



AGENDA

REGULAR MEETING

November 9, 2021

7:00 P.M. BPU Board Room

45 Monroe St. Hillsdale, MI

I. CALL TO ORDER

II. APPROVAL OF AGENDA WITH ANY ADDITIONS

III. PUBLIC COMMENTS ON AGENDA ITEMS-Public comment shall be limited to no more than five minutes. Please state your name for the record.

IV. PREVIOUS BOARD MINUTES

A. Regular Meeting of October 12, 2021

V. REVIEW OF UTILITY BILLS/FINANCIALS:

A. October 2021 bills in the amount of \$1,197,175.90

B. September Finance Report

VI. DIRECTOR'S REPORT

VII. ACTION ITEMS

- A. Water Pickup Purchase
- B. M-99 Sewer Lining
- C. M-99 Sewer Replacement
- D. Potholing 2022
- E. Union City Withdrawal Agreement

VIII. DEPARTMENT AND PROJECT REPORTS

- A. Water & Wastewater
- B. Electric Utility
- C. Safety
- D. Marketing/Communications Report

IX. MISCELLANEOUS

- A. MSCPA General Information
- B. MSCPA Minutes
- C. APPA Information

X. OPPORTUNITY FOR GENERAL PUBLIC TO ADDRESS THE BOARD

XI. BOARD MEMBER ROUNDTABLE

XII. ADJOURNMENT

Hillsdale Board of Public Utilities
Regular Meeting

October 12, 2021

The regular Hillsdale Board of Public Utilities meeting was called to order at the BPU Offices, 45 Monroe Street, Hillsdale, Michigan at 7:00 p.m. by Mr. Bob Batt, President of the Board.

Board Members Present: Mr. Bob Batt – President
 Ms. Lois Howard
 Mr. Pete Becker

Board Members Absent: Mr. Jeremiah Hodshire
 Mr. Eric Hoffman

Others present: Chris McArthur, BPU Director; David Mackie, City Manager; Jeff Gier, Interim Water/Wastewater Superintendent, Karen Lancaster, Interim Finance Director (via teleconference; Sam Fry, Marketing & Communications Coordinator; and Kelley Newell, Secretary to the Board.

APPROVAL OF AGENDA WITH ANY ADDITIONS

Mr. Becker, supported by Ms. Howard approved the Agenda. Motion carried unanimously by a voice vote.

PREVIOUS BOARD MINUTES

Ms. Howard, supported by Mr. Becker, moved to approve the September 14, 2021 minutes as presented. Motion carried unanimously by a voice vote.

REVIEW OF UTILITY BILLS/FINANCIALS

Ms. Howard, supported by Mr. Becker, moved to approve the September 2021 bills in the amount of \$1,388,880.57. Motion carried unanimously by a voice vote.

DIRECTOR’S REPORT

Rate Study

A call is scheduled to have UFS update the financials, items to be updated include:

Labor costs

Storm Costs

Misstatement as discussed by Joe and Karen

Updated power forecast

Once the updated numbers have been ran I will bring this item back to the Board for approval and recommendation to the Council.

Michigan South Central Power Update

Hydroelectric

Hydro generation combined electric production for August 2021 was better than study projections and better than budget for the month.

Due to favorable river conditions all plants maintaining January – August year-to-date production better than study projections and better than budgeted.

June 10 Maximum Generation Emergency

MISO provided information on Load Modifying Resource (LMR) performance during the June 10, 2021, Maximum Generation Emergency event. Overall LMRs performed at about 81% of their scheduling instructions from MISO. The Michigan member's LMRs performed up to or in excess of their scheduling instructions and therefore did not receive any penalties. Resources in Zone 7 (Michigan) on the other hand performed poorly, accounting for over 50% of the penalties.

Coldwater Peaking Project

MSCPA remains active in the MISO queue with a single LM6000 unit project. MISO reported the DPP2 completion date has again been delayed to an estimated completion date of November 22, 2021. An update will be provided during the October 2021 MSCPA Board meeting.

Annual Conference Update

At the AMP annual meeting for the AMPGS project Hillsdale was voted as the Vice Chair of the AMPGS committee.

At the MMEA annual meeting the Director was voted onto the MMEA Board of Directors.

Moore Rd. Substation Upgrade Update

Work on the Moore Rd. Substation has begun. Consumers Energy staff and BPU staff met and discussed rerouting power at the substation along with metering. A meeting was called to discuss metering options, in this meeting it has been decided to evaluate the methodology of estimating the Hillsdale bill for February thru April. AMP feels that they can be accurate in the estimating method. Major construction on Hillsdale's breakers are scheduled for February thru April. Hillsdale is required to move the lines off of the structure in February for this portion of the project to move forward.

Sanitary Camera Work

We are nearing the end of the initial camera work. We have attempted and/or completed camera work on about 98% of the sanitary system. Taplin is completing cleaning of the remainder of the system and completing the camera work on the cleaned sections of piping. Manhole investigations area also almost completed. This past week Taplin cleaned the 30" main backbone sanitary sewer which was about 60 to 70% full of debris. This has been a feat to get cleaned but should make a big impact on the overall operation of the sanitary sewer system.

Lead Service Line Replacement Work

We have completed 13 lead service line replacements to date as of this writing. This week we are replacing 3 services in the N. Howell Block of downtown. One service was leaking and needed to be repaired and the 3 services were in close proximity to each other and all found to be lead from inside the building to the main. We plan to complete 34 more service before we are completed with this round.

Potholing Bids for the DWAM Grant Bid

The water services list is largely completed. Bids for the next round of Potholing was placed out for bids this week with bids to be returned by Oct. 28 for presentation at the next Board meeting. There are two parts to the contract Part 1 is in conjunction to the DWAM grant we received, the second part to the contract is for additional potholing to be awarded as the budget allows.

Sanitary Sewer Lining Bid

We are placing a bid out for lining of a 1,500 LF section of sanitary sewer under M-99 (W. Carleton Rd). A section of the pipe bottom was found to be gone which caught the camera from Taplin. This required M-99 to be cut open to retrieve the camera and make temporary repairs to the sewer main. The pipe is very fragile and in immediate need of repairs via pipe lining. This request for bid will be returned on October 28 for presentation to the Board at the next meeting.

ACTION ITEMS

Electrical Service Upgrades to Power Plant

The main electrical service at the power plant is in need of replacement. The service is extremely old with many of the fuses and knives very hard to find and costly. The service has been a dual feed system with a wet and a dry transformer both being 4160 V. The voltage upgrade will require us to upgrade the exterior service and transformer, thus making this the perfect time to replace the inside service equipment. The work described in the bid is the basic main panel replacement this is the breaker panel that feeds all of the subpanels throughout the plant. This is a starting point for repair/replacement of outdated electrical fuse boxes and a huge safety improvement for personnel. Local Electrical contractor Clark Electric visited the power plant several times and along with power plant personnel developed a replacement strategy.

RECOMMENDATION:

Staff recommends moving forward with the replacement of the 800 amp main panel and associated wiring at the power plant by Clark Electric for \$26,500.00.

Ms. Howard, supported by Mr. Becker moved to approve moving forward with the replacement of the 800 amp main panel and associated wiring at the power plant by Clark Electric for \$26,500.00. Motion carried unanimously by voice vote.

Utility Pot Holing for 2022 Street Project

In conjunction with the proposed street projects planned in 2022 the BPU staff and City Engineer requires some potholing work on the water services along the streets planned for repaving in 2022. It is intended to include any required lead service replacements needed during the road work within the bidding documents for the street work. Bid documents for this project need to be completed in January 2022 for bidding in February. Generally this would have been

completed within the larger utility potholing contract, however due to timing of the needed information this work must be completed this fall for inclusion in the paving project. As timing for this information is critical we contacted Taplin to request pricing for completing potholing this fall on the estimated 114 services along the proposed 2022 construction streets. Attached is the proposal for the work asked of Taplin.

RECOMMENDATION:

Staff recommends the BPU Board support award of work to Taplin Group, LLC of Kalamazoo, MI. to complete approximately 114 water service potholes along the street proposed for paving in the 2022 calendar year. Funds for this work is available in the Water Fund as potholing work was approved in the current budget.

Mr. Becker, supported by Ms. Howard approved to award the job to Taplin, LLC of Kalamazoo, MI. to complete potholing this fall on the estimated 114 services along the proposed 2022 construction streets. Motion carried unanimously by voice vote.

IBEW 876 Union Contract

Attached is the newly negotiated contract between the City of Hillsdale and the Local Union 876 International Brotherhood of Electrical Workers for City Council approval. The contract is for three-years with changes tracked in red. Items to note in the contract include:

- Annual raises for the three year contract:
 - o Lineman 5%, 4.5%, 4.5%
 - o Apprentice wages 65/70/75/80/85/90/95 of Lineman wages
 - o Service Tech 2%, 2.5%, 3% o Groundman 4%, 3%, 3%
 - o Water Operator 4%, 2.5%, 3%
- \$750 signing bonus, Double time when a storm has been declared by the director and mutual aid is requested.
- PTO (Paid Time Off) for new hires versus separate vacation, sick and personal time of current employees
- Addition of Martin Luther King Day off as a holiday

A final version is being completed and will be sent out before the meeting on Tuesday.

RECOMMENDATION:

Staff recommends approval of the IBEW Local 876 union contract for the period of October 1, 2021 to June 30, 2024.

Ms. Howard, supported by Mr. Becker moved to approve the IBEW Local 876 union contract for the period of October 1, 2021 to June 30, 2024. Motion carried unanimously by voice vote.

APPROVAL OF WHEELER WORLD BILL

RECOMMENDATION:

Staff recommends approving the Wheeler World bill in the amount of \$31,103.97.

Mr. Becker, supported by Ms. Howard moved to approve the payment of Wheeler World bill in the amount of \$31,103.97. Motion carried unanimously by voice vote.

DEPARTMENT PROJECT PROGRESS REPORTS

Jeff Gier reported on the Water Distribution/Wastewater Collections/WWTP.

Taplin's camera stuck in 10' concrete main in front of Community Credit Union. Crews dug up 32' of M-99. The concrete piping is in very bad shape, working to get bids on lining 1500' of this pipe. There were no violations this month. Crews assisted the electric department with storm cleanup. Crews repaired a leaking water service line at 78 Westwood Street. 5 Lead Service Lines were replaced and 7 meter exchanges.

Director Chris McArthur reported on work the electric crews have been working on. The first two weeks of this month were spent dealing with the aftermath of the tornado that hit our system. Line clearance crews were assigned to areas that were affected by the storm to clear potential hazards. Our crews collected broken poles and further repaired some of the patches that had been put in place. The overhead line extension on M-99 north continues as crews finished setting poles and prepare to pull in new conductor. Conduit was buried for new Dairy Queen and wire pulled in and terminated.

Director McArthur presented the Power Plant monthly report. Engines 5 and 6 ran for peak usage on 9/17 and 9/19. Crews removed and repaired lube oil heater pump on engine 6. Crews started removing the head from engine 6 cylinder L-7 after finding a water leak. Cleaned and repaired air pressure regulator.

BOARD MEMBER ROUNDTABLE

Ms. Howard thanked the Utility for Public Power Week.

PUBLIC COMMENT

AJOURNMENT

Ms. Howard, supported by Mr. Becker moved to adjourn the meeting. Motion carried unanomously by voice vote.

The meeting adjourned at 8:13 p.m.

Kelley Newell – Secretary to the Board

INVOICE GL DISTRIBUTION REPORT FOR CITY OF HILLSDALE
 INVOICE ENTRY DATES 10/01/2021 - 10/31/2021
 BOTH JOURNALIZED AND UNJOURNALIZED
 BOTH OPEN AND PAID

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 582 ELECTRIC FUND					
Dept 000.000					
582-000.000-110.000	FUSE LINK - 80 AMP T	POWERLINE SUPPLY	INVENTORY	2,857.20	102383
582-000.000-110.000	POLE - 35 FOOT CLASS 4	THOMASSON COMPANY	POLES	9,246.00	102404
582-000.000-110.000	FUSE LINK - 8 AMP T	POWERLINE SUPPLY	INVENTORY	46.30	102544
582-000.000-110.000	BULB - 175 WATT METAL HALID	POWERLINE SUPPLY	NEED REISSUE PO / NEW PO PER TINA/LAMP	78.72	102546
582-000.000-110.000	WIRE - #2 TRIPLEX (CONCH)	POWERLINE SUPPLY	WIRE	1,420.00	102547
582-000.000-110.000	SOCKET - 4 TERMINAL 200 AMP URD	POWERLINE SUPPLY	METER SOCKETS	801.00	102548
582-000.000-110.000	WIRE HOLDER - 4" LAG HOUSE	POWERLINE SUPPLY	INVENTORY	354.50	102549
582-000.000-123.000	PREPAID EXPENSES	BS&A SOFTWARE	ANNUAL SUPPORT FA, MR, HR, UB, CM, ONLI	3,309.25	102450
582-000.000-123.000	PREPAID EXPENSES	CANNON TECHNOLOGIES INC	ANNUAL YUKON SUPPORT AMI RF 2021 BPU	4,571.00	102451
582-000.000-123.000	PREPAID EXPENSES	SONIT SYSTEMS, LLC	SSL WILDACARD CERTIFICATE 1 YEAR HILLSI	337.50	102570
582-000.000-158.000-191006	CONSTRUCTION WORK IN PROGRESS	SSOE	SERVICES FROM 8-22-21 TO 9-18-21 - VOLI	5,026.06	102398
582-000.000-158.000-191006	CONSTRUCTION WORK IN PROGRESS	SSOE	PHASE 1 UPGRADE ENG & DESISN SERVICES	1,207.00	102576
582-000.000-158.000-201009	225 KVA THREE PHASE 120/208 PAD	T & R ELECTRIC SUPPLY COME	TRANSFORMER	5,854.00	102580
582-000.000-202.100	4CCH	BARNETT JR, LARRY D	UB refund for account: 022131	335.00	102316
582-000.000-202.100	4CCH	BUTZIN, DAVID W	UB refund for account: 025820	52.85	102324
582-000.000-202.100	4ENBK1	EVENER, WAYNE	UB refund for account: 030125	509.40	102340
582-000.000-202.100	4ENBK1	GAFF, JOHN A	UB refund for account: 022622	96.11	102344
582-000.000-202.100	6CCH	GODFREY, ROBERT R	UB refund for account: 017904	69.54	102347
582-000.000-202.100	4ENBK1	HAYNE, KADEN Z	UB refund for account: 026909	69.72	102348
582-000.000-202.100	4ENBK1	JARRELL-STOWE, PATRICIA A	UB refund for account: 020132	10.00	102356
582-000.000-202.100	4CCH	KEATS, JANINE D	UB refund for account: 021558	24.46	102358
582-000.000-202.100	4CCH	MILLER, JADA R	UB refund for account: 013163	67.00	102372
582-000.000-202.100	4ENBK1	OWEN, JARED T	UB refund for account: 030358	78.00	102378
582-000.000-202.100	4TAX	REARICK, ANGELA N	UB refund for account: 030031	58.03	102387
582-000.000-202.100	4PCA	RITCHIE, DANIEL A	UB refund for account: 026714	62.79	102390
582-000.000-202.100	4CCH	SCOTT, DOUGLAS M	UB refund for account: 023415	95.12	102394
582-000.000-202.100	4CCH	UMANA, RACHEL M	UB refund for account: 021682	4.41	102407
582-000.000-202.100	4CCH	UMANA, RACHEL M	UB refund for account: 021682	22.00	102408
582-000.000-202.100	4CCH	YOUNG, ERICK R	UB refund for account: 012862	235.84	102422
582-000.000-202.100	4CCH	CL REAL ESTATE LLC	UB refund for account: 026857	14.31	102454
582-000.000-202.100	4CCH	COMMUNITY ACTION AGENCY	UB REFUND FOR ACCOUNT: 030387 (D. CARR)	1,027.83	102456
582-000.000-202.100	4CCH	CRAMER, JOSHUA E	UB refund for account: 011411	94.66	102457
582-000.000-202.100	4CCH	DANIELS, TRAVIS J	UB refund for account: 022066	122.00	102463
582-000.000-202.100	4ENBK1	JONES, JAMES A	UB refund for account: 021648	1.86	102509
582-000.000-202.100	4ENBK1	PRESTON, CHARLES D	UB refund for account: 030097	41.03	102550
582-000.000-202.100	4CCH	REYOME, DAVID W	UB refund for account: 010467	36.66	102558
582-000.000-202.100	4CCH	SABO EDGE LLC	UB refund for account: 026182	34.00	102560
582-000.000-202.100	4ENBK1	SABO EDGE LLC	UB refund for account: 026778	18.00	102561
582-000.000-202.100	4ENBK1	SABO EDGE LLC	UB refund for account: 025578	33.00	102562
582-000.000-202.100	4ENBK1	SABO EDGE LLC	UB refund for account: 019493	24.30	102563
582-000.000-202.100	4CCH	SABO EDGE LLC	UB refund for account: 026860	31.00	102564
582-000.000-202.100	4ENBK1	SPRING MEADOWS APARTMENTS	UB refund for account: 025850	32.00	102575
582-000.000-202.100	4CCH	TITUS, MAXINE	UB refund for account: 010684	77.58	102582
582-000.000-249.100	OPERATION ROUND-UP - SEPT 2021	COMMUNITY ACTION AGENCY	OPERATION ROUND-UP SEPT 2021	2,557.66	102327
582-000.000-249.100	LIEAF-6099 SEPTEMBER 2021 P.A. 9	LARA - MI PUBLIC SERVICE (	"LIEAF-6099 SEPTEMBER 2021 P.A. 95"	5,268.03	102361
582-000.000-265.000	ACCRUED SALES TAX	STATE OF MICHIGAN	SEPT 2021 SALES TAX	36,482.93	583
582-000.000-693.000	MISC NON-OPERATING INCOME	STATE OF MICHIGAN	SEPT 2021 SALES TAX	(230.94)	583
Total For Dept 000.000				82,564.71	
Dept 175.000 ADMINISTRATIVE SERVICES					
582-175.000-715.000	HEALTH AND LIFE INSURANCE	PRIORITY HEALTH	HEALTH INSURANCE GROUP 791487	14,571.04	111
582-175.000-715.000	HEALTH AND LIFE INSURANCE	BLUE CROSS & BLUE SHIELD (	DENTAL & VISION INSURANCE GROUP 0070034	534.85	112

INVOICE GL DISTRIBUTION REPORT FOR CITY OF HILLSDALE
 INVOICE ENTRY DATES 10/01/2021 - 10/31/2021
 BOTH JOURNALIZED AND UNJOURNALIZED
 BOTH OPEN AND PAID

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 582 ELECTRIC FUND					
Dept 175.000 ADMINISTRATIVE SERVICES					
582-175.000-715.000	HEALTH AND LIFE INSURANCE	BLUE CROSS & BLUE SHIELD (DENTAL & VISION INSURANCE GROUP 0070034		438.93	113
582-175.000-715.000	HEALTH AND LIFE INSURANCE	BLUE CROSS & BLUE SHIELD (DENTAL & VISION INSURANCE GROUP 0070034		27.65	115
582-175.000-715.000	HEALTH AND LIFE INSURANCE	SUN LIFE ASSURANCE COMPANY LIFE & DISABILITY INSURANCE		251.72	120
582-175.000-715.000	HEALTH AND LIFE INSURANCE	SUN LIFE ASSURANCE COMPANY LIFE & DISABILITY INSURANCE		235.48	90
582-175.000-716.000	RETIREMENT	MERS RETIREMENT CONTRIBUTIONS - 300101		15,876.24	581
582-175.000-721.000	DISABILITY INSURANCE	SUN LIFE ASSURANCE COMPANY LIFE & DISABILITY INSURANCE		402.11	120
582-175.000-721.000	DISABILITY INSURANCE	SUN LIFE ASSURANCE COMPANY LIFE & DISABILITY INSURANCE		383.11	90
582-175.000-726.000	SUPPLIES	ARROW SWIFT PRINTING #110 BLANK WHITE INDEX 40411		100.63	102314
582-175.000-726.000	SUPPLIES	CURRENT OFFICE SOLUTIONS STORAGE BOXES		44.75	102329
582-175.000-726.000	SUPPLIES	POWERLINE SUPPLY VEST FR CL2 YLW MODACYLIC MESH 2X		507.35	102383
582-175.000-726.000	WATER - OFFICE	RUPERT'S CULLIGAN BOTTLED WATER		10.00	102392
582-175.000-726.000	SUPPLIES	ARROW SWIFT PRINTING ENVELOPES		298.13	102438
582-175.000-726.000	SUPPLIES	ARROW SWIFT PRINTING ENVELOPES		257.32	102439
582-175.000-726.000	SUPPLIES	CURRENT OFFICE SOLUTIONS NOTEBOOK		36.36	102461
582-175.000-726.000	SUPPLIES	HILLSDALE GARDEN CLUB CHRISTMAS WREATHS		100.00	102499
582-175.000-726.000	SUPPLIES	POWERLINE SUPPLY REFLECTIVE STRIPING		201.36	102545
582-175.000-801.000	CONTRACTUAL SERVICES	ACD CHARGES FOR OCTOBER 2021/TELEPHONE/CON		100.00	102310
582-175.000-801.000	CONTRACTUAL SERVICES	DELAWARE SYSTEMS PRINT/INSERT/POSTAGE & HANDLING		1,396.55	102331
582-175.000-801.000	CONTRACTUAL SERVICES	EAST 2 WEST ENTERPRISES, INC CLEANING FOR SEPTEMBER 2021		130.00	102337
582-175.000-801.000	CONTRACTUAL SERVICES	HOOP LAWN & SNOW, LLC CUT AND TRIM BPU SITES		1,000.00	102352
582-175.000-801.000	MONTHLY PROCESSING	ONLINE INFORMATION SERVICE UTILITY EXCHANGE REPORT - BILLING PERIC		98.65	102377
582-175.000-801.000	CONTRACTUAL SERVICES	UTILITY FINANCIAL SOLUTION 2021 COS FP RATE STUDY COMPS PCA & CAS		5,272.50	102415
582-175.000-801.000	CONTRACTUAL SERVICES	WORKHEALTH-QUINCY, PLLC PREEMPLOYMENT/DOT TESTING		70.00	102421
582-175.000-801.000	CONTRACTUAL SERVICES	SAFE TEC COMPLIANCE SYSTEM STANDARD, GHS, SAFETY/SAFETEC OTIS V2 S		820.00	102565
582-175.000-801.000	CREDIT CARD PROCESSING FEES	INVOICE CLOUD SEPT 2021 CREDIT CARD PROCESSING FEES		122.80	580
582-175.000-801.000	CONTRACTUAL SERVICES	MICHIGAN PUBLIC POWER AGEN MPPA ADMIN OVERHEAD SEPTEMBER 2021		9.02	88
582-175.000-801.200	TEAMVIEWER	CARD SERVICES CENTER TEAMVIEWER		152.75	100
582-175.000-801.200	COMPUTER	SOUTHERN COMPUTER WAREHOUSE WD GOLD 8T HARD DRIVES FOR SECONDARY B		227.06	102571
582-175.000-801.200	COMPUTER	SOUTHERN COMPUTER WAREHOUSE 8 BAY STORAGE DEVICE FOR SECONDARY SYST		249.36	102572
582-175.000-801.200	ANNUAL PDQ DEPLOY ENTERPRISE	CARD SERVICES CENTER OCT 2021 CREDIT CARD - MCARTHUR		112.50	103
582-175.000-861.000	MMEA CONFERENCE	CARD SERVICES CENTER OCT 2021 CREDIT CARD - MCARTHUR		1,267.02	103
582-175.000-880.000	COMMUNITY PROMOTION	MCKIBBIN MEDIA GROUP ADVERTISING		267.50	102367
582-175.000-920.400	0504504154 - 37 MONROE	MICH GAS UTILITIES NATURAL GAS UTILITY - 37 MONROE		47.46	87
582-175.000-925.000	TELEPHONE	ACD CHARGES FOR OCTOBER 2021 - POWER PLANT		131.76	102310
582-175.000-925.000	TELEPHONE	BSB COMMUNICATIONS INC MONTHLY ETHER FAX BILL OCT 2021		28.00	102322
582-175.000-925.000	TELEPHONE	VERIZON WIRELESS MONTHLY VERIZON BILL BPU 10-13-2021		691.34	102417
582-175.000-930.000	REPAIRS & MAINTENANCE	BRAMAN ROOFING REPAIRED ROOF OVER OFFICE AND BATHROOM		94.00	102321
Total For Dept 175.000 ADMINISTRATIVE SERVICES				46,565.30	
Dept 543.000 PRODUCTION					
582-543.000-726.000	SUPPLIES	BEAVER RESEARCH COMPANY FOAMING DEGREASER/FLIP CAP FOAMER		296.20	102317
582-543.000-726.000	SUPPLIES	FAMILY FARM & HOME TARP STRAP/WIRE CUP BRUSH/WIRE END BRU		24.93	102341
582-543.000-726.000	SUPPLIES	HEFFERNAN SOFT WATER SERV WATER DELIVERY SERVICE		12.00	102349
582-543.000-726.000	SUPPLIES	CINTAS DPS/POWER PLANT FIRST AID SUPPLIES		111.46	102453
582-543.000-726.000	SUPPLIES	GELZER & SON INC FLUX BRAZING ROD		17.49	102493
582-543.000-726.000	SUPPLIES	HEFFERNAN SOFT WATER SERV WATER DELIVERY SERVICE/POWER PLANT		14.10	102498
582-543.000-726.000	SUPPLIES	PERFORMANCE AUTOMOTIVE ULTRA BLUE/LOW ODOR BK CLN		18.17	102531
582-543.000-726.000	SUPPLIES	PERFORMANCE AUTOMOTIVE RIGHT STUFF		31.89	102532
582-543.000-739.000	PURCHASED POWER	MICHIGAN SOUTH CENTRAL POW MSCPA MEMBER POWER BILLING - SEPT 2021		712,013.58	109
582-543.000-740.300	504504154 - 201 WATERWORKS XX -	MICH GAS UTILITIES NATURAL GAS UTILITY - 201 WATERWORKS XX		7,717.52	108
582-543.000-740.300	NATURAL GAS - ENGINE #5	MICH GAS UTILITIES NATURAL GAS UTILITY - 201 WATERWORKS XX		6,438.07	87
582-543.000-740.400	504504154 - 201 WATERWORKS XX -	MICH GAS UTILITIES NATURAL GAS UTILITY - 201 WATERWORKS XX		8,032.53	108

INVOICE GL DISTRIBUTION REPORT FOR CITY OF HILLSDALE
 INVOICE ENTRY DATES 10/01/2021 - 10/31/2021
 BOTH JOURNALIZED AND UNJOURNALIZED
 BOTH OPEN AND PAID

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 582 ELECTRIC FUND					
Dept 543.000 PRODUCTION					
582-543.000-740.400	NATURAL GAS - ENGINE #6	MICH GAS UTILITIES	NATURAL GAS UTILITY - 201 WATERWORKS X	6,700.84	87
582-543.000-801.000	CONTRACTUAL SERVICES	SAFETY SYSTEMS, INC	SERVICE ON ZN 73 FALSE TRIPPING/TRIP CF	279.00	102566
582-543.000-920.400	504504154 - 201 WATERWORKS - PP	MICH GAS UTILITIES	NATURAL GAS UTILITY - 201 WATERWORKS	80.85	105
582-543.000-920.400	0504504154 - 201 WATERWORKS	MICH GAS UTILITIES	NATURAL GAS UTILITY - 201 WATERWORKS	39.02	87
582-543.000-930.000	REPAIRS & MAINTENANCE	AMERICAN COPPER AND BRASS,	ON-OFF DPST ROCKER	10.23	102313
582-543.000-930.050	REPAIRS & MAINT. - ENGINE #5	WHEELER WORLD INC	UPPER,LOWER GASKET/WATER JUMPER, WATER	463.75	102419
582-543.000-930.060	REPAIRS & MAINT. - ENGINE #6	PERFORMANCE AUTOMOTIVE	TRIM ADHESIVE	35.14	102380
582-543.000-930.060	REPAIRS & MAINT. - ENGINE #6	WHEELER WORLD INC	UPPER,LOWER GASKET/WATER JUMPER, WATER	463.74	102419
582-543.000-930.060	REPAIRS & MAINT. - ENGINE #6	WHEELER WORLD INC	REPAIRS TO ENGINE # 6	4,805.66	102595
Total For Dept 543.000 PRODUCTION				747,606.17	
Dept 544.000 DISTRIBUTION					
582-544.000-726.800	SUPPLIES - OPERATIONS	GELZER & SON INC	ALLEN WRENCH	19.18	102345
582-544.000-726.800	3 GANG SWITCHES AR113FF	POWERLINE SUPPLY	3 GANG SWITCH	10,303.92	102383
582-544.000-726.800	SUPPLIES - OPERATIONS	AMERICAN COPPER AND BRASS,	PLASTIC BUSHING/LOCKNUT/RIGID STRAP/PVC	46.27	102429
582-544.000-726.800	SUPPLIES - OPERATIONS	GELZER & SON INC	WASP & HORNET SPRAY	47.64	102476
582-544.000-726.800	SUPPLIES - OPERATIONS	GELZER & SON INC	LONG HANDLE DIGGING SHOVEL	3.00	102477
582-544.000-726.800	SUPPLIES - OPERATIONS	GELZER & SON INC	FLEX CONNECTOR	4.79	102478
582-544.000-726.800	SUPPLIES - OPERATIONS	KENDALL ELECTRIC	FLUORESCENT LAMP	66.14	102511
582-544.000-730.000	HITCH FOR 39-04	CARD SERVICES CENTER	SIGN, HOTEL, TRAINING, FUEL, HITCH	68.46	102
582-544.000-730.000	VEH./EQUIP. MAINT. SUPPLIES	FAMILY FARM & HOME	STAYTITE RAT W/DBL JH	79.97	102341
582-544.000-730.000	VEH./EQUIP. MAINT. SUPPLIES	PERFORMANCE AUTOMOTIVE	NOTCH BELT	124.37	102380
582-544.000-730.000	VEH./EQUIP. MAINT. SUPPLIES	ALTA EQUIPMENT COMPANY	QUICK COUPLER	86.20	102423
582-544.000-730.000	HEADSET REPAIRS - SONETICS	CARD SERVICES CENTER	OCT 2021 CREDIT CARD - MCARTHUR	1,030.00	103
582-544.000-740.000	FUEL AND LUBRICANTS	WATKINS OIL COMPANY	FUEL & LUBRICANTS SEPTEMBER 2021	2,128.21	102418
582-544.000-740.000	FUEL AND LUBRICANTS	PERFORMANCE AUTOMOTIVE	10W30 - 5Q	67.47	102529
582-544.000-740.000	FUEL AND LUBRICANTS	PERFORMANCE AUTOMOTIVE	10 W 30 - 5 Q	44.98	102530
582-544.000-801.000	CONTRACTUAL SERVICES	MILSOFT	MONTHLY MILSOFT DISPATCH SUPPORT	1,109.94	102416
582-544.000-801.300	TREE TRIMMING	WRIGHT TREE SERVICE	TREE TRIMMING W/E 10/9/2021	3,662.75	102598
582-544.000-930.000	MUTAL AID	LOWELL LIGHT & POWER	MUTAL AID	10,682.76	102364
582-544.000-930.000	MEALS - POWER OUTAGE	CARD SERVICES CENTER	OCT 2021 CREDIT CARD - MCARTHUR	2,490.42	103
582-544.000-930.546	LTC SERVICE	SOLOMON CORPORATION	LTC SERVICE	22,250.00	102569
582-544.000-970.000	167 KVA POLE MOUNT XFR PER 83988	T & R ELECTRIC SUPPLY COME	RECOND TRANSFORMER	2,088.00	102402
Total For Dept 544.000 DISTRIBUTION				56,404.47	
Total For Fund 582 ELECTRIC FUND				933,140.65	
Fund 590 SEWER FUND					
Dept 000.000					
590-000.000-123.000	PREPAID EXPENSES	BS&A SOFTWARE	ANNUAL SUPPORT FA, MR, HR, UB, CM, ONLI	1,655.00	102450
590-000.000-123.000	PREPAID EXPENSES	CANNON TECHNOLOGIES INC	ANNUAL YUKON SUPPORT AMI RF 2021 BPU	2,285.50	102451
590-000.000-123.000	PREPAID EXPENSES	SONIT SYSTEMS, LLC	SSL WILDACARD CERTIFICATE 1 YEAR HILLSI	168.75	102570
590-000.000-202.100	SCCH	HAYNE, KADEN Z	UB refund for account: 026909	18.46	102348
590-000.000-202.100	SBK1	KEATS, JANINE D	UB refund for account: 021558	19.49	102358
590-000.000-202.100	SBK1	NOWLIN, NICOLE L	UB refund for account: 011719	622.22	102375
590-000.000-202.100	SCCH	REARICK, ANGELA N	UB refund for account: 030031	16.20	102387
590-000.000-202.100	SCCH	RITCHIE, DANIEL A	UB refund for account: 026714	34.58	102390
590-000.000-202.100	SCCH	CL REAL ESTATE LLC	UB refund for account: 026857	23.45	102454
590-000.000-202.100	SBK1	JONES, JAMES A	UB refund for account: 021648	1.29	102509
590-000.000-202.100	SCCH	PRESTON, CHARLES D	UB refund for account: 030097	25.28	102550
Total For Dept 000.000				4,870.22	

INVOICE GL DISTRIBUTION REPORT FOR CITY OF HILLSDALE
 INVOICE ENTRY DATES 10/01/2021 - 10/31/2021
 BOTH JOURNALIZED AND UNJOURNALIZED
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GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 590 SEWER FUND					
Dept 175.000 ADMINISTRATIVE SERVICES					
590-175.000-715.000	HEALTH AND LIFE INSURANCE	PRIORITY HEALTH	HEALTH INSURANCE GROUP 791487	7,384.56	111
590-175.000-715.000	HEALTH AND LIFE INSURANCE	BLUE CROSS & BLUE SHIELD (DENTAL & VISION INSURANCE GROUP 0070034		109.75	112
590-175.000-715.000	HEALTH AND LIFE INSURANCE	BLUE CROSS & BLUE SHIELD (DENTAL & VISION INSURANCE GROUP 0070034		315.40	113
590-175.000-715.000	HEALTH AND LIFE INSURANCE	BLUE CROSS & BLUE SHIELD (DENTAL & VISION INSURANCE GROUP 0070034		13.82	115
590-175.000-715.000	HEALTH AND LIFE INSURANCE	SUN LIFE ASSURANCE COMPANY\	LIFE & DISABILITY INSURANCE	8.12	118
590-175.000-715.000	HEALTH AND LIFE INSURANCE	SUN LIFE ASSURANCE COMPANY\	LIFE & DISABILITY INSURANCE	60.90	120
590-175.000-715.000	HEALTH AND LIFE INSURANCE	SUN LIFE ASSURANCE COMPANY\	LIFE & DISABILITY INSURANCE	93.38	90
590-175.000-716.000	RETIREMENT	MERS	RETIREMENT CONTRIBUTIONS - 300101	4,661.46	581
590-175.000-721.000	DISABILITY INSURANCE	SUN LIFE ASSURANCE COMPANY\	LIFE & DISABILITY INSURANCE	7.90	118
590-175.000-721.000	DISABILITY INSURANCE	SUN LIFE ASSURANCE COMPANY\	LIFE & DISABILITY INSURANCE	51.66	120
590-175.000-721.000	DISABILITY INSURANCE	SUN LIFE ASSURANCE COMPANY\	LIFE & DISABILITY INSURANCE	129.65	90
590-175.000-726.000	SUPPLIES	ARROW SWIFT PRINTING	#110 BLANK WHITE INDEX 40411	50.31	102314
590-175.000-726.000	SUPPLIES	CURRENT OFFICE SOLUTIONS	STORAGE BOXES	22.37	102329
590-175.000-726.000	WATER - OFFICE	RUPERT'S CULLIGAN	BOTTLED WATER	5.00	102392
590-175.000-726.000	SUPPLIES	ARROW SWIFT PRINTING	ENVELOPES	149.06	102438
590-175.000-726.000	SUPPLIES	ARROW SWIFT PRINTING	ENVELOPES	128.66	102439
590-175.000-726.000	SUPPLIES	HILLSDALE GARDEN CLUB	CHRISTMAS WREATHS	50.00	102499
590-175.000-801.000	CONTRACTUAL SERVICES	ACD	CHARGES FOR OCTOBER 2021/TELEPHONE/CONI	50.00	102310
590-175.000-801.000	CONTRACTUAL SERVICES	DELAWARE SYSTEMS	PRINT/INSERT/POSTAGE & HANDLING	698.27	102331
590-175.000-801.000	CONTRACTUAL SERVICES	EAST 2 WEST ENTERPRISES, I	CLEANING FOR SEPTEMBER 2021	65.00	102337
590-175.000-801.000	CONTRACTUAL SERVICES	HOOP LAWN & SNOW, LLC	CUT AND TRIM BPU SITES	500.00	102352
590-175.000-801.000	MONTHLY PROCESSING	ONLINE INFORMATION SERVICE	UTILITY EXCHANGE REPORT - BILLING PERIC	49.33	102377
590-175.000-801.000	CONTRACTUAL SERVICES	UTILITY FINANCIAL SOLUTION	WASTEWATER 2021 COS FP RATE STUDY & COM	4,385.00	102415
590-175.000-801.000	CONTRACTUAL SERVICES	WORKHEALTH-QUINCY, PLLC	PREEMPLOYMENT TESTING	96.50	102421
590-175.000-801.000	CONTRACTUAL SERVICES	SAFE TEC COMPLIANCE SYSTEM	STANDARD, GHS, SAFETY/SAFETEC OTIS V2 &	410.00	102565
590-175.000-801.000	CONTRACTUAL SERVICES	WORKHEALTH-QUINCY, PLLC	DOT PHY - FLAUGHER	35.00	102596
590-175.000-801.000	CREDIT CARD PROCESSING FEES	INVOICE CLOUD	SEPT 2021 CREDIT CARD PROCESSING FEES	61.40	580
590-175.000-801.200	TEAMVIEWER	CARD SERVICES CENTER	TEAMVIEWER	76.37	100
590-175.000-801.200	COMPUTER	SOUTHERN COMPUTER WAREHOUSE	WD GOLD 8T HARD DRIVES FOR SECONDARY BF	113.53	102571
590-175.000-801.200	COMPUTER	SOUTHERN COMPUTER WAREHOUSE	8 BAY STORAGE DEVICE FOR SECONDARY SYSI	124.68	102572
590-175.000-801.200	ANNUAL PDQ DEPLOY ENTERPRISE	CARD SERVICES CENTER	OCT 2021 CREDIT CARD - MCARTHUR	56.25	103
590-175.000-880.000	COMMUNITY PROMOTION	MCKIBBIN MEDIA GROUP	ADVERTISING	133.75	102367
590-175.000-920.400	0504504154 - 37 MONROE	MICH GAS UTILITIES	NATURAL GAS UTILITY - 37 MONROE	23.71	87
590-175.000-925.000	TELEPHONE	ACD	CHARGES FOR OCTOBER 2021/TELEPHONE/CONI	10.78	102310
590-175.000-925.000	TELEPHONE	BSB COMMUNICATIONS INC	MONTHLY ETHER FAX BILL OCT 2021	14.00	102322
590-175.000-925.000	TELEPHONE	VERIZON WIRELESS	MONTHLY VERIZON BILL BPU 10-13-2021	170.32	102417
590-175.000-930.000	REPAIRS & MAINTENANCE	BRAMAN ROOFING	REPAIRED ROOF OVER OFFICE AND BATHROOM	47.00	102321
Total For Dept 175.000 ADMINISTRATIVE SERVICES				20,362.89	
Dept 546.000 OPERATIONS					
590-546.000-742.000	CLOTHING / UNIFORMS	USABLUBOOK	GLOVES NEOPRENE LATEX 12"	68.37	102413
590-546.000-801.000	CONTRACTUAL SERVICES	MILSOFT	MONTHLY IVR SUPPORT	129.93	102416
590-546.000-925.000	TELEPHONE	ACD	CHARGES FOR OCTOBER 2021 - WASTEWATER T	86.20	102310
590-546.000-930.000	REPAIRS & MAINTENANCE	PERFORMANCE AUTOMOTIVE	10 PC HEX KEY SET X 2	28.78	102380
590-546.000-930.960	REPAIRS & MAINT. - SEWER MAINS	REPUBLIC SERVICES OF KALAM	101 W GALLOWAY DR SERVICES SEWER MAIN C	2,331.63	102389
590-546.000-930.960	REPAIRS & MAINT. - SEWER MAINS	PARRISH EXCAVATING, INC.	M-99 SEWER REPAIR AT 412 W CARLETON RD	9,892.06	102527
590-546.000-930.960	REPAIRS & MAINT. - SEWER MAINS	REPUBLIC SERVICES OF KALAM	DISPOSAL/RECYCLING AT 101 W GALLOWAY DF	6,887.05	102557
590-546.000-930.960	REPAIRS & MAINT. - SEWER MAINS	TAPLIN GROUP, LLC	SANITARY SEWER CAMERA SERVICES - 9/1/21	76,881.20	102581
Total For Dept 546.000 OPERATIONS				96,305.22	
Dept 547.000 TREATMENT					
590-547.000-726.900	SUPPLIES - LABORATORY	FAMILY FARM & HOME	DAWN DISH SOAP	5.00	102341
590-547.000-726.900	SUPPLIES - LABORATORY	IDEXX LABORATORIES	WP2001 GAMMA IRRAD COLILERT 100 ML 200	1,141.50	102354

INVOICE GL DISTRIBUTION REPORT FOR CITY OF HILLSDALE
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GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 590 SEWER FUND					
Dept 547.000 TREATMENT					
590-547.000-726.900	SUPPLIES - LABORATORY	MARKET HOUSE	UPS SHIPMENT/TEST SAMPLES	23.45	102366
590-547.000-726.900	SUPPLIES - LABORATORY	NORTH CENTRAL LABORATORIES	3M COMPLY STEAM CHEMICAL INTEG	194.25	102374
590-547.000-726.900	SUPPLIES - LABORATORY	USABLUEBOOK	SPIGOT/TUBING ADAPTOR/CRUCIBLE TONGS	1,129.75	102413
590-547.000-726.900	SUPPLIES - LABORATORY	AMAZON CAPITAL SERVICES, I	TONER/HUSQ GAS GRINDER/DIAMOND BLADES	43.39	102424
590-547.000-726.900	SUPPLIES - LABORATORY	RUPERT'S CULLIGAN	101 W GALLOWAY DR - DISTILLED WATER/DEI	26.00	102559
590-547.000-727.600	SUPPLIES - FERROUS CHLORIDE	ALEXANDER CHEMICAL CORPOR	FERROUS CHLORIDE	3,869.68	102311
590-547.000-740.000	FUEL AND LUBRICANTS	WATKINS OIL COMPANY	FUEL & LUBRICANTS SEPTEMBER 2021	789.19	102418
590-547.000-801.000	CONTRACTUAL SERVICES	BIOLOGICAL RESEARCH SOLUTI	COLILERT LOT: DT816	100.00	102320
590-547.000-801.000	CONTRACTUAL SERVICES	MERIT LABORATORIES	BEF COMPLIANCE	2,392.00	102368
590-547.000-801.000	CONTRACTUAL SERVICES	GLOBAL ENVIRONMENTAL CONSU	TOX TEST CERIODAPHNIA/FATHEAD MINNOW	600.00	102495
590-547.000-801.000	CONTRACTUAL SERVICES	MICH DEPART OF LICENSING &	BOILER INSPECTION AT 101 W GALLOWAY DR	60.00	102556
590-547.000-801.000	CONTRACTUAL SERVICES	UTILITIES INSTRUMENTATION	SERVICES AT WWTP THROUGH 6/25/2021 TO F	453.00	102593
590-547.000-801.200	COMPUTER	ITRON, INC	MVRS SOFTWARE	1,009.98	
590-547.000-920.400	0505161747 - 101 W GALLOWAY MN	MICH GAS UTILITIES	NATURAL GAS UTILITY - 101 W GALLOWAY MN	1,484.75	87
590-547.000-930.000	REPAIRS & MAINTENANCE	AMERICAN COPPER AND BRASS,	11/4 SXS UNION PVC SCH80	405.62	102313
590-547.000-930.000	REPAIRS & MAINTENANCE	FAMILY FARM & HOME	GLOVE SHEN PVC LINED 14 IN L	153.74	102341
590-547.000-930.000	REPAIRS & MAINTENANCE	GELZER & SON INC	CONCRETE PATCH COMPOUND	11.47	102479
590-547.000-930.000	REPAIRS & MAINTENANCE	GELZER & SON INC	STEEL HANDLE ICE SCRAPER	34.99	102484
590-547.000-930.000	REPAIRS & MAINTENANCE	PERFORMANCE AUTOMOTIVE	VAV. PUMP OIL/DUSTER	66.16	102528
590-547.000-930.900	REPAIRS & MAINT - LABORATORY	GELZER & SON INC	DRAIN OPENER	35.99	102345
Total For Dept 547.000 TREATMENT				14,029.91	
Total For Fund 590 SEWER FUND				135,568.24	
Fund 591 WATER FUND					
Dept 000.000					
591-000.000-123.000	PREPAID EXPENSES	BS&A SOFTWARE	ANNUAL SUPPORT FA, MR, HR, UB, CM, ONLI	1,654.25	102450
591-000.000-123.000	PREPAID EXPENSES	CANNON TECHNOLOGIES INC	ANNUAL YUKON SUPPORT AMI RF 2021 BPU	2,285.50	102451
591-000.000-123.000	PREPAID EXPENSES	SONIT SYSTEMS, LLC	SSL WILDACARD CERTIFICATE 1 YEAR HILLSI	168.75	102570
591-000.000-158.000-213006	CONSTRUCTION WORK IN PROGRESS	DIXON ENGINEERING & INSPEC	MI2020EVb-2498 HILLSDALE,MI	2,150.00	102332
591-000.000-202.100	WCCH	HAYNE, KADEN Z	UB refund for account: 026909	15.82	102348
591-000.000-202.100	WBK1	KEATS, JANINE D	UB refund for account: 021558	11.30	102358
591-000.000-202.100	WCCH	REARICK, ANGELA N	UB refund for account: 030031	11.77	102387
591-000.000-202.100	WCCH	RITCHIE, DANIEL A	UB refund for account: 026714	29.63	102390
591-000.000-202.100	WCCH	CL REAL ESTATE LLC	UB refund for account: 026857	20.10	102454
591-000.000-202.100	WBK1	JONES, JAMES A	UB refund for account: 021648	0.85	102509
591-000.000-202.100	WCCH	PRESTON, CHARLES D	UB refund for account: 030097	21.66	102550
Total For Dept 000.000				6,369.63	
Dept 175.000 ADMINISTRATIVE SERVICES					
591-175.000-715.000	HEALTH AND LIFE INSURANCE	PRIORITY HEALTH	HEALTH INSURANCE GROUP 791487	7,880.14	111
591-175.000-715.000	HEALTH AND LIFE INSURANCE	BLUE CROSS & BLUE SHIELD (	DENTAL & VISION INSURANCE GROUP 0070034	109.72	112
591-175.000-715.000	HEALTH AND LIFE INSURANCE	BLUE CROSS & BLUE SHIELD (	DENTAL & VISION INSURANCE GROUP 0070034	315.36	113
591-175.000-715.000	HEALTH AND LIFE INSURANCE	BLUE CROSS & BLUE SHIELD (	DENTAL & VISION INSURANCE GROUP 0070034	13.82	115
591-175.000-715.000	HEALTH AND LIFE INSURANCE	SUN LIFE ASSURANCE COMPAN\	LIFE & DISABILITY INSURANCE	8.12	118
591-175.000-715.000	HEALTH AND LIFE INSURANCE	SUN LIFE ASSURANCE COMPAN\	LIFE & DISABILITY INSURANCE	60.90	120
591-175.000-715.000	HEALTH AND LIFE INSURANCE	SUN LIFE ASSURANCE COMPAN\	LIFE & DISABILITY INSURANCE	93.38	90
591-175.000-716.000	RETIREMENT	MERS	RETIREMENT CONTRIBUTIONS - 300101	2,921.30	581
591-175.000-721.000	DISABILITY INSURANCE	SUN LIFE ASSURANCE COMPAN\	LIFE & DISABILITY INSURANCE	7.90	118
591-175.000-721.000	DISABILITY INSURANCE	SUN LIFE ASSURANCE COMPAN\	LIFE & DISABILITY INSURANCE	51.65	120
591-175.000-721.000	DISABILITY INSURANCE	SUN LIFE ASSURANCE COMPAN\	LIFE & DISABILITY INSURANCE	129.64	90
591-175.000-726.000	SUPPLIES	ARROW SWIFT PRINTING	#110 BLANK WHITE INDEX 40411	50.31	102314
591-175.000-726.000	SUPPLIES	CURRENT OFFICE SOLUTIONS	STORAGE BOXES	22.37	102329

INVOICE GL DISTRIBUTION REPORT FOR CITY OF HILLSDALE
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GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 591 WATER FUND					
Dept 175.000 ADMINISTRATIVE SERVICES					
591-175.000-726.000	WATER - OFFICE	RUPERT'S CULLIGAN	BOTTLED WATER	5.00	102392
591-175.000-726.000	SUPPLIES	ARROW SWIFT PRINTING	ENVELOPES	149.06	102438
591-175.000-726.000	SUPPLIES	ARROW SWIFT PRINTING	ENVELOPES	128.65	102439
591-175.000-726.000	SUPPLIES	HILLSDALE GARDEN CLUB	CHRISTMAS WREATHS	50.00	102499
591-175.000-801.000	CONTRACTUAL SERVICES	ACD	CHARGES FOR OCTOBER 2021/TELEPHONE/CONI	50.00	102310
591-175.000-801.000	CONTRACTUAL SERVICES	DELAWARE SYSTEMS	PRINT/INSERT/POSTAGE & HANDLING	698.27	102331
591-175.000-801.000	CONTRACTUAL SERVICES	EAST 2 WEST ENTERPRISES, I	CLEANING FOR SEPTEMBER 2021	65.00	102337
591-175.000-801.000	CONTRACTUAL SERVICES	HOOP LAWN & SNOW, LLC	CUT AND TRIM BPU SITES	500.00	102352
591-175.000-801.000	LIVE INTERVIEW - HYDRANT FLUSHIN	MCKIBBIN MEDIA GROUP	LIVE INTERVIEW - HYDRANT FLUSHING, LEAF	25.00	102367
591-175.000-801.000	MONTHLY PROCESSING	ONLINE INFORMATION SERVICE	UTILITY EXCHANGE REPORT - BILLING PERIC	49.32	102377
591-175.000-801.000	CONTRACTUAL SERVICES	UTILITY FINANCIAL SOLUTION	WATER 2021 COS FP RATE STUDY & COMPARI	2,976.25	102415
591-175.000-801.000	CONTRACTUAL SERVICES	MILSOFT	MONTHLY IVR SUPPORT	129.93	102416
591-175.000-801.000	CONTRACTUAL SERVICES	WORKHEALTH-QUINCY, PLLC	PREEMPLOYMENT TESTING	96.50	102421
591-175.000-801.000	CONTRACTUAL SERVICES	MICH DEPT OF ENVIRONMENTAI	2022 FEE - COMMUNITY WATER SUPPLY PROGF	3,183.12	102517
591-175.000-801.000	CONTRACTUAL SERVICES	SAFE TEC COMPLIANCE SYSTEM	STANDARD, GHS, SAFETY/SAFETEC OTIS V2 S	410.00	102565
591-175.000-801.000	CONTRACTUAL SERVICES	WORKHEALTH-QUINCY, PLLC	DOT PHY - FLAUGHER	35.00	102596
591-175.000-801.000	CREDIT CARD PROCESSING FEES	INVOICE CLOUD	SEPT 2021 CREDIT CARD PROCESSING FEES	61.40	580
591-175.000-801.200	TEAMVIEWER	CARD SERVICES CENTER	TEAMVIEWER	76.38	100
591-175.000-801.200	COMPUTER	AMAZON CAPITAL SERVICES, I	GALAXY A3 TABLET COVER & .5AMP FUSES BE	16.87	102312
591-175.000-801.200	COMPUTER	SOUTHERN COMPUTER WAREHOUSE	WD GOLD 8T HARD DRIVES FOR SECONDARY BF	113.53	102571
591-175.000-801.200	COMPUTER	SOUTHERN COMPUTER WAREHOUSE	8 BAY STORAGE DEVICE FOR SECONDARY SYSI	124.68	102572
591-175.000-801.200	ANNUAL PDQ DEPLOY ENTERPRISE	CARD SERVICES CENTER	OCT 2021 CREDIT CARD - MCARTHUR	56.25	103
591-175.000-880.000	COMMUNITY PROMOTION	MCKIBBIN MEDIA GROUP	ADVERTISING	133.75	102367
591-175.000-920.400	0504504154 - 37 MONROE	MICH GAS UTILITIES	NATURAL GAS UTILITY - 37 MONROE	23.71	87
591-175.000-925.000	TELEPHONE	ACD	CHARGES FOR OCTOBER 2021 - WATER TREATM	96.97	102310
591-175.000-925.000	TELEPHONE	BSB COMMUNICATIONS INC	MONTHLY ETHER FAX BILL OCT 2021	14.00	102322
591-175.000-925.000	TELEPHONE	VERIZON WIRELESS	MONTHLY VERIZON BILL BPU 10-13-2021	170.58	102417
591-175.000-930.000	REPAIRS & MAINTENANCE	BRAMAN ROOFING	REPAIRED ROOF OVER OFFICE AND BATHROOM	47.00	102321
Total For Dept 175.000 ADMINISTRATIVE SERVICES				21,150.83	
Dept 543.000 PRODUCTION					
591-543.000-801.000	CONTRACTUAL SERVICES	NORTHERN PUMP & WELL	ANNUAL INSPECTION OF WELLS	2,535.00	102524
591-543.000-930.000	REPAIRS & MAINTENANCE	UTILITIES INSTRUMENTATION	FINISH SETTING UP WONDERWARE AT WATER F	1,620.00	102414
591-543.000-930.000	REPAIRS & MAINTENANCE	GELZER & SON INC	GALV BUSHING/MALE CONNECTOR/VALVE/RETUF	(5.02)	102476
591-543.000-930.000	REPAIRS & MAINTENANCE	GELZER & SON INC	GLV NIPPLE	2.99	102480
591-543.000-930.000	REPAIRS & MAINTENANCE	GELZER & SON INC	BALL VALVE	11.49	102481
591-543.000-930.000	REPAIRS & MAINTENANCE	GELZER & SON INC	STRT VALVE	12.99	102482
Total For Dept 543.000 PRODUCTION				4,177.45	
Dept 544.000 DISTRIBUTION					
591-544.000-726.800	SUPPLIES - OPERATIONS	GELZER & SON INC	HOLE SAW	9.99	102483
591-544.000-740.000	FUEL AND LUBRICANTS	WATKINS OIL COMPANY	FUEL & LUBRICANTS SEPTEMBER 2021	789.24	102418
591-544.000-801.000	CONTRACTUAL SERVICES	HYDROCORP	MCC 2 YEARS 07/21 - 06/23	1,400.00	102353
591-544.000-801.200	COMPUTER	ITRON, INC	MVRS SOFTWARE	1,049.34	
591-544.000-930.000	REPAIRS & MAINTENANCE	AMERICAN COPPER AND BRASS,	CL GALV NIPPLE/PLASTIC BUSHING	5.65	102313
591-544.000-930.000	REPAIRS & MAINTENANCE	FAMILY FARM & HOME	FUEL LINE 3/32" X 2' TYGON	4.99	102341
591-544.000-930.000	REPAIRS & MAINTENANCE	PERFORMANCE AUTOMOTIVE	STEP DRILL SET/BIT SET	73.17	102380
591-544.000-930.000	REPAIRS & MAINTENANCE	USABLUEBOOK	GIL HYDRANT DIFFUSER	144.53	102413
591-544.000-930.000	REPAIRS & MAINTENANCE	AMAZON CAPITAL SERVICES, I	TONER/HUSQ GAS GRINDER/DIAMOND BLADES	1,065.98	102424
591-544.000-930.000	REPAIRS & MAINTENANCE	BECKER & SCRIVENS	CDF FLOWABLE FILL	620.75	102442
591-544.000-930.000	REPAIRS & MAINTENANCE	BILL'S LAWN CARE, LLC	77 WESTWOOD DR APPROACH - REMOVE/REPLAC	1,500.00	102447
591-544.000-930.000	REPAIRS & MAINTENANCE	JONESVILLE LUMBER	BUNDLE WOOD 4' LATHE	30.04	102510
591-544.000-930.000-181005	REPAIRS & MAINTENANCE	SLC METER LLC	SCRAP PLASTIC METER BODY/BRASS METER BC	(135.69)	

INVOICE GL DISTRIBUTION REPORT FOR CITY OF HILLSDALE
 INVOICE ENTRY DATES 10/01/2021 - 10/31/2021
 BOTH JOURNALIZED AND UNJOURNALIZED
 BOTH OPEN AND PAID

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
Fund 591 WATER FUND					
Dept 544.000 DISTRIBUTION					
591-544.000-930.000-181005	REPAIRS & MAINTENANCE	SLC METER LLC	ELLIPTICAL W/TEST PLUG/6" BADGER COMPO	37,640.91	102395
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD SER FERGUSON WOLSELEY CO		LF 1 BALL CURB ST CTS PJ	528.00	102342
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD SER MICHIGAN PIPE & VALVE		1X3/4 COMP CPLG PJ CTS X PJ CTS C44-34-	2,368.14	102371
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD SER RJT CONSTRUCTION		LEAD WATER SERVICE 2021 - 2023: COMPLET	35,212.50	102391
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD SER SLC METER LLC		3/4" QUICK JOINT BALL CURB STOP, MII X	1,097.82	102395
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD SER AMERICAN COPPER AND BRASS,		3/4 X 1 COUPLING X 11	770.00	102428
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD SER BILL'S LAWN CARE, LLC		137 OAK ST SIDEWALK - REMOVE & REPLACE	1,000.00	102448
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD SER ETNA		1' CURB W/MINN PATTERN VALVE	1,390.00	102471
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD SER MICHIGAN PIPE & VALVE		10X1 SADDLE BRZ DBL CC/1 CORP STOP/REPF	1,286.48	102519
Total For Dept 544.000 DISTRIBUTION				87,851.84	
Dept 545.000 PURIFICATION					
591-545.000-727.200	SUPPLIES - SODIUM HYPOCHLORITE	UNIVAR SOLUTIONS USA INC	SOD HYPO 12.5% LIQUICHLOR	1,300.19	102410
591-545.000-727.200	SUPPLIES - SODIUM HYPOCHLORITE	ENVIRONMENTAL MANAGEMENT & CARUS	CARUS 1100 - 5 GAL PAIL/UPS CHARGE	124.68	102470
591-545.000-727.200	SUPPLIES - SODIUM HYPOCHLORITE	UNIVAR SOLUTIONS USA INC	SOD HYPO LIQUICHLOR	1,050.00	102589
591-545.000-801.000	CONTRACTUAL SERVICES	SAFETY SYSTEMS, INC	WATER PLANT MONTHLY MONITORING/SEPTEMBE	90.00	102393
591-545.000-930.000	REPAIRS & MAINTENANCE	CLARK ELECTRIC INC.	SUPPLIES FOR WATER PLANT	3,930.40	102326
591-545.000-930.000	REPAIRS & MAINTENANCE	GELZER & SON INC	METAL FLUSH LEVER	5.29	102345
591-545.000-930.000	REPAIRS & MAINTENANCE	SAFETY SYSTEMS, INC	WATER PLANT UPGRADING CURRENT ALARM SYS	1,835.00	102393
591-545.000-930.000	REPAIRS & MAINTENANCE	AMAZON CAPITAL SERVICES, I	TEST PAPER STRIPS PH TEST STRIPS ROLL	9.99	102425
591-545.000-930.000	REPAIRS & MAINTENANCE	DETROIT PUMP	HOUSING/ROTOR/ROTOR PUMP FOOT/O-RING/BE	415.33	102464
591-545.000-930.000	REPAIRS & MAINTENANCE	USABLUEBOOK	LMI REPAIR KIT RPM-919	156.38	102592
Total For Dept 545.000 PURIFICATION				8,917.26	
Total For Fund 591 WATER FUND				128,467.01	

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INVOICE GL DISTRIBUTION REPORT FOR CITY OF HILLSDALE
INVOICE ENTRY DATES 10/01/2021 - 10/31/2021
BOTH JOURNALIZED AND UNJOURNALIZED
BOTH OPEN AND PAID

GL Number	Invoice Line Desc	Vendor	Invoice Description	Amount	Check #
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Fund Totals:

Fund 582 ELECTRIC FUND	933,140.65
Fund 590 SEWER FUND	135,568.24
Fund 591 WATER FUND	128,467.01
Total For All Funds:	<u>1,197,175.90</u>

To: BPU Board
From: Karen Lancaster, Interim Finance Director
Date: 11/9/21
Re: September 2021 Financial Review (unaudited data)

Revenues: As of September, approximately 25% of the 2022 budget year is complete. Electric revenues are in line with the average of the five years shown. Sewer and Water revenues are higher than the average of the last five years. Given that revenue is a combination of rates and usage, none of the revenue trends is concerning at this time.

