

Booster Pumping Station #2	Gorman-Rupp Company	Dakota Pump Inc.	Pamar Enterprises Inc.	Engineered Fluid, Inc.
Replacement Project	600 South Airport Road	25524 413th Ave	58021 Gratiot Avenue	1221 N. Elm St., P.O. Box 723
RFP-RH-17-019	Mansfield, OH 44903	Mitchell, South Dakota 57301	New Haven, MI 48048	Centralia, IL 62801
	<b>Response was Submitted by Trojan Development</b>	<b>Response included Lawrence M. Clarke</b>	<b>Response is the construction portion of EFI's Proposal</b>	<b>Response is the Design, Manufacture &amp; Deliver portion of Pamar's Proposal</b>
Years in business	84	50	41	52
Type of Organization	Corporation	Corporation	Corporation	Corporation
Years Company has been mfg. pre-fab booster stations?	Has been manufacturing engineered packaged equipment since 1967. Has manufactured over 16,000 lift stations and water booster stations. Majority of their equipment is manufactured by them. Pumps, controls, valves and fiberglass enclosures are all Gorman-Rupp manufactured.	Has been manufacturing pre-fabricated package water booster stations for over 50 years.	Refer to EFI Vendor Question	Has been in business since November of 1964 and incorporated in 1967. A packaged control valve station was the first station EFI manufactured. EFI produces about 350 stations a year. Pump stations comprise about 80%-85% of production.
How many similar projects done per year?	Approximately 350 per calendar year.	Manufactures approximately 60 package systems per year.	Averages 2-3 of this type of prefabricated product in recent years.	Approximately 280-300 pump stations yearly.
How many clients do you currently serve with the described services?	They estimate several thousand clients in the US and International areas. Provides full in-house staff of engineers, engineering design, equipment manufacturing, factory assembly and testing, start-up services, field services/trouble shooting, and warrantee services.	Every project manufactured is a custom package to project specifications. Each project includes engineering services to design the structural requirement, flow requirements, and electrical requirements. They hire outside services for the structural requirements when professional structural calculations are required.	List of clients and project schedule include clients with this type of work within the past five years attached in response.	They manufacture what they sell. On site services, warranty service, out of warranty service and maintenance agreements. They have a service center at their home office and two rapid response centers. Closest service center is Indianapolis, IN. EFI has thousands of customers coast to coast.
Minimum of 10 references provided?	Yes	Yes	Yes	Yes
What assistance is expected from the City staff or engineering design contractor?	Participate in project progress meetings, Review submittals/shop drawings, provide survey staking for proposed work, construction testing, secure easements, isolate existing water main for proposed work, provide and coordinate SCADA RTU/Modem Panel.	City and Engineering contractor will determine the requirements of the water system/infrastructure. They would then work together to design all aspects of the booster station.	City of Rochester Hills DPW operation of valves.	City operator is needed during start up to open the hydrant for testing and put the station on line into the current system. See attached Start up request form. It includes tasks that need to be completed prior to start up.
Targeted milestone dates	Vendor submitted detailed milestones. In summary targeted pre construction meeting on 7/24/17 and final completion on 6/1/18.	Once order is received full submittal package 4-7 weeks Manufacturing after submittal will be 18-24 weeks DPI Factory test 17 to 23 weeks Shipping after submittal approval 18-24 weeks	Detailed project schedule attached.	6/8/17-Submittals are provided. 16 weeks after approval station will be ready for delivery. 7-10 days after manufacture completion, station is delivered. Start up should be scheduled three weeks prior to services. As scheduled by contractor/owner: start up and training- <u>minimum 3 days.</u>
Number of sub-contractors and their roles.	Gorman-Rupp/Dubois-Cooper Associates-packaged booster pump and control panel equipment supplier, electrical subcontractor, roofing subcontractor, bituminous paving subcontractor.	At this time they don't believe any subcontractors will be used. Their representative, Jett Pump, will be involved with the full project.	Pamar/EFI expect to use the following: Dan's Excavating Inc.-Install electrical Kemp building and development for Masonry, brick veneer, steel lintels, misc. carpentry and roof.	Engineered solutions Midwest, EFI majority owned, 100% employee owned subsidiary. Start up services and warranty.
