1	1	,				\$3,000.00
SOURCIVITS 1	28 604 CATCH BASIN, VAULT BOX REPLACED	1	EA	\$500.00	\$500.00	\$400.00	\$400.00	\$6,500.00	\$6,500.00	\$3,800.00	\$3,800.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
31 ADDITIONAL COST FOR DOT MS CONCRETE 1 CUYD \$515.00 \$15.00 \$15.00 \$515.00 \$55.00 \$25.00 \$25.00 \$55		1		· · · · · · · · · · · · · · · · · · ·	·		·							. ,	\$1,000.00
22 ADDITIONAL COST FOR FAST SET ODOT FS 1 CU YD \$30.00 \$30		1		· · · · · · · · · · · · · · · · · · ·	,		·				,			. ,	\$1,200.00 \$25.00
SO PART SO		1		*	*	*	· ·				·				\$25.00
A DEVENUAL PRIOR REPLACEMENT, 6' DEPTH 1		1	(0.0.1.0)	· ·	·	•	· ·								
REMOVAL 1 SO YD \$15.00 \$15.00 \$15.00 \$15.00 \$20.00 \$20.00 \$20.00 \$9.00 \$9.00 \$9.00 \$25.00 \$20.00 \$9.00 \$9.00 \$9.00 \$25.00 \$9.0		1													
REPLACEMENT 1	COMMERICAL DRIVE APRON (Per City Specification, Page 10A)														
SIDEWALK REMOVAL 1	REMOVAL	1	/SQ YD	\$15.00	\$15.00	\$15.00	\$15.00	\$20.00	\$20.00	\$20.00	\$20.00	\$9.00	\$9.00	\$25.00	\$25.00
SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6") SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6") SO YD SO.00	REPLACEMENT	Γ 1	/SQ YD	\$70.00	\$70.00	\$60.00	\$60.00	\$140.00	\$140.00	\$85.00	\$85.00	\$85.00	\$85.00	\$110.00	\$110.00
38 4 **DEPTH 13	37 SIDEWALK REMOVAL	1	/SQ YD	\$10.00	\$10.00	\$15.00	\$15.00	\$10.00	\$10.00	\$10.00	\$10.00	\$9.00	\$9.00	\$100.00	\$100.00
39 S 5 DEPTH 1 SQ YD \$55.00 \$55.00 \$70.00 \$70.00 \$72.00 \$65.00 \$65.00 \$65.00 \$200.00 \$300.00 \$	SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6")														
40	38 4" DEPTH	13	/SQ YD	\$50.00	\$650.00	\$70.00	\$910.00	\$70.00	\$910.00	\$60.00	\$780.00	\$63.00	\$819.00	\$200.00	\$200.00
41 BRIDGE SIDEWALK REMOVAL BRIDGE SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6") 42 9" DEPTH 1 /SQ YD \$85.00 \$85.00 \$70.00 \$70.00 \$84.00 \$100.00 \$99.00 \$99.00 \$99.00 \$1,000.00 \$1 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") 44 SQ YD \$185.00 \$185.00 \$185.00 \$200.00 \$200.00 \$200.00 \$200.00 \$175.00 \$175.00 \$65.00 \$65.00 \$300	39 5" DEPTH	1 1	/SQ YD	\$55.00	\$55.00	\$70.00	\$70.00	\$72.00	\$72.00	\$65.00	\$65.00	\$65.00	\$65.00	\$200.00	\$200.00
BRIDGE SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6") 42 9" DEPTH 1 /SQ YD \$85.00 \$85.00 \$70.00 \$70.00 \$84.00 \$100.00 \$100.00 \$99.00 \$99.00 \$1,000.00 \$1 43 11" DEPTH 1 /SQ YD \$110.00 \$110.00 \$100.00 \$99.00 \$125.00 \$125.00 \$125.00 \$115.00 \$15.00 \$1.500.00 \$1 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") 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") 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") 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") 49 " 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") 40 " 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") 40 " 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") 41	40 6" DEPTH	1 1	/SQ YD	\$60.00	\$60.00	\$75.00	\$75.00	\$74.00	\$74.00	\$70.00	\$70.00	\$70.00	\$70.00	\$225.00	\$225.00
42 9 9" DEPTH 1 SQ YD \$85.00 \$85.00 \$70.00 \$70.00 \$84.00 \$100.00 \$100.00 \$99.00 \$99.00 \$1,000.00 \$1 43 11" DEPTH 1 SQ YD \$110.00 \$110.00 \$100.00 \$95.00 \$95.00 \$125.00 \$115.00 \$115.00 \$1,000.00 \$1 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") 48	BRIDGE SIDEWALK REMOVAL	1	/SQ YD	\$20.00	\$20.00	\$30.00	\$30.00	\$20.00	\$20.00	\$50.00	\$50.00	\$55.00	\$55.00	\$1,000.00	\$1,000.00
43	BRIDGE SIDEWALK REPLACEMENT (To Include Wire Mesh, W2.9 x W2.9, 6"x6")														
43	9" DEPTH	1 1	/SQ YD	\$85.00	\$85.00	\$70.00	\$70.00	\$84.00	\$84.00	\$100.00	\$100.00	\$99.00	\$99.00	\$1,000.00	\$1,000.00
44 1 1 /SQ YD \$185.00 \$185.00 \$200.00 \$200.00 \$200.00 \$175.00 \$175.00 \$65.00 \$300.00 \$	48" x 24" ArmorTile ADA Sidewalk Ramp, 4" DEPTH, with Truncated dome (Mode				·				i e			·			\$1,500.00
TOTAL CONCRETE REPAIR \$377.308.60 \$454.483.00 \$501.324.50 \$510.711.00 \$522.520.65 \$504.00		1	/SQ YD	\$185.00	\$185.00	\$200.00	\$200.00	\$200.00	\$200.00	\$175.00	\$175.00	\$65.00	\$65.00	\$300.00	\$300.00
	TOTAL CONCRETE REPAIR	2			\$377,308.60		\$454,483.00		\$501,324.50		\$519,711.00		\$533,520.65		\$594,941.50