GL NUMBER	DESCRIPTION	BALANCE AS OF 9/30/2017	BALANCE AS OF 9/30/2018	BALANCE AS OF 9/30/2019	BALANCE AS OF 9/30/2020	BALANCE AS OF 9/30/2021	Average	Current YTD Compared to Average
Fund 582 - ELECTRIC FUND								
582-000.000-660.000	RESIDENTIAL SALES	1,222,321.00	1,334,333.00	1,318,107.00	1,444,146.00	1,430,745.00	1,349,930.40	106%
582-000.000-661.000	BUSINESS SALES	375,122.00	367,954.00	369,007.00	367,227.00	377,422.00	371,346.40	102%
582-000.000-662.000	COMMERCIAL SALES	937,768.00	940,244.00	930,791.00	870,424.00	913,579.00	918,561.20	99%
582-000.000-663.000	INDUSTRY SALES	870,675.00	877,040.00	892,111.00	888,766.00	849,984.00	875,715.20	97%
582-000.000-664.000	STREET LIGHT SALES	13,668.00	13,068.00	13,288.00	13,410.00	13,202.00	13,327.20	99%
	Total	3,419,554.00	3,532,639.00	3,523,304.00	3,583,973.00	3,584,932.00		
Fund 590 - SEWER FUND								
590-000.000-660.000	RESIDENTIAL SALES	112,642.00	217,237.00	229,154.00	255,856.00	261,029.00	215,183.60	121%
590-000.000-661.000	BUSINESS SALES	34,162.00	37,615.00	43,473.00	41,431.00	46,827.00	40,701.60	115%
590-000.000-662.000	COMMERCIAL SALES	84,724.00	92,796.00	93,219.00	94,583.00	110,092.00	95,082.80	116%
590-000.000-663.000	INDUSTRY SALES	147,593.00	64,883.00	78,055.00	97,321.00	107,364.00	99,043.20	108%
590-000.000-668.000	APARTMENT SALES	77,214.00	80,688.00	88,522.00	95,869.00	94,029.00	87,264.40	108%
	Total	456,335.00	493,219.00	532,423.00	585,060.00	619,341.00		
Fund 591 - WATER FUND								
591-000.000-660.000	RESIDENTIAL SALES	74,654.00	158,982.00	167,421.00	190,497.00	193,299.00	156,970.60	123%
591-000.000-661.000	BUSINESS SALES	34,665.00	36,573.00	44,184.00	51,139.00	47,066.00	42,725.40	110%
591-000.000-662.000	COMMERCIAL SALES	66,317.00	77,325.00	82,003.00	93,980.00	105,493.00	85,023.60	124%
591-000.000-663.000	INDUSTRY SALES	108,492.00	37,492.00	45,265.00	57,058.00	64,045.00	62,470.40	103%
591-000.000-668.000	APARTMENT SALES	55,095.00	58,095.00	62,970.00	67,665.00	66,467.00	62,058.40	107%
	Total	339,223.00	368,467.00	401,843.00	460,339.00	476,370.00		
Grand Total		\$4,215,112.00	\$4,394,325.00	\$4,457,570.00	\$4,629,372.00	\$4,680,643.00		

Expenses: In the Electric Fund, Distribution expenses are higher than normal due to a large overtime expense in July and tree trimming expense in August. This is due to the storm expenses.

For the Water and Sewer funds, Administrative expenses appear to be trending slightly higher due to higher wages and related expenses. This is not a concern at this time. This early in the fiscal year, the timing of payments appears to artificially lower our costs. This catches up by the end of the year. Sewer Operations are higher than average due to a sewer main repair. Sewer Treatment is higher than average due to higher depreciation expense as a result of the capitalization of wastewater treatment plant improvements in the prior year. Water Distribution is higher than average due to higher repairs and maintenance costs.

GL NUMBER	DESCRIPTION	BALANCE AS OF 9/30/2017	BALANCE AS OF 9/30/2018	BALANCE AS OF 9/30/2019	BALANCE AS OF 9/30/2020	BALANCE AS OF 9/30/2021	Average	Current YTD Compared to Average
Fund 582 - ELECTRIC FUND								
Dept 175.000 -	ADMINISTRATIVE SERVICES	428,909.00	373,108.00	379,392.00	399,833.00	387,812.00	393,810.80	98%
Dept 543.000 -	PRODUCTION	2,532,314.00	2,461,187.00	2,465,346.00	2,564,897.00	2,500,549.00	2,504,858.60	100%
Dept 544.000 -	DISTRIBUTION	359,029.00	372,553.00	331,795.00	316,275.00	624,631.00	400,856.60	156%
	Total	3,320,252.00	3,206,848.00	3,176,533.00	3,281,005.00	3,512,992.00		
Fund 590 - SEWER FUND								
Dept 175.000 -	ADMINISTRATIVE SERVICES	120,470.00	139,593.00	140,105.00	137,144.00	156,793.00	138,821.00	113%
Dept 546.000 -	OPERATIONS	67,442.00	48,225.00	46,329.00	39,763.00	149,243.00	70,200.40	213%
Dept 547.000 -	TREATMENT	92,159.00	155,896.00	117,917.00	151,880.00	187,623.00	141,095.00	133%
	Total	280,071.00	343,714.00	304,351.00	328,787.00	493,659.00		
Fund 591 - WATER FUND								
Dept 175.000 -	ADMINISTRATIVE SERVICES	102,992.00	92,006.00	88,543.00	94,695.00	127,238.00	101,094.80	126%
Dept 543.000 -	PRODUCTION	22,606.00	35,009.00	19,737.00	21,760.00	18,664.00	23,555.20	79%
Dept 544.000 -	DISTRIBUTION	93,381.00	121,686.00	99,112.00	129,532.00	128,957.00	114,533.60	113%
Dept 545.000 -	PURIFICATION	45,195.00	50,546.00	64,190.00	75,437.00	86,253.00	64,324.20	134%
	Total	264,174.00	299,247.00	271,582.00	321,424.00	361,112.00		
Grand Total		\$3,864,497.00	\$3,849,809.00	\$3,752,466.00	\$3,931,216.00	\$4,367,763.00		

Cash: The cash positions have declined slightly when compared to 6/30/2020 and 6/30/2021. It is important to note that many factors influence cash at any point in time and a decline in cash is not necessarily negative. The balance sheet as a whole, gives a better picture of financial health.

Cash checking/investment	6/30/2020	6/30/2021	9/30/2021
Electric 582	8,989,771	8,853,306	8,819,343
Sewer 590	1,779,124	1,770,040	1,892,652
Water 591	804,433	679,575	249,843
	<u>11,573,328</u>	<u>11,302,921</u>	<u>10,961,838</u>

REVENUE AND EXPENDITURE REPORT FOR CITY OF HILLSDALE
 PERIOD ENDING 09/30/2021
 % Fiscal Year Completed: 25.21

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE		ACTIVITY FOR MONTH 09/30/21	AVAILABLE BALANCE		% BDGT USED
		06/30/2021	2021-22	09/30/2020	09/30/2021		NORM (ABNORM)	NORM (ABNORM)	
Fund 582 - ELECTRIC FUND									
Revenues									
582-000.000-426.000	INTERDEPARTMENTAL REVENUE	236,609.33	237,078.00	59,725.04	53,525.97	18,765.59	183,552.03	22.58	
582-000.000-546.019	STATE GRANT - COVID 19	3,120.65	0.00	0.00	0.00	0.00	0.00	0.00	
582-000.000-569.000	STATE GRANT	713.25	0.00	0.00	0.00	0.00	0.00	0.00	
582-000.000-660.000	RESIDENTIAL SALES	4,815,291.53	4,785,280.00	1,444,146.45	1,430,744.80	488,846.76	3,354,535.20	29.90	
582-000.000-661.000	BUSINESS SALES	1,346,806.04	1,294,568.00	367,226.76	377,422.00	131,764.56	917,146.00	29.15	
582-000.000-662.000	COMMERCIAL SALES	3,103,426.74	2,897,551.00	870,424.16	913,579.70	318,582.61	1,983,971.30	31.53	
582-000.000-663.000	INDUSTRY SALES	3,335,639.50	3,108,746.00	888,766.24	849,984.42	276,070.01	2,258,761.58	27.34	
582-000.000-664.000	STREET LIGHT SALES	54,196.07	53,578.00	13,410.25	13,201.73	4,389.77	40,376.27	24.64	
582-000.000-665.000	INTEREST	72,312.08	51,714.00	8,009.41	30,073.49	2,281.14	21,640.51	58.15	
582-000.000-665.100	CHANGE IN INVESTMENTS	(11,814.67)	0.00	(1,772.88)	(10,433.44)	(6,797.91)	10,433.44	100.00	
582-000.000-669.000	LATE CHARGES	29,475.57	30,000.00	6,958.97	9,986.26	4,004.74	20,013.74	33.29	
582-000.000-670.001	GAIN (LOSS) ON MSCPA INVESTMEN	607,780.00	0.00	0.00	0.00	0.00	0.00	0.00	
582-000.000-673.001	GAIN ON SALE OF PROPERTY	13,325.00	0.00	0.00	0.00	0.00	0.00	0.00	
582-000.000-691.000	INVENTORY ADJUSTMENT	(3,466.49)	0.00	0.00	0.00	0.00	0.00	0.00	
582-000.000-692.001	OTHER REVENUE - MISC OPERATING	127,160.53	120,000.00	36,435.62	19,710.17	6,978.48	100,289.83	16.43	
582-000.000-693.000	MISC NON-OPERATING INCOME	17,198.79	30,000.00	3,279.76	3,683.71	1,179.25	26,316.29	12.28	
582-000.000-694.000	CASH OVER & (SHORT)	134.34	0.00	67.23	199.70	0.00	(199.70)	100.00	
TOTAL REVENUES		13,747,908.26	12,608,515.00	3,696,677.01	3,691,678.51	1,246,065.00	8,916,836.49	29.28	
Expenditures									
582-175.000-702.000	WAGES	270,324.96	300,000.00	73,576.65	63,259.33	29,328.95	236,740.67	21.09	
582-175.000-703.000	OVERTIME PAY	8,364.09	6,000.00	475.27	1,831.36	541.75	4,168.64	30.52	
582-175.000-704.000	SICK TIME PAY	21,872.59	31,000.00	3,613.18	6,702.74	4,569.28	24,297.26	21.62	
582-175.000-705.000	VACATION TIME PAY	60,294.11	64,000.00	14,642.20	19,408.80	7,753.58	44,591.20	30.33	
582-175.000-706.000	PERSONAL TIME PAY	10,461.50	11,500.00	594.73	1,121.73	870.91	10,378.27	9.75	
582-175.000-707.000	LONGEVITY PAY	10,599.96	10,380.00	0.00	0.00	0.00	10,380.00	0.00	
582-175.000-710.000	HOLIDAY AND OTHER PAY	41,380.76	40,000.00	9,876.03	8,582.36	4,551.64	31,417.64	21.46	
582-175.000-715.000	HEALTH AND LIFE INSURANCE	185,090.25	170,252.00	49,285.95	46,436.25	29,377.56	123,815.75	27.28	
582-175.000-716.000	RETIREMENT	590,584.20	163,000.00	26,664.43	47,987.58	17,414.21	115,012.42	29.44	
582-175.000-717.000	WORKERS' COMPENSATION	6,166.67	10,000.00	1,541.10	1,514.55	504.85	8,485.45	15.15	
582-175.000-720.000	EMPLOYER'S FICA	28,519.03	35,410.00	7,012.23	7,304.17	3,413.85	28,105.83	20.63	
582-175.000-721.000	DISABILITY INSURANCE	3,962.08	4,583.00	1,213.95	1,149.33	383.11	3,433.67	25.08	
582-175.000-725.100	MISCELLANEOUS FRINGE EXPENSE	(311,368.61)	(325,000.00)	(67,436.97)	(89,496.90)	(37,710.70)	(235,503.10)	27.54	
582-175.000-726.000	SUPPLIES	14,562.44	23,500.00	1,440.78	4,343.26	1,622.44	19,156.74	18.48	
582-175.000-726.007-CVD-19	SUPPLIES - COVID 19	6,786.24	0.00	210.97	0.00	0.00	0.00	0.00	
582-175.000-726.202	SUPPLIES - COMPUTER	164.46	0.00	164.46	0.00	0.00	0.00	0.00	
582-175.000-801.000	CONTRACTUAL SERVICES	78,817.27	63,063.00	15,446.08	13,661.60	4,341.80	49,401.40	21.66	
582-175.000-801.200	COMPUTER	29,475.25	20,000.00	7,609.78	7,343.09	3,470.25	12,656.91	36.72	
582-175.000-806.000	LEGAL SERVICES	328.13	5,000.00	28.13	75.00	75.00	4,925.00	1.50	
582-175.000-808.000	AUDITING SERVICES	5,740.00	6,000.00	0.00	0.00	0.00	6,000.00	0.00	
582-175.000-810.000	DUES AND SUBSCRIPTIONS	32,038.61	30,000.00	5,367.07	901.38	217.96	29,098.62	3.00	
582-175.000-820.000	PILOT	761,430.36	743,000.00	215,038.43	215,095.96	73,179.22	527,904.04	28.95	
582-175.000-850.000	INSURANCE	25,227.69	23,387.00	6,009.21	6,509.25	2,169.75	16,877.75	27.83	
582-175.000-861.000	TRAINING & SEMINARS	10,695.78	10,000.00	1,396.80	544.63	0.00	9,455.37	5.45	
582-175.000-861.100	TRAINING & SEMINARS - TEC SERV	0.00	3,000.00	0.00	0.00	0.00	3,000.00	0.00	
582-175.000-862.000	LODGING AND MEALS	215.96	0.00	188.53	865.34	865.34	(865.34)	100.00	
582-175.000-880.000	COMMUNITY PROMOTION	4,841.19	5,000.00	561.32	585.00	292.50	4,415.00	11.70	
582-175.000-905.000	PUBLISHING / NOTICES	(54.12)	0.00	0.00	45.73	0.00	(45.73)	100.00	
582-175.000-920.400	UTILITIES - GAS	4,626.06	2,500.00	234.21	96.04	27.44	2,403.96	3.84	
582-175.000-921.000	INTERDEPARTMENTAL EXPENSE	6,438.00	7,000.00	1,834.00	1,718.00	596.00	5,282.00	24.54	
582-175.000-925.000	TELEPHONE	12,364.63	10,000.00	2,761.47	1,642.55	735.44	8,357.45	16.43	
582-175.000-930.000	REPAIRS & MAINTENANCE	3,567.37	10,000.00	1,340.00	1,241.00	1,241.00	8,759.00	12.41	

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE		ACTIVITY FOR MONTH 09/30/21 INCR (DECR)	AVAILABLE		% BGD USED
		06/30/2021 NORM (ABNORM)	2021-22 AMENDED BUDGET	09/30/2020 NORM (ABNORM)	09/30/2021 NORM (ABNORM)		BALANCE NORM (ABNORM)		
Fund 582 - ELECTRIC FUND									
Expenditures									
582-175.000-955.000	MISCELLANEOUS	(113.00)	0.00	0.00	4.63	0.00	(4.63)	100.00	
582-175.000-957.000	PROPERTY TAXES	21.83	0.00	0.00	0.00	0.00	0.00	0.00	
582-175.000-960.000	BANK FEES	0.00	0.00	0.00	483.85	483.85	(483.85)	100.00	
582-175.000-963.000	WRITE OFF BAD DEBT(S)	262.50	0.00	0.00	743.71	573.71	(743.71)	100.00	
582-175.000-968.000	DEPRECIATION	70,201.22	82,328.00	19,142.95	16,111.07	5,370.33	66,216.93	19.57	
582-175.000-995.101	TRANSFER OUT TO CITY	70,769.17	70,000.00	0.00	0.00	0.00	70,000.00	0.00	
582-543.000-702.000	WAGES	27,696.92	50,000.00	6,066.47	10,460.66	5,296.72	39,539.34	20.92	
582-543.000-703.000	OVERTIME PAY	4,350.53	2,500.00	1,081.31	6,974.78	5,524.02	(4,474.78)	278.99	
582-543.000-704.000	SICK TIME PAY	24.50	0.00	24.50	0.00	0.00	0.00	0.00	
582-543.000-705.000	VACATION TIME PAY	392.00	0.00	392.00	0.00	0.00	0.00	0.00	
582-543.000-710.000	HOLIDAY AND OTHER PAY	394.76	0.00	196.00	19.20	0.00	(19.20)	100.00	
582-543.000-716.000	RETIREMENT	880.14	0.00	0.00	62.15	5.55	(62.15)	100.00	
582-543.000-720.000	EMPLOYER'S FICA	2,387.67	3,825.00	522.52	1,224.08	764.04	2,600.92	32.00	
582-543.000-725.100	MISCELLANEOUS FRINGE EXPENSE	13,689.50	20,000.00	3,702.08	7,396.60	4,015.49	12,603.40	36.98	
582-543.000-726.000	SUPPLIES	2,709.40	4,000.00	66.69	168.66	0.00	3,831.34	4.22	
582-543.000-739.000	PURCHASED POWER	8,743,721.24	8,640,650.00	2,455,972.48	2,354,828.49	1,569,912.31	6,285,821.51	27.25	
582-543.000-739.001	PURCHASE POWER - RATE STABILE.	16,923.00	0.00	0.00	0.00	0.00	0.00	0.00	
582-543.000-740.000	FUEL AND LUBRICANTS	23,246.53	15,000.00	6,170.12	448.12	448.12	14,551.88	2.99	
582-543.000-740.100	FUEL OIL - ENGINE #5	6,903.73	8,000.00	1,655.58	4,526.33	1,307.84	3,473.67	56.58	
582-543.000-740.200	FUEL OIL - ENGINE #6	20,085.48	9,000.00	2,715.87	5,544.32	2,911.01	3,455.68	61.60	
582-543.000-740.300	NATURAL GAS - ENGINE #5	9,934.15	9,000.00	7,216.91	9,171.86	6,438.07	(171.86)	101.91	
582-543.000-740.400	NATURAL GAS - ENGINE #6	31,479.28	9,000.00	7,216.92	9,660.92	6,700.84	(660.92)	107.34	
582-543.000-742.000	CLOTHING / UNIFORMS	1,285.00	1,500.00	275.63	0.00	0.00	1,500.00	0.00	
582-543.000-771.000	INVENTORY ADJUSTMENT	425.61	0.00	0.00	0.00	0.00	0.00	0.00	
582-543.000-801.000	CONTRACTUAL SERVICES	21,487.70	25,000.00	1,763.00	1,876.65	73.38	23,123.35	7.51	
582-543.000-850.000	INSURANCE	69,502.20	67,994.00	17,017.44	17,733.63	5,911.21	50,260.37	26.08	
582-543.000-861.000	TRAINING & SEMINARS	75.70	1,000.00	0.00	0.00	0.00	1,000.00	0.00	
582-543.000-920.400	UTILITIES - GAS	13,402.55	10,000.00	120.69	1,339.58	39.02	8,660.42	13.40	
582-543.000-921.000	INTERDEPARTMENTAL EXPENSE	38,362.00	40,000.00	8,024.00	6,142.00	3,194.00	33,858.00	15.36	
582-543.000-925.000	TELEPHONE	278.65	0.00	0.00	398.21	0.00	(398.21)	100.00	
582-543.000-930.000	REPAIRS & MAINTENANCE	15,910.13	20,000.00	226.71	17,248.17	4,069.59	2,751.83	86.24	
582-543.000-930.050	REPAIRS & MAINT. - ENGINE #5	17,279.18	10,000.00	0.00	6,877.75	6,877.75	3,122.25	68.78	
582-543.000-930.060	REPAIRS & MAINT. - ENGINE #6	7,949.20	10,000.00	0.00	337.42	337.42	9,662.58	3.37	
582-543.000-968.000	DEPRECIATION	168,911.79	214,389.00	44,470.15	38,109.45	12,703.16	176,279.55	17.78	
582-544.000-702.000	WAGES	371,475.26	400,000.00	80,128.83	116,365.56	51,283.45	283,634.44	29.09	
582-544.000-702.019	WAGES - COVID	39,227.45	0.00	0.00	0.00	0.00	0.00	0.00	
582-544.000-703.000	OVERTIME PAY	55,798.44	40,000.00	7,523.27	74,637.71	36,369.64	(34,637.71)	186.59	
582-544.000-704.000	SICK TIME PAY	243.32	0.00	243.32	0.00	0.00	0.00	0.00	
582-544.000-705.000	VACATION TIME PAY	442.40	0.00	442.40	1,660.00	1,328.00	(1,660.00)	100.00	
582-544.000-706.000	PERSONAL TIME PAY	0.00	0.00	0.00	166.00	166.00	(166.00)	100.00	
582-544.000-710.000	HOLIDAY AND OTHER PAY	196.16	0.00	176.96	0.00	0.00	0.00	0.00	
582-544.000-716.000	RETIREMENT	1,525.29	0.00	0.00	1,954.05	958.74	(1,954.05)	100.00	
582-544.000-717.000	WORKERS' COMPENSATION	241.50	0.00	0.00	0.00	0.00	0.00	0.00	
582-544.000-720.000	EMPLOYER'S FICA	33,180.80	33,660.00	6,289.43	13,910.43	6,440.22	19,749.57	41.33	
582-544.000-725.100	MISCELLANEOUS FRINGE EXPENSE	240,741.28	256,715.00	51,704.17	74,026.13	30,049.52	182,688.87	28.84	
582-544.000-726.800	SUPPLIES - OPERATIONS	27,235.45	25,000.00	1,716.82	7,867.13	3,126.13	17,132.87	31.47	
582-544.000-730.000	VEH./EQUIP. MAINT. SUPPLIES	20,327.86	36,000.00	6,358.92	5,626.40	824.83	30,373.60	15.63	
582-544.000-740.000	FUEL AND LUBRICANTS	17,480.62	16,000.00	3,420.78	4,918.66	2,977.61	11,081.34	30.74	
582-544.000-742.000	CLOTHING / UNIFORMS	14,003.39	13,000.00	10.00	133.74	133.74	12,866.26	1.03	
582-544.000-771.000	INVENTORY ADJUSTMENT	5.10	0.00	0.00	0.00	0.00	0.00	0.00	
582-544.000-801.000	CONTRACTUAL SERVICES	31,241.48	25,000.00	5,965.63	11,557.00	5,904.81	13,443.00	46.23	
582-544.000-801.300	TREE TRIMMING	189,268.19	210,000.00	0.00	23,994.18	3,139.50	186,005.82	11.43	
582-544.000-850.000	INSURANCE	38,856.44	35,768.00	8,861.70	10,566.51	3,522.17	25,201.49	29.54	
582-544.000-861.000	TRAINING & SEMINARS	5,199.82	20,000.00	878.69	15,513.53	3,513.53	4,486.47	77.57	

REVENUE AND EXPENDITURE REPORT FOR CITY OF HILLSDALE
 PERIOD ENDING 09/30/2021
 % Fiscal Year Completed: 25.21

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE		ACTIVITY FOR MONTH 09/30/21 INCR (DECR)	AVAILABLE		% BDGT USED
		06/30/2021 NORM (ABNORM)	2021-22 AMENDED BUDGET	09/30/2020 NORM (ABNORM)	09/30/2021 NORM (ABNORM)		BALANCE		
Fund 582 - ELECTRIC FUND									
Expenditures									
582-544.000-921.000	INTERDEPARTMENTAL EXPENSE	8,930.00	9,000.00	1,605.00	1,669.00	533.00	7,331.00		18.54
582-544.000-930.000	REPAIRS & MAINTENANCE	144,818.94	70,000.00	12,487.73	124,491.86	93,568.05	(54,491.86)		177.85
582-544.000-930.546	REPAIRS & MAINANCE - SUBSTATIC	20,075.49	50,000.00	595.54	4,051.00	4,051.00	45,949.00		8.10
582-544.000-968.000	DEPRECIATION	511,463.92	562,611.00	127,865.94	131,521.85	43,840.60	431,089.15		23.38
TOTAL EXPENDITURES		<u>13,096,325.77</u>	<u>12,608,515.00</u>	<u>3,281,005.14</u>	<u>3,512,992.16</u>	<u>2,084,521.10</u>	<u>9,095,522.84</u>		<u>27.86</u>
TOTAL REVENUES		13,747,908.26	12,608,515.00	3,696,677.01	3,691,678.51	1,246,065.00	8,916,836.49		29.28
TOTAL EXPENDITURES		<u>13,096,325.77</u>	<u>12,608,515.00</u>	<u>3,281,005.14</u>	<u>3,512,992.16</u>	<u>2,084,521.10</u>	<u>9,095,522.84</u>		<u>27.86</u>
NET OF REVENUES & EXPENDITURES		651,582.49	0.00	415,671.87	178,686.35	(838,456.10)	(178,686.35)		100.00

REVENUE AND EXPENDITURE REPORT FOR CITY OF HILLSDALE
 PERIOD ENDING 09/30/2021
 % Fiscal Year Completed: 25.21

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		06/30/2021	2021-22	09/30/2020	09/30/2021	MONTH 09/30/21	BALANCE	
		NORM (ABNORM)	AMENDED BUDGET	NORM (ABNORM)	NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	
Fund 590 - SEWER FUND								
Revenues								
590-000.000-426.000	INTERDEPARTMENTAL REVENUE	5,706.22	4,062.00	1,591.83	1,574.11	570.85	2,487.89	38.75
590-000.000-569.000	STATE GRANT	356.63	0.00	0.00	0.00	0.00	0.00	0.00
590-000.000-660.000	RESIDENTIAL SALES	976,269.27	1,051,161.00	255,856.07	261,029.01	89,336.73	790,131.99	24.83
590-000.000-661.000	BUSINESS SALES	174,097.90	177,831.00	41,430.78	46,826.46	16,417.52	131,004.54	26.33
590-000.000-662.000	COMMERCIAL SALES	410,304.44	414,796.00	94,583.16	110,091.59	40,378.29	304,704.41	26.54
590-000.000-663.000	INDUSTRY SALES	399,378.49	393,037.00	97,320.58	107,364.18	37,606.30	285,672.82	27.32
590-000.000-665.000	INTEREST	1,987.63	1,500.00	370.36	1,009.60	319.25	490.40	67.31
590-000.000-665.100	CHANGE IN INVESTMENTS	(48.50)	0.00	0.00	(47.43)	65.72	47.43	100.00
590-000.000-668.000	APARTMENT SALES	367,497.15	392,266.00	95,869.83	94,029.04	32,421.27	298,236.96	23.97
590-000.000-669.000	LATE CHARGES	5,516.75	6,000.00	1,248.55	1,522.01	635.82	4,477.99	25.37
590-000.000-673.001	GAIN ON SALE OF PROPERTY	525.00	0.00	0.00	0.00	0.00	0.00	0.00
590-000.000-691.000	INVENTORY ADJUSTMENT	60.85	0.00	0.00	0.00	0.00	0.00	0.00
590-000.000-692.001	OTHER REVENUE - MISC OPERATING	81,460.08	70,000.00	17,681.18	26,671.41	11,831.97	43,328.59	38.10
590-000.000-693.000	MISC NON-OPERATING INCOME	4,239.69	7,200.00	705.86	1,139.28	440.00	6,060.72	15.82
TOTAL REVENUES		2,427,351.60	2,517,853.00	606,658.20	651,209.26	230,023.72	1,866,643.74	25.86
Expenditures								
590-175.000-702.000	WAGES	142,361.04	134,619.00	20,046.72	43,302.02	15,746.11	91,316.98	32.17
590-175.000-703.000	OVERTIME PAY	387.38	339.00	106.83	828.56	205.48	(489.56)	244.41
590-175.000-704.000	SICK TIME PAY	4,778.42	5,255.00	1,066.11	1,002.64	609.59	4,252.36	19.08
590-175.000-705.000	VACATION TIME PAY	20,145.62	20,544.00	7,644.45	5,434.88	1,247.31	15,109.12	26.45
590-175.000-706.000	PERSONAL TIME PAY	3,836.88	4,202.00	545.19	723.52	346.82	3,478.48	17.22
590-175.000-707.000	LONGEVITY PAY	3,100.03	3,224.00	0.00	0.00	0.00	3,224.00	0.00
590-175.000-710.000	HOLIDAY AND OTHER PAY	16,298.05	13,456.00	3,047.48	3,001.47	1,548.36	10,454.53	22.31
590-175.000-715.000	HEALTH AND LIFE INSURANCE	79,073.27	68,358.00	19,493.01	18,470.52	14,119.12	49,887.48	27.02
590-175.000-716.000	RETIREMENT	109,165.74	76,000.00	9,864.66	15,576.87	5,022.70	60,423.13	20.50
590-175.000-717.000	WORKERS' COMPENSATION	2,134.82	4,147.00	845.88	502.53	167.51	3,644.47	12.12
590-175.000-720.000	EMPLOYER'S FICA	13,811.25	13,895.00	2,143.67	3,763.77	1,351.58	10,131.23	27.09
590-175.000-721.000	DISABILITY INSURANCE	1,461.19	1,510.00	438.45	388.95	129.65	1,121.05	25.76
590-175.000-725.100	MISCELLANEOUS FRINGE EXPENSE	(116,150.49)	(120,000.00)	(27,678.32)	(24,152.91)	(13,636.30)	(95,847.09)	20.13
590-175.000-726.000	SUPPLIES	6,506.44	12,000.00	662.30	2,098.41	766.70	9,901.59	17.49
590-175.000-726.007-CVD-19	SUPPLIES - COVID 19	1,054.74	0.00	244.00	0.00	0.00	0.00	0.00
590-175.000-726.202	SUPPLIES - COMPUTER	82.24	0.00	82.24	0.00	0.00	0.00	0.00
590-175.000-730.039	BPU VEHICLE MAINT/SUPPLIES	1,812.50	2,000.00	0.00	0.00	0.00	2,000.00	0.00
590-175.000-801.000	CONTRACTUAL SERVICES	38,214.92	30,000.00	5,304.03	6,213.72	2,166.80	23,786.28	20.71
590-175.000-801.200	COMPUTER	15,556.90	10,000.00	3,991.43	3,627.47	1,735.04	6,372.53	36.27
590-175.000-806.000	LEGAL SERVICES	505.31	2,000.00	14.06	37.50	37.50	1,962.50	1.88
590-175.000-808.000	AUDITING SERVICES	2,870.00	3,500.00	0.00	0.00	0.00	3,500.00	0.00
590-175.000-810.000	DUES AND SUBSCRIPTIONS	4,674.08	10,000.00	690.44	450.69	108.98	9,549.31	4.51
590-175.000-820.000	PILOT	139,695.49	146,000.00	35,103.62	37,160.42	12,969.61	108,839.58	25.45
590-175.000-850.000	INSURANCE	10,544.68	11,361.00	2,684.94	2,539.71	846.57	8,821.29	22.35
590-175.000-861.000	TRAINING & SEMINARS	743.54	3,000.00	(39.37)	0.00	0.00	3,000.00	0.00
590-175.000-861.100	TRAINING & SEMINARS - TEC SERV	0.00	1,500.00	0.00	0.00	0.00	1,500.00	0.00
590-175.000-862.000	LODGING AND MEALS	13.72	200.00	0.00	0.00	0.00	200.00	0.00
590-175.000-880.000	COMMUNITY PROMOTION	2,391.61	2,500.00	280.66	292.50	146.25	2,207.50	11.70
590-175.000-905.000	PUBLISHING / NOTICES	(27.06)	300.00	0.00	47.36	24.50	252.64	15.79
590-175.000-920.400	UTILITIES - GAS	2,335.01	1,100.00	117.11	94.79	13.71	1,005.21	8.62
590-175.000-921.000	INTERDEPARTMENTAL EXPENSE	3,003.00	3,500.00	863.00	805.00	280.00	2,695.00	23.00
590-175.000-925.000	TELEPHONE	4,166.71	4,000.00	813.62	536.09	192.37	3,463.91	13.40
590-175.000-930.000	REPAIRS & MAINTENANCE	1,870.43	5,000.00	670.00	2,072.39	679.55	2,927.61	41.45
590-175.000-960.000	BANK FEES	0.00	0.00	0.00	100.30	100.30	(100.30)	100.00
590-175.000-963.000	WRITE OFF BAD DEBT(S)	131.25	0.00	0.00	371.86	286.86	(371.86)	100.00

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		06/30/2021	2021-22	09/30/2020	09/30/2021	MONTH 09/30/21	BALANCE	
		NORM (ABNORM)	AMENDED BUDGET	NORM (ABNORM)	NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	
Fund 590 - SEWER FUND								
Expenditures								
590-175.000-968.000	DEPRECIATION	8,734.79	9,610.00	2,015.90	2,418.65	806.22	7,191.35	25.17
590-175.000-995.000	DEBT SERVICE - INTEREST	188,230.50	174,500.00	46,082.07	29,083.34	0.00	145,416.66	16.67
590-175.000-995.101	TRANSFER OUT TO CITY	35,384.59	35,000.00	0.00	0.00	0.00	35,000.00	0.00
590-546.000-702.000	WAGES	47,014.51	45,583.00	8,138.17	20,440.74	12,260.55	25,142.26	44.84
590-546.000-702.019	WAGES - COVID	2,064.00	0.00	0.00	163.28	163.28	(163.28)	100.00
590-546.000-703.000	OVERTIME PAY	2,502.74	2,348.00	471.22	1,133.99	553.41	1,214.01	48.30
590-546.000-716.000	RETIREMENT	370.69	0.00	0.00	720.98	499.88	(720.98)	100.00
590-546.000-717.000	WORKERS' COMPENSATION	70.00	0.00	0.00	0.00	0.00	0.00	0.00
590-546.000-720.000	EMPLOYER'S FICA	3,735.66	3,831.00	617.06	1,581.06	950.39	2,249.94	41.27
590-546.000-725.100	MISCELLANEOUS FRINGE EXPENSE	30,302.22	45,000.00	6,667.93	11,043.47	7,288.63	33,956.53	24.54
590-546.000-726.800	SUPPLIES - OPERATIONS	1,496.77	2,000.00	397.28	358.19	91.19	1,641.81	17.91
590-546.000-730.039	BPU VEHICLE MAINT/SUPPLIES	3,975.72	5,500.00	0.00	452.27	0.00	5,047.73	8.22
590-546.000-742.000	CLOTHING / UNIFORMS	2,191.51	3,750.00	0.00	0.00	0.00	3,750.00	0.00
590-546.000-771.000	INVENTORY ADJUSTMENT	286.78	0.00	286.78	0.00	0.00	0.00	0.00
590-546.000-801.000	CONTRACTUAL SERVICES	5,379.58	5,000.00	595.60	519.63	0.00	4,480.37	10.39
590-546.000-850.000	INSURANCE	13,417.48	15,069.00	3,681.42	3,027.33	1,009.11	12,041.67	20.09
590-546.000-861.000	TRAINING & SEMINARS	365.00	2,000.00	0.00	0.00	0.00	2,000.00	0.00
590-546.000-921.000	INTERDEPARTMENTAL EXPENSE	6,442.00	6,000.00	1,259.00	1,375.00	472.00	4,625.00	22.92
590-546.000-925.000	TELEPHONE	0.00	0.00	0.00	87.82	87.82	(87.82)	100.00
590-546.000-930.000	REPAIRS & MAINTENANCE	5,168.08	15,000.00	67.87	250.36	75.00	14,749.64	1.67
590-546.000-930.950	REPAIRS & MAINT. - LIFT STATIC	1,883.37	8,000.00	11.00	1,902.46	1,902.46	6,097.54	23.78
590-546.000-930.960	REPAIRS & MAINT. - SEWER MAINS	131,897.24	225,000.00	0.00	87,325.28	62,945.23	137,674.72	38.81
590-546.000-930.970	REPAIRS & MAINT. - MANHOLES	321.03	5,000.00	26.98	0.00	0.00	5,000.00	0.00
590-546.000-930.980	REPIARS & MAINT. - SERVICE LIN	836.25	1,000.00	0.00	0.00	0.00	1,000.00	0.00
590-546.000-968.000	DEPRECIATION	74,571.39	82,071.00	17,542.67	18,861.80	6,287.27	63,209.20	22.98
590-547.000-702.000	WAGES	112,012.89	124,219.00	22,227.95	21,410.01	8,530.04	102,808.99	17.24
590-547.000-702.019	WAGES - COVID	15,302.72	0.00	0.00	0.00	0.00	0.00	0.00
590-547.000-703.000	OVERTIME PAY	20,661.43	22,684.00	4,456.61	5,512.81	2,678.00	17,171.19	24.30
590-547.000-716.000	RETIREMENT	536.46	0.00	0.00	903.36	414.96	(903.36)	100.00
590-547.000-720.000	EMPLOYER'S FICA	10,030.30	12,271.00	1,793.93	1,865.96	784.89	10,405.04	15.21
590-547.000-725.100	MISCELLANEOUS FRINGE EXPENSE	85,848.27	74,999.00	21,010.39	13,109.44	6,347.67	61,889.56	17.48
590-547.000-726.900	SUPPLIES - LABORATORY	23,801.24	32,000.00	16,653.44	15,065.07	4,862.91	16,934.93	47.08
590-547.000-727.500	SUPPLIES - CHLORINE	2,355.00	5,000.00	1,330.04	3,501.48	0.00	1,498.52	70.03
590-547.000-727.600	SUPPLIES - FERROUS CHLORIDE	15,292.17	20,000.00	2,894.05	0.00	0.00	20,000.00	0.00
590-547.000-727.700	SUPPLIES - DIOXIDE	2,380.14	3,000.00	0.00	360.00	0.00	2,640.00	12.00
590-547.000-727.800	SUPPLIES - MISC. CHEMICALS	0.00	1,000.00	0.00	0.00	0.00	1,000.00	0.00
590-547.000-730.039	BPU VEHICLE MAINT/SUPPLIES	69.97	3,000.00	0.00	165.44	0.00	2,834.56	5.51
590-547.000-740.000	FUEL AND LUBRICANTS	3,565.02	1,700.00	199.09	1,333.65	665.63	366.35	78.45
590-547.000-742.000	CLOTHING / UNIFORMS	293.10	1,500.00	150.00	179.97	0.00	1,320.03	12.00
590-547.000-801.000	CONTRACTUAL SERVICES	128,311.88	106,532.00	13,611.83	14,140.53	2,367.25	92,391.47	13.27
590-547.000-850.000	INSURANCE	13,417.47	15,069.00	3,681.42	3,027.33	1,009.11	12,041.67	20.09
590-547.000-861.000	TRAINING & SEMINARS	453.20	1,500.00	0.00	71.40	71.40	1,428.60	4.76
590-547.000-920.400	UTILITIES - GAS	30,365.26	25,000.00	6,058.29	3,815.03	1,484.75	21,184.97	15.26
590-547.000-921.000	INTERDEPARTMENTAL EXPENSE	79,607.00	90,000.00	21,386.00	21,654.00	7,413.00	68,346.00	24.06
590-547.000-925.000	TELEPHONE	185.04	0.00	0.00	76.92	0.00	(76.92)	100.00
590-547.000-930.000	REPAIRS & MAINTENANCE	29,392.82	40,000.00	6,964.15	3,163.40	1,604.96	36,836.60	7.91
590-547.000-930.900	REPAIRS & MAINT - LABORATORY	1,949.57	2,000.00	0.00	0.00	0.00	2,000.00	0.00
590-547.000-968.000	DEPRECIATION	216,828.40	237,031.00	29,462.93	78,267.33	26,089.13	158,763.67	33.02
TOTAL EXPENDITURES		1,875,849.96	1,983,277.00	328,787.28	493,659.81	206,928.81	1,489,617.19	24.89
TOTAL REVENUES		2,427,351.60	2,517,853.00	606,658.20	651,209.26	230,023.72	1,866,643.74	25.86

REVENUE AND EXPENDITURE REPORT FOR CITY OF HILLSDALE
 PERIOD ENDING 09/30/2021
 % Fiscal Year Completed: 25.21

*NOTE: Available Balance / Pct Budget Used does not reflect amounts encumbered.

GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE		ACTIVITY FOR MONTH 09/30/21 INCR (DECR)	AVAILABLE		% BDGT USED
		06/30/2021 NORM (ABNORM)	2021-22 AMENDED BUDGET	09/30/2020 NORM (ABNORM)	09/30/2021 NORM (ABNORM)		BALANCE NORM (ABNORM)		
Fund 590 - SEWER FUND									
TOTAL EXPENDITURES		<u>1,875,849.96</u>	<u>1,983,277.00</u>	<u>328,787.28</u>	<u>493,659.81</u>	<u>206,928.81</u>	<u>1,489,617.19</u>	<u>24.89</u>	
NET OF REVENUES & EXPENDITURES		<u>551,501.64</u>	<u>534,576.00</u>	<u>277,870.92</u>	<u>157,549.45</u>	<u>23,094.91</u>	<u>377,026.55</u>	<u>29.47</u>	

REVENUE AND EXPENDITURE REPORT FOR CITY OF HILLSDALE
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GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		06/30/2021	2021-22	09/30/2020	09/30/2021	MONTH 09/30/21	BALANCE	
		NORM (ABNORM)	AMENDED BUDGET	NORM (ABNORM)	NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	
Fund 591 - WATER FUND								
Revenues								
591-000.000-426.000	INTERDEPARTMENTAL REVENUE	11,381.81	8,986.00	3,132.03	3,405.35	1,519.22	5,580.65	37.90
591-000.000-569.000	STATE GRANT	356.62	0.00	0.00	0.00	0.00	0.00	0.00
591-000.000-660.000	RESIDENTIAL SALES	713,681.30	764,140.00	190,497.33	193,299.35	66,359.83	570,840.65	25.30
591-000.000-661.000	BUSINESS SALES	160,431.21	165,333.00	51,139.46	47,066.01	16,305.96	118,266.99	28.47
591-000.000-662.000	COMMERCIAL SALES	338,818.10	328,191.00	93,980.22	105,493.24	37,522.50	222,697.76	32.14
591-000.000-663.000	INDUSTRY SALES	232,991.62	234,642.00	57,057.68	64,044.95	22,460.28	170,597.05	27.29
591-000.000-665.000	INTEREST	3,875.48	8,000.00	774.10	802.60	97.64	7,197.40	10.03
591-000.000-665.100	CHANGE IN INVESTMENTS	(2,557.79)	0.00	(656.95)	(1,305.06)	(850.34)	1,305.06	100.00
591-000.000-668.000	APARTMENT SALES	259,516.18	277,139.00	67,664.74	66,466.53	22,913.60	210,672.47	23.98
591-000.000-669.000	LATE CHARGES	3,841.75	4,000.00	849.17	1,065.11	447.34	2,934.89	26.63
591-000.000-673.001	GAIN ON SALE OF PROPERTY	525.00	0.00	0.00	0.00	0.00	0.00	0.00
591-000.000-691.000	INVENTORY ADJUSTMENT	274.38	0.00	0.00	0.00	0.00	0.00	0.00
591-000.000-692.001	OTHER REVENUE - MISC OPERATING	24,215.95	20,000.00	6,635.83	8,361.57	2,756.25	11,638.43	41.81
591-000.000-693.000	MISC NON-OPERATING INCOME	6,144.79	4,000.00	2,425.87	1,499.29	600.00	2,500.71	37.48
TOTAL REVENUES		1,753,496.40	1,814,431.00	473,499.48	490,198.94	170,132.28	1,324,232.06	27.02
Expenditures								
591-175.000-702.000	WAGES	157,446.67	155,028.00	28,034.76	45,692.54	18,101.67	109,335.46	29.47
591-175.000-703.000	OVERTIME PAY	387.16	338.00	106.76	843.71	220.76	(505.71)	249.62
591-175.000-704.000	SICK TIME PAY	8,742.83	5,295.00	1,678.23	2,866.76	2,025.37	2,428.24	54.14
591-175.000-705.000	VACATION TIME PAY	11,028.52	14,133.00	4,491.71	5,795.26	2,349.81	8,337.74	41.01
591-175.000-706.000	PERSONAL TIME PAY	3,291.77	4,118.00	251.52	269.35	124.74	3,848.65	6.54
591-175.000-707.000	LONGEVITY PAY	1,160.01	1,206.00	0.00	0.00	0.00	1,206.00	0.00
591-175.000-710.000	HOLIDAY AND OTHER PAY	16,523.23	13,647.00	2,955.52	2,016.94	861.09	11,630.06	14.78
591-175.000-715.000	HEALTH AND LIFE INSURANCE	75,591.91	62,900.00	21,182.25	21,438.80	15,119.65	41,461.20	34.08
591-175.000-716.000	RETIREMENT	91,183.29	63,000.00	8,783.89	11,459.68	3,452.06	51,540.32	18.19
591-175.000-717.000	WORKERS' COMPENSATION	2,560.61	5,366.00	1,094.46	670.80	223.60	4,695.20	12.50
591-175.000-720.000	EMPLOYER'S FICA	14,163.77	14,823.00	2,624.89	4,055.47	1,655.06	10,767.53	27.36
591-175.000-721.000	DISABILITY INSURANCE	1,419.18	2,013.00	302.85	388.92	129.64	1,624.08	19.32
591-175.000-725.100	MISCELLANEOUS FRINGE EXPENSE	(86,298.57)	(120,000.00)	(24,548.79)	(19,851.60)	(10,113.74)	(100,148.40)	16.54
591-175.000-726.000	SUPPLIES	7,245.64	12,000.00	662.28	2,095.35	766.69	9,904.65	17.46
591-175.000-726.007-CVD-19	SUPPLIES - COVID 19	541.17	0.00	94.99	0.00	0.00	0.00	0.00
591-175.000-726.202	SUPPLIES - COMPUTER	93.95	0.00	93.95	0.00	0.00	0.00	0.00
591-175.000-730.039	BPU VEHICLE MAINT/SUPPLIES	2,570.21	3,000.00	290.03	0.00	0.00	3,000.00	0.00
591-175.000-801.000	CONTRACTUAL SERVICES	45,999.52	40,000.00	6,585.41	6,764.12	2,191.77	33,235.88	16.91
591-175.000-801.200	COMPUTER	15,927.51	10,000.00	3,991.45	4,570.25	1,734.88	5,429.75	45.70
591-175.000-806.000	LEGAL SERVICES	70.31	2,000.00	14.06	37.50	37.50	1,962.50	1.88
591-175.000-808.000	AUDITING SERVICES	2,870.00	3,000.00	0.00	0.00	0.00	3,000.00	0.00
591-175.000-810.000	DUES AND SUBSCRIPTIONS	5,522.07	6,500.00	690.44	450.99	108.98	6,049.31	6.93
591-175.000-820.000	PILOT	102,337.47	106,706.00	27,620.36	28,582.20	9,933.73	78,123.80	26.79
591-175.000-850.000	INSURANCE	7,330.53	7,272.00	1,643.40	1,974.24	658.08	5,297.76	27.15
591-175.000-861.000	TRAINING & SEMINARS	199.92	2,500.00	100.62	95.00	0.00	2,405.00	3.80
591-175.000-861.100	TRAINING & SEMINARS - TEC SERV	0.00	1,500.00	0.00	0.00	0.00	1,500.00	0.00
591-175.000-862.000	LODGING AND MEALS	13.71	0.00	0.00	0.00	0.00	0.00	0.00
591-175.000-880.000	COMMUNITY PROMOTION	2,391.56	2,500.00	280.64	292.50	146.25	2,207.50	11.70
591-175.000-905.000	PUBLISHING / NOTICES	456.95	750.00	0.00	138.81	24.50	611.19	18.51
591-175.000-920.400	UTILITIES - GAS	3,916.70	1,200.00	162.66	94.76	13.71	1,105.24	7.90
591-175.000-921.000	INTERDEPARTMENTAL EXPENSE	3,003.00	3,500.00	863.00	805.00	280.00	2,695.00	23.00
591-175.000-925.000	TELEPHONE	4,356.05	4,000.00	1,000.01	624.40	280.45	3,375.60	15.61
591-175.000-930.000	REPAIRS & MAINTENANCE	2,415.53	5,000.00	1,215.14	2,072.37	679.53	2,927.63	41.45
591-175.000-960.000	BANK FEES	0.00	0.00	0.00	60.52	60.52	(60.52)	100.00
591-175.000-963.000	WRITE OFF BAD DEBT(S)	131.25	0.00	0.00	371.86	286.86	(371.86)	100.00

REVENUE AND EXPENDITURE REPORT FOR CITY OF HILLSDALE
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GL NUMBER	DESCRIPTION	END BALANCE		YTD BALANCE	YTD BALANCE	ACTIVITY FOR	AVAILABLE	% BDGT USED
		06/30/2021	2021-22	09/30/2020	09/30/2021	MONTH 09/30/21	BALANCE	
		NORM (ABNORM)	AMENDED BUDGET	NORM (ABNORM)	NORM (ABNORM)	INCR (DECR)	NORM (ABNORM)	
Fund 591 - WATER FUND								
Expenditures								
591-175.000-968.000	DEPRECIATION	9,306.54	10,239.00	2,158.83	2,561.57	853.85	7,677.43	25.02
591-175.000-995.000	DEBT SERVICE - INTEREST	449.24	0.00	269.55	0.00	0.00	0.00	0.00
591-175.000-995.101	TRANSFER OUT TO CITY	35,384.59	35,000.00	0.00	0.00	0.00	35,000.00	0.00
591-543.000-702.000	WAGES	5,279.25	6,468.00	1,450.82	1,246.32	378.43	5,221.68	19.27
591-543.000-702.019	WAGES - COVID	688.00	0.00	0.00	122.46	122.46	(122.46)	100.00
591-543.000-703.000	OVERTIME PAY	2,124.76	2,242.00	440.84	550.46	171.88	1,691.54	24.55
591-543.000-716.000	RETIREMENT	51.31	0.00	0.00	97.83	47.08	(97.83)	100.00
591-543.000-717.000	WORKERS' COMPENSATION	90.00	0.00	0.00	0.00	0.00	0.00	0.00
591-543.000-720.000	EMPLOYER'S FICA	550.76	721.00	132.37	132.05	46.94	588.95	18.31
591-543.000-725.100	MISCELLANEOUS FRINGE EXPENSE	3,905.95	8,000.00	1,150.58	975.98	478.92	7,024.02	12.20
591-543.000-726.000	SUPPLIES	38.25	0.00	0.00	0.00	0.00	0.00	0.00
591-543.000-801.000	CONTRACTUAL SERVICES	694.00	4,000.00	0.00	2.07	0.00	3,997.93	0.05
591-543.000-850.000	INSURANCE	6,253.57	6,121.00	1,415.40	1,711.44	570.48	4,409.56	27.96
591-543.000-861.000	TRAINING & SEMINARS	70.00	1,000.00	0.00	120.00	0.00	880.00	12.00
591-543.000-921.000	INTERDEPARTMENTAL EXPENSE	31,804.00	30,000.00	7,338.00	5,608.00	1,940.00	24,392.00	18.69
591-543.000-930.000	REPAIRS & MAINTENANCE	3,277.90	5,000.00	2,581.00	1,068.48	1,061.94	3,931.52	21.37
591-543.000-930.800	MAINTENANCE - WELL #8	1,083.12	0.00	665.03	0.00	0.00	0.00	0.00
591-543.000-968.000	DEPRECIATION	26,881.13	29,571.00	6,586.13	7,029.39	2,343.14	22,541.61	23.77
591-544.000-702.000	WAGES	98,408.69	103,858.00	23,337.46	24,695.07	7,047.74	79,162.93	23.78
591-544.000-702.019	WAGES - COVID	7,826.34	0.00	0.00	0.00	0.00	0.00	0.00
591-544.000-703.000	OVERTIME PAY	15,160.64	17,278.00	2,970.03	1,951.84	320.94	15,326.16	11.30
591-544.000-710.000	HOLIDAY AND OTHER PAY	722.44	0.00	249.99	1,284.08	723.68	(1,284.08)	100.00
591-544.000-716.000	RETIREMENT	862.43	0.00	0.00	882.86	328.05	(882.86)	100.00
591-544.000-720.000	EMPLOYER'S FICA	8,983.77	9,790.00	1,960.28	2,031.47	590.55	7,758.53	20.75
591-544.000-725.100	MISCELLANEOUS FRINGE EXPENSE	58,277.88	80,929.00	15,312.53	11,624.73	4,633.00	69,304.27	14.36
591-544.000-726.800	SUPPLIES - OPERATIONS	4,093.10	7,500.00	3,546.90	753.56	260.64	6,746.44	10.05
591-544.000-730.039	BPU VEHICLE MAINT/SUPPLIES	2,534.41	2,000.00	379.61	366.72	0.00	1,633.28	18.34
591-544.000-740.000	FUEL AND LUBRICANTS	4,840.57	5,000.00	843.27	1,333.60	665.58	3,666.40	26.67
591-544.000-742.000	CLOTHING / UNIFORMS	1,563.20	2,750.00	0.00	351.96	191.98	2,398.04	12.80
591-544.000-771.000	INVENTORY ADJUSTMENT	(2,652.09)	0.00	(2,652.09)	0.00	0.00	0.00	0.00
591-544.000-801.000	CONTRACTUAL SERVICES	34,110.18	30,000.00	6,247.42	9,983.25	1,547.00	20,016.75	33.28
591-544.000-850.000	INSURANCE	15,062.16	14,947.00	3,476.40	4,054.71	1,351.57	10,892.29	27.13
591-544.000-861.000	TRAINING & SEMINARS	50.00	1,500.00	(320.00)	947.12	377.12	552.88	63.14
591-544.000-921.000	INTERDEPARTMENTAL EXPENSE	2,699.00	2,500.00	404.00	825.00	292.00	1,675.00	33.00
591-544.000-930.000	REPAIRS & MAINTENANCE	86,577.06	70,000.00	8,714.33	22,488.33	5,517.17	47,511.67	32.13
591-544.000-930.990	REPAIRS & MAINTENANCE - LEAD S	205,024.80	300,000.00	32,386.00	11,007.03	6,296.42	288,992.97	3.67
591-544.000-968.000	DEPRECIATION	132,184.74	146,519.00	32,676.11	34,375.56	11,458.53	112,143.44	23.46
591-545.000-702.000	WAGES	41,498.96	62,216.00	11,272.96	10,382.74	5,818.21	51,833.26	16.69
591-545.000-702.019	WAGES - COVID	190.48	0.00	0.00	0.00	0.00	0.00	0.00
591-545.000-703.000	OVERTIME PAY	7,667.87	11,066.00	1,533.63	2,163.34	1,033.92	8,902.66	19.55
591-545.000-716.000	RETIREMENT	531.05	0.00	0.00	590.58	372.95	(590.58)	100.00
591-545.000-720.000	EMPLOYER'S FICA	3,357.35	5,621.00	910.22	840.67	460.61	4,780.33	14.96
591-545.000-725.100	MISCELLANEOUS FRINGE EXPENSE	24,114.74	31,068.00	8,085.68	7,250.89	5,001.82	23,817.11	23.34
591-545.000-726.000	SUPPLIES	4,197.60	0.00	0.00	0.00	0.00	0.00	0.00
591-545.000-727.100	SUPPLIES - POTASSIUM PERMAGANA	3,564.99	0.00	3,564.99	0.00	0.00	0.00	0.00
591-545.000-727.200	SUPPLIES - SODIUM HYPOCHLORITE	34,380.55	40,000.00	5,141.35	5,930.62	3,118.48	34,069.38	14.83
591-545.000-727.300	SUPPLIES - FLOURIDE	2,998.00	4,500.00	0.00	1,713.90	1,713.90	2,786.10	38.09
591-545.000-727.400	SUPPLIES - PHOSPHATE	12,970.28	18,000.00	4,197.60	4,446.16	4,446.16	13,553.84	24.70
591-545.000-801.000	CONTRACTUAL SERVICES	1,796.92	2,000.00	0.00	2,015.00	1,440.00	(15.00)	100.75
591-545.000-850.000	INSURANCE	6,253.57	6,121.00	1,415.40	1,711.44	570.48	4,409.56	27.96
591-545.000-920.400	UTILITIES - GAS	483.77	3,000.00	51.25	45.59	0.00	2,954.41	1.52
591-545.000-921.000	INTERDEPARTMENTAL EXPENSE	81,189.00	100,000.00	21,867.00	18,850.00	6,139.00	81,150.00	18.85
591-545.000-925.000	TELEPHONE	91.52	0.00	0.00	76.92	0.00	(76.92)	100.00
591-545.000-930.000	REPAIRS & MAINTENANCE	11,587.82	15,000.00	1,658.77	2,747.89	872.85	12,252.11	18.32

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		06/30/2021 NORM (ABNORM)	2021-22 AMENDED BUDGET	09/30/2020 NORM (ABNORM)	09/30/2021 NORM (ABNORM)		BALANCE NORM (ABNORM)		
Fund 591 - WATER FUND									
Expenditures									
591-545.000-968.000	DEPRECIATION	77,858.02	85,088.00	15,738.44	27,487.40	9,162.47	57,600.60		32.30
TOTAL EXPENDITURES		<u>1,623,587.61</u>	<u>1,749,908.00</u>	<u>321,424.57</u>	<u>361,112.28</u>	<u>141,121.10</u>	<u>1,388,795.72</u>		<u>20.64</u>
TOTAL REVENUES		1,753,496.40	1,814,431.00	473,499.48	490,198.94	170,132.28	1,324,232.06		27.02
TOTAL EXPENDITURES		<u>1,623,587.61</u>	<u>1,749,908.00</u>	<u>321,424.57</u>	<u>361,112.28</u>	<u>141,121.10</u>	<u>1,388,795.72</u>		<u>20.64</u>
NET OF REVENUES & EXPENDITURES		129,908.79	64,523.00	152,074.91	129,086.66	29,011.18	(64,563.66)		200.06
TOTAL REVENUES - ALL FUNDS		17,928,756.26	16,940,799.00	4,776,834.69	4,833,086.71	1,646,221.00	12,107,712.29		28.53
TOTAL EXPENDITURES - ALL FUNDS		<u>16,595,763.34</u>	<u>16,341,700.00</u>	<u>3,931,216.99</u>	<u>4,367,764.25</u>	<u>2,432,571.01</u>	<u>11,973,935.75</u>		<u>26.73</u>
NET OF REVENUES & EXPENDITURES		<u>1,332,992.92</u>	<u>599,099.00</u>	<u>845,617.70</u>	<u>465,322.46</u>	<u>(786,350.01)</u>	<u>133,776.54</u>		<u>77.67</u>

Hillsdale Board of Public Utilities
Accounts Receivable Aging Report
September 30, 2021

	<u>Amount</u>	<u>Number of Accounts</u>
Current	\$1,168,583.32	4153
Less than 30 Days	\$94,765.20	876
30 Days	\$35,501.12	353
60 Day	\$10,002.43	123
90 Day	\$16,279.30	114
180 + Days	\$131,252.57	591
Total Accounts Receivable	<u>\$1,456,383.94</u>	<u>6210</u>

**Hillsdale Board of Public Utilities
Capital Projects
Electric Fund (582)
September 30, 2021**

FYE 2021	Project #	Budget	Encumbered	Spent	Balance
Voltage Upgrade	191006	420,949.00	-	6,385.75	414,563.25
Pole Condition Survey/Testing	201008	100,000.00	-	8,733.26	91,266.74
Distribution Expansion & Upgrade	201001	100,000.00	-	37,461.40	62,538.60
Substation Equipment Updates	201002	60,000.00	-	1,291.07	58,708.93
Power Plant Air Tank Replacment		30,000.00	-		30,000.00
Power Plant Intake Air Cooler Replacement		55,000.00	-		55,000.00
Power Plant Electric Room Engineering		20,000.00	-		20,000.00
Moore Rd Substation Improvement Project		1,200,000.00	-		1,200,000.00
		<u>1,985,949.00</u>	<u>-</u>	<u>53,871.48</u>	<u>1,932,077.52</u>

Cash/Investments Availability

Electric Fund (582)

Checking	\$ 3,023,232.73
Huntington Capital Investments	\$ 5,800,381.10
MSCPA Rate Stabilization Fund	\$ 478,089.84
Total Cash/Investments	<u>\$ 9,301,703.67</u>
Reserve Requirement	\$ (2,660,420.00)
Cash available for Capital Projects at 09-30-2021	<u>\$ 6,641,283.67</u>

Electric Cash Reserve Requirements:		Based FYE 2020 Audit Figures	
Cash Flow Criteria	Percentage of item to be held as Cash or Cash equivalent	Yearly Value	Cash Reserve Required
Annual Non Fuel and Annual Non Purchased Power Expenses less depreciation	12.3%	\$ 3,168,271.00	389,697.33
Annual Purchased Power Cost Including Debt	4.7%	\$ 8,324,832.00	391,267.10
Historical Value of Assets	3.0%	\$ 30,621,852.00	918,655.56
Annual Debt Payments Not Included in Purchased Power	100.0%	\$ -	-
Five Year Capital Plan Not Funded By Debt	20.0%	\$ 4,804,000.00	960,800.00
Total Cash Reserve Requirements			2,660,420.00

**Hillsdale Board of Public Utilities
Capital Projects
Sewer Fund (590)
September 30, 2021**

FYE 2021	Project #	Budget	Encumbered	Spent	Balance
Garage Roof Replacement		15,000.00	-	-	15,000.00
Trailer Mounted Trash Pump		15,000.00	-	-	15,000.00
Engineering Lift Station Barber Drive		67,000.00	-	-	67,000.00
Engineering WTP Lift Station Improvements		88,000.00	-	-	88,000.00
Replace MCC in Influent Building		30,000.00	-	-	30,000.00
Tertiary Pump #2		27,000.00	-	-	27,000.00
Brick Façade Repair at the WWTP		54,000.00	-	-	54,000.00
		<u>296,000.00</u>	-	-	<u>296,000.00</u>

Cash/Investments Availability

Sewer Fund (590)

Checking	\$ 689,187.40
Sewer SRF Checking	-
Debt Service	599,532.35
Bond Reserve	603,909.41
Total Cash/Investments	<u>\$ 1,892,629.16</u>
Reserve Requirement	\$ (983,758.96)
Cash available for Capital Projects at 09-30-2021	<u>\$ 908,870.20</u>

<u>Sewer Cash Reserve Requirements:</u>		Based FYE 2020 Audit Figures	
Cash Flow Criteria	Percentage of item to be held as Cash or Cash equivalent	Yearly Value	Cash Reserve Required
Annual operating expenses less depreciation	12.30%	\$ 1,302,628.00	\$ 160,223.24
Historical Value of Assets	0.50%	\$ 15,757,343.00	\$ 78,786.72
Annual debt payments	100%	\$ 389,349.00	\$ 389,349.00
Five Year Capital Plan Not Funded By Debt	20%	\$ 1,777,000.00	\$ 355,400.00
			\$ -
Total Cash Reserve Requirements			\$ 983,758.96

**BPU
Capital Projects
Water Fund (591)
September 30, 2021**

FYE 2021	Project #	Budget	Encumbered	Spent	Balance
Well Maintenance	213002	26,000.00	-	-	26,000.00
Replace Backwash Piping WTP		25,000.00	-	-	25,000.00
Automatic Transfer Switch WTP Generator		40,000.00	-	-	40,000.00
Rebuild High Service Pump		30,000.00	-	-	30,000.00
Water Tower Fiber Communications Connection		9,000.00	-	-	9,000.00
Water Meter, Clamp-On WTP		10,000.00	-	-	
		130,000.00	-	-	130,000.00

Cash/Investments Availability

Water FUND (591)

Checking	\$ (475,764.69)
Huntington Capital Improvement Investment	725,608.45
Total Cash/Investments	\$ 249,843.76
Reserve Requirement	\$ (679,558.00)
Cash available for Capital Projects at 09-30-2021	\$ (429,714.24)

Water Cash Reserve Requirements:		Based FYE 2020 Audit Figures	
Cash Flow Criteria	Percentage of item to be held as Cash or Cash equivalent	Yearly Value	Cash Reserve Required
Annual operating expenses less depreciation	12.30%	\$ 1,374,144.00	\$ 169,019.71
Historical Value of Assets	0.50%	\$ 6,357,858.00	\$ 31,789.29
Annual debt payments	100%	\$ 39,349.00	\$ 39,349.00
Five Year Capital Plan Not Funded By Debt	20%	\$ 2,197,000.00	\$ 439,400.00
			\$ -
Total Cash Reserve Requirements			\$ 679,558.00

City of Hillsdale Board of Public Utilities

Agenda Item Summary

MEETING DATE: November 9, 2021

AGENDA ITEM #: New Business

SUBJECT: Superintendent Pickup Truck

BACKGROUND PROVIDED BY STAFF: Jeff Gier, Superintendent of Water and Sewer

Project Background:

Water and sewer is in need of a new pickup. The newest truck in this department is a 2015 F150 with about 70,000 miles on it. This new truck will be primarily driven by the superintendent but will be made available to water and sewer employees for purpose of out of town training, testing, and any longer trips.

