

CITY OF FRANKLIN
QUARRY MONITORING COMMITTEE*
MEETING AGENDA

Franklin City Hall, Council Chambers
9229 West Loomis Road, Franklin, Wisconsin 53132
Tuesday, October 27, 2026, 6:00 p.m.

- I. Call to Order, Roll Call and Pledge of Allegiance
- II. Approval of Minutes
 - a. Regular meeting of July 28, 2026.
- III. Citizen Comment Period
PLEASE NOTE: Each speaker may need to be limited to three minutes, allowing everyone who wishes the opportunity to speak
- IV. Business (Action may be taken on any item)
 - a. Presentation by Stantec Consulting Services, Inc., 3rd quarter of 2026 (Jul-Sep).
 - b. Quarry monitoring scope of services for calendar year 2027.
- V. Meeting scheduling discussion
- VI. Adjournment

** Notice is given that a majority of the Common Council may attend this meeting to gather information about an agenda item over which the Common Council has decision-making responsibility. This may constitute a meeting of the Common Council per State ex rel. Badke v. Greendale Village Board, even though the Common Council will not take formal action at this meeting.*

Notice is further given that upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information, please contact the Franklin City Clerk's office at (414) 425-7500.

**City of Franklin
Quarry Monitoring Committee Meeting
July 28, 2026
Minutes**

unapproved

I. Call to Order and Roll Call

Chair Alderman Nabil Salous called the July 28, 2026 Quarry Monitoring Committee to order at 6:00 p.m. in the Council Chambers at Franklin City Hall, 9229 W. Loomis Road, Franklin, Wisconsin.

Present were Chair Alderman Nabil Salous, Alderman Yousef Hasan and Members Edward Pings and Jon TenHaken. Excused was Vice Chair Dina Swanson. Also present were Planning Manager Régulo Martínez, Kristen Gunderson-Inden of Stantec Consulting Services, Clint Weninger and Jake Snyder of Payne & Dolan.

II. Approval of Minutes

Member Hasan moved and Member TenHaken seconded a motion to approve the minutes of the May 12, 2026. On voice vote, all voted 'aye;' motion carried (5-0-1).

III. Citizen Comment

The Citizen Comment period opened at 6:01 pm and closed at 6:01 pm.

IV. Business

a. Presentation by Stantec Consulting Services, Inc., 2nd quarter of 2026 (Apr-Jun).

Kristen Gunderson-Inden presented the quarterly report

V. Schedule next meeting

Next meeting is scheduled for October 27, 2026

VI. Adjournment

Alderman Hasan moved and Member Pings seconded to adjourn the July 28, 2026 Quarry Monitoring Committee meeting at 6:12 pm. On voice vote, all voted 'aye;' motion carried (5-0-1).



Stantec Consulting Services Inc.
12308 North Corporate Parkway, Suite 600
Mequon WI 53092-2661

October 13, 2026

Project/File: 193712004

Regulo Martinez-Montilva

Planning Manager - Department of City Development
City of Franklin
9229 West Loomis Road
Franklin, Wisconsin 53132
RMartinez-Montilva@franklinwi.gov

Dear Regulo Martinez-Montilva,

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 3rd Quarter 2026

The enclosed information summarizes monitoring activities completed during the second quarter of 2026 by Stantec Consulting Services Inc. (Stantec) pertaining to the Franklin Aggregates, Inc. quarry (owned by Payne & Dolan, Inc.) located at 6211 W. Rawson Avenue, Franklin, Wisconsin (the Quarry). Stantec was retained by the City of Franklin to conduct a combination of direct observation (visual) monitoring, seismic monitoring of the quarry operations, and evaluation of citizen complaints. Separate descriptions of services and project background are provided in **Attachments A and B**, respectively. This letter summarizes the results.

Direct Observation (Visual) Monitoring

Copies of completed observation forms are prepared and posted to the project SharePoint site for review by City representatives. Copies of individual reports are not provided with this summary report.

Six observation events were completed during the monitoring period. An announced inspection was performed on August 24 and unannounced inspections were performed on July 6, July 28, August 13, September 14, and September 23. The street sweeper was observed in use on Rawson Avenue during all six visits. Minor dust was observed from trucks exiting to Rawson Avenue during most of the visits. Rawson Avenue was driven from 76th Street to 35th Street and back on July 28 and no usual amounts of gravel were noted on the road or road shoulders. No other issues were observed. For five of the six visits, the northeast gate was open and in use in addition to the northwest gate. The truck traffic is a lower volume from the northeast gate and most trucks observed there exited to the east.

Seismic Monitoring

As contracted by the City, Stantec provided remote vibration monitoring using two seismographs co-located with two existing Payne & Dolan (Vibra-Tech) monitors at 7301 S. 51st Street (VT1 and S1) and 5324 W. Drexel Avenue (VT4 and S2). The monitoring provides continuous (24/7) remote monitoring. Payne & Dolan also has monitors at 7575 S. 51st Street (VT2) and 7721 S. 51st Street (VT3). Summaries of blasting data, comparing the Payne & Dolan unit recordings to the Stantec (Sauls Seismic) unit recordings, were prepared for the quarter, and are presented in **Attachment C. Figure 1** illustrates the locations of the blasts in the quarter. The Sauls Seismic units were calibrated on March 24, 2026 by the vendor and installed on April 7, 2026.