UNSCHEDULED CONCRETE REPAIRS						
			Set In Stone Contractors	Fabrizi Trucking &	Liberta Construction	TriMor Corp.
			Contractors	raving Co.	Liberta Construction	Triwor Corp.
7" PRICE PER SQUARE YARD	1	/SQ YD	\$175.00	\$450.00	\$135.00	\$150.00
9" PRICE PER SQUARE YARD	1	/SQ YD	\$195.00	\$650.00	\$144.50	\$180.00
12" PRICE PER SQUARE YARD	1	/SQ YD	\$225.00	\$850.00	\$153.50	\$200.00
COMMERCIAL DRIVE APRON:						
REMOVAL	1	/SQ YD	\$20.00	\$50.00	\$55.00	\$20.00
REPLACEMENT	1	/SQ YD	\$80.50	\$550.00	\$55.00	\$200.00

PARTIAL DEPTH JOINT REPAIR					
			Crossroads Asphalt Recycling		,
CONCRETE - Unscheduled					
LONGITUDINAL JOINT BY THE LINEAL FOOT	1	/LN FT	\$9.50	\$9.00	NB
TRANSVERSE JOINT OR CRACK BY THE LINEAL FOOT	1	/LN FT	\$10.00	\$10.00	NB
ASPHALT - Unscheduled					
LONGITUDINAL JOINT BY THE LINEAL FOOT	1	/LN FT	\$24.00	\$21.00	\$25.00
TRANSVERSE JOINT OR CRACK BY THE LINEAL FOOT	1	/LN FT	\$34.00	\$24.00	\$45.00

PULVAMIXING				
			Crossroads	
			Asphalt Recycling Inc.	Specialized Construction
Pulvamixing	/S	Q YD	\$3.00	\$3.00
Sub Base Removal and Replacement	/C	U YD	\$50.00	\$40.00
CMS-1 or CMS-2 Applied	/G	GAL	\$4.50	\$4.00
#57 Stone Delivered and Spread	/T	ON	\$50.00	\$40.00

ASPHALT PLACEMENT		Crossroads Asphalt Recycling		• •
INSTALLATION OF A MINIMUM OF 50-99 TONS PER 8-HOUR DAY	/TON	\$115.00	\$100.00	\$150.00
INSTALLATION OF A MINIMUM OF 100-299 TONS PER 8-HOUR DAY	/TON	\$95.00	\$80.00	\$125.00
INSTALLATION OF 300+ TONS PER 8-HOUR DAY	/TON	\$50.00	\$40.00	\$75.00

