

CONSTRUCTION COMMITTEE

AGENDA

July 27, 2020

4:00 PM

Zoom Virtual Meeting Room

Meeting ID: 399-700-0062 / Password: LCBOC

<https://zoom.us/j/3997000062?pwd=SUdLYVFFcmozWnFxbm0vcHRjWkVIZz09>

Pages

1. **CALL MEETING TO ORDER**
2. **APPROVAL OF MINUTES** 3
Minutes of meeting dated: June 15, 2020
3. **APPROVAL OF AGENDA**
4. **CALL TO THE PUBLIC**
5. **REPORTS**
- 5.1 **Central Dispatch Facility Update**
6. **ACTION ITEMS**
 - 6.1 **Rocket Enterprise, Inc. Invoice #155345** 7
Flagpole Delivery & Install: \$3,610.00
 - 6.2 **J.S. Vig Request fro Change Order #60R** 9
Add to install planter box drains: \$825.00
 - 6.3 **J.S. Vig Request for Change Order #61** 10
Testing Extra: \$625.00
 - 6.4 **J.S. Vig Request for Change Order #62** 16
Add to form and pour curb and gutter: \$280.00
 - 6.5 **J.S. Vig Request for Change Order #63** 18
Add for low voltage cabling: \$17,062

7. DISCUSSION

- | | | |
|------------|---------------------------------------|-----------|
| 7.1 | Identify Inc. Quote #2485-01 | 25 |
| | Call Center Pole Relocation: \$870.00 | |
| 7.2 | TTI Invoice #12624 | 27 |
| | CeService Main Gate: \$387.60 | |
| 7.3 | TTI Invoice #156347 | 29 |
| | Viking Intercom: \$775.00 | |

8. NEW BUSINESS

9. ADJOURNMENT

CONSTRUCTION COMMITTEE

MEETING MINUTES

June 15, 2020

3:30 PM

Zoom Virtual Meeting Room

Meeting ID: 399-700-0062 / Password: LCBOC

<https://zoom.us/j/3997000062?pwd=SUdLYVFFcmozWnFxbm0vcHRjWkVIZz09>

Members Present:

Robert Bezotte, Douglas Helzerman, Gary Childs

1. CALL MEETING TO ORDER

The meeting was called to order by Commissioner Bezotte at 3:47 p.m.

2. APPROVAL OF MINUTES

Minutes of meeting dated: March 18, 2020

Motion to approve the minutes as presented.

Moved By D. Helzerman

Seconded By R. Bezotte

Yes (3): R. Bezotte, D. Helzerman, and G. Childs

Motion Carried (3 to 0)

3. APPROVAL OF AGENDA

Motion to approve the Agenda as presented.

Moved By G. Childs

Seconded By D. Helzerman

Yes (3): R. Bezotte, D. Helzerman, and G. Childs

Motion Carried (3 to 0)

4. CALL TO THE PUBLIC

None.

5. REPORTS

5.a Central Dispatch

Chad Chewning reported:

- Window leak is still occurring. Ron agreed to look at the window.

- Status of the mural was discussed. The finalized painting digitized was sent last week. The mural will arrive in approximately 2 weeks and a clear coat will be applied prior to it being hung. Hanging the mural is about a 2 day process.
- Concerns regarding planters are being worked on by Boss Engineering.
- Boulders have been added to the generator area
- Bubble tint issue will be addressed
- Mechanical Engineering is working on water hammer. Believe it may be valves closing. During installation, water may have filled the valves. The plumber will be contacted to investigate this as well.

5.b J.S. Vig Updated Schedule

Central Dispatch Facility

Ron Dalpra reported:

- grading is finished around the planters,
- currently planting bushes, trees, and sod
- Asphalt is scheduled to begin Monday
- Building is being sealed
- Hand rails have been installed
- Arrangements will be made for temporary parking
- Discussed issue with the code for the gate

6. ACTION ITEMS

6.a Identify Inc. Quote #2485-01

Call Center Pole Relocation: \$870.00

Discussed location of camera on plans and original installation.

Motion to approve quote.

Moved By G. Childs

Seconded By D. Helzerman

Motion Tabled

Motion to postpone approval for Information Technology to investigate.

Moved By D. Helzerman

Seconded By G. Childs

Yes (3): R. Bezotte, D. Helzerman, and G. Childs

Motion Carried (3 to 0)

6.b J.S. Vig Request for Change Order #56

Central Dispatch Facility: New asphalt at front entry: \$14,252

Motion to approve change order.

Moved By G. Childs

Seconded By D. Helzerman

Yes (3): R. Bezotte, D. Helzerman, and G. Childs

Motion Carried (3 to 0)

6.c J.S. Vig Request for Change Order #58

Central Dispatch Facility: Add lighting for flag pole: \$3,532

Motion to approve RFCO.

Moved By D. Helzerman

Seconded By G. Childs

Yes (3): R. Bezotte, D. Helzerman, and G. Childs

Motion Carried (3 to 0)

6.d TTI Invoice #156347

Central Dispatch Facility: Viking Intercom: \$775.00

Motion to approve payment.

Moved By G. Childs

Seconded By D. Helzerman

Motion Tabled

Motion to postpone items 6.4 and 6.5 for further investigation.

Amendment:

Moved By D. Helzerman

Seconded By G. Childs

Yes (3): R. Bezotte, D. Helzerman, and G. Childs

Motion Carried (3 to 0)

6.e TTI Invoice #12624

Central Dispatch Facility: Service Main Gate: \$387.60

Motion to approve payment.

Motion Tabled

7. NEW BUSINESS

7.a Schedule next meeting

The next meeting is tentatively scheduled for July 20, 2020 at 3:30 p.m.

8. ADJOURNMENT

Motion to adjourn the meeting at 4:20 p.m.