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 3rd Quarter 2026

Highlights of the seismic data include the following:

- Between July 1 and September 30, 2026, a total of 23 blasting events occurred; 21 of 23 (91.3%) of these blasts were confirmed by the Stantec monitors.
- Per the Planned Development District agreements (PDD), 85% of the quarry's blasts within any calendar year must be below the maximum permissible vibration (of 0.30 inches per second (in/sec)), measured at the closest residence or inhabited structure not owned or controlled by the quarry. This is more stringent than State of Wisconsin regulations which require quarry operators to report any ground vibration levels to the Wisconsin Department of Natural Resources (WDNR) that are above 0.75 in/sec.
 - None of the blasting events measured by Payne & Dolan or Stantec had a vibration greater than 0.30 in/sec this quarter. 100% of the quarry's blasts year to date were below this level. This is in conformance with the PDD.
- Per the PDD, airblast overpressure resulting from P&D blasting shall not exceed 123 dB on at least 85% of its blasts within any single calendar year, measured at the residence or inhabited structure closest to the site of the blast which is not owned or controlled by the Operator. Notwithstanding any other provision in this subsection, the Operator shall not exceed the airblast limitation imposed by Wis. Adm. Code, SPS Ch. 307.
 - None of the blasting events measured by Payne & Dolan or Stantec had an airblast overpressure (AO) greater than 123 dB this quarter. 100% of the quarry's blasts year to date were below this level. This is in conformance with the PDD.
- In general, the largest blast readings at each monitor appear to correlate with the proximity of the nearest adjacent blast location.
 - The corresponding blast data measured by Stantec with the Sauls Seismic monitors generally aligned with the readings at each Payne & Dolan sponsored Vibra-Tech monitor.

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 3rd Quarter 2026

Blast Complaint Evaluation

A compilation of all blast events and complaints received by Stantec for the period April 1 through June 30, 2026, is provided as **Attachment C**. Note the following:

Note 1: Attachment C does not provide the actual complainant details (name, address, and phone number) if known; it was decided to have this information remain confidential in this report.

Note 2: Attachment C also includes and highlights complaints from property owners located in new housing development in the Marquette Avenue area known as *Lots in Pleasant View Reserve*. These property owners, by acceptance on their individual deeds for each lot, have accepted that the Quarry operation may have an effect on the use and enjoyment of their lot(s), and have waived their right to any objection(s). A summary of those complaints received this quarter is provided below:

- 0 number of blast complaints from *Lots in Pleasant View Reserve*
- 0 number of complainants from *Lots in Pleasant View Reserve*

Note 3: Complainant identity may be released upon public records request to the City of Franklin.

Aside from any complaints received from property owners as outlined in Note 2 above, the locations of all other blasts and complaints are shown on **Figure 1**, and the following highlights this information:

Complaints - General

- 4 complaints (formally submitted)
- 0 complaints (informally submitted – phone call only)
- 1 complaints – regarding material in the road
- 3 complaint – regarding vibration/noise

Complaints – Blast Related

- 3 complaints – corresponding to actual blast events
- 0 complaints – not corresponding to specific blast events
- 1 complaints – complainant requested location not be identified
- 0 identified with general location
- 2 complaints – complainant location identified

Complaints (non-anonymous or general location given; confirmed blast related) - Locations

- 0 complaints – east of 51st Street
- 2 complaint – south of Drexel Avenue
- 0 complaints – west of Root River

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 3rd Quarter 2026

Summary of Complaint Comments – Blast Related

- July 9, 2026, 11:12am (highest readings at the 5324 W. Drexel Ave. monitor – 0.170 in/sec PPV, 110 dB AO) – two formal complaints to the south – blast in the southern pit.
 - *“Blasting. Loud – shook house. This was very loud and shook the whole house and know that you are going to say that they were within the limit.”*
 - *“Excessive ground concussion and blast emitting from a quarry blast.”*
- September 22, 2026, 10:45am (highest readings at the 7575 S. 51st St. monitor – 0.088 in/sec PPV, and 7721 S. 51st St. monitor - 116 dB AO) – one formal confidential complaint with no general location given – blast in the southern pit.
 - *“Excessive ground vibration and loud blast from the quarry.”*

Summary of Complaint Comments – Non-Blast Related

- July 14, 2026- Rawson Avenue – one formal complaint
 - *“For many, many blocks east and west of the quarry there is much small stone debris along both the westbound and eastbound curbs along Rawson Ave., much even into the southbound turning lanes. It would appear obvious this debris is being lost from the dump trucks coming from the quarry.”*

