

**2019 Paving Program Project**  
**Elkhart County Highway Department**

**ADDENDUM NO. 1**

March 14, 2019

The project bid documents and specifications have been modified or added as follows:

- Added TP 38 – Inspection Equipment
- Revised 2019 Paving Contractors Bid Tabs to include TP 38 Inspection Equipment to Paving Group 1. Please replace with the Revised Paving Contractors Bid Tab spreadsheet.

**PLEASE NOTE:** It is the responsibility of interested bidders to check the Elkhart County Highway website for updates ([www.elkcohwvy.org/bids/](http://www.elkcohwvy.org/bids/)).

## TP38 – INSPECTION EQUIPMENT

### 1. GENERAL

None.

### 2. MATERIALS

Contractor shall provide to Elkhart County the following inspection equipment, or approved equals:

#### **A. One (1) "NEW" Engineering Desktop:**

New XI® MTower™ PCIe Workstation (Base Configuration)

Intel® Core™ i7-8086K LIMITED ANNIVERSARY EDITION 4.0/5.0GHz-1C Turbo Boost-Hi-Perf. Air Cooled-12MB Shared L3 Cache 8 GT/s DMI3 Six-Core 8th Gen. 14nm w/Artic Silver® 5 Thermal Compound (Req. Z370 Motherboard)

32GB DDR4 @ 3000MHz High Performance Aluminum Heat Spreader

NVIDIA® Quadro® P4000 8GB GDDR5 Pascal™ Architecture PCIe 16x 3.0-4xDisplayPort 1.4 Outputs- (w/ 1xDP-DVI Adapter)-1xStereo-VR Ready-DX12-OGL 4.5- Shad.M 5.1-Supports four monitors

500GB Solid State Drive NVMe Samsung® 970 EVO M.2 PCIe 3.0 x4 3400/2300MB/S Seq.R/W Shock Resistant 1500G.

HDD Std Ctrl. accordingly to Motherboard and HDD Type Selected

DVD+RW/DU+R-R/CD-RW Double Media 4.7/8.5GB 18x

On-Board Sound or accordingly to motherboard specifications

Logitech® Z200 Black PC Multimedia Speakers 10W RMS Power w/built in headphone jack

On-Board Network Connectivity accordingly to motherboard specifications

Logitech® Wireless Solar Cordless Desktop® MK750 Keyboard and Laser Mouse set programmable

Logitech® Corded 2+ Wheel Mouse Black Optical

Genuine Microsoft® Windows® 10 Professional 64-bit Fully installed, configured and updated, Includes original DVD media and COA  
NVIDIA® GeForce® Experience for Windows

ASUS® PRIME Z370-P Intel® Z370 Chipset for 8th Gen CPU--2xPCIe 3.0/2.0 x16(16x/x4 mode)-4xPCIe X1-DDR4 to 64GB 4000(OC)/2133-1xGb LAN-1xM.2 Slots-4xSATA 6Gb/s RAID 0/1/5-HD Audio-BCHSxUSB 2.0/3.0-VGA-DVI.HDMI-ATX M/B

700W Bronze Certified 80 Plus Rosewill® Glacier-YOOM Semi-Modular 135mm Silent Aero Diversion Fan Single 12V+ Rail 85%+efficiency Active PFC PSU

Xi® MTower™ Fractal Design Define XL R2 Black Full ATX Case 3x14cm Quiet Fans with ModuVent&Noise-reducing material-4xFront USB 3.0/2.0-4x5 1/4" 8x3 1/2"- E-ATX/XL-ATX Supp.(Supports Dual Fan Radlator for O.C.) Dlm.(DxWxH):22.05"x9.13"x22.01"

Standard XI Warranty w/Express Advance Parts Replacement, Lifetime Tech Support, Three Year Labor FOB Xi, One Year on System parts. Manufacturer warranty on Software, Monitors and external accessories.(Freight both ways paid for parts only inside US & CA)

NEMA 5-15P to C13 Wall Plug, 125 Volt, 16AWG, 5 Feet. Standard Computer AC US Power Cord or other major countries standard Power Cord (AU/CH/DE/FR/IT/NZ/UK)

Resource Media DVD - Warranty, User's Guide Info and Device Drivers for the preinstalled Windows® OS