Moved By G. Childs

Seconded By D. Helzerman

Yes (3): R. Bezotte, D. Helzerman, and G. Childs

Motion Carried (3 to 0)

Natalie Hunt, Recording Secretary

INVOICE NO. **155345**

INVOICE DATE: 07/09/2020

WORK ORDER NO: 58139

INQUIRY ID: 0

PO NUMBER: NEW DISPATCH

ROCKET ENTERPRISE INC.30660 RYAN ROAD • WARREN, MI. 48092
(586) 751-7600 • FAX (586) 751-7636**C**LIVINGSTON COUNTY CENTRAL DISPATCH
300 S. HIGHLANDER WAY
HOWELL, MI 48843

PHONE: (517) 546-9111

LIVINGSTON COUNTY CENTRAL DISPATCH
300 S. HIGHLANDER WAY
HOWELL, MI 48843ATTN: CHAD CHEWNING, DIRECTOR
PHONE: (517) 546-9111SERVICE PERIOD: N/A
DATE OF REQ: 6/25/2020
TERMS: NET 30SHIP DATE:
TAX STATUS:CUSTOMER NO: 27412
FLAG SERVICE: 0

QTY	DESCRIPTION	TAX CODE	EACH	EXTENSION
1	RA30' FLAGPOLE - CLEAR ANODIZED	NT	\$1,700.00	\$1,700.00
1	INT. STAINLESS STEEL CABLE & WINCH SYSTEM - RA30	NT	\$975.00	\$975.00
1	DELIVERY & COMPLETE INSTALLATION OF RA30	NT	\$875.00	\$875.00
1	5 X 8 USA NYLON FLAG	NT	\$60.00	\$60.00

*** WE ACCEPT ALL MAJOR CREDIT CARDS *****PLEASE SEE REVERSE SIDE FOR CONDITIONS OF
SALE, WARRANTY AND FLAG SERVICE
INFORMATION TO BE UNDERSTOOD AS PART OF
THIS SALE.**

SUB TOTAL	\$3,610.00
TAX	\$0.00
TOTAL	\$3,610.00

**THANK YOU, WE ARE PROUD TO BE A PART OF YOUR
PATRIOTIC FLAG FLYING TRADITION!**

Customer Copy

www.rocketenterprise.com

Please See Reverse For Warranty Information

GENERAL WARRANTY AND WAIVER OF LIABILITY

1. DUE TO VARYING WEATHER CONDITIONS IT IS IMPOSSIBLE TO OFFER A WARRANTY ON FLAGS THAT ARE PURCHASED.
2. FLAGPOLE COMPONENTS AND ACCESSORIES HAVE A 1 YEAR WARRANTY FROM THE DATE OF SALE. THESE PARTS INCLUDE: HALYARD ROPE OR CABLE, FLAG CLIPS, GOLD BALL TOP & PULLEY. IF DAMAGE OCCURS FROM NORMAL USE THESE PARTS WILL BE SUPPLIED AT NO CHARGE.
3. FLAGPOLE FOUNDATIONS INSTALLED BY ROCKET ENTERPRISE, INC. HAVE A 2 YEAR WARRANTY FROM DATE OF INSTALLATION. IF FLAGPOLE FOUNDATION WERE TO HEAVE DUE TO IMPROPER INSTALLATION, THE FLAGPOLE WOULD BE COMPLETELY RESET AT NO CHARGE.
NOTE: INSTALLATIONS IN HIGH WATER TABLE AREAS ARE EXEMPT FROM THE WARRANTY.
4. BUYER ACCEPTS ALL RESPONSIBILITY FOR THE LOCATION OF THE FLAGPOLE IF INSTALLED BY SELLER. ANY PERSONAL OR PROPERTY DAMAGE DUE TO IMPROPER LOCATION OF FLAGPOLE IS SOLELY THE RESPONSIBILITY OF THE PURCHASER. (E.G. UNDERGROUND UTILITIES, SEPTIC FIELDS, SEWER LINES, CABLE TV, SPRINKLER LINES).
NOTE: OUR SERVICE TRUCKS CARRY SPRINKLER LINE REPAIR KITS AND MOST CAN BE REPAIRED IN A FEW MINUTES AT VERY LITTLE COST OR NO COST.
5. EXTREME CAUTION AND COMMON SENSE SHOULD BE USED IN THE PLACEMENT OF FLAGPOLES. FLAGS AND FLAGPOLES SHOULD BE A SAFE DISTANCE FROM ANY OVERHEAD POWER LINES. A SAFE DISTANCE WOULD BE 10' FROM THE FLY END OF THE FLAG. FLAGPOLE PLACEMENT AND FLAG SIZE ARE THE SOLE RESPONSIBILITY OF THE PURCHASER. IT IS TO BE UNDERSTOOD THAT ROCKET ENTERPRISE INC. ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY PERSONAL OR PROPERTY DAMAGE DUE TO IMPROPER PLACEMENT OF FLAGPOLE OR CUSTOMERS CHOICE OF FLAG QUANTITY OR SIZE OF FLAGS FLOWN.
SPECIAL NOTE: EXTREME CAUTION AND CONSIDERATION SHOULD BE USED WHEN FLYING MULTIPLE FLAGS OR OVERSIZED FLAGS THAT ARE LARGER THAN THE RECOMMENDED SIZE FOR A PARTICULAR FLAGPOLE. THESE FLAG(S) SHOULD BE REMOVED IF WINDS ARE EXPECTED TO EXCEED 50 MPH, AS POLE FAILURE COULD OCCUR RESULTING IN PERSONAL OR PROPERTY DAMAGE.
6. NO WARRANTY ON FLAGPOLE SHAFTS WILL BE HONORED IF DAMAGED BY LIGHTING STRIKE OR ELECTROLYSIS CORROSION WHICH CAN BE CAUSED BY A LOW ELECTRICAL CURRENT IN THE GROUND DUE TO AN IMPROPER GROUNDING OF UNDERGROUND ELECTRICAL WIRING OR FROM CHEMICALS OR ACIDS IN THE GROUND WATER.

FLAG MAINTENANCE SERVICE AGREEMENT

- FLAGS ARE CHANGED ON A REGULAR PRE-SCHEDULED BASIS.
- IF FLAG IS DAMAGED IN A STORM OR AT ANY TIME DOES NOT MEET YOUR STANDARDS, PLEASE CALL FOR A REPLACEMENT AT NO ADDITIONAL CHARGE.
- HALYARD ROPES AND CLIPS ARE SUPPLIED AT NO CHARGE.
- DISCOUNTED SERVICE FEES TO REPAIR FLAGPOLE IF NECESSARY.
- YOU ALWAYS HAVE A FLAG THAT LOOKS GREAT AS THE COUNTRY AND PEOPLE IT SYMBOLIZES AND REFLECTS THOSE WHO FLY IT.
- ONE ECONOMICAL ANNUAL FEE WHICH INCLUDES THE FLAGS.