Blast Events

- 23 blast events - during monitoring period 3Q2026 (shot numbers 45 through 67)
- 2 blast events - corresponding to complaints
 - 0 weather: rain or light rain
 - 2 weather: haze, partly to mostly cloudy, or cloudy
 - 0 weather: clear, fair, or scattered clouds
 - 2 time: prior to 12:00 pm (noon)
 - 0 time: after 12:00 pm

Quarry Blast Locations Producing Complaints

- 1 southern area of quarry
- 0 central area of quarry
- 1 northern area of quarry

Upon review of these results outlined above, on Figure 1, and in Attachment C, the following observations are made:

- One of the complaints was regarding gravel on Rawson Avenue.
- Two complaints regarding a blast in the southern quarry from two residents to the south of the quarry (south of Drexel Avenue).
- There was one anonymous complaint with no general location given from a blast in the southern portion of the quarry.
- There were 11 blasts in the southern area of the quarry during this period; only two of these blasts produced complaints.

Reference: City of Franklin, WI - Franklin Aggregates Quarry Monitoring Summary, Period: 3rd Quarter 2026

Please feel free to contact Kristen Gunderson-Inden if you have any questions.

Sincerely,

STANTEC CONSULTING SERVICES INC.



Kristen Gunderson-Inden
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Attachments: A - Franklin Quarry Seismic Monitoring Description of Services
B - Franklin Quarry Seismic Monitoring Project Background
C - Summary of Seismic Data – 3rd Quarter 2026
Figure 1 - Seismic Monitoring, Blasting, and Complaint Locations, 3rd Quarter 2026

Attachment A Franklin Quarry Seismic Monitoring
Description of Services

DESCRIPTION OF SERVICES

Direct Observation (Visual) Monitoring

During 2026, Stantec will conduct a total of fourteen (14) qualitative site visits at the quarry to observe and document whether the site was compliant with operational parameters defined in the existing Planned Development District (PDD) agreements, and to evaluate whether the quarry's general operations are consistent with best management practices employed by other similar quarries. Site visits are a combination of announced and unannounced, but all are conducted during normal business hours. The days of the week and times of day for the visits vary. The observations are planned to be completed between April and October, when quarry operations are occurring, and airborne dust is more likely. Qualitative data to be collected includes the following:

- Visual observation of all aspects of the mining operation, including but not limited to:
 - Trucking operations, in particular pertaining to dust issues along Rawson Avenue
 - Operational issues that may affect local citizens in some form of adverse off-site impact
- Direct air quality observations, including:
 - General site and surrounding visual air quality, including opacity, in particular along Rawson Avenue
 - Dust control measures and issues on-site that may affect off-site receptors
 - Dust control issues directly adjacent off-site
 - Any other dust issues that may affect local citizens
- Quarry operations review (for announced visits), including:
 - Review of quarry records pertaining to dust control measures and recordkeeping, ensuring that the operator is following standard protocol to minimize off-site impacts, and evaluating how well and how quickly they respond to potential off-site impact situations
 - Comparison of records to stated performance objectives and respective PDD compliance, only as they pertain to dust in general, and along Rawson Avenue in particular

The findings of each visit will be documented on a standard form previously approved by the City. The form will be filled out by hand during each site visit and then scanned/posted to a project SharePoint site for review by City representatives. Stantec also will obtain photos to document site or directly adjacent off-site conditions, and short-duration video clips (e.g., showing dust impacts). These photos and videos are also uploaded to the project SharePoint site.

In addition to the observations and record review, Stantec also will obtain and document, on the inspection forms, local meteorological conditions that were relevant to the observations (e.g., temperature, wind speed, wind direction, humidity, and precipitation).

Stantec also will notify the City Planning Manager of any condition (pertaining to air or dust monitoring, or other PDD condition) that we become aware of that exceeds the allowances outlined in the PDD. This communication will be completed prior to noon on the business day following the day we become aware of any such event.

Seismic Monitoring

Stantec provides remote vibration monitoring using Nomis Seismographs. Sauls Seismic is subcontracted to operate two separate seismographs, which were co-located with two existing Payne & Dolan (Vibra-Tech) monitors at 7301 S. 51st Street (VT1 and S1) and 5800 W. Allwood Drive (VT4 and S2). Payne & Dolan also had monitors at 7526 S. 51st Street (VT2) and southeast of the quarry (VT3). On May 12 and 13, 2025, Payne & Dolan moved VT2, VT3 and VT4 monitors to locations at 7575 S. 51st Street (VT2), 7721 S. 51st Street (VT3) and 5324 W. Drexel Avenue (VT4). The two Stantec meters remained at the same locations until August 13, 2025, when S2 was moved from 5800 W. Allwood Drive to the new VT4 location at 5324 W. Drexel Avenue. Meter S1 remains at the same location.

Each Sauls Seismic monitor is pole-mounted and provided with a weatherproof enclosure. Power is provided via an internal battery and an external battery connected to a solar panel. This type of configuration provides continuous (24/7) remote monitoring, allowing Stantec to have access to data anytime via the Internet.