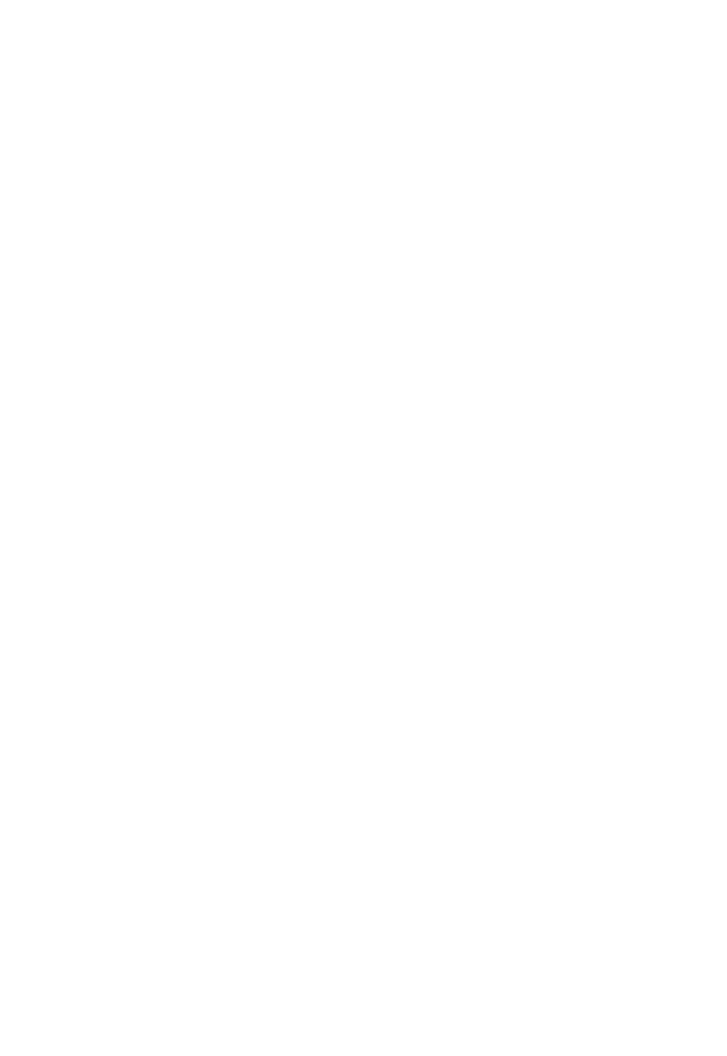
PAINT STRIPING			
		J.D. Striping & Services	Aero-Mark, Inc.
TOTAL STREET STRIPING (ALL LINES)		\$47,686.00	\$49,333.00
AUXILIARY TRAFFIC MARKINGS		\$30,289.00	\$34,231.00

PARTIAL PLANING			Crossroads Asphalt Recycling		
AS NEEDED	1	SQUARE YD	\$75.00	\$70.00	\$60.00

PAVEMENT PLANING			Crossroads Asphalt Recycling	Specialized Construction	Chagrin Valley Paving, Inc.
(Mill 3") Boulder Creek	1,132	SQUARE YD	\$4.25	\$2.98	\$2.97
(Mill 3") Fitzwater Road	5,448	SQUARE YD	\$4.25	\$2.98	\$2.97
(Mill 3") Sunstone (7770 to CDS)	2,448	SQUARE YD	\$4.25	\$2.98	\$2.97
(Mill 3") Timber Trail	3,975	SQUARE YD	\$4.25	\$2.98	\$2.97
(Mill 3") Riverview (Priest Hill to 9697)	6,320	SQUARE YD	\$4.25	\$2.98	\$2.97
(Mill 3") South Edgerton (HL to Miller)	4,896	SQUARE YD	\$4.25	\$2.98	\$2.97
(Mill 3") Windstream	1,454	SQUARE YD	\$4.25	\$2.98	\$2.97
		SQUARE YD	\$4.25	\$2.98	\$2.97
Total Square Yards - Scheduled Projects	25,673				
Total Cost for Pavement Planing Work Program, Scheduled Projects			\$109,110.25	\$76,505.54	\$76,248.81
Unit Price for Unscheduled Projects at 3" Depth		SQUARE YD	\$4.75	\$2.98	\$3.25
Surface Patching		CUBIC YD	\$500.00	\$400.00	\$500.00

SINGLE PASS		
		Specialized Construction
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	\$4.00
Cost Per Ton of #57 Stone, Furnished, Delivered and Applied	PER TON	\$50.00

