

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT BIDDING COMMITTEE
2022**

**BID # 2022 – 1
AGGREGATE AND ROCK MATERIALS**

**PLEASE CONTACT JESSICA HORAN-KUNCO WITH QUESTIONS
AT JHKUNCO@ERIEAREACOG.ORG
OR (814) 454-1770**

PROPOSAL FROM:

COMPANY: CARMEUSE LIME & STONE

ADDRESS: 11 STANWIX ST. 21ST FLOOR

PITTSBURGH, PA 15222

CONTACT NAME: KATRINA MULLEN

PHONE #: 814-323-7664

E-MAIL: KATRINA.MULLEN@CARMEUSE.COM

DATE: 3/30/22

ERIE AREA COUNCIL OF GOVERNMENTS

150 East Front Street · Suite 300 · Erie, PA 16507
Phone (814) 454-1770 · Email jhkunco@erieareacog.org

TO: ALL PROSPECTIVE BIDDERS

FROM: EACOG'S JOINT MUNICIPAL BIDDING COMMITTEE

SUBJECT: SOLICITATION OF BIDS -- AGGREGATE AND ROCK MATERIALS

DATE: March 23, 2022

Sealed proposals will be received by the Erie Area Council of Governments Joint Municipal Bidding Committee, acting on behalf of the City of Erie, the Boroughs of Albion, Cranesville, Edinboro, Girard, Union City, and Wesleyville, the Townships of Amity, Fairview, Franklin, Girard, Greene, Greenfield, Harborcreek, Lawrence Park, LeBoeuf, Millcreek, North East, Summit, Union and Venango. Proposals must be enclosed in a sealed envelope addressed to the Erie Area Council of Governments Joint Municipal Bidding Committee, and should bear the name and address of the bidder and the item or items which are bid on the exterior of the sealed envelope.

Bids may be mailed, dropped off or delivered until 10:00AM Thursday, April 7, 2022 to:
Erie Area Council of Governments
150 East Front St. Ste 300
Erie, PA 16507

Do not submit any bids via website, e-mail, or to Harborcreek Township.

***All bids submitted shall be opened and read aloud on April 7, 2022 at 1:00 pm at the Harborcreek Township Building
5601 Buffalo Rd.
Harborcreek, PA 16421***

Items and services for which bids will be received include:

Aggregate and Rock Materials

The role of the EACOG'S Joint Municipal Bidding Committee is to combine the participating municipality's anticipated annual material requirement, to agree on a standard bidding specifications acceptable to all participating municipalities and to seek competitive bids for all items jointly, in an effort to receive a lower, more equitable price for all participating local governments. **Each municipality reserves the right to reject any and all bids.**

If you have any question regarding the enclosed bidding specification/procedures, please contact Jessica Horan-Kunco, Executive Director at 814-454-1770 or jhkunco@erieareacog.org.

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE**

INSTRUCTIONS TO BIDDERS

ARTICLE I - DEFINITIONS

Wherever used in these contract documents or specifications, the following terms shall have the meanings indicated and shall be applicable to both the singular and plural thereof:

Bidder - Any person, firm, or corporation submitting a bid.

Contract - The signed written agreement between the Owner and the Contractor covering the materials, supplies, equipment, product and/or services to be purchased.

Contract Date - The effective date of the beginning of the Contract time. Such date to be in accord with Article IX and to be indicated by the Owner in the notice of award.

Contract Documents - The contract documents shall consist of the advertisement for bids or notice to bidders; bid security; performance bonds; instructions to bidders; form of proposal; the Contract, the general and special conditions of contract; and the detail specifications, including all modifications thereof incorporated in any of the documents before the execution of the Contract.

Contract Term - The calendar period stated in the Contract and/or Form of Proposal for the completion of the project and/or Contract as specified.

Contractor - The person, firm, or corporation with whom the Owner has executed the Contract.

Form of Proposal - The offer or proposal of the bidder submitted on the prescribed form setting forth the prices for the material and/or services to be furnished.

Modification - Any written amendment of any of the contract documents (including change orders) duly executed and delivered after executions of the Contract.

Notice - Written notice shall be deemed to have been duly served if delivered in person or electronically via email or website download to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or to an authorized representative of such individual, firm or corporation.

Number - The singular shall be deemed to include the plural, and the plural the singular, as the context may require and is the masculine gender.

Owner - During bidding procedures, the Owner shall be represented by the Erie Area Council of Governments Joint Municipal Bidding Committee. During the Bidder selection and contract terms selection, and after the finalization of the Contract with the individual Participants, the Owner shall generally be understood to be the Participants named in the contract document and/or each Contract.

Participants - Those current member municipalities of the Erie Area Council of Governments and other specified Municipalities, Municipal Authorities, and School districts participating in the Erie Area Council of Governments' Joint Municipal Bidding Program. These municipalities shall include the City of Erie; Boroughs of Albion, Cranesville, Edinboro, Girard, Union City and Wesleyville; the Townships of Amity, Fairview, Franklin, Girard, Greene, Greenfield, Harborcreek, Lawrence Park, LeBoeuf, Millcreek, North East, Summit, Union and Venango.

Security - Bid bond, performance bond, payment bond, certified check, and other instruments of security, furnished by the bidder and his surety in accordance with the contract documents.