Blast Complaint Evaluation

Periodically, the City forwards to Stantec specific information pertaining to quarry complaints received. Stantec evaluates each one on a quarterly basis to determine the following corresponding collaborative conditions:

- Off-site dust complaints: weather conditions (wind direction and speed) the day of the complaint
- Off-site seismic complaints: seismic data from both Stantec (if monitoring at the time) and Payne & Dolan placed monitors
- On occasion, the City may request an exceptional blast complaint evaluation if a blast event receives an unusually high number of complaints. A letter report will be issued by Stantec within approximately one week of the request that describes:
 - seismic data from both Stantec and Payne & Dolan placed monitors
 - weather conditions (wind direction and speed) the day of the complaint
 - a figure showing location of blast and complaints

Attachment B Franklin Quarry Seismic Monitoring Project
Background

Background Summary

Seismic monitoring was completed to document whether the site was compliant with operational parameters defined in the existing Planned Development District (PDD) agreements. Prior to 2018, Stantec completed a variety of 2, 4, and 8-week seismic monitoring periods. During 2018, Stantec completed one 4-week period and one 16-week period of monitoring. Monitoring consisted of placing a city-owned and maintained Instantel MiniMate Plus fixed seismograph equipped with an external geophone at one of two city-established blast monitoring sites or vaults for each period. Seismic data was downloaded once every two weeks. Due to equipment limitations the data could not be downloaded remotely as it occurs (i.e., real time).

In 2019, Stantec provided remote vibration monitoring by using Nomis Seismographs. Sauls Seismic was subcontracted to install two separate seismographs, each co-located with two existing Payne & Dolan (Vibra-Tech) monitors located at: 7301 S. 51st Street, and 5800 W. Allwood Drive. Each monitor was pole-mounted and provided with a weatherproof enclosure. Power was provided via an internal battery and an external battery connected to a solar panel. This type of configuration provided continuous (24/7) remote monitoring, allowing Stantec to have access to data anytime via the Internet.

As contracted by the City for 2026, Stantec is providing remote vibration monitoring using two seismographs co-located with two existing Payne & Dolan (Vibra-Tech) monitors at 7301 S. 51st Street and 5800 W. Allwood Drive. The meter at 5800 W. Allwood Drive was moved in August 2025 to 5324 W. Drexel Avenue. The monitors provided continuous (24/7) remote monitoring. Quarterly summaries of blasting data, comparing the Payne & Dolan (Vibra-Tech) unit recordings to the Stantec (Sauls Seismic) unit recordings, will be prepared for the calendar year.

Per the PDD #23 and #24 Ordinances, 85% of the quarry's blasts within any calendar year must be below the maximum permissible vibration (also referred to as particle or ground velocity) of 0.30 inches per second (in/sec), measured at the closest residence or inhabited structure not owned or controlled by the quarry. This is more stringent than State of Wisconsin regulations (Wisconsin Department of Industry, Labor and Human Relations in ch.ILHR 7, Wis. Adm. Code on any blast [new reference now Wis. Adm. Code, Safety and Professional Services (SPS) Chapter 307]) which require quarry operators to report any ground vibration levels to the Wisconsin Department of Natural Resources that are above 0.75 in/sec.

Per the PDD #23 and #24 Ordinances, airblast resulting from P&D blasting shall not exceed 123 dB on at least 85% of its blasts within any single calendar year, measured at the residence or inhabited structure closest to the site of the blast which is not owned or controlled by the Operator. Notwithstanding any other provision in this subsection, the Operator shall not exceed the airblast limitation imposed by Wis. Adm. Code, SPS Ch. 307.

In addition to obtaining and reviewing the blast data from the city-owned, fixed seismograph, Stantec also received data from Payne & Dolan's Vibra-Tech (VT) meters, which provided independently-monitored Franklin Aggregate blasting data for the entire calendar year. Three of the four monitors used by Vibra-Tech at the start of 2025 were along South 51st Street, and one was just south of West Drexel Avenue. In May 2025, Payne & Dolan moved three of their monitors (VT2, VT3 and VT4) to new locations at 7575 S. 51st Street (VT2), 7721 S. 51st Street (VT3) and 5324 W. Drexel Avenue (VT4). VT1 remains at 7301 S. 51st Street. This independently monitored data was compared to the Stantec-obtained data