EQUIPMENT RENTAL	1			0, 1,1,	
		Specialized	· ·	Chagrin Valley	Asphalt Fabrics &
		Construction	Recycling	Paving	Specialties
A. TRUCKS:					
TANDEM AXLE					
Driver included for material handling/asphalt (per ton)	PER TON	NB	NB		
	PER HOUR			\$100.00	\$70.0
TRI-AXLE	PER TON	NB	NB		
Driver included for material handling/asphalt (per ton)	PER HOUR			\$100.00	\$75.0
TACK COAT DISTRIBUTOR W/OPERATOR	PER HOUR	\$120.00	\$125.00	\$100.00	\$100.00
Anticipated Travel Time Per Day:		1 Hour	1.5 Hour	2 hrs	45 minutes
SS1 TACK COAT, DELIVERED TO BRECKSVILLE JOB SITE	PER GALLON	\$2.50	\$3.25	\$2.50	\$2.20
B. GRINDERS, MILLING MACHINES, CONCRETE CUTTERS: OPERATOR					
CAT PR105, or equivalent	PER HOUR	\$200.00	NB		
	PER WEEK	\$8,000.00	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	\$225.00	\$300.00		
	PER WEEK	\$9,000.00	\$12,000.00		
	72777227	ψο,σσσ.σσ	ψ12,000.00		
MILLING MACHINE, full width 6' - 7'.	PER HOUR	\$500.00	\$650.00		
	PER WEEK	\$18,500.00			
		\$.0,000.00	Ψ20,000.00		
COST OF OPERATOR	PER HOUR	Included	Included		



EQUIPMENT RENTAL (continued)			Specialized Construction	Crossroads Aspha Recyclin
C. EXCAVATION EQUIPMENT				
ВАСКНОЕ	Model		Cat 4156	Not speci
		PER HOUR	\$70.00	\$100
		PER WEEK	\$2,500.00	\$4,000
ROAD GRADER	Model		Volvo G8	Not speci
		PER HOUR	\$140.00	\$150
		PER WEEK	\$4,500.00	\$6,000
DOZER:				
CAT D-3 OR EQUIVALENT	Model		D3 Cat	Not speci
		PER HOUR	\$100.00	\$120
		PER WEEK	\$3,800.00	\$4,800
CAT D-6 OR EQUIVALENT	Model		D6 Cat	Not once:
CAT D-6 OK EQUIVALENT	iviouel	PER HOUR	\$130.00	Not speci \$150
		PER WEEK	\$4,900.00	\$6,000
		PERWEER	ψ-1,000.00	φο,σου
CAT D-8 OR EQUIVALENT	Model		D8 Cat	
		PER HOUR	\$200.00	
		PER WEEK	\$8,000.00	
ROAD WIDENER	Model		SP 8 Midland	
		PER HOUR	\$175.00	
		PER WEEK	\$7,000.00	
COST OF OPERATOR		PER HOUR	Included	Inclu
D. STREET SWEEPER & VAC-ALL SELF-PROPELLED VAC-ALL, OR EQUIVALENT (To Include all mobilization				
charges for approximately 10 locations)	Model		Vac-All 8 cy	
		PER HOUR	\$150.00	
		PER WEEK	\$6,000.00	
COST OF OPERATOR		PER WEEK PER HOUR	Included	
COST OF OPERATOR # of Operators Needed				
# of Operators Needed			Included 1	
# of Operators Needed COST OF LABORER			Included	
# of Operators Needed COST OF LABORER # of Laborers Needed	Model		\$65.00	
# of Operators Needed COST OF LABORER	Model	PER HOUR	\$65.00 1 GradAll 8	
# of Operators Needed COST OF LABORER # of Laborers Needed	Model		\$65.00 1 GradAll 8	
# of Operators Needed COST OF LABORER # of Laborers Needed	Model	PER HOUR PER HOUR	\$65.00 1 GradAll 8	
# of Operators Needed COST OF LABORER # of Laborers Needed	Model	PER HOUR PER HOUR	\$65.00 1 GradAll 8	
# of Operators Needed COST OF LABORER # of Laborers Needed E. GRADALL WITH OPERATOR		PER HOUR PER HOUR	Included 1 \$65.00 1 GradAll 8 \$350.00 \$11,000.00	
# of Operators Needed COST OF LABORER # of Laborers Needed	Model	PER HOUR PER HOUR	\$65.00 1 GradAll 8	