SPECIAL NOTE:

THIS FLAG SERVICE DOES NOT INCLUDE THE LOWERING OF THE FLAG(S) TO HALF STAFF IN RESPONSE TO A PERSONAL OR PUBLIC TRAGEDY. DUE TO LOGISTICS AND DEMAND, IT IS NOT POSSIBLE FOR US TO ACCOMMODATE THESE REQUESTS.

PRIOR TO AN EMERGENCY, PLEASE MAKE SURE YOU HAVE ACCESS TO YOUR FLAG AND FLAGPOLE. IF YOUR FLAGPOLE HAS A RAISED CLEAT, WE CAN INSTALL OUR PATENTED FLAG LOCKING SYSTEM WHICH ALLOWS EASY USE OF THE FLAGPOLE FROM GROUND LEVEL.

IF YOUR FLAGPOLE HAS A LOCK AND YOU HAVE LOST OR MISPLACED THE KEY, PLEASE CONTACT OUR OFFICE AND WE CAN MAKE A COPY OF THE KEY OR CHANGE THE LOCK ON YOUR FLAGPOLE.

REQUEST FOR CHANGE ORDER



RFCO Number	60 Revised 06.29.20	Description & Reason for Scope Change: Add to install (12) pvc drains and (8) stone drains in the planter boxes			
Date:	June 26, 2020				
Project Name:	Livingston County 911 - Dispatch center				
JS Vig Project #:	1673				
Owner Project #:					
To: Brad Alvord - Lindhout Associates					
Subcontractors Scope Change					
CSI Code	CSI Description	Contractor	Quantity	Unit Cost	Cost
32 00 00	Provide labor, materials and equipment to install (12) pvc piped drains in the planter boxes	Worldclass Landscaping	1	\$650.00	\$ 650.00
32 00 00	Provide labor, materials and equipment to install (8) stoned drains in the planter boxes	Worldclass Landscaping	1	\$175.00	\$ 175.00
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
Subtotal					\$ 825.00
General Contractors Scope Change					
CSI Code	CSI Description	Quantity	Unit Cost	Total Cost	
1-010	Project Management			\$ -	
1-020	Superintendent			\$ -	
1-024	Builder's Risk			\$ -	
1-025	Insurance	1.10%		\$ -	
1-030	Laborers			\$ -	
1-070	Clean Up			\$ -	
1-125	Bond			\$ -	
				\$ -	
				\$ -	
Subtotal				\$ 825	
Allowable Fee				Waived	
Subcontractor + General Contractor Total				\$ 825	
				Total Proposed Time Increase: N/A	

CONTRACTOR <i>Rangalli</i> 06/29/20 J.S. Vig Construction Company	DATE	ARCHITECT <i>[Signature]</i> 7-1-20 DATE	DATE	OWNER DATE
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Attach detailed description and subcontractor bids

REQUEST FOR CHANGE ORDER



RFCO Number <u>61</u> Date: <u>July 15, 2020</u> Project Name: <u>Livingston County 911 - Dispatch center</u> JS Vig Project #: <u>1673</u> Owner Project #: _____ To: <div style="text-align: center; padding: 5px;">Brad Alvord - Lindhout Associates</div>	Description & Reason for Scope Change: Add for quality control observation and testing service 07/02/20
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Subcontractors Scope Change					
CSI Code	CSI Description	Contractor	Quantity	Unit Cost	Cost
	Quality control observation and testing service 07/02/20	G2	1	\$625.00	\$ 625.00
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
Subtotal					\$ 625.00

General Contractors Scope Change					
CSI Code	CSI Description	Quantity	Unit Cost	Total Cost	
1-010	Project Management			\$	-
1-020	Superintendent			\$	-
1-024	Builder's Risk				
1-025	Insurance	1.10%			
1-030	Laborers			\$	-
1-070	Clean Up			\$	-
1-125	Bond			\$	-
				\$	-
				\$	-
Subtotal					\$ 625
Allowable Fee			4.50%	Waived	
Subcontractor + General Contractor Total					\$ 625
Total Proposed Time Increase:					N/A

Rampelli 07/15/20.

CONTRACTOR
J.S. Vig Construction Company

P. M. A. 7-20-20

ARCHITECT

OWNER

DATE

DATE

DATE

Attach detailed description and subcontractor bids

G2 Consulting Group, LLC
1866 Woodslee Street
Troy, MI 48083

Voice: 248.680.0400
Fax: 248.680.9745

INVOICE

Invoice Number: 201362
 Invoice Date: July 14, 2020
 Page Number: 1

Bill To:

JS Vig Construction Company
 15040 Cleat Street
 Plymouth, MI 48170

Customer ID	Purchase Order No.	G2 Project No.	
JSV001		183323	
Payment Terms	Due Date	Ship Date	Shipping Method
Net 30 Days	August 13, 2020		

Quantity	Description	Unit Price	Amount
1.00	Field Engineer, Full Day, each	600.00	600.00
1.00	Field Engineer, Overtime, per hour	85.00	85.00
	Livingston County 911 Central Dispatch, Howell, Michigan - Quality Control Observation and Testing Services 7/2/20		
	Client Contact: Rathan Sangolli Attn: Elaine Kennedy		

Total Invoice Amount \$ 685.00

If you have any questions concerning this invoice, call Mark W. Smolinski, (248) 680-0400. Client agrees to pay a finance charge of 1.5 percent per month on accounts past due 30 days from invoice date.

Make all checks payable to: G2 Consulting Group, LLC.

Project Name: Livingston County 911 Central Dispatch
Location: 300 S. Highlander Way, Howell, MI 48843
Client: J.S. Vig Construction
Client Rep: Ronald
Contractor: Nagle Paving
Contractor Rep: Sergio

G2 Project No.: 183323
Date: July 2, 2020
Weather: 72-90°, sunny
Page: 1 of 1

Progress of Work:

A visit was made to the above-mentioned job site to observe and document the contractor's construction operations and perform field tests. Upon arrival at 7:45 am, G2 observed Nagle Paving preparing to place the proposed 1-1/2 inches of 5E1 HMA for the wearing course. Please see the attached site plans for today's work location. Placement operations began at 8:00 am on the northeast side of the west parking lot for the Livingston County 911 Dispatch Center. A tack coat was applied prior to placement of the wearing course.