Attachment C Summary of Seismic Data – 3rd Quarter 2026

Payne & Dolan Blast Monitoring Data									Stantec Blast Monitoring Data			Comparison of P&D and Stantec Monitoring Data			Complaint Information			Weather (for complaints only)							
Date	Time	Activity Number	General Quarry Blast Location	Monitor Location	Distance (feet)	PPV (in/sec)	Freq (Hz)	AO (dB)	PPV (in/sec)	Freq (Hz)	AO (dB)	Difference in PPV Values	Difference in Freq Values	Difference in AO dB Values	Com-plaints?	#	Primary direction of complaints (from quarry)	Wind Direc-tion	Wind Speed (mph)	Wind Gusts (mph)	Press-ure (in)	Humi-dity (%)	Condi-tions	Precip-itation	Temp. (°F)
7/2/2026	46205.4028	45	north	5324 W. Drexel Ave.	3,779	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
7/2/2026	46205.3972	45	north	7301 S 51st Street	1,301	0.095	35.7	114	0.0800	36.5	104.9	0.0150	-0.8	9.1											
7/2/2026	46205.3972	45	north	7575 S. 51st St.	2,185	0.030	17.9	114																	
7/2/2026	46205.4028	45	north	7721 S. 51st St.	3,112	N/D	N/D	N/D																	
7/9/2026	46212.4667	46	south	5324 W. Drexel Ave.	860	0.170	29.4	110	0.1525	46.5	100.0	0.0175	-17.1	10.0	yes	2	south	W	6	none	29.11	60	mostly cloudy	none	83
7/9/2026	46212.4653	46	south	7301 S 51st Street	3,339	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											
7/9/2026	46212.4667	46	south	7575 S. 51st St.	1,881	0.070	15.6	108																	
7/9/2026	46212.4667	46	south	7721 S. 51st St.	1,394	0.128	33.3	109																	
7/10/2026	46213.4375	47	north	5324 W. Drexel Ave.	3,974	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
7/10/2026	46213.4375	47	north	7301 S 51st Street	1,085	0.148	12.5	107	0.1350	42.6	102.8	0.0125	-30.1	4.2											
7/10/2026	46213.4375	47	north	7575 S. 51st St.	2,230	0.048	21.7	113																	
7/10/2026	46213.4375	47	north	7721 S. 51st St.	3,215	N/D	N/D	N/D																	
7/15/2026	46218.4167	48	north	5324 W. Drexel Ave.	3,785	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
7/15/2026	46218.4174	48	north	7301 S 51st Street	1,376	0.073	25.0	115	0.0675	36.5	108.4	0.0050	-11.5	6.6											
7/15/2026	46218.4167	48	north	7575 S. 51st St.	2,231	N/D	N/D	N/D																	
7/15/2026	46218.4167	48	north	7721 S. 51st St.	3,144	N/D	N/D	N/D																	
7/17/2026	46220.3958	49	north	5324 W. Drexel Ave.	3,886	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
7/17/2026	46220.3944	49	north	7301 S 51st Street	1,374	0.073	55.6	110	0.0675	36.5	108.4	0.0050	19.1	1.6											
7/17/2026	46220.3958	49	north	7575 S. 51st St.	2,311	N/D	N/D	N/D																	
7/17/2026	46220.3958	49	south	7721 S. 51st St.	3,235	N/D	N/D	N/D																	
7/23/2026	46226.5243	50	south	5324 W. Drexel Ave.	1,447	0.125	35.7	111	0.0875	46.5	100.0	0.0375	-10.8	11.0	no										
7/23/2026	46226.5208	50	south	7301 S 51st Street	2,719	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											
7/23/2026	46226.5243	50	south	7575 S. 51st St.	1,434	0.073	20.8	107																	
7/23/2026	46226.5243	50	south	7721 S. 51st St.	1,361	0.108	38.5	108																	
7/23/2026	46226.5243	51	north	5324 W. Drexel Ave.	4,070	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
7/23/2026	46226.5271	51	north	7301 S 51st Street	1,193	0.115	26.3	109	0.0875	46.5	107.5	0.0275	-20.2	1.5											
7/23/2026	46226.5243	51	north	7575 S. 51st St.	2,358	N/D	N/D	N/D																	
7/23/2026	46226.5243	51	north	7721 S. 51st St.	3,336	N/D	N/D	N/D																	
7/29/2026	46232.4965	52	north	5324 W. Drexel Ave.	3,881	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no										
7/29/2026	46232.4972	52	north	7301 S 51st Street	1,300	0.105	33.3	108	0.0850	42.6	107.0	0.0200	-9.3	1.0											
7/29/2026	46232.4972	52	north	7575 S. 51st St.	2,266	0.030	15.2	112																	
7/29/2026	46232.4965	52	north	7721 S. 51st St.	3,204	N/D	N/D	N/D																	
8/4/2026	46238.5528	53	south	5324 W. Drexel Ave.	1,317	0.085	31.3	114	0.0825	42.6	106.0	0.0025	-11.3	8.0	no										
8/4/2026	46238.5521	53	south	7301 S 51st Street	2,840	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--											
8/4/2026	46238.5528	53	south	7575 S. 51st St.	1,502	0.0825	35.7	111																	
8/4/2026	46238.5528	53	south	7721 S. 51st St.	1,327	0.0975	20	111																	
8/7/2026	46241.5035	54	north	5324 W. Drexel Ave.	3,785	0.04	10.9	110	0.0425	12.1	101.0	-0.0025	-1.2	9.0	no										
8/7/2026	46241.5035	54	north	7301 S 51st Street	1,376	0.0725	41.7	119	0.0525	42.6	112.0	0.0200	-0.9	7.0											
8/7/2026	46241.5035	54	north	7575 S. 51st St.	2,231	0.0425	17.9	120																	
8/7/2026	46241.5035	54	north	7721 S. 51st St.	3,144	0.0325	12.8	115																	
8/14/2026	46248.4653	55	north	5324 W. Drexel Ave.	3,792	0.0375	9.1	109	N/D	N/D	N/D	--	--	--	no										
8/14/2026	46248.4653	55	north	7301 S 51st Street	1,450	0.0675	31.3	110	0.0600	32.0	101.9	0.0075	-0.7	8.1											
8/14/2026	46248.4653	55	north	7575 S. 51st St.	2,279	0.03	12.8	115																	
8/14/2026	46248.4653	55	north	7721 S. 51st St.	3,178	0.035	9.6	113																	
8/19/2026	46253.484	56	south	5324 W. Drexel Ave.	2,012	0.035	12.2	108	0.0375	21.3	97.5	-0.0025	-9.1	10.5	no										
8/19/2026	46253.484	56	south	7301 S 51st Street	1,973	0.0475	50	113	N/D	N/D	N/D	--	--	--											
8/19/2026	46253.484	56	south	7575 S. 51st St.	601	0.23	33.3	113																	
8/19/2026	46253.484	56	south	7721 S. 51st St.	1,150	0.0725	31.3	109																	
8/21/2026	46255.4215	57	south	5324 W. Drexel Ave.	1,896	0.03	29.4	108	N/D	N/D	N/D	--	--	--	no										
8/21/2026	46255.4215	57	south	7301 S 51st Street	2,091	0.0375	45.5	105	N/D	N/D	N/D	--	--	--											