MI Deals does not currently offer the half-ton truck that we are seeking. Therefore, we went out for bid.

One-half of this purchase to be paid from the capital budget for sewer and the other half from capital budget for water.

Company	Total
Feldman Ford	\$33,461.00
Frank Beck Chevy	\$45,105.00
Cronin Dodge	\$46,870.00
Tiles in Style, LLC	\$67,786.00
Stillwell Ford	\$30,803.80*
Varsity Ford	\$31,927.80*

* The bids presented by Varsity and Stillwell Ford did not meet the stated specifications and the quoted pricing was for regular cab trucks instead of the desired extended cab thus they were removed from consideration for this purchase.

RECOMMENDATION:

Staff recommends the BPU Board support award by City Council of this contract to the low bidder, Feldman Ford LLC, Detroit, MI for 2022 Ford F150 in the amount of \$33,461.00. we have contacted Feldman Ford to confirm the vehicle and pricing presented was for the desired extended cab and all other requested specifications.



City of Hillsdale, Michigan

BID SHEET

Project: BPV WATER DEPT. PICK-UP TRUCK

Date: NOVEMBER 3, 2021

Company/Person				TOTAL:
STILLWELL				30,803.80
TILES IN STYLE LLC				67,786.00
VARSITY FORD				31,927.80
FRANK BECK				45,105.00
FEDMAN FORD				33,461.00
CROWIN				46,870.00

PRICING:

All bids will be paid as a cash lump sum in accordance with the submitted proposal.

TRUCK DESCRIPTION W/ VEHICLE YEAR	DELIVERY DATE	COLOR	MILEAGE	TOTAL COST
2022 F-150	2-1-22	ANY	0	\$33461
2022 F-150	2-1-22	ANY	0	\$35686

BEFORE 11/30/21
AFTER 11/30/21

The undersigned, having familiarized (himself/herself) with the Request for Proposal, the bidder shall examine the details of this purchase and shall furnish all necessary materials to complete the purchase outlined in the proposal.

In submitting this proposal, it is understood and agreed by the undersigned that the right is reserved by the City to reject any or all proposals. It is further understood and agreed by the same undersigned that any qualifying statements, or conditions made to the above proposal, as originally published, as well as any interlineations, erasures, omissions, or entered wording obscure as to its meaning, may cause the bid to be declared irregular and may be cause for rejection of the bid.

Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

<u>Addendum Number</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____

Certification Regarding Debarment, Suspension and Other Responsibility Matters—
Primary Covered Transaction

- I. The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or committee; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of

Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification and (d) Have not within a three-year period preceding this application/proposal had one or more public transaction (Federal, State or local) terminated for cause or default.

- II. Where the prospective primary participant is unable to certify to any the statements in this certification, such prospective participant shall attach an explanation to this proposal.

SIGNATURE OF PROPOSER W J McCarthy
TITLE FLEET DEPARTMENT MANAGER
NAME OF COMPANY FELDMAN FORD LLC
ADDRESS 8333 MICHIGAN AVENUE
CITY DETROIT STATE MI ZIP CODE 48210
TELEPHONE 313 584 8733 FAX 313 584 0477
EMAIL bill_mccarthy@hotmail.com DATE 11-1-21

CNGP530

VEHICLE ORDER CONFIRMATION

10/26/21 14:31:47

==>

Dealer: F48017

2022 F-150

Page: 1 of 2

Order No: 9999 Priority: C1 Ord FIN: Q0336 Order Type: 5B Price Level: 215

Ord PEP: 100A Cust/Flt Name: HILLSDALE PO Number:

RETAIL DLR INV

RETAIL DLR INV

X1E F150 4X4 S/C \$39630 \$37847.00 .TRL BRAKE CONTR
163.7" WBASE 627 HD PAYLOAD PKG 1695 1543.00

YZ OXFORD WHITE .LT265/70R18C

C CLOTH 40/20/40 .3.73 ELEC LOCK

S MED DARK SLATE .18" SILVER ALUM

100A EQUIP GRP .EXT RANGE TANK

.XL SERIES 76R REV SENSING SYS 275 251.00

995 5.0L V8 FFV ENG NC NC

44G ELEC 10-SPDAUTO TOTAL BASE AND OPTIONS 47615 44030.80

7850# GVWR XL STD DISCT PEG & TT (500) (455.00)

413 SKID PLATES 160 145.00 TOTAL 47115 43575.80

425 50 STATE EMISS NC NC *THIS IS NOT AN INVOICE*

471 400W OUTLET 290 264.00

50S CRUISE CONTROL 225 205.00 * MORE ORDER INFO NEXT PAGE *

53C MAX TRAILER TOW 1880 1711.00 F8=Next

F1=Help F2=Return to Order F3/F12=Veh Ord Menu

F4=Submit F5=Add to Library

S006 - MORE DATA IS AVAILABLE.

QC052521

CNGP530

VEHICLE ORDER CONFIRMATION

10/26/21 14:32:00

==>

Dealer: F48017

2022 F-150

Page: 2 of 2

Order No: 9999 Priority: C1 Ord FIN: Q0336 Order Type: 5B Price Level: 215

Ord PEP: 100A Cust/Flt Name: HILLSDALE PO Number:

RETAIL DLR INV

RETAIL DLR INV

85A POWER EQUIP GRP \$1170 \$1064.00

96W SPRAY-IN LINER 595 542.00

FLEX FUEL

SP FLT ACCT CR (1249.00)

FUEL CHARGE 12.80

DEST AND DELIV 1695 1695.00

TOTAL BASE AND OPTIONS 47615 44030.80

XL STD DISCT PEG & TT (500) (455.00)

TOTAL 47115 43575.80

THIS IS NOT AN INVOICE

F7=Prev

F1=Help

F2=Return to Order

F3/F12=Veh Ord Menu

F4=Submit

F5=Add to Library

S099 - PRESS F4 TO SUBMIT

QC052521



VERSALIFT MIDWEST, LLC
 51761 Danview Technology Ct.
 Shelby Twp, MI 48315
 Ph: (586) 991-0054
 Fx: (586) 991-0074

Q U O T A T I O N
 =====
 Quote No. J34791

STATE REG NO: P151560
 DEALER LICENSE NUMBER: B6342

Page 1

Customer: 1459
 JORGENSEN FORD
 8333 MICHIGAN AVENUE
 DETROIT, MI 48210-2192

10/27/21: Quote Date
 11/26/21: Expire Date
 N30: Terms
 : Delivery

Contact: BILL MCCARTHY Phone: 313-504-2250 Fax: 313-504-0311

FURNISH AND INSTALL

***CUSTOMER SUPPLIED 2022 FORD F-150

- 1) BUYERS MINI LIGHT BAR #8891060
- 1) BUYERS DRILL FREE LIGHT BAR CAB MOUNT #8895250
 - TO BE LOCATED IN THIRD BRAKE LIGHT LOCATION
- 1) QUAD SWITCH PANEL 6391004
 - ON-OFF ILLUMINATED
 - 10 AMP
 - 4.75"L X 1.625"W X 2.25"T

INSTALLED.....\$1,217.00

QUOTE ACCEPTED AS AN ORDER _____ DATE _____ TRUCK INFO: _____

GOODS ARE SOLD ONLY WITH SUCH WARRANTIES AS MAY BE EXTENDED BY MANUFACTURER OF THE PRODUCT. WE MAKE NO OTHER WARRANTY & THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY. SALES TAX NOT INCLUDED IN ABOVE PRICE.

City of Hillsdale Board of Public Utility Agenda Item Summary

Meeting Date: November 9, 2021

Agenda Item #: New Business

SUBJECT: M-99 Sanitary Sewer Lining

BACKGROUND PROVIDED BY STAFF: Jeff Gier, Superintendent of Water and Sewer
Kristin Bauer, City Engineer

PROJECT BACKGROUND:

In September 2021 the City’s contractor was completing video inspections of pipe sections under M-99 and the camera fell into a void in the bottom of the pipe. This required an opening of the roadway to retrieve the camera and fix the failed pipe section. During this work the adjacent pipe was found to be in fragile condition making the pipe repair connections difficult.

Due to the fragile condition of this sewer pipe the city developed a Request for Proposal (RFP) to utilize a Cured-In Place Pipe System (CIPP) for a 1,500 LF section of 10” sanitary sewer piping under M-99 utilizing unit price costing. There is potential that approximately 500 LF of this sanitary sewer pipe may not be able to be lined due to the condition of the pipe flow line and will require open cut construction to repair.

On October 28, 2021 the city received 2 responses to our advertised bid request, shown below:

BIDDER	SEWER LINING
Insituform Technologies USA, LLC	\$57,793.50
Inland Waters Pollution Control, Inc.	\$96,552.00

RECOMMENDATION:

Staff recommends the BPU Board support award by City Council of this contract to the low bidder, Insituform Technologies of Indianapolis, IN in the amount of \$57,793.50 plus a contingency amount of \$7,206.50 for a total contract amount of \$65,000.00. City staff has worked with Insituform previously and utilized this lining technology, Staff is confident in the contractor to satisfactorily complete this project.



**CITY OF HILLSDALE, MICHIGAN
ADVERTISEMENT FOR BIDS**

The City of Hillsdale is committed to the concept of competitive proposals. All Contractors are encouraged to submit proposals which conform to the stated specifications, or approved equal to the specification, which in the contractor's opinion would be beneficial to the City of Hillsdale in terms of price and performance. The City of Hillsdale reserves the right to accept or reject any proposals under these terms. Contractor's responsiveness, availability and quality of service will be of the utmost importance in this agreement. Any Contractor, who is in default to the City of Hillsdale at the time of submittal, shall have his proposal rejected. The City of Hillsdale reserves the right to clarify any contractual term with the concurrence of the contractor.

PROJECT: Sewer lining of approximately 1,500 LF of 10" diameter sanitary sewer lines using a Cured-in-Place Pipe System (CIPP) on W. Carleton Road (M-99) between Mechanic Road and 411 W. Carleton Road (Arby's) within the City of Hillsdale.

PUBLIC OPENING: October 28, 2021 at 2:00 P.M. Local Time
City Hall — Conference Room
97 N. Broad Street
Hillsdale, MI 49242

**CITY OF HILLSDALE, MICHIGAN
ADVERTISEMENT FOR BIDS**

Sanitary Sewer Lining

The City of Hillsdale is requesting proposals for the following project:

Lining of approximately 1,500 LF of 10" sanitary sewer pipe per these specifications. See the attached map for the project location. The City of Hillsdale can provide, upon request, video of existing pipe for bidding purposes only and not for actual work.

Alternate pricing is being requested in case certain pipe sections are not able to be lined and will require replacement by open cut.

RFP due date/ Public Opening:

Sealed proposals are due by 2:00 pm (local time) on October 28, 2021 at the following location:

Hillsdale City Hall
Office of the City Clerk
97 N. Broad Street
Hillsdale, MI 49242

Proposed Project Schedule:

BPU Board Presentation:	November 9, 2021
City Council Anticipated Award of Contract:	November 15, 2021
Construction Start Date:	Immediately following contract award
Construction Completion Date:	March 31, 2022

Project Location:

The project is located on W. Carleton Road (M-99) between W. Mechanic Road and 411 W. Carleton Rd. (Arby's). The sewer main is within the northbound curb lane of M-99.

General Scope of Work:

Base Bid:

The project consists of sanitary sewer lining utilizing a Cured-in-Place Pipe System (CIPP).

In September 2021 the City's contractor was completing video inspections of pipe sections under M-99 and the camera fell into a void in the bottom of the pipe. This required an opening of the roadway to retrieve the camera and fix the failed pipe section. During this work the adjacent pipe was found to be in fragile condition making the pipe repair connections difficult.

The city is anticipating award of this contract in mid-November and wishes lining work completed in an expedient manner soon after contract award.

PIPE ID	MH ID UP STREAM	MH ID DOWN STREAM	EST. PIPE SIZE	EST. LENGTH
3672	1553	1554	10"	318 LF
3673	1554	1555	10"	176 LF
3674	1555	1556	10"	57 LF
3676	1556	1559	10"	146 LF
3677	1559	1558	10"	201 LF
3678	1558	1560	10"	249 LF
3679	1560	1562	10"	345 LF
TOTAL ESTIMATED PIPE LENGTH:				1,492 LF

All pipe sizes and lengths are estimated and shall be field verified by the successful contractor prior to beginning work. A map of the project area is attached including a map of the areas upstream served by this sanitary sewer section.

This pipe line is estimated to be approximately 6 to 7 feet in depth with the depth at receiving MH 1562 estimated to be 13 feet.

The city will obtain the required permitting for this work through the Michigan Department of Transportation (MDOT). The contractor will be required to provide MDOT approved traffic control for this work per the attached typical lane closure drawing.

ALTERNATE WORK:

Background:

The video survey recently completed of the city's sanitary system under M-99 showed some additional pipe sections that may not have a bottom to the pipe. The areas noted are between manholes 1553 to 1555. From MH 1553 to 1554 the contractor was able to video 16 ft. of the 318 ft. going downstream and from MH 1554 to MH 1555 they were able to video 126 ft. of the 176 ft. going downstream.

As we understand that CIPP lining may not be possible for these areas the City is requesting alternate pricing for a potential "open cut" replacement of the 494 LF of 10" sanitary sewer pipe between MH 1553 and 1555.

The city would prefer to CIPP line these pipe sections rather than complete "open cut" replacement work. The city will entertain any presented alternates and pricing for these pipe sections. Any alternates should be developed and submitted as part of the bid package.

Alternate Scope of Work for “open cut” work:

All work associated with this work shall be in accordance with all applicable sections of the 2012 MDOT Standard Specification for Construction and attached Special Provisions as noted.

- Remove existing MDOT roadway which consists of 2” of Hot Mixed Asphalt (HMA) over 12” of Concrete. Pavement removal shall be full lane width.
- Remove any existing curb and gutter necessary for sewer pipe replacements.
- Provide by-pass pumping of the existing sanitary sewer line to be replaced.
- Construct the new 10” PVC Sanitary Sewer per the applicable sections of the attached sanitary sewer special provision and the MDOT specifications.
- Remove and replace and/or repair the existing flow lines in the existing manholes (MH 1553, MH 1554 and MH 1555) as required to accommodate the new plastic pipe.
- Replace any curb required for removal for construction of the sewer piping.
- Replace the existing MDOT roadway utilizing with 14” of concrete to the traffic surface. The concrete patch shall be doveled into the adjacent concrete pavement sections. All Concrete shall be in accordance with Sections 601 and 602 of the 2012 MDOT Standard Specification. All concrete shall be a high early strength mix.

Instructions to proposers:

- Proposals must be typewritten or clearly printed in ink and signed by a duly authorized representative of the firm submitting the proposal.
- Proposals must be submitted in sealed envelopes, clearly marked on the outside, “Hillsdale City – Sanitary Sewer Lining”
- Proposals will be received by the City Clerk, City Hall, 97 N. Broad Street, Hillsdale, Michigan 49242, at the above required time. All proposals will be date stamped and time marked upon receipt. Proposals may not be faxed or e-mailed.
- No proposal will be accepted after the time designated for the receipt of proposals set forth above. Each bidder shall and will be fully and solely responsible for delivery of the proposal prior to the appointed date and hour designated for the receipt of all proposals, and shall assume the risk of late delivery or non-delivery regardless of the manner the bidder employs for the proposal's delivery or the reason for such late delivery or non-delivery.
- The City of Hillsdale reserves the right to reject any and all proposals and to waive any defects or informalities in proposals, to accept the bid that it determines to be the lowest competitive bid from a competent bidder meeting specifications and to negotiate with the bidder or bidders who, in the judgment of the Hillsdale City Manager, are deemed the most advantageous for the public and the City.
- The City of Hillsdale reserves the right to take other action before a contract is signed or a purchase order is approved; even after City Council accepts or approves the proposal.
- Proposals submitted in response to this invitation shall become the property of the City of Hillsdale and be a matter of public record and available for review.

- Communications regarding this proposal may be directed to:
Kristin Bauer
City Engineer
City of Hillsdale
Hillsdale, MI 49242
517-437-6479
kbauer@cityofhillsdale.org

Conditions applicable to proposal:

- Applicable Laws: The Ordinances and Charter of the City of Hillsdale and laws of the State of Michigan concerning competitive bidding, contracts and purchases will be employed.
- The City of Hillsdale hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids to this invitation and will not be discriminated against on grounds of sex, race, color, age, weight, height, marital status, religion or national origin in the consideration for an award.
- This request for proposal does not commit the City of Hillsdale to award a contract, to pay any costs incurred in the preparation of a response to this request, or to procure or contract for services.
- The City is exempt from the payment of any federal excise or any Michigan sales tax (State of Michigan Sales Tax Exemption number: 38-6004621). The price must be net, exclusive of taxes.

Indemnification:

The Contractor shall indemnify and hold harmless the City of Hillsdale, its council members, city manager, directors, employees and agents from and against all liabilities, claims, demands, causes of action of every kind and descriptions, damages, Losses and Litigation Expenses, including but not limited to attorney's fees through appeals, arising out of or resulting from the performance of work in this contract, providing that any such claim, demand, cause of action, damage, Loss or expense (1) is attributable to bodily injury, disease or death, or to injury to or destruction of property including the loss of use resulting therefrom, and (2) is caused in whole or in part by any negligent act or omission of the Contractor, anyone directly or indirectly employed by the Contractor, or anyone for whose acts for any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. This indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the contractor under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

Insurance:

The Contractor shall, at its own expense, provide for the payment of Worker's Compensation benefits to its employees employed on or in connection with the work covered by this RFP, in accordance with applicable laws and statutorily required.

- The Contractor shall, at its own expense, carry and maintain Comprehensive General Public Liability Insurance with minimum limits of Bodily Injury of \$500,000 per person, \$1,000,000 per accident, \$250,000 per occurrence of property damage and \$2,000,000 Excess Liability. Blanket contractor and completed operations coverage shall be included with the same minimums.
- The Contractor shall, at its own expense, carry and maintain Comprehensive Auto Liability with the same limits as for General Public Liability. Liability coverage shall name City of Hillsdale as an additional insured.
- The Contractor shall likewise require its subcontractors, if any, to provide for such benefits and carry and maintain such insurance at no expense to the City.
- Before commencement on the project contemplated herein, and at any time thereafter upon written request by the City, the Contractor shall furnish the City with a copy of certificates of insurance as evidence that policies providing the required coverage's and limits of insurance are in full force and effect.
- All insurance coverage furnished under this Contract, with the exception of Worker's Compensation and Employer's Liability, shall include the City, and employees as additional insured with respect to the activities of the Contractor and its subcontractors. Any certificate or certificates presented as evidence of insurance shall specify the date when such benefits and insurance expire. The Contractor agrees that said benefits and insurance shall be provided and maintained until after the entire work under the Contract has been performed and accepted. The Contractor shall provide the City at least thirty (30) days advance written notice prior to cancellation, termination, or material alteration of said policies of insurance.

Changes and addenda to proposal documents:

Information of change or addendum issued in relation to this document will be on file and available in the Office of the City Clerk. In addition, to the extent possible, copies will be emailed to each vendor registered as having received a set of documents. It shall be the proposer's responsibility to make inquiry as to the changes or addenda issued. All such changes or addenda shall become part of the contract and all proposers shall be bound by such addenda.

Proposal results:

All proposals submitted in response to this invitation shall become the property of the City of Hillsdale and be a matter of public record available for review. A proposal tabulation will be available for review after the proposal opening.

Anti-Collusion:

Any evidence of agreement or collusion among bidders and/or prospective bidders acting to illegally restrain freedom of competition by agreement to bid fixed prices, or otherwise, will render their offers void.

Bid Bond/ Performance Bond:

Bids must contain the names of every person or company interested therein and shall be accompanied by a Bid Bond in the amount of 5% of the amount bid with satisfactory corporate surety, subject to conditions provided in the Instructions to Bidders. The successful bidder will be required to furnish satisfactory Performance Bond and Maintenance and guarantee Bond in the amount of 100% of the Bid, and Labor and Material Bond in the amount of 50% of the Bid.

PROPOSAL:

All bids will be paid using Unit Prices in accordance with the submitted proposal.

The City of Hillsdale reserves the right to award to reject all bids if it is in the best interest of the City.

Base Bid Pricing:

ITEM DESCRIPTION	EST. QUA NT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS		
Pre-Lining Sewer Cleaning and CCTV, 10-inch	1,492	LF		
By-Pass Pumping	1,492	LF		
10-inch CIPP Sewer Lining	1,492	LF		
Service Reconnections	2	EA		
Traffic Control	1	LS		
GRAND TOTAL:				

Alternate "open cut" Replacement Pricing:

ITEM DESCRIPTION	EST. QUANT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS		
Pav't, Rem (2" HMA over 12" Conc)	670	SY		
Curb, Rem	500	LF		
By-Pass Pumping	494	LF		
Sanitary Sewer, 10 inch, Tr Det B	494	LF		
Manhole Flow Line Repairs	3	EA		
Curb & Gutter, Conc., Det F4	500	LF		
Conc Pavt, Nonreinf, 14 inch (High Early Conc)	670	EA		
Traffic Control	1	LS		
GRAND TOTAL:				

The undersigned, having familiarized (himself/herself) with the Request for Proposal, the bidder shall examine the scope of work to be completed and shall completely familiarize (himself/herself) with existing conditions to be encountered, the difficulties and limitations involved in completing the project and all other factors affecting the work proposed with this project. The Contractor shall provide all necessary labor, transportation, meals, etc. to perform all the work and furnish all necessary material to complete plans outlined in the proposal.

In submitting this proposal, it is understood and agreed by the undersigned that the right is reserved by the City to reject any or all proposals. It is further understood and agreed by the same undersigned that any qualifying statements, or conditions made to the above proposal, as originally published, as well as any interlineations, erasures, omissions, or entered wording obscure as to its meaning, may cause the bid to be declared irregular and may be cause for rejection of the bid.

Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

<u>Addendum Number</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

Certification Regarding Debarment, Suspension and Other Responsibility Matters—
Primary Covered Transaction

- I. The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or committee; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification and (d) Have not within a three-year period preceding this application/proposal had one or more public transaction (Federal, State or local) terminated for cause or default.

- II. Where the prospective primary participant is unable to certify to any the statements in this certification, such prospective participant shall attach an explanation to this proposal.

SIGNATURE OF PROPOSER _____

TITLE _____

NAME OF COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

TELEPHONE _____ FAX _____

EMAIL _____ DATE _____

TECHNICAL SPECIFICATIONS

And

LOCATION MAPS

**CITY OF HILLSDALE
SPECIAL PROVISION
FOR
MOBILIZATION
Page 1 of 1**

DESCRIPTION

This work shall be done in accordance with Section 150 of the MDOT 2012 Standard Specifications for Construction and as specified herein.

CONSTRUCTION

Work shall include the preparatory work and operations including, but not limited to, the following:

- Preparatory work and expenses incurred prior to beginning work onsite.
- Transport materials, personnel, and equipment to the job site.
- Establishment of temporary onsite construction facilities, if required.
- Provided insurance, bonds, and other costs associated with the project in general and not included in other pay items.
- Coordination with property owners.
- All required submittals.

MEASUREMENT AND PAYMENT

This pay item as listed for Mobilization (Max. 5% of Bid Amount) will be paid for at the contract Lump Sum (LS) amount as follows:

PAY ITEM

Mobilization (Max. 5% of Bid Amount)

PAY UNIT

Lump Sum (LS)

- 50% of the Mobilization payment will be made after 5% of the original contract amount is earned and billed.
- Final 50% payment will be made after 25% of the contract amount is earned and billed.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 1 of 11

DESCRIPTION

It is the intent of this special provision to provide for the reconstruction of pipelines and conduits by the installation of a resin-impregnated flexible tube, which is formed to the original conduit by use of a hydrostatic head. The resin is cured using hot water under hydrostatic pressure within the tube. The Cured-In-Place Pipe (CIPP) will be continuous and tight fitting.

REFERENCED DOCUMENTS

This specification references ASTM F1216 (Rehabilitation of pipelines by the inversion and curing of a resin-impregnated tube), ASTM F1743 (Rehabilitation of pipelines by pulled-in-place installation of a cured-in-place thermosetting resin pipe), and ASTM D790 (Test methods for flexural properties of non-reinforced plastics) which are made a part hereof by such reference and shall be the latest edition and revision thereof. In case of conflicting requirements between this specification and these referenced documents, this specification will govern.

PRODUCT, MANUFACTURER, CONTRACTOR QUALIFICATION REQUIREMENTS

Since sewer products are intended to have a 50-year design life, and in order to minimize the Owner's risk, only proven products with substantial successful long term track records will be approved.

Products and Contractors seeking approval must meet all of the following criteria to be deemed Commercially Acceptable:

For a Product to be considered Commercially Proven, a minimum of 1,000,000 linear feet or 4,000 manhole-to-manhole line sections of successful wastewater collection system installations in the U.S. must be documented to the satisfaction of the Owner to assure commercial viability. In addition, at least 100,000 linear feet of the product shall have been in successful service within the State for a minimum of five years.

For a Contractor to be considered as Commercially Proven, the Contractor must satisfy all insurance, financial, and bonding requirements of the Owner, and must have had at least 5 (five) years active experience in the commercial installation of the product bid. In addition, Contractor must have successfully installed at least 500,000 feet of the product bid in wastewater collection systems.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 2 of 11

Field Supervisor/Foreman: Minimum five (5) years as a foreman/superintendent for a cured-in-place lining crew (installing actual product included with this bid/project), and a minimum of 300,000 lineal feet of cured-in-place lining, diameters up to, and including, twenty-three (23) inch.

Ensure the Owner all installed products will meet the minimum product quality control standards set forth by the manufacture, all CIPP liners shall be impregnated by the approved product's licensed installer that is performing the work.

Sewer rehabilitation products submitted for approval must provide Third Party Test Results supporting the long term performance and structural strength of the product and such data shall be satisfactory to the Owner. Test samples shall be prepared so as to simulate installation methods and trauma of the product. No product will be approved without independent third party testing verification.

Both the rehabilitation manufacturing and installation processes shall operate under a quality management system which is third-party certified to ISO 9001. Proof of certification shall be required for approval.

Documentation for products and Contractors may be requested prior to the award of the contract. Please be prepared to submit all product and qualification information upon request.

MATERIALS

Tube - The sewn Tube shall consist of one or more layers of absorbent non-woven felt fabric and meet the requirements of ASTM F1216 or ASTM F1743, Section 5. The tube shall be constructed to withstand installation pressures, have sufficient strength to bridge missing pipe, and stretch to fit irregular pipe sections.

The wet out Tube shall have a uniform thickness that when compressed at installation pressures will meet or exceed the Design thickness.

The Tube shall be sewn to a size that when installed will tightly fit the internal circumference and length of the original pipe. Allowance should be made for circumferential stretching during inversion. Overlapped layers of felt in longitudinal seams that cause lumps in the final product shall not be utilized.

The outside layer of the Tube (before wet out) shall be coated with an impermeable, flexible membrane that will contain the resin and facilitate monitoring of resin saturation during the resin impregnation (wet out) procedure.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 3 of 11

The Tube shall be homogeneous across the entire wall thickness containing no intermediate or encapsulated elastomeric layers. No material shall be included in the Tube that may cause delamination in the cured CIPP. No dry or unsaturated layers shall be evident.

The wall color of the interior pipe surface of CIPP after installation shall be a light reflective color so that a clear detailed examination with closed circuit television inspection equipment may be made.

Seams in the Tube shall be stronger than the non-seamed felt.

The outside of the Tube shall be marked for distance at regular intervals along its entire length, not to exceed 5 ft. Such markings shall include the Manufacturers name or identifying symbol. The tubes must be manufactured in the USA.

Resin - The resin system shall be a corrosion resistant polyester, vinyl ester, or epoxy and catalyst system that when properly cured within the tube composite meets the requirements of ASTM F1216 and ASTM F1743, the physical properties herein, and those which are to be utilized in the Design of the CIPP for this project. The resin shall produce CIPP which will comply with the structural and chemical resistance requirements of this specification.

STRUCTURAL REQUIREMENTS

The CIPP shall be designed as per ASTM F1216, Appendix X.1. The CIPP design shall assume no bonding to the original pipe wall.

The Contractor must have performed long-term testing for flexural creep of the CIPP pipe material installed by his Company. Such testing results are to be used to determine the Long-term, time dependent flexural modulus to be utilized in the product design. This is a performance test of the materials (Tube and Resin) and general workmanship of the installation and curing. A percentage of the instantaneous flexural modulus value (as measured by ASTM D-790 testing) will be used in design calculations for external buckling. The percentage, or the long-term creep retention value utilized, will be verified by this testing. Values in excess of 50% will not be applied unless substantiated by qualified third party test data. The materials utilized for the contracted project shall be of a quality equal to or better than the materials used in the long-term test with respect to the initial flexural modulus used in Design.

**CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 4 of 11**

The Enhancement Factor 'K' to be used in 'Partially Deteriorated' Design conditions shall be assigned a value of 7. Application of Enhancement (K) Factors in excess of 7 shall be substantiated through independent test data.

The layers of the cured CIPP shall be uniformly bonded. It shall not be possible to separate any two layers with a probe or point of a knife blade so that the layers separate cleanly or the probe or knife blade moves freely between the layers. If separation of the layers occurs during testing of field samples, new samples will be cut from the work. Any reoccurrence may cause rejection of the work.

The cured pipe material (CIPP) shall conform to the structural properties, as listed below.

MINIMUM PHYSICAL PROPERTIES

<u>Property</u>	<u>Test Method</u>	<u>Cured Composite min. per ASTM F1216</u>	<u>Cured Composite (400,000 psi Resin)</u>
Modulus of Elasticity	ASTM D-790 (short term)	250,000 psi	400,000 psi
Flexural Stress	ASTM D-790	4,500 psi	4,500 psi

The required structural CIPP wall thickness shall be based as a minimum, on the physical properties listed above and in accordance with the Design Equations in the appendix of ASTM F 1216, and the following design parameters:

Design Safety Factor	= <u>2.0</u>
Retention Factor for Long-Term Flexural Modulus to be used in Design (As determined by Long-Term tests described above)	= <u>1% - 60%</u>
Ovality*	= <u>2%</u>
Enhancement Factor, k	= <u>per above</u>
Groundwater Depth (above invert)	= <u>0 ft.</u>
Soil Depth (above crown)	= <u>6 ft.</u>

**CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 5 of 11**

Soil Modulus	= <u>unknown</u>
Soil Density	= <u>120 pcf</u>
Live Load	= <u>H20 Highway</u>
Design Condition (partially or fully deteriorated) Based on review of video logs, conditions of pipeline can be fully or partially deteriorated.	= <u>***</u>

Refer to the attached Dimensional Ratio table for specific pipe section requirements, based on the pipe condition, depth, ovality, etc. as computed for the conditions shown, using ASTM F 1216 Design Equations.

Any layers of the tube that are not saturated with resin prior to insertion into the existing pipe shall not be included in the structural CIPP wall thickness computation.

TESTING REQUIREMENTS

Chemical Resistance - The CIPP shall meet the chemical resistance requirements of ASTM F1216, Appendix X2. CIPP samples for testing shall be of tube and resin system similar to that proposed for actual construction. It is required that CIPP samples with and without plastic coating meet these chemical testing requirements.

Hydraulic Capacity - Overall, the hydraulic profile shall be maintained as large as possible. The CIPP shall have a minimum of the full flow capacity of the original pipe before rehabilitation. Calculated capacities may be derived using a commonly accepted roughness coefficient for the existing pipe material taking into consideration its age and condition.

CIPP Field Samples - When requested by the Owner, the Contractor shall submit test results from field installations in the USA of the same resin system and tube materials as proposed for the actual installation. These test results must verify that the CIPP physical properties specified the Structural Requirements Section have been achieved in previous field applications. Samples for this project shall be made and tested as described in the inspection section.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 6 of 11

INSTALLATION RESPONSIBILITIES FOR INCIDENTAL ITEMS

It shall be the responsibility of the Owner to locate and designate all manhole access points open and accessible for the work, and provide rights of access to these points. If a street must be closed to traffic because of the orientation of the sewer, the Owner shall institute the actions necessary to do this for the mutually agreed time period. The owner shall also provide free access to water hydrants for cleaning, inversion and other work items requiring water.

Cleaning of Sewer Lines - The Contractor, when required, shall remove all internal debris out of the sewer line that will interfere with the installation of CIPP. The Owner shall also provide a dump site for all debris removed from the sewers during the cleaning operation. Unless stated otherwise, it is assumed this site will be at or near the sewage treatment facility to which the debris would have arrived in absence of the cleaning operation. Any hazardous waste material encountered during this project will be considered as a changed condition.

Bypassing Sewage - The Contractor, when required, shall provide for the flow of sewage around the section or sections of pipe designated for repair. The bypass shall be made by plugging the line at an existing upstream manhole and pumping the flow into a downstream manhole or adjacent system. The pump and bypass lines shall be of adequate capacity and size to handle the flow. The Owner may require a detail of the bypass plan to be submitted.

Inspection of Pipelines - Inspection of pipelines shall be performed by experienced personnel trained in locating breaks, obstacles and service connections by close circuit television. The interior of the pipeline shall be carefully inspected to determine the location of any conditions which may prevent proper installation of CIPP into the pipelines, and it shall be noted so that these conditions can be corrected. A video tape and suitable log shall be kept for later reference by the Owner.

Line Obstructions - It shall be the responsibility of the Contractor to clear the line of obstructions such as solids and roots that will prevent the insertion of CIPP. If pre-installation inspection reveals an obstruction such as a protruding service connection, dropped joint, or a collapse that will prevent the inversion process, that was not evident on the pre-bid video and it cannot be removed by conventional sewer cleaning equipment, then the Contractor shall make a point repair excavation to uncover and remove or repair the obstruction. Such excavation shall be approved in writing by the Owner's representative prior to the commencement of the work and shall be considered as a separate pay item.

**CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 7 of 11**

Public Notification - The Contractor shall make every effort to maintain service usage throughout the duration of the project. In the event that a service will be out of service, the maximum amount of time of no service shall be 8 hours for any property served by the sewer. A public notification program shall be implemented, and shall as a minimum, require the Contractor to be responsible for contacting each home or business connected to the sanitary sewer and informing them of the work to be conducted, and when the sewer will be off-line. The Contractor shall also provide the following:

- A. Written notice to be delivered to each home or business the day prior to the beginning of work being conducted on the section, and a local telephone number of the Contractor they can call to discuss the project or any problem which could arise.
- B. Personal contact with any home or business, which cannot be reconnected within the time stated in the written notice.

The Contractor shall be responsible for confirming the locations of all branch service connections prior to installing and curing the CIPP.

INSTALLATION

CIPP installation shall be in accordance with ASTM F1216, Section 7, or ASTM F1743, Section 6, with the following modifications:

Resin Impregnation - The quantity of resin used for tube impregnation shall be sufficient to fill the volume of air voids in the tube with additional allowances for polymerization shrinkage and the loss of resin through cracks and irregularities in the original pipe wall. A vacuum impregnation process shall be used. To insure thorough resin saturation throughout the length of the felt tube, the point of vacuum shall be no further than 25 feet from the point of initial resin introduction.

After vacuum in the tube is established, a vacuum point shall be no further than 75 feet from the leading edge of the resin. The leading edge of the resin slug shall be as near to perpendicular as possible. A roller system shall be used to uniformly distribute the resin throughout the tube. If the Installer uses an alternate method of resin impregnation, the method must produce the same results. Any alternate resin impregnation method must be proven.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 8 of 11

Tube Insertion – The wet out tube shall be positioned in the pipeline using either inversion or a pull-in method. If pulled into place, a power winch should be utilized and care should be exercised not to damage the tube as a result of pull-in friction. The tube should be pulled-in or inverted through an existing manhole or approved access point and fully extend to the next designated manhole or termination point.

Temperature gauges shall be placed inside the tube at the invert level of each end to monitor the temperatures during the cure cycle.

Curing shall be accomplished by utilizing hot water under hydrostatic pressure or steam in accordance with the manufacturer's recommended cure schedule.

REINSTATEMENT OF BRANCH CONNECTIONS

It is the intent of these specifications that branch connections to buildings be reopened without excavation, utilizing a remote controlled cutting device, monitored by a video TV camera. The Contractor shall certify he has a minimum of 2 complete working cutters plus spare key components on the site before each inversion. Unless otherwise directed by the owner or his authorized representative, all laterals will be reinstated. No additional payment will be made for excavations for the purpose of reopening connections and the Contractor will be responsible for all costs and liability associated with such excavation and restoration work.

INSPECTION

For each work order released, one CIPP sample for each diameter shall be prepared and physical properties tested in accordance with ASTM F1216 or ASTM F1743, Section 8, using either method proposed. The flexural properties must meet or exceed the values listed in Table 1 of the applicable ASTM.

Wall thickness of samples shall be determined as described in paragraph 8.1.6 of ASTM F1743. The minimum wall thickness at any point shall not be less than 87½% of the design thickness as calculated in the Structural Requirements Section of this document.

Visual inspection of the CIPP shall be in accordance with ASTM F1743, Section 8.6.

The Contractor, upon completion of all work, perform a final video inspection of the newly lined sewer to be provided to the owner in digital format for the Owner's records.

**CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 9 of 11**

CLEAN-UP

Upon acceptance of the installation work and testing, the Contractor shall restore the project area affected by the operations to a condition at least equal to that existing prior to the work.

**CIPP WALL THICKNESS
PARTIALLY DETERIORATED DESIGN (PD)**

		Required DR (D / t)			
		Ei = 250,000 psi		Ei = 400,000 psi	
		Ground Water Depth			
Ovality	Range of Depth to invert (feet)	50% Depth	Full Depth	50% Depth	Full Depth
2 % *	4 - 8	78	62	92	73
	8 - 12	69	55	80	64
	12 - 16	62	50	73	58
	16 - 20	58	46	68	54
	20 - 24	55	44	64	51
5 %	4 - 8	72	57	84	67
	8 - 12	63	50	73	58
	12 - 16	57	46	67	53
	16 - 20	53	42	62	49
	20 - 24	50	40	58	47
8 %	4 - 8	66	52	77	61
	8 - 12	58	46	67	54
	12 - 16	52	42	61	49
	16 - 20	49	39	57	45
	20 - 24	46	37	54	43

PD wall thickness varies with the height of the groundwater above the invert of the host pipe. The table assumes the height of the groundwater equal to half or full depth to the pipe invert. The table represents CIPP pipe wall thickness for a host pipe range of 8 to 48 inches. This is a guideline only. Specific calculations should refer to ASTM F-1216, Appendix X.1.

**CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING**

Page 10 of 11

Design Parameters:

Poisson's Ratio = 0.3

Factor of Safety = 2.0

Enhancement Factor = 7

DR = Dimension Ratio = Diameter / thickness $\Rightarrow t = D / DR$

Effective reduction of Ei modulus to approximate effects of creep = 50 %

Ovality % = 100 x (Mean Dia. - Minimum Dia.) / Mean Dia.

- 2% ovality is typically assumed when the host pipe measurements have not been field verified.

**CIPP WALL THICKNESS
FULLY DETERIORATED DESIGN (FD)**

		Required DR (D / t)			
		Ei = 250,000 psi		Ei = 400,000 psi	
		Ground Water Depth			
Ovality	Range of Depth to invert (feet)	50% Depth	Full Depth	50% Depth	Full Depth
2 % *	4 - 8	49	43	58	51
	8 - 12	49	43	58	51
	12 - 16	44	39	52	46
	16 - 20	40	36	47	41
	20 - 24	37	33	44	38
5 %	4 - 8	41	37	48	43
	8 - 12	41	36	48	43
	12 - 16	37	33	44	38
	16 - 20	34	30	40	35
	20 - 24	31	27	37	32
8 %	4 - 8	35	31	40	36
	8 - 12	35	30	41	36
	12 - 16	31	27	37	32
	16 - 20	28	25	33	29
	20 - 24	26	23	31	27

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
CURED-IN-PLACE PIPE (CIPP) LINING
Page 11 of 11

FD wall thickness considers groundwater, soil and live loads upon the CIPP pipe. The table assumes two heights of groundwater, 120-lbs/cu. ft. of soil density and an AASHTO H20 highway load. The table represents CIPP pipe wall thickness for a host pipe range of 8 to 48 inches. This is a guideline only. Specific calculations should refer to ASTM F-1216, Appendix X.1.

Design Parameters:

Factor of Safety = 2.0

DR = Dimension Ratio = Diameter / thickness $\Rightarrow t = D / DR$

Effective reduction of Ei-modulus to approximate effects of creep = 50 %

Soil Modulus = 1,000 psi, assumed for highway loads or depths ≥ 10 feet (all others 700 psi).

Ovality % = 100 x (Mean Dia. - Minimum Dia.) / Mean Dia.

* 2% ovality is typically assumed when the host pipe measurements have not been field verified.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
SANITARY SEWERS

1 of 8

03/18/2020

DESCRIPTION

SUMMARY:

- A. This Section includes work required for sanitary sewers, structures and appurtenant work. Excavation and backfill shall be in accordance with Section 402 of the Michigan Department of Transportation's 2012 *Standard Specifications for Construction* and shall be considered included in the cost of sanitary sewer, sewer lateral and related work.

REFERENCES:

- A. ASTM – American Society of Testing Materials, latest edition.
- B. NCPI - National Clay Pipe Institute.

SUBMITTALS:

- A. Submit the following for review by ENGINEER:
 - 1. Manufacturer's certification of compliance with specified materials.
 - 2. Shop drawings on radius pipe and manholes.
 - 3. Manufacturer's air or vacuum test results on concrete pipe.
 - 4. Proposed equipment and method for leakage testing.
- B. Report the following "as-built" information to ENGINEER:
 - 1. Three (3) witness measurements to end of laterals from permanent fixtures such as building corners, power poles and trees 8-inch diameter and larger.
 - 2. Measurements from wyes or tees to nearest downstream manhole.
 - 3. Invert elevation of end of lateral.
- C. Report presence of underground utilities and drains.
- D. Line and grade control method other than Laser Beam shall be approved by ENGINEER.
- E. Operational Data: Approval of the proposed procedure and schedule for bypassing and point of discharge will be required by OWNER and ENGINEER.

JOB CONDITIONS:

- A. Maintain existing sanitary sewer system operational. At new connections to the existing sewer system, plug the downstream end of the new sewer until the new sewer has been tested and accepted.
- B. Flow Restrictions: Total restriction of wastewater flow is prohibited unless approved in writing by the OWNER.
- C. Do not bypass wastewater to ground or surface waters.
- D. Responsibility: CONTRACTOR is responsible for any damages to private or public property due to sewer backup while controlling or bypassing wastewater flow.
- E. Install service lines as pipe laying progresses and within maximum of 600 feet of mainline sewer installation.
- F. Clean up promptly following pipe installation and within maximum of 400 feet behind pipe laying operation. Clean-up includes backfill and rough grading.

PRODUCTS

PIPE:

- A. Pipe and Fittings:
 - 1. Plastic (PVC) 4" – 15": ASTM D3034 – SDR 35.
 - 2. Plastic (PVC) 18" & larger: ASTM F679 Solid wall.
- B. Service Pipe and Fittings: Provide minimum 6-inch same classification as mainline pipe.
 - 3. Plastic (PVC) ASTM D3034 – SDR35.
- C. Plastic Pipe: Provide seating marks where couplings are used for jointing.
 - 1. Joints: Plastic (PVC) ASTM D3212. Provide rubber "O" ring.
- D. Joint Repair or Connecting to Existing Sewer Pipe of Different Material:
 - i. Provide flexible rubber adapter coupling and stainless steel bands.

MANHOLES:

- A. Manholes shall be water tight precast units unless otherwise specified.
- B. Precast Units: ASTM C76 Class III or ASTM C478 with circular reinforcement, modified for "O" ring gaskets.
 - 1. Pipe Openings: Provide flexible, watertight rubber boot using mechanically compressed flexible joint re-seal, link-seal, Pressure Wedge, Kor-N-Seal or equal. Conform to ASTM C923.
- C. Concrete: 3500 psi 28 day, 4 inch maximum slump.
- D. Concrete Brick: ASTM C55, Grade N-1.

- E. Grade Rings: ASTM C478 with “O” ring gaskets.
- F. Mortar: ASTM C270: 1-part Portland cement, 1 part lime and 3 parts sand by volume.
- G. Manhole Steps:
 - 1. Plastic with $\frac{3}{8}$ -inch steel rod reinforcement conforming to ASTM D2146, Type II.
 - 2. Dimensions: 10-inch deep by 10-inch wide, 5-inch tread depth.
 - 3. Comply with applicable Occupational Safety and Health Administration Standards (OSHA).
- H. Standard Manhole Castings: East Jordan 1045 Cover Q or East Jordan 1046 low profile frame with letter S.
- I. Bituminous Waterproofing: ASTM D449.
- J. Cement Waterproofing: Masonry filler.

EXECUTION

PERFORMANCE:

- A. General: Provide and maintain all bypass pumping equipment and manpower necessary to adequately perform the work.
- B. Isolation of Work Area:
 - 1. Temporarily bypass the wastewater flow from the nearest upstream to the nearest downstream manhole or divert the flow from the nearest upstream manhole to holding tanks.
 - 2. Dispose of waste from holding tank by pumping to nearest downstream manhole or by hauling from site by a licensed waste hauler.

PREPARATION:

- A. Alignment and Grade:
 - 1. Deviations: Notify Engineer and obtain instructions to proceed where there is a grade discrepancy, or an obstruction not shown on the plans.
 - 2. Laser Beam Control: Provide.
 - 3. Check grade: At set-up point, 25-foot, 50-foot, 100-foot and 200-foot points thereafter to the next setup point.
 - 4. Projector advancement: Reset at each manhole.
- B. Bedding:
 - 1. Provide bedding area backfill in accordance with MDOT Standard Plan R-83 series and limited to 1 ½ inch maximum aggregate size.
 - 2. Provide continuous bearing by supporting entire length of pipe barrel evenly.

INSTALLATION:

- A. Laying pipe:
 - 1. Direction shall be upstream with spigot or tongue end downstream and bell end upstream.
 - 2. Joints shall be smooth and clean.
 - 3. Place pipe length and bedding as a unit in a frost free, dry trench.
 - 4. Install PVC pipe in accordance with ASTM 2321 and these specifications.
- B. Jointing:
 - 1. Provide solvents, adhesives and lubricants as furnished by Manufacturer.
 - 2. Gasket position: Confirm that the gasket is in place and that the joint is properly made.
- C. Manholes:
 - 1. General: Article 3.05 SCHEDULES:
 - 2. Base bedding: Provide 4-inch pea stone with full and even bearing in impervious soils or wet conditions. Otherwise provide on undisturbed, frost-free, dry subgrade.
 - 3. Fill joint space completely and trowel between sections of precast units.
 - 4. Provide casting grade setting as follows:
 - a. Existing pavement: Finished grade.
 - b. Gravel or lawn grade: 4 inches below.
 - c. Unpaved areas: Finished grade.
 - 5. Provide waterproofing on ASTM C478 units and cast-in-place manholes using one of the following methods:
 - a. Bituminous: Apply 1 gallon per 100 sq.ft. to outside free of holidays and open pin holes
 - b. Cement: Apply masonry filler to outside by brushing on two (2) coats, each minimum of 2 lbs. per sq. yd.
 - 6. Flow channels:
 - a. Construct with concrete up to spring line of pipe and slope benches toward center of manhole. Trowel smooth.
 - b. Provide clean, smooth, straight flow channels for main line and laterals.
 - c. Provide smooth curvilinear flow channels for turning flows.
 - 7. Casting adjustment: Concrete ring between leveling and top course of bituminous. Match cross slope of top of casting to cross slope of pavement.
 - 8. All sanitary sewer laterals, sewer main, service connections and drop manhole pipes shall have flow channels and shall not discharge onto the surface of the bench. Outside drop connection required for drop of 2 feet or more.
- D. Abandoning and filling existing sanitary sewer and manholes:
 - 1. Pipe: Plug ends of pipe to be abandoned and fill completely with flowable fill.
 - 2. Manhole: Remove top 3 feet of manhole, plug pipe openings and fill manhole to be abandoned with flowable fill.
- E. Connections:
 - 1. Expose existing sanitary sewer and structures to which the new work is to be connected to confirm condition, location and elevation.
 - 2. Connect to existing sanitary manhole by coring an opening adequate to insert prefabricated flexible connection (rubber boot) and secure circumference of pipe.

- a. Relay and repoint loose blocks and bricks on existing block and brick structures. Re-channel flow lines and benches with concrete, trowel smooth.
 3. Future Sanitary Sewer: Provide the following:
 - a. Plug: Pipe 4-inch through 21-inch with standard disc.
 - b. Bulkhead: Pipe 24-inch and larger with brick and mortar and ½ inch plaster coat outside.
 - (1) 24-inch – 36-inch: 4-inch thick.
 - (2) 42-inch – 60-inch: 8-inch thick.
- F. Service Lines:
1. Align at right angles to street or easement line.
 2. Grade: Provide at uniform rate from mainline wye or riser to the property or easement line, at minimum grade 1/4 inch per foot.
 3. Provide minimum depth at street right-of-way line, property line or easement line as follows (based on house with 8-foot ceiling height in basement, length on private property of 100 feet, and minimum grade on private property of 1/8 inch per foot):
 - a. House with basement: 12 feet below first floor elevation or 3 feet below basement elevation, whichever is deeper.
 - b. Commercial and industrial buildings, schools, churches: As determined by Engineer.
 - c. The above depths govern, except that the minimum depth at the right-of-way line or property line shall be 6 feet below street or easement centerline grade unless otherwise permitted by ENGINEER.
 - d. Property line riser excluded from the above minimum depths.
 - e. The minimum depths shown above shall be increased based on actual basement ceiling height and distance away.
 4. Connection fitting:
 - a. Locate as directed by Engineer in field.
 - b. 45° or 60° Wyes: Provide on all pipe except concrete pipe.
 - c. Tees: Allowed only on reinforced concrete pipe.
 5. Main riser will be allowed where cover exceeds 13 feet at mainline.
 6. Plugging: Provide standard plugs or caps securely blocked.
 7. Markers: Place a wood marker (2" x 2" minimum) at end of lateral with sufficient length to extend from invert of lateral to ground surface. Attach a steel rerod 36 inches in length immediately next to the wood marker with the top of the rerod 2 inches below grade. Cover wood marker and steel rerod with 6' long 4" PVC pipe buried 3 feet.
 8. Witnesses: Report the following to the ENGINEER:
 - a. Wyes or Tees: Measurements to nearest downstream manhole.
 - b. End of Laterals: Three (3) measurements to permanent surface features and elevation.
 9. Property line Riser: Required on all laterals.
- G. Bypass Pumping: Provide temporary bypass pumping of wastewater flow as required during construction or replacement of sanitary sewer.

TESTING AND INSPECTION:

- A. General:

1. Observation: By Engineer.
 2. Testing: Perform upon completion and before connecting to active system.
 3. Leakage tests: Provide promptly following installation of sewer pipe including services and keep within maximum 1200 feet behind pipe laying operation.
 4. Notification: Clean, pretest and arrange with ENGINEER for final inspection and test.
 5. Provide necessary equipment, manpower and assistance.
 6. Video televising: Provide prior to paving.
- B. Line and Grade: Allowable drift between structures from proposed alignment will be as follows:
1. Line:
 - a. Through 36-inch: 0.20 foot.
 2. Grade:
 - a. Through 36 inch: 0.02 foot.
 - b. Allowable sag between pipe joints: 5% of pipe diameter with maximum of 1-inch.
 3. Repair sags in excess of tolerance prior to acceptance.
- C. Plastic pipe deformation:
1. Pipe deflection will be limited to five percent (5%) of diameter.
 2. Pull approved nine-pointed mandrel GO, NO-GO type gauge through pipe by hand.
 3. CONTRACTOR shall provide proof ring for GO, NO-GO gauge from the manufacturer.
 4. Schedule: Conduct after final backfill has been in place a minimum of thirty (30) days, and after shutdown of dewatering operation.
 5. Correction: Repair defects and retest until acceptable.
- D. Video Televising:
1. CONTRACTOR shall complete video televising of new sewers that clearly shows the condition of pipe and joints prior to acceptance.
 - a. Sewer and manholes to be televised shall be cleaned completely free of debris prior to televising.
 - b. Identify locations of all laterals.
 2. CONTRACTOR shall provide one copy of televising in CD/DVD format to Engineer.
- E. Leakage Testing:
1. CONTRACTOR shall provide all labor, equipment and supervision to perform exfiltration (water or air) test on all new sewer.
 2. Acceptable leakage will be as follows:
 - a. Water: Less than 100 gallons per inch of pipe diameter per mile of pipe per twenty-four (24) hours.
 - b. Air: Holding time not less than that listed in table.
 3. Correction: Repair defects and repeat test until acceptable.
 - a. Method of repairing defects shall be approved by Engineer.
- F. Exfiltration Test (water):
1. Conditions: Determine groundwater elevation.

2. Procedure:
 - a. Fill system minimum 2 feet above high point of system or 2 feet above groundwater, whichever is higher.
 - b. Leakage: Quantity of water required to maintain constant level.

- G. Exfiltration (air): Perform in accordance with NCPI Publication, "*Low Pressure Air Test for Sanitary sewers*", and in accordance with ASTM F 1417, "*Standard Test Method for Installation Acceptance of Plastic Gravity Sewer Lines Using Low-Pressure Air*".
 1. Condition: Determine groundwater elevation.
 2. Procedure:
 - a. All pressure readings are above the average groundwater head.

ADJUST AND CLEAN

- A. General:
 1. Keep pipe and structures clean as work progresses.

SCHEDULES:

- A. Exfiltration Air Test Table.

MEASUREMENT AND PAYMENT

The completed work, as measured for SANITARY SEWERS will be paid for at the contract unit prices for the following contract items (pay items).

<u>Contract Item (Pay Item)</u>	<u>Pay Unit</u>
Sanitary Sewer, ___ inch, Tr Det ___	Foot
Sanitary Sewer Tap, ___ inch	Each
Sanitary Structure, 48 inch dia	Each
Sanitary Sewer Cap	Each

Sanitary Sewer, ___ inch, Tr Det ___ shall be measured horizontally along pipe centerline and paid by the linear foot, installed and backfilled.