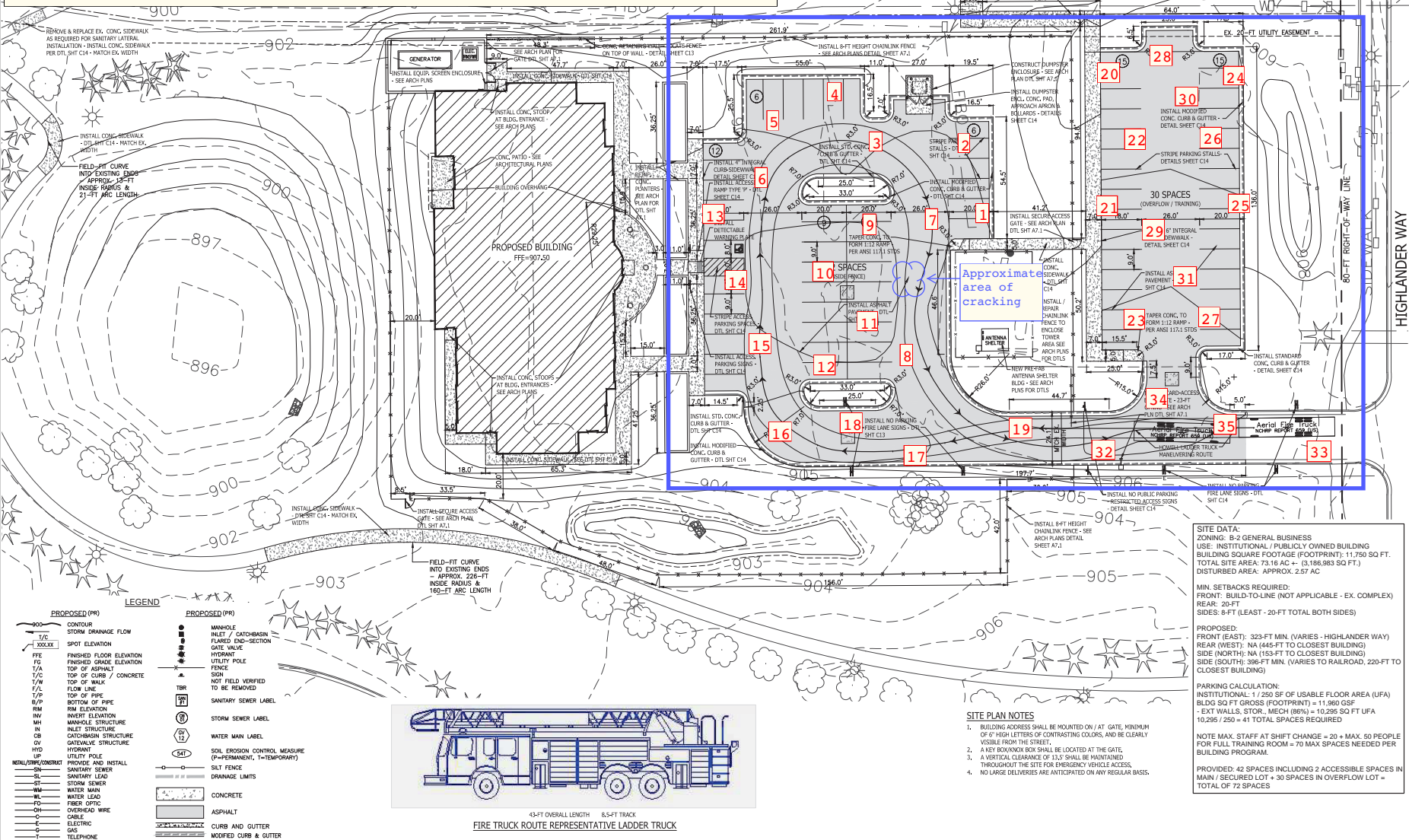
Nagle utilized a Cat AP555E paver equipped with a Carlson EZ screed, a Cat CB34B as the breakdown roller, and a Cat CB24B as the finishing roller. During placement operations, G2 performed in-place density testing. A total of approximately 293.6 tons of 5E1 was placed on site.

In-place density testing was performed at select locations using an Instron nuclear moisture/density gauge. Field test results indicate the wearing course is compact from 92.0 percent to 97.8 percent of the TMD value of 153.2 pcf as provided to G2 by the contractor representative. The temperatures of the supplied material ranged from 257°F to 291°F during today's operations. Any failing test areas were recompact by the contractor until passing test results were achieved. In addition, G2 observed cracking in one area of the wearing course and informed the contractor representative. The 5E1 material was supplied the Nagle Paving Company - Livonia plant. Please refer to the attached Bituminous Field Density Test Report for complete test results, locations, and related information.

G2 informed the contractor representative of the field test results and subsequently departed the site at 3:15 pm.

07/02/2020
G2 Project Number: 183323
G2 Project Name: Proposed Livingston County 911 Dispatch Center

The blue box indicates the area of bit density testing performed on the 5E1 wearing course. The red numbers indicate the approximate location of the specific density tests performed. Please refer to the Field Density Test Report for further details and test results.



REBOSS Engineering
Engineers Surveyors Planners Landscape Architects
3121 E. GRAND RIVER AVE.
HOWELL, MI 48843
800.246.6735 FAX 517.546.1670

LIVINGSTON COUNTY 911 DISPATCH CENTER
LNDRBT ASSOCIATES ARCHITECTS, AIA, PC

SITE PLAN

DESIGNED BY: PC
DRAWN BY: PC
CHECKED BY: PC
SCALE: 1" = 20'
JOB NO.: 17-413
DATE: 3-21-18
SHEET NO.: C5

Project No: 183323
Date: July 2, 2020

Project Name: Livingston County 911 Central Dispatch
Location: Howell, MI
Contractor: Nagle Paving