Staff profiles	Project Team profiles submitted.	Project team listed.	Project team listed.	Project team listed.
How communication will occur to keep key representatives updated	Provide weekly project status report, monthly progress meetings.	Communication will be accomplished via phone calls, emails and submittal data provided. Site visits, progress meetings, and conference calls will be required. <u>Lawrence Clarke answer</u> -Would recommend weekly progress meeting until 90% of the project is complete. At this meeting they would review schedule and monies spent to ensure all aspects of the job are being addressed.	Problems encountered are communicated with the engineer and owner immediately and their field staff is trained on keeping records of all aspects of the project. When project changes are required they seek input from the owner and engineer immediately.	Once award is made and Notice to proceed is given, communication will be directed to or from either Curt Ford or Tim Hovda. Their information is provided in response.

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Summarize start-up day for new booster station.	Start-up checklist to be completed prior to scheduling start-up, Gorman-Ruff Field service and controls engineer on-site, Dubois-Cooper Service manager on site, Trojan Development on site, final check of installed equipment - pipe, valves, fittings, wirings, etc. Turn power on to MCC-check voltage and controls. Verify PLC programming, VFD settings, building load center, confirm motor/pump rotation, operate pumps and adjust control settings to minimize surges in water system.	Dakota Pump will present to start the booster station and thoroughly explain all systems that control the station. During that process they will train the City individuals who will operate the station during normal operation and alarm situations. <u>Lawrence Clare answer</u> -They would arrive on site with all manufacturers representatives and subcontractors. They would review the equipment installed and work with the City personnel to operate valves as necessary to simulate a need for water pressure increase.	Refer to EFI response.	Energize the station Turn on water Bleed air out of system Start station in manual operation through hydrant Start generator Test in automatic through PLC Training. EFI recommends at least one operator stay with service technician during start up. The time can supplement their training.
Explain follow-up services or warranties included.	Dubois-Cooper to visit site 1 and 2 months after start-up to follow up on station operation. 2 year warranty on packaged booster pump controls and generator equipment, 10 year warranty on building, and 20 year warranty on building <u>roofing and visible metal items.</u>	Two year warranty service with labor included. They have also included a 2 year warranty trip to be accomplished with the Owner and Engineer for the final inspection.	Refer to EFI response.	The station will have a two-year parts and labor warranty commencing at start up and ending 24 months later. Warranty is attached in vendor response. The building, its structure and finishes will bear a 10-year warranty.
Explain companies errors or omissions in plans and specs.	To bring any identified errors and omissions in the plans and specifications to the Engineer's and Owner's attention. Once identified, work with Engineer and Owner in a cooperative manner to resolve the identified issue.	Their normal procedure is to propose a piece of equipment and then submit details upon what is proposed. If items were not proposed and/or submitted, then the items were not included in their proposed cost. If there are unforeseen items, they can be addressed and pricing negotiated. <u>Lawrence Clarke answer</u> -If they come across any outstanding items they would bring it to the City's attention via an email communication.	If any errors and omissions are found they will be brought to the owner/engineer's attention immediately.	Provided the input and desired output parameters give to EFI are accurate, EFI guarantees its design and workmanship of the product proposed to be a fully functioning pump station, meeting the customer needs as described in the specifications. EFI's price is based upon the submittals provided. Items omitted from the specifications AND not shown in EFI's submittal may be subject to a price adjustment.
Is a contract required?	Direct contract between Gorman-Rupp and the City is not required.	Will provide their standard proposal to the contractors.	Yes, standard contract agreement provided in RFP's attachment D is acceptable.	A P.O. or contract is required.