Payne & Dolan Blast Monitoring Data									Stantec Blast Monitoring Data			Comparison of P&D and Stantec Monitoring Data			Complaint Information			Weather (for complaints only)																
Date	Time	Activity Number	General Quarry Blast Location	Monitor Location	Distance (feet)	PPV (in/sec)	Freq (Hz)	AO (dB)	PPV (in/sec)	Freq (Hz)	AO (dB)	Difference in PPV Values	Difference in Freq Values	Difference in AO dB Values	Com-plaints?	#	Primary direction of complaints (from quarry)	Wind Direc-tion	Wind Speed (mph)	Wind Gusts (mph)	Press-ure (in)	Humi-dity (%)	Condi-tions	Precip-itation	Temp. (°F)									
8/21/2026	46255.4215	57	south	7575 S. 51st St.	695	0.1775	31.3	109							no																			
8/21/2026	46255.4215	57	south	7721 S. 51st St.	1,104	0.065	27.8	110																										
9/9/2026	46274.4958	58	north	5324 W. Drexel Ave.	3,805	0.03	8.6	106	N/D	N/D	N/D	--	--	--																				
9/9/2026	46274.4958	58	north	7301 S 51st Street	1,623	0.0825	29.4	117	0.0650	34.1	106.0	0.0175	-4.7	11.0																				
9/9/2026	46274.4958	58	north	7575 S. 51st St.	2389	N/D	N/D	N/D																										
9/9/2026	46274.4958	58	north	7721 S. 51st St.	3,253	N/D	N/D	N/D							no																			
9/16/2026	46281.4681	59	central	5324 W. Drexel Ave.	1,782	0.055	23.8	109	0.0550	36.5	100.0	0.0000	-12.7	9.0																				
9/16/2026	46281.4674	59	central	7301 S 51st Street	2,210	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--																				
9/16/2026	46281.4681	59	central	7575 S. 51st St.	799	0.155	26.3	109																										
9/16/2026	46281.4681	59	central	7721 S. 51st St.	1,072	0.1125	27.8	110																										
9/17/2026	46282.4431	60	south	5324 W. Drexel Ave.	1,351	0.105	45.5	107	0.1225	36.5	97.5	-0.0175	9.0	9.5	no																			
9/17/2026	46282.4431	60	south	7301 S 51st Street	2,784	0.025	31.3	99	N/D	N/D	N/D	--	--	--																				
9/17/2026	46282.4431	60	south	7575 S. 51st St.	1,443	0.0925	14.7	105																										
9/17/2026	46282.4431	60	south	7721 S. 51st St.	1,296	0.145	38.5	106																										
9/17/2026	46282.5847	61	south	5324 W. Drexel Ave.	1,445	0.0725	15.6	109	0.0700	19.6	97.5	0.0025	-4.0	11.5																				
9/17/2026	46282.5847	61	south	7301 S 51st Street	2,660	0.03	35.7	104	N/D	N/D	N/D	--	--	--	no																			
9/17/2026	46282.5847	61	south	7575 S. 51st St.	1,330	0.1375	26.3	109																										
9/17/2026	46282.5847	61	south	7721 S. 51st St.	1,261	0.1525	38.5	110																										
9/18/2026	46283.5111	62	south	5324 W. Drexel Ave.	1,494	0.085	38.5	111	0.0700	39.3	98.8	0.0150	-0.8	12.2																				
9/18/2026	46283.5111	62	south	7301 S 51st Street	2,802	0.0275	27.8	102	N/D	N/D	N/D	--	--	--																				
9/18/2026	46283.5104	62	south	7575 S. 51st St.	1600	0.1175	33.3	106							yes	1	unknown (confidential)	E	20	none	29.57	64	mostly cloudy	none	59									
9/18/2026	46283.5111	62	south	7721 S. 51st St.	1,539	0.0975	26.3	111																										
9/22/2026	46287.4479	63	south	5324 W. Drexel Ave.	1,553	0.065	33.3	112	0.0600	32.0	100.0	0.0050	1.3	12.0																				
9/22/2026	46287.4479	63	south	7301 S 51st Street	2,604	0.0250	12.8	104	N/D	N/D	N/D	--	--	--																				
9/22/2026	46287.4479	63	south	7575 S. 51st St.	1,356	0.088	26.3	114																										
9/22/2026	46287.4479	63	south	7721 S. 51st St.	1,371	0.063	29.4	116							no																			
9/23/2026	46288.4382	64	central	5324 W. Drexel Ave.	2,080	0.0550	31.3	106	0.0425	30.1	94.0	0.0125	1.2	12.0																				
9/23/2026	46288.4382	64	central	7301 S 51st Street	1,925	0.063	41.7	110	0.0450	39.3	100.0	0.0175	2.4	10.0																				
9/23/2026	46288.4382	64	central	7575 S. 51st St.	742	0.2150	16.1	110																										
9/23/2026	46288.4382	64	central	7721 S. 51st St.	1,314	0.0900	13.2	108																										
9/25/2026	46290.3958	65	central	5324 W. Drexel Ave.	2,193	N/D	N/D	N/D	N/D	N/D	N/D	--	--	--	no																			
9/25/2026	46290.3958	65	central	7301 S 51st Street	1,804	0.0500	41.7	109	N/D	N/D	N/D	--	--	--																				
9/25/2026	46290.3958	65	central	7575 S. 51st St.	677	0.1975	38.5	112																										
9/25/2026	46290.3958	65	central	7721 S. 51st St.	1,363	0.0700	33.3	112																										
9/25/2026	46290.5	66	south	5324 W. Drexel Ave.	1,457	0.095	27.8	105	0.0700	30.1	95.9	0.0250	-2.3	9.1																				
9/25/2026	46290.5	66	south	7301 S 51st Street	2,546	0.0275	27.8	111	N/D	N/D	N/D	--	--	--	no																			
9/25/2026	46290.5	66	south	7575 S. 51st St.	1,073	0.143	27.8	110																										
9/25/2026	46290.5	66	south	7721 S. 51st St.	995	0.150	29.4	110																										
9/29/2026	46294.5313	67	south	5324 W. Drexel Ave.	1,448	0.0700	41.7	108	0.0725	32.0	101.0	-0.0025	9.7	7.0																				
9/29/2026	46294.5313	67	south	7301 S 51st Street	2,572	0.020	13.2	111	N/D	N/D	N/D	--	--	--																				
9/29/2026	46294.5313	67	south	7575 S. 51st St.	1,136	0.0925	29.4	115							no																			
9/29/2026	46294.5313	67	south	7721 S. 51st St.	1,060	0.1875	33.3	111																										
Totals														2												3								