Sanitary Sewer Tap, ___ inch will be measured and paid for by the unit for connection of proposed sewer to existing sewer using a prefabricated flexible connection. Payment includes all labor, materials, excavation and backfill required to make the sewer connection.

Sanitary Structure, 48 inch dia will be measured and paid for by the unit. Includes installation, backfill, and connections to new sewer. The unit price includes the entire structure depth. The unit price includes the cost of cleaning of the new sanitary sewer manhole, and temporary or final grade adjustments of the structure.

Sanitary Structure Cap will be measured and paid for by the unit. Includes the cost of labor and materials to cap the end of the sanitary sewer stub for future extension of the sanitary sewer system. Provide witness measurements to Engineer and Owner from three (3) permanent fixtures such as building corners, power poles and trees 8-inch diameter and larger.

EXFILTRATION AIR TEST

TIME REQUIRED FOR LOSS OF PRESSURE FROM 3.5 PSIG TO 3.0 PSIG FOR SIZE AND LENGTH OF PIPE INDICATED FOR Q = 0.0015 (CU. FT./MIN./SQ.FT. OF INTERNAL SURFACE AREA)

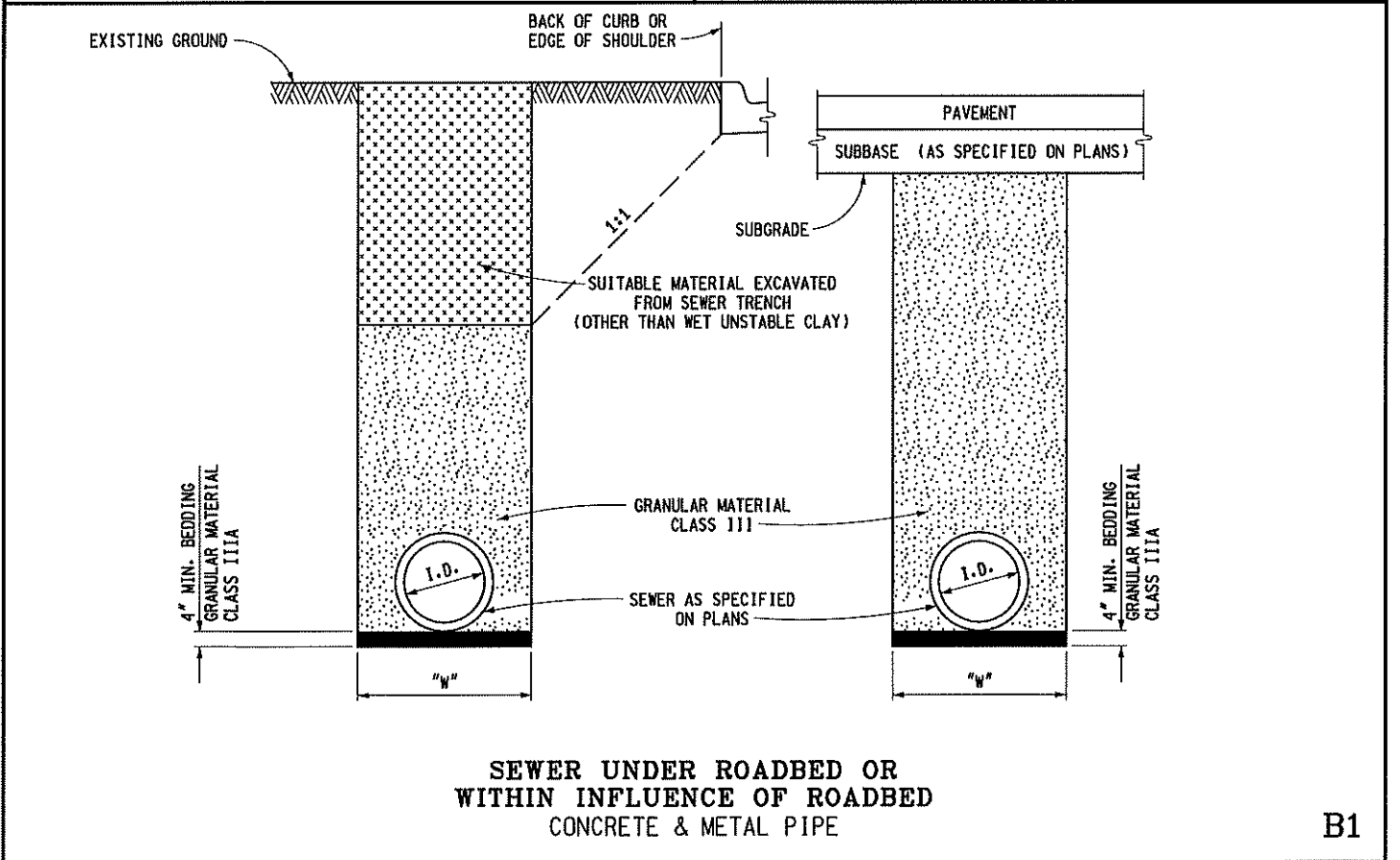
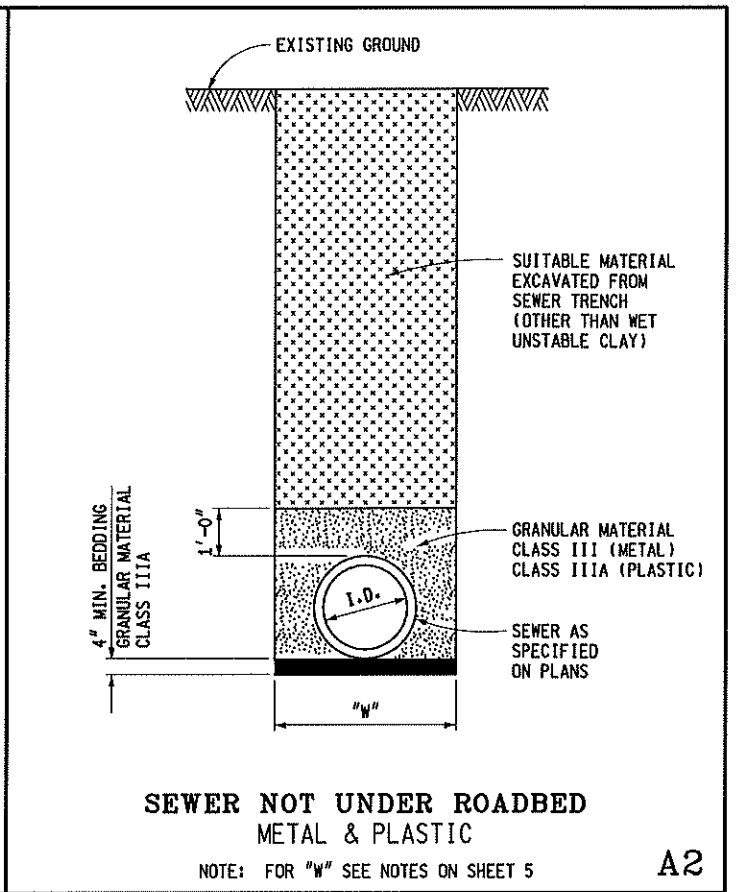
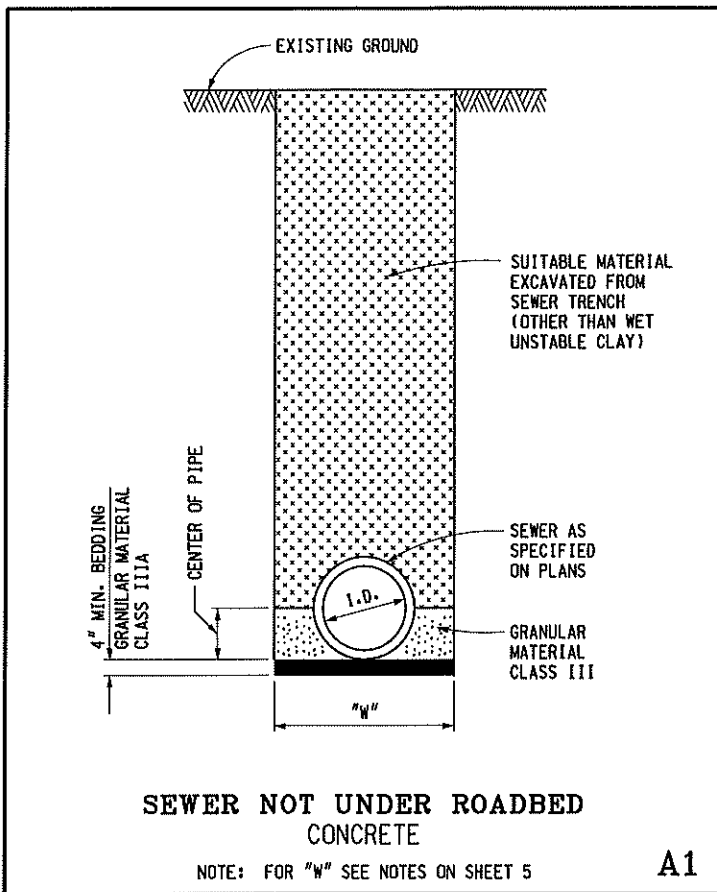
Pipe Diameter (in.)	Mini-time (min; sec.)	Length for Min. Time (ft.)	Time for Longer length (sec.)	Specification Time for Length (L) Shown (min:sec)											
				100ft	150ft	200ft	250ft	300ft	350ft	400ft	450ft	500ft	550ft	600ft	
4	1:53	597	.190L	1:53	1:53	1:53	1:53	1:53	1:53	1:53	1:53	1:53	1:53	1:53	1:54
6	2:50	398	.427L	2:50	2:50	2:50	2:50	2:50	2:50	2:51	3:12	3:34	3:55	4:16	
8	3:47	298	.760	3:47	3:47	3:47	3:47	3:48	4:26	5:04	5:42	6:20	6:58	7:36	
10	4:43	239	1.187L	4:43	4:43	4:43	4:57	5:56	6:55	7:54	8:54	9:54	10:53	11:52	
12	5:40	199	1.709L	5:40	5:40	5:42	7:08	8:33	9:48	11:24	12:50	14:15	15:40	17:06	
15	7:05	159	2.671L	7:05	7:05	8:54	11:08	13:21	15:35	17:48	20:02	22:16	24:29	26:43	
18	8:30	133	3.846L	8:30	9:37	12:49	16:01	19:14	22:26	25:38	28:51	32:03	35:16	38:28	
21	9:55	114	5.235L	9:55	13:05	17:27	21:49	26:11	30:32	34:54	39:16	43:37	47:59	52:21	
24	11:20	99	6.837L	11:24	17:57	22:48	28:30	34:11	39:53	45:35	51:17	56:59	62:41	68:23	
27	12:45	88	8.653L	14:25	21:38	28:51	36:04	43:16	50:30	57:42	64:54	72:07	79:20	86:33	
30	14:10	80	10.683L	17:48	26:43	35:37	44:31	53:25	62:19	71:13	80:07	89:02	97:56	106:51	
33	15:35	72	12.926L	21:33	32:19	43:56	53:52	64:38	75:24	86:10	96:57	107:44	118:31	129:17	
36	17:00	66	15.384L	25:39	38:28	51:17	64:06	76:55	89:44	102:34	115:23	128:13	141:02	153:51	
39	18:25	61	18.054L	30:57	45:09	60:11	75:14	90:16	105:19	120:22	135:24	150:32	165:31	180:34	
42	19:50	57	20.939L	34:54	52:21	69:48	87:15	104:42	122:09	139:36	157:03	174:31	191:58	209:25	

Note: When 2 sizes of pipe are involved, the time shall be computed by the ratio of lengths involved.

Example: 400 feet of 10 inch pipe and 200 feet of 6 inch pipe

$$\text{Time} = \frac{\text{Length}(1) \times \text{Time}(1) + \text{Length}(2) \times \text{Time}(2)}{\text{Length}(1) + \text{Length}(2)} = \frac{400 \times 7:54 + 200 \times 2:50}{400 + 200}$$

$$= \frac{400 \times 474 + 200 \times 170}{400 + 200} = 373 \text{ seconds} = 6:13 \text{ (min:sec)}$$



MDOT
Michigan Department of Transportation

PREPARED BY
DESIGN DIVISION

DRAWN BY: B.L.T.

CHECKED BY: W.K.P.

DEPARTMENT DIRECTOR
Kirk T. Sleudle

APPROVED BY: Kimberly Avery
DIRECTOR, BUREAU OF FIELD SERVICES

Bradley C. Wierferich
DIRECTOR, BUREAU OF DEVELOPMENT

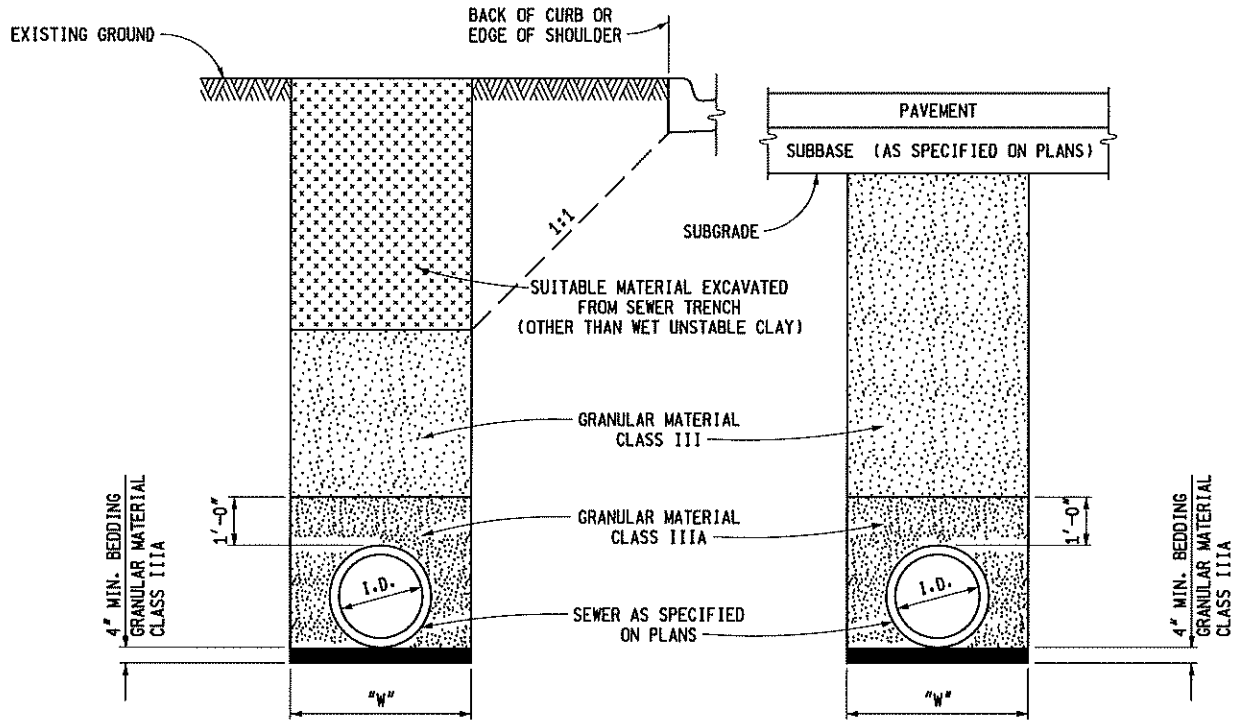
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ou=Bureau of Field Services,
email=kimberly.avery@mdot.gov, c=US
Date: 2016.12.15 09:53:17 -0500

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DN: cn=Bradley C. Wierferich, o=Michigan
Department of Transportation, ou=Design
Division, email=bradley.wierferich@mdot.gov, c=US
Date: 2016.12.16 09:45:44 -0500

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

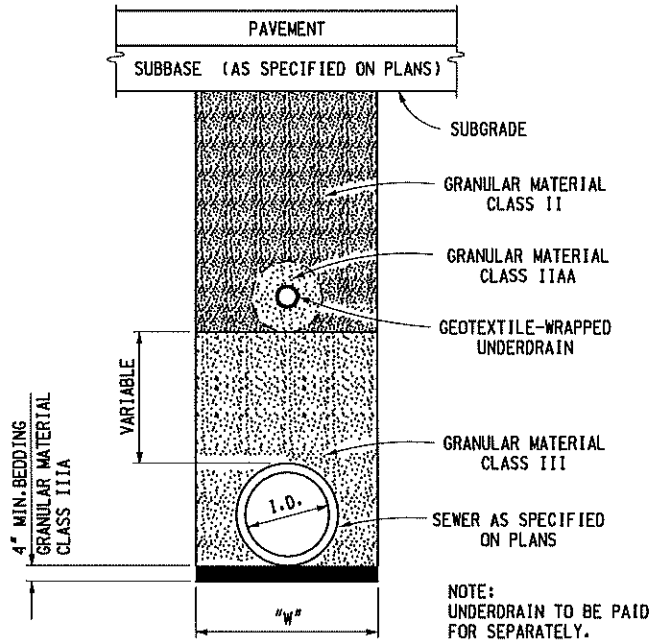
UTILITY TRENCHES

7-25-2017 F.H.W.A. APPROVAL	2-8-2016 PLAN DATE	R-83-C	SHEET 1 OF 5
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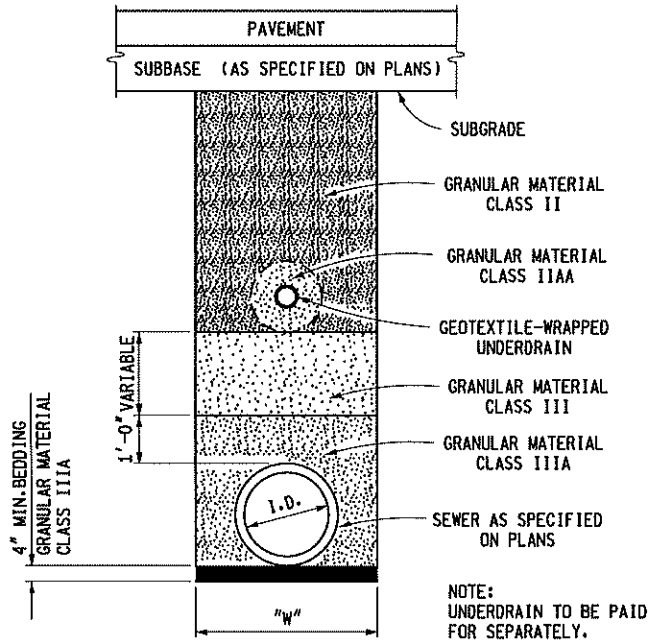
**SEWER UNDER ROADBED OR
WITHIN INFLUENCE OF ROADBED
PLASTIC PIPE**

B2



**SEWER WITH UNDERDRAIN UNDER ROADBED
CONCRETE & METAL PIPE**

C1

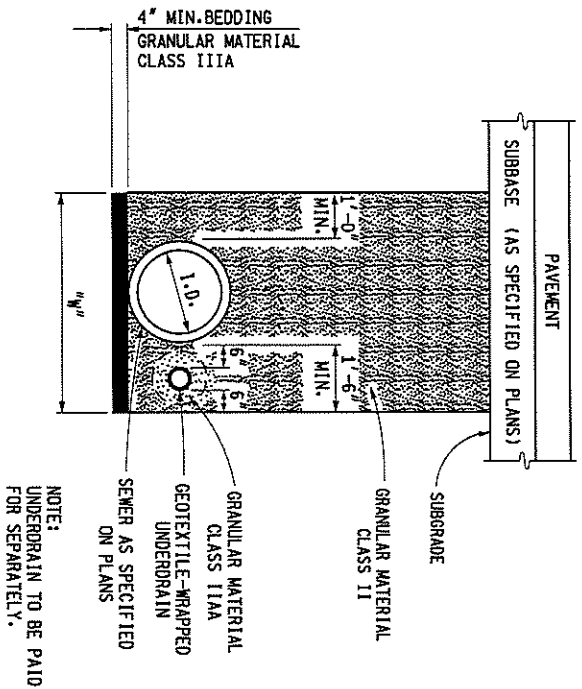


**SEWER WITH UNDERDRAIN UNDER ROADBED
PLASTIC PIPE**

C2

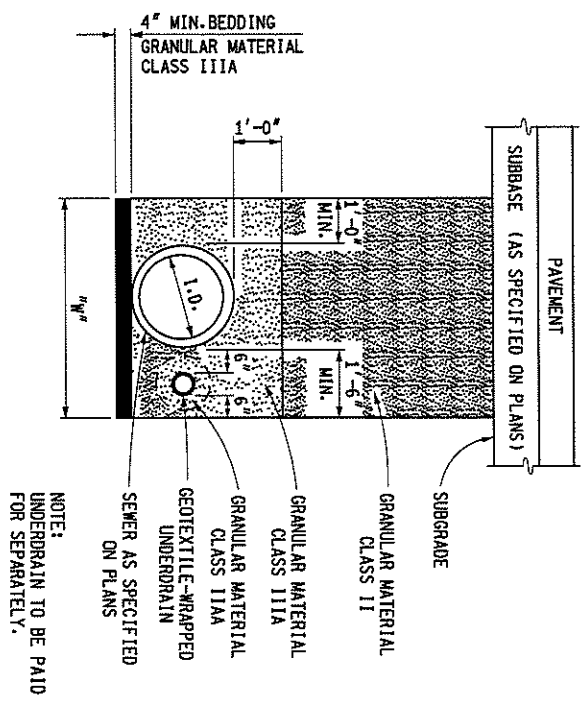
MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

UTILITY TRENCHES



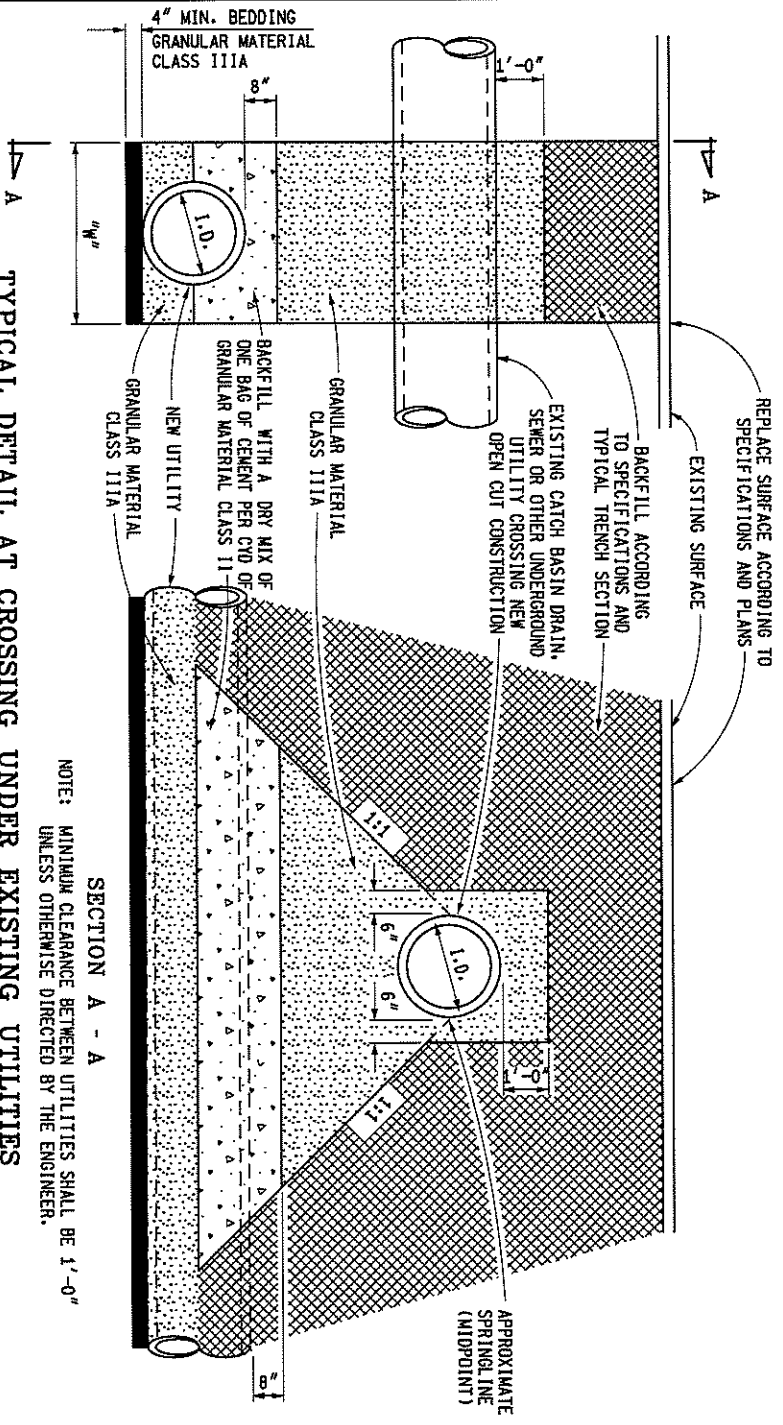
**SEWER WITH UNDERDRAIN UNDER ROADBED
CONCRETE & METAL PIPE
(FOR SHALLOW SEWERS)**

D1



**SEWER WITH UNDERDRAIN UNDER ROADBED
PLASTIC PIPE
(FOR SHALLOW SEWERS)**

D2



TYPICAL DETAIL AT CROSSING UNDER EXISTING UTILITIES
PAYMENT FOR THIS TRENCH DETAIL WILL BE INCLUDED WITH THE ADJACENT TRENCH DETAILS

NOTE: MINIMUM CLEARANCE BETWEEN UTILITIES SHALL BE 1'-0" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

UTILITY TRENCHES

NOTES:

BACKFILLING SHALL BE ACCORDING TO THE STANDARD SPECIFICATION.

SUFFICIENT TRENCH WIDTH SHALL BE PROVIDED TO ALLOW FREE WORKING SPACE AND TO PERMIT COMPACTING THE BACKFILL AROUND THE PIPE.

THE FOLLOWING ARE MINIMUM TRENCH WIDTHS:

I.D. PIPE SIZE (INCHES)	LESS THAN 18	21	24	30	36
^{"W"} TRENCH WIDTH (FEET)	3.0	3.5	4.0	5.0	6.0

I.D. PIPE SIZE (INCHES)	42	48	54	60	66	72
^{"W"} TRENCH WIDTH (FEET)	7.0	8.0	9.5	10.0	10.5	11.0

I.D. PIPE SIZE (INCHES)	78	84	90	96	102	108
^{"W"} TRENCH WIDTH (FEET)	11.5	12.0	12.5	13.0	13.5	14.0

ESTIMATED PAVEMENT REMOVAL WIDTH IS TO BE TRENCH WIDTH "W" PLUS 1'-0" EACH SIDE OF THE TRENCH (6'-0" MINIMUM).

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN FOR

UTILITY TRENCHES

7-25-2017 F.H.W.A. APPROVAL	2-8-2016 PLAN DATE	R-83-C	SHEET 5 OF 5
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**CITY OF HILLSDALE
SPECIAL PROVISION
FOR
TRAFFIC CONTROL
Page 1 of 2**

DESCRIPTION

Traffic shall be maintained by the Contractor throughout the project in accordance with Section 104.07, 104.11, 812 and 922 of the MDOT 2012 Standard Specifications and in accordance with any Supplemental Specifications and any requirements of the City of Hillsdale Right-Of-Way (ROW) Permit or MDOT Permit, as issued. All traffic control devices shall conform to the most current version of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD).

The Contractor shall coordinate operations with other Contractors or Utility owners performing work on other projects within adjoining areas to avoid conflicts in maintenance of traffic, construction signing and to provide for the orderly progress of work.

The Contractor shall provide access at all times during construction for school buses, garbage trucks, and any other service vehicles required to traverse and service residences within the construction area.

The City of Hillsdale maintenance crews and/or other Contractors may perform work within or adjacent to the project areas. No additional payment will be made to the Contractor for the joint use of traffic control items or coordination efforts.

The Contractor shall provide a plan for any necessary traffic control for completion of the project. This plan will be discussed, reviewed, possibly revised and approved as part of the Department of Public Services ROW permit process.

CONSTRUCTION INFLUENCE AREA (CIA)

The CIA shall include the right of ways of the listed project areas within the City of Hillsdale including all intersecting access as far as the advanced signing required to accommodate all traffic control devices.

The Contractor shall maintain pedestrian and residential access throughout the entire project at all times during construction.

Pedestrian access to all residences, churches, and businesses shall be allowed at all times.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
TRAFFIC CONTROL
Page 2 of 2

The Contractor shall maintain access to all adjacent property locations at all times and any associated costs shall be included in the Traffic Control Payment item.

- Barricades used to control traffic at night shall be lighted.
- Drums used shall be plastic drums or channelizing devices, grabber cones are an acceptable alternate to drums.
- ADA Compliant Pedestrian panels shall be used at any sidewalk removals and shall not be removed until a temporary or permanent hard surface is restored.

Maintaining Traffic includes all additional work and materials necessary for traffic maintenance, utility maintenance and coordination, and maintenance during construction for all items of work.

TRAFFIC RESTRICTIONS

Contractor shall backfill any trenches/holes prior to the end of the work day, no open trenches/holes will be allowed overnight.

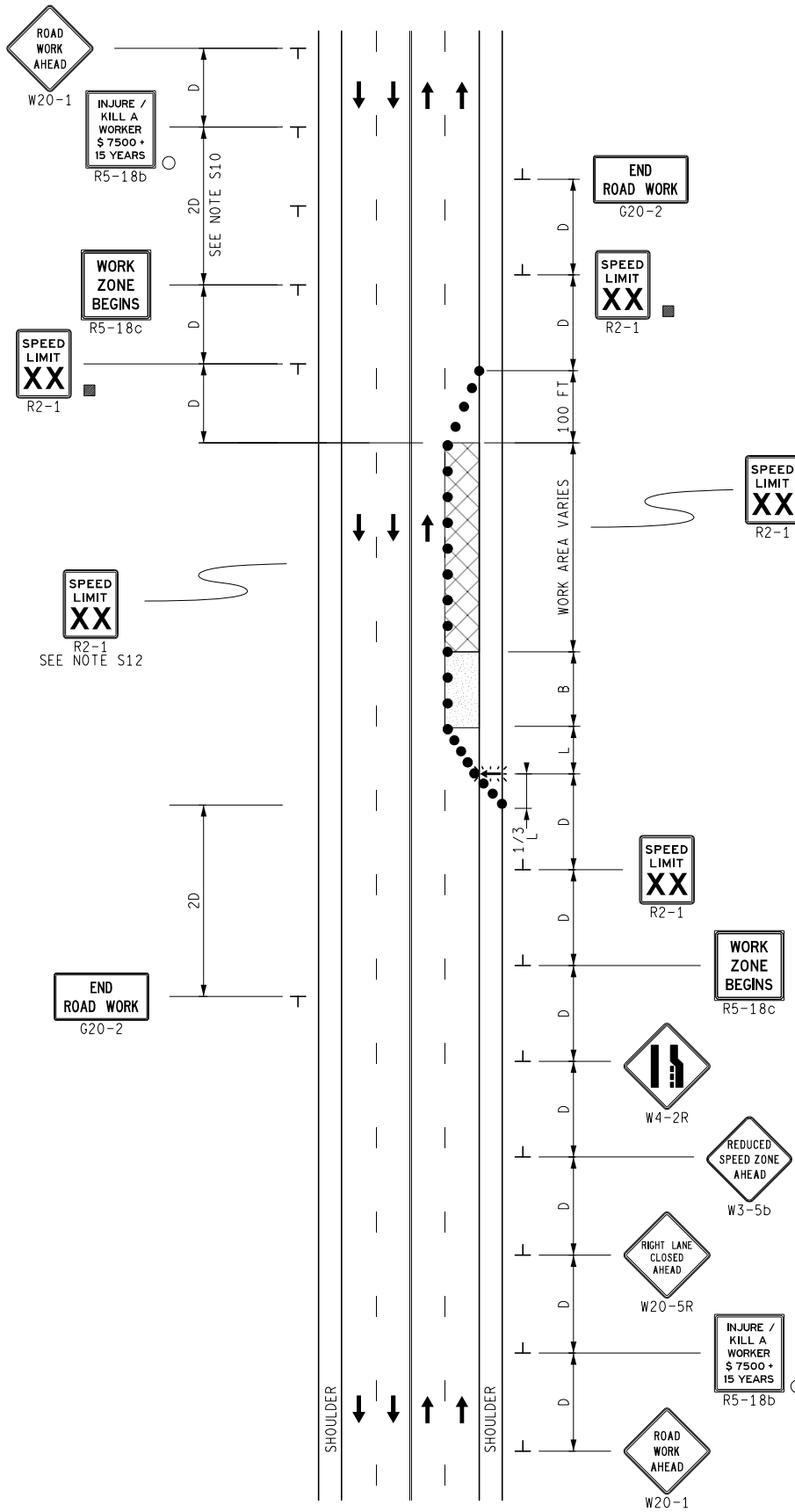
The Contractor shall provide advance warning signs of their work area and shall maintain two-way traffic on all roadways while working. Only short delays in traffic will be allowed during the work.

Should longer term restrictions be required the Contractor shall provide a detour or road closure plan to the Engineer that adheres to the most current version of the Michigan Manual of Traffic Control Devices (MMUTCD).

MEASUREMENT AND PAYMENT

The work completed under this special provision will be considered as incidental to the pot holing of each service and will not be paid separately.

TRAFFIC CONTROL shall include all material, labor, and equipment needed to accomplish the traffic control as specified and per the contractors approved plan including furnishing, placement, operation and maintenance of all traffic control devices required



KEY

- CHANNELIZING DEVICES
- ⚡ LIGHTED ARROW PANEL
- ← TRAFFIC FLOW
- REFLECTS EXISTING SPEED LIMIT
- PLACE SIGN AS INDICATED IN NOTE S5
- PLACE SIGN AS INDICATED IN NOTE S2

STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
 SIGNING: S1, S2, S3, S5, S10, S12
 DEVICES: TCD1, TCD2, TCD6



NOT TO SCALE

MAINTAINING TRAFFIC TYPICAL

NO: 123-NFW-1LC-(R)

1 RIGHT LANE CLOSURE
 ON A 4-LANE UNDIVIDED ROADWAY

DATE: MAY 2021
 SHEET:



ARBY'S

MH1553

MH1554

MH1555

MH1556

MH1559

MH1558

MH1560

MH1562

15' REPAIR LOCATION (PREVIOUS)

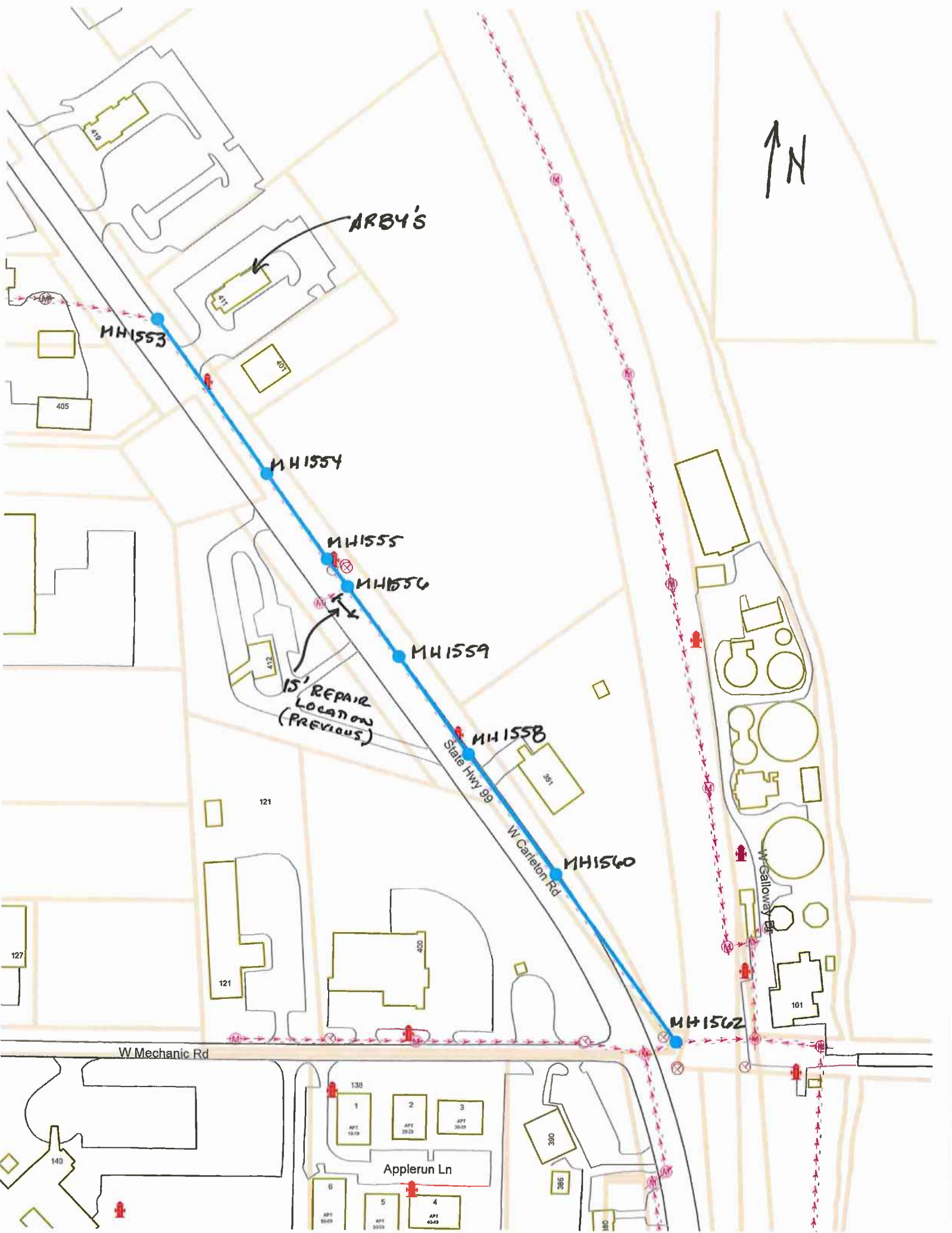
State Hwy 99

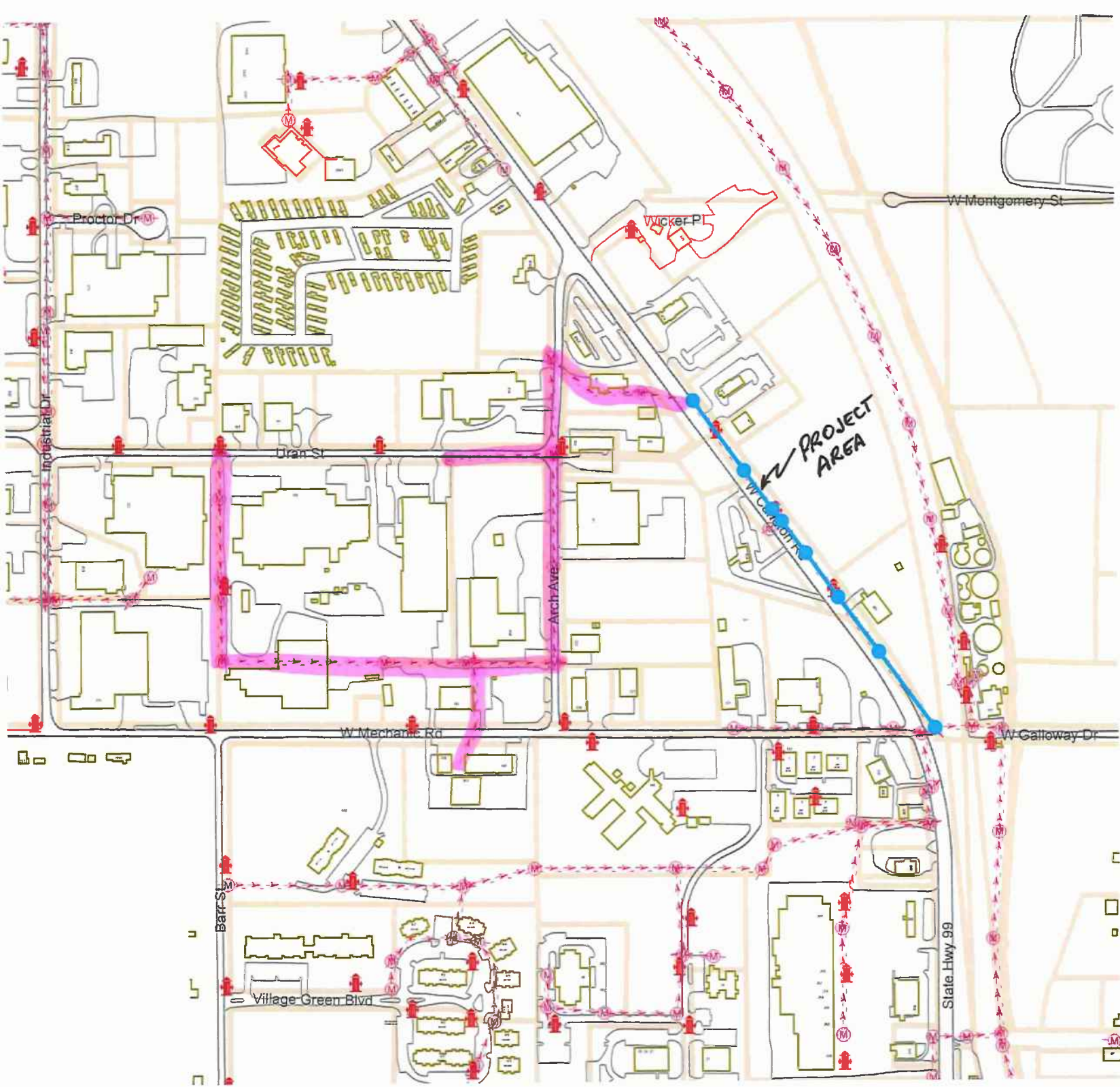
W Carleton Rd

W Galloway Dr

W Mechanic Rd

138
1
2
3
AP1 1519
AP1 2528
AP1 3529
Applerun Ln
6
5
4
AP1 8529
AP1 3533
AP1 4543





Hillsdale Board of Public Utilities
45 Monroe Street
Hillsdale, Michigan 49242-0279
Telephone: 517/437-3387
Fax: 517/437-3388



Date: October 20, 2021

PROJECT: 2021 – City of Hillsdale Sanitary Sewer Lining

SUBMITTAL DATE: 2:00 pm on October 28, 2021

ADDENDUM NO. 1: Bid Documents for this project are being modified, supplemented, clarified or augmented as follows as part of this addendum. All revisions will hereby be made a part of the proposed Contract Documents.

The following attachments are issues with this addendum.

Drawings: None

Attachments: Revised Page No. 8 – Pricing Form

<u>MODIFICATION NO.</u>	<u>SUMMARY</u>
1	Revised Page 8 for an error in the “unit” for replacement of the Conc. Pavt, from EA to SY. See Attached.

CONTRACT CLARIFICATIONS

- 1) Bidders are not required to provide pricing for the alternate “open cut” replacement. The city has placed a second bid request out for this open cut work in case no bids for the alternate work was received.

Alternate "open cut" Replacement Pricing:

ITEM DESCRIPTION	EST. QUANT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS		
Pav't, Rem (2" HMA over 12" Conc)	670	SY		
Curb, Rem	500	LF		
By-Pass Pumping	494	LF		
Sanitary Sewer, 10 inch, Tr Det B	494	LF		
Manhole Flow Line Repairs	3	EA		
Curb & Gutter, Conc., Det F4	500	LF		
Conc Pavt, Nonreinf, 14 inch (High Early Conc)	670	SY		
Traffic Control	1	LS		
GRAND TOTAL:				

Hillsdale Board of Public Utilities
45 Monroe Street
Hillsdale, Michigan 49242-0279
Telephone: 517/437-3387
Fax: 517/437-3388



Date: October 22, 2021

PROJECT: 2021 – Sanitary Sewer Lining – City of Hillsdale

SUBMITTAL DATE: 2:00 pm on October 28, 2021

ADDENDUM NO. 2: Bid Documents for this project are being modified, supplemented, clarified or augmented as follows as part of this addendum. All revisions will hereby be made a part of the proposed Contract Documents.

The following attachments are issues with this addendum.

Drawings: None

Attachments: None

CONTRACT CLARIFICATIONS

- 1) Per the Sanitary Sewer Special Provision – Under Testing and Inspection:

The city will not be requiring deflection (mandrel testing), low pressure air/water leakage testing or air/water exfiltration testing on the newly installed sewer main.

Contractor shall expect to video televise the new sewer prior to placing the main into service.



City of Hillsdale, Michigan

BID SHEET

Project: SANITARY SEWER LINING

Date: OCTOBER 28, 2021 @ 2pm

Company/Person				TOTAL:
INSITVFORM				57,793.50
INLAND WATERS				96,552.00

**CITY OF HILLSDALE, MICHIGAN
ADVERTISEMENT FOR BIDS**

Sanitary Sewer Lining

The City of Hillsdale is requesting proposals for the following project:

Lining of approximately 1,500 LF of 10" sanitary sewer pipe per these specifications. See the attached map for the project location. The City of Hillsdale can provide, upon request, video of existing pipe for bidding purposes only and not for actual work.

Alternate pricing is being requested in case certain pipe sections are not able to be lined and will require replacement by open cut.

RFP due date/ Public Opening:

Sealed proposals are due by 2:00 pm (local time) on October 28, 2021 at the following location:

Hillsdale City Hall
Office of the City Clerk
97 N. Broad Street
Hillsdale, MI 49242

Proposed Project Schedule:

BPU Board Presentation:	November 9, 2021
City Council Anticipated Award of Contract:	November 15, 2021
Construction Start Date:	Immediately following contract award
Construction Completion Date:	March 31, 2022

Project Location:

The project is located on W. Carleton Road (M-99) between W. Mechanic Road and 411 W. Carleton Rd. (Arby's). The sewer main is within the northbound curb lane of M-99.

General Scope of Work:

Base Bid:

The project consists of sanitary sewer lining utilizing a Cured-in-Place Pipe System (CIPP).

In September 2021 the City's contractor was completing video inspections of pipe sections under M-99 and the camera fell into a void in the bottom of the pipe. This required an opening of the roadway to retrieve the camera and fix the failed pipe section. During this work the adjacent pipe was found to be in fragile condition making the pipe repair connections difficult.

The city is anticipating award of this contract in mid-November and wishes lining work completed in an expedient manner soon after contract award.

PIPE ID	MH ID UP STREAM	MH ID DOWN STREAM	EST. PIPE SIZE	EST. LENGTH
3672	1553	1554	10"	318 LF
3673	1554	1555	10"	176 LF
3674	1555	1556	10"	57 LF
3676	1556	1559	10"	146 LF
3677	1559	1558	10"	201 LF
3678	1558	1560	10"	249 LF
3679	1560	1562	10"	345 LF
TOTAL ESTIMATED PIPE LENGTH:				1,492 LF

All pipe sizes and lengths are estimated and shall be field verified by the successful contractor prior to beginning work. A map of the project area is attached including a map of the areas upstream served by this sanitary sewer section.

This pipe line is estimated to be approximately 6 to 7 feet in depth with the depth at receiving MH 1562 estimated to be 13 feet.

The city will obtain the required permitting for this work through the Michigan Department of Transportation (MDOT). The contractor will be required to provide MDOT approved traffic control for this work per the attached typical lane closure drawing.

ALTERNATE WORK:

Background:

The video survey recently completed of the city's sanitary system under M-99 showed some additional pipe sections that may not have a bottom to the pipe. The areas noted are between manholes 1553 to 1555. From MH 1553 to 1554 the contractor was able to video 16 ft. of the 318 ft. going downstream and from MH 1554 to MH 1555 they were able to video 126 ft. of the 176 ft. going downstream.

As we understand that CIPP lining may not be possible for these areas the City is requesting alternate pricing for a potential "open cut" replacement of the 494 LF of 10" sanitary sewer pipe between MH 1553 and 1555.

The city would prefer to CIPP line these pipe sections rather than complete "open cut" replacement work. The city will entertain any presented alternates and pricing for these pipe sections. Any alternates should be developed and submitted as part of the bid package.

Alternate Scope of Work for "open cut" work:

All work associated with this work shall be in accordance with all applicable sections of the 2012 MDOT Standard Specification for Construction and attached Special Provisions as noted.

- Remove existing MDOT roadway which consists of 2" of Hot Mixed Asphalt (HMA) over 12" of Concrete. Pavement removal shall be full lane width.
- Remove any existing curb and gutter necessary for sewer pipe replacements.
- Provide by-pass pumping of the existing sanitary sewer line to be replaced.
- Construct the new 10" PVC Sanitary Sewer per the applicable sections of the attached sanitary sewer special provision and the MDOT specifications.
- Remove and replace and/or repair the existing flow lines in the existing manholes (MH 1553, MH 1554 and MH 1555) as required to accommodate the new plastic pipe.
- Replace any curb required for removal for construction of the sewer piping.
- Replace the existing MDOT roadway utilizing with 14" of concrete to the traffic surface. The concrete patch shall be doweled into the adjacent concrete pavement sections. All Concrete shall be in accordance with Sections 601 and 602 of the 2012 MDOT Standard Specification. All concrete shall be a high early strength mix.

Instructions to proposers:

- Proposals must be typewritten or clearly printed in ink and signed by a duly authorized representative of the firm submitting the proposal.
- Proposals must be submitted in sealed envelopes, clearly marked on the outside, "Hillsdale City – Sanitary Sewer Lining"
- Proposals will be received by the City Clerk, City Hall, 97 N. Broad Street, Hillsdale, Michigan 49242, at the above required time. All proposals will be date stamped and time marked upon receipt. Proposals may not be faxed or e-mailed.
- No proposal will be accepted after the time designated for the receipt of proposals set forth above. Each bidder shall and will be fully and solely responsibility for delivery of the proposal prior to the appointed date and hour designated for the receipt of all proposals, and shall assume the risk of late delivery or non-delivery regardless of the manner the bidder employs for the proposal's delivery or the reason for such late delivery or non-delivery.
- The City of Hillsdale reserves the right to reject any and all proposals and to waive any defects or informalities in proposals, to accept the bid that it determines to be the lowest competitive bid from a competent bidder meeting specifications and to negotiate with the bidder or bidders who, in the judgment of the Hillsdale City Manager, are deemed the most advantageous for the public and the City.
- The City of Hillsdale reserves the right to take other action before a contract is signed or a purchase order is approved; even after City Council accepts or approves the proposal.
- Proposals submitted in response to this invitation shall become the property of the City of Hillsdale and be a matter of public record and available for review.

- Communications regarding this proposal may be directed to:
Kristin Bauer
City Engineer
City of Hillsdale
Hillsdale, MI 49242
517-437-6479
kbauer@cityofhillsdale.org

Conditions applicable to proposal:

- Applicable Laws: The Ordinances and Charter of the City of Hillsdale and laws of the State of Michigan concerning competitive bidding, contracts and purchases will be employed.
- The City of Hillsdale hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids to this invitation and will not be discriminated against on grounds of sex, race, color, age, weight, height, marital status, religion or national origin in the consideration for an award.
- This request for proposal does not commit the City of Hillsdale to award a contract, to pay any costs incurred in the preparation of a response to this request, or to procure or contract for services.
- The City is exempt from the payment of any federal excise or any Michigan sales tax (State of Michigan Sales Tax Exemption number: 38-6004621). The price must be net, exclusive of taxes.

Indemnification:

The Contractor shall indemnify and hold harmless the City of Hillsdale, its council members, city manager, directors, employees and agents from and against all liabilities, claims, demands, causes of action of every kind and descriptions, damages, Losses and Litigation Expenses, including but not limited to attorney's fees through appeals, arising out of or resulting from the performance of work in this contract, providing that any such claim, demand, cause of action, damage, Loss or expense (1) is attributable to bodily injury, disease or death, or to injury to or destruction of property including the loss of use resulting therefrom, and (2) is caused in whole or in part by any negligent act or omission of the Contractor, anyone directly or indirectly employed by the Contractor, or anyone for whose acts for any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. This indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the contractor under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

Insurance:

The Contractor shall, at its own expense, provide for the payment of Worker's Compensation benefits to its employees employed on or in connection with the work covered by this RFP, in accordance with applicable laws and statutorily required.

- The Contractor shall, at its own expense, carry and maintain Comprehensive General Public Liability Insurance with minimum limits of Bodily Injury of \$500,000 per person, \$1,000,000 per accident, \$250,000 per occurrence of property damage and \$2,000,000 Excess Liability. Blanket contractor and completed operations coverage shall be included with the same minimums.
- The Contractor shall, at its own expense, carry and maintain Comprehensive Auto Liability with the same limits as for General Public Liability. Liability coverage shall name City of Hillsdale as an additional insured.
- The Contractor shall likewise require its subcontractors, if any, to provide for such benefits and carry and maintain such insurance at no expense to the City.
- Before commencement on the project contemplated herein, and at any time thereafter upon written request by the City, the Contractor shall furnish the City with a copy of certificates of insurance as evidence that policies providing the required coverage's and limits of insurance are in full force and effect.
- All insurance coverage furnished under this Contract, with the exception of Worker's Compensation and Employer's Liability, shall include the City, and employees as additional insured with respect to the activities of the Contractor and its subcontractors. Any certificate or certificates presented as evidence of insurance shall specify the date when such benefits and insurance expire. The Contractor agrees that said benefits and insurance shall be provided and maintained until after the entire work under the Contract has been performed and accepted. The Contractor shall provide the City at least thirty (30) days advance written notice prior to cancellation, termination, or material alteration of said policies of insurance.

Changes and addenda to proposal documents:

Information of change or addendum issued in relation to this document will be on file and available in the Office of the City Clerk. In addition, to the extent possible, copies will be emailed to each vendor registered as having received a set of documents. It shall be the proposer's responsibility to make inquiry as to the changes or addenda issued. All such changes or addenda shall become part of the contract and all proposers shall be bound by such addenda.

Proposal results:

All proposals submitted in response to this invitation shall become the property of the City of Hillsdale and be a matter of public record available for review. A proposal tabulation will be available for review after the proposal opening.

Anti-Collusion:

Any evidence of agreement or collusion among bidders and/or prospective bidders acting to illegally restrain freedom of competition by agreement to bid fixed prices, or otherwise, will render their offers void.

Bid Bond/ Performance Bond:

Bids must contain the names of every person or company interested therein and shall be accompanied by a Bid Bond in the amount of 5% of the amount bid with satisfactory corporate surety, subject to conditions provided in the Instructions to Bidders. The successful bidder will be required to furnish satisfactory Performance Bond and Maintenance and guarantee Bond in the amount of 100% of the Bid, and Labor and Material Bond in the amount of 50% of the Bid.

PROPOSAL:

All bids will be paid using Unit Prices in accordance with the submitted proposal.

The City of Hillsdale reserves the right to award to reject all bids if it is in the best interest of the City.

Base Bid Pricing:

ITEM DESCRIPTION	EST. QUA NT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS	\$2,599.30	\$2,599.30
Pre-Lining Sewer Cleaning and CCTV, 10-inch	1,492	LF	\$7.60	\$11,339.20
By-Pass Pumping	1,492	LF	\$2.30	\$3,431.60
10-inch CIPP Sewer Lining	1,492	LF	\$24.90	\$37,150.80
Service Reconnections	2	EA	\$309.30	\$618.60
Traffic Control	1	LS	\$2,654.00	\$2,654.00
GRAND TOTAL:				\$57,793.50

Alternate "open cut" Replacement Pricing:

ITEM DESCRIPTION	EST. QUANT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS		
Pav't, Rem (2" HMA over 12" Conc)	670	SY		
Curb, Rem	500	LF		
By-Pass Pumping	494	LF		
Sanitary Sewer, 10 inch, Tr Det B	494	LF		
Manhole Flow Line Repairs	3	EA		
Curb & Gutter, Conc., Det F4	500	LF		
Conc Pavt, Nonreinf, 14 inch (High Early Conc)	670	EA		
Traffic Control	1	LS		
GRAND TOTAL:				

The undersigned, having familiarized (himself/herself) with the Request for Proposal, the bidder shall examine the scope of work to be completed and shall completely familiarize (himself/herself) with existing conditions to be encountered, the difficulties and limitations involved in completing the project and all other factors affecting the work proposed with this project. The Contractor shall provide all necessary labor, transportation, meals, etc. to perform all the work and furnish all necessary material to complete plans outlined in the proposal.

In submitting this proposal, it is understood and agreed by the undersigned that the right is reserved by the City to reject any or all proposals. It is further understood and agreed by the same undersigned that any qualifying statements, or conditions made to the above proposal, as originally published, as well as any interlineations, erasures, omissions, or entered wording obscure as to its meaning, may cause the bid to be declared irregular and may be cause for rejection of the bid.

Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

<u>Addendum Number</u>	<u>Addendum Date</u>
<u>2</u>	<u>10/20/2021</u>
<u> </u>	<u>10/22/2021</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Certification Regarding Debarment, Suspension and Other Responsibility Matters—
Primary Covered Transaction

- I. The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or committee; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification and (d) Have not within a three-year period preceding this application/proposal had one or more public transaction (Federal, State or local) terminated for cause or default.

- II. Where the prospective primary participant is unable to certify to any the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Hillsdale Board of Public Utilities
45 Monroe Street
Hillsdale, Michigan 49242-0279
Telephone: 517/437-3387
Fax: 517/437-3388



Date: October 20, 2021

PROJECT: 2021 – City of Hillsdale Sanitary Sewer Lining

SUBMITTAL DATE: 2:00 pm on October 28, 2021

ADDENDUM NO. 1: Bid Documents for this project are being modified, supplemented, clarified or augmented as follows as part of this addendum. All revisions will hereby be made a part of the proposed Contract Documents.

The following attachments are issues with this addendum.

Drawings: None

Attachments: Revised Page No. 8 – Pricing Form

<u>MODIFICATION NO.</u>	<u>SUMMARY</u>
1	Revised Page 8 for an error in the "unit" for replacement of the Conc. Pavt, from EA to SY. See Attached.

CONTRACT CLARIFICATIONS

- 1) Bidders are not required to provide pricing for the alternate "open cut" replacement. The city has placed a second bid request out for this open cut work in case no bids for the alternate work was received.

Hillsdale Board of Public Utilities
45 Monroe Street
Hillsdale, Michigan 49242-0279
Telephone: 517/437-3387
Fax: 517/437-3388



Date: October 22, 2021

PROJECT: 2021 – Sanitary Sewer Lining – City of Hillsdale

SUBMITTAL DATE: 2:00 pm on October 28, 2021

ADDENDUM NO. 2: Bid Documents for this project are being modified, supplemented, clarified or augmented as follows as part of this addendum. All revisions will hereby be made a part of the proposed Contract Documents.

The following attachments are issues with this addendum.

Drawings: None

Attachments: None

CONTRACT CLARIFICATIONS

- 1) Per the Sanitary Sewer Special Provision – Under Testing and Inspection:

The city will not be requiring deflection (mandrel testing), low pressure air/water leakage testing or air/water exfiltration testing on the newly installed sewer main.

Contractor shall expect to video televise the new sewer prior to placing the main into service.

SIGNATURE OF PROPOSER _____

Ursula J. Youngblood

Ursula J. Youngblood
Contracting & Attesting Officer



TITLE _____

NAME OF COMPANY _____

INSITUFORM TECHNOLOGIES USA, LLC.

ADDRESS _____

17988 Edison Avenue

CITY _____

Chesterfield, Missouri

STATE, ZIP CODE _____

63005

TELEPHONE _____

636/530-8000

FAX _____

636/530-8701

EMAIL _____

UYoungblood@Aegion.com

DATE _____

28 October 2021

INSITUFORM TECHNOLOGIES USA, LLC

**PRESIDENT APPOINTMENT OF
CONTRACTING AND ATTESTING OFFICERS**

The undersigned, being the President of Insituform Technologies USA, LLC, a Delaware Limited Liability Company (the "Company"), and pursuant to the authority set forth in the Limited Liability Company Operating Agreement of the Company, hereby determines that:

1. Christlanda Adkins, Gina Gurrieri, Janet Hass, Jana Lause, Diane Partridge, Whitney Schulte, and Ursula Youngblood are appointed as Contracting and Attesting Officers of the Company, each with the authority, individually and in the absence of the others, subject to the control of the Board of Managers of the Company, to: (i) certify and attest to the signature of any officer of the Company; (ii) enter into and bind the Company to perform pipeline rehabilitation activities of the Company and all matters related thereto, including the maintenance of one or more offices and facilities of the Company; (iii) execute and to deliver documents on behalf of the Company; and (iv) take such other action as is or may be necessary and appropriate to carry out the project, activities and work of the Company.
2. Any person previously appointed or serving as a Contracting and Attesting Officer of the Company prior to the date hereof and who is not named above is hereby removed from any such appointment.