Billing procedures	Shall invoice Trojan Development once equipment is delivered to the site. Payment is due 45 calendar days from date of invoice.	20% down on approved submittals 77.5% Net 30 days after station delivery 2.5% upon station start-up <u>Lawrence Clarke answer</u> -They would invoice the City at the end of the month for work completed LMC would ask for payment of main components via materials on site invoice.	Net 30 Progress Billings.	Monthly progress billing. EFI will invoice the City monthly on or before the day prescribed by the City. EFI will invoice for the percentage of the station and services completed less any payments received previously. Payment terms net 45 using ACH. Once the City is invoiced, EFI will need a remittance advice emailed to EFI.
Any litigation in the past five years?	Yes. Please see response for full description.	None <u>Lawrence Clarke answer</u> -None	No.	Yes, bill correction.
How many full-time employees?	440	27 <u>Lawrence Clarke answer</u> -20	125+	164
How many part-time employees?	0	8 <u>Lawrence Clarke answer</u> -0	N/A	4

Booster Pumping Station #2	Gorman-Rupp Company			Dakota Pump Inc.			Pamar Enterprises			Engineered Fluid, Inc.			Trojan Development Co., Inc.											
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	600 South Airport Road Mansfield, OH 44903			25524 413th Ave Mitchell, South Dakota 57301			58021 Gratiot Avenue New Haven, MI 48048			1221 N. Elm St., PO Box 723 Centralia, IL 62801			2260 Metamora Road Oxford, MI 48371											
Item	Quantity	Unit Price	Total Price	Quantity	Unit Price	Total Price	Quantity	Unit Price	Total Price	Quantity	Unit Price	Total Price	Quantity	Unit Price	Total Price	Quantity	Unit Price	Total Price	Quantity	Unit Price	Total Price			
1	Proposal Option #1																							
	Package Booster Pumping System and Facility,	1 LS	Lump Sum		1 LS	Lump Sum	NO BID		1 LS	Lump Sum	NO BID		1 LS	Lump Sum	\$758,377.00*	1	Lump Sum	No bid	1	Lump Sum	No bid	1	Lump Sum	No bid
		Option #1 Total Cost																						
	Proposal Option #2																							
	Package Booster Pumping System and Facility, Complete (11212 & 13125)	1 LS	Lump Sum		1 LS	Lump Sum	\$950,000.00		1 LS	Lump Sum	\$975,930.00		1	Lump Sum	\$1,132,829.59	1	Lump Sum	\$1,116,261.59	1	Lump Sum	\$1,136,826.59			
	2 Mobilization	1 LS	Lump Sum		1 LS	Lump Sum	\$100,000.00		1 LS	Lump Sum	\$102,000.00		1	Lump Sum	\$71,119.00	1	Lump Sum	\$71,119.00	1	Lump Sum	\$71,119.00			
	3 Color Audio-Video Route Survey	1 LS	Lump Sum		1 LS	Lump Sum	\$2,000.00		1 LS	Lump Sum	\$2,000.00		1	Lump Sum	\$2,100.00	1	Lump Sum	\$2,100.00	1	Lump Sum	\$2,100.00			