Field Density Test Report

Test No.	Test Elevation	Probe Depth	Mat Thickness Inches	Density Count	Wet Density PCF	Maximum Density PCF	Percent Compaction	Location of Density Tests	Remarks
1	Wearing Course	BS	1.5"	452.0	141.3	153.2	92.2	See Site Plan	
2	Wearing Course	BS	1.5"	443.0	142.7	153.2	93.1	See Site Plan	
3	Wearing Course	BS	1.5"	436.0	143.8	153.2	93.9	See Site Plan	
4	Wearing Course	BS	1.5"	454.0	141.0	153.2	92.0	See Site Plan	
5	Wearing Course	BS	1.5"	423.0	146.0	153.2	95.3	See Site Plan	
6	Wearing Course	BS	1.5"	417.0	147.1	153.2	96.0	See Site Plan	
7	Wearing Course	BS	1.5"	419.0	146.7	153.2	95.8	See Site Plan	
8	Wearing Course	BS	1.5"	407.0	148.9	153.2	97.2	See Site Plan	
9	Wearing Course	BS	1.5"	420.0	146.5	153.2	95.6	See Site Plan	
10	Wearing Course	BS	1.5"	444.0	142.6	153.2	93.1	See Site Plan	
11	Wearing Course	BS	1.5"	420.0	146.5	153.2	95.6	See Site Plan	
12	Wearing Course	BS	1.5"	437.0	143.7	153.2	93.8	See Site Plan	
13	Wearing Course	BS	1.5"	409.0	148.5	153.2	96.9	See Site Plan	
14	Wearing Course	BS	1.5"	419.0	146.8	153.2	95.8	See Site Plan	
15	Wearing Course	BS	1.5"	430.0	144.8	153.2	94.5	See Site Plan	
16	Wearing Course	BS	1.5"	402.0	149.8	153.2	97.8	See Site Plan	
17	Wearing Course	BS	1.5"	411.0	148.2	153.2	96.7	See Site Plan	
18	Wearing Course	BS	1.5"	417.0	147.1	153.2	96.0	See Site Plan	
19	Wearing Course	BS	1.5"	428.0	145.1	153.2	94.7	See Site Plan	
20	Wearing Course	BS	1.5"	402.0	149.7	153.2	97.7	See Site Plan	
21	Wearing Course	BS	1.5"	418.0	146.9	153.2	95.9	See Site Plan	
22	Wearing Course	BS	1.5"	411.0	148.1	153.2	96.7	See Site Plan	
23	Wearing Course	BS	1.5"	416.0	147.2	153.2	96.1	See Site Plan	
24	Wearing Course	BS	1.5"	403.0	149.6	153.2	97.7	See Site Plan	
25	Wearing Course	BS	1.5"	411.0	148.1	153.2	96.7	See Site Plan	
26	Wearing Course	BS	1.5"	430.0	144.9	153.2	94.6	See Site Plan	

Troxler Nuclear Gauge Information

Gauge No: 22055 Calibration Date: 12-03-2019

Chart Standards

Density: 1854-1891

Moisture: 576-600

Operating Standards:

Density: 1879

Moisture: 577

Project No: 183323
Date: July 2, 2020

Project Name: Livingston County 911 Central Dispatch
Location: Howell, MI
Contractor: Nagle Paving

Field Density Test Report (Continued)

Test No.	Test Elevation	Probe Depth	Mat Thickness Inches	Density Count	Wet Density PCF	Maximum Density PCF	Percent Compaction	Location of Density Tests	Remarks
27	Wearing Course	BS	1.5"	416.0	147.3	153.2	96.1	See Site Plan	
28	Wearing Course	BS	1.5"	403.0	149.6	153.2	97.7	See Site Plan	
29	Wearing Course	BS	1.5"	401.0	149.9	153.2	97.8	See Site Plan	
30	Wearing Course	BS	1.5"	398.0	150.5	153.2	98.2	See Site Plan	
31	Wearing Course	BS	1.5"	409.0	148.4	153.2	96.9	See Site Plan	
32	Wearing Course	BS	1.5"	419.0	146.7	153.2	95.8	See Site Plan	
33	Wearing Course	BS	1.5"	410.0	148.3	153.2	96.8	See Site Plan	
34	Wearing Course	BS	1.5"	416.0	147.3	153.2	96.1	See Site Plan	
35	Wearing Course	BS	1.5"	419.0	146.8	153.2	95.8	See Site Plan	

Material: 5E1 Maximum Density: 153.2 PCF Optimum Moisture %: Minimum Specified Comp: 92 %

Time: 08:00AM	Temperature: 257 °F
Time: 09:00AM	Temperature: 264 °F
Time: 10:00AM	Temperature: 291 °F
Time: 11:00AM	Temperature: 267 °F
Time: 12:00PM	Temperature: 270 °F
Time: 01:00PM	Temperature: 285 °F
Time: 02:00PM	Temperature: 282 °F

REQUEST FOR CHANGE ORDER



RFCO Number <u>62</u> Date: <u>July 15, 2020</u> Project Name: <u>Livingston County 911 - Dispatch center</u> JS Vig Project #: <u>1673</u> Owner Project #: _____ To: <div style="text-align: center; padding: 5px;">Brad Alvord - Lindhout Associates</div>	<div style="border: 1px solid black; padding: 5px;"> Description & Reason for Scope Change: Add to repair the catch basin </div>				
Subcontractors Scope Change					
CSI Code	CSI Description	Contractor	Quantity	Unit Cost	Cost
32 00 00	Provide labor, materials and equipment to form and pour 8 LF of concrete curb and gutter	Nagle Paving	1	\$280.00	\$ 280.00
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
Subtotal					\$ 280.00
General Contractors Scope Change					
CSI Code	CSI Description		Quantity	Unit Cost	Total Cost
1-010	Project Management				\$ -
1-020	Superintendent				\$ -
1-024	Builder's Risk				
1-025	Insurance		1.10%		
1-030	Laborers				\$ -
1-070	Clean Up				\$ -
1-125	Bond				\$ -
					\$ -
					\$ -
Subtotal					\$ 280
Allowable Fee			4.50%		Waived
Subcontractor + General Contractor Total					\$ 280
Total Proposed Time Increase:					N/A

 CONTRACTOR J.S. Vig Construction Company	DATE 07/15/20	 ARCHITECT 7-20-20	DATE 7-20-20	OWNER 	DATE
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Attach detailed description and subcontractor bids

ISO 9002 CERTIFIED

Attn: Val Vig
Attn: Rathan Sangolli

Date 7/13/2020
Phone 734-283-3002
Fax 734-282-5320
Email valvig@jsvig.com
rsangolli@jsvig.com
Job Livingston County 911

1. Form and pour 8 LF of concrete curb and gutter, from the county repairing the catch basin	
	\$280.00
Total Request for Change Order - ADD	\$280.00

Everything concerning this contract is incorporated herein and that nothing verbal shall be construed as part hereof. This contract will not be binding upon our company until checked by our engineer and countersigned by an officer. This proposal remains firm for 30 days.