Dated: March 6, 2020



Ralph E. Western
President



**INSUITUFORM TECHNOLOGIES USA, LLC
BOARD OF MANAGERS AND OFFICERS
(Current as of October 1, 2021)**

<u>BOARD OF MANAGERS</u>
Robert Tullman Member, Board of Managers
Monta M. Bolles Member, Board of Managers
Timothy J. Gallagher Member, Board of Managers

<u>OFFICERS</u>	
<u>Name</u>	<u>Office</u>
Ralph E. Western	President
David F. Morris	Executive Vice President & Chief Financial Officer
Monta M. Bolles	Executive Vice President, Chief Legal Officer, Chief HR Officer & Secretary
Kent W. Bartholomew	Sr. Vice President & Assistant Secretary
John L. Heggemann	Sr. Vice President
Donald E. Hake	Sr. Vice President & Treasurer
Dennis Pivin	Vice President – Safety

<u>CONTRACTING AND ATTESTING OFFICERS</u>
Christlanda Adkins
Gina Gurrieri
Janet Hass
Jana Lause
Diane Partridge
Whittney Schulte
Ursula Youngblood

Business Address for Board of Managers and Officers:
17988 Edison Avenue
Chesterfield, MO 63005



GRETCHEN WHITMER
Governor

STATE OF MICHIGAN
DEPARTMENT OF TRANSPORTATION
Lansing

PAUL G. AJEGBA
Director

April 7, 2020

Instruform Technologies USA, LLC
17988 Edison Ave
Chesterfield MO 63005-3700

08843
(636) 630-8000

Dear Vendor:

In accordance with our Administrative Rules we have established your numerical rating which is based on a financial rating of \$63,234,000.00 covering the classifications in the amounts stated below. This prequalification rating is effective until April 30, 2022.

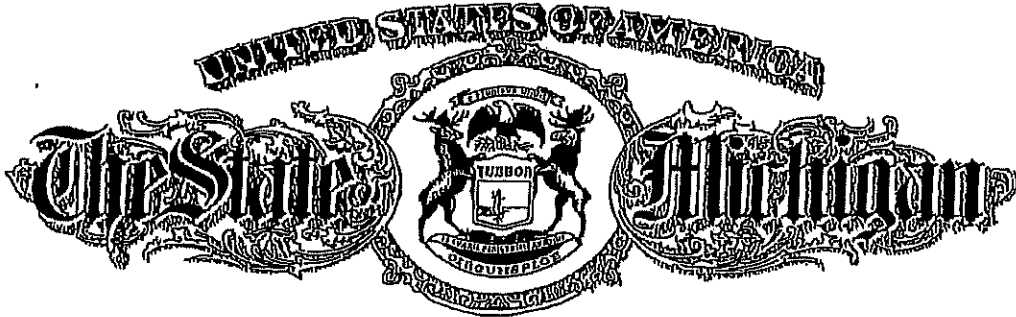
63234 K Sewers and Watermains

It will be assumed that the rating is satisfactory unless the Prequalification Committee is notified in writing to the contrary within 15 days after the bidder has been advised of the rating granted. The Department may declare a prequalified bidder ineligible to bid at any time because of developments subsequent to prequalification which, in their opinion, would affect the responsibility of the bidder or their ability to perform the contract work.

Lawrence F. Strzalka
Manager
Construction Contracts Section
Contract Services Division

MURRAY D. VANWAGONER BUILDING • P.O. BOX 30060 • LANSING, MICHIGAN 48909
www.michigan.gov • (517) 373-2090

LH-LAN-0(0/11)



Department of Licensing and Regulatory Affairs
Lansing, Michigan

This is to Certify That

INSTUFORM TECHNOLOGIES USA, LLC

a(n) Delaware FOREIGN LIMITED LIABILITY COMPANY,

was validly authorized, on January 27, 2012, to transact business in Michigan, and that said limited liability company holds a valid certificate of authority to transact business in this state, and has satisfied its annual filing obligations.

This certificate is issued pursuant to the provisions of 1993 PA 28 to attest to the fact that the limited liability company is in good standing in Michigan as of this date and is duly authorized to transact in this state any business set forth in its application which a domestic limited liability company formed under this act may lawfully conduct except as limited, by statements in its Application for Certificate of Authority or under the law of its jurisdiction of organization.

This certificate is in due form, made by me as the proper officer, and is entitled to have full faith and credit given it in every court and office within the United States.



Sent by electronic transmission

Certificate Number: 19031368440

In testimony whereof, I have hereunto set my hand,
in the City of Lansing, this 8th day of March, 2019.

Julia Dale, Director

Corporations, Securities & Commercial Licensing Bureau

Verify this certificate at URL to eCertificate Verification Search <http://www.michigan.gov/corpverify/certificate>.

CORPORATION SERVICE COMPANY
www.csglobal.com

CSC - Springfield

601 Adel Stevenson Drive
Springfield, IL 62703
217-544-5900
217-492-2727 (Fax)

Order#	Not Provided	Order#	065065-100
Project #:		Order Date	01/18/2012
Entity Name:	INSTRIFORM TECHNOLOGIES USA, LLC		
Jurisdiction:	MX- Department of Consumer and Industry Services		
Request Fee:	Qualification Billing		
File#:	DDJ284		
File Date:	01/27/2012		
Result:	Filed		

Ordered by LORI DOWEN at ABCHON CORPORATION

Thank you for using CSC. For real-time 24 hour access to the status of any order placed with CSC, access our website at www.csglobal.com.

If you have any questions concerning this order or CSCGlobal, please feel free to contact us.

Dawn Krausz
dherzman@osulife.com

The responsibility for verification of the size and determination of the information shown on the web site during orders is accepted by the user or customer.

(Not to be filled) MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS BUREAU OF COMMERCIAL SERVICES <small>(FOR FOREIGN USE ONLY)</small>	
DATE RECEIVED JAN 28 2012	RECEIVED JAN 27 2012
This document is effective on the date (day, month, year) a subsequent effective date within 30 days after received date is listed in this document.	EFFECTIVE DATE JAN 27 2012
Name Corporation Service Company	AUTHORITY <small>(MICHIGAN COMMERCE CODE)</small>
Address 801 Adlai Stevenson Drive	
City Springfield, IL 62703	EFFECTIVE DATE D91284

Document will be returned to the name and address you enter above.
 If left blank document will be mailed to the registered office.

**APPLICATION FOR CERTIFICATE OF AUTHORITY
 TO TRANSACT BUSINESS IN MICHIGAN**
 For use by Foreign Limited Liability Companies
 (Please read information and instructions on last page)

Pursuant to the provisions of Act 23, Public Act of 1999, the undersigned limited liability company executes the following Application:

1. The name of the limited liability company is INSITUFORM TECHNOLOGIES USA, LLC
2. (Complete this item only if the limited liability company name is not available for use in Michigan.) The assumed name of the limited liability company to be used in all dealings with the Bureau and in the transaction of the business in Michigan is:
3. We organized under the laws of <u>Delaware</u> The date of organization is <u>12/22/09</u> The duration of the limited liability company if other than perpetual is:
4. The address of the office required to be maintained in the state of organization or, if not so required, the principal office of the limited liability company is: <u>1700 Edison Ave. Chesterfield MO 63005</u> <small>(street) (city) (state) (zip)</small>

S/L

100-45116 151439

6. a. The address of its registered office in Michigan is
 (City/Town) 601 Abhal Road, East Lansing (State) Michigan (Zip Code) 48823

b. The mailing address of its registered office if different than above:
 (City/Town/State, Zip) _____ (State) _____ (Zip Code) _____

c. The name of the resident agent at the registered office is
CBC-Linkyora Incorporating Service (Company)

7. a. The Department is appointed the agent of the foreign limited liability company for service of process if no agent has been appointed, or if appointed, the agent's authority has been revoked, the agent has resigned, or the agent cannot be found or served through the exercise of reasonable diligence.

The name and address of a member or manager or other person to whom the administrator is to send copies of any process served on the administrator is (Must be different than agent shown in Part 6c)
David F. Moris, Manager
 (City/Town) _____ (State) _____ (Zip Code) _____

1708 Edison Ave. Okemosfield MI 48865
 (City/Town) _____ (State) _____ (Zip Code) _____

7. The specific business which the limited liability company is to transact in Michigan is as follows:
All forms of construction and pipe replacement and rehabilitation.

The limited liability company is authorized to transact such business in the jurisdiction of its organization.

Signed this 9th day of January, 2012

By [Signature]
 (Name) _____
David F. Moris, Manager
 (Signature) _____ (Name) _____

120059761
2024080 8300



DATE: 01-18-12

COMMISSION: 9304231
DEPARTMENT OF STATE

[Handwritten signature]

BEEN PAID TO DATE.

AND I DO HEREBY FURTHER CERTIFY THAT THE ABOVE TAKES HAVE

DECEMBER, A.D. 1983.

TECHNOLOGICAL USA, LLC WAS FORMED ON THE TWENTY-SECOND DAY OF

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID TECHNOLOGICAL

2012.

THIS CERTIFICATE IS OF THE PRESENTMENT DAY OF JANUARY, A.D.

GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF

IT DOES FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN

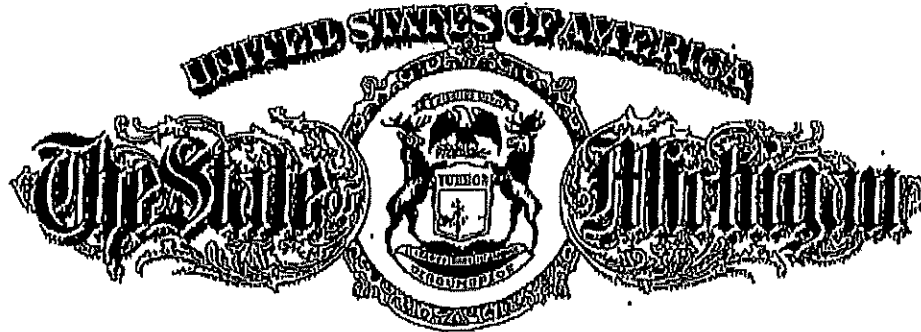
DELAWARE, DO HEREBY CERTIFY TECHNOLOGICAL USA, LLC

I, GERRARD M. BUTLOCK, SECRETARY OF STATE OF THE STATE OF

The First State

Delaware

PAGE 1



Department of Licensing and Regulatory Affairs
Lansing, Michigan

This is to Certify That

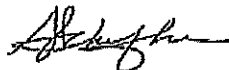
INSITUFORM TECHNOLOGIES USA, LLC

a limited liability company existing under the laws of the State of DELAWARE was validly authorized to transact business in Michigan on the 27th day of January, 2012, in conformity with 1993 PA 23.

The company is authorized to transact in this state any business of the character set forth in its application which a domestic company formed under like or may lawfully conduct. This authority shall continue as long as the company retains its authority to transact such business in the jurisdiction of its organization, its authority to transact business in this state has not been suspended or revoked, and the company has not surrendered its authority to transact business in this state.

This certificate is in due form, made by me as the proper officer, and is entitled to have full faith and credit given it in every court and office within the United States.

In testimony whereof, I have hereunto set my hand, in the City of Lansing, this 27th day of January, 2012.

 Director

Bureau of Commercial Services



Insituform
Technologies USA, LLC

17988 Edison Avenue
Chesterfield, MO 63005
www.aegion.com

Insituform Technologies USA, LLC is a subsidiary of Aegion Corporation

Insituform Personnel Company Resume

Robert Tullman, President & Chief Executive Officer

Mr. Tullman serves as our President and Chief Executive Officer. Most recently, Mr. Tullman served in the position as a Senior Advisor at New Mountain Capitol. Mr. Tullman is also the former President and CEO of USIC, the largest underground utility-locating business in North America. Mr. Tullman has 30 years of experience in Energy, Infrastructure and Utility Services. Mr. Tullman received his Bachelor of Chemical Engineering degree at the University of Delaware and his MBA at Duke University.

Ralph Western, President, Senior Vice President and General Manager

Mr. Western serves as Vice President and General Manager of Infrastructure Solutions and is responsible for the overall growth and profitability of Aegion's Infrastructure Solutions platform. Mr. Western has been with Aegion for more than 10 years and has almost 25 years of experience in the manufacturing and engineering sector and has his MBA from Wesleyan University. He has a proven track record of driving productivity improvement and delivering results during his tenure at Aegion.

David F. Morris, Executive Vice President

Mr. Morris joined Aegion in 2005 as our Vice President, General Counsel and Secretary from the law firm of Thompson Coburn LLP, where he was a partner in its corporate and securities practice areas. He became our Chief Administrative officer in 2007 and was promoted to Executive Vice President in 2014 and appointed Chief Financial Officer in November 2017.

Monta M. Bolles, Chief Administrative Officer and Secretary

Ms. Bolles serves as Chief Administrative Officer and Secretary. She has more than 20 years' experience leading Legal, Human Resources, Compliance and Corporate Communications teams in public and large (\$1B+) Private Equity backed companies, specializing in field services. In her most recent role, Ms. Bolles was General Counsel at USIC, the largest utility locating company in the US (10,000+ employees), where she was responsible for a wide variety of legal and compliance matters across 46 states. Prior to USIC, Monta served dual roles as VP, General Counsel and VP, Global HR for Granite Services, a GE Company. While at Granite, Monta led greenfield start-ups in more than 20 countries across Europe, Asia and Africa. In her early career, Monta spent four years at GE's Corporate headquarters as Employment Law Counsel and a combined 7 years in private practice with Holland & Knight and Foley & Lardner. Monta graduated with a degree in Communications from Florida State University and earned her law degree from the University of Florida.



Insituform
Technologies USA, LLC

17988 Edison Avenue
Chesterfield, MO 63005
www.aegion.com

Insituform Technologies USA, LLC is a subsidiary of Aegion Corporation

Kent W. Bartholomew, Senior Vice President and Deputy General Counsel

Mr. Bartholomew joined Aegion in 2013 as the Securities & Corporate Counsel from the law firm of Bryan Cave LLP, where he was a member of the M&A and Securities department. He became Vice President and Associate General Counsel in April 2015, Vice President and General Counsel, Corrosion Protection in April 2017, Vice President and Deputy General Counsel in January 2019 and Senior Vice President and Deputy General Counsel in May 2021. Mr. Bartholomew received his B.S. degree in Economics from the University of California San Diego in 2000, a J.D. degree from the Saint Louis University School of Law in 2008 and his MBA from University of North Carolina in 2016.

John L. Heggemann, Senior Vice President, Controller and Chief Accounting Officer

Mr. Heggemann serves as our Senior Vice President, Corporate Controller and Chief Accounting Officer, a position he has held since June 2019. He served as our Vice President – Operational Finance, Middle East and Asia Pacific from April 2018 to June 2019. Prior to that, Mr. Heggemann served as our Senior Controller and Director of Cost Accounting in the Corrosion Protection Platform and as a Plant/Manufacturing Controller and Senior Financial Analyst in the Infrastructure Solutions Platform. Mr. Heggemann has been with the Company since August 2013 and previously worked for the Company from September 2001 to September 2006. Mr. Heggemann served in finance-related roles with Spartan Showcase, a division of Leggett & Platt, Inc., and with Carboline Company, a division of RPM International Inc., from September 2006 to August 2013.

Donald E. Hake, Vice President and Treasurer

Mr. Hake serves as the Vice President and Treasurer. Mr. Hake joined Aegion in 2018 as Vice President and Assistant Controller. He has over 30 years of experience in financial reporting, tax, treasury and controllership/finance. Prior to Aegion he was held a range of positions in finance; CFO, Corporate Controller and Treasurer at both public and private companies in St. Louis. He graduated from Indiana University with a BS in Accounting and Washington University with an Executive MBA. He holds CPA certificates from both Indiana and Missouri.



Insituform
Technologies USA, LLC

Kenneth R. Quillen Jr.
Cell: 989-277-6046
Kquillen@insituform.com

OBJECTIVE:

To obtain a position that involves the Direction, Supervision and Management of a Regional Area, troubleshooting problems, evaluating office performance and focusing on maintaining company standards and values.

SUMMARY OF QUALIFICATIONS:

Experienced, highly dedicated, highly motivated and honest supervisor with a strong work ethic and Thirty-plus years of documented success in High Level Management and Construction. Achieved success through team building, quality control, strategic planning, training, communications, problem solving, and negotiation while providing Project Operational Leadership with an International Sewer Lining Corporation (Insituform) and serving in various Leadership Positions while serving in the U.S. Army. Visionary who synthesizes facts, events and concepts to develop realistic and long-range plans. Very successful in balancing cost and quality with project development and delivery timelines. Able to achieve the highest standards in a myriad of ways; receiving numerous awards for performance and job completion; coining the phrase "To Standard, at Budget and on Time". Excellent computer skills, proficient in Microsoft Office (Power Point, Excel, Word & Access) Literate in professional computer applications such as EIS, JCDC, JDE and various Project Management and Project Tracking programs.

ACCOMPLISHMENTS:

OPERATIONS / PROJECT / SR. PROJECT/ FACILITY MANAGER (INSITUFORM)

- Oversight of the Project Management Teams for Great Lakes Operation. Responsible for the, supervision, training and develop of the Indiana and Illinois Project Managers
- When asked I reorganized and restructured two area offices setting them up for long term success.
- Managed all operational requirements of Michigan area including project planning, project execution, crew utilization and equipment / resource allocation.
- As Sr. Project Manager I ensured that each Great Lakes office meet project goals and objectives and that everything was accomplished in accordance with company policies and values, outlined priorities, time requirements, and estimated funding conditions.
- As the Sr. Project Manager with many offices I have the ability to prioritize, delegate and control administrative workflow to manage all aspects of construction.
- Handled multiple projects simultaneously and meet all required deadlines and milestones. Facilitated weekly sessions and unit meetings to assess progress and resolve problems.
- Directed and coordinated activities of project personnel to ensure project progresses on schedule and within prescribed budget. Reviewed status reports prepared by project personnel and modified schedules or plans as required.
- Retired from the US Army As a Sr. Operation Manager. Received many awards and declarations. My military record was unblemished.

LEADERSHIP & MANAGEMENT

- Not afraid to make a decision when needed and will stand behind any decision made.
- Honest, dedicated and direct. The same always not wavering in leadership. Steadfast!
- Effective, versatile manager recognized for powerful communications skills and the ability to handle high-pressure situations in a professional and effective manner.
- Skilled at bringing a diverse group of people together to pursue a common goal within a firm or among partner institutions in a professional and effective manner.
- Earned Respect of superiors and subordinates with proven ability to obtain high performance levels from employees while maintaining a pleasant working atmosphere.
- Managed and maintained \$10 Million worth of equipment and real property with zero losses of accountability.
- Achieved nothing but commendable ratings and a 100 percent pass rate during all-major construction projects and equipment taskings. Received numerous awards for empowering others to achieve excellence.

EXPERIENCE

- Insituform Technologies, USA, LLC. Detroit, Michigan
Sr. Project Manager / Operations Manager, 2002- Current
- Insituform Technologies, USA Inc. Owosso, Michigan
Project Operations / Facility Manager, 2000- 2002

US Army 1980 – 2000 Various Position Highlights

- Headquarters, 937th Engineer Group, US Army, Fort Riley, Kansas:
Senior Operations Manager/S3, 1999 – 2000
- Training Support Brigade, 5th US Army, Fort Riley, Kansas:
Military Support to Civil Authorities NCOIC, 1997 – 1999
- From 1980 to 1997:
Platoon / First Sergeant, 1994 - 1997
Company Operations Manager, 1992 - 1994
Senior Drill Sergeant, 1987 – 1990
Squad Leader/Platoon Sergeant (Sergeant Morales Member), 1984-1987
Basic Demolitions and Munitions / Airborne Soldier, 1980 – 1983

Prior US Army

- General Devices Inc. Indianapolis, Indiana:
Facility Maintenance, 1979 – 1980

EDUCATION

Civilian Education:

- Civil Engineering, University of Missouri (while stationed at Ft Leonard Wood, MO) – Rolla, MO 1991-94
- Construction Management, Codes and Cost Estimation, Park College, Ft Leonard Wood, MO 1989-90
- Business Math, Math, English and American Literature, Park College, Ft Leonard Wood, MO 1987-89
- Construction Management, Indiana University, Bloomington, IN 1979-80
- Perry Meridian High School Graduate 1979

Military Education:

- Emergency Information System, San Antonio TX 1997
- Defense Packaging of Hazardous Materials for Transportation, Vilsek, Germany 1995
- Advanced Noncommissioned Officers Course, Fort Leonard Wood, MO 1994
- Operational Radiation Safety Course, Fort Leonard Wood MO 1993
- Horizontal Construction Supervisors Course, Fort Leonard Wood MO 1990
- Drill Sergeant School, Fort Leonard Wood, MO 1988
- Nuclear, Biological & Chemical Course, Fort Leonard Wood MO 1988
- Basic Noncommissioned Officers Course, Hoenfels, Germany 1985
- Primary Noncommissioned Officers Course, Fort Benning, GA 1983
- Operators Maintenance Course Eschborn, Germany 1980

INSITUFORM TECHNOLOGIES USA, LLC

FINANCIAL INFORMATION

BONDING

Bonding Company:

Travelers Casualty & Surety Company of America
One Tower Square, 13CZ
Hartford, CT 06183
Blake Messer (314)579-8309
A.M. Best Rating A++

Broker:

Marsh & McLennan Agency
825 Maryville Centre Drive, Suite 200
St. Louis, MO 63017
Andrew Thome (314)594-2700

Bonding Capacity \$500,000,000

INSURANCE

Insurance Company:

XL Insurance Company of America/Greenwich Insurance Co.
200 Liberty Street, One World Financial Center
New York, NY 10281
Nancy Rummel (317)374-0657

Broker:

Lockton Companies / St. Louis
Three Cityplace Drive, Suite 900
St. Louis, MO 63141
Carol Henzler (314)432-0500

AM Best Ratings:

Auto – ACE American / AM Best Rating: A++ XV
WC – Indemnity Ins. Co. of North America / AM Best Rating: A++, XV
GL – Greenwich Insurance Company / AM Best Rating: A+, XV

BANKING

Banking:

Bank of America
800 Market Street
St. Louis, MO 63101
Kevin Knopf (314)466-7726

REFERENCES

Trade Reference:

AOC

19991 Seaton Avenue, Perris, CA 92570
Joe Simpson (901)854-2846
jsimpson@aoc-resins.com

Ashland

Todd Hritz
(615) 790-4631
tshritz@ashland.com

Interplastic Corp

Steve Wetzel
(651) 481-6582
swetzel@interplastic.com



Marsh & McLennan Agency LLC
825 Maryville Centre Drive, Suite 200
St. Louis, MO 63017
+1 314 594 2700
MarshMMA.com

January 5, 2021

Re: Insituform Technologies USA, LLC

To Whom It May Concern:

Insituform Technologies USA, LLC is a valued Travelers Casualty and Surety Company of America surety customer. Travelers Casualty and Surety Company of America is one of the most financially sound insurance companies in the United States and enjoys a Best Rating of A++ with financial strength category of XV.

Due to Insituform Technologies USA, LLC's reputation, technical expertise, financial strength, quality equipment and experienced labor force, Marsh & McLennan Agency LLC is prepared to consider performance and payment bonds for single jobs in the \$250,000,000 range with an aggregate work program of \$700,000,000.

Should a project be awarded to and accepted by Insituform Technologies USA, LLC, we are prepared to consider providing the required bonds on their behalf. Any bonds are subject to acceptable review of the contract terms and conditions, bond forms, confirmation of financing, and any other underwriting considerations at the time of the request. It should be understood that any arrangement for bonds is strictly a matter between Insituform Technologies USA, LLC and Travelers Casualty and Surety Company of America. We assume no liability to third parties or to you if for any reason we do not execute said bonds.

Please feel free to contact me if you have any specific questions regarding Insituform Technologies USA, LLC or their surety bond program.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew P. Thome".

Andrew P. Thome, President & CEO

TRAVELERS

Bilka Messer
Account Executive Office
Travelers Bond
(614) 870-0300
(314) 670-0300 (fax)

880 West Port Plaza,
Suite 460
St. Louis, MO 63143

January 9, 2010

RE: Instiform Technologies USA, LLC

To Whom It May Concern:

Instiform Technologies USA, LLC is a valued Travelers Casualty and Surety Company of America surety customer. Travelers Casualty and Surety Company is one of the most financially sound insurance companies in the United States and enjoys a Best Rating of A++ with financial strength category of XV, the highest rating awarded.

Due to Instiform Technologies USA, LLC's reputation, technical expertise, financial strength, quality equipment and experienced labor force, Travelers Casualty and Surety Company of America is prepared to execute performance and payment bonds for single jobs in the \$200,000,000 range with an aggregate work program of \$500,000,000. Over the past five years, we have issued \$1,365,322,172.00 in total bonded liability without any losses.

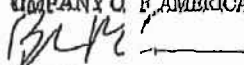
Over the course of Travelers Casualty and Surety Company's relationship with Instiform Technologies USA, LLC we have never had a complaint as respects any of their workmanship or a question as to their ability to perform on any project. Additionally, Instiform Technologies USA, LLC pro-active approach to a safe worksite and a safe labor force enables owners to rest assured that a safe work environment will be provided.

Should a project be awarded to and accepted by Instiform Technologies USA, LLC we are prepared to consider providing the required bonds on their behalf. Any bonds are subject to acceptable review of the contract terms and conditions, bond forms, confirmation of insuring, and any other underwriting considerations at the time of the request. It should be understood that any arrangement for bonds is strictly a matter between Instiform Technologies USA, LLC, and Travelers Casualty and Surety Company of America. We assume no liability to third parties or to you if for any reason we do not execute said bonds.

Please feel free to contact me if you have any specific questions regarding Instiform Technologies USA, LLC or their surety bond program.

Regards,

TRAVELERS CASUALTY AND SURETY
COMPANY OF AMERICA


Bilka Messer
Account Executive Office



Insituform Technologies USA, LLC
17988 Edison Avenue
Chesterfield, MO 63005
www.aegion.com

October 12, 2021

LETTER FOR RECORD

To Whom It May Concern:

Insituform Technologies USA, LLC ("Insituform") is a subsidiary of Aegion Corporation ("Aegion") a \$1 billion revenue, international company.

Regulatory Matters

Insituform's activities are regulated by several federal, state and local agencies to varying degrees, such as the DOT and state contractor licensing boards. Because of the size of Insituform, one or more regulatory agencies may be auditing or investigating aspects of its business at any given time, including OSHA and DOT. Insituform is not engaged in any pending state contractor licensing investigations or controversies.

Liabilities, Liens and Judgments

Insituform may occasionally have valid bills paid later than normal credit terms and improper bills that are protested. There are no outstanding, unsatisfied liens (which are not being protested) or judgments against Insituform.

Lawsuits

At any given time, in the ordinary course of business, Insituform is involved in various civil claims and suits relating to vehicle accidents, other property damage or personal injury matters, commercial disputes (including subcontractor disputes and customer payment disputes), employee litigation and other matters.

Very truly yours,

INSITUFORM TECHNOLOGIES USA, LLC

By: 

Ted J. Grimes

Associate Counsel

(636) 248-1250

tgrimes@aegion.com

EQUIPMENT LIST

Asset Revenue BU	Unit Number	Description	Serial Number	Mdl Yr	Business Unit
9156	15929	COMBO CLNR KEN T880 19	1NKZL40X0KJ285426	19	9156
9156	387163	FORKLIFT G943A GLD 8000LB	0160043633		9156
9156	AC1017	INVERTER AIR CHIP I 05		05	9156
9156	AC1018	INVERTER AIR CHIP I 07		07	9156
9156	AC1020	INVERTER AIR CHIP I 06		06	9156
9156	AC1069	INVERTER AIR CHIP I 09		09	9156
9156	AC1094	INVERTER AIR CHIP I 17		17	9156
9156	AC1095	INVERTER AIR CHIP I 17		17	9156
9156	AC1096	INVERTER AIR CHIP I 17		17	9156
9156	ACR6110	AIR COMPRESSOR 375 CFM DOO 17	4FVCCBBA7HU482396	17	9156
9156	ACR6111	AIR COMPRESSOR 375 CFM DOO 17	4FVCCBBA9HU482397	17	9156
9156	ACR6112	AIR COMPRESSOR 375 CFM DOO 17	4FVCCBBA0HU482398	17	9156
9156	ACR6113	AIR COMPRESSOR 375 CFM DOO 17	4FVCCBBA2HU482399	17	9156
9156	BTK5038	BOILER TK C 140 HP INT 2674 01	1HTGLAET81H354899	01	9156
9156	BTK5583	BOILER TK W 200 HP INT 7500 05	1HTWNAZT45J155086	05	9156
9156	BTK6227	BOILER TK W 200 HP PTR 348 19	2NP3LJOX2KM616773	19	9156
9156	BTK6228	BOILER TK C 140 HP PTR 348 19	2NP3LJOX7KM616770	19	9156
9156	BTK7207	BOILER TK W 200 HP INT 7500 09	1HTWNAZT39J188943	09	9156
9156	BTK7431	BOILER TK C 140 HP INT 7500 11	1HTWNAZT5BJ337150	11	9156
9156	BTK8818	BOILER TK C 150 HP KEN T400 14	1NKBLJ0X6EJ414063	14	9156
9156	BTK9888	BOILER TK C 150 HP PTR 348 18	2NP3LJOX5JM461814	18	9156
9156	CRLU5101817	TRAILER VAN FRUEHAUF 40'			9156
9156	CRLU5102942	CONTAINER REEFER 40' PLM	CRLU 510 294 2		9156
9156	CRLU9141464	TRAILER VAN FRUEHAUF 40'			9156
9156	DGAI37	INVERTER DGAI 48" 16		16	9156
9156	DGAI42	INVERTER DGAI 48" 17		17	9156
9156	DGAI44	INVERTER DGAI 48" 17		17	9156
9156	DGR5829	TRAILER INVERTER DGAI	1B9TS23206M274324	06	9156
9156	DGR6282	TRAILER INVERTER DGAI 18	1B9TS2125JM274721	18	9156
9156	DGR6291	TRAILER INVERTER DGAI 18	1B9TS2129JM274722	18	9156
9156	DGR6292	TRAILER INVERTER DGAI 18	1B9TS2129JM274723	18	9156
9156	FBK9113	FLATBED FORD F550 4X2 15	1FD0W5GTXFEB37465	15	9156

9156	FBK9599	FLATBED FORD F550 4X2 16	1FD0W5GT8GEA85335	16	9156
9156	FBK9698	FLATBED FORD F550 4X2 D 16	1FD0W5GT7GEC58388	16	9156
9156	FBK9699	FLATBED FORD F550 4X2 D 16	1FD0W5GT9GEC58389	16	9156
9156	FBR1207	TRAILER UTILITY REDI HAUL 88	1R9S142T4J1109651	88	9156
9156	FLT1250	FORKLIFT 7000# CLARK 91	Y685-0162-8415K0F	91	9156
9156	HWC132	INVERTER CHIP HOT WATER 04		04	9156
9156	HWC134	INVERTER CHIP HOT WATER 05		05	9156
9156	HWC135	INVERTER CHIP HOT WATER 05		05	9156
9156	HWC136	INVERTER CHIP HOT WATER 04		04	9156
9156	HWC137	INVERTER CHIP HOT WATER 05		05	9156
9156	HWC138	INVERTER CHIP HOT WATER 05		05	9156
9156	HWC139	INVERTER CHIP HOT WATER 18		18	9156
9156	HWC141	INVERTER CHIP HOT WATER 18		18	9156
9156	ITK1401	BOILER TK C 150 HP INT 8100 00	1HTHCADR3YH316470	00	9156
9156	ITK2601	BOILER TK C 140 HP INT 8100 00	1HTHCADR7YH316469	00	9156
9156	JTK5474	JETTER TRK 80 FRT M2-106 12	1FVACXDTXCHBK1074	12	9156
9156	JTK6001	JETTER TRK 80 KEN T370 18	2NKHHM7X8JM197718	18	9156
9156	JTK6121	JETTER TRK 80 KEN T370 18	2NKHHM7X9JM216275	18	9156
9156	JTK6189	JETTER TRK 80 PTR 337 19	2NP2HM7X2KM612002	19	9156
9156	JTK6230	JETTER TRK 80 KEN T370 19	2NKHHM7X1KM294518	19	9156
9156	JTK6231	JETTER TRK 80 KEN T370 19	2NKHHM7X3KM294519	19	9156
9156	JTK6340	JETTER TRK 80 KEN T370 19	2NKHHM7XXKM364632	19	9156
9156	JTK7434	JETTER TRK 80 INT 4400 11	1HTMKAZN3BH344493	11	9156
9156	JTK9089	JETTER TRK 40 FORD F550 15	1FDUF5GT0FEB13015	15	9156
9156	JTK9855	JETTER TRK 80 PTR 337 17	2NP2HM7X0HM440903	17	9156
9156	MRFM101	INVERTER MRFM 09		09	9156
9156	MRFM116	INVERTER MRFM			9156
9156	MRFM125	INVERTER MRFM			9156
9156	MRFM133	INVERTER MRFM 16		16	9156
9156	MRFM138	INVERTER MRFM 17		17	9156
9156	MRFM144	INVERTER MINI RFM 18		18	9156
9156	MRFM145	INVERTER MRFM 18		18	9156
9156	MRFM146	INVERTER MINI RFM 18		18	9156
9156	PMP5472	PUMP 6" BYPASS GODWIN			9156

9156	PMP5473	PUMP 6" BYPASS GODWIN		9156
9156	PPR5779	HYDRAULIC PP TRL H&H	2836	9156
9156	PTK6120	PICKUP FORD F250 4X4 17	1FT7W2B6XHEF00398	9156
9156	PTK6361	PICKUP FORD F250 4X4 19	1FT7W2B62KED55395	9156
9156	PTK8702	PICKUP FORD F250 4X4 14	1FT7W2B64EEA43972	9156
9156	PTK9327	PICKUP FORD F150 4X4 14	1FTFW1EF8EKG10591	9156
9156	PTK9455	PICKUP FORD F250 4X4 15	1FT7W2B64FEC66188	9156
9156	PTK9672	PICKUP FORD F250 4X4 16	1FT7W2B69GEB79954	9156
9156	PTK9673	PICKUP FORD F250 4X4 16	1FT7W2B67GEB79953	9156
9156	PTK9973	PICKUP FORD F250 4X4 17	1FT7W2B65HED60311	9156
9156	PTK9975	PICKUP FORD F250 4X4 17	1FT7W2B61HED60323	9156
9156	PVS1006	PORTABLE VIDEO SYSTEM ARIES 09		9156
9156	RFM007	INVERTER RFM AIR 06		9156
9156	RFM022	INVERTER RFM AIR 06		9156
9156	RFM055	INVERTER RFM 17		9156
9156	RFM056	INVERTER RFM 17		9156
9156	RFM058	INVERTER RFM AIR 17	FA637431	9156
9156	RFM074	INVERTER RFM 07		9156
9156	RTK6102	REEFER TRK TA PTR TK 18	2NP3LJ0X5JM486793	9156
9156	RTK6233	REEFER TRK TA PTR 348 TK 19	2NP3LJ0X0KM616402	9156
9156	RTK7050	REEFER TRK TA FRT M2106 CR 07	1FVHCYDC07HY32810	9156
9156	RTK9862	REEFER TRK TA PTR 348 TK 17	2NP3LJ0X6HM442540	9156
9156	TTK8082	TOOL TRUCK INT 4300 05	1HTMMAAN45H159413	9156
9156	TTK9925	TOOL TRUCK PTR 220 18	3BPPHM6X5JF591609	9156
9156	TTK9926	TOOL TRUCK PTR 220 18	3BPPHM6X1JF591610	9156
9156	TTK9974	TOOL TRUCK PTR 220 18	3BPPHM6X5JF591643	9156
9156	TTR5460	TOOL TRAILER TVL 18' 04	4DYBS182941024750	9156
9156	TTR7180	TOOL TRAILER TVL 24' 09	4DYGS242191028686	9156
9156	TTR7441	TOOL TRAILER TVL 24' 10	4DYGS2428A1029306	9156
9156	TVK5414	TV TRUCK VI/ARIES INTL 4300 05	1HTMMAAL05H681034	9156
9156	TVK6229	TV TRUCK VI/ARIES FORD F550 18	1FDUF5GT2JEC46030	9156
9156	TVK7432	TV TRUCK VI/ARIES INTL 4300 11	1HTMNAALXBH319219	9156
9156	TVK7486	TV TRUCK VI/ARIES INTL 4300 11	1HTMNAAL9BH377533	9156
9156	TVK9137	TV TRUCK VI FORD F550 15	1FDUF5GT6FEA62734	9156

9156	TVK9501	TV TRUCK IB FORD F550 15	1FUDF5GT1FED57031	15	9156
9156	TVK9549	TV TRUCK VI FORD F550 15	1FDUF5GT3FED57032	15	9156
9156	TVK9668	TV TRUCK IB FORD F550 16	1FDUF5GT0GEC16789	16	9156
9156	TVK9681	TV TRUCK IB FORD TRANSIT 16	1FTRS4XG4GKB14951	16	9156
9156	TVK9777	TV TRUCK IB FORD F550 17	1FDUF5GT6HEB41582	17	9156
9156	WHL5526	LOADER WHEEL KOM WA200PT 04	KMTWA067V57A89018	04	9156
9156	WTK5585	WATER TRUCK 3000 FORD L8000 85	1FDYU80U6FVA72756	85	9156



CERTIFICATE OF REGISTRATION

This is to certify that

Insituform Technologies, LLC

Headquarters

17999 Edison Avenue, Chesterfield, Missouri, 63005, USA

Refer to Attachment to Certificate of Registration dated July 6, 2021 for additional certified sites

operates a

Quality Management System

which complies with the requirements of

ISO 9001:2015

for the following scope of certification

Design, development, manufacturing and installation of products for the rehabilitation of pipelines using trenchless technology. Certification of installation services is non-transferrable and applies only when performed directly by Insituform Technologies, LLC.

Certificate No.: CERT-0133635

File No.: 1650845

Issue Date: July 6, 2021

Original Certification Date: February 11, 2014

Certification Effective Date: March 16, 2020

Certification Expiry Date: March 13, 2023

Frank Camasta
Global Head of Technical Services
SAI Global Assurance



Registered by:
QMI-SAI Canada Limited (SAI Global), 20 Carlson Court, Suite 200, Toronto, Ontario M9W 7K6 Canada. This registration is subject to the SAI Global Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, SAI Global accepts responsibility only for proven negligence. This certificate remains the property of SAI Global and must be returned to them upon request. To verify that this certificate is current, please refer to the SAI Global On-Line Certification Register:
https://www.saiglobal.com/en-us/assurance/auditing_and_certification/certification_register/



SAI GLOBAL

INFORM. INSPIRE. IMPROVE.

ATTACHMENT TO CERTIFICATE OF REGISTRATION

These sites are registered under Certificate No: CERT-0133635 issued on July 6, 2021

File No.		Effective Date
1650845	Insituform Technologies, LLC Headquarters 17999 Edison Avenue, Chesterfield, Missouri, 63005, USA Design, development, manufacturing and installation of products for the rehabilitation of pipelines using trenchless technology.	March 16, 2020
1650848	Insituform Technologies, LLC Wetout 7605 18th Street, Edmonton, Alberta, T6P 1N9, Canada Manufacturing.	March 16, 2020
1650849	Insituform Technologies, LLC Wetout 912 Stanton Road, Olyphant, Pennsylvania, 18447, USA Manufacturing.	March 16, 2020
1650850	Insituform Technologies, LLC Wetout 468 Cypress Road, Ocala, Florida, 34472, USA Manufacturing.	March 16, 2020
1650851	Insituform Technologies, LLC Wetout 2255 W. 850 N., Cedar City, Utah, 84721, USA Manufacturing.	March 16, 2020
1650853	Insituform Technologies, LLC West Operations 9654 Titan Court, Littleton, Colorado, 80125, USA Preparation and Installation.	March 16, 2020
1650854	Insituform Technologies, LLC Manufacturing 160 Corporate Drive, Batesville, Mississippi, 38606, USA Manufacturing.	March 16, 2020

These registrations are dependent on Insituform Technologies, LLC Headquarters (File No. 1650845) maintaining their scope of registration to ISO 9001:2015



ATTACHMENT TO CERTIFICATE OF REGISTRATION

These sites are registered under Certificate No: CERT-0133635 issued on July 6, 2021

1650855	Insituform Technologies, LLC Wetout 2130 Stout Field West Drive, Indianapolis, Indiana, 46241, USA Manufacturing.	March 16, 2020
1650856	Insituform Technologies, LLC Wetout 3061 Dublin Circle, Bessemer, Alabama, 35022, USA Manufacturing.	March 16, 2020
1650857	Insituform Technologies, LLC Wetout 6526 Bluebonnet Parkway, McGregor, Texas, 76657, USA Manufacturing.	March 16, 2020
1650858	Insituform Technologies, LLC Wetout 91-255 Kalaeloa Boulevard, Kapolei, Hawaii, 96707, USA Manufacturing.	March 16, 2020
1650859	Insituform Technologies, LLC Midwest Operations 580 Goddard Avenue, Chesterfield, Missouri, 63005, USA Preparation and Installation.	March 16, 2020
1650860	Insituform Technologies, LLC Canada Operations 5743 - 68 Avenue NW, Edmonton, Alberta, T6B 3P8, Canada Preparation and Installation.	March 16, 2020
1650864	Insituform Technologies, LLC Atlantic Operations 253 B Worcester Road, Charlton, Massachusetts, 01507, USA Preparation and Installation.	March 16, 2020

These registrations are dependent on Insituform Technologies, LLC
Headquarters (File No. 1650845) maintaining their scope of registration to
ISO 9001:2015



ATTACHMENT TO CERTIFICATE OF REGISTRATION

These sites are registered under Certificate No: CERT-0133635 Issued on July 6, 2021

1650866	Insituform Technologies, LLC Southeast Operations 6966 Business Park Blvd. North, Jacksonville, Florida, 32256, USA Preparation and Installation.	March 16, 2020
1650874	Insituform Technologies, LLC Gulf South/Southwest Operations 13502 Almeda School Road, Houston, Texas, 77047, USA Preparation and Installation.	March 16, 2020
1699161	Insituform Technologies LLC Wetout 7940 Boulevard Industriel, Chambly, Québec, J3L 4X3, Canada Manufacturing.	March 16, 2020

These registrations are dependent on Insituform Technologies, LLC
Headquarters (File No. 1650845) maintaining their scope of registration to
ISO 9001:2015





Insituform Technologies, LLC
17999 Edison Avenue
Chesterfield, MO 63005
Tel: 636.530.8000
Fax: 636.530.8744
www.insituform.com

CERTIFICATE OF COMPLIANCE

January 21, 2021

To Whom It May Concern:

This letter certifies that INSITUFORM tubes are manufactured in Batesville, Mississippi, USA, by Insituform Technologies, LLC and meet all relevant specifications for a cured-in-place pipe product: ASTM D 5813, ASTM F 1216, and ASTM F 1743. Insituform tubes have been manufactured in the USA since 1981.

The finished tube is manufactured using multiple layers of polyester felt, with one layer coated with either a Polypropylene or Polyurethane thermoplastic. The layers are cut/slit to the desired width and sewn concentrically to form the final tube. The coated layer is also sealed at the seam, using an extrusion or taping process. The extrusion process is used on the standard (inverted) tubes. The standard (inverted) tubes are manufactured with the coated layer on the outside.

Felt production is achieved by a non-woven needle punch process using Polyester fiber. The finished product is tested for thickness under a specified load and for tensile strength in accordance with ASTM D 5813. The fabric tube has a minimum tensile strength of 750 psi (5 MPa) in both the longitudinal and the transverse direction. The seam strength of the tube is also tested on a regular basis and meets or exceeds the minimum tensile strength of 750 psi (5 MPa) in both longitudinal and transverse direction. For Quality Assurance purposes, the material is also tested for weight and thickness.

All standard (inverted) tubes are run through a dye bath prior to shipment to ensure there are no leaks. Following the inspection process all tubes (except InsituMain, which are used in water lines) are printed with yard marks.

All tubes with tapers, transitions, or any change in tube diameter or thickness are produced under the same specifications, with the same materials, and meet the same material testing requirements as the standard tube.

The quality system used by Insituform Technologies, LLC is ISO 9001:2015 certified.

The end use of the Insituform tube is to rehabilitate pipes to extend the life of the existing pipe and/or prevent a replacement of the existing pipe.

Please contact us directly with any questions you may have.
Sincerely,

INSITUFORM TECHNOLOGIES, LLC

Abu
Abraham
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Abu
Abraham
2021-01-21
14:10-06:00

Abu Abraham
Director, Engineering



Insituform Technologies, LLC
 17999 Edison Avenue
 Chesterfield, MO 63005
 Tel: 636.530.8000
 Fax: 636.530.8744
 www.insituform.com

INSTALLER CERTIFICATE

January 21, 2021

To Whom It May Concern:

Please be advised that Insituform Technologies, LLC is a vertically integrated pipeline rehabilitation company. As such, Insituform is not only the manufacturer of the cured-in-place pipeline rehabilitation system of the same name, but also offers the benefits of a comprehensive engineering department, with engineers on staff for design of CIPP products to suit each specific situation. Regional contracting offices perform and support all field services including installation.

This letter shall serve to certify that Insituform Technologies USA, LLC is authorized to install Insituform products supplied by Insituform Technologies, LLC.

Sincerely,

INSITUFORM TECHNOLOGIES, LLC

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 m

Abu
 Abraham
 2021-01-21
 14:10-06:00

Abu Abraham
 Director, Engineering



AIA[®]

Document A310™ – 2010

Bid Bond

CONTRACTOR:

(Name, legal status and address)

INSITUFORM TECHNOLOGIES USA, LLC
17988 Edison Avenue
Chesterfield, MO 63005

SURETY:

(Name, legal status and principal place of business)

Travelers Casualty And Surety Company Of America
One Tower Square
Hartford, CT 06183

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

OWNER:

(Name, legal status and address)

City of Hillsdale Michigan
Office of the City Clerk
97 N. Broad Street
Hillsdale, MI 49242

Mail Notices To:

Travelers
Attn: Surety Claim Dept.
One Tower Square 2S1A
Hartford, CT 06183

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

BOND AMOUNT: Five Percent of the Amount Bid ----- dollars (\$ 5% of Amount Bid)

PROJECT: Hillsdale City – Sanitary Sewer Lining

(Name, location or address, and Project number, if any)

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 28th day of October, 2021

Gina Gurrier
(Witness)
Gina Gurrier
Contracting & Attesting Officer

Ursula Youngblood (Seal)
INSITUFORM TECHNOLOGIES USA, LLC
(Principal)
(Title) Ursula Youngblood, Contracting & Attesting Officer

Donna Robson
(Witness) Donna Robson, Witness

Andrew P. Thome
Travelers Casualty And Surety Company Of America
(Surety)
(Seal)
(Title) Andrew P. Thome, Attorney-In-Fact

State of Missouri
County of St. Louis

On 10/28/2021, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared Andrew P. Thome known to me to be Attorney-in-Fact of

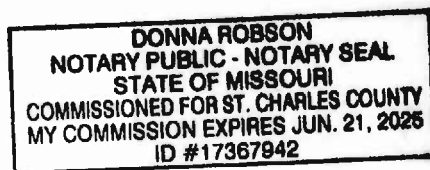
TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.



Donna Robson, Notary Public



My Commission Expires: _____

DOMA ROBSON
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI
COMMISION EXPIRES JUN 30 2028
11 W. WILSON



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

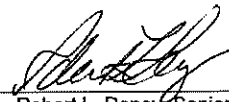
KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **ANDREW P THOME** of **CHESTERFIELD**, Missouri, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, 2021.



State of Connecticut

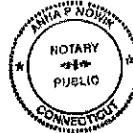
City of Hartford ss.

By: 
Robert L. Raney, Senior Vice President

On this the **21st** day of **April**, 2021, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, 2026




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **28** day of **October**, 2021.




Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.**

City of Hillsdale Board of Public Utility Agenda Item Summary

Meeting Date: November 9, 2021

Agenda Item #: New Business

SUBJECT: M-99 Sanitary Sewer Replacement

BACKGROUND PROVIDED BY STAFF: Jeff Gier, Superintendent of Water and Sewer
Kristin Bauer, City Engineer

PROJECT BACKGROUND:

In September 2021, the City’s contractor was completing video inspections of pipe sections under M-99 and the camera fell into a void in the bottom of the pipe. This required an opening of the roadway to retrieve the camera and fix the failed pipe section. During this work, the adjacent pipe was found to be in fragile condition making the pipe repair connections difficult.

At the time of the Request for Proposal (RFP) for Sewer Lining we received video footage of a 500 LF section of sanitary sewer pipe under M-99 that may not be able to utilize the proposed Cured-In-Place Pipe System (CIPP). As such and in the interest of time for this repair we requested unit price bids for replacement of a 500 LF of sanitary sewer by open-cut construction.

On October 28, 2021, the city received 4 responses to our advertised bid request, shown below:

BIDDER	SEWER REPLACEMENT
Parrish Excavating	\$173,814.00
Concord Excavating	\$187,560.00
Hoffman Brothers, Inc	\$263,776.00
Apex Excavating & Underground, LLC	\$340,345.20

It is possible that the pipe condition will be amenable to lining and this contract will not be required, however due to the condition of the pipe we are requesting to have this contract awarded and available to execute once firm determinations are made regarding whether lining is a viable option. We have discussed these conditions with the low bidder, and he understands that this contract could be cancelled and/or move forward as determinations are made by the awarded lining contractor.

We have also discussed options, with the apparent low bidder, for cost reductions by changing the location of the sanitary sewer pipe to place it under the grass rather than under the pavement. This location change could reduce the restoration costs to the city by approximately \$90,000. The low bidder is willing to work with the city on this contract to get the work done and potentially reduce our costs for the work while utilizing his presented unit price bids.

RECOMMENDATION:

Staff recommends the BPU Board support award by City Council of this unit price contract to the low bidder, Parrish Excavating of Quincy, MI in an amount not to exceed \$173,814.00.

City staff will work with both this contractor and the contractor awarded the sewer lining work to determine the best options available for repair of this sewer, as well as the most economical solution for this repair utilizing this bid and that for the sewer lining.



**CITY OF HILLSDALE, MICHIGAN
ADVERTISEMENT FOR BIDS**

The City of Hillsdale is committed to the concept of competitive proposals. All Contractors are encouraged to submit proposals which conform to the stated specifications, or approved equal to the specification, which in the contractor's opinion would be beneficial to the City of Hillsdale in terms of price and performance. The City of Hillsdale reserves the right to accept or reject any proposals under these terms. Contractor's responsiveness, availability and quality of service will be of the utmost importance in this agreement. Any Contractor, who is in default to the City of Hillsdale at the time of submittal, shall have his proposal rejected. The City of Hillsdale reserves the right to clarify any contractual term with the concurrence of the contractor.

PROJECT: Sanitary Sewer open cut replacement of approximately 500 LF of 10" diameter sanitary sewer lines on W. Carleton Road (M-99) starting at 411 W. Carleton Road (Arby's) and proceeding to the south within the City of Hillsdale.

PUBLIC OPENING: October 28, 2021 at 2:00 P.M. Local Time
City Hall — Conference Room
97 N. Broad Street
Hillsdale, MI 49242

**CITY OF HILLSDALE, MICHIGAN
ADVERTISEMENT FOR BIDS**

Sanitary Sewer Replacement

The City of Hillsdale is requesting proposals for the following project:

Open cut replacement of approximately 500 LF of 10" sanitary sewer pipe per these specifications. See the attached map for the project location. The City of Hillsdale can provide, upon request, video of existing pipe for bidding purposes only.

RFP due date/ Public Opening:

Sealed proposals are due by 2:00 pm (local time) on October 28, 2021 at the following location:

Hillsdale City Hall
Office of the City Clerk
97 N. Broad Street
Hillsdale, MI 49242

Proposed Project Schedule:

BPU Board Presentation:	November 9, 2021
City Council Anticipated Award of Contract:	November 15, 2021
Construction Start Date:	Immediately following contract award
Construction Completion Date:	March 31, 2022

Project Location:

The project is located on W. Carleton Road (M-99) from 411 W. Carleton Rd. (Arby's) proceeding to the south. The sewer main is within the northbound curb lane of M-99.

General Scope of Work:

Background:

The video survey recently completed of the city's sanitary system under M-99 showed some pipe sections that may not have a bottom to the pipe. The areas noted are between manholes 1553 to 1555. From MH 1553 to 1554 the contractor was able to video 16 ft. of the 318 ft. going downstream and from MH 1554 to MH 1555 they were able to video 126 ft. of the 176 ft. going downstream.

The City is requesting bids for an "open cut" replacement of this 494 LF of 10" sanitary sewer pipe between MH 1553 and 1555 on M-99. Schedule coordination with the adjacent sewer lining work may be required.

The city is anticipating award of this contract in mid-November and wishes the work completed in an expedient manner soon after contract award.

PIPE ID	MH ID UP STREAM	MH ID DOWN STREAM	EST. PIPE SIZE	EST. LENGTH
3672	1553	1554	10"	318 LF
3673	1554	1555	10"	176 LF
TOTAL ESTIMATED PIPE LENGTH:				494 LF

A map of the project area is attached including a map of the areas upstream served by this sanitary sewer section.

This pipe line is estimated to be approximately 6 to 7 feet in depth.

Scope of Work:

All work associated with this work shall be in accordance with all applicable sections of the 2012 MDOT Standard Specification for Construction and attached Special Provisions as noted.

- Remove existing MDOT roadway which consists of 2" of Hot Mixed Asphalt (HMA) over 12" of Concrete. Pavement removal shall be full lane width.
- Remove any existing curb and gutter necessary for sewer pipe replacements.
- Provide by-pass pumping of the existing sanitary sewer line to be replaced.
- Construct the new 10" PVC Sanitary Sewer per the applicable sections of the attached sanitary sewer special provision and the MDOT specifications.
- Re-establishment of any sanitary sewer service connections should any exist in the pipe sections.
- Remove and replace and/or repair the existing flow lines in the existing manholes (MH 1553, MH 1554 and MH 1555) as required to accommodate the new plastic pipe.
- Replace any curb required for removal for construction of the sewer piping.
- Replace the existing MDOT roadway utilizing with 14" of concrete to the traffic surface. The concrete patch shall be doweled into the adjacent concrete pavement sections. All Concrete shall be in accordance with Sections 601 and 602 of the 2012 MDOT Standard Specification. All concrete shall be a high early strength mix.
- The city will obtain the required permitting for this work through the Michigan Department of Transportation (MDOT). The contractor will be required to provide MDOT approved traffic control for this work per the attached typical lane closure drawing.

Instructions to proposers:

- Proposals must be typewritten or clearly printed in ink and signed by a duly authorized representative of the firm submitting the proposal.
- Proposals must be submitted in sealed envelopes, clearly marked on the outside, "Hillsdale City – Sanitary Sewer Replacement M-99"

- Proposals will be received by the City Clerk, City Hall, 97 N. Broad Street, Hillsdale, Michigan 49242, at the above required time. All proposals will be date stamped and time marked upon receipt. Proposals may not be faxed or e-mailed.
- No proposal will be accepted after the time designated for the receipt of proposals set forth above. Each bidder shall and will be fully and solely responsible for delivery of the proposal prior to the appointed date and hour designated for the receipt of all proposals, and shall assume the risk of late delivery or non-delivery regardless of the manner the bidder employs for the proposal's delivery or the reason for such late delivery or non-delivery.
- The City of Hillsdale reserves the right to reject any and all proposals and to waive any defects or informalities in proposals, to accept the bid that it determines to be the lowest competitive bid from a competent bidder meeting specifications and to negotiate with the bidder or bidders who, in the judgment of the Hillsdale City Manager, are deemed the most advantageous for the public and the City.
- The City of Hillsdale reserves the right to take other action before a contract is signed or a purchase order is approved; even after City Council accepts or approves the proposal.
- Proposals submitted in response to this invitation shall become the property of the City of Hillsdale and be a matter of public record and available for review.
- Communications regarding this proposal may be directed to:

Kristin Bauer
 City Engineer
 City of Hillsdale
 Hillsdale, MI 49242
 517-437-6479
kbauer@cityofhillsdale.org

Conditions applicable to proposal:

- Applicable Laws: The Ordinances and Charter of the City of Hillsdale and laws of the State of Michigan concerning competitive bidding, contracts and purchases will be employed.
- The City of Hillsdale hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids to this invitation and will not be discriminated against on grounds of sex, race, color, age, weight, height, marital status, religion or national origin in the consideration for an award.
- This request for proposal does not commit the City of Hillsdale to award a contract, to pay any costs incurred in the preparation of a response to this request, or to procure or contract for services.
- The City is exempt from the payment of any federal excise or any Michigan sales tax (State of Michigan Sales Tax Exemption number: 38-6004621). The price must be net, exclusive of taxes.

Indemnification:

The Contractor shall indemnify and hold harmless the City of Hillsdale, its council members, city manager, directors, employees and agents from and against all liabilities, claims, demands, causes of action of every kind and descriptions, damages, Losses and Litigation Expenses, including but not limited to attorney's fees through appeals, arising out of or resulting from the performance of work in this contract, providing that any such claim, demand, cause of action, damage, Loss or expense (1) is attributable to bodily injury, disease or death, or to injury to or destruction of property including the loss of use resulting therefrom, and (2) is caused in whole or in part by any negligent act or omission of the Contractor, anyone directly or indirectly employed by the Contractor, or anyone for whose acts for any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. This indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the contractor under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

Insurance:

The Contractor shall, at its own expense, provide for the payment of Worker's Compensation benefits to its employees employed on or in connection with the work covered by this RFP, in accordance with applicable laws and statutorily required.

- The Contractor shall, at its own expense, carry and maintain Comprehensive General Public Liability Insurance with minimum limits of Bodily Injury of \$500,000 per person, \$1,000,000 per accident, \$250,000 per occurrence of property damage and \$2,000,000 Excess Liability. Blanket contractor and completed operations coverage shall be included with the same minimums.
- The Contractor shall, at its own expense, carry and maintain Comprehensive Auto Liability with the same limits as for General Public Liability. Liability coverage shall name City of Hillsdale as an additional insured.
- The Contractor shall likewise require its subcontractors, if any, to provide for such benefits and carry and maintain such insurance at no expense to the City.
- Before commencement on the project contemplated herein, and at any time thereafter upon written request by the City, the Contractor shall furnish the City with a copy of certificates of insurance as evidence that policies providing the required coverage's and limits of insurance are in full force and effect.
- All insurance coverage furnished under this Contract, with the exception of Worker's Compensation and Employer's Liability, shall include the City, and employees as additional insured with respect to the activities of the Contractor and its subcontractors. Any certificate or certificates presented as evidence of insurance shall specify the date when such benefits and insurance expire. The Contractor agrees that said benefits and insurance shall be provided and maintained until after the entire work under the Contract has been performed and accepted. The Contractor shall provide the City at least thirty (30) days advance written notice prior to cancellation, termination, or material alteration of said policies of insurance.

Changes and addenda to proposal documents:

Information of change or addendum issued in relation to this document will be on file and available in the Office of the City Clerk. In addition, to the extent possible, copies will be emailed to each vendor registered as having received a set of documents. It shall be the proposer's responsibility to make inquiry as to the changes or addenda issued. All such changes or addenda shall become part of the contract and all proposers shall be bound by such addenda.

Proposal results:

All proposals submitted in response to this invitation shall become the property of the City of Hillsdale and be a matter of public record available for review. A proposal tabulation will be available for review after the proposal opening.