Intel® Inside™ Brand Processor Label affixed to the new PC

Certificate of Authenticity (COA) label for the preinstalled Microsoft® Windows® OS purchased with new PC - The Windows Product key sticker is affixed to the right side of the system (on Rackmounts can be found on left/rear/top panel)

48 to 72 Hour Extensive System Hardware and Software Burn-In Test Procedure for your new PC

**Two (2) New Samsung 8 Series S32D850T – LED monitor – 32"; Mfg.Part: S32D850T  
Two (2) New HDMI to Display Port Cable – 10'**

**B. Three (3) "NEW" "Business" Desktops with equal to or better specifications:**

New HP ProDesk 400 G4

Model# 1GG07UT

Processor: Intel Core i5 (7th Gen) 7500/3.4 GHz (3.8 GHz turbo) (Quad-Core) with Intel HD Graphics 630

Memory: 8 GB (installed)/32 GB (max) - DDR4 SDRAM - non-ECC - PC4-19200 - 2400Mhz

Storage: 256GB Solid State Disk (SSD)

DVD-RW Optical Drive | DVD-Writer

OS Installed: Windows 10 Pro 64-bit Edition

8 Total USB - 4 x USB 2.0 (two of them with wake functionality) | 4 x USB 3.1 Gen1 (2 front, 2 rear)

2 x DisplayPort

1 x VGA

1 x headphones/microphone (1 in front)

1 x audio line-in

1 x audio line-out

1 x LAN (Gigabit Ethernet)

Bluetooth™ connectivity

Intel® Wireless-AC 9560 (2x2) Gigabit Wi-Fi

Three-year (3-3-3) limited warranty (Protected by HP Services, including a 3-year parts, 3

years labor, and 3 years onsite service)

Recovery DVDs

HP business PCs are shipped with a variety of software titles including: HP BIOSphere Gen3, CyberLink Power Media Player, Native Miracast Support, HP ePrint Driver, HP Support Assistant.

HP 4 Yr Next Business Day Onsite Extended Warranty for Desktops

HP SFF Chassis Tower Stand

HP USB PS2 Washable Keyboard and Mouse (BU207AT)

**Display Cables: Six (6) New DVI to DisplayPort – 10'**

**Six (6) New Samsung 8 Series S32D850T – LED monitor – 32"; Mfg.Part: S32D850T**

### 3. CONSTRUCTION

Equipment provided under this section shall become the property of Elkhart County and shall be delivered to the County Highway ***at or before the Pre-Construction conference.***

Ship new computers from factory to Elkhart County Highway, 610 Steury Ave,  
Goshen, IN 46528

### 4. PAYMENT

Items included in this item shall be paid for as Lump Sum under the pay item(s) noted below:

**Pay Item**

Inspection Equipment

**Pay Unit**

Lump Sum

Group	Sub-Group	Road	Length	Approx. Miles	Road Width	Sq. Yds.	UNIT QTY'S	UNIT	PRICE per UNIT	TOTAL
1	A	CR 108 (14739 CR 108 TO CR 33)	1635	0.31	22	3997				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					577	TON		
		Shoulders					121	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	B	CR 4 (CR 35 TO CR 39)	8126	1.54	22	19864				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					2888	TON		
		Shoulders					602	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	C	CR 131 (CR 108 TO CR 10)	2640	0.50	22	6453				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					932	TON		
		Shoulders					196	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	D	CR 10 (16582 CR 10 TO CR 27)	3645	0.69	22	8910				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1286	TON		
		Shoulders					270	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	E	CR 112 (CR 15 TO CR 27)	6595	1.25	22	16121				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					2327	TON		
		Shoulders					489	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	F	CR 14 (EAST OF CR 29 TO CR 31)	4700	0.89	22	11489				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1659	TON		
		Shoulders					348	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	G	CR 29 (CR 14 TO US 20)	5810	1.10	22	14202				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					2050	TON		
		Shoulders					430	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	H	CR 18 (CR 29 TO 16085 CR 18)	4700	0.89	22	11489				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1659	TON		
		Shoulders					348	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	I	CR 18 (CR 33 TO CR 35)	6060	1.15	22	14813				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					2139	TON		
		Shoulders					449	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	J	CR 33 (CR 20 TO CR 22)	1430	0.27	22	3496				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					505	TON		
		Shoulders					106	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	K	CR 26 (CR 31 TO CR 33)	5070	0.96	22	12393				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1789	TON		
		Shoulders					376	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	L	CR 33 (CR 28 TO SR 4)	5300	1.00	22	12956				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1870	TON		
		Shoulders					393	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										
1	M	CR 30 (CR 37 TO SR 13)	5301	1.00	22	12958				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1871	TON		
		Shoulders					393	TON		
		Mailbox Reset				1	EA			
<b>TOTAL FOR ITEM</b>										

