



<b>UNSCHEDULED CONCRETE REPAIRS</b>				<i>Set In Stone Contractors</i>	<i>Fabrizi Trucking &amp; Paving Co.</i>	<i>Perrin Asphalt Co.</i>	<i>TriMor Corp.</i>
7" PRICE PER SQUARE YARD	1	/SQ YD	\$150.00	\$375.00	\$135.00	\$100.00	
9" PRICE PER SQUARE YARD	1	/SQ YD	\$160.00	\$475.00	\$150.00	\$125.00	
12" PRICE PER SQUARE YARD	1	/SQ YD	\$175.00	\$750.00	\$160.00	\$150.00	
Mobilization Charge for Unscheduled Concrete Projects	1	EACH	\$2,650.00	\$4,500.00	\$2,500.00	\$15,000.00	
<b>COMMERCIAL DRIVE APRON:</b>							
REMOVAL	1	/SQ YD	\$25.00	\$25.00	\$50.00	\$20.00	
REPLACEMENT	1	/SQ YD	\$100.00	\$85.00	\$100.00	\$100.00	

<b>PARTIAL DEPTH JOINT REPAIR</b>				<i>Crossroads Asphalt Recycling</i>	<i>Specialized Construction</i>	<i>Chagrin Valley Paving</i>	<i>NES Corp</i>
<b>CONCRETE - Unscheduled</b>							
LONGITUDINAL JOINT BY THE LINEAL FOOT	1	/LN FT	\$11.00	\$9.50	\$47.20	NB	
TRANSVERSE JOINT OR CRACK BY THE LINEAL FOOT	1	/LN FT	\$12.00	\$10.00	\$64.00	NB	
<b>ASPHALT - Unscheduled</b>							
LONGITUDINAL JOINT BY THE LINEAL FOOT	1	/LN FT	\$25.00	\$23.00	\$47.25	\$25.00	
TRANSVERSE JOINT OR CRACK BY THE LINEAL FOOT	1	/LN FT	\$35.00	\$30.00	\$66.70	\$45.00	

<b>PULVAMIXING</b>				<i>Crossroads Asphalt Recycling Inc.</i>	<i>Specialized Construction</i>
Pulv mixing		/SQ YD	\$3.25	\$3.00	
Sub Base Removal and Replacement		/CU YD	\$50.00	\$40.00	
CMS-1 or CMS-2 Applied		/GAL	\$4.50	\$4.00	
#57 Stone Delivered and Spread		/TON	\$55.00	\$40.00	

<b>ASPHALT PLACEMENT</b>				<i>Crossroads Asphalt Recycling</i>	<i>Specialized Construction</i>	<i>Chagrin Valley Paving</i>	<i>NES Corp</i>
INSTALLATION OF A MINIMUM OF 50-99 TONS PER 8-HOUR DAY		/TON	\$115.00	\$100.00	\$110.00	\$95.00	
INSTALLATION OF A MINIMUM OF 100-299 TONS PER 8-HOUR DAY		/TON	\$95.00	\$80.00	\$85.00	\$63.00	
INSTALLATION OF 300+ TONS PER 8-HOUR DAY		/TON	\$50.00	\$40.00	\$45.00	\$42.00	

<b>PAINT STRIPING</b>				<i>J.D. Striping &amp; Services</i>	<i>Aero-Mark, Inc.</i>
TOTAL STREET STRIPING (ALL LINES)			\$49,015.00	\$50,566.00	
AUXILIARY TRAFFIC MARKINGS			\$32,482.00	\$35,337.00	
Additional Charges for Striping Newly Paved Streets within 48 Hours			\$500 ea add'l move-in	\$450/mobilization	

PARTIAL PLANING				Crossroads Asphalt Recycling	Specialized Construction	Chagrin Valley Paving
AS NEEDED	1		SQUARE YD	\$75.00	\$58.00	\$60.00