Anti-Collusion:

Any evidence of agreement or collusion among bidders and/or prospective bidders acting to illegally restrain freedom of competition by agreement to bid fixed prices, or otherwise, will render their offers void.

Bid Bond/ Performance Bond:

Bids must contain the names of every person or company interested therein and shall be accompanied by a Bid Bond in the amount of 5% of the amount bid with satisfactory corporate surety, subject to conditions provided in the Instructions to Bidders. The successful bidder will be required to furnish satisfactory Performance Bond and Maintenance and guarantee Bond in the amount of 100% of the Bid, and Labor and Material Bond in the amount of 50% of the Bid.

PROPOSAL:

All bids will be paid using Unit Prices in accordance with the submitted proposal.

The City of Hillsdale reserves the right to award to reject all bids if it is in the best interest of the City.

Sanitary Sewer Replacement Pricing:

ITEM DESCRIPTION	EST. QUANT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS	6932.-	6,932. —
Pav't, Rem (2" HMA over 12" Conc)	670	SY	13.90	9,313. —
Curb, Rem	500	LF	4.50	2,250. —
By-Pass Pumping	494	LF	18.-	8,892. —
Sanitary Sewer, 10 inch, Tr Det B	494	LF	93.-	45,942. —
Service Reconnections	1	EA	1567.-	1,567. —
Manhole Flow Line Repairs	3	EA	4074.-	12,222. —
Curb & Gutter, Conc., Det F4	500	LF	31.50	15,750. —
Conc Pavt, Nonreinf, 14 inch (High Early Conc)	670	SY	101.20	67,804. —
Traffic Control	1	LS	3142.-	3,142. —
GRAND TOTAL:				\$ 173,814. —

One hundred Seventy Three Thousand, Eight Hundred
Fourteen and $\frac{24}{100}$ —

The undersigned, having familiarized (himself/herself) with the Request for Proposal, the bidder shall examine the scope of work to be completed and shall completely familiarize (himself/herself) with existing conditions to be encountered, the difficulties and limitations involved in completing the project and all other factors affecting the work proposed with this project. The Contractor shall provide all necessary labor, transportation, meals, etc. to perform all the work and furnish all necessary material to complete plans outlined in the proposal.

In submitting this proposal, it is understood and agreed by the undersigned that the right is reserved by the City to reject any or all proposals. It is further understood and agreed by the same undersigned that any qualifying statements, or conditions made to the above proposal, as originally published, as well as any interlineations, erasures, omissions, or entered wording obscure as to its meaning, may cause the bid to be declared irregular and may be cause for rejection of the bid.

Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

<u>Addendum Number</u>	<u>Addendum Date</u>
<u>#1</u>	<u>10/20/21</u>
<u>#2</u>	<u>10/22/21</u>
_____	_____
_____	_____

Certification Regarding Debarment, Suspension and Other Responsibility Matters—
Primary Covered Transaction

- I. The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or committee; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification and (d) Have not within a three-year period preceding this application/proposal had one or more public transaction (Federal, State or local) terminated for cause or default.

- II. Where the prospective primary participant is unable to certify to any the statements in this certification, such prospective participant shall attach an explanation to this proposal.

SIGNATURE OF PROPOSER



TITLE

President

NAME OF COMPANY

Parrish Excavating, Inc.

ADDRESS

65 Cole Street

CITY

Quincy

STATE, ZIP CODE

49082

TELEPHONE

517.639.4656

FAX

517.639.3361

EMAIL

brad.parrish@parrish-excavating.com

DATE

10/28/21

Bid Bond

AIA Document A310™ - 2010

CONTRACTOR:

(Name, legal status and address)

PARRISH EXCAVATING, INC.
65 Cole St.
Quincy, MI 49082

Bid Bond No. FED02603

SURETY:

(Name, legal status and principal place of business)

GRANITE RE, INC.
14001 Quailbrook Drive
Oklahoma City, OK 73134

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

OWNER:

(Name, legal status and address)

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

City of Hillsdale
97 N Broad St
Hillsdale, MI 49242

BOND AMOUNT: Five Percent of the Bid Amount (5.00% of Bid Amount)

PROJECT:

(Name, location or address, and Project number, if any)
City of Hillsdale Sanitary Sewer Replacement M-99

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 19th day of October, 2021




(Witness)



(Witness) Mollie J. Hansen

PARRISH EXCAVATING, INC.
(Principal)  (Seal)

(Title)
GRANITE RE, INC.
(Surety)  (Seal)

(Title) Connie Smith, Attorney-in-Fact

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GRANITE RE, INC.
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC., a corporation organized and existing under the laws of the State of MINNESOTA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; JULIA DOUGLAS; CONNIE SMITH; KORY MORTEL; ELIOT MOTU its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:

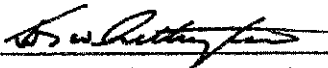
To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:

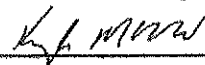
MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; JULIA DOUGLAS; CONNIE SMITH; KORY MORTEL; ELIOT MOTU may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said GRANITE RE, INC. has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Assistant Secretary, this 3rd day of January, 2020.

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)






Kenneth D. Whittington, President


Kyle P. McDonald, Assistant Secretary

On this 3rd day of January, 2020, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. Company and Kyle P. McDonald, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Assistant Secretary of GRANITE RE, INC., the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Assistant Secretary, respectively, of the Company.

My Commission Expires:
April 21, 2023
Commission #: 11003620





Bethany J. Alred
Notary Public

GRANITE RE, INC.
Certificate

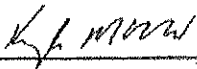
THE UNDERSIGNED, being the duly elected and acting Assistant Secretary of Granite Re, Inc., a Minnesota Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of Granite Re, Inc. and that said Power of Attorney has not been revoked and is now in full force and effect.

"RESOLVED, that the President, any Vice President, the Assistant Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this

19 day of Oct, 2021





Kyle P. McDonald, Assistant Secretary

Hillsdale Board of Public Utilities
45 Monroe Street
Hillsdale, Michigan 49242-0279
Telephone: 517/437-3387
Fax: 517/437-3388



Date: October 20, 2021

PROJECT: 2021 – City of Hillsdale Sanitary Sewer Replacement – M-99

SUBMITTAL DATE: 2:00 pm on October 28, 2021

ADDENDUM NO. 1: Bid Documents for this project are being modified, supplemented, clarified or augmented as follows as part of this addendum. All revisions will hereby be made a part of the proposed Contract Documents.

The following attachments are issues with this addendum.

Drawings: None

Attachments: Revised Page No. 7 – Pricing Form

<u>MODIFICATION NO.</u>	<u>SUMMARY</u>
1	Revised Page 7 for an error in the “unit” for replacement of the Conc. Pavt, from EA to SY. See Attached.

CONTRACT CLARIFICATIONS

- 1) It should be noted that the work delineated in this project was also listed as an alternate to the City of Hillsdale sewer lining project. The city was contacted by several bidders asking if they were required to bid the alternate work. As such, in the interest of time for completion of the work, we also included this work as a standalone project.

PROPOSAL:

All bids will be paid using Unit Prices in accordance with the submitted proposal.

The City of Hillsdale reserves the right to award to reject all bids if it is in the best interest of the City.

Sanitary Sewer Replacement Pricing:

ITEM DESCRIPTION	EST. QUANT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS		
Pav't, Rem (2" HMA over 12" Conc)	670	SY		
Curb, Rem	500	LF		
By-Pass Pumping	494	LF		
Sanitary Sewer, 10 inch, Tr Det B	494	LF		
Service Reconnections	1	EA		
Manhole Flow Line Repairs	3	EA		
Curb & Gutter, Conc., Det F4	500	LF		
Conc Pavt, Nonreinf, 14 inch (High Early Conc)	670	SY		
Traffic Control	1	LS		
GRAND TOTAL:				

Hillsdale Board of Public Utilities
45 Monroe Street
Hillsdale, Michigan 49242-0279
Telephone: 517/437-3387
Fax: 517/437-3388



Date: October 22, 2021

PROJECT: 2021 – City of Hillsdale Sanitary Sewer Replacement – M-99

SUBMITTAL DATE: 2:00 pm on October 28, 2021

ADDENDUM NO. 2: Bid Documents for this project are being modified, supplemented, clarified or augmented as follows as part of this addendum. All revisions will hereby be made a part of the proposed Contract Documents.

The following attachments are issues with this addendum.

Drawings: None

Attachments: None

CONTRACT CLARIFICATIONS

- 1) Per the Sanitary Sewer Special Provision – Under Testing and Inspection:

The city will not be requiring deflection (mandrel testing), low pressure air/water leakage testing or air/water exfiltration testing on the newly installed sewer main.

Contractor shall expect to video televise the new sewer prior to placing the main into service.



City of Hillsdale, Michigan

BID SHEET

Project: SANITARY SEWER REPLACEMENT M-99

Date: DLTDBer 28, 2021
2:00 PM

Company	Base	TOTAL:
APRY EXCAVATING		340,365.00
CONCORD EXCAVATING		187,560.00
PARRISH EXCAVATING		173,814.00
HOFFMAN BROTHERS		263,875.00

REVISED DUE TO
MATH ERROR
\$340,345.20

REVISED DUE TO
MATH ERROR
\$263,776.00

City of Hillsdale Board of Public Utility Agenda Item Summary

Meeting Date: November 9, 2021

Agenda Item #: New Business

SUBJECT: 2021-2022 Utility Pot Holing – Water Service Investigations

BACKGROUND PROVIDED BY STAFF: Jeff Gier, Superintendent of Water and Sewer
Kristin Bauer, City Engineer

PROJECT BACKGROUND:

In June 2018, Michigan’s Department of Environmental Quality (DEQ), now the Michigan Department of Environment, Great Lakes & Energy (EGLE), promulgated major revisions to Michigan’s Lead and Copper Rule. A portion of these revisions requires a community water supply to provide EGLE a complete Distribution System Material Inventory (DSMI) by January 1, 2025.

The city’s water system has an estimated 2,817 water services that must be investigated in the next 2 to 3 years to comply with the State’s mandate to verify materials at 4 locations along the each water service line. These locations are 1) at the water main, 2) on the street side of the curb stop, 3) on the house side of the curb stop, and 4) the material in the house to the meter. The state has updated their requirements to not necessarily require verifications of every service line in the system but rather allows for evaluations of a “statistical sound subset” which then may be used as a baseline for the prediction materials at other locations.

The City of Hillsdale, in early 2021, received \$241,000 in grant funding to complete 338 random verifications at locations throughout the city. The city recently received bids associated with a Request for Proposal (RFP) for utility potholing for this work. This RFP request was in 2 parts, Part 1; for the service line verifications at 3 of the 4 locations along the water service line at 338 random locations and Part 2 requested potholing services of another approximately 300 services at both sides of the curb-stop only.

On October 28, 2021 the city received 4 responses to our advertised bid request, shown below:

BIDDER	PART 1 – BASE BID DWAM GRANT (338 SERVICES)	PART 2 – ADDITIONAL (300 SERVICES)
Allegheny Utility Solutions, LLC	\$234,678.58	\$100,000.00
Taplin Group, LLC	\$408,582.78	\$160,457.66
All Seasons Underground	\$493,512.00	\$238,350.00
ML Chartier Excavating, Inc.	\$512,730.00	\$199,510.00

RECOMMENDATION:

Staff recommends the BPU Board support award by City Council of this contract to the low bidder, Allegheny Utility Solutions, LLC (AUS) of Bellefonte, PA to complete Part 1 and Part 2 of this RFP in the following amounts: Part 1 - \$234,678.58 plus a contingency amount of \$6,321.42 for a total contract amount of \$241,000.00 and Part 2 - \$100,000.00. Part 1 will be paid utilizing funds received from the DWAM Grant and Part 2 funds have been budgeting in the 21-22 water budget.

The city has talked with AUS regarding their bid price and they are comfortable that their pricing is good and they can complete the requested work without issue. City staff also requested and contacted several of AUS's references who all had good experiences and relationships with this contractor.



City of Hillsdale, Michigan

BID SHEET

Project: 2021 & 2022 UTILITY LOCATION (POTHOLDING)

Date: OCTOBER 28, 2021 @ 2 PM

Company/Person				TOTAL:
TAPLIN				408,582.78
AUGHEY'S ^{UTILITY SOLUTIONS}				234,678.58
my CHARTER				512,730.00
ALL SEASONS UNDERGROUND				493,512.00

**CITY OF HILLSDALE, MICHIGAN
ADVERTISEMENT FOR BIDS**

2021 & 2022 - Utility Location (Pot Holing)

The City of Hillsdale is requesting proposals for the following projects:

PART 1 (BASE BID):

Utility pot holing via vacuum extraction for purposes of determining material types on the house and street sides of the existing curb stops, as well as, determination of the material type at the water main for a random sampling of water service throughout the City of Hillsdale.

PART 2 (POTENTIAL ADDITIONAL WORK):

Utility pot holing via vacuum extraction for purposes of determining material types on the house and street sides of the existing curb stops at additional locations within the City of Hillsdale, generally in areas west of M-99.

RFP due date/ Public Opening:

Sealed proposals are due by 2:00 pm (local time) on October 28, 2021 at the following location:

Hillsdale City Hall
Office of the City Clerk
97 N. Broad Street
Hillsdale, MI 49242

Proposed Project Schedule:

BPU Board Presentation:	November 9, 2021
City Council Anticipated Award of Contract:	November 15, 2021
Construction Start Date:	Following contract award
Construction Completion Date:	June 30, 2022

Project Locations:

PART 1 (BASE BID):

Project locations have been determined, as required by the Michigan Department of Environment, Great Lakes and Energy (EGLE), from a random sampling of water services with materials not known throughout the city. Attached you will find a list of all properties requiring work as part of the base bid of this contract.

PART 2 (POTENTIAL ADDITIONAL WORK):

Project locations will include water service curb stop locations not previously hydro-excavated. Generally, these areas will be west of M-99. Currently the city estimates the unknown material locations, by ward, as shown in the table below.

Should the city choose to award Part 2 of this contract, as budgets allow, we anticipate an award to be between 300 to 350 additional water service potholing locations. These services will generally be located within Ward's 3 and 4.

WARD NUMBER	ESTIMATED REMAINING CURB-STOP COUNT WITH UNKNOWN MATERIALS
WARD 1	134
WARD 2	306
WARD 3	669
WARD 4	653
COUNTY	41
TOTAL	1803

General Scope of Work:

PART 1 (BASE BID):

The base bid of this project will consist of pot holing water service leads at the existing curb stops and at the water main, for certain specified locations within the city.

The contractor shall provide all materials, equipment and labor to perform the requested work. Work shall include, but may not be limited to the following items:

- Request utility locates through the MISS DIG system for all locations requiring work.
- Hydro-Excavate to determine water service material types at a distance of 18" either side of the existing curb stop.
- Hydro-Excavate to the existing water main to determine the material type at the connection of the water service at the water main.
- Contractor shall determine the water service material types, sizes and depths either side of the curb stop and at the water main. Determinations of the material type shall be by visual inspection and/or magnets, whichever is needed to determine the water service material type. Service types are expected to be Lead, Galvanized, Ductile Iron, Copper, or Plastic. Water services cannot be identified as "copper" or "not copper" in the project log.
- At locations where the curb-stops and/or the water main are under asphalt or concrete the contractor will be required to cut, remove, dispose and replace these materials per the attached Special Provisions. Each area for concrete or asphalt removal is estimated to be a 4 FT x 4 FT (16 SF) area.

- Following hydro-excavation the contractor shall clean each location and backfill areas as follows. Costs for the backfill will be considered incidental to the hydro-excavating line item and will not be paid for separately.
 - Grass areas shall be backfilled with pea stone to grade until restorations are completed, unless restorations will occur immediately upon completion of the work.
 - Concrete sidewalk areas shall be temporarily backfilled and maintained with cold patch for walkability until final restorations are completed. Alternately the contractor may provide ADA compliant pedestrian barricades either side of the missing sidewalk until final restorations are completed in lieu of backfilling.
 - Concrete/Asphalt driveway areas shall be backfilled and maintained with cold patch for usability by residents until restorations are completed.
 - Asphalt roadway areas shall be backfilled and maintained with cold patch for traffic use until final restorations are completed.
- Debris from the hydro-excavation shall be disposed of in a safe and legal manner. The city will provide a disposal site for the “clean” excavated soil materials adjacent to the Wastewater Treatment plant on Galloway Street.
- Clean asphalt and concrete debris, no soil materials included, may be disposed of at the City’s Department of Public Services (DPS) Yard located at 149 Waterworks Ave. Asphalt and concrete must be placed in the associated separated piles in the yard. Yard hours are 7:00 am to 3:00 pm, coordinate after hours dumping with the DPS Office at 517-437-6490.
- Surface restorations shall be on a schedule approved by the city’s Project Manager.
 - Final Grass Area Restorations: Provide 3” of topsoil over the pea stone and seed each location.
 - Final Concrete Area Restorations: Backfill the hydro-excavated area with pea stone to existing grade. Replace the 4” or 6” concrete per the attached Special Provision.
 - Final Asphalt Area Restorations: Backfill the hydro-excavated area with pea stone to within 8” of existing grade. Place 4” of compacted MDOT 21A over the pea stone. Replace area with two (2) 2” (220 lbs./SY) lifts of Hot Mixed Asphalt (HMA) per the attached Special Provision.
- Traffic Control will be required for this work, at a minimum, as follows:
 - City “Local” & “Major” Streets: Provide “Work Ahead” signage and a portable or truck mounted arrow board. Provide cone tapers at both end of the active work area. Flagging may be required at areas of limited site visibility.
 - MDOT ROW work on M-99: Obtain an appropriate MDOT Permit and provide traffic control as required by said permit.

- Contractor shall obtain a permit from the DPS per a required Public Works Right-Of-Way Permit (ROW). Fees for this permit will be waived. For information on the ROW Permit you may contact the Department of Public Service at 517-437-6490.
- Provide the city a written inspection log, on a city prepared form. Generally, the requested information will include the work location address, utility pipe material type on each side of the curb-stop, depth and size of the service.
- Per City of Hillsdale Ordinance Section 14-63, work shall be restricted to the following hours, except as work may relate to the safety and/or protection of persons, the work or the property at the site:
 - Monday through Saturday (except legal Holidays): 7:00am to 6:00pm
 - Work requests outside these time limits require written permission of the City Manager.

The city will provide the following items for this work:

- Water for use by the contractor.
- Dump site for “clean” soil materials.
- Dump site for “clean” separated concrete and asphalt materials.
- A system utility maps showing the locations of the water curb stops.

PART 2 (POTENTIAL ADDITIONAL WORK):

The additional work in this bid will consist of pot holing water service leads at the existing curb stops at certain specified locations within the city.

The contractor shall provide all materials, equipment and labor to perform the requested work. Work shall include, but may not be limited to the following items:

- Request utility locates through the MISS DIG system for all locations requiring work.
- Hydro-Excavate to determine water service material types at a distance of 18” either side of the existing curb stop.
- Contractor shall determine the water service material types, sizes and depths either side of the curb stop. Determinations of the material type shall be by visual and/or magnets, whichever is needed to determine the water service material type. Service types are expected to be Lead, Galvanized, Ductile Iron, Copper, or Plastic. Water services cannot be identified as “copper” or “not copper” in the project log.
- At locations where the curb-stops are found to be within asphalt or concrete the contractor shall note this on the log sheet and skip the service. Any services found to be in a pit shall also be noted on the log sheet and skipped.
- Following hydro-excavation the contractor shall clean each location and backfill areas as follows. Costs for the backfill will be considered incidental to the hydro-excavating line item and will not be paid for separately.
 - Grass areas shall be backfilled with pea stone to grade until restorations are completed, unless restorations will occur immediately upon completion of the work.

- Debris from the hydro-excavation shall be disposed of in a safe and legal manner. The city will provide a disposal site for the “clean” excavated materials adjacent to the Wastewater Treatment plant on Galloway Street.
- Surface restorations shall be on a schedule approved by the city’s Project Manager.
 - Final Grass Area Restorations: Provide 3” of topsoil over the pea stone and seed each location.
- Traffic Control will be required for this work, at a minimum, as follows:
 - City “Local” & “Major” Streets: Provide “Work Ahead” signage and a portable or truck mounted arrow board. Provide cone tapers at both end of the active work area. Flagging may be required at areas of limited site visibility.
- Contractor shall obtain a permit from the DPS per a required Public Works Right-Of-Way Permit (ROW). Fees for this permit will be waived. For information on the ROW Permit you may contact the Department of Public Service at 517-437-6490.
- Provide the city a written inspection log, on a city prepared form. Generally, the requested information will include the work location address, utility pipe material type on each side of the curb-stop, depth and size of the service.
- Per City of Hillsdale Ordinance Section 14-63, work shall be restricted to the following hours, except as work may relate to the safety and/or protection of persons, the work or the property at the site:
 - Monday through Saturday (except legal Holidays): 7:00am to 6:00pm
 - Work requests outside these time limits require written permission of the City Manager.

The city will provide the following items for this work:

- Water for use by the contractor.
- Dump site for “clean” soil materials.
- A system utility maps showing the locations of the water curb stops.

Instructions to proposers:

- Proposals must be typewritten or clearly printed in ink and signed by a duly authorized representative of the firm submitting the proposal.
- Proposals must be submitted in sealed envelopes, clearly marked on the outside, “Hillsdale City – 2021-2022 Utility Locating”
- Proposals will be received by the City Clerk, City Hall, 97 N. Broad Street, Hillsdale, Michigan 49242, at the above required time. All proposals will be date stamped and time marked upon receipt. Proposals may not be faxed or e-mailed.
- No proposal will be accepted after the time designated for the receipt of proposals set forth above. Each bidder shall and will be fully and solely responsibility for delivery of the proposal prior to the appointed date and hour designated for the receipt of all proposals, and shall assume the risk of late delivery or non-delivery regardless of the manner the bidder employs for the proposal's delivery or the reason for such late delivery or non-delivery.

- The City of Hillsdale reserves the right to reject any and all proposals and to waive any defects or informalities in proposals, to accept the bid that it determines to be the lowest competitive bid from a competent bidder meeting specifications and to negotiate with the bidder or bidders who, in the judgment of the Hillsdale City Manager, are deemed the most advantageous for the public and the City.
- The City of Hillsdale reserves the right to take other action before a contract is signed or a purchase order is approved; even after City Council accepts or approves the proposal.
- Proposals submitted in response to this invitation shall become the property of the City of Hillsdale and be a matter of public record and available for review.
- Communications regarding this proposal may be directed to:
 Kristin Bauer
 City Engineer
 City of Hillsdale
 Hillsdale, MI 49242
 517-437-6479
kbauer@cityofhillsdale.org

Conditions applicable to proposal:

- Applicable Laws: The Ordinances and Charter of the City of Hillsdale and laws of the State of Michigan concerning competitive bidding, contracts and purchases will be employed.
- The City of Hillsdale hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids to this invitation and will not be discriminated against on grounds of sex, race, color, age, weight, height, marital status, religion or national origin in the consideration for an award.
- This request for proposal does not commit the City of Hillsdale to award a contract, to pay any costs incurred in the preparation of a response to this request, or to procure or contract for services.
- The City is exempt from the payment of any federal excise or any Michigan sales tax (State of Michigan Sales Tax Exemption number: 38-6004621). The price must be net, exclusive of taxes.

Indemnification:

The Contractor shall indemnify and hold harmless the City of Hillsdale, its council members, city manager, directors, employees and agents from and against all liabilities, claims, demands, causes of action of every kind and descriptions, damages, Losses and Litigation Expenses, including but not limited to attorney's fees through appeals, arising out of or resulting from the performance of work in this contract, providing that any such claim, demand, cause of action, damage, Loss or expense (1) is attributable to bodily injury, disease or death, or to injury to or destruction of property including the loss of use resulting therefrom, and (2) is caused in whole or in part by any negligent act or omission of the Contractor, anyone directly or indirectly employed by the Contractor, or anyone for

whose acts for any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. This indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the contractor under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

Insurance:

The Contractor shall, at its own expense, provide for the payment of Worker's Compensation benefits to its employees employed on or in connection with the work covered by this RFP, in accordance with applicable laws and statutorily required.

- The Contractor shall, at its own expense, carry and maintain Comprehensive General Public Liability Insurance with minimum limits of Bodily Injury of \$500,000 per person, \$1,000,000 per accident, \$250,000 per occurrence of property damage and \$2,000,000 Excess Liability. Blanket contractor and completed operations coverage shall be included with the same minimums.
- The Contractor shall, at its own expense, carry and maintain Comprehensive Auto Liability with the same limits as for General Public Liability. Liability coverage shall name City of Hillsdale as an additional insured.
- The Contractor shall likewise require its subcontractors, if any, to provide for such benefits and carry and maintain such insurance at no expense to the City.
- Before commencement on the project contemplated herein, and at any time thereafter upon written request by the City, the Contractor shall furnish the City with a copy of certificates of insurance as evidence that policies providing the required coverage's and limits of insurance are in full force and effect.
- All insurance coverage furnished under this Contract, with the exception of Worker's Compensation and Employer's Liability, shall include the City, and employees as additional insured with respect to the activities of the Contractor and its subcontractors. Any certificate or certificates presented as evidence of insurance shall specify the date when such benefits and insurance expire. The Contractor agrees that said benefits and insurance shall be provided and maintained until after the entire work under the Contract has been performed and accepted. The Contractor shall provide the City at least thirty (30) days advance written notice prior to cancellation, termination, or material alteration of said policies of insurance.

Changes and addenda to proposal documents:

Information of change or addendum issued in relation to this document will be on file and available in the Office of the City Clerk. In addition, to the extent possible, copies will be emailed to each vendor registered as having received a set of documents. It shall be the proposer's responsibility to make inquiry as to the changes or addenda issued. All such changes or addenda shall become part of the contract and all proposers shall be bound by such addenda.

Proposal results:

All proposals submitted in response to this invitation shall become the property of the City of Hillsdale and be a matter of public record available for review. A proposal tabulation will be available for review after the proposal opening.

Anti-Collusion:

Any evidence of agreement or collusion among bidders and/or prospective bidders acting to illegally restrain freedom of competition by agreement to bid fixed prices, or otherwise, will render their offers void.

Bid Bond/ Performance Bond:

Bids must contain the names of every person or company interested therein and shall be accompanied by a Bid Bond in the amount of 5% of the amount bid with satisfactory corporate surety, subject to conditions provided in the Instructions to Bidders. The successful bidder will be required to furnish satisfactory Performance Bond and Maintenance and guarantee Bond in the amount of 100% of the Bid, and Labor and Material Bond in the amount of 50% of the Bid.

PROPOSAL:

All bids will be paid using Unit Prices in accordance with the submitted proposal.

The City of Hillsdale reserves the right to award any part(s) of the contract and/or reject all bids if it is in the best interest of the City.

PART 1 (BASE BID):

ITEM DESCRIPTION	EST. QUANT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS		
Hydro-Excavate at Curb-Stops	218	EA		
Hydro-Excavate at Water Main	337	EA		
Concrete/Asphalt Removals and Temp Backfilling (Estimated 282 locations)	4,512	SF		
Grass Area Restorations	270	EA		
Concrete Area Restorations	576	SF		
Asphalt Area Restorations	438	SY		
Traffic Control – Major & Local Streets	1	LS		
Traffic Control – MDOT ROW Work	1	LS		
GRAND TOTAL:				

PART 2 (POTENTIAL ADDITIONAL CONTRACT WORK):

ITEM DESCRIPTION	EST. QUANT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS		
Hydro-Excavate at Curb-Stops	300	EA		
Grass Area Restorations	300	EA		
Traffic Control – Major & Local Streets	1	LS		
GRAND TOTAL:				

The undersigned, having familiarized (himself/herself) with the Request for Proposal, the bidder shall examine the scope of work to be completed and shall completely familiarize (himself/herself) with existing conditions to be encountered, the difficulties and limitations involved in completing the project and all other factors affecting the work proposed with this project. The Contractor shall provide all necessary labor, transportation, meals, etc. to perform all the work and furnish all necessary material to complete plans outlined in the proposal.

In submitting this proposal, it is understood and agreed by the undersigned that the right is reserved by the City to reject any or all proposals. It is further understood and agreed by the same undersigned that any qualifying statements, or conditions made to the above proposal, as originally published, as well as any interlineations, erasures, omissions, or entered wording obscure as to its meaning, may cause the bid to be declared irregular and may be cause for rejection of the bid.

Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

<u>Addendum Number</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____

Certification Regarding Debarment, Suspension and Other Responsibility Matters—
Primary Covered Transaction

- I. The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or committee; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification and (d) Have not within a three-year period preceding this application/proposal had one or more public transaction (Federal, State or local) terminated for cause or default.

- II. Where the prospective primary participant is unable to certify to any the statements in this certification, such prospective participant shall attach an explanation to this proposal.

SIGNATURE OF PROPOSER _____

TITLE _____

NAME OF COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

TELEPHONE _____ FAX _____

EMAIL _____ DATE _____

TECHNICAL SPECIFICATIONS

PART 1 – LOCATIONS

And

WARD MAP

**CITY OF HILLSDALE
SPECIAL PROVISION
FOR
MOBILIZATION
Page 1 of 1**

DESCRIPTION

This work shall be done in accordance with Section 150 of the MDOT 2012 Standard Specifications for Construction and as specified herein.

CONSTRUCTION

Work shall include the preparatory work and operations including, but not limited to, the following:

- Preparatory work and expenses incurred prior to beginning work onsite.
- Transport materials, personnel, and equipment to the job site.
- Establishment of temporary onsite construction facilities, if required.
- Provided insurance, bonds, and other costs associated with the project in general and not included in other pay items.
- Coordination with property owners.
- All required submittals.

MEASUREMENT AND PAYMENT

This pay item as listed for Mobilization (Max. 5% of Bid Amount) will be paid for at the contract Lump Sum (LS) amount as follows:

PAY ITEM

Mobilization (Max. 5% of Bid Amount)

PAY UNIT

Lump Sum (LS)

- 50% of the Mobilization payment will be made after 5% of the original contract amount is earned and billed.
- Final 50% payment will be made after 25% of the contract amount is earned and billed.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
SIDEWALK, CONC, 4 or 6 INCH
Page 1 of 1

DESCRIPTION

This work shall consist of replacing removed concrete sidewalk/driveway or as directed by the Engineer and shall be in accordance with Section 803 of the MDOT 2012 Standard Specifications for Construction and as specified herein.

CONSTRUCTION METHODS

Work shall include furnishing, placement and compaction of the sand base to a minimum depth of 4 inches compacted prior to concrete placement. Work includes all excavation, compaction, sawing if required, proper placement of sidewalk/driveway material and expansion material as required.

The material to be used for Sidewalk shall be:

Concrete – Uniform, Grade P1, 3500 PSI, Air Entrained.

Sand base shall meet requirements of Granular Material Class II, Section 902 of the MDOT 2012 Standard Specifications for Construction.

Sidewalk sections shall be a minimum of 4” thick concrete and ADA compliant.

Driveways, drive approaches or any sidewalks at drives shall be a minimum of 6” thick and ADA compliant

Sidewalk/driveway sections that need are removed and to be replaced shall be maintained with Maintenance Gravel until final hard surface restorations are completed. ADA compliant pedestrian barricades shall remain in place until a hard surface is restored.

MEASUREMENT AND PAYMENT

The completed work under this special provision, including Maintenance Gravel, will be considered as incidental to the concrete replacement and will not be paid for separately.

CONCRETE AREA RESTORATIONS (SF), shall include all material, labor, and equipment needed to accomplish the concrete replacement including furnishing, placing, compacting the sand base and any Maintenance Gravel.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
HMA, Repair
Page 1 of 1

DESCRIPTION

This work shall be done in accordance with Section 302 and 501 of the MDOT 2012 Standard Specifications for Construction and as specified herein. Should replacement of asphalt driveway or roadway be required.

CONSTRUCTION

Work shall include the furnishing, placement, grading, and compaction of HMA and/or aggregate for proper replacement of the removed section.

The material to be used for HMA, Repair shall be:

HMA, 13A or LVSP, placed in a maximum of 220 lbs./Syd per lift until it matches the existing pavement thickness.

Aggregate Base shall match existing base thickness using 21A crushed limestone aggregate or approved crushed concrete to the proper MDOT gradation. Provide a minimum of 4" thick above the pea stone backfill. Existing base material and any added aggregate base shall be compacted in place to 95% Maximum Density.

MEASUREMENT AND PAYMENT

The completed work under this special provision, including Maintenance Gravel, will be considered as incidental to the asphalt replacement and will not be paid for separately.

ASPHALT AREA RESTORATIONS (SY), shall include all material, labor, and equipment needed to accomplish the work as needed for replacement of removed HMA.

**CITY OF HILLSDALE
SPECIAL PROVISION
FOR
TRAFFIC CONTROL
Page 1 of 2**

DESCRIPTION

Traffic shall be maintained by the Contractor throughout the project in accordance with Section 104.07, 104.11, 812 and 922 of the MDOT 2012 Standard Specifications and in accordance with any Supplemental Specifications and any requirements of the City of Hillsdale Right-Of-Way (ROW) Permit, as issued. All traffic control devices shall conform to the most current version of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD).

The Contractor shall coordinate operations with other Contractors or Utility owners performing work on other projects within adjoining areas to avoid conflicts in maintenance of traffic, construction signing and to provide for the orderly progress of work.

The Contractor shall provide access at all times during construction for school buses, garbage trucks, and any other service vehicles required to traverse and service residences within the construction area.

The City of Hillsdale maintenance crews and/or other Contractors may perform work within or adjacent to the project areas. No additional payment will be made to the Contractor for the joint use of traffic control items or coordination efforts.

The Contractor shall provide a plan for any necessary traffic control for completion of the project. This plan will be discussed, reviewed, possibly revised and approved as part of the Department of Public Services ROW permit process.

CONSTRUCTION INFLUENCE AREA (CIA)

The CIA shall include the right of ways of the listed project areas within the City of Hillsdale including all intersecting access as far as the advanced signing required to accommodate all traffic control devices.

The Contractor shall maintain pedestrian and residential access throughout the entire project at all times during construction.

Pedestrian access to all residences, churches, and businesses shall be allowed at all times.

CITY OF HILLSDALE
SPECIAL PROVISION
FOR
TRAFFIC CONTROL
Page 2 of 2

The Contractor shall maintain access to all adjacent property locations at all times and any associated costs shall be included in the Traffic Control Payment item.

- Barricades used to control traffic at night shall be lighted.
- Drums used shall be plastic drums or channelizing devices, grabber cones are an acceptable alternate to drums.
- ADA Compliant Pedestrian panels shall be used at any sidewalk removals and shall not be removed until a temporary or permanent hard surface is restored.

Maintaining Traffic includes all additional work and materials necessary for traffic maintenance, utility maintenance and coordination, and maintenance during construction for all items of work.

TRAFFIC RESTRICTIONS

Contractor shall backfill any trenches/holes prior to the end of the work day, no open trenches/holes will be allowed overnight.

The Contractor shall provide advance warning signs of their work area and shall maintain two-way traffic on all roadways while working. Only short delays in traffic will be allowed during the work.

Should longer term restrictions be required the Contractor shall provide a detour or road closure plan to the Engineer that adheres to the most current version of the Michigan Manual of Traffic Control Devices (MMUTCD).

MEASUREMENT AND PAYMENT

The work completed under this special provision will be considered as incidental to the pot holing of each service and will not be paid separately.

TRAFFIC CONTROL shall include all material, labor, and equipment needed to accomplish the traffic control as specified and per the contractors approved plan including furnishing, placement, operation and maintenance of all traffic control devices required

STREET ADDRESS	STREET TYPE	CURB STOP UNDER SURFACE (C, A OR GRASS)	WATER MAIN UNDER ??	1 CONNECTOR (GOOSENECK)	2 VERIFIED MATERIAL MAIN TO CURBSTOP (CITY SIDE)	3 VERIFIED MATERIAL CURBSTOP TO HOME (CUST SIDE)
8 ARMSTRONG ST	LOCAL	GRASS	ASPHALT			
13 ARMSTRONG ST	LOCAL	GRASS	ASPHALT			
28 ARMSTRONG ST	LOCAL	GRASS	ASPHALT			
115 E BACON ST #1	MAJOR	CONCRETE	ASPHALT			
209 E BACON ST	MAJOR	CONCRETE	ASPHALT			
287 E BACON ST	MAJOR	GRASS	ASPHALT		copper	copper
293 E BACON ST	MAJOR	GRASS	ASPHALT		copper	NOT COPPER
324 E BACON ST	MAJOR	GRASS	GRASS			
329 E BACON ST	MAJOR	GRASS	GRASS		copper	NOT COPPER
2 N NORWOOD AVE (ON W BACON)	MAJOR	GRASS	ASPHALT			
42 W BACON ST	MAJOR	CONCRETE	ASPHALT			
70.5 W BACON ST	MAJOR	GRASS	ASPHALT			
210 W BACON ST	MAJOR	GRASS	GRASS			
275 W BACON ST	MAJOR	GRASS	GRASS			
2010 W BACON ST	MAJOR	GRASS	GRASS			
13 BARNARD ST	LOCAL	GRASS	ASPHALT			
27 BARNARD ST	LOCAL	GRASS	ASPHALT		copper	copper
75 BARR ST	MAJOR	GRASS	GRASS			
1906 BARR ST	MAJOR	GRASS	GRAVEL			
CHERRY TREE APTS BLDG 3(139 BARR ST)	LOCAL	??	??			
9 BARRY ST	LOCAL	GRASS	ASPHALT			
11 BARRY ST	LOCAL	GRASS	ASPHALT			
39 BARRY ST	LOCAL	GRASS	ASPHALT			
59 BARRY ST	LOCAL	GRASS	GRASS			
3560 BECK RD	MAJOR	GRASS	GRASS			
138 S BROAD ST	MDOT M-99	GRASS	GRASS			
25 BUDLONG ST	MAJOR	GRASS	ASPHALT			
33 BUDLONG ST	MAJOR	GRASS	ASPHALT			
34 BUDLONG ST #1 (ON BUDLONG SIDE)	MAJOR	GRASS	ASPHALT			
34 BUDLONG #2 (ON BARRY ST)	MAJOR	ASPHALT	GRASS			
35 BUDLONG ST	MAJOR	GRASS	ASPHALT			
38 BUDLONG ST	MAJOR	GRASS	ASPHALT			
72 BUDLONG ST	LOCAL	GRASS	ASPHALT			
77 BUDLONG ST	LOCAL	GRASS	ASPHALT			
79 BUDLONG ST	LOCAL	GRASS	ASPHALT			
86 BUDLONG ST #1	LOCAL	CONCRETE	ASPHALT			
96 BUDLONG ST	LOCAL	GRASS	ASPHALT			
118 BUDLONG ST	LOCAL	GRASS	GRASS			

STREET ADDRESS	STREET TYPE	CURB STOP UNDER SURFACE (C, A OR GRASS)	WATER MAIN UNDER ??	1 CONNECTOR (GOOSENECK)	2 VERIFIED MATERIAL MAIN TO CURBSTOP (CITY SIDE)	3 VERIFIED MATERIAL CURBSTOP TO HOME (CUST SIDE)
119 BUDLONG ST	LOCAL	GRASS	GRASS			
129 BUDLONG ST	LOCAL	GRASS	GRASS			
17 CARE DR (MAINT GARAGE?)	LOCAL	GRASS	GRASS			
21 CARE DR & 25	LOCAL	GRASS	GRASS			
169 E CARLETON RD (ON LAKE ST)	MAJOR	GRASS	ASPHALT		copper	copper
171 E CARLETON RD	MAJOR	CONCRETE	ASPHALT			
185 E CARLETON RD	MAJOR	ASPHALT	ASPHALT			
210 W CARLETON RD (200-218) (ON W FAYETTE ST)	MAJOR	ASPHALT	ASPHALT			
411 W CARLETON RD	MDOT M-99	GRASS	GRASS			
3220 W CARLETON RD 3228-3236 (ON INDUSTRIAL)	MAJOR	GRASS	GRASS			
3780 W CARLETON RD	MDOT M-99	GRASS	GRASS			
20 CHARLES ST	LOCAL	GRASS	ASPHALT			
111 COLD SPRINGS CIR	LOCAL	GRASS	GRAVEL			
64 W COLLEGE ST	LOCAL	GRASS	GRASS		copper	copper
981 DEVELOPMENT DR	MAJOR	GRASS	GRASS			
120 DICKERSON ST	LOCAL	CONCRETE	GRASS			
130 DICKERSON ST	LOCAL	GRASS	GRASS		NOT COPPER	NOT COPPER
8 DIVISION ST	LOCAL	GRASS	ASPHALT		copper	copper
113 FAIRVIEW AVE	LOCAL	GRASS	GRASS			
7 E FAYETTE ST	MAJOR	PIT	ASPHALT		PIT	PIT
40 E FAYETTE ST	MAJOR	GRASS	ASPHALT		copper	plastic
90 E FAYETTE ST	MAJOR	GRASS	ASPHALT		copper	copper
93 E FAYETTE ST	MAJOR	GRASS	ASPHALT		copper	copper
175 W FAYETTE ST	MAJOR	GRASS	ASPHALT			
185 W FAYETTE ST	MAJOR	GRASS	ASPHALT			
9 FOXTAIL LN	LOCAL	GRASS	GRASS			
16 FOXTAIL LN	LOCAL	GRASS	GRASS			
21 FRISBIE ST	LOCAL	PIT	ASPHALT		copper	NOT COPPER
SW CRN GALLOWAY/HILLSDALE (8 GALLOWAY)	MAJOR	GRASS	ASPHALT			
15 W GALLOWAY DR	LOCAL	GRASS	GRASS			
25 W GALLOWAY DR	LOCAL	GRASS	GRASS		copper	copper
3 GLENDALE AVE	LOCAL	CONCRETE	GRASS			
22 GLENDALE AVE	LOCAL	GRASS	GRASS			
31 GLENDALE AVE	LOCAL	CONCRETE	GRASS			
33 GLENDALE AVE	LOCAL	CONCRETE	GRASS			
36 GLENDALE AVE	LOCAL	GRASS	GRASS			
95 GLENDALE AVE	LOCAL	GRASS	ASPHALT			
16 GOODRICH AVE	LOCAL	GRASS	ASPHALT			

STREET ADDRESS	STREET TYPE	CURB STOP UNDER SURFACE (C, A OR GRASS)	WATER MAIN UNDER ??	1 CONNECTOR (GOOSENECK)	2 VERIFIED MATERIAL MAIN TO CURBSTOP (CITY SIDE)	3 VERIFIED MATERIAL CURBSTOP TO HOME (CUST SIDE)
25 GOODRICH AVE	LOCAL	GRASS	ASPHALT			
192 GRACE ST	LOCAL	GRASS	ASPHALT			
10 GREENWOOD ST	LOCAL	GRASS	GRASS		copper	copper
36 GREENWOOD ST	LOCAL	GRASS	ASPHALT		copper	copper
125 GRISWOLD ST	LOCAL	GRASS	ASPHALT		copper	NOT COPPER
166 GRISWOLD ST	MAJOR	GRASS	ASPHALT		NOT COPPER	NOT COPPER
199 GRISWOLD ST	MAJOR	GRASS	ASPHALT		copper	copper
206 GRISWOLD ST	MAJOR	GRASS	ASPHALT		copper	copper
64 E HALLETT ST (ON S HOWELL)	MAJOR	GRASS	ASPHALT			
70 E HALLETT ST	MAJOR	GRASS	ASPHALT			
108 E HALLETT ST	MAJOR	GRASS	ASPHALT			
9 W HALLETT ST	MAJOR	GRASS	CONCRETE		copper	copper
28 W HALLETT ST	MAJOR	GRASS	CONCRETE			
30 W HALLETT ST	MAJOR	GRASS	ASPHALT			
31 W HALLETT ST	MAJOR	CONCRETE	ASPHALT			
67 W HALLETT ST	MAJOR	GRASS	ASPHALT		copper	copper
71 W HALLETT ST	MAJOR	GRASS	GRASS			
3 HEATHCLIFF DR	LOCAL	GRASS	GRASS			
20 HIGHLAND AVE	LOCAL	GRASS	ASPHALT			
44 HIGHLAND AVE	LOCAL	GRASS	GRAVEL			
139 HILLCREST DR	LOCAL	GRASS	GRASS		copper	copper
16 HILLSDALE ST	MAJOR	BRICK	ASPHALT			
25 HILLSDALE ST	MAJOR	GRASS	ASPHALT			
79 HILLSDALE ST #2	MAJOR	GRASS	ASPHALT			
81 HILLSDALE ST	MAJOR	GRASS	ASPHALT		NOT COPPER	copper
148 HILLSDALE ST #1	MAJOR	GRASS	ASPHALT		copper	copper
157 HILLSDALE ST	MAJOR	GRASS	ASPHALT		copper	copper
173 HILLSDALE ST #3	MAJOR	GRASS	ASPHALT		NOT COPPER	NOT COPPER
189 HILLSDALE ST	MAJOR	GRASS	ASPHALT		NOT COPPER	NOT COPPER
243 HILLSDALE ST (RETIRED)	MAJOR	GRASS	ASPHALT			
245 HILLSDALE ST (RETIRED)	MAJOR	GRASS	ASPHALT			
247 HILLSDALE ST (RETIRED)	MAJOR	GRASS	ASPHALT			
275 HILLSDALE ST SPRINKLER	MAJOR	GRASS	ASPHALT		copper	NOT COPPER
291 HILLSDALE ST	MAJOR	GRASS	ASPHALT		copper	NOT COPPER
303 HILLSDALE ST (WATERMAN RES)	MAJOR	GRASS	GRASS		copper	copper
322 HILLSDALE ST #2	MAJOR	GRASS	ASPHALT		copper	copper
332 HILLSDALE ST 3-UNIT	MAJOR	GRASS	ASPHALT			
350 HILLSDALE ST	MAJOR	ASPHALT	ASPHALT			

STREET ADDRESS	STREET TYPE	CURB STOP UNDER SURFACE (C, A OR GRASS)	WATER MAIN UNDER ??	1 CONNECTOR (GOOSENECK)	2 VERIFIED MATERIAL MAIN TO CURBSTOP (CITY SIDE)	3 VERIFIED MATERIAL CURBSTOP TO HOME (CUST SIDE)
365 HILLSDALE ST	MAJOR	GRASS	ASPHALT		copper	copper
400 HILLSDALE ST	MAJOR	CONCRETE	ASPHALT			
14 HOWDER ST	LOCAL	PIT	ASPHALT		PIT	PIT
51 HOWDER ST	LOCAL	GRASS	ASPHALT			
57 HOWDER ST	LOCAL	GRASS	ASPHALT		NOT COPPER	NOT COPPER
42 N HOWELL ST	MAJOR	CONCRETE	ASPHALT			
60 N HOWELL ST & 62	MAJOR	CONCRETE	ASPHALT			
76 N HOWELL ST	MAJOR	CONCRETE	CONCRETE			
6 S HOWELL ST	MAJOR	CONCRETE	ASPHALT			
16 S HOWELL ST	MAJOR	CONCRETE	ASPHALT			
30 S HOWELL ST & 32 #2	MAJOR	CONCRETE	ASPHALT			
62 S HOWELL ST	MAJOR	CONCRETE	ASPHALT			
67 S HOWELL ST #1	MAJOR	GRASS	ASPHALT			
91 S HOWELL ST	MAJOR	GRASS	ASPHALT			
94 S HOWELL ST	MAJOR	GRASS	ASPHALT			
102 S HOWELL ST (ON E SHARP)	MAJOR	ASPHALT	ASPHALT			
107 S HOWELL ST	MAJOR	GRASS	GRASS			
119 S HOWELL ST	MAJOR	GRASS	GRASS			
122 S HOWELL ST	MAJOR	GRASS	GRASS			
171 S HOWELL ST	MAJOR	GRASS	ASPHALT			
177 S HOWELL ST	MAJOR	GRASS	ASPHALT			
208 S HOWELL ST	MAJOR	GRASS	ASPHALT			
215 S HOWELL ST	MAJOR	GRASS	ASPHALT			
8 LAKE ST	LOCAL	PIT	GRASS		PIT	PIT
29 LEROY ST	LOCAL	GRASS	ASPHALT			
34 LEROY ST	LOCAL	GRASS	ASPHALT			
1 LOPRESTO AVE (ON GRISWOLD)	MAJOR	GRASS	GRASS		NOT COPPER	NOT COPPER
17 LOPRESTO AVE	LOCAL	PIT	GRASS		PIT	PIT
18 LOPRESTO AVE	LOCAL	GRASS	ASPHALT			
20 LUDLAM ST	LOCAL	GRASS	ASPHALT		copper	copper
28 LUDLAM ST (ON GRISWOLD)	LOCAL	GRASS	ASPHALT		copper	copper
165 N MANNING ST & 167	LOCAL	GRASS	ASPHALT		copper	copper
200 N MANNING ST #3	LOCAL	GRASS	ASPHALT			
215/217 N MANNING ST	LOCAL	GRASS	ASPHALT			
216 N MANNING ST	LOCAL	GRASS	ASPHALT			
224 N MANNING ST (LOT)	LOCAL	CONCRETE	ASPHALT			
39 S MANNING ST DUPLEX	MAJOR	GRASS	ASPHALT			
41 S MANNING ST 3-UNIT	MAJOR	GRASS	ASPHALT			

STREET ADDRESS	STREET TYPE	CURB STOP UNDER SURFACE (C, A OR GRASS)	WATER MAIN UNDER ??	1 CONNECTOR (GOOSENECK)	2 VERIFIED MATERIAL MAIN TO CURBSTOP (CITY SIDE)	3 VERIFIED MATERIAL CURBSTOP TO HOME (CUST SIDE)
46 S MANNING ST (LOT)	MAJOR	GRASS	ASPHALT			
119 S MANNING ST	MAJOR	GRASS	ASPHALT			
127 S MANNING ST	MAJOR	CONCRETE	ASPHALT			
139 S MANNING ST	MAJOR	GRASS	ASPHALT			
145 S MANNING ST	MAJOR	GRASS	ASPHALT		GALVANIZED	NOT COPPER
152 S MANNING ST	MAJOR	ASPHALT	ASPHALT			
157 S MANNING ST	MAJOR	GRASS	ASPHALT			
172 S MANNING ST	LOCAL	GRASS	GRASS			
18 MARION ST	LOCAL	GRASS	ASPHALT		copper	copper
70 MARION ST	LOCAL	GRASS	GRASS		copper	copper
77 MARION ST & 79	LOCAL	GRASS	GRASS		copper	copper
120 MARION ST (ON DICKERSON)	LOCAL	PIT	GRASS		PIT	PIT
142 MARION ST	LOCAL	GRASS	GRASS		copper	NOT COPPER
1039 MARKKRIS	LOCAL	GRASS	GRASS			
1145 MARKKRIS	LOCAL	GRASS	ASPHALT			
1154 MARKKRIS	LOCAL	ASPHALT	ASPHALT			
19 MCCLELLAN ST	LOCAL	GRASS	GRASS			
36 MCCLELLAN ST	LOCAL	GRASS	ASPHALT		copper	copper
42 MCCLELLAN ST	LOCAL	ASPHALT	GRASS			
84 MCCLELLAN ST	LOCAL	GRASS	GRASS		copper	NOT COPPER
7 MCCOLLUM ST	MAJOR	GRASS	ASPHALT			
33 MCCOLLUM ST #1 (ON N MANNING)	MAJOR	GRASS	ASPHALT			
33 MCCOLLUM ST #2 (ON N MANNING)	MAJOR	GRASS	ASPHALT			
165 MECHANIC ST	MAJOR	GRASS	GRASS			
225 MECHANIC ST	MAJOR	GRASS	GRASS			
7 MONROE ST	LOCAL	GRASS	ASPHALT		copper	NOT COPPER
18 E MONTGOMERY ST	LOCAL	PIT	ASPHALT		PIT	PIT
2 MORRY ST (1 S WARREN, COMBINED)	LOCAL	GRASS	ASPHALT			
45 MORRY ST (ON WALNUT)	LOCAL	GRASS	GRASS			
6 N NORWOOD AVE	LOCAL	GRASS	ASPHALT			
11 N NORWOOD AVE	LOCAL	GRASS	ASPHALT			
12 N NORWOOD AVE 4-UNIT	LOCAL	GRASS	ASPHALT			
16 N NORWOOD AVE	LOCAL	GRASS	ASPHALT			
17 N NORWOOD AVE	LOCAL	GRASS	ASPHALT			
32 N NORWOOD AVE	LOCAL	GRASS	ASPHALT			
40 N NORWOOD AVE	LOCAL	GRASS	ASPHALT			
55 N NORWOOD AVE	LOCAL	GRASS	ASPHALT			
60 N NORWOOD AVE	LOCAL	GRASS	ASPHALT			

STREET ADDRESS	STREET TYPE	CURB STOP UNDER SURFACE (C, A OR GRASS)	WATER MAIN UNDER ??	1 CONNECTOR (GOOSENECK)	2 VERIFIED MATERIAL MAIN TO CURBSTOP (CITY SIDE)	3 VERIFIED MATERIAL CURBSTOP TO HOME (CUST SIDE)
73 N NORWOOD AVE	LOCAL	GRASS	ASPHALT			
82 N NORWOOD AVE	LOCAL	GRASS	ASPHALT		copper	copper
29 S NORWOOD AVE	MAJOR	GRASS	ASPHALT		copper	copper
52 S NORWOOD AVE	MAJOR	GRASS	ASPHALT			
59 S NORWOOD AVE	MAJOR	GRASS	ASPHALT			
66 S NORWOOD AVE	MAJOR	GRASS	ASPHALT			
74 S NORWOOD AVE	MAJOR	GRASS	ASPHALT			
38 OAK ST DUPLEX	MAJOR	GRASS	ASPHALT		copper	NOT COPPER
63 OAK ST DUPLEX	MAJOR	GRASS	ASPHALT		copper	copper
95 OAK ST	MAJOR	GRASS	ASPHALT		copper	NOT COPPER
125 OAK ST & 127	MAJOR	GRASS	ASPHALT		copper	copper
128 OAK ST	MAJOR	GRASS	ASPHALT		NOT COPPER	NOT COPPER
140/138 OAK ST DUPLEX	MAJOR	GRASS	ASPHALT		copper	copper
143 OAK ST	MAJOR	GRASS	ASPHALT		copper	copper
157 OAK ST	MAJOR	CONCRETE	ASPHALT			
163 OAK ST	MAJOR	GRASS	ASPHALT			
163.5 OAK ST	MAJOR	CONCRETE	ASPHALT			
184 OAK ST	LOCAL	GRASS	ASPHALT			
188 OAK ST	LOCAL	GRASS	ASPHALT		copper	NOT COPPER
17 PARK ST	LOCAL	GRASS	GRASS		copper	NOT COPPER
22 PARK ST #1	LOCAL	GRASS	GRASS		NOT COPPER	NOT COPPER
22 PARK ST #3	LOCAL	GRAVEL	GRASS			
58 PARK ST	LOCAL	ASPHALT	GRASS			
4 PICARDY PL	LOCAL	GRASS	ASPHALT			
164 REA ST	LOCAL	GRASS	ASPHALT			
181 REA ST	LOCAL	GRASS	ASPHALT			
190 REA ST (ON LEROY)	LOCAL	GRASS	ASPHALT			
22 READING AVE	MAJOR	GRASS	ASPHALT			
36 READING AVE	MAJOR	GRASS	ASPHALT			
48 READING AVE	MAJOR	GRASS	ASPHALT			
57 READING AVE	MAJOR	GRASS	ASPHALT			
77 READING AVE	MAJOR	GRASS	ASPHALT			
98 READING AVE	MAJOR	GRASS	ASPHALT			
180 READING AVE	MAJOR	GRASS	GRASS			
192 READING AVE	MAJOR	GRASS	GRASS			
1331 BANKERS RD	MAJOR	GRASS	GRASS			
18 RIVER ST	LOCAL	GRASS	ASPHALT		NOT COPPER	NOT COPPER
42 RIVER ST	LOCAL	GRASS	ASPHALT		copper	copper

STREET ADDRESS	STREET TYPE	CURB STOP UNDER SURFACE (C, A OR GRASS)	WATER MAIN UNDER ??	1 CONNECTOR (GOOSENECK)	2 VERIFIED MATERIAL MAIN TO CURBSTOP (CITY SIDE)	3 VERIFIED MATERIAL CURBSTOP TO HOME (CUST SIDE)
83 RIVER ST	LOCAL	GRASS	ASPHALT		copper	copper
146 RIVER ST	LOCAL	GRASS	GRASS		copper	copper
147 N MANNING ST (ON RIVER)	LOCAL	GRASS	ASPHALT		NOT COPPER	copper
147 RIVER ST	LOCAL	GRASS	GRASS		NOT COPPER	NOT COPPER
154 RIVER ST	LOCAL	GRASS	GRASS		copper	copper
157 RIVER ST	LOCAL	GRASS	GRASS		copper	copper
158 N MANNING ST (ON RIVER)	LOCAL	GRASS	ASPHALT		copper	copper
101 RIVERDALE 5-UNIT	LOCAL	GRASS	GRASS		copper	copper
104 RIVERDALE	LOCAL	GRASS	GRASS		copper	copper
46 SALEM ST	LOCAL	PIT	ASPHALT		PIT	PIT
49 SALEM ST	LOCAL	GRASS	ASPHALT		NOT COPPER	NOT COPPER
50 SALEM ST	LOCAL	PIT	ASPHALT		PIT	PIT
51 SALEM ST	LOCAL	GRASS	ASPHALT		copper	plastic
53 SALEM ST	LOCAL	GRASS	ASPHALT		copper	plastic
58 SALEM ST	LOCAL	CONCRETE	ASPHALT			
64 SALEM ST (ON HOWDER)	LOCAL	GRASS	ASPHALT		copper	copper
28 E SHARP ST	LOCAL	GRASS	ASPHALT			
36 E SHARP ST	LOCAL	GRASS	ASPHALT		copper	plastic
92 E SHARP ST	LOCAL	GRASS	ASPHALT			
12 W SHARP ST	LOCAL	CONCRETE	GRASS			
15 W SHARP ST	LOCAL	GRASS	GRASS			
20 W SHARP ST	LOCAL	CONCRETE	GRASS			
69 E SOUTH ST	MAJOR	GRASS	GRASS			
85 E SOUTH ST	MAJOR	GRASS	ASPHALT			
123 E SOUTH ST	MAJOR	CONCRETE	ASPHALT			
135 E SOUTH ST	MAJOR	GRASS	ASPHALT		NOT COPPER	NOT COPPER
170 E SOUTH ST #2	MAJOR	CONCRETE	ASPHALT			
54 W SOUTH ST	LOCAL	GRASS	ASPHALT			
50 SPRING ST (ON N NORWOOD)	MAJOR	GRASS	ASPHALT			
75 SPRING & 73	MAJOR	GRASS	GRASS			
78 SPRING ST	MAJOR	GRASS	GRASS			
85 SPRING ST	MAJOR	GRASS	GRASS			
101 SPRING ST (ON LEWIS)	MAJOR	ASPHALT	ASPHALT			
190 SPRING ST	MAJOR	GRASS	ASPHALT			
194 SPRING ST (PARSONAGE)	MAJOR	GRASS	ASPHALT			
269 SPRING ST	MAJOR	GRASS	ASPHALT			
23 E ST JOE ST	LOCAL	GRASS	GRASS		copper	copper
14 W ST JOE ST	LOCAL	GRASS	ASPHALT		NOT COPPER	copper

STREET ADDRESS	STREET TYPE	CURB STOP UNDER SURFACE (C, A OR GRASS)	WATER MAIN UNDER ??	1 CONNECTOR (GOOSENECK)	2 VERIFIED MATERIAL MAIN TO CURBSTOP (CITY SIDE)	3 VERIFIED MATERIAL CURBSTOP TO HOME (CUST SIDE)
70 W ST JOE ST	LOCAL	GRASS	ASPHALT		copper	NOT COPPER
78 W ST JOE ST	LOCAL	GRASS	ASPHALT		copper	NOT COPPER
34 STATE ST #1	MAJOR	GRASS	GRASS		copper	copper
41 STATE ST	MAJOR	GRASS	GRASS		NOT COPPER	NOT COPPER
43 STATE ST	MAJOR	CONCRETE	GRASS			
71 STATE ST	MAJOR	GRASS	GRASS		copper	copper
76 STATE ST	MAJOR	GRASS	GRASS		copper	copper
100 LUMBARD ST (ON STATE ST)	MAJOR	GRASS	ASPHALT		copper	copper
173 STATE ST #1	MAJOR	PIT	ASPHALT		PIT	PIT
181 STATE ST	MAJOR	PIT	GRASS		PIT	PIT
3 SUMAC DR	LOCAL	GRASS	ASPHALT			
314 SUMMIT ST	LOCAL	GRASS	ASPHALT		copper	copper
322 SUMMIT ST	LOCAL	GRASS	GRASS		NOT COPPER	copper
324 SUMMIT ST	LOCAL	GRASS	GRASS		copper	copper
350 SUMMIT ST	LOCAL	GRASS	GRASS			
403 SUMMIT ST	LOCAL	GRASS	GRASS			
68 SUPERIOR ST	LOCAL	GRASS	ASPHALT		copper	copper
54 UNION ST	LOCAL	GRASS	ASPHALT			
102 UNION ST	LOCAL	GRASS	ASPHALT		copper	copper
103 UNION ST	LOCAL	PIT	ASPHALT		NOT COPPER	NOT COPPER
136 UNION ST	LOCAL	GRASS	ASPHALT		GALVANIZED	NOT COPPER
155 UNION ST	LOCAL	GRASS	ASPHALT			
188 UNION ST	LOCAL	GRASS	ASPHALT		copper	copper
191 UNION ST DUPLEX	LOCAL	GRASS	ASPHALT		copper	copper
192 UNION ST	LOCAL	GRASS	ASPHALT		copper	copper
197 UNION ST	LOCAL	GRASS	ASPHALT		copper	copper
205 UNION ST	LOCAL	GRASS	ASPHALT		copper	copper
231 URAN ST	MAJOR	GRASS	ASPHALT			
251 URAN ST	MAJOR	GRASS	GRASS			
5 WALDRON ST	LOCAL	GRASS	ASPHALT			
42 WALDRON ST (ON S HOWELL)	LOCAL	CONCRETE	ASPHALT			
62 WALDRON ST	LOCAL	GRASS	GRASS		copper	copper
18 WALNUT ST	LOCAL	GRASS	ASPHALT			
20 W WARREN AVE #1	LOCAL	GRASS	ASPHALT			
23 W WARREN AVE	LOCAL	GRASS	ASPHALT			
32 W WARREN AVE	LOCAL	GRASS	ASPHALT			
181 WATERWORKS DR	MAJOR	PIT	GRASS		PIT	PIT
3 NORTH ST (ON N WEST)	MAJOR	GRASS	ASPHALT			

STREET ADDRESS	STREET TYPE	CURB STOP UNDER SURFACE (C, A OR GRASS)	WATER MAIN UNDER ??	1 CONNECTOR (GOOSENECK)	2 VERIFIED MATERIAL MAIN TO CURBSTOP (CITY SIDE)	3 VERIFIED MATERIAL CURBSTOP TO HOME (CUST SIDE)
31 N WEST ST ETAL	MAJOR	CONCRETE	ASPHALT			
35 N WEST ST	MAJOR	CONCRETE	ASPHALT			
66 N WEST ST 4-UNIT	MAJOR	GRASS	ASPHALT			
73 N WEST ST	MAJOR	GRASS	ASPHALT			
79 N WEST ST	MAJOR	GRASS	ASPHALT			
81 N WEST ST 3-UNIT	MAJOR	GRASS	ASPHALT			
100 N WEST ST	MAJOR	GRASS	ASPHALT			
152 N WEST ST	MAJOR	GRASS	ASPHALT		copper	NOT COPPER
155 N WEST ST	MAJOR	GRASS	ASPHALT		copper	NOT COPPER
170 N WEST ST	MAJOR	GRASS	ASPHALT		copper	copper
341 N WEST ST	LOCAL	GRASS	GRASS		copper	copper
358 N WEST ST	LOCAL	GRASS	GRASS		copper	NOT COPPER
4 S WEST ST & 6	MAJOR	GRASS	ASPHALT			
29 S WEST ST	MAJOR	GRASS	ASPHALT			
54 S WEST ST	MAJOR	GRASS	ASPHALT			
68 S WEST ST	MAJOR	CONCRETE	ASPHALT			
71 S WEST ST	MAJOR	CONCRETE	ASPHALT			
72 S WEST ST	MAJOR	GRASS	ASPHALT			
76 S WEST ST (ON W SOUTH ST)	LOCAL	GRASS	ASPHALT			
107 S WEST ST (ON E SHARP)	LOCAL	GRASS	ASPHALT			
154 WESTWOOD DR	LOCAL	GRASS	ASPHALT			
17 WESTWOOD ST	LOCAL	GRASS	ASPHALT			
23 WESTWOOD ST	LOCAL	GRASS	ASPHALT			
54 WESTWOOD ST (ON RIPPON)	LOCAL	GRASS	GRASS	brass	copper	NOT COPPER
70 WESTWOOD ST	LOCAL	GRASS	ASPHALT			
113 WESTWOOD ST	LOCAL	GRASS	GRASS			
104 WILLIAMS CT	LOCAL	GRASS	GRASS		copper	copper
112 WILLIAMS CT	LOCAL	GRASS	GRASS			
117 WILLIAMS CT	LOCAL	GRASS	GRASS		copper	copper
121 WILLIAMS CT	LOCAL	GRASS	GRASS		copper	copper
9 WILLOW ST	LOCAL	GRASS	ASPHALT		copper	NOT COPPER
10 WILLOW ST	LOCAL	PIT	ASPHALT		copper	copper
11 WILLOW ST	LOCAL	GRASS	ASPHALT		copper	copper
82 S WOLCOTT ST	LOCAL	GRASS	GRASS		copper	removed
				337	218	218

AUS

ALLEGHENY UTILITY SOLUTIONS LLC



City of Hilldale
Utility Locating 2021-2022

Allegheny Utility Solutions LLC
132 N Allegheny St #545
Bellefonte, PA 16823
717-585-4186
info@alleghenyutility.com



Certified Service-Disabled
Veteran-Owned Business



ALLEGHENY UTILITY SOLUTIONS LLC

10/26/2021

Hillsdale City Hall
Office of The City Clerk
97 N. Broad St
Hillsdale, MI 49242

RE: Hillsdale City – 2021-2022 Utility Locating

To Whom It May Concern:

Allegheny Utility Solutions LLC (AUS) is pleased to provide the City of Hillsdale with this proposal for utility locating (potholing) to verify the material of water service lines. We have partnered with contractor from the Hillsdale area on this project. AUS will be providing a majority of the services, and RDK's Asphalt and Sealcoating will be performing the final asphalt and concrete restorations.