		CR 21 (CR 8 TO 150 FEET NORTH OF CR 104)	4105	0.78	22	10034		
1	N	Prep Cost					1	LS
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1449	TON
		Shoulders					304	TON
		Mailbox Reset					1	EA
								<b>TOTAL FOR ITEM</b>
		CR 27 (CR 22 TO CR 24)	6965	1.32	22	17026		
1	O	Prep Cost					1	LS
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					2458	TON
		Shoulders					516	TON
		Mailbox Reset					1	EA
								<b>TOTAL FOR ITEM</b>
		CR 26 (CR 19 TO CR 21)	2650	0.50	22	6478		
1	P	Prep Cost					1	LS
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					935	LS
		Shoulders					196	EA
		Mailbox reset					1	EA
								<b>TOTAL FOR ITEM</b>
		CR 24 (CR 11 TO CR 13)	5280	1.00	22	12907		
1	Q	Prep Cost					1	LS
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1863	TON
		Shoulders					391	TON
		Mailbox Reset					1	EA
								<b>TOTAL FOR ITEM</b>
		CR 22/CR 111 (CR 11 TO CR 20)	4400	0.83	22	10756		
1	R	Prep Cost (Including Intersection Realignment)					1	LS
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1553	TON
		Shoulders					328	TON
		Relocate Street Sign					1	EA
		6" PCCP Concrete for Approach					33	SYS
		#53 Compacted Gravel for Sub-Base					116	TON
		Transition Joints (Mill)					2	EA
		Pavement Removal					300	SYS
		Top Soil (5"), Seed, Mulch					300	SYS
		Adjust and Replace Casting W/Beehive					1	EA
		Mailbox Reset					1	EA
								<b>TOTAL FOR ITEM</b>
		Jasmine Court	600	0.11	22	1467		
1	S	Prep Cost					1	LS
		220 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					169	TON
		Shoulders (Top Soil)					7	TON
								<b>TOTAL FOR ITEM</b>
		Azelea Court	600	0.11	22	1467		
1	T	Prep Cost					1	LS
		220 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					169	TON
		Shoulders (Top Soil)					7	TON
								<b>TOTAL FOR ITEM</b>
		Cr 7 Approach/Jail Perimeter Road	2500	0.47	25	6944		
1	U	Prep Cost Including Concrete/Asphalt Removal					1	LS
		220 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					802	TON
		Tack Coat					6944	SYS
		Shoulders (Topsoil)					7	TON
		12 Inch Reinforced PCCP Concrete Pavement Class A					100	SYS
		Monument Replacement					1	EA
		TP 38 - Inspection Equipment					1	LS
								<b>TOTAL FOR ITEM</b>
								<b>TOTAL FOR GROUP</b>