	4 Water Main, 12 inch, w/ Zinc Coating, CL54, w/ Polywrap, Std Backfill	18 lft			18 lft	\$260.00	\$4,680.00		18 lft	\$556.00	\$10,008.00		18 lft	\$184.50	\$3,321.00	18 lft	\$184.50	\$3,321.00	36 lft	\$184.50	\$6,642.00			
	4b Water main, 8 inch., CL54, w/Polywrap Sand Backfill																		10	\$95.00	\$950.00			
	5 Water Main, 16 inch, w/ Zinc Coating, CL54, w/ Polywrap, Sand Backfill	89 lft			89 lft	\$160.00	\$14,240.00		89 lft	\$588.00	\$52,332.00		89 lft	\$195.54	\$17,403.06	89 lft	\$195.54	\$17,403.06			\$0.00	\$0.00		
	6 Water Main, 16 inch, w/ Zinc Coating, CL54, w/ Polywrap, Std Backfill	76 lft			76 lft	\$260.00	\$19,760.00		76 lft	\$561.00	\$42,636.00		76 lft	\$183.32	\$13,932.32	76 lft	\$183.32	\$13,932.32	134 lft	\$209.55	\$28,079.70			
	7 Connection to Ex. 16-inch PCCP Water Main	2 each			2 each	\$33,000.00	\$66,000.00		2 each	\$32,420.00	\$64,840.00		2 each	\$31,449.50	\$62,899.00	2 each	\$0.00	\$0.00			\$0.00	\$0.00		
	7a Ex. 16 inch PCP to DI Transition Tee															4 each	\$11,965.00	\$47,860.00	2 each	\$8,690.00	\$17,380.00			
	8 Gate Valve & Well, 12 inch	1 each			1 each	\$7,500.00	\$7,500.00		1 each	\$6,580.00	\$6,580.00		1 each	\$8,525.00	\$8,525.00	1 each	\$8,525.00	\$8,525.00	1 each	\$8,525.00	\$8,525.00			
	9 Gate Valve & Well, 16 inch	3 each			3 each	\$27,000.00	\$81,000.00		3 each	\$8,860.00	\$26,580.00		3	\$13,901.20	\$41,703.60	3	\$13,901.20	\$41,703.60	4 each	\$13,901.20	\$55,604.80			
	9a Gate Valve & Well, 8 inch																		1 each	\$0.00	\$0.00			
	10 Gate Valve, 16 inch, Remove & Replace (15-06-4-600)	1 each			1 each	\$35,000.00	\$35,000.00		1 each	\$44,560.00	\$44,560.00		1	\$13,950.00	\$13,950.00	1	\$13,950.00	\$13,950.00			\$0.00	\$0.00		
	10a Remove and Salvage 8-inch Valve and Box																		1 each	\$1,200.00	\$1,200.00			
	11 Gate Valve, 12 inch, Remove & Cap (15-06-4-607)	1 each			1 each	\$4,500.00	\$4,500.00		1 each	\$980.00	\$980.00		1 each	\$2,915.00	\$2,915.00	1 each	\$2,915.00	\$2,915.00	1 each	\$2,915.00	\$2,915.00			
	12 Gate Valve, 16 inch, Remove & Cap (15-07-4-604)	1 each			1 each	\$5,500.00	\$5,500.00		1 each	\$1,760.00	\$1,760.00		1 each	\$3,459.00	\$3,459.00	1 each	\$3,459.00	\$3,459.00	1 each	\$3,459.00	\$3,459.00			
	13 Gate Valve, 12 inch, Remove & Cap (15-07-4-652)	1 each			1 each	\$5,500.00	\$5,500.00		1 each	\$980.00	\$980.00		1 each	\$2,915.00	\$2,915.00	1 each	\$2,915.00	\$2,915.00	1 each	\$2,915.00	\$2,915.00			
	14 Sewer, Fusible PVC SDR 23.5, 6 inch, HDD	85 lft			85 lft	\$130.00	\$11,050.00		85 lft	\$225.00	\$19,125.00		85 lft	\$119.80	\$10,183.00	85 lft	\$119.80	\$10,183.00	85 lft	\$119.80	\$10,183.00			
	15 Service Lead, Complete, 6 inch	30 lft			30 lft	\$200.00	\$6,000.00		30 lft	\$225.00	\$6,750.00		30 lft	\$169.29	\$5,078.70	30 lft	\$169.29	\$5,078.70	30 lft	\$169.29	\$5,078.70			