ARTICLE II - AWARD, EXECUTION OF DOCUMENTS, DELIVERY OF BONDS

The award of the Contract, if it is awarded, will be to the lowest responsible Bidder whose qualifications indicate the award will be in the best interest of the Owner and whose proposal complies with all the prescribed requirements. No award will be made until the Owner has concluded such investigations as deemed necessary to establish the responsibility, qualifications and financial ability of the Bidder to complete the project or to provide the requested material, supplies, equipment, product and/or services to the satisfaction of the Owner, within the time prescribed. **The Owner reserves the right to reject the bid of any Bidder who does not pass such investigation to the Owner's satisfaction.**

The Owner reserves the right to reject any or all bids, in whole or part, and to waive any informality in bids received when such is in the best interest of the Owner and to reject the bid(s) of a Bidder who in the opinion of the Owner is not in a position to perform the Contract. Each municipality reserves the right to reject any bid, without jeopardizing the bid price to those municipalities who desire to award or accept the bid.

In analyzing bids, the Owner may take into consideration alternates and unit prices if requested by the Form of Proposal. The Owner will give the successful Bidder written notice of the award within sixty (60) day after the opening of the bids. The Owner shall be required to take the proper action to accept or reject the bids submitted with sixty (60) days of the bid opening.

Each municipality will execute its own Contract or purchase order with the successful Bidders and shall be liable only for supplies, equipment, material, product and/or services contracted for by itself. Each successful Bidder shall be required to invoice each participating municipality separately.

Upon notification and within ten (10) days of the execution of the contract documents and at the discretion of the municipality the vendor may be required to deliver a performance bond as security for the faithful performance of this Contract. The performance bond will be provided payable to the municipality. The performance bond shall be in the amount of fifty percent (50%) of the Contract amount based on the estimated quantities of the awarding municipality detailed elsewhere and the bidder's proposed price.

Failure of the successful Bidder to execute the contract documents and deliver any required security within ten days (10) of the notification of the award shall be just cause for the Owner to annul the award and declare the bid and any guarantee thereof forfeited.

The bid security of all Bidders except that of the two (2) apparent lowest Bidders will be returned within one (1) month of the bid opening. The bid security of the two (2) apparent lowest bidders will be returned upon finalization of the agreement with the successful Bidder.

ARTICLE III - REQUIREMENTS FOR SIGNING BIDS

Each bid must give the full business name and address of the Bidder and be signed by him with his usual signature. All bids shall be signed. Bids which are not signed by the individual making them, should have attached thereto a power-of-attorney evidencing authority to sign the bid in the name of the person for whom it is signed. Bids by partnership must furnish the full name of all partners and must be signed in the partnership name by all of the partners or by an attorney-in-fact.

If signed by an attorney-in-fact, there should be attached to the bid a power-of-attorney evidencing authority to sign the bid(s) executed by the partners. Bids by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the signature of the president or vice-president, or other officer of the corporation authorized to bind it in these matters; together with the impression of the corporate

seal, attested by the secretary of the corporation. When requested by the Owner, satisfactory evidence of the authority of the officer signing in behalf of the corporation shall be furnished.

ARTICLE IV - CERTIFIED STATEMENTS

Bidders may be required to submit sworn statements of their financial responsibility, technical qualifications, previous experience, performance record or other pertinent data designed to indicate the Bidder's capability to execute this Contract competently and successfully.

ARTICLE V - CHANGES WHILE BIDDING

During the bidding period, Bidders may be furnished with addenda for additions or alteration to the bidding specifications. These shall be included in the bid proposal and shall become a part of the contract documents. The Bidder shall be required to indicate the receipt of such addenda.

ARTICLE VI - WITHDRAWAL OF BIDS

Any Bidder may withdraw his bid at any time prior to the scheduled time for the receipt of bids. No bid may be withdrawn after the time and date set forth in the Notice to Bidders, which indicates when bids shall be opened. Negligence on the part of the Bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened.

ARTICLE VII - CONTRACT MODIFICATION

After the contract date, the EACOG members and joint bidding participants reserve the right to enter into a Contract with a successful Bidder--utilizing the initial or established bidding terms, conditions and prices--for any supplies, product, material, equipment and/or services that were included in the successful Bidders' initial joint bid proposal. This procedure will permit a participating municipality to fulfill its municipal code's purchasing regulations and furthermore allow a participating municipality to enter into a Contract with a successful Bidder, even though that municipality was not included in the initial bid request. This provision is not extended to municipalities that are neither EACOG members nor Joint Bidding participants, a list of eligible participants is included in the Special Conditions section.

If for any reason, the initial bidding specifications include or fail to include a minor and/or closely related requirement--that is desirable of the Owner to change, add to or delete from the awarded Contract--the Owner shall have the right, through the issuance of a change order and granting approval of the Contractor, to change, add to or delete from the Contract, such minor or closely related

requirements. (Examples of changes, additions or deletions of minor or closely related requirements shall include, but are not limited to--colors, sizes or accessory equipment).

ARTICLE VIII - VERBAL STATEMENTS

No verbal or oral interpretation of plans or specifications will be given before the award of the Contract. Discrepancies, omissions, or doubts as to the meaning of plans or specifications should be communicated to the Owner in writing for clarification. Any interpretation made will be in the form of an addendum to the specifications which will be forwarded to all Bidders by registered mail. See Article V.

ARTICLE IX - CONTRACT DURATION