We believe we have the experience and manpower to efficiently execute this project, and have offered a competitive bid. If awarded this work, we look forward to working the City of Hillsdale.

The following pages contain our pricing proposal and a brief company profile.

If you have any questions, please don't hesitate to reach out to me.

Thank you,

Josh McConnell
Vice President
717-585-4186

ALLEGHENY UTILITY SOLUTIONS LLC
132 N. ALLEGHENY ST #545, BELLEFONTE, PA 16823
855.393.346
WWW.ALLEGHENYUTILITY.COM



**Certified Service-Disabled
Veteran-Owned Business**

AUS

ALLEGHENY UTILITY SOLUTIONS LLC

COMPANY PROFILE

Allegheny Utility Solutions LLC was formed in 2009 and is a fully insured, family-owned business whose specialty is inspecting, locating, and mapping underground utilities. A certified Service Disability Veteran Owned Small Business, we offer high quality, personal service to all our customers. With AUS, you are not just a number on a balance sheet, and you will not need to navigate layers of corporate management when contacting us. In fact, the owners are often in the field working alongside the technicians. Some of our past and current customers include Pittsburgh Sewer and Water Authority, Mott McDonald, Dawood Engineering, Lehigh County Authority, Woolrich, Graymont, Shell, URS Inc., Mansfield University, and numerous environmental consultants, engineering firms, and homeowners. Some of the benefits of working with AUS are:

- AUS is fully committed to safety and accident/injury prevention.
- Small business without multiple layers of management allows us to quickly adapt and handle challenges.
- Dedicated project manager, available 24-7-365.
- We own or have access to some of the most advanced, cutting-edge Vacuum and CCTV equipment and software available in today's market.
- NASSCO PACP, MACP, & LACP Certified.

Our services include:

- Hydro-excavation and Air Excavations (soft excavating)
- Sewer Jetting/Cleaning
- Video Pipe Inspection w/ Lateral Launch - NASSCO certified
- Manhole Inspections - NASSCO certified
- Utility Locating – 811 Tickets and/or Private Utilities.
- Ground Penetrating Radar (for locating tanks, utilities, etc.)
- GIS Mapping (capable of centimeter accuracy)
- Smoke Testing
- Leak Detection
- GPR Concrete Scanning
- Licensed Drone Pilots for aerial photography, videography, thermal imaging, volumetric analysis.

ALLEGHENY UTILITY SOLUTIONS LLC
132 N. ALLEGHENY ST #545, BELLEFONTE, PA 16823
855.393.346
WWW.ALLEGHENYUTILITY.COM

PROPOSAL:

All bids will be paid using Unit Prices in accordance with the submitted proposal.

The City of Hillsdale reserves the right to award any part(s) of the contract and/or reject all bids if it is in the best interest of the City.

PART 1 (BASE BID):

ITEM DESCRIPTION	EST. QUANT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS	\$9000.00	\$9,000.00
Hydro-Excavate at Curb-Stops	218	EA	\$200.00	\$43,600.00
Hydro-Excavate at Water Main	337	EA	\$250.00	\$84,250.00
Concrete/Asphalt Removals and Temp Backfilling (Estimated 282 locations)	4,512	SF	\$6.30	\$28,425.60
Grass Area Restorations	270	EA	\$100.00	\$27,000.00
Concrete Area Restorations	576	SF	\$12.50	\$7,200.00
Asphalt Area Restorations	438	SY	\$34.71	\$15,202.98
Traffic Control – Major & Local Streets	1	LS	\$10,000.00	\$10,000.00
Traffic Control – MDOT ROW Work	1	LS	\$10,000.00	\$10,000.00
GRAND TOTAL:				\$234,678.58

PART 2 (POTENTIAL ADDITIONAL CONTRACT WORK):

ITEM DESCRIPTION	EST. QUANT.	UNIT	UNIT COST	TOTAL COST
Mobilization (Max 5% of Bid)	1	LS	\$4,000.00	\$4,000.00
Hydro-Excavate at Curb-Stops	300	EA	\$200.00	\$60,000.00
Grass Area Restorations	300	EA	\$100.00	\$30,000.00
Traffic Control – Major & Local Streets	1	LS	\$6000.00	\$6000.00
GRAND TOTAL:				\$100,000.00

The undersigned, having familiarized (himself/herself) with the Request for Proposal, the bidder shall examine the scope of work to be completed and shall completely familiarize (himself/herself) with existing conditions to be encountered, the difficulties and limitations involved in completing the project and all other factors affecting the work proposed with this project. The Contractor shall provide all necessary labor, transportation, meals, etc. to perform all the work and furnish all necessary material to complete plans outlined in the proposal.

In submitting this proposal, it is understood and agreed by the undersigned that the right is reserved by the City to reject any or all proposals. It is further understood and agreed by the same undersigned that any qualifying statements, or conditions made to the above proposal, as originally published, as well as any interlineations, erasures, omissions, or entered wording obscure as to its meaning, may cause the bid to be declared irregular and may be cause for rejection of the bid.


Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

<u>Addendum Number</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____

Certification Regarding Debarment, Suspension and Other Responsibility Matters—
Primary Covered Transaction

- I. The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or committee; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification and (d) Have not within a three-year period preceding this application/proposal had one or more public transaction (Federal, State or local) terminated for cause or default.

- II. Where the prospective primary participant is unable to certify to any the statements in this certification, such prospective participant shall attach an explanation to this proposal.

SIGNATURE OF PROPOSER 

TITLE Vice President

NAME OF COMPANY Allegheny Utility Solutions LLC

ADDRESS 132 N Allegheny St #545

CITY Bellefonte, PA STATE PA ZIP CODE 16823

TELEPHONE 717-585-4186 FAX 855-393-3463

EMAIL info@alleghenyutility.com DATE 10/26/2021



**PHILADELPHIA
INSURANCE COMPANIES**

BID OR PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we,

Allegheny Utility Solutions, LLC

of 132 N Allegheny St. #545, Bellefonte, PA 16823

(hereinafter called the Principal) as Principal, and PHILADELPHIA INDEMNITY INSURANCE COMPANY, with its principal office at One Bala Plaza, Suite 100 in the City of Bala Cynwyd, Pennsylvania (hereinafter called the Surety), as Surety, are held and firmly bound unto

City of Hillsdale

of 97 N. Broad St., Hillsdale, MI 49242

(hereinafter called the Obligee) in the penal sum of

five percent (5%) of the total amount bid

Dollars\$ _____ lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas, the Principal has submitted the accompanying bid dated 10/28/2021 for

utility locating

NOW, THEREFORE, if the Obligee shall make any award according to the terms of said bid and the Principal shall enter into a contract with said Obligee in accordance with the terms of said bid and give bond for the faithful performance thereof within the time specified; or if no time is specified within thirty days after the date of said award; or if the Principal shall, in the case of failure so to do, indemnify the Obligee against any loss the Obligee may suffer directly arising by reason of such failure, not exceeding the penalty of this bond, then this obligation shall be null and void: otherwise to remain in full force and virtue.

Signed, sealed and dated: November 1, 2021

Allegheny Utility Solutions, LLC

(Principal)

By: _____

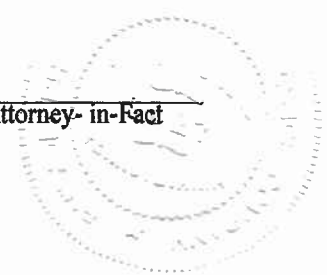
PHILADELPHIA INDEMNITY INSURANCE COMPANY

By:

Tabbatha Kepner

Tabbatha Kepner,

Attorney-in-Fact



PHILADELPHIA INDEMNITY INSURANCE COMPANY

One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004-0950

Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That **PHILADELPHIA INDEMNITY INSURANCE COMPANY** (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint **Nathan Miller, Sandra Hartzell, Michelle Bennett, Brandy Prinz, Heidi R. Brutko, Tabbatha Kepner or Chris Papke of Philadelphia Indemnity Insurance Company** its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed \$50,000,000.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY on the 14th of November, 2016.

RESOLVED: That the Board of Directors hereby authorizes the President or any Vice President of the Company: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED: That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEAL TO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 5TH DAY OF MARCH, 2021.

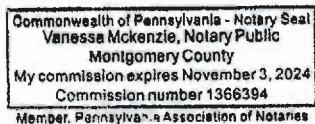


(Seal)

John Glomb, President & CEO
Philadelphia Indemnity Insurance Company

On this 5th day of March, 2021 before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the **PHILADELPHIA INDEMNITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.

Notary Public:



residing at:

Bala Cynwyd, PA

My commission expires:

November 3, 2024

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and the Power of Attorney issued pursuant thereto on the 5th day March, 2021 are true and correct and are still in full force and effect. I do further certify that John Glomb, who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 1st day of November, 2021



Edward Sayago, Corporate Secretary
PHILADELPHIA INDEMNITY INSURANCE COMPANY



City of Hillsdale Board of Public Utilities Agenda Item Summary

Meeting Date: November 9, 2021

Agenda Item: Action Items

SUBJECT: Union City Withdrawal Agreement

BACKGROUND PROVIDED BY STAFF:

Union City has requested to withdraw from the Michigan South Central Power Agency. They have divided up the assets that must stay with the agency to Marshall and Coldwater. Hillsdale and Clinton will see no increased costs with this transition.

RECOMMENDATION: Staff recommends approving and recommending to Council to approve the Withdrawal Agreement of Union City from the Michigan South Central Power Agency.

WITHDRAWAL AND ALLOCATION ADJUSTMENT AGREEMENT

This Withdrawal and Allocation Adjustment Agreement (“**Agreement**”) is made and entered into as of this ___ day of _____, 2021 and shall be effective for all purposes as of the ___ day of _____, 2021 (the “**Effective Date**”) by and among the Village of Union City, a Michigan general law village (the “**Transferring Member**”), the City of Coldwater, a Michigan home rule city (the “**Coldwater Transferee**”), the City of Marshall, a Michigan home rule city (the “**Marshall Transferee**” and, collectively with the Coldwater Transferee, the “**Transferee Members**”), the Michigan South Central Power Agency (“**MSCPA**”), a Michigan public body corporate and joint agency formed and existing under and pursuant to 1976 Public Act 448 (the “**Act**”) and, solely with respect to the consent of Members in Section 7 and to acknowledge the allocation changes in Sections 2 - 6, the Village of Clinton and the City of Hillsdale (each a “**Consenting Member**” and, collectively, the “**Consenting Members**”). The Transferring Member, Coldwater Transferee, Marshall Transferee and MSCPA are sometimes referred to herein individually as a “**Party**” and, collectively, as the “**Parties.**”

WHEREAS, each of the Transferring Member, the Coldwater Transferee, the Marshall Transferee, the Village of Clinton, a Michigan general law village, and the City of Hillsdale, a Michigan home rule city, are members of MSCPA (collectively the “**Members**”);

WHEREAS, pursuant to previously ratified and approved actions by the board of commissioners of MSCPA in accordance with the constituent documents of MSCPA and the Act (the “**Prior Board Action**”), the board of commissioners of the MSCPA established the right of each Member to purchase or otherwise acquire a specified percentage of the electrical power available to the Members from MSCPA (such percentage, as to each member, a “**Transmission Entitlement**”);

WHEREAS, the Transmission Entitlement of (x) the Transferring Member is 4.86 Mega Watts (the “**TM Transmission Entitlement**”), (y) the Coldwater Transferee is 48.60 Mega Watts (the “**CT Transmission Entitlement**”) and (z) the Marshall Transferee is 29.16 Mega Watts (the “**MT Transmission Entitlement**”);

WHEREAS, in addition to establishing the Transmission Entitlement of each Member, the Prior Board Action established that (v) certain administrative costs and expenses of MSCPA paid by the members would be split among the members pro-rata on the basis of the number of members of MSCPA (the “**Even Split Allocation Items**”), (w) certain administrative costs and expenses of MSCPA paid by the members would be split among the members based upon, for each Member, the ratio such Member’s prior year energy average bears to the overall energy average of the Members (the “**PYEA Allocation Items**”), (x) the AMP Dispatch Charge would be split among the Members on the basis of each Members’ monthly “coincident peak” (the “**CP Allocation Items**”), and (y) the costs and expenses of the pension benefits plans of MSCPA would be split among the Members in accordance with their Project 1 share (the “**Pension Allocation Item**”), and (z) certain transmission related legal costs and expenses of outside counsel to the MSCPA (currently Jennings, Strouss & Salmon, PLC) would be split among the Members on the basis of their Transmission Entitlement (the “**Transmission Legal Allocation Item**” and, collectively with the Even Split Allocation Items, PYEA Allocation Items, CP Allocation Items, Pension Allocation Item and Transmission Legal Allocation Item, the “**Administrative Expense Allocations**”);

WHEREAS, the Transferring Member has advised MSCPA and the other Members that it wishes to withdraw and cease being a member of MSCPA and the Members (other than the Transferring Member) desire to allow the Transferring Member to withdraw from membership in MSCPA pursuant to the terms of this Agreement;

WHEREAS, in connection with its withdrawal from MSCPA and on the terms and subject to the conditions set forth herein, the Transferring Member desires to assign, transfer, and convey to the Transferee Members, and the Transferee Members desire to purchase and acquire from the Transferring Member, the TM Transmission Entitlement;

WHEREAS, in connection with the withdrawal of the Transferring Member and the sale to and purchase by the Transferee Members of the TM Transmission Entitlement, on the terms and subject to the conditions set forth herein, the Parties desire for the Transferring Member to have no further responsibility for the Administrative Expense Allocations and, the remaining Members desire to make certain adjustments to the Administrative Expense Allocations;

WHEREAS, contemporaneous herewith the Transferring Member, MSCPA and Wolverine Power Supply Inc. are entering into that certain Assignment and Assumption of Master Supply Agreement pursuant to which MSCPA is assigning to the Transferring Member, and the Transferring Member is assuming, all of MSCPA's rights and obligations under that certain Master Power Purchase and Sale Agreement dated as of July 13, 2020 and related Confirmation Letter subject to and in accordance with the terms thereof; and

WHEREAS, contemporaneous herewith, the Transferring Member, the Coldwater Transferee and American Municipal Power, Inc. ("**AMP**") are entering into that certain Assignment and Assumption Agreement pursuant to which the Transferring Member is assigning to the Coldwater Transferee, and the Coldwater Transferee is assuming, certain rights and obligations under the Power Sales Contract regarding AMP's Fremont Energy Center between AMP and the "Participants" set forth therein dated June 15, 2011 (the "**Fremont PSC**");

WHEREAS, contemporaneous herewith, the Transferring Member, the Marshall Transferee and American Municipal Power, Inc. ("**AMP**") are entering into that certain Assignment and Assumption Agreement pursuant to which the Transferring Member is assigning to the Marshall Transferee, and the Marshall Transferee is assuming, certain rights and obligations under the Fremont PSC;

WHEREAS, contemporaneous herewith, the Transferring Member, the Coldwater Transferee and AMP are entering into that certain Assignment and Assumption Agreement pursuant to which the Transferring Member is assigning to the Coldwater Transferee, and the Coldwater Transferee is assuming, certain rights and obligations under the Power Sales Contract regarding AMP's Municipal Power Generating Station between AMP and the "Participants" set forth therein dated November 1, 2007 (the "**Municipal PSC**");

WHEREAS, contemporaneous herewith, the Transferring Member, the Marshall Transferee and AMP are entering into that certain Assignment and Assumption Agreement pursuant to which the Transferring Member is assigning to the Marshall Transferee, and the Marshall Transferee is assuming, certain rights and obligations under the Municipal PSC;

NOW, THEREFORE, in consideration of the representations, warranties, covenants and agreements hereinafter set forth and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. TM Transmission Entitlement.

(a) As of the Effective Date, the Transferring Member undertakes and agrees to sell, assign, transfer and convey and by this agreement hereby sells, assigns, transfers and conveys to:

(i) the Coldwater Transferee, 62.55% of the TM Transmission Entitlement, representing a transmission entitlement of 3.04 Mega Watts (the "**Coldwater Transferred Transmission Entitlement**"); and

(ii) the Marshall Transferee, 37.45% of the TM Transmission Entitlement representing a transmission entitlement of 1.82 Mega Watts (the "**Marshall Transferred Transmission Entitlement**").

(b) In consideration of the transfer and assignment to it of the Coldwater Transferred Transmission Entitlement, the Coldwater Transferee undertakes and agrees to pay, or cause to be paid, to the Transferring Member, an amount equal to Three Hundred Twelve Thousand Seven Hundred Fifty dollars (\$312,750) (the “**Coldwater Payment Amount**”) in accordance with the terms hereof;

(c) In consideration of the transfer and assignment to it of the Marshall Transferred Transmission Entitlement, the Marshall Transferee undertakes and agrees to pay, or cause to be paid, to the Transferring Member, an amount equal to One Hundred Eighty-Seven Thousand Two Hundred Fifty dollars (\$187,250) (the “**Marshall Payment Amount**”) and, collectively with the “Coldwater Payment Amount, the “**Payment Amounts**”) in accordance with the terms hereof.

(d) As a result of the transfers and assignments contemplated herein, as of and following the Effective Date (subject in each case to such other allocations with respect to the remaining Members as may be established by the board of commissioners of the MSCPA or otherwise agreed among the members MSCPA in accordance with its constituent documents), each of the Parties acknowledges and agrees that the Transmission Entitlements of the remaining Members shall be as follows:

<u>Member</u>	Transmission Entitlement - <u>Percentage</u> -	Transmission Entitlement - <u>Mega Watts</u> -
City of Coldwater	42.50%	51.64 Mega Watts
City of Marshall	25.5%	30.98 Mega Watts
Village of Clinton	6.5%	7.90 Mega Watts
City of Hillsdale	<u>25.5%</u>	<u>30.98 Mega Watts</u>
	100%	121.50 Mega Watts

(e) In furtherance of and to assist the Transferring Member and the Transferee Members in consummating the transfers and assignments contemplated herein, MSCPA undertakes and agrees:

(i) to invoice to, and collect from, the Coldwater Transferee an amount equal to Three Thousand Two Hundred Fifty-Seven and 81/100 dollars (\$3,257.81) in each of the ninety-six (96) calendar months following the Effective Date in accordance with and as a part of its ordinary course Member billing cycle and promptly remit such amount to the Transferring Member in good and collectible funds; and

(ii) to invoice to, and collect from, the Marshall Transferee an amount equal to One Thousand Nine Hundred Fifty and 52/100 dollars (\$1,950.52) in each of the ninety-six (96) calendar months following the Effective Date in accordance with and as a part of its ordinary course Member billing cycle and promptly remit such amount to the Transferring Member in good and collectible funds.

Notwithstanding anything to the contrary contained herein, the Transferring Member and each Transferee Member understands, acknowledges and agrees that for purposes of the billing, collection and remittance processes contemplated by this Section 1 MSCPA is acting solely as agent of the Transferee Members for the benefit of the Transferring Member and has no obligations with respect to the Payment Amounts other than to send invoices and pass through corresponding receipts pursuant to this Section 1(e). Accordingly, the Transferring Member further understands, acknowledges and agrees that in the event a Transferee Member fails to remit any amount for which it has been invoiced pursuant to this Agreement the sole and exclusive obligation of MSCPA shall be to notify the Transferring Member of such lack of payment.

The Transferring Member and each Transferee Member understands, acknowledges and agrees MSCPA is not in the business of providing payment processing services and that MSCPA shall not in any event or under any

circumstances be liable to the Transferring Member or either Transferee Member for any loss directly or indirectly resulting from MSCPA's improper processing of items except for loss resulting directly from the MSCPA's own gross negligence or willful misconduct and that, in the event that MSCPA is liable to Transferring Member or either Transferee Member under this Agreement, MSCPA's liability shall be limited to the actual direct and provable amount of money damages suffered by the claiming Party. Notwithstanding the foregoing, **in no event will MSCPA be liable for (i) any special, consequential or exemplary damages, or for lost profits, (ii) any failure to perform the MSCPA's responsibilities under this Agreement if such failure is due to strikes, lockouts or other labor disturbances, riots or civil commotions, fire or other casualty, earthquakes, floods, windstorms, lightning or other acts of God, epidemics, sabotage, insurrection, war, disorders, hostilities, expropriation or confiscation of properties, equipment malfunctions, power failures, failures of or delays by carriers or other third parties, interference by civil or military authorities, or any other cause or condition beyond MSCPA's control, (iii) any act or failure to act by Transferring Member or either Transferee Member, (iv) acting pursuant to a court order, subpoena, garnishment, tax levy or similar process in regard to any account or service contemplated by this Section 1(e), or, (v) any claim, loss, damage, deficiency, penalty, cost or expense of Transferring Member or either Transferee Member whatsoever unless caused by the MSCPA's own gross negligence or willful misconduct.**

2. Even Split Allocation Items. As a result of the transfers and assignments contemplated herein, as of and following the Effective Date (subject in each case to such other allocations with respect to the remaining Members as may be established by the board of commissioners of the MSCPA or otherwise agreed among the members MSCPA in accordance with its constituent documents), the Parties and each of the Consenting Members acknowledges and agrees that the Transferring Member shall have no further liability for the Even Split Items and each remaining Member's share of the Even Split Allocation Items shall be as follows:

<u>Member</u>	<u>Even Split Allocations</u>
City of Coldwater	30%
City of Marshall	30%
Village of Clinton	20%
City of Hillsdale	20%

3. PYEA Allocation Items. As a result of the transfers and assignments contemplated herein, as of the Effective Date, the Parties and each of the Consenting Members acknowledges and agrees that the Transferring Member shall have no further liability for the PYEA Allocation each Member's share of the PYEA Allocation Items shall be as follows:

<u>Member</u>	<u>PYEA Allocations</u>
City of Coldwater	65.57%
City of Marshall	14.75%
Village of Clinton	3.06%
City of Hillsdale	16.61%

Each of the remaining Members further acknowledges and agrees that the PYEA Allocations are recalculated annually based upon, for each remaining Member, the ratio such remaining Member's prior year energy average bears to the overall energy average of the remaining Members and that the PYEA Allocations set forth in this Section 3 above (i) are only applicable for the period from the Effective Date until the date of the next annual allocation calculation, (ii) are subject to change as a result of the next annual allocation calculation, (iii) will, notwithstanding anything to the contrary set forth in this Section 3, be as set forth in any annual allocation adopted and or approved by the board of commissioners of the MSCPA or otherwise agreed among the members MSCPA in accordance with its constituent documents after the Effective Date.

4. CP Allocation Items. As a result of the transfers and assignments contemplated herein, as of the Effective Date, the Parties and each of the remaining Members acknowledges and agrees that the Transferring Member shall have no further liability for the CP Allocation Items and each remaining Member’s share of the CP Allocation Items shall be as follows:

<u>Member</u>	<u>CP Allocations</u>
City of Coldwater	82.33%
City of Marshall	7.87%
Village of Clinton	2.04%
City of Hillsdale	7.77%

Each of the remaining Members further acknowledges and agrees that the CP Allocations are recalculated monthly based upon, for each remaining Member, such remaining Member’s “Coincident Peak” (as hereinafter defined) and that the CP Allocations set forth in this Section 4 above (i) are only applicable for the period from the Effective Date until the date of the next monthly allocation calculation, (ii) are subject to change as a result of the next monthly allocation calculation, (iii) will, notwithstanding anything to the contrary set forth in this Section 4, be as set forth in any allocation adopted and or approved by the board of commissioners of the MSCPA or otherwise agreed among the members of MSCPA in accordance with its constituent documents after the Effective Date. For purposes hereof “Coincident Peak” means, for each Member for each monthly period of measurement, that portion of the MSCPA’s highest load hour during the applicable month (each a “*Measurement Load Hour*”) attributable to such Member’s individual load during such Measurement Load Hour, provided, however, that in calculating such Member’s individual load during any Measurement Load Hour any MegaWatts or KiloWatts forming a part of such load attributable to projects for which the Members separately incurs AMP Dispatch charges or costs shall be excluded.

5. Pension Allocation Items. As a result of the transfers and assignments contemplated herein, as of and following the Effective Date (subject in each case to such other allocations with respect to the remaining Members as may be established by the board of commissioners of the MSCPA or otherwise agreed among the members of MSCPA in accordance with its constituent documents), the Parties and each of the Consenting Members acknowledges and agrees that the Transferring Member shall have no further liability for the Pension Allocation Items and each remaining Member’s share of the Pension Allocation Items shall be as follows:

<u>Member</u>	<u>Pension Allocations</u>
City of Coldwater	42.50%
City of Marshall	25.50%
Village of Clinton	6.50%
City of Hillsdale	25.50%

6. Transmission Legal Allocation Items. As a result of the transfers and assignments contemplated herein, as of and following the Effective Date (subject in each case to such other allocations with respect to the remaining Members as may be established by the board of commissioners of the MSCPA or otherwise agreed among the members of MSCPA in accordance with its constituent documents), the Parties and each of the remaining Members acknowledges and agrees the Transferring Member shall have no further liability for Transmission Legal Allocation Items and that each remaining Member’s share of the Transmission Legal Allocation Items shall be as follows:

<u>Member</u>	<u>Transmission Legal Allocations</u>
City of Coldwater	42.50%

City of Marshall	25.50%
Village of Clinton	6.50%
City of Hillsdale	25.50%

7. **Withdrawal.** As of the Effective Date, the Transferring Member hereby irrevocably resigns and withdraws as a member of MSCPA and each of the Transferee Members and Consenting Members, by their execution and delivery of this Agreement, approve and authorize Transferring Member’s resignation and withdrawal as a member from the MSCPA. As of the Effective Date, the Transferring Member shall have no further responsibility or liability for the Administrative Expense Allocations.

8. Miscellaneous

(a) Expenses. Except as otherwise expressly provided herein, all costs and expenses, including, without limitation, fees and disbursements of counsel, financial advisors and accountants, incurred in connection with this Agreement and the Transactions shall be paid by the Party incurring such costs and expenses.

(b) Notices. All notices, requests, consents, claims, demands, waivers and other communications hereunder shall be in writing and shall be deemed to have been given (a) when delivered by hand (with written confirmation of receipt); (b) when received by the addressee if sent by a nationally recognized overnight courier (receipt requested); or (c) on the date sent by facsimile or e-mail of a PDF document (with confirmation of transmission) if sent during normal business hours of the recipient, and on the next Business Day if sent after normal business hours of the recipient. Such communications must be sent to the respective parties at the following addresses (or at such other address for a Party as shall be specified in a notice given in accordance with this Section 8(b):

Village of Union City:

Village of Union City
 101 S. Broadway St
 Union City, MI 49094
 Facsimile: (517)741-3050
 Email: cmathis@visitunioncity.com
 Attn: Village Manager

City of Coldwater:

City of Coldwater
 1 Grand Street
 Coldwater, MI 49036
 Facsimile: (517)279-0805
 Email: _____
 Attn: _____

City of Marshall:

City of Marshall
 323 W. Michigan Ave.
 Marshall, MI 49068
 Facsimile: (269)781-5183
 Email: ttarkiewicz@cityofmarshall.com
 Attn: City Manager

Michigan South Central Power
Agency:

Michigan South Central Power Agency
168 S. Division St.
Coldwater, MI 49036
Facsimile: (614)540-1113
Email: psullivan@amppartners.org
Attn: General Manager

(c) Interpretation. For purposes of this Agreement, (i) the words “include,” “includes” and “including” shall be deemed to be followed by the words “without limitation,” (ii) the word “or” is not exclusive, (iii) the word “shall” denotes a directive and obligation, and not an option, and (iv) the words “herein”, “hereof”, “hereby”, “hereto” and “hereunder” refer to this Agreement as a whole. Unless the context otherwise requires, references herein: (i) to Articles, Sections, Exhibits and Schedules mean the Articles and Sections of, and the Exhibits, and Schedules attached to, this Agreement; (ii) to an agreement, instrument or other document means such agreement, instrument or other document as amended, supplemented and modified from time to time to the extent permitted by the provisions thereof and by this Agreement; (iii) to “date of this Agreement” or “date hereof” refers to the date set forth in the initial caption of this Agreement; (iv) to the singular shall include the plural where applicable, and vice versa, and references to a gender shall include any gender; (v) to “\$” or otherwise to dollar amounts refer to the lawful currency of the United States; and (vi) to a statute means such statute as amended from time to time and includes any successor legislation thereto and any regulations promulgated thereunder. The Schedules, and Exhibits referred to herein shall be construed with and as an integral part of this Agreement to the same extent as if they were set forth verbatim herein. This Agreement shall be construed without regard to any presumption or rule requiring construction or interpretation against the party drafting an instrument or causing any instrument to be drafted. If any date on which a party hereto is required to make a payment or a delivery pursuant to the terms hereof is not a Business Day, then such party hereto shall make such payment or delivery on the next succeeding Business Day.

(d) Headings. Headings of Sections are inserted for convenience of reference only and shall not be deemed a part of or to affect the meaning or interpretation of this Agreement.

(e) Severability. If any term or provision of this Agreement is invalid, illegal or unenforceable in any jurisdiction, such invalidity, illegality or unenforceability shall not affect any other term or provision of this Agreement or invalidate or render unenforceable such term or provision in any other jurisdiction. Upon such determination that any term or other provision is invalid, illegal or unenforceable, the parties hereto shall negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby may be consummated as originally contemplated to the greatest extent possible.

(f) Entire Agreement. This Agreement constitutes the sole and entire agreement of the parties to this Agreement with respect to the subject matter contained herein and therein, and supersede all prior and contemporaneous understandings and agreements, both written and oral, with respect to such subject matter. In the event of any inconsistency between the statements in the body of this Agreement and those in any Exhibits or Schedules, the statements in the body of this Agreement will control.

(g) No Third-party Beneficiaries. This Agreement is for the sole benefit of the parties hereto and their respective successors and permitted assigns and nothing herein, express or implied, is intended to or shall confer upon any other person or entity any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of this Agreement.

(h) Amendment and Modification; Waiver. This Agreement may only be amended, modified or supplemented by an agreement in writing signed by each party hereto. No waiver by any party hereto of any of the provisions hereof shall be effective unless explicitly set forth in writing and signed by the party hereto so waiving. No waiver by any party hereto shall operate or be construed as a waiver in respect of any failure, breach or default not expressly identified by such written waiver, whether of a similar or different character, and whether occurring before or after that waiver. No failure to exercise, or delay in exercising, any right, remedy, power or privilege arising from this Agreement shall operate or be construed as a waiver thereof; nor shall any single or partial exercise of any right, remedy, power or privilege hereunder preclude any other or further exercise thereof or the exercise of any other right, remedy, power or privilege.

(i) Successors and Assigns. This Agreement shall be binding upon and shall inure to the benefit of the Parties hereto and their respective successors and permitted assigns. No party hereto may assign its rights or obligations hereunder without the prior written consent of each of the other parties hereto. No assignment shall relieve the assigning party of any of its obligations hereunder.

(j) Governing Law. This Agreement shall be governed by and construed in accordance with the internal laws of the State of Michigan without giving effect to any choice or conflict of law provision or rule (whether of the State of Michigan or any other jurisdiction).

(k) Independence of Covenants and Representations. All covenants hereunder shall be given independent effect so that if a certain action or condition constitutes a default under a certain covenant, the fact that such action or condition is permitted by another covenant shall not affect the occurrence of such default, unless expressly permitted under an exception to such initial covenant. In addition, all representations and warranties hereunder shall be given independent effect so that if a particular representation or warranty proves to be incorrect or is breached, the fact that another representation or warranty concerning the same or similar subject matter is correct or is not breached will not affect the incorrectness of a breach of a representation and warranty hereunder.

(l) Counterparts; Delivery by Electronic Transmission. This Agreement may be executed in counterparts (each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement) and shall become effective when one or more counterparts have been signed by each of the parties hereto and delivered (by electronic communication, facsimile or otherwise) to the other parties hereto. Each party hereto agrees that the electronic signatures of the parties included in this Agreement are intended to authenticate this writing and to have the same force and effect as manual signatures. Accordingly, this Agreement and any signed agreement entered into in connection herewith or contemplated hereby, and any amendments hereto or thereto, to the extent signed and delivered by means of a facsimile machine or by .pdf, .tif, .gif, .jpeg or similar attachment to electronic mail, whether digital or encrypted, shall be treated in all manner and respects as an original contract and shall be considered to have the same binding legal effects as if it were the original signed version thereof delivered in person. At the reasonable request of any party hereto or other party to any such contract, each other party hereto or party thereto shall re-execute original forms thereof and deliver them to all other parties hereto. No party hereto or party to any such contract shall raise the use of a facsimile machine or by .pdf, .tif, .gif, .jpeg or similar attachment to electronic mail to deliver a signature or the fact that any signature or contract was transmitted or communicated through the use of facsimile machine or by .pdf, .tif, .gif, .jpeg or similar attachment to electronic mail, whether digital or encrypted, as a defense to the formation of a contract and each such party hereto forever waives any such defense.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the date first written above by their respective officers thereunto duly authorized.

VILLAGE OF UNION CITY

By: _____
Name: _____
Its: President

By: _____
Name: _____
Its: Village Clerk

CITY OF COLDWATER

By: _____
Name: _____
Its: Mayor

By: _____
Name: _____
Its: City Clerk

CITY OF MARSHALL

By: _____
Name: _____
Its: Mayor

By: _____
Name: _____
Its: City Clerk

MICHIGAN SOUTH CENTRAL POWER AGENCY

By: _____
Name: _____
Its: Chairperson

By: _____
Name: _____
Its: Secretary

Solely with respect to the consent of Members in Section 7 and to acknowledge the allocation changes in Sections 2 - 6:

VILLAGE OF CLINTON

By: _____
Name: _____
Its: President

By: _____
Name: _____
Its: Village Clerk

Solely with respect to the consent of Members in Section 7 and to acknowledge the allocation changes in Sections 2 - 6:

CITY OF HILLSDALE

By: _____
Name: _____
Its: Mayor

By: _____
Name: _____
Its: City Clerk

Wastewater Department Operations Report

2021/2022	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	YTD	%	2020/2021
Treated (MG)	40.562	38.198	35.149	46.688									40.14925	AVG	35.753
Max. Treated (MGD)	1.569	1.556	1.869	2.264									2.264	MAX	1.881
Avg. Treated (MGD)	1.308	1.232	1.172	1.506									1.3045	AVG	1.176
Precipitation (in)	5.02	3.89	6.21	7.36									22.48	TOTAL	35.06
Raw SS (mg/l)	150	159	176	134									155	AVG	181
Final SS (mg/l)	1.2	1.0	0.9	1.1									1.1	AVG	2.1
Permit SS (mg/l)	20	20	20	20	20	30	30	30	30	30	20	20			
% Removal	99	99	99	99									99	AVG	99
Raw CBOD (mg/l)	105	104	112	99									105	AVG	152
Final CBOD (mg/l)	0.94	1.12	1.11	1.23									1.1	AVG	1.9
Permit CBOD (mg/l)	4	4	4	4	4	15	15	15	15	18	4	4			
% Removal	99	99	99	99									99	AVG	99
Raw Phosphourus (mg/l)	2.8	3.1	3.7	2.6									3.1	AVG	4.1
Final Phosphourus (mg/l)	0.7	0.7	0.8	0.6									0.70	AVG	0.63
Permit Phosphourus (mg/l)	1	1	1	1	1	1	1	1	1	1	1	1			
% Removal	75	77	78	77									77	AVG	84
Raw Ammonia (mg/l)	13.6	15.9	19.2	12.5									15.3	AVG	18.4
Final Ammonia (mg/l)	0.03	0.01	0.01	0.01									0.0	AVG	0.10
Permit Ammonia (mg/l)	0.5	0.5	0.5	0.5	0.5	8.6	8.6	8.6	8.6	9.1	0.5	0.5			
% Removal	100	100	100	100									100	AVG	100
Final Mercury (ng/l)	1.20	0.55	0.90	NA*									0.88	12 Mo. AVG	0.78
Permit Mercury (ng/l)	2	2	2	2	2	2	2	2	2	2	2	2			
Sludge - Digest (MG)	0.077	0.077	0.070	0.084									0.308	AVG	0.462
Sludge - Land (MG)	0	0	0	0									0	TOTAL	0.578
Sludge - Dry Tons	0	0	0	0									0	TOTAL	80.4
Ferrous Chlor. (gal/Mgal)	32.6	39.3	58.6	25.7									39.1	AVG	44.4
CL2 (lb/Mgal)	18.1	19.37	19.49	18.21									18.8	AVG	16.9
SO2 (lb/Mgal)	5.6	6.1	5.8	4.5									5.5	AVG	5.8

Hillsdale BPU Water Distribution / Wastewater Collections / WWTP

Jeff Gier, Interim Superintendent

Water License: D2, S2 #18785

Wastewater License: B,C,D, L2,L1 #18335

Incident Report

October, 2021

Significant Events Wastewater Collections

Complete system cleaning by Taplin.

Start replacement of main building MCC and LP panel.

Power outage at Hallett lift station on 10-25, manned while offline.

Significant Events Wastewater Treatment

No violations

Taplin cleaning 30" line, causing lots of grit to inlet building.

Power outage on 10-25, generators worked flawlessly.

Significant Events Water Distribution

Flush 380 fire hydrants in 3 days.

Replace 3 lead services downtown on Howell St.

Replace 2 bad shut off valves on Howell/Lynwood. Found 7 bad so far in proposed paving area.

Industrial tower complete, awaiting final bill.

Lead Service Lines Replaced

3

After Hour Call Outs:

5

AMI Meter Exchange

7 meters exchanged.



October 2021

Safety Dept. Highlights

Developed a safe driving and a distracted driving training program to help reduce insurance cost and help keep all employees safe. Researched and provided an updated vehicle/equipment list to our insurance carrier so that our insurance could be quoted out to help reduce cost.

Held safety meeting for BPU and DPS personnel in regards to "Tailboard Meetings" these meetings are critical in helping keep everyone safe.

Updated Emergency Response plans for both Electrical, Water & Waste Water depts. These plans are to be reviewed yearly or as changes are needed.

Put together the cities policy on how to handle employees arriving at work with Covid-19 symptoms and the process in getting them back to work or into quarantine if necessary. This information was gathered using CDC and Health Dept. information. Having this policy will insure all suspected cases are handled correctly and efficiently, while meeting MIOSHA General Duty requirements.

Updated and Corrected the "City of Hillsdale Wastewater and Drinking Water Laboratories Chemical Hygiene Plan"

Putting together a safety training for OSHA/MIOSHA focus four hazards.

Marketing/Communications Report

November 8, 2021

Board Meeting

Recent Notable Activities

- Continuing a campaign to get customers to update their phone numbers via:
 - Social media posts
 - WCSR appearance
 - Winter 2021 newsletter
 - Briefed CSR reps on making sure we're confirming phone numbers during transactions
- Worked with DPS to promote information on leaf collection
 - Assisted with editing/revising DPS leaf collection document that gets sent out with utility bills
 - Created "Leaf Collection Schedule & Guidelines" page on city website
 - WCSR appearance w/ Jake Hammel to reinforce information
 - Gathering photo and video assets of new process so we can create an educational video for next year's collection
- Research and planning for BPU Christmas promotion
 - Obtained information on WCSR "Deck the Halls" promo package
 - Determined best course of action was to bring back our own Best Decorated Home & Business Contest and have been working on contest rules, flyers, graphics, etc...
- Set up and attended second meeting with Bob Granger, CBPU's Energy Waste Reduction Manager, to continue research into how they run their own energy efficiency program
 - Finished EWR options briefing for Electric Committee
- Completed various TIFA/Planning & Zoning website changes requested by Alan Beeker
- Assisted Michelle Loren with adding new "Donor Opportunities" section and relevant information to Parks & Rec website, as requested.
- Designed new promotional flyer/poster for city's 3rd Annual NYE Bash
- Sent out press releases, added website and social media notices about BPU water shut-off valve replacements and associated TCOs.
- Continuing to maintain an active social media presence for city/BPU, creating and sharing content on the following community events:
 - Trunk-or-Treating at Hillsdale County Fairgrounds
 - Various City Council proclamations
 - New TIFA Christmas tradition
 - Sandy Beach closure for Rotary improvements
 - Transfer Station reopening
 - End of dock rental season
 - Citywide trick-or-treating hours/Fire Department Halloween Party
- Continuing to work with Kelly LoPresto, Econ. Dev. director, on revisions to "Historic Hillsdale" welcome brochure, compiling feedback for Stockhouse on first round of revisions made.



MICHIGAN SOUTH CENTRAL POWER AGENCY

168 DIVISION STREET

COLDWATER, MICHIGAN 49036

PHONE (517) 279-6961

FAX (517) 279-6969

INVOICE MONTH: September, 2021

INVOICE DATE: 10/14/2021

DUE DATE: 10/29/2021

TOTAL AMOUNT DUE: \$712,013.58

HILLSDALE BOARD OF PUBLIC UTILITIES

45 MONROE STREET

HILLSDALE, MICHIGAN 49242

ATTN: DAVID MACKIE

MSCPA Member Power Billing - September, 2021

Total Power Charges: \$607,410.49

Transmission / Capacity / Ancillary Services: \$87,426.83

Total Other Charges: \$9,321.57

Total Miscellaneous Charges: \$7,854.69

TOTAL CHARGES \$712,013.58

NOTE: PLEASE SEE ENCLOSED BACKUP FOR ADDITIONAL DETAIL

* Any amounts due and not paid by the due date shall bear interest at the rate of 1% per month until paid

Notes:

**DETAIL INFORMATION OF POWER CHARGES September , 2021
Hillsdale**

FOR THE MONTH OF:	September, 2021	Total Metered Load kWh:	10,819,410
TIME OF AGENCY PEAK:	09/14/2021 @ H.E. 14:00	AGENCY PEAK kW:	121,917
		MEMBER SHARE OF AGENCY PEAK kW:	23,087
TIME OF MUNICIPAL PEAK:	09/14/2021 @ H.E. 13:00	MUNICIPAL PEAK kW:	23,812
TIME OF TRANSMISSION PEAK (CONS)	9/14/21 HE 15	AGENCY TRANSMISSION PEAK kW (INC. LOSSES):	118,994
		MEMBER SHARE OF TRANS PEAK kW (INC. LOSSES):	23,623

Hillsdale Resources

Menominee Hydro			
Energy Charge:	\$0.049000	/ kWh *	459,412 kWh = \$22,511.17
Demand Charge			\$515.83
Subtotal	\$0.050123	/ kWh *	459,412 kWh = \$23,027.00
Oconto Falls Hydro			
Energy Charge:	\$0.047000	/ kWh *	193,554 kWh = \$9,097.03
Demand Charge			\$213.44
Subtotal	\$0.048103	/ kWh *	193,554 kWh = \$9,310.47
AMP Hydro CSW			
Demand Charge:	\$3.958814	/ kW *	3,398 kW = \$13,452.05
Energy Charge:	\$0.001965	/ kWh *	1,856,185 kWh = \$3,646.93
Capacity Credit:	\$1.012369	/ kW *	-3,398 kW = -\$3,440.03
REC Credit (Estimate)			-\$16,241.62
Debt Service			\$188,683.64
Rate Levelization			\$32,427.26
Subtotal	\$0.117730	/ kWh *	1,856,185 kWh = \$218,528.24
AMP Fremont Energy Center			
Demand Charge:	\$3.862596	/ kW *	9,519 kW = \$36,766.33
Energy Charge:	\$0.035749	/ kWh *	3,301,842 kWh = \$118,038.37
Capacity Credit:	\$5.131996	/ kW *	-9,519 kW = -\$48,849.19
Debt Service			\$47,220.40
Subtotal	\$0.046391	/ kWh *	3,301,842 kWh = \$153,175.91
Settlement of AFEC at Fremont Bus LMP (PJM)			
Energy Charge:	\$0.053921	/ kWh *	-3,301,842 kWh = -\$178,039.24
Subtotal	\$0.053921	/ kWh *	-3,301,842 kWh = -\$178,039.24
Meldahl Hydro			
Demand Charge:	\$3.844925	/ kW *	731 kW = \$2,810.64
Energy Charge:	\$0.002155	/ kWh *	340,863 kWh = \$734.56
Capacity Credit:	\$4.244884	/ kW *	-731 kW = -\$3,103.01
REC Credit (Estimate)			-\$2,982.55
Debt Service			\$25,363.78
Rate Levelization			\$3,353.64
Subtotal	\$0.076796	/ kWh *	340,863 kWh = \$26,177.05
Settlement of Meldahl Hydro at Meldahl Bus LMP (PJM)			
Energy Charge:	\$0.042301	/ kWh *	-340,863 kWh = -\$14,418.72
Subtotal	\$0.042301	/ kWh *	-340,863 kWh = -\$14,418.72
Greenup Hydro			
Demand Charge:	\$6.830564	/ kW *	479 kW = \$3,271.84
Energy Charge:	\$0.002970	/ kWh *	160,996 kWh = \$478.09
Capacity Credit:	\$3.464447	/ kW *	-479 kW = -\$1,659.47
REC Credit (Estimate)			-\$1,408.71
Debt Service			\$9,881.31
Rate Levelization			\$319.62
Subtotal	\$0.067596	/ kWh *	160,996 kWh = \$10,882.68
Settlement of Greenup Hydro at Greenup Bus LMP (PJM)			
Energy Charge:	\$0.042493	/ kWh *	-160,996 kWh = -\$6,841.26
Subtotal	\$0.042493	/ kWh *	-160,996 kWh = -\$6,841.26
Contract 2 (EDF 2018-2025 5x16 AD Hub)			
Energy Charge:	\$0.036100	/ kWh *	593,235 kWh = \$21,415.78
Subtotal	\$0.036100	/ kWh *	593,235 kWh = \$21,415.78
Contract 3 (CITI 2018-2030 5x16 AD Hub)			
Energy Charge:	\$0.041700	/ kWh *	296,617 kWh = \$12,368.95
Subtotal	\$0.041700	/ kWh *	296,617 kWh = \$12,368.95
Settlement of Contract Power at AD Hub (PJM)			
Energy Charge:	\$0.053206	/ kWh *	-889,852 kWh = -\$47,345.07
Subtotal	\$0.053206	/ kWh *	-889,852 kWh = -\$47,345.07
Plus Actual Municipal Generation			
Energy Charge:			282,382 kWh \$0.00
Subtotal	\$0.000000	/ kWh *	282,382 kWh = \$0.00
Generation Deviation from Schedule (RT Sale)			
Energy Charge:	\$0.087918	/ kWh *	-282,382 kWh = -\$24,826.49
Subtotal	\$0.087918	/ kWh *	-282,382 kWh = -\$24,826.49
MISO Market Power			
On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.054807	/ kWh *	4,692,408 kWh = \$257,177.75
Off Peak Energy Charge:	\$0.040581	/ kWh *	3,617,852 kWh = \$146,817.44

DETAIL INFORMATION OF POWER CHARGES September , 2021
Hillsdale

<i>Subtotal</i>	\$0.048614	/ kWh *	8,310,260 kWh =	\$403,995.19
Total Demand Charges:				-\$750.84
Total Energy Charges:				\$608,161.33
Total Power Charges:			10,819,410.19 kWh	\$607,410.49
TRANSMISSION / CAPACITY / ANCILLARY SERVICES:				
MISO Transmission Charges (breakdown attached)				\$49,226.71
MISO Capacity Charges (breakdown attached)				\$38,383.65
MISO ancillary services, ARRs and FTRs (breakdown attached)				-\$183.53
TRANSMISSION / CAPACITY / ANCILLARY SERVICES TOTAL:				\$87,426.83
OTHER CHARGES:				
AMP Dispatch Center Charges:	\$0.000289	/ kWh *	10,819,410 kWh =	\$3,121.41
AMP Service Fee Part A, Based on Annual Municipal Sales	\$0.000229	/ kWh *	125,832,742 kWh 1/12 =	\$2,401.31
AMP Service Fee Part B, Energy Purchases	\$0.000580	/ kWh *	6,549,738 kWh =	\$3,798.85
TOTAL OTHER CHARGES:				\$9,321.57
MISCELLANEOUS CHARGES:				
MSCPA Administration Charges (breakdown attached)				\$7,854.69
TOTAL MISCELLANEOUS CHARGES:				\$7,854.69
GRAND TOTAL POWER INVOICE:	\$0.06581	/kWh *	10,819,410 kWh =	\$712,013.58

MISO Market Summary September-21

<u>MISO Energy and Administration Expenses</u>	Current Month \$	Year To-Date \$
MISO S7 & S14 Energy Expenses	\$2,161,737.15	\$6,960,573.04
MISO S55 & S105 Energy Expenses (meter recon)	\$0.00	\$43,482.39
Spare adjustment line	\$0.00	\$0.00
FTR's allocated based on substation load	-\$51,213.32	-\$100,204.55
PJM Charges (unaccounted and bookouts)	-\$727.85	-\$7,779.56
Spare adjustment line	\$0.00	\$0.00
Net MISO Administrative Expenses	\$50,209.01	\$136,073.36
Subtotal	\$2,160,004.99	\$7,032,144.68

MSCPA PY20-21 Capacity Breakdown

MISO Capacity Charge-Base Auction	(1,355.40)	(4,021.02)
MISO Capacity UP Hydro Zone 2	-	-
MISO Capacity Prarie State Zone 4	-	-
MISO Capacity AMP Hydro 1 Zone 6	-	-
AMP Bilateral Capacity Charge	251,975.00	755,925.00
AMP Solar Capacity Charge	120.00	360.00
AMP Prairie State Capacity Zone 4	-	-
Wolverine Capacity purchase (Union City only)	8,000.00	24,000.00
Spare Capacity Charge Line	-	-
Subtotal	258,739.60	776,263.98

Costs Allocated to Members

	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
MISO Substation Load %	3.46%	56.86%	18.27%	19.10%	2.31%	100.00%
MISO Base and AMP Bi-Lateral Capacity %	5.58%	58.47%	15.32%	18.56%	2.07%	100.00%
MISO/AMP Capacity UP Hydro Zone 2 % (P1)	6.50%	40.00%	25.50%	24.00%	4.00%	100.00%
MISO/AMP Capacity Prairie State Zone 4 %	0.00%	83.34%	0.00%	16.66%	0.00%	100.00%
MISO/AMP Capacity AMP Hydro 1 Zone 6 %	5.23%	48.51%	25.37%	20.89%	0.00%	100.00%
AMP Capacity Solar Phase II %	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%
Wolverine Capacity purchase (Union City)	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%

Capacity Charges by Member

	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
MISO Base Capacity	\$ (75.63)	\$ (792.54)	\$ (207.59)	\$ (251.62)	\$ (28.03)	\$ (1,355.41)
MISO UP Hydro Capacity Zone 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MISO Prairie State Capacity Zone 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MISO AMP Hydro 1 Capacity Zone 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
AMP Bilateral Capacity Zone 7	\$ 14,059.32	\$ 147,337.35	\$ 38,591.24	\$ 46,776.67	\$ 5,210.42	\$ 251,975.00
AMP Solar Phase II Capacity Zone 7	\$ -	\$ 120.00	\$ -	\$ -	\$ -	\$ 120.00
AMP Prairie State Capacity Zone 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wolverine Capacity purchase (Union City only)	\$ -	\$ -	\$ -	\$ -	\$ 8,000.00	\$ 8,000.00
Subtotal	\$ 13,983.69	\$ 146,664.81	\$ 38,383.65	\$ 46,525.05	\$ 13,182.39	\$ 258,739.59

MISO ancillary services, ARRs and FTRs:

Other MISO Expenses (MISO Substation Load %)	\$ (34.76)	\$ (571.06)	\$ (183.53)	\$ (191.79)	\$ (23.16)	\$ (1,004.30)
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**Transmission Summary
September-21**

	<u>Current Month \$</u>	<u>Year To-Date \$</u>	<u>Allocation Basis</u>
Transmission Expenses			
Clinton Wholesale Distribution Service	\$ 17,734.28	\$ 52,023.60	Charged to Clinton
MISO Transmission Charges	206,187.95	651,714.97	Calculated CONS Load %
MISO Transmission 121.5 MW less Actual Entitlement Used	37,037.75	98,682.16	121.5MW less Used %
MISO Transmission Excess over 121.5 MW	-	96,213.81	Excess Load %
MISO Transmission Adjustments	2,201.33	17,553.31	Calculated CONS Load %
MISO Schedule 26 A	92,783.21	321,450.41	MISO Substation Load %
MISO Schedule 26 A Adjustments	-	-	MISO Substation Load %
Deferred GFA MISO Payback Allocation	-	-	P1 plus Need %
ARR MISO Allocation	(32,640.18)	(191,791.84)	Total Energy %
EHV Maintenance	15,736.08	41,841.79	Project 1%
NERC Expenses	-	-	MISO CONS Load%
Total Transmission Expenses	<u>\$ 339,040.42</u>	<u>\$ 1,087,688.21</u>	
Total Transmission Costs	<u>\$ 339,040.42</u>	<u>\$ 1,087,688.21</u>	

Costs Allocated to Members

	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
MISO Calculated CONS Load %	0.00%	48.18%	23.42%	25.09%	3.32%	100.00%
MISO 121.5MW less Actual Entitlement Used %	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%
MISO Excess Load % (above 121.5MW)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MISO Substation Load %	3.46%	56.86%	18.27%	19.10%	2.31%	100.00%
MISO Deferred GFA %	4.70%	53.96%	21.72%	17.24%	2.38%	100.00%
ARR Total Energy %	3.46%	56.86%	18.27%	19.10%	2.31%	100.00%
MISO CONS Load %	0.00%	61.57%	11.67%	23.64%	3.13%	100.00%
Project 1 %	6.50%	40.00%	25.50%	24.00%	4.00%	100.00%