PAVEMENT PLANING				Crossroads Asphalt Recycling	Specialized Construction	Chagrin Valley Paving, Inc.
(Mill 3") Barkleigh Circle	1,325		SQUARE YD	\$3.85/\$5,101.25	\$2.95/\$3,908.75	\$3.27/\$4,332.75
(Mill 3") Cedar Street	780		SQUARE YD	\$3.85/\$3,003.00	\$2.95/\$2,301.00	\$3.27/\$2,550.60
(Mill 3") Fawn Circle	2,343		SQUARE YD	\$3.85/\$9,020.55	\$2.95/\$6,911.85	\$3.27/\$7,661.61
(Mill 3") Fitzwater Rd. (8700 to 11407)	7,092		SQUARE YD	\$3.85/\$27,304.20	\$2.95/\$20,921.40	\$3.27/\$23,190.84
(Mill 3") Hidden Canyon	6,100		SQUARE YD	\$3.85/\$23,485.00	\$2.95/\$17,995.00	\$3.27/\$19,947.00
(Mill 3") Hidden Lake Trail	3,266		SQUARE YD	\$3.85/\$12,574.10	\$2.95/\$9,634.70	\$3.27/\$10,679.82
(Mill 3") Stadium Dr. (N. side of square)	324		SQUARE YD	\$3.85/\$1,247.40	\$2.95/\$955.80	\$3.27/\$1,059.48
(Mill 3") Tanager (Fitzwater to Sunrise)	4,355		SQUARE YD	\$3.85/\$16,766.75	\$2.95/\$12,847.25	\$3.27/\$14,240.85
(Mill 3") Vaughn Road	620		SQUARE YD	\$3.85/\$2,387.00	\$2.95/\$1,829.00	\$3.27/\$2,027.40
(Mill 3") Wallings Road - contingent on grant funding	7,940		SQUARE YD	\$3.85/\$30,569.00	\$2.95/\$23,423.00	\$3.27/\$25,963.80
(Mill 3") Riverview Rd. (Muraski Hill) - contingent on grant funding	5,403		SQUARE YD	\$3.85/\$20,801.55	\$2.95/\$15,938.85	\$3.27/\$17,667.81
(Mill 3") Montesorri Lot (Blossom Hill)	2,317		SQUARE YD	\$3.85/\$8,920.45	\$2.95/\$6,835.15	\$3.27/\$7,576.59
(Mill 3") Co-Op School Lot (Blossom Hill)	825		SQUARE YD	\$3.85/\$3,176.25	\$2.95/\$2,433.75	\$3.27/\$2,697.75
Total Square Yards/Total Cost - Scheduled 3" mill Projects	42,690			\$164,356.50	\$125,935.50	\$139,596.30
(Mill 2") Oakes Road - Various Repairs	1,099		SQUARE YD	\$3.85/\$4,231.15	\$2.95/\$3,242.05	\$9.00/\$9,891.00
<b>Total Cost for Pavement Planing Work Program, Scheduled Projects 3" &amp; 2"</b>				<b>\$168,587.65</b>	<b>\$129,177.55</b>	<b>\$149,487.30</b>
<b>Unit Price for Unscheduled Projects at 3" Depth</b>			SQUARE YD	\$5.00	\$3.00	\$3.27
<b>Mobilization Charge for Unscheduled Projects</b>			EACH	\$1,500.00	\$600.00	\$3,500.00
<b>Surface Patching</b>			CUBIC YD	\$500.00	\$500.00	\$500.00

SINGLE PASS				Specialized Construction
Cost Per Square Yard of Single Pass Recycling included testing and mix design			SQUARE YD	\$9.00
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	\$75.00

EQUIPMENT RENTAL				Specialized Construction	Crossroads Asphalt Recycling	Chagrin Valley Paving	Asphalt Fabrics & Specialties	NES Corp
<b>A. TRUCKS:</b>								
<b>TANDEM AXLE</b>								
Driver included for material handling/asphalt (per ton)			PER TON	NB	NB		\$75.00	\$85.00
			PER HOUR					
<b>TRI-AXLE</b>								
Driver included for material handling/asphalt (per ton)			PER TON	NB	NB	\$85.00	\$80.00	\$95.00
			PER HOUR					
<b>TACK COAT DISTRIBUTOR W/OPERATOR</b>								
Anticipated Travel Time Per Day:			PER HOUR	\$130.00	\$125.00	\$100.00	\$100.00	\$185.00
				1 Hour	1.5 Hour	30 minutes	45 minutes	2 hours
<b>SS1 TACK COAT, DELIVERED TO BRECKSVILLE JOB SITE</b>								
			PER GALLON	\$2.70	\$3.25	\$2.25	\$2.30	\$2.70
<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	\$225.00	\$300.00			
			PER WEEK	\$9,000.00	\$12,000.00			
<b>MILLING MACHINE, full width 6' - 7'.</b>								
			PER HOUR	\$500.00	\$650.00			
			PER WEEK	\$18,500.00	\$25,000.00			
<b>Does your company own the milling machine?</b>								
				Yes	Yes; Wirtgen 200			
<b>COST OF OPERATOR</b>								
			PER HOUR	Included	Included			