	16 Sew Tap, 6 inch	1 each			1 each	\$6,500.00	\$6,500.00		1 each	\$12,250.00	\$12,250.00		1 each	\$950.00	\$950.00	1 each	\$950.00	\$950.00	1 each	\$950.00	\$950.00			
	17 Sewer, PVC SDR 23.5, 6 inch, Sand Backfill	70 lft			70 lft	\$110.00	\$7,700.00		70 lft	\$56.00	\$3,920.00		70 lft	\$35.36	\$2,475.20		\$0.00	\$0.00			\$0.00	\$0.00		
	18 Maintenance Basin, 24-inch Dia	2 each			2 each	\$1,600.00	\$3,200.00		2 each	\$980.00	\$1,960.00		2 each	\$1,840.00	\$3,680.00	2 each	\$1,840.00	\$3,680.00	2 each	\$1,840.00	\$3,680.00			
	19 Sewer, HDPE Corrugated Smooth Line Double Wall, 8 Inch, Std Backfill	63 lft			63 lft	\$120.00	\$7,560.00		63 lft	\$55.00	\$3,465.00		63 lft	\$25.35	\$1,597.05	63 lft	\$25.35	\$1,597.05	63 lft	\$25.35	\$1,597.05			
	20 Sewer, HDPE Corrugated Smooth Line Double Wall, 8 Inch, Sand Backfill	24 lft			24 lft	\$160.00	\$3,840.00		24 lft	\$68.00	\$1,632.00		24 lft	\$25.35	\$608.40	24 lft	\$25.35	\$608.40	24 lft	\$25.35	\$608.40			
	21 Underdrain, 6 inch, Special	91 lft			91 lft	\$35.00	\$3,185.00		91 lft	\$24.00	\$2,184.00		91 lft	\$15.95	\$1,451.45	91 lft	\$15.95	\$1,451.45	91 lft	\$15.95	\$1,451.45			
	22 Dr Structure, 36 inch, W/ 2' Sump	1 each			1 each	\$3,000.00	\$3,000.00		1 each	\$2,760.00	\$2,760.00		1 each	\$1,590.00	\$1,590.00	1 each	\$1,590.00	\$1,590.00	1 each	\$1,590.00	\$1,590.00			
	23 Dr Structure Cover, EJ, 1050 ZI Type 03	1 each			1 each	\$3,000.00	\$3,000.00		1 each	\$672.00	\$672.00		1 each	\$620.00	\$620.00	1 each	\$620.00	\$620.00	1 each	\$620.00	\$620.00			
	24 HMA Surface, Rem	165 syd			165 syd	\$15.00	\$2,475.00		165 syd	\$12.00	\$1,980.00		165 syd	\$8.75	\$1,443.75	165 syd	\$8.75	\$1,443.75	165 syd	\$8.75	\$1,443.75			
	25 Conc. End Section	1 each			1 each	\$600.00	\$600.00		1 each	\$532.00	\$532.00		1 each	\$496.00	\$496.00	1 each	\$496.00	\$496.00	1 each	\$496.00	\$496.00			
	26 Sewer, RCP CL IV, 12 inch, Std Backfill	210 lft			210 lft	\$70.00	\$14,700.00		210 lft	\$78.65	\$16,516.50		210 lft	\$35.86	\$7,530.60	210 lft	\$35.86	\$7,530.60	210 lft	\$35.86	\$7,530.60			
	27 HMA, 5E03, MOD, 2 inch	165 syd			165 syd	\$30.00	\$4,950.00		165 syd	\$49.50	\$8,167.50		165 syd	\$25.98	\$4,286.70	165 syd	\$25.98	\$4,286.70	165 syd	\$25.98	\$4,286.70			
	28 HMA, 4E03, MOD, 2 inch	175 syd			175 syd	\$30.00	\$5,250.00		175 syd	\$49.50	\$8,662.50		175 syd	\$24.98	\$4,371.50	175 syd	\$24.98	\$4,371.50	175 syd	\$24.98	\$4,371.50			
	29 Aggregate Base, 21AA, Special, 4 inch	390 syd			390 syd	\$16.00	\$6,240.00		390 syd	\$12.50	\$4,875.00		390 syd	\$15.21	\$5,931.90	390 syd	\$15.21	\$5,931.90	480 syd	\$15.21	\$7,300.80			
	30 Aggregate Base, 21AA, Special, 6 inch	48 syd			48 syd	\$20.00	\$960.00		48 syd	\$18.00	\$864.00		48 syd	\$21.98	\$1,055.04	48 syd	\$21.98	\$1,055.04	48 syd	\$21.98	\$1,055.04			