Transmission Expenses Allocated by Member

	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
Clinton Wholesale Distribution Service	\$ 17,734.28	\$ -	\$ -	\$ -	\$ -	\$ 17,734.28
MISO Transmission based on Calculated CONS Load %	\$ -	\$ 99,339.67	\$ 48,286.35	\$ 51,722.36	\$ 6,839.57	\$ 206,187.95
MISO 121.5 MW less Actual Entitlement Used %	\$ -	\$ 37,037.75	\$ -	\$ -	\$ -	\$ 37,037.75
MISO above 121.5 MW Transmission on MISO Excess Load %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MISO 121.5 MW excess allocation adjustment (internal)	\$ (16,022.28)	\$ 41,846.74	\$ (14,930.48)	\$ (7,822.66)	\$ (3,071.31)	\$ -
MISO Transmission Adjustments on Calculated CONS Load%	\$ -	\$ 1,060.59	\$ 515.52	\$ 552.20	\$ 73.02	\$ 2,201.33
MISO Schedule 26 A on MISO Substation Load %	\$ 3,211.67	\$ 52,757.24	\$ 16,955.89	\$ 17,718.95	\$ 2,139.46	\$ 92,783.21
MISO Schedule 26 A Adjustment on MISO Substation Load%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MISO Deferred GFA on Deferred GFA %	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MISO ARR Allocation based on MISO Total Energy %	\$ (1,129.83)	\$ (18,559.45)	\$ (5,964.91)	\$ (6,233.35)	\$ (752.64)	\$ (32,640.18)
NERC based on MISO CONS Load%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Expenses based on Project 1 %	\$ 1,022.84	\$ 6,294.43	\$ 4,012.70	\$ 3,776.66	\$ 629.44	\$ 15,736.07
Total Transmission Expenses	<u>\$ 4,816.68</u>	<u>\$ 219,776.97</u>	<u>\$ 48,875.07</u>	<u>\$ 59,714.16</u>	<u>\$ 5,857.54</u>	<u>\$ 339,040.41</u>
Misc transmission adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Direct Charges (1/12th of annual VAR charges)	\$ -	\$ 2,154.79	\$ 351.65	\$ 1,118.80	\$ 12.67	\$ 3,637.91
Total Transmission Costs	<u>\$ 4,816.68</u>	<u>\$ 221,931.76</u>	<u>\$ 49,226.71</u>	<u>\$ 60,832.96</u>	<u>\$ 5,870.21</u>	<u>\$ 342,678.32</u>

**Administration
September-21**

<u>Administration Expenses</u>	<u>Current Month</u> \$	<u>Year To-Date</u> \$	<u>Annual Budget</u> \$	<u>% YTD to Budget</u>	<u>Allocation Basis</u>
Outside Consultants (65% of AMP Fee)	\$11,934.00	\$35,802.00	\$143,208.00	25.00%	Prior Year Energy Avg
Outside Consultants (35% of AMP Fee)	\$6,426.00	\$19,278.00	\$77,112.00	25.00%	Even Split
Outside Consultants (non-AMP)	\$408.00	\$1,071.00	\$4,800.00	22.31%	Even Split
Regulatory Commission Expense (NERC)	\$0.00	\$0.00	\$30,433.00	0.00%	Prior Year Energy Avg
Memberships and Dues	\$0.00	\$0.00	\$1,250.00	0.00%	Even Split
Investment Management Fees	\$677.91	\$1,922.65	\$12,600.00	15.26%	Even Split
Audit & Financial Fees	\$0.00	\$4,497.25	\$18,500.00	24.31%	Even Split
Supplies and Maintenance Expense	\$753.45	\$2,585.84	\$47,806.00	5.41%	Prior Year Energy Avg
Building Lease	\$900.00	\$2,700.00	\$10,800.00	25.00%	Even Split
Insurance	\$4,090.63	\$12,271.88	\$49,087.50	25.00%	Prior Year Energy Avg
MIRECS Compliance Expense (direct bill)	\$11,326.65	\$33,726.65	\$6,500.00	518.87%	Direct Bill
Defined Benefit Pension	\$8,333.33	\$24,999.99	\$100,000.00	25.00%	Project 1
Member Cyber Insurance (direct bill)	\$0.00	\$0.00	\$35,000.00	0.00%	Direct Bill
Legal/Other (transmission)	\$4,000.00	\$2,000.00	\$40,000.00	5.00%	Transmission Entitlement
Legal/Other (non-transmission)	\$206.25	\$1,023.75	\$40,000.00	2.56%	Prior Year Energy Avg
Legal/Other (direct bill)	\$1,083.57	\$6,095.57	\$0.00	0.00%	Direct Bill
MISC Expenses (MPPA MAERS reporting)	\$0.00	\$0.00	\$0.00	0.00%	Various/Direct
Other Fringe Benefits	\$0.00	\$0.00	\$0.00	0.00%	Prior Year Energy Avg
Total Administrative Costs	\$50,139.79	\$147,974.58	\$617,096.50	23.98%	

<u>Costs Allocated to Members</u>	<u>Clinton</u>	<u>Coldwater</u>	<u>Hillsdale</u>	<u>Marshall</u>	<u>Union City</u>	<u>Total</u>
Prior Year Energy Average	3.26%	60.78%	17.56%	16.07%	2.34%	100.00%
Project 1	6.50%	40.00%	25.50%	24.00%	4.00%	100.00%
Even Split	20.00%	20.00%	20.00%	20.00%	20.00%	100.00%

<u>Admin Expenses Allocated by Member</u>	<u>Clinton</u>	<u>Coldwater</u>	<u>Hillsdale</u>	<u>Marshall</u>	<u>Union City</u>	<u>Total</u>
Outside Consultants (65% of AMP Fee)	\$388.66	\$7,253.31	\$2,095.24	\$1,917.39	\$279.40	\$11,934.00
Outside Consultants (35% of AMP Fee)	\$1,285.20	\$1,285.20	\$1,285.20	\$1,285.20	\$1,285.20	\$6,426.00
Outside Consultants (non-AMP)	\$81.60	\$81.60	\$81.60	\$81.60	\$81.60	\$408.00
Regulatory Commission Expense (NERC)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Memberships and Dues	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Investment Management Fees	\$135.58	\$135.58	\$135.58	\$135.58	\$135.58	\$677.91
Audit & Financial Fees	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Supplies and Maintenance Expense	\$24.54	\$457.94	\$132.28	\$121.05	\$17.64	\$753.45
Building Lease	\$29.31	\$547.01	\$158.01	\$144.60	\$21.07	\$900.00
Insurance	\$133.22	\$2,486.22	\$718.19	\$657.22	\$95.77	\$4,090.63
MIRECS Compliance Expense (direct bill)	\$0.00	\$11,200.00	\$67.38	\$59.27	\$0.00	\$11,326.65
Defined Benefit Pension	\$541.67	\$3,333.33	\$2,125.00	\$2,000.00	\$333.33	\$8,333.33
Member Cyber Insurance (direct bill)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Legal/Other (transmission)	\$260.00	\$1,600.00	\$1,020.00	\$960.00	\$160.00	\$4,000.00
Legal/Other (non-transmission)	\$6.72	\$125.36	\$36.21	\$33.14	\$4.83	\$206.25
Legal/Other (direct bill)	\$990.00	\$23.39	\$0.00	\$23.39	\$46.79	\$1,083.57
MISC Expenses (MPPA MAERS reporting)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Fringe Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Administrative Costs	\$3,876.50	\$28,528.93	\$7,854.69	\$7,418.45	\$2,461.21	\$50,139.79

Actual Administrative Percentage	7.7%	56.9%	15.7%	14.8%	4.9%	100.0%
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MEMBERS PEAK DEMAND
(THIS MONTH VS THIS MONTH LAST YEAR)

Year	Month	<u>CLINTON</u>		<u>COLDWATER</u>		<u>HILLSDALE</u>		<u>MARSHALL</u>		<u>UNION CITY</u>		<u>MEMBER TOTAL</u>		<u>MEMBER COINCIDENT</u>		
		Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	Demand (KW)	Chg. (%)	
1	<u>2020</u>	JULY	5,831	1.8	71,460	-2.8	27,701	0.3	24,532	10.2	4,685	14.6	134,208	0.8	132,832	0.9
2		AUG.	5,936	15.9	76,395	7.1	27,961	10.9	24,875	15.6	4,312	19.4	139,478	10.0	138,867	10.4
3		SEPT.	4,554	-5.2	70,551	-22.6	23,152	-11.3	20,755	-5.9	2,636	-23.1	121,648	-17.6	121,541	-5.2
4		OCT.	3,367	-22.7	74,811	-22.6	17,418	-24.6	16,356	-16.0	2,452	-5.1	114,404	-21.8	112,765	-15.9
5		NOV.	3,506	-0.5	76,683	-21.4	17,503	-7.5	16,718	3.8	2,610	-4.0	117,019	-15.7	114,933	-16.8
6		DEC.	3,681	-3.2	83,428	-16.4	18,445	-4.2	16,771	-0.8	2,757	-4.4	125,082	-12.3	123,569	-12.7
7	<u>2021</u>	JAN.	3,871	5.2	85,413	-11.9	18,907	0.2	17,147	1.3	2,724	0.8	128,063	-8.0	126,782	-7.5
8		FEB.	3,930	5.4	85,116	-12.9	19,489	4.7	17,979	11.2	2,835	13.1	129,349	-6.8	127,876	-7.0
9		MAR.	3,559	1.9	82,270	-14.3	18,466	5.1	17,070	8.3	2,392	4.3	123,757	-8.4	121,167	-9.6
10		APR.	3,822	13.0	61,143	-19.0	18,098	31.7	18,284	48.5	2,199	1.5	103,546	-3.3	102,260	-3.2
11		MAY	4,874	3.5	67,603	5.5	22,816	6.5	23,566	25.1	3,003	6.0	121,861	8.9	121,449	8.9
12		JUNE	5,623	5.3	70,906	0.2	25,845	3.6	24,040	5.0	3,444	-6.6	129,858	1.7	127,332	1.1
		YTD PEAK	5,936	3.7	85,413	-14.4	27,961	1.3	24,875	8.7	4,685	14.6	139,478	-5.5	138,867	-1.9
1	<u>2021</u>	JULY	5,641	-3.3	73,166	2.4	26,485	-4.4	26,714	8.9	3,755	-19.8	135,760	1.2	133,671	0.6
2		AUG.	5,986	0.8	75,022	-1.8	28,163	0.7	26,842	7.9	3,359	-22.1	139,372	-0.1	137,769	-0.8
3		SEPT.	4,721	3.7	68,449	-3.0	23,812	2.9	24,880	19.9	3,236	22.8	125,097	2.8	121,917	0.3
4		OCT.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
5		NOV.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
6		DEC.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
7	<u>2022</u>	JAN.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
8		FEB.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
9		MAR.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
10		APR.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
11		MAY	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
12		JUNE	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
		YTD PEAK	5,986	0.8	75,022	-12.2	28,163	0.7	26,842	7.9	3,755	-19.8	139,372	-0.1	137,769	-0.8

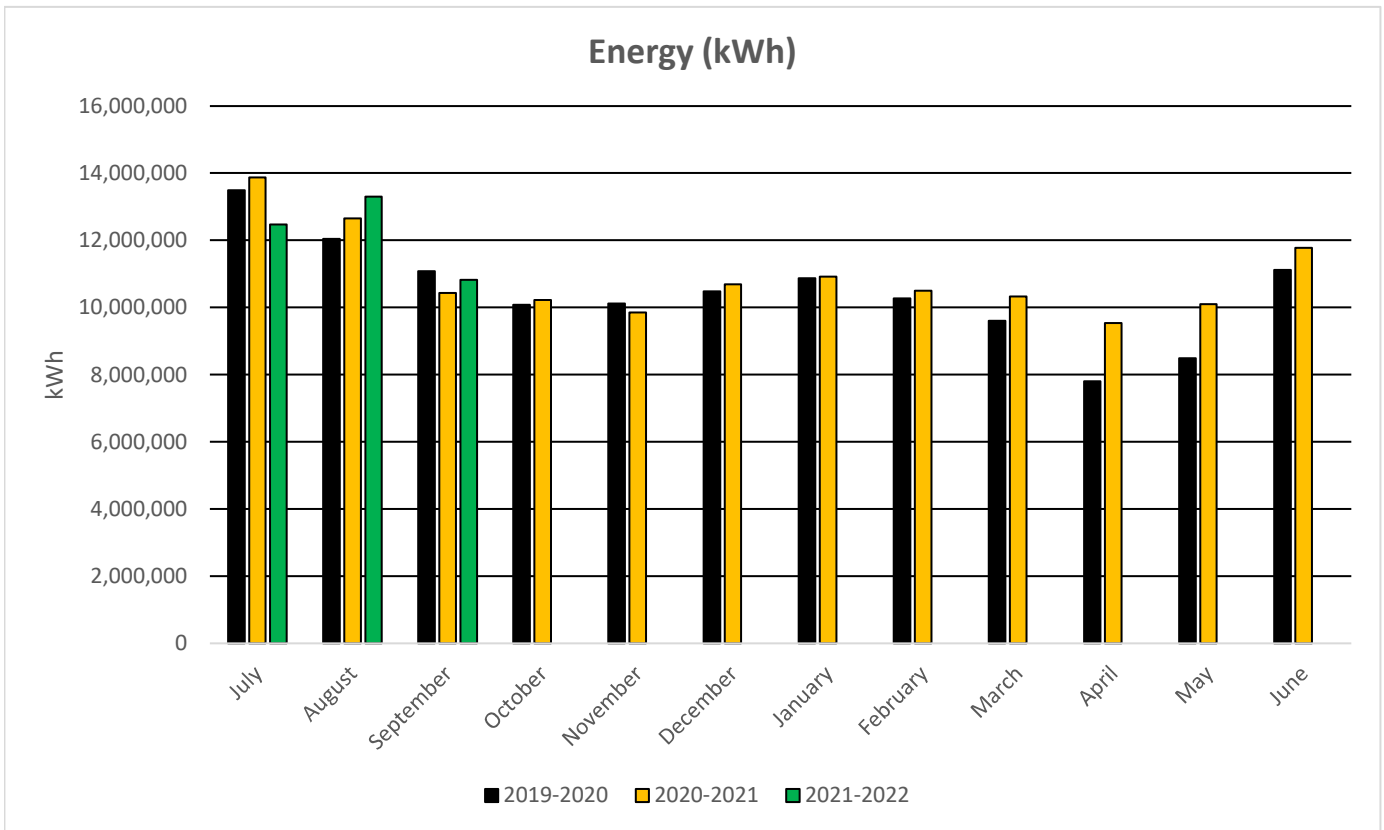
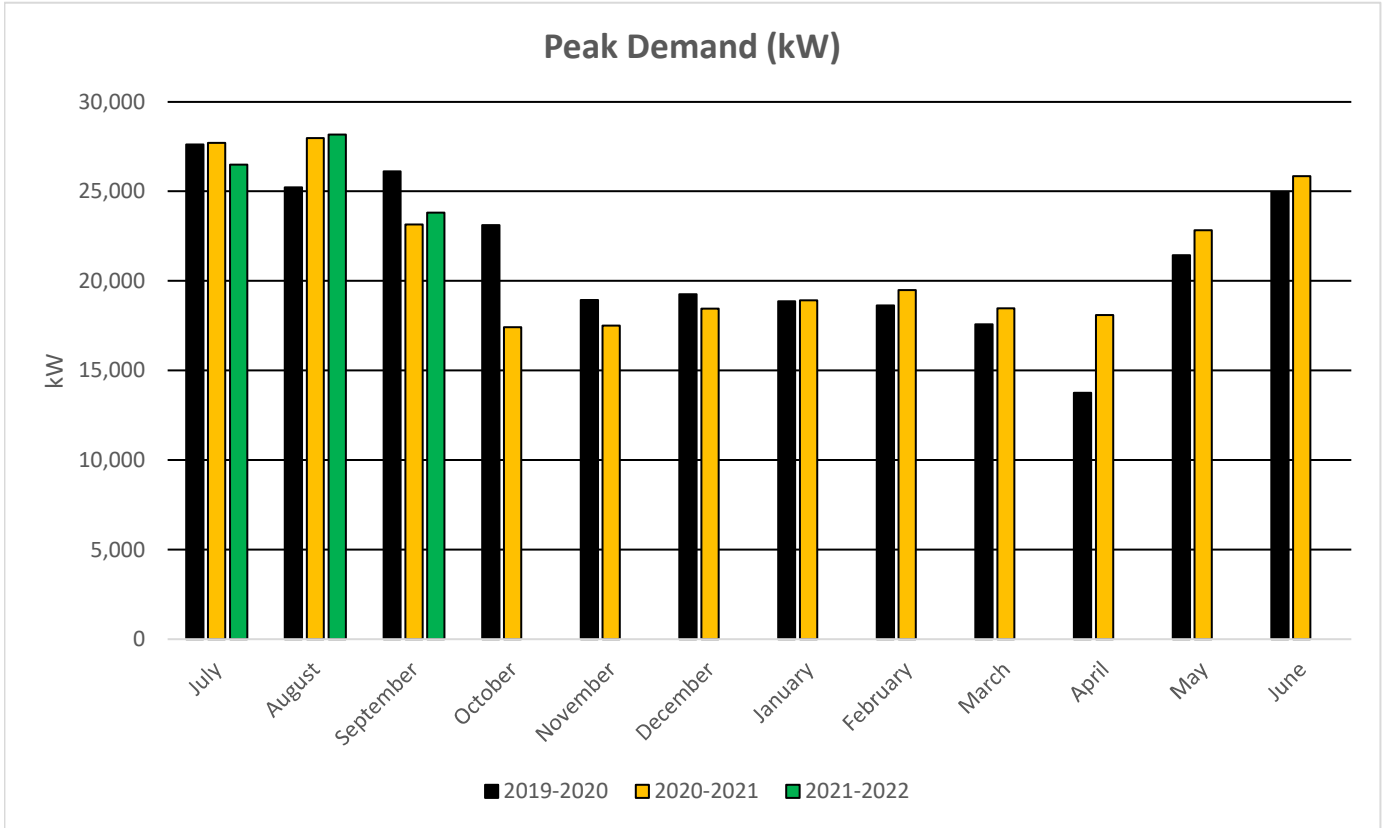
MEMBER ENERGY USAGE
(THIS MONTH VS THIS MONTH LAST YEAR)

Year	Month	<u>CLINTON</u>		<u>COLDWATER</u>		<u>HILLSDALE</u>		<u>MARSHALL</u>		<u>UNION CITY</u>		<u>MEMBER TOTAL</u>		
		Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	
1	<u>2020</u>	JULY	2,677,230	4.5	39,711,098	4.7	13,863,573	2.8	12,380,539	8.3	2,038,082	7.6	70,670,523	5.0
2		AUG.	2,408,305	7.1	39,233,280	4.6	12,648,284	5.0	11,406,562	8.0	1,784,851	10.2	67,481,282	5.5
3		SEPT.	1,869,242	-3.0	34,785,722	-8.2	10,432,614	-5.8	9,193,579	-1.3	1,137,661	-14.6	57,418,818	-6.7
4		OCT.	1,758,176	3.2	38,330,962	-12.2	10,219,755	1.4	9,115,164	3.7	1,285,669	4.2	60,709,726	-7.2
5		NOV.	1,763,527	0.1	37,489,741	-20.0	9,847,150	-2.6	8,738,593	2.4	1,361,863	-11.6	59,200,874	-14.0
6		DEC.	2,031,675	5.5	41,975,372	-15.3	10,684,930	2.0	9,399,857	6.7	1,557,549	-0.9	65,649,383	-9.3
7	<u>2021</u>	JAN.	2,013,108	5.9	44,794,189	-12.9	10,910,128	0.4	9,683,380	5.6	1,541,735	1.6	68,942,541	-7.9
8		FEB.	1,950,865	5.4	37,650,742	-17.5	10,492,209	2.2	9,091,485	5.1	1,468,357	6.2	60,653,657	-10.5
9		MAR.	1,847,183	0.4	35,452,808	-15.3	10,326,541	7.6	9,525,377	13.2	1,326,984	0.4	58,478,894	-7.2
10		APR.	1,747,088	9.3	32,834,663	26.4	9,532,306	22.2	9,060,687	32.3	1,170,557	-0.4	54,345,301	25.2
11		MAY	1,887,630	10.9	34,114,690	22.9	10,094,293	19.0	10,215,369	36.3	1,253,033	6.5	57,565,015	23.5
12		JUNE	2,312,959	9.0	36,501,189	4.4	11,768,606	5.9	11,905,224	16.7	1,518,569	3.6	64,006,547	6.9
		YTD TOTAL	24,266,989	4.9	452,874,457	-5.9	130,820,389	4.3	119,715,817	10.6	17,444,908	1.2	745,122,561	-1.3
1	<u>2021</u>	JULY	2,459,207	-8.1	38,031,040	-4.2	12,468,987	-10.1	13,018,295	5.2	1,588,189	-22.1	67,565,717	-4.4
2		AUG.	2,682,207	11.4	40,127,566	2.3	13,293,564	5.1	14,192,405	24.4	1,573,323	-11.9	71,869,066	6.5
3		SEPT.	2,049,339	9.6	33,690,314	-3.1	10,819,410	3.7	11,306,317	23.0	1,365,173	20.0	59,230,552	3.2
4		OCT.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
5		NOV.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
6		DEC.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
7	<u>2022</u>	JAN.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
8		FEB.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
9		MAR.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
10		APR.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
11		MAY	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
12		JUNE	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
		YTD TOTAL	7,190,753	3.4	111,848,920	-1.7	36,581,961	-1.0	38,517,016	16.8	4,526,685	-8.7	198,665,335	1.6

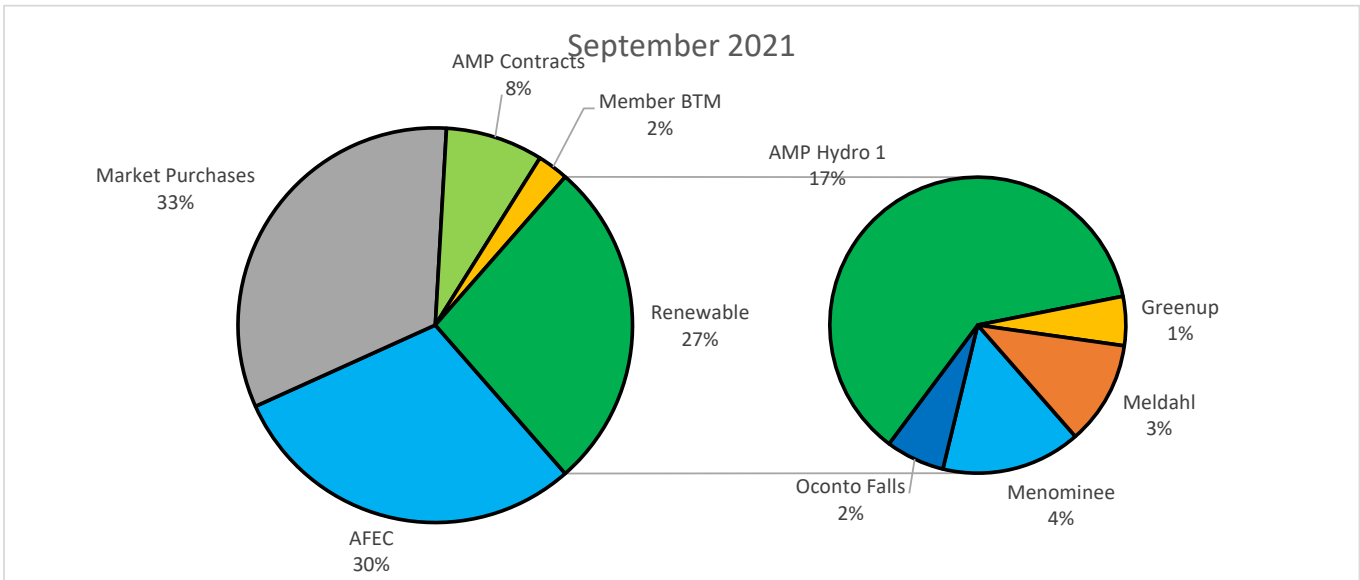
MEMBER ENERGY USAGE
(YEAR TO DATE - RUNNING AVERAGE)

Year	Month	<u>CLINTON</u>		<u>COLDWATER</u>		<u>HILLSDALE</u>		<u>MARSHALL</u>		<u>UNION CITY</u>		<u>MEMBER TOTAL</u>		
		Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	Energy (KWHRS)	Chg. (%)	
1	<u>2020</u>	JULY	2,677,230	-4.2	39,711,098	-8.4	13,863,573	-3.4	12,380,539	-3.0	2,038,082	0.3	70,670,523	-6.5
2		AUG.	2,408,305	-3.7	39,233,280	-7.9	12,648,284	-3.1	11,406,562	-2.6	1,784,851	0.7	67,481,282	-6.1
3		SEPT.	1,869,242	-3.7	34,785,722	-8.0	10,432,614	-3.2	9,193,579	-2.5	1,137,661	0.2	57,418,818	-6.1
4		OCT.	1,758,176	-3.5	38,330,962	-8.1	10,219,755	-3.0	9,115,164	-2.3	1,285,669	0.3	60,709,726	-6.1
5		NOV.	1,763,527	-3.4	37,489,741	-8.5	9,847,150	-3.0	8,738,593	-2.2	1,361,863	-0.1	59,200,874	-6.4
6		DEC.	2,031,675	-3.1	41,975,372	-8.8	10,684,930	-2.8	9,399,857	-1.9	1,557,549	-0.1	65,649,383	-6.5
7	<u>2021</u>	JAN.	2,013,108	-2.8	44,794,189	-9.0	10,910,128	-2.7	9,683,380	-1.7	1,541,735	-0.1	68,942,541	-6.6
8		FEB.	1,950,865	-2.6	37,650,742	-9.2	10,492,209	-2.6	9,091,485	-1.5	1,468,357	0.1	60,653,657	-6.7
9		MAR.	1,847,183	-2.5	35,452,808	-9.4	10,326,541	-2.3	9,525,377	-1.1	1,326,984	0.1	58,478,894	-6.7
10		APR.	1,747,088	-2.2	32,834,663	-8.8	9,532,306	-1.8	9,060,687	-0.3	1,170,557	0.1	54,345,301	-6.1
11		MAY	1,887,630	-1.9	34,114,690	-8.2	10,094,293	-1.3	10,215,369	0.5	1,253,033	0.2	57,565,015	-5.5
12		JUNE	2,312,959	-1.6	36,501,189	-7.9	11,768,606	-1.1	11,905,224	1.0	1,518,569	0.3	64,006,547	-5.2
		YTD TOTAL	24,266,989	4.9	452,874,457	-5.9	130,820,389	4.3	119,715,817	10.6	17,444,908	1.2	745,122,561	-1.3
1	<u>2021</u>	JULY	2,459,207	-0.2	38,031,040	-7.4	12,468,987	-0.1	13,018,295	3.4	1,588,189	-0.1	67,565,717	-4.3
2		AUG.	2,682,207	0.1	40,127,566	-7.2	13,293,564	0.1	14,192,405	3.9	1,573,323	-0.4	71,869,066	-4.0
3		SEPT.	2,049,339	0.2	33,690,314	-7.1	10,819,410	0.1	11,306,317	4.3	1,365,173	-0.1	59,230,552	-3.9
4		OCT.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
5		NOV.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
6		DEC.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
7	<u>2022</u>	JAN.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
8		FEB.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
9		MAR.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
10		APR.	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
11		MAY	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
12		JUNE	0	NA	0	NA	0	NA	0	NA	0	NA	0	NA
		YTD TOTAL	7,190,753	3.4	111,848,920	-1.7	36,581,961	-1.0	38,517,016	16.8	4,526,685	-8.7	198,665,335	1.6

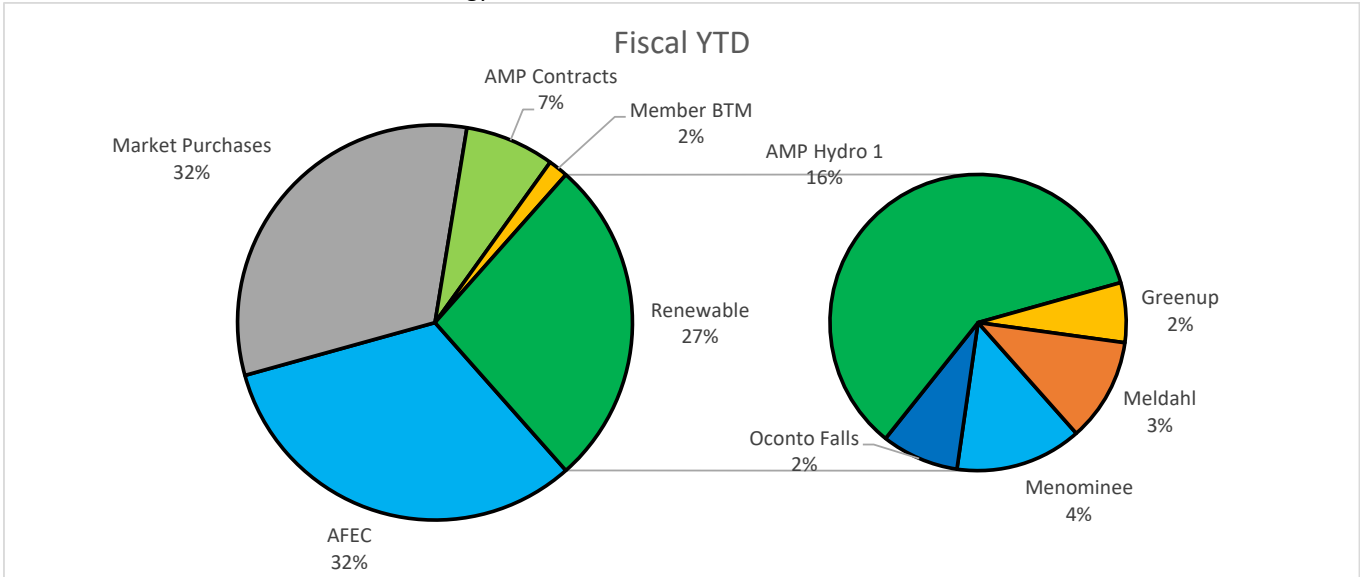
Hillsdale - Demand and Energy History



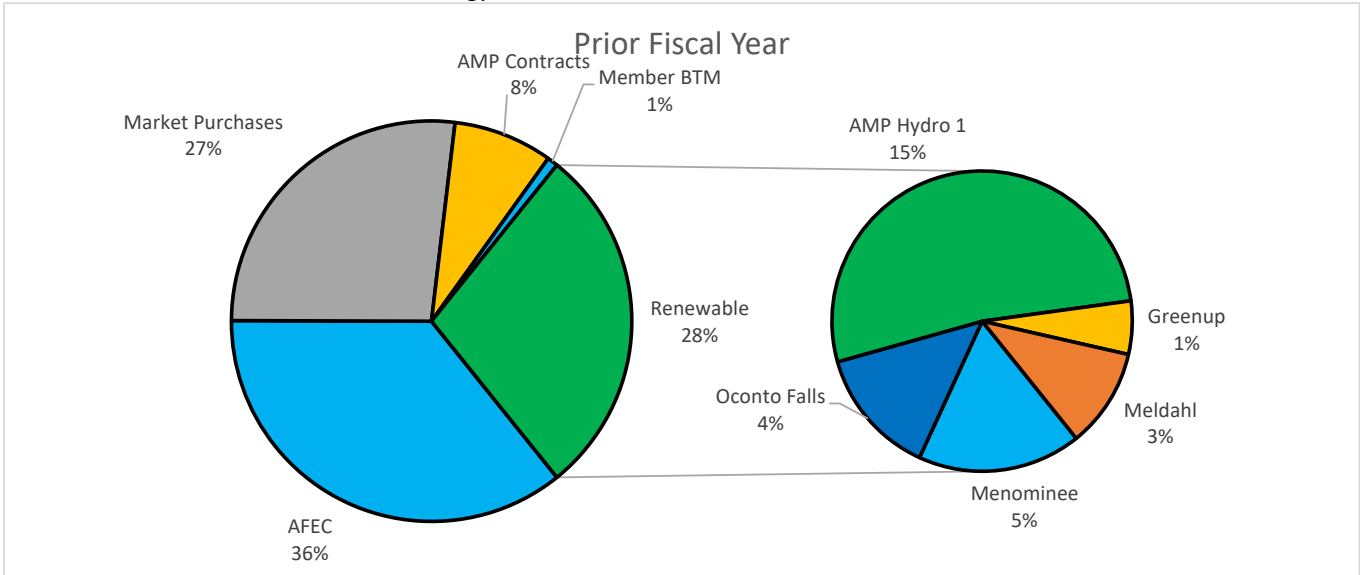
Hillsdale Energy Resource Mix



Market Sales: 13 MWh, 0.1% of Total Energy



Market Sales: 64 MWh, 0.2% of Total Energy



Market Sales: 900 MWh, 0.7% of Total Energy

**MINUTES OF THE MICHIGAN SOUTH CENTRAL POWER AGENCY
BOARD OF COMMISSIONERS REGULAR MEETING**

October 15, 2021
12:00 p.m.

One Grand Street, Coldwater, MI 49036
& via Zoom Webinar

NOTICE OF MEETING

A public notice had been posted in accordance with Open Meetings Act No. 267, Public Acts of Michigan, 1976.

COMMISSIONERS PRESENT

Jeff Budd, Coldwater, Michigan
Kevin Cornish, Clinton, Michigan
David Mackie, Hillsdale, Michigan
Chris Mathis, Union City, Michigan
Tom Tarkiewicz, Marshall, Michigan

ALTERNATE COMMISSIONERS PRESENT

Jim Odneal, Coldwater, Michigan
Chris McArthur, Hillsdale, Michigan

OTHERS PRESENT IN PERSON

Pam Sullivan and Tom Sillasen of AMP; Kevin Maynard of Marshall; Andrew Cameron of Coldwater; and Don Reid, Coldwater Daily Reporter

OTHERS PRESENT VIA ZOOM

Scott Kiesewetter, Chris Norton and Mark McGuire of AMP; Jodi Dobson and Gwen Zech of Baker Tilly; Trisha Nelson of Marshall; and Katie Abraham of MMEA.

1. CALL TO ORDER:

Chairman Tarkiewicz called the meeting to order at 12:15 p.m.

2. APPROVAL OF AGENDA WITH ANY ADDITIONS:

Moved Commissioner Cornish, supported Commissioner Mathis, to approve the addition of item 7F. Energy Needs to the agenda. On a voice vote: **MOTION CARRIED.**

3. PUBLIC COMMENTS ON AGENDA ITEMS:

No public comment.

4. APPROVAL OF MINUTES:

Moved Commissioner Cornish, supported Commissioner Mathis, to approve the minutes of the September 2, 2021 Regular Board Meeting. On a voice vote: **MOTION CARRIED.**

5. FINANCIAL:

A. Presentation and Consideration of the FY 2020-2021 Audit by Baker Tilly

Moved Commissioner Cornish, supported Mackie, to receive and place on file the FY 2020-2021 Financial Audit by Baker Tilly. On a voice vote: **MOTION CARRIED.**

B. Finance Report

Summarized the report with no specific issues to report.

C. Approval of August 2021 Financial Statements and Investment Report

Moved Commissioner Budd, supported Commissioner Cornish, to approve the August 2021 Financial Statements and Investment Reports. On a voice vote: **MOTION CARRIED.**

D. Approval of August 2021 Invoices

Moved Commissioner Mathis, supported Commissioner Cornish, to approve the August 2021 Invoices as presented. On a voice vote: **MOTION CARRIED.**

E. Approval of the Member Equity Statement Annual Report

Moved Commissioner Budd, supported Commissioner Cornish, to approve the Member Equity Statement Annual Report. On a voice vote: **MOTION CARRIED.**

Michigan South Central Power Agency
Member Equity Statement
June 30, 2021

	Total	Clinton	Coldwater	Hillsdale	Marshall	Union City
Assets and Deferred Outflows						
Plant in Service						
Transmission - Project 1 Allocation	4,520,220	293,814	1,808,088	1,152,656	1,084,853	180,809
Net Plant in Service	4,520,220	293,814	1,808,088	1,152,656	1,084,853	180,809
Cash - Project 1 Allocated	5,038,743	327,518	2,015,497	1,284,879	1,209,298	201,550
Cash - General Allocated	4,932,699	601,927	3,701,072	625,163	-	4,537
Cash - Rate Stabilization	6,647,714	1,246,758	4,772,664	478,066	150,223	3
June Rate Stabilization collected July	(3)	-	-	-	-	(3)
Pension and Related Deferred Outflow	187,500	12,188	75,000	47,813	45,000	7,500
Prelim Survey-Coldwater Peaking %	217,478	13,049	137,011	34,796	23,923	8,699
MISO Posting	2,134,531	138,744	853,812	544,305	512,287	85,381
Accounts Receivable plus June RSF	3,952,752	146,540	2,258,268	726,620	740,270	81,053
Other Assets	120,308	7,820	48,123	30,678	28,874	4,812
Total Assets and Deferred Outflows	27,751,940	2,788,358	15,669,536	4,924,977	3,794,728	574,341

Liabilities and Deferred Inflows						
Deferred Rate Stabilization	(6,647,711)	(1,246,758)	(4,772,664)	(478,066)	(150,223)	-
Pending Rate Stabilization	(3)	-	-	-	-	(3)
Pension and Related Deferred Inflow	1,393,412	90,572	557,365	355,320	334,419	55,737
Accounts Payable - based on A/R split	(3,272,680)	(121,328)	(1,869,732)	(601,605)	(612,907)	(67,108)
Total Liabilities and Deferred Inflows	(8,526,981)	(1,277,514)	(6,085,031)	(724,351)	(428,711)	(11,375)
Net Equity Ownership	19,224,959	1,510,844	9,584,505	4,200,626	3,366,018	562,966
Percentage Ownership	100.00%	7.86%	49.85%	21.85%	17.51%	2.93%

F. Approval of the Cash Reserve & Fund Balance Policy Annual Report

Moved Commissioner Cornish, supported Commissioner Mackie, to approve the Cash Reserve Fund Balance Annual Report. On a voice vote: **MOTION CARRIED.**

MICHIGAN SOUTH CENTRAL POWER AGENCY
CASH RESERVE POLICY
AS OF JUNE 30, 2021

CASHRESERVE POLICY -COMPONENTS

Factor	Description	Driver
1	Operations and Maintenance Expense	O&M Expense multiplied by 30 days cash on hand
2	MISO Collateral and Reserve	Most recent 12 month high exposure multiplied by 1.5x

CASHRESERVE POLICY -MINIMUM CASHRESERVE CALCULATION

FISCAL YEAR 2021		Fiscal Amount	Multiplier	Reserve Amount	Source
Factor	Description				
1	Operations & Maintenance Expense	\$ 50,778,955	30 days	\$ 4,173,613	Financials Statements
2	MISO Cash Collateral and Reserve	3,269,808	1.5x	\$ 4,904,712	MISO credit exposure reports
Minimum Cash Reserve				9,078,325	
FISCAL YEAR 2022 (PROJECTED)		Fiscal Amount	Multiplier	Reserve Amount	Source
Factor	Description				
1	Operations & Maintenance Expense	\$ 50,571,821	30 days	\$ 4,156,588	Approved Budget
2	MISO Cash Collateral and Reserve	3,269,808	1.5x	\$ 4,904,712	MISO credit exposure reports
Minimum Cash Reserve				9,061,300	

CASHRESERVE POLICY -MEMBER RESERVE CALCULATION AT 6/30/21

Factor	Description	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
1	O&M Expense	\$ 135,371	\$ 2,526,313	\$ 729,768	\$ 667,822	\$ 97,315	\$ 4,156,588
2	MISO Cash Collateral	\$ 318,806	\$ 1,961,885	\$ 1,250,702	\$ 1,177,131	\$ 196,188	\$ 4,904,712
Minimum Cash Reserve		\$ 454,177	\$ 4,488,198	\$ 1,980,469	\$ 1,844,953	\$ 293,503	\$ 9,061,300
Available Cash and RSF as of 6/30/21		\$ 2,314,947	\$ 11,343,046	\$ 2,932,414	\$ 1,871,808	\$ 291,471	\$ 18,753,686
Excess over Policy Reserve		\$ 1,860,770	\$ 6,854,848	\$ 951,944	\$ 26,855	\$ (2,032)	\$ 9,692,386

CASHRESERVE POLICY -CASHBALANCES BYFUND AT 6/30/21

Fund Type	Method	Clinton	Coldwater	Hillsdale	Marshall	Union City	Total
Rate Stabilization Fund	Member	\$ 1,246,758	\$ 4,772,664	\$ 478,066	\$ 150,223	\$ 3	\$ 6,647,714
MISO Surety Fund	Project 1	\$ 138,744	\$ 853,812	\$ 544,305	\$ 512,287	\$ 85,381	\$ 2,134,531
General Fund*	Project 1	\$ 327,518	\$ 2,015,497	\$ 1,284,879	\$ 1,209,298	\$ 201,550	\$ 5,038,743
General Fund Allocated	As Remains	\$ 601,927	\$ 3,701,072	\$ 625,163	\$ -	\$ 4,537	\$ 4,932,699
Total		\$ 2,314,947	\$ 11,343,046	\$ 2,932,414	\$ 1,871,808	\$ 291,471	\$ 18,753,686

*General Fund includes both the O&M and Revenue Funds.

G. Rate Stabilization Update

This item was discussed at the work session.

Michigan South Central Power Agency
Minimum Rate Stabilization Reserve Calculation
as of September 30, 2021

Rate Stabilization Analysis:

9/30/2021 Balance

Total	Clinton	Coldwater	Hillsdale	Marshall	Union City
\$ 6,726,710	\$ 1,246,819	\$ 4,772,899	\$ 478,090	\$ 228,902	\$ -

Minimum Calculation Required:

Highest projected billing draw

Factor by 6

Minimum Rate Stabilization Required

\$ 6,182	\$ 158,650	\$ 39,637	\$ 25,123	\$ 3,646
6	6	6	6	6
\$ 37,094	\$ 951,902	\$ 237,823	\$ 150,739	\$ 21,874

9/30/2021 Balance

Minimum Rate Stabilization Required

Pass/Fail

\$ 1,246,819	\$ 4,772,899	\$ 478,090	\$ 228,902	\$ -
\$ 37,094	\$ 951,902	\$ 237,823	\$ 150,739	\$ 21,874
Pass	Pass	Pass	Pass	Fail

Per the Rate Stabilization Policy, the calculation was based on the following:

- A. An average rate will be calculated from the forward 12-month power supply cost projections.
- B. This average rate will then be applied as fixed rate to calculate the monthly fluctuations in the forward 12-month power supply projections.
- C. The shortfall between the highest monthly projection and the 12-month average will be multiplied by a factor of six (6X) to calculate the minimum rate stabilization balance

6. MANAGEMENT:

A. MMEA Report

Katie Abraham provided a brief MMEA update.

B. General Manager's Report

Pam Sullivan and Scott Kiesewetter provided an update.

C. MISO Update

Chris Norton provided an update to the Board.

7. ACTION ITEMS

A. Union City Withdrawal Update (MISO Load Filing)

MISO load projections for 2022 will be submitted without Union City being included.

B. Union City Withdrawal Update

Moved Commissioner Cornish, supported Commissioner Mathis to authorize the execution of the Withdrawal and Allocation Adjustment Agreement by the General Manager, in substantial form, subject to final approvals from each board members

governing body. On a roll call vote: Ayes: Budd, Cornish, Mackie, Mathis, and Tarkiewicz, Nays: None. **MOTION CARRIED.**

C. Coldwater Peaking Update

Nothing significant to report at this time.

D. Solar RFP

Moved Commissioner Mackie, supported Commissioner Budd, to enter into a term sheet with the selected solar developer for 25-40 MW with the final MW amount to be determined within the next 6 weeks. On a voice vote: **MOTION CARRIED.**

E. Capacity Resource

Moved Commissioner Cornish, supported Commissioner Mackie, to authorize the General Manager to purchase MISO capacity from any zone to meet projected needs (minus Union City) for the 2023/2024 planning year. On a voice vote: **MOTION CARRIED.**

F. Energy Needs

Moved Commissioner Cornish, supported Commission Mathis, to authorize the General Manager to purchase 4 MW of 7 x 24 energy for the term 2022-2029, 1 MW for Marshall and 3 MW for Coldwater, in the not to exceed price of \$40/MWh. On a voice vote: **MOTION CARRIED.**

8. OTHER BUSINESS

None.

9. PUBLIC COMMENTS ON NON-AGENDA ITEMS

None.

10. COMMISSIONER COMMENTS AND MEMBER'S MUNICIPALITY UPDATE:

Coldwater: Fiber project is on-going and doing well.

Clinton: Closing out construction projects and wrapping up substation project.

Hillsdale: Governor visit coming up for a downtown project kick-off. Also, wrapping up construction projects.

Union City: Two weeks away from substation switch over and will be holding 100-year Dam Celebration.

Marshall: Open house for the 3rd grower, wrapping up street projects, and new electric director on board.

Adjourn at 1:25 p.m.

Thomas Tarkiewicz, Chairman

Kevin Cornish, Secretary

DRAFT

**MICHIGAN SOUTH CENTRAL POWER AGENCY
BOARD OF COMMISSIONERS WORK SESSION
Friday, October 15, 2021
9:00 a.m.**

MINUTES

Attendees In Person:

Kevin Cornish, Clinton
Jeff Budd, Coldwater
Dave Mackie, Hillsdale
Tom Tarkiewicz, Marshall
Chris Mathis, Union City
Jim Odneal, Coldwater
Andrew Cameron Coldwater
Chris McArthur, Hillsdale
Keith Baker, Coldwater
Pam Sullivan, AMP
Tom Sillasen, AMP

Attendees Via Zoom:

Jeff LaBine – Miller Canfield
Steven Mann – Miller Canfield
Chris Norton - AMP
Scott Kiesewetter - AMP
Don Reid, Coldwater Daily Reporter (dropped off at start of closed session)
Tyler Wolford, TEA (joined for closed session)

- 1. Public Comments on Agenda Items** – Public comment shall be limited to no more than five minutes. Please state your name for the record.
Public Comment Period

None

- 2. Review Member Equity Statement calculation**

Verbal report by Tom Sillasen

- 3. Review Cash Reserve Fund Balance calculation**

Verbal report by Tom Sillasen

- 4. Review Rate Stabilization Fund Balances calculation**

Verbal report by Tom Sillasen

5. Review of Union City Withdrawal Agreement

Report by Jeff LaBine. Page turn review of draft agreement.

CLOSED SESSION

Moved Commissioner Mackie, supported Commissioner Cornish, to enter into Closed Session under section 8 (h) of the Open Meetings Act to consider material exempt from discussion or disclosure under state or federal law, allowing alternate Commissioners, acting MSCPA GM, and AMP Staff into the closed session. On a roll call vote: Ayes: Budd, Cornish, Mackie, Mathis, and Tarkiewicz, Nays: None.

MOTION CARRIED.

Enter into Closed Session at 10:36 a.m.

6. Solar PPA Update (Closed Session)

7. TEA Capacity Analysis (Closed Session)

Moved Commissioner Mackie, supported Commissioner Budd, to exit Closed Session. On a roll call vote: Ayes: Budd, Cornish, Mackie, Mathis, and Tarkiewicz, Nays: None. **MOTION CARRIED.**

Exited Closed Session at 11:42 a.m.

CITY COUNCIL MINUTES

City of Hillsdale
October 4, 2021
7:00 P.M.

Regular Meeting

Call to Order and Pledge of Allegiance

Mayor Adam Stockford opened the meeting with the Pledge of Allegiance.

Roll Call

Mayor Adam Stockford called the meeting to order. Clerk Price took roll call.

Council Members present: Adam Stockford, Mayor
R Greg Stuchell, Ward 1
Anthony Vear, Ward 1
William Morrissey, Ward 2
Cynthia Pratt, Ward 2
Bill Zeiser, Ward 3
Raymond Briner, Ward 4
Robert Socha, Ward 4

Council Members absent: Bruce Sharp, Ward 3

Also Present: Attorney Tom Thompson, Katy Price (City Clerk), Scott Hephner (HCPD/HCFD), Jake Hammel (DPS Director), Chris McArthur (BPU Director), Kelly LoPresto (Economic Development), Penny Swan, Mike Prince, James Galloway, Josh Hypes, Olivia Hajicek, Stephanie Myers, Julie Boyce, and Corey Murray (HDN).

Approval of Agenda

Motion by Council Member Morrissey, seconded by Council Member Socha to approve the agenda as presented

By a voice vote, the motion passed unanimously.

Public Comment

None

Consent Agenda

- A. Approval of Bills
 - 1. City and BPU Claims of September 16, 2021: \$602,387.94
 - 2. Payroll of September 16, 2021: \$196,258.75
- B. City Council Minutes of September 20, 2021
- C. Stock's Park Minutes of August 8, 2021
- D. TIFA Minutes of July 20, 2021, August 17, 2021
- E. TIFA Targeted Development Minutes of August 30, 2021
- F. Planning Commission Minutes of August 18, 2021

Motion by Council Member Morrissey, seconded by Council Member Pratt to approve the Consent agenda as presented.

Roll call:

Council Member Vear	Aye
Council Member Briner	Aye
Council Member Morrissey	Aye
Council Member Pratt	Aye
Council Member Stuchell	Aye
Mayor Stockford	Aye

Council Member Socha	Aye
Council Member Zeiser	Aye

Motion passed 8-0

Communications/Petitions

- A. MI HOPE 2021 Recipients Press Release: Hillsdale Community Library \$15,000.00
- B. BPU Hydrant Flushing Begins October 4, 2021
- C. MRC September 2021 Newsletter
- D. Airport Fuel Sales Report

All items presented for the purpose of information only.

Introduction and Adoption of Ordinances/Public Hearings

- A. Public Hearing: Commercial Rehabilitation Exemption: Eric Hoffman Trust #1 (3890 W. Carleton Rd)

Mayor Stockford opened podium at 7:12 p.m. for public comment.

James Galloway asked about what determines the maximum abatement time and reasoning for the full maximum abatement years given in this tax abatement.

Mayor Stockford replied that the City encourages business and expanding businesses and the maximum allotted time is usually what is given.

Mayor Stockford closed podium at 7:13 p.m.

Motion by Council Member Socha, seconded by Council Member Vear to approve the CRE exemption to Eric Hoffman Trust #1 **Resolution #3475**.

Roll call:

Council Member Vear	Aye
Council Member Briner	Aye
Council Member Morrissey	Aye
Council Member Pratt	Aye
Council Member Stuchell	Aye
Mayor Stockford	Aye
Council Member Socha	Aye
Council Member Zeiser	Aye

Motion passed 8-0

Old Business

- A. Confirmation of Final Special Assessment Rolls of SAD 21-01, 21-02, 21-04 and SAD 21-04 Resolution

Jake Hammel (Public Services Director) reported that two of the three projects came out below the expected amount. The projects went exceptionally well.

Council Member Stuchell thanked Mr. Hammel on a great job well done. He also asked if there were more residents interested in special assessment districts to have more street work done. Mr. Hammel replied that there were residents that reached out and inquired about doing their streets.

Council Member Socha asked about the contributions that he along with Council Member Morrissey has recently implied for special assessments to help the residents.

City Attorney Thompson stated to mark contributions for specific use, such as streets, special assessment.

Motion by Council Member Morrissey, seconded by Council Member Socha to adopt **Resolution #3476** confirming approval of Williams Court Special Assessment District SAD 21-04. To set public hearing for final confirmation of SAD 21-01, 21-02, 21-04 for October 18, 2021. Also to have Assessor Thomas place assessment roll on file with the Clerk's office, direct Clerk to publish public hearing notice and direct Assessor to mail notice to effected property owners.

Roll call:

Council Member Vear	Aye
Council Member Briner	Aye
Council Member Morrissey	Aye
Council Member Pratt	Aye
Council Member Stuchell	Aye
Mayor Stockford	Aye
Council Member Socha	Aye
Council Member Zeiser	Aye

Motion passed 8-0

B IFT Agreement with DDP Specialty Electronic Materials US/DuPont

Motion by Council Member Stuchell, seconded by Council Member Socha to approve the IFT agreement with DDP Specialty Electronic Materials US/DuPont.

Roll call:

Council Member Vear	Aye
Council Member Briner	Aye
Council Member Morrissey	Aye
Council Member Pratt	Aye
Council Member Stuchell	Aye
Mayor Stockford	Aye
Council Member Socha	Aye
Council Member Zeiser	Aye

Motion passed 8-0

New Business

A. 2022 Police Interceptor Utility Bid

Chief Hephner reviewed the police interceptor bid request and the bidders. The Police Department continues to purchase the explorers because they are great vehicles for the use they are looking for.

Motion by Council Member Stuchell, seconded by Council Member Briner to award bid to Stillwell Ford Lincoln in the amount of \$34,132.38.

Roll call:

Council Member Vear	Aye
Council Member Briner	Aye
Council Member Morrissey	Aye
Council Member Pratt	Aye
Council Member Stuchell	Aye
Mayor Stockford	Aye

Council Member Socha	Aye
Council Member Zeiser	Aye

Motion passed 8-0

B. MERS 2021 Officers and Employee Delegates

The 75th annual MERS meeting is scheduled for October 7-8 in Grand Rapids, Michigan. The City has historically sent two representatives (an officer delegate and an employee delegate) to at least one day of the conference to ensure that we remain abreast of the latest changes to the MERS program. The conference provides interactive educational sessions, resources for our members and an overview of the future needs.

This year the employee delegate is Frank Engle. Laura Sergent, Human Resources Director has offered to be the management delegate.

Motion by Council Member Briner, seconded by Council Member Vear to appoint Laura Sergent management delegate and Frank Engle as employee delegate.

By a voice vote, the motion passed unanimously.

C. Local Teamsters Union #214 Contract

Jake Hammel (DPS Director) reviewed the key points of the negotiated contract. The contract is for three-years. Items to note in the contract include:

Consolidate job duties and wages to General Laborer and Operator I. Remove Equipment Operator I and II as job categories.

Increase wages by \$1.00 an hour for the first year of the contract. Year two 2.5% and year 3 3% increases.

A \$750.00 signing bonus.

PTO (Paid Time Off) time for new hires versus separate vacation, sick and personal time of current employees.

Addition of Martin Luther King Day off as a holiday.

Council Member Stuchell stated that the benefits are extremely generous and the contract has hidden costs which is costly on the City.

Mr. Hammel stated that the contract is competitive and mentioned he has been losing good employees to local factories and other businesses in the area.

Further Council discussion ensued.

Motion by Council Member Morrissey, seconded by Council Member Vear to approve the Local Teamsters #214 contract for the time period of October 1, 2021 to June 30, 2024.

Roll call:

Council Member Vear	Aye
Council Member Briner	Aye
Council Member Morrissey	Aye
Council Member Pratt	Aye
Council Member Stuchell	Nay
Mayor Stockford	Aye
Council Member Socha	Aye
Council Member Zeiser	Aye

Motion passed 7-1

D. Local IBEW Union #876 Contract

Chris McArthur (BPU Director) reviewed the key points of the negotiated contract. The contract is for three-years. Items to note in the contract include:

Annual raises for the three year contract:

Lineman 5%, 4.5%, 4.5%

Apprentice wages 65/70/75/80/85/90/95 of Lineman wages

Service Tech 2%, 2.5%, 3%

Groundman 4%, 3%, 3%

Water Operator 4%, 2.5%, 3%

\$750 signing bonus

PTO (Paid Time Off) for new hires versus separate vacation, sick and personal time of current employees

Addition of Martin Luther King Day off as a holiday

Council discussion ensued.

Council Member Stuchell suggested a “golden handcuff” approach, looking into items like retirement package to retain good employees.

Motion by Council Member Morrissey, seconded by Council Member Vear to approve the Local IBEW #876 contract for the time period of October 1, 2021 to June 30, 2024.

Roll call:

Council Member Vear	Aye
Council Member Briner	Aye
Council Member Morrissey	Aye
Council Member Pratt	Aye
Council Member Stuchell	Aye
Mayor Stockford	Aye
Council Member Socha	Aye
Council Member Zeiser	Aye

Motion passed 8-0

E. Hillsdale College Barber Drive Sidewalk/Terrace Project- Discussion

On June 25, 2021 Hillsdale College submitted a Right of Way Permit Application for the installation of a sidewalk and retaining wall on Barber Drive from Hillsdale St. to Union St. A retaining wall is necessary due to the incline along the sidewalk, however, it will be within the City’s right of way. After discussion with the College, it has been agreed the College will maintain the sidewalk, retaining wall and landscape in perpetuity. An agreement between the City and the College is being drafted by the City Attorney stating as much as will be presented at the October 18, 2021 meeting for approval.

No action taken.

Miscellaneous Reports

- A. Proclamation – Pregnancy & Infant Loss Remembrance Day October 15, 2021
- National Disability Employment Awareness Month- October 2021

Mayor Stockford read each proclamation aloud.

Julie Boyce and Stephanie Myers spoke about what Key Opportunities is about and with the National Disability Employment Awareness proclamation approved in the City, Key Opportunities will continue to bring awareness to the community and support employers that employ people with disabilities.

Mayor Stockford thanked Boyce and Myers and everyone at Key Opportunities for doing what they do.

B. Appointments—None

C. Other – None

General Public Comment

Doug Ingles, 20 Vine St, Hillsdale County Commissioner, stated that Michigan Works Southeast is having a virtual expungement session October 8th, 2021 from 10am – 11am. Also an in person expungement fair on November 5th, 2021 from 10am – 2pm at the Hillsdale location. Registration is available on their website.

James Galloway, 9 Rippon Ave, stated he was doing research and looking for the master plan for the City. He has seen the one for 2015. He has a proposal to bring to the City and would like to see the updated master plan.

Penny Swan, Ward 4, thanked Council for renewing the union contracts the BPU line workers and Public Services crew are out in the worst weather and should be able to get what they can get.

City Manager’s Report

None

Council Comments

Council Member Stuchell shared that the Heritage Association and with the good work from Mary Wolfram, received an art grant for \$15,000 that will help complete the stenciling work for the Dawn Theater.

Council Member Socha asked Council Member Briner to extend thanks for all the hard work to the fair board on a great and successful fair this year.

Council Member Zeiser stated that his two year old had a great time at the fair but wanted to see lions and tigers.


Council Member Briner mentioned the fair was a great event. The board consist of 28 volunteers and all put in many hours over the week. Lots of time and commitment is put in for the fair as it’s the Most Popular Fair on Earth.

Adjournment

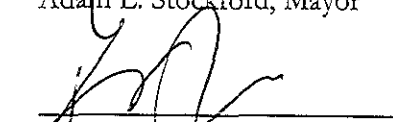
Council Member Morrissey, seconded by Council Member Pratt moved to adjourn the meeting.

By a voice vote, the motion passed unanimously.

The meeting adjourned at 8:10 p.m.



Adam L. Stockford, Mayor



Katy Price, City Clerk

Chris McArthur

From: American Public Power Association <Membership@PublicPower.org>
Sent: Thursday, November 4, 2021 2:06 PM
To: Chris McArthur
Subject: REGISTER NOW | APPA webinar to discuss new business plan

Trouble reading this email? Click [here](#) for a mobile version.



Dear Chris,

I'm pleased to announce that the American Public Power Association's Board of Directors recently approved a new association business plan, which aligns APPA's strategic objectives and financial resources. This plan serves as a blueprint for a new era of investing in APPA's success and—by extension—public power's future.

I hope you will join me and members of my senior team for a [complimentary webinar](#) on Monday, November 15, from 11:30 AM to 12:30 PM Eastern, where you will hear an overview of the plan and can ask us questions about its implementation.

Please [register today](#), and contact EducationInfo@PublicPower.org if you have questions or need assistance.

I look forward to seeing you on the 15th!

Sincerely,

A handwritten signature in black ink, appearing to read "Joy Ditto".

Joy Ditto
President & CEO

Contact

EducationInfo@PublicPower.org

202.467.2900