EQUIPMENT RENTAL (continued)			Specialized Construction	Crossroads Asphalt Recycling
<b>C. EXCAVATION EQUIPMENT</b>				
BACKHOE	Model		Cat 4156	Not specified
		PER HOUR	\$70.00	\$100.00
		PER WEEK	\$2,500.00	\$4,000.00
<b>ROAD GRADER</b>				
	Model		Volvo G8	Not specified
		PER HOUR	\$140.00	\$150.00
		PER WEEK	\$4,500.00	\$6,000.00
<b>DOZER:</b>				
CAT D-3 OR EQUIVALENT	Model		D3 Cat	Not specified
		PER HOUR	\$100.00	\$120.00
		PER WEEK	\$3,800.00	\$4,800.00
<b>CAT D-6 OR EQUIVALENT</b>				
	Model		D6 Cat	Not specified
		PER HOUR	\$130.00	\$150.00
		PER WEEK	\$4,900.00	\$6,000.00
<b>CAT D-8 OR EQUIVALENT</b>				
	Model		D8 Cat	
		PER HOUR	\$200.00	NB
		PER WEEK	\$8,000.00	NB
<b>ROAD WIDENER</b>				
	Model		SP 8 Midland	
		PER HOUR	\$175.00	NB
		PER WEEK	\$7,000.00	NB
<b>COST OF OPERATOR</b>				
		PER HOUR	Included	Included
<b>D. STREET SWEEPER &amp; VAC-ALL</b>				
SELF-PROPELLED VAC-ALL, OR EQUIVALENT (To include all mobilization charges for approximately 10 locations)		Model		Vac-All 8 cy
		PER HOUR	\$175.00	NB
		PER WEEK	\$7,000.00	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 110	NB
		PER HOUR	\$100.00	NB
		PER WEEK	\$3,500.00	NB

<b>GUARDRAIL</b>							
<i>*See pricing of actual 2020 Work Program attached.</i>		ESTIMATED 2020 QUANTITY	UNIT OF MEASURE	<b>Lake Erie Construction*</b>		<b>Cuyahoga Fence LLC*</b>	
<b>UNIT COSTS FOR GUARDRAIL IN 2019:</b>				Unit Price	Total	Unit Price	Total
1	Guardrail, Type 5 (to include splice bolts)		1 Panel	\$160.00	\$160.00	\$162.50	\$162.50
2	Guardrail, Type 5 Radius Panels (to include splice bolts)		1 Panel	\$182.00	\$182.00	\$185.00	\$185.00
3	Type 5 Anchor Assembly, Type T		1	\$820.00	\$820.00	\$795.00	\$795.00
4	Type 5 Anchor Assembly, Type E-98		1	\$2,320.00	\$2,320.00	\$1,600.00	\$1,600.00
5	Type 5 Anchor Assembly, Type A		1	\$1,175.00	\$1,175.00	\$650.00	\$650.00
6	Guardrail Post, Standard Wood 6'		1	\$33.00	\$33.00	\$30.00	\$30.00
7	Guardrail Post, Steel 6'		1	\$63.00	\$63.00	\$67.50	\$67.50
8	Guardrail Post, Steel 9'		1	\$82.00	\$82.00	\$82.75	\$82.75
9	Type 5 (8") Plastic Block Out		1	\$8.20	\$8.20	\$8.00	\$8.00
10	Type 5 Flared/Buffered End (if not included in Type T Anchor Assembly)		1	\$39.00	\$39.00	\$42.00	\$42.00
11	MGS Flared/Buffered End (if not included in Type T Anchor Assembly)	12	1	\$45.00	\$540.00	\$42.00	\$504.00
12	MGS Guardrail - 6' Steel Post, 12" Plastic Block Out	511'	Per Foot	\$21.50	\$10,986.50	\$22.00	\$11,242.00
13	MGS Guardrail - Radius Panel, 6' Steel Post, 12" Plastic Block out		Per Foot	\$24.80	\$24.80	\$23.50	\$23.50
14	MGS Guardrail - 9' Steel Post, 12" Plastic Block Out	908'	12.5' Per Foot	\$27.25	\$24,743.00	\$23.50	\$21,338.00
15	MGS Guardrail Radius Panel - 9' Steel Post, 12" Plastic Block Out		12.5' Per Foot	\$30.00	\$30.00	\$31.00	\$31.00
16	MGS Anchor Assembly, Type T	3	1	\$820.00	\$2,460.00	\$875.00	\$2,625.00
17	MGS Anchor Assembly, Type E	4	1	\$2,140.00	\$8,560.00	\$2,375.00	\$9,500.00
18	MGS - 12" Plastic Block Out		1	\$12.50	\$12.50	\$12.00	\$12.00
19	End Treatment Full Round		1	\$65.00	\$65.00	\$65.00	\$65.00
20	Cost Per Mobilization	1 Mobilization	1 Mobilization	\$680.00	\$680.00	\$750.00	\$750.00

<b>ASPHALT PAVEMENT PRE-SEAL LAYER</b>				<b>Specialized Construction*</b>	<b>Crossroads Asphalt Recycling</b>	<b>Asphalt Fabrics &amp; Specialties</b>	<b>NES Corp*</b>
<i>*See pricing of actual 2020 Work Program attached.</i>		0-4,999	SQUARE YD	\$2.49	\$3.00	\$4.25	\$3.30
		5,000-9,999	SQUARE YD	\$2.49	\$2.90	\$3.15	\$2.14
		10,000+	SQUARE YD	\$2.49	\$2.80	\$3.15	\$2.09