Agenda Page 17 of 29

REQUEST FOR CHANGE ORDER



RFCO Number <u>63</u> Date: <u>July 17, 2020</u> Project Name: <u>Livingston County 911 - Dispatch center</u> JS Vig Project #: <u>1673</u> Owner Project #: _____ To: <div style="text-align: center; border: 1px solid black; padding: 5px; margin-top: 10px;"> Brad Alvord - Lindhout Associates </div>	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Description & Reason for Scope Change: Add to install low voltage cabling </div>				
Subcontractors Scope Change					
CSI Code	CSI Description	Contractor	Quantity	Unit Cost	Cost
26 00 00	Provide labor and materials to install low voltage cables - see attached backup	Crampton	1	\$17,062.00	\$ 17,062.00
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
Subtotal					\$ 17,062.00
General Contractors Scope Change					
CSI Code	CSI Description		Quantity	Unit Cost	Total Cost
1-010	Project Management				\$ -
1-020	Superintendent				\$ -
1-024	Builder's Risk				
1-025	Insurance		1.10%		
1-030	Laborers				\$ -
1-070	Clean Up				\$ -
1-125	Bond				\$ -
					\$ -
					\$ -
Subtotal					\$ 17,062
Allowable Fee			4.50%		Waived
Subcontractor + General Contractor Total					\$ 17,062
Total Proposed Time Increase:					N/A

<i>R. Angeli</i> 07/17/20.	DATE	<i>B. M. A.</i> 7-20-20	DATE	OWNER	DATE
CONTRACTOR J.S. Vig Construction Company					
ARCHITECT					

Attach detailed description and subcontractor bids

AMcomm Telecommunications Inc.
12482 Emerson Dr.
Brighton, MI 48116
Office 248-698-8868 Fax # 248-698-8869

Invoice

Print Date	Invoice #
1/9/2020	424890



Bill To

CRAMPTON ELECTRIC CO INC
10975 W GRAND RIVER AVE
FOWLERVILLE, MI 48836
ATTN: ACCOUNTS PAYABLE

Comments / Work Location

LIVINGSTON CO 911 CENTER

P.O. No.	Terms	Due Date	Inv. Sent By
115041-DC	Net 30	2-8-2020	Email

1	40 % COMPLETION MATERIALS PROVIDED PER PO DATED 1/18/19	8,350.00	Voice & Data	8,350.00
1	PROPOSAL REQUEST #5	17,062.00	Voice & Data	17,062.00
1	3 TV ADDS	570.00	Voice & Data	570.00
1	MISC ADDS & BASKET TRAY	3,925.00	Voice & Data	3,925.00
<p>P) 2/3/20 C) 16579 \$12,845-</p>				

Thank You for your business, if you have questions about this invoice please call John Ramonatis

Total Billed This Invoice	\$29,907.00
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Please note our new address! 12482 Emerson Dr. Brighton, MI 48116

LIVINGSTON COUNTY 911 - 300 SOUTH HIGHLANDER WAY**#Project #1673 – Livingston County 911 Central Dispatch****Proposal Request #5— Request for Quotation****Amcomm Telecommunications Inc.****02/19/2019**

NOTES	DESCRIPTION	MFG	PART NUMBER	QTY
Quote 1	PROPOSAL REQUEST NO. 05 - Revisions Dated 05/06/2019	From 05/06/2019		
	Additional Cabling Runs Requested - Per Krampton Electric			
1	E1.3 CR CSC 112115 CR to Rm.129 180 20 18 218	CR control cable		1
2	E1.3 CR CSC 112115 CR to Rm.129 180 20 18 218	CR control cable		1
3	E1.3 CR CSC 112115 CR to Rm.129 150 20 15 185	CR control cable		1
4	E1.3 CR CSC 112115 CR to Rm.129 150 20 15 185	CR control cable		1
5	E1.3 CR CSC 112115 CR to Rm.129 150 20 15 185	CR control cable		1
6	E1.3 CR CSC 112115 CR to Rm.129 150 20 15 185	CR control cable		1
7	E1.3 CR CSC 112115 CR to Rm.129 90 20 9 119	CR control cable		1
8	E1.3 CR CSC 112115 CR to Rm.129 60 20 6 86	CR control cable		1
9	E1.3 CR CSC 112115 CR to Rm.129 60 20 6 86	CR control cable		1
10	E1.3 CR CSC 112115 CR to Rm.129 60 20 6 86	CR control cable		1
11	E1.3 CR CSC 112115 CR to Rm.129 60 20 6 86	CR control cable		1
12	E1.3 KN7 - DC Int 18awg, 4c Door Loc to Rm.129 180 20 18 218	Int 18awg, 4c		1
13	E1.3 KN7 - DC 22awg, 2c Door Loc to Rm.129 180 20 18 218	22awg, 2c		1
14	E1.3 KN7 - DC 22awg, 2c Door Loc to Rm.129 160 20 16 196	22awg, 2c		1
15	E1.3 KN9 22awg, 2c Door Release to Rm.129 180 20 18 218	22awg, 2c		1
16	E1.3 KN9 22awg, 2c Door Release to Rm.129 180 20 18 218	22awg, 2c		1
17	E1.3 KN9 22awg, 2c Door Release to Rm.129 180 20 18 218	22awg, 2c		1
18	E1.3 KN9 22awg, 2c Door Release to Rm.129 180 20 18 218	22awg, 2c		1
19	E1.3 KN9 22awg, 2c Door Release to Rm.129 160 20 16 196	22awg, 2c		1
20	E1.3 KN9 22awg, 2c Door Release to Rm.129 160 20 16 196	22awg, 2c		1
21	E1.3 KN9 22awg, 2c Door Release to Rm.129 160 20 16 196	22awg, 2c		1
22	E1.3 KN9 22awg, 2c Door Release to Rm.129 160 20 16 196	22awg, 2c		1
23	E1.3 KN13 22awg, 2c V Gate Rel to Rm.129 180 20 18 218	22awg, 2c		1
24	E1.3 KN13 22awg, 2c V Gate Rel to Rm.129 160 20 16 196	22awg, 2c		1
25	E1.3 KN15 22awg, 2c Ped Gate Rel to Rm.129 180 20 18 218	22awg, 2c		1
26	E1.3 KN15 22awg, 2c Ped Gate Rel to Rm.129 160 20 16 196	22awg, 2c		1
27	ES.1 KN21 Ext 18awg, 4c Maglock to Rm.129 360 20 36 416	Ext 18awg, 4c		1
28	ES.1 KN3 Ext 18awg, 4c Gate to Rm.129 450 20 45 515	Ext 18awg, 4c		1
29	ES.1 KN3 Ext 18awg, 4c Gate to Rm.129 450 20 45 515	Ext 18awg, 4c		1
30	ES.1 CR Ext CR control cable CR to Rm.129 360 20 36 416	Ext CR control cable		1
31	ES.1 CR Ext CR control cable CR to Rm.129 450 20 45 515	Ext CR control cable		1
32	ES.1 IR Ext Cat6 IR to Rm.129 360 20 36 416	Ext Cat6		1
33	ES.1 IR Ext Cat6 IR to Rm.129 450 20 45 515	Ext Cat6		1
34	ES.1 Cam Ext Cat6 Ext Cam to Rm.129 360 20 36 416	Ext Cat6		1
35	ES.1 Cam Ext Cat6 Ext Cam to Rm.129 400 20 40 460	Ext Cat6		1
36	ES.1 Cam Ext Cat6 Ext Cam to Rm.129 450 20 45 515	Ext Cat6		1
	CR control cable			
	CR control cable - 10 conductor - per ft	CSC 112115-04-1rl		2000
	*** Run cable from door card reader to security panel in room 129			
	*** Coil neatly at both locations, hookups by others			