Notes:

Shaded cells do not have a meter in that location
N/D = not detected, meter did not detect blast

Figure 1 Seismic Monitoring, Blasting, and Complaint Locations, 3rd Quarter 2026



Figure No.
1

Title
Seismic Monitoring, Blasting, and Complaint Locations - 3rdQuarter 2026

Client/Project
City of Franklin
Vicinity of Payne and Dolan Quarry

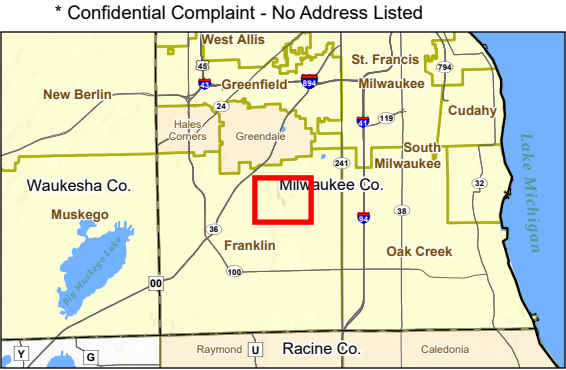
Project Location
C. of Franklin, Milwaukee Co., WI

193712004

Prepared by AIS on 2026-10-06
TR by DG on 2026-10-06
IR by KGI on 2026-10-06



- Legend
- Seismic Monitoring Location
- (A) Vibra-Tech(VT1) and Stantec(S1)
 - (B) Vibra-Tech(VT2)
 - (C) Vibra-Tech(VT3)
 - (D) Vibra-Tech(VT4)and Stantec(S2)
 - Non-complaint Blast Location
- Complaint Blast Location
- Blast #46
 - Blast #63*
- Address Specific Blast Complaint
- Blast #46