	GUARDRAIL						
		ESTIMATED	UNIT OF				
		2019 QUANTITY	MEASURE	Lake Erie C	Construction	Cuyahoga I	Fence LLC
	UNIT COSTS FOR GUARDRAIL IN 2019:			Unit Price	Total	Unit Price	Total
1	Guardrail, Type 5 (to include splice bolts)		1 Panel	\$164.00	\$164.00	\$162.50	\$162.50
2	Guardrail, Type 5 Radius Panels (to include splice bolts)		1 Panel	\$186.00	\$186.00	\$185.00	\$185.00
3	Type 5 Anchor Assembly, Type T		1	\$745.00	\$745.00	\$785.00	\$785.00
4	Type 5 Anchor Assembly, Type E-98		1	\$2,270.00	\$2,270.00	\$2,050.00	\$2,050.00
5	Type 5 Anchor Assembly, Type A		1	\$1,160.00	\$1,160.00	\$995.00	\$995.00
6	Guardrail Post, Standard Wood 6'		1	\$67.50	\$67.50	\$30.00	\$30.00
7	Guardrail Post, Steel 6'		1	\$82.00	\$82.00	\$67.50	\$67.50
8	Guardrail Post, Steel 9'		1	\$80.00	\$80.00	\$82.75	\$82.75
	T						
9	Type 5 (8") Plastic Block Out		1	\$8.50	\$8.50	\$8.00	\$8.00
	To a S Shoot d Duff and South (South Included in Toron T Apply on Apparell b)		,	040.00		0.40.00	040.00
10	Type 5 Flared/Buffered End (if not included in Type T Anchor Assembly)		1	\$40.00	\$40.00	\$42.00	\$42.00
-11	MCS Florad/Puffored End (if not included in Type T Apphor Accombin	13	4	¢45.00	¢595.00	£42.00	\$5.46.00
11	MGS Flared/Buffered End (if not included in Type T Anchor Assembly)	13	1	\$45.00	\$585.00	\$42.00	\$546.00
12	MGS Guardrail - 6' Steel Post, 12" Plastic Block Out	528'	Per Foot	\$22.00	\$11,616.00	\$22.00	\$11,616.00
12	INCO Guardian - O Green Got, 12 1 readic block Gut	320	i ei i oot	Ψ22.00	ψ11,010.00	Ψ22.00	\$11,010.00
13	MGS Guardrail - Radius Panel, 6' Steel Post, 12" Plastic Block out	84'	Per Foot	\$26.50	\$2,226.00	\$25.25	\$2,121.00
	The Guardian Fidulia Fidulia Color Con 12 Fidulia Brown Cut	<u>. </u>	. 6. 1 661	ψ25.00	ψ <u>ε,</u> εεσ.σσ	Ф 20.20	Q 2,121.00
14	MGS Guardrail - 9' Steel Post, 12" Plastic Block Out	372'	12.5' Per Foot	\$27.50	\$10,230.00	\$28.50	\$10,602.00
				•	, ,,	,	• .,
15	MGS Guardrail Radius Panel - 9' Steel Post, 12" Plastic Block Out	60'	12.5' Per Foot	\$31.00	\$1,860.00	\$31.00	\$1,860.00
16	MGS Anchor Assembly, Type T	11	1	\$845.00	\$9,295.00	\$785.00	\$8,635.00
17	MGS Anchor Assembly, Type E	5	1	\$2,270.00	\$11,350.00	\$2,100.00	\$10,500.00
18	MGS - 12" Plastic Block Out		1	\$12.50	\$12.50	\$12.00	\$12.00
19	End Treatment Full Round	2	1	\$65.00	\$130.00	\$65.00	\$130.00
20	Cost Per Mobilization	1 Mobilization	1 Mobilization	\$695.00	\$695.00	\$695.00	\$695.00
				Specialized	Crossroads Asphalt	Asphalt Fabrics &	

ASPHALT PAVEMENT PRE-SEAL LAYER			Specialized Construction	Crossroads Asphalt Recycling	Asphalt Fabrics & Specialties
	0-4,999	SQUARE YD	\$2.45	\$2.75	\$4.00
	5,000-9,999	SQUARE YD	\$2.45	\$2.65	\$2.90
	10,000+	SQUARE YD	\$2.45	\$2.55	\$2.90