LIVINGSTON COUNTY 911 - 300 SOUTH HIGHLANDER WAY**#Project #1673 – Livingston County 911 Central Dispatch****Proposal Request #5— Request for Quotation****Amcomm Telecommunications Inc.****02/19/2019**

NOTES	DESCRIPTION	MFG	PART NUMBER	QTY
	Wall Penetrations / Misc Cable Routing - as needed			4
	J Hooks / Pathways			100
	Misc Comm Room Routing			1
	Int 18awg, 4c			
	Int 18awg, 4c cable - per ft	plenum		500
	*** Run cable from door location to security panel in room 129			
	*** Coil neatly at both locations, hookups by others			
	Wall Penetrations / Misc Cable Routing - as needed			0
	J Hooks / Pathways			10
	Misc Comm Room Routing			1
	22awg, 2c			
	Int 22awg, 2c cable - per ft	plenum		3000
	*** Run cable from door release locations to security panel in room 129			
	*** Coil neatly at both locations, hookups by others			
	Wall Penetrations / Misc Cable Routing - as needed			6
	J Hooks / Pathways			120
	Misc Comm Room Routing			1
	Ext 18awg, 4c			
	Exterior 18awg, 4c cable - per ft			2000
	*** Run cable from exterior security locations to security panel in room 129			
	*** Coil neatly at both locations, hookups by others			
	Wall Penetrations / Misc Cable Routing - as needed			0
	J Hooks / Pathways			0
	Misc Comm Room Routing			1
	Ext CR control cable			
	Exterior CR control cable - 10 conductor - per ft			1000
	*** Run cable from exterior card reader to security panel in room 129			
	*** Coil neatly at both locations, hookups by others			
	Wall Penetrations / Misc Cable Routing - as needed			0
	J Hooks / Pathways			0
	Misc Comm Room Routing			1

LIVINGSTON COUNTY 911 - 300 SOUTH HIGHLANDER WAY				
#Project #1673 – Livingston County 911 Central Dispatch				
Proposal Request #5— Request for Quotation				
Amcomm Telecommunications Inc.			02/19/2019	
NOTES	DESCRIPTION	MFG	PART NUMBER	QTY
	Ext Cat6			
	*** (2) IR's and (3) Cams - (5) Total Data Runs			
	*** Amcomm Telecommunications does not guaranty proper data bandwidth on any cable ran over 300 feet			
Ext Cat6	Exterior Cat6 data cabling - per ft	General / Mohawk / Hitachi		3000
	Cat6 Jacks	Hubbell / Panduit		5
	Misc Faceplates	Hubbell / Panduit		5
	Patch Panel - 24 port Modular	Hubbell / Panduit		0
	Patch Panel Strain Relief Bar	Hubbell / Panduit		0
	Cat6 Jacks - For Mod Patch Panels	Hubbell / Panduit		5
	Patch Cables - comm room side- 1ft			5
	Patch Cables - station side- 3ft			5
	Testing / Documentation			5
	Wall Penetrations / Misc Cable Routing - as needed			0
	J Hooks / Pathways			20
	Misc Comm Room Routing			1
	Misc			
	Project Coordination			1
	Shipping			1
	Mobilization / Engineering / As Builts			1
	Credit from Base Bid			
	*** These (4) cabling drops were are included above			
Ext Cat6	Exterior Rated Cat6 Cabling Drops			-4
	*** for (2) IR's at gates and (2) CR's at gates			
Cat6	Cat6 Cabling Drops to Card Readers			-11
	(11) Interior Card Readers			
	Patch Cables - comm room side- 1ft			-15
	Patch Cables - station side- 3ft			-15
	PROPOSAL REQUEST NO. 05 - Revisions Dated 05/06/2019 Total Add:		\$18,412.00	

LIVINGSTON COUNTY 911 - 300 SOUTH HIGHLANDER WAY				
#Project #1673 – Livingston County 911 Central Dispatch				
Proposal Request #5— Request for Quotation				
Amcomm Telecommunications Inc.			02/19/2019	
NOTES	DESCRIPTION	MFG	PART NUMBER	QTY
Quote 2	Fiber Run to radio shack			
	Optional Cabling Runs Requested by Owner			
	*** Option to run a 12 ct SM fiber cable to the small antenna shelter			
	*** Install a small wall mount data rack (basic 12U rack frame)			
	Ext 12 ct SM Fiber			
SM Fiber	12 str SM exterior rated fiber - per ft			500
	Rod and rope existing underground pathway - per ft			500
	Fiber patch panels - Rack Mount			1
	Adapter panels - 12 fibers each			2
	Splice Trays			2
	SC Pigtaills			24
	Fusion Splice Pigtaills			24
	Fiber Test			12
	J Hooks / Pathways			10
	Misc Pene's w/ Firestop			0
	Labels			1
	MDF/IDF Wallfield Support/Cables Ties/Velcro			2
	Fiber Run to radio shack Total Add:		\$3,775.00	