Notes1. Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet2. Data Sources: Stantec, SCO, WDNR, WisDOT3. Orthophotography: 2024 Milwaukee Co





TO: Quarry Monitoring Committee

FROM: Régulo Martínez-Montilva, AICP, CNUa, Planning Manager
Planning Department

DATE: October 15, 2026

SUBJECT: **Quarry monitoring scope of services for calendar year 2027**

Ordinances 97-1456 and 97-1457 state that “The Operator shall be responsible to the City for all reasonable actual costs incurred by the City in the monitoring of Operator’s operations”. These ordinances allow for adjustments based on the Consumer Price Index, All Urban Consumers (CPI-U). The last adjustment was for the 2024 budget, the adjustment for the 2027 budget is from \$55,000 to \$60,600 (CPI-U, from May 2023 to May 2026).

Because the 2027 city budget had not been approved by the Common Council when this meeting packet was prepared, two options are being presented:

1. No budget adjustment: \$55,000.
2. Adjusted budget: \$60,600.

ATTACHMENT A - QUARRY MONITORING SERVICES

SCOPE OF WORK AND ASSOCIATED COST (PREPARED SEPTEMBER 28, 2026)

The following scope of work items, each with their own associated professional fee, is offered to the City by Stantec for calendar year 2027.

DESCRIPTION	EVENT PERIOD	COST PER EVENT	# OF EVENTS	SUBTOTAL	NOTES REGARDING SCOPE OF SERVICES
Operations Monitoring	daily	\$970	12	\$11,640	Visual assessments around quarry perimeter, concentrating on Rawson Avenue adjacent to the quarry entrances. Will include weather data as part of observation summary, along with photos and short duration videos during periods of high winds. A percentage of the visits will also include on-site observations and records review.
Blast Monitoring	monthly	\$2,215	12	\$26,580	Stantec will provide remote vibration monitoring by using Nomis Seismographs. We plan to subcontract Sauls Seismic to assist with this scope of work. Two separate seismographs will be installed, each co-located with two existing Payne & Dolan (Vibra-Tech) monitors located at: 7301 S. 51 st Street and 5324 W. Drexel Avenue. Each monitor will be provided with an enclosure and will either be pole mounted or located in a short-stack weatherproof enclosure. Power will be provided via an internal battery and an external battery connected to a solar panel. All maintenance/repair and annual calibration of seismographs are included. This type of configuration will provide continuous (24/7) remote monitoring (except during calibrations & maintenance actions), allowing Stantec to have access to data anytime via the Internet. No written reports or summaries will be provided monthly.
Exceptional Blast Complaint Evaluation	Per City request	\$1,200	0	\$0	For unusual blast events (e.g., resulting in multiple complaints), at the City's request, Stantec will prepare a brief summary report describing: seismic data from both Stantec/Payne & Dolan placed monitors; wind direction and speed the day of the complaint, a figure showing blast and complaint locations. (Note: For each exceptional blast complaint evaluation completed, Stantec will reduce one single Operational Monitoring event)
Quarterly Reports and Presentation	Quarterly (May, August, November 2027, and February 2028)	\$4,195	4	\$16,780	Stantec will prepare a quarterly report (to be distributed/presented as part of the regularly scheduled Quarry Monitoring Committee meetings) describing: • Operations monitoring completed in prior quarter • Blast monitoring completed in prior quarter (summary of blasting data, comparing the Payne & Dolan unit recordings, to the Stantec unit recordings) • Citizen complaints received by the City of Franklin in prior quarter ○ For off-site dust complaints ▪ weather conditions (wind direction and speed) the day of the complaint ○ For off-site seismic complaints ▪ seismic data from both Stantec and Payne & Dolan placed monitors ▪ weather conditions (wind direction and speed; temp.; humidity; precipitation) the day of the complaint ▪ a figure showing locations of blasts along with location of complaints ▪ a short summary of the nature of any complaints The quarterly report and presentation in February 2028 will also present highlights of the operations, blast monitoring, and complaint evaluations, completed during calendar year 2027. This annual report is not meant to repeat what has already been provided in the prior quarterly reports; rather, it is intended to be a brief summary.

\$55,000 TOTAL (compared to budget: \$55,000)

Note: Stantec has completed no Exceptional Blast Complaint Evaluations in several years. In addition, based on prior years Stantec is estimating approximately 25 different blasts will result in complaints needing to be evaluated as part of the quarterly reports and presentations. Stantec agrees to be flexible with the City regarding this scope of work as the year progresses as the actual number of events are determined, and agrees not to exceed the approved budget without prior approval.

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\$60,600 TOTAL (compared to budget: \$60,600)

Note: Stantec has completed no Exceptional Blast Complaint Evaluations in several years. In addition, based on prior years Stantec is estimating approximately 25 different blasts will result in complaints needing to be evaluated as part of the quarterly reports and presentations. Stantec agrees to be flexible with the City regarding this scope of work as the year progresses as the actual number of events are determined, and agrees not to exceed the approved budget without prior approval.