	31 Site Grading For Stormwater Management Facilities	1 LS	Lump Sum		1 LS	Lump Sum	\$8,000.00		1 LS	Lump Sum	\$65,482.00		1 LS	\$7,530.00	\$7,530.00	1 LS	\$7,530.00	\$7,530.00	1 LS	\$7,530.00	\$7,530.00			
	32 Grass Paver System	565 sft			565 sft	\$20.00	\$11,300.00		565 sft	\$11.00	\$6,215.00		565 sft	\$4.35	\$2,457.75	565 sft	\$4.35	\$2,457.75			\$0.00	\$0.00		
	33 Driveway, Nonrein Conc, Approach, 9 Inch	48 syd			48 syd	\$100.00	\$4,800.00		48 syd	\$108.54	\$5,209.92		48 syd	\$144.94	\$6,957.12	48 syd	\$144.94	\$6,957.12	48 syd	\$144.94	\$6,957.12			
	34 Driveway, Nonrein Conc, Driveway, 6 Inch	173 syd			173 syd	\$80.00	\$13,840.00		173 syd	\$83.80	\$14,497.40		173 syd	\$67.60	\$11,694.80	173 syd	\$67.60	\$11,694.80	188 syd	\$67.60	\$12,708.80			
	35 Sidewalk, Conc, 4 Inch	560 sft			560 sft	\$8.00	\$4,480.00		560 sft	\$7.82	\$4,379.20		560 sft	\$4.60	\$2,576.00	560 sft	\$4.60	\$2,576.00	650 sft	\$4.60	\$2,990.00			
	36 Valve Box, Adjust	1 each			1 each	\$300.00	\$300.00		1 each	\$225.00	\$225.00		1 each	\$200.00	\$200.00	1 each	\$200.00	\$200.00			\$0.00	\$0.00		
	37 Gate Well, Adjust	2 each			2 each	\$500.00	\$1,000.00		2 each	\$350.00	\$700.00		2 each	\$600.00	\$1,200.00	2 each	\$600.00	\$1,200.00	2 each	\$600.00	\$1,200.00			
	38 Structure, adjust	1 each			1 each	\$400.00	\$400.00		1 each	\$350.00	\$350.00		1 each	\$700.00	\$700.00	1 each	\$700.00	\$700.00	1 each	\$700.00	\$700.00			
	39 Structure, Reconstruct	1 each			1 each	\$1,000.00	\$1,000.00		1 each	\$880.00	\$880.00		1 each	\$1,200.00	\$1,200.00	1 each	\$1,200.00	\$1,200.00	1 each	\$1,200.00	\$1,200.00			
	40 Water Main, 12 inch, Abandon	180 lft			180 lft	\$20.00	\$3,600.00		180 lft	\$4.00	\$720.00		180 lft	\$15.55	\$2,799.00	180 lft	\$15.55	\$2,799.00	180 lft	\$15.55	\$2,799.00			
	41 Water Main, 16 inch, Abandon	240 lft			240 lft	\$15.00	\$3,600.00		240 lft	\$5.00	\$1,200.00		240 lft	\$22.90	\$5,496.00	240 lft	\$22.90	\$5,496.00	240 lft	\$22.90	\$5,496.00			
	42 Abandon Existing BPS Facility	1 LS	Lump Sum		1 LS	Lump Sum	\$30,000.00		1 LS	Lump Sum	\$49,650.00		1 LS	\$21,250.00	\$21,250.00	1 LS	\$21,250.00	\$21,250.00	1 LS	\$21,250.00	\$21,250.00			
	43 Water Main Connection	2 each			2 each	\$30,000.00	\$60,000.00		2 each	\$6,570.00	\$13,140.00		2 each	\$2,466.50	\$4,933.00	2 each	\$2,466.50	\$4,933.00	3 each	\$2,516.23	\$7,548.69			
	44 Water Main, Connection to Booster Pumping System	2 each			2 each	\$6,000.00	\$12,000.00		2 each	\$7,690.00	\$15,380.00		2 each	\$7,107.30	\$14,214.60	2 each	\$7,107.30	\$14,214.60	2 each	\$7,107.30	\$14,214.60			
	45 CMU Veneer Base Course	405 sft			405 sft	\$50.00	\$20,250.00		405 sft	\$50.00	\$20,250.00		405 sft	\$0.00	\$0.00									