LIVINGSTON COUNTY 911 - 300 SOUTH HIGHLANDER WAY				
#Project #1673 – Livingston County 911 Central Dispatch				
Proposal Request #5— Request for Quotation				
Amcomm Telecommunications Inc.			02/19/2019	
NOTES	DESCRIPTION	MFG	PART NUMBER	QTY
Quote 3	Deduct pricing for Quote 01 if Quote 02 is accepted.			
	*** Change the (5) exterior data runs to run in the antenna shelter in place of room 129			
	*** In this senario, the data runs will be under 300 feet long			
	*** Pricing assumes underground pathways are provided and installed by others			
	Ext Cat6 - Credit from PR05 Revisions Dated 05/06/2019			
	*** Deduct these (5) cables running to room 129			
	*** (2) IR's and (3) Cams - (5) Total Data Runs			
	*** Amcomm Telecommunications does not guaranty proper data bandwidth on any cable ran over 300 feet			
Ext Cat6	Exterior Cat6 data cabling - per ft	General / Mohawk / Hitachi		-3000
	Cat6 Jacks	Hubbell / Panduit		-5
	Misc Faceplates	Hubbell / Panduit		-5
	Patch Panel - 24 port Modular	Hubbell / Panduit		0
	Patch Panel Strain Relief Bar	Hubbell / Panduit		0
	Cat6 Jacks - For Mod Patch Panels	Hubbell / Panduit		-5
	Patch Cables - comm room side- 1ft			-5
	Patch Cables - station side- 3ft			-5
	Testing / Documentation			-5
	Wall Penetrations / Misc Cable Routing - as needed			0
	J Hooks / Pathways			-20
	Misc Comm Room Routing			-1
	Ext Cat6 - Run cabling to the new IDF in the Antenna Shelter			
	*** (2) IR's and (3) Cams - (5) Total Data Runs			
	*** Run cabling to the new IDF in the Antenna Shelter			
Ext Cat6	Exterior Cat6 data cabling - per ft	General / Mohawk / Hitachi		1000
	Cat6 Jacks	Hubbell / Panduit		5
	Misc Faceplates	Hubbell / Panduit		5
	Patch Panel - 24 port Modular	Hubbell / Panduit		1
	Patch Panel Strain Relief Bar	Hubbell / Panduit		1
	Cat6 Jacks - For Mod Patch Panels	Hubbell / Panduit		5
	Patch Cables - comm room side- 1ft			5
	Patch Cables - station side- 3ft			5
	Testing / Documentation			5
	Wall Penetrations / Misc Cable Routing - as needed			0
	J Hooks / Pathways			10
	Misc Comm Room Routing			1
	Deduct pricing for Quote 01 if Quote 02 is accepted:			-\$1,350.00

Expiry Date: 4/9/2020**Account Manager:** Robert Suszynski**To:**

LIVINGSTON COUNTY
304 E Grand River
Suite 101
Howell, Michigan 48843
United States
Attn:Renee Bingham

Notes:

LIV CO Call Center Pole Relocation
Uninstall Exiting Gate Camera & Pole
Electrician to relocate conduit.
Reinstall Camera & Pole at new location.
Modify the orientation of center multi-sensor camera
180 degrees.

LINE	QUANTITY	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	1.00	Labor INSTALLATION, TERMINATION, PROGRAMMING, TESTING AND PROJECT MANAGEMENT	\$870.00 USD	\$870.00 USD

Approved By:

Robert Suszynski

Payment Term: Net 30

Product Total	\$150.00 USD
Project Services	\$720.00 USD
Subtotal	\$870.00 USD

Total	\$870.00 USD
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Expiry Date: 4/9/2020**Account Manager:** Robert Suszynski

Please review the information contained in this document and ensure that it satisfies the needs pertaining to the anticipated outcome. Once you have reviewed and approved the proposed scope of work, please sign and return back so we can begin the work.

Accepted by:

Title:

Date:

PO:

www.Chooseid.com**25163 Dequindre Road, Madison Heights, Michigan 48071****Office – (313) 556-2244 | Fax – (313) 556-2222****Toll Free – (866) 863-9311**



TELECOM TECHNICIANS, INC.

ISO 9001:2008/TL9000 Certified

INVOICE

Bill Livingston County IT
304 E. Grand River Ave
Suite 101
ATTN: Accounts Payable
Howell, MI 48843

Job Location: Livingston County IT
304 E. Grand River Ave
Suite 101
Howell, MI 48843

Invoice #: 12624
Invoice Date: 1/23/2020
Job #: N/A
Customer #: 226600
Purchase Order: R. BINGHAM
Work Order: 11221
Completion Date: 12/30/2019

Service Loc. ID: 841
Customer PO: R. Bingham

Call Type: Service
Problem: BSG VOICE PROBLEM

Agreement:

Comments: The gates at Central Disptach now have power. The card swipes work, but the push buttons inside the building do not work. Zendesk 102767.

Notes: 12/30/19 Craig Hall Worked on the main gate push button for terminals and the manual buttons. Working as intended.

Item	Description	Quantity	Unit Price	Amount
Labor				
	Time and Material Labor	4.00	95.00	380.00
			Labor Subtotal	380.00
Miscellaneous				
	2% Fee For Consumables	1.00	7.60	7.60
			Miscellaneous Subtotal	7.60

DATE DUE: 02/22/2020

Amount Billed: 387.60
Total Tax: 0.00
Amount Due: 387.60

2% added to all invoice totals for miscellaneous consumables.

6975 19 Mile Road • Sterling Heights, MI 48314-3209

Phone: (586) 268-7000 • Fax: (586) 864-1008

"An Equal Opportunity Employer"



TELECOM TECHNICIANS, INC.

ISO 9001:2008/TL9000 Certified

INVOICE

To: Livingston County IT
304 E. Grand River Ave
Suite 101
ATTN: Accounts Payable
Howell, MI 48843

Invoice #: 156347
Invoice Date: 03-13-2020
Job #: 290072
Customer #: 226600
Purchase Order: 20000265-00
Work Order:
Completion Date: 03-10-2020

Job Location: Same

<u>Item</u>	<u>Description</u>	<u>Amount</u>
	Provided and installed Viking IP intercom	775.98

Amount Billed	\$775.98
Total Tax	.00
Retainage Held	.00

DATE DUE: 04-12-2020

Amount Due \$775.98

6975 19 Mile Road • Sterling Heights, MI 48314-3209

Phone: (586) 268-7000 • Fax: (586) 864-1008

Agenda Page 29 of 29
"An Equal Opportunity Employer"