Group	Sub-Group	Road	Length	Approx. Miles	Road Width	Sq. Yds.	UNIT QTYs	UNIT	PRICE per UNIT	TOTAL
2	A	CR 37 (CR 34 TO CR 36)	5300	1.00	22	12956				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1870	TON		
		Shoulders					393	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	B	CR 34 (BLACKPORT TO CR 29)	6750	1.28	24	18000				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					2599	TON		
		Shoulders					500	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	C	CR 37 (CR 40 TO CR 42)	5440	1.03	22	13298				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1920	TON		
		Shoulders					403	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	D	CR 37 (CR 44 TO CR 146)	8810	1.67	22	21536				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					3109	TON		
		Shoulders					653	TON		
		Bridge #344 Deck Resurface				1	LS			
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	E	CR 56 (CR 29 TO CR 127)	6864	1.30	22	16779				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					2422	TON		
		Shoulders					508	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	F	SOUTH COUNTY LINE (CR 29 TO SR 13)	3000	0.57	22	7333				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1059	TON		
		Shoulders					222	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	G	CR 13 (CR 50 TO CR 48)	2775	0.53	22	6783				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					979	TON		
		Shoulders					206	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	H	CR 52 (CR 11 TO CR 9)	5280	1.00	22	12907				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1863	TON		
		Shoulders					391	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	I	CR 150 (CR 7 TO SR 19)	5280	1.00	22	12907				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1863	TON		
		Shoulders					391	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	J	CR 36 (SR 13 TO CR 43)	5391	1.02	22	13178				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1903	TON		
		Shoulders					399	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	K	CR 29 (CR 46 TO CR 25)	4100	0.78	22	10022				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1447	TON		
		Shoulders					304	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	L	CR 29 (CR 142 TO SR 15)	3750	0.71	22	9167				
		Prep Cost					1	LS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					1323	TON		
		Shoulders					278	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										
2	M	CR 111 (CR 36 TO CR 32)	7400	1.40	22	18089				
		Prep Cost					5333	SYS		
		275 lb./yd <sup>2</sup> HMA, Type B Surface 12.5 mm					2612	TON		
		Shoulders					548	TON		
		Mailbox Reset				1	EA			
<u>TOTAL FOR ITEM</u>										

		CR 1 (CR 36 TO CR 38)	5280	1.00	22	12907				
2	N	Prep Cost					1	LS		
		275 lb./yd2 HMA, Type B Surface 12.5 mm					1863	TON		
		Shoulders					391	TON		
		<b>Bridge #253 Deck Replacement</b>					1	LS		
		Mailbox Reset				1	EA			
		<b>TOTAL FOR ITEM</b>								
		CR 1 (CR 40 TO CR 44)	10200	1.93	22	24933				
2	O	Prep Cost					1	LS		
		275 lb./yd2 HMA, Type B Surface 12.5 mm					3600	TON		
		Shoulders					756	TON		
		Mailbox Reset					1	EA		
		<b>TOTAL FOR ITEM</b>								
		CR 142 (CR 15 TO CR 17)	5302	1.00	22	12960				
2	P	Prep Cost					1	LS		
		275 lb./yd2 HMA, Type B Surface 12.5 mm					1871	TON		
		Shoulders					393	TON		
		Mailbox Reset					1	LS		
		<b>TOTAL FOR ITEM</b>								
		CR 32 (CR 15 TO CR 17)	5612	1.06	22	13718				
2	Q	Prep Cost					1	LS		
		275 lb./yd2 HMA, Type B Surface 12.5 mm					1981	TON		
		Shoulders					416	TON		
		Mailbox Reset					1	EA		
		<b>TOTAL FOR ITEM</b>								
		PEREGRINE PERCH	915	0.173295	24	2440				
2	R	Prep Cost					1	LS		
		Tack Coat					2440	SYS		
		220 lb./yd2 HMA, Type B Surface 12.5 mm					282	TON		
		<b>TOTAL FOR ITEM</b>								
		STONEY LANE	1275	0.24	22	3117				
2	S	Prep Cost					1	LS		
		Tack coat					3117	SYS		
		220/lb2 HMA, Type B Surface 12.5 mm					360	TON		
		Shoulders (Topsoil)					10	TON		
		<b>TOTAL FOR ITEM</b>								
		CR 38 CURB								
2	T	Mobilization and Demobilization					1	LS		
		Combined Curb and Gutter Vertical					310	LFT		
		Compacted Aggregate, NO 53 for Base					51	TON		
		Compacted Aggregate, NO 53 for Shoulders					5	TON		
		Sawcut and Remove Asphalt Pavement					36	SYS		
		HMA Patching					10	TON		
		Sawcut and Remove Concrete drives, Remove Storm Structure & Storm Line					24	SYS		
		PCCP For Approaches, 6 IN					58	SYS		
		Erosion Control Blanket and Permanent Seeding, Type U					165	SYS		
		3" Topsoil with Permanent Seeding Type U, Mulched					260	SYS		
		Mailbox Assembly, Reset				3	EA			
		<b>TOTAL FOR ITEM</b>								
		INCIDENTIAL ITEMS								
		Monument Replacement					1	EA		
		<b>TOTAL FOR ITEM</b>								
		<b>TOTAL FOR GROUP</b>								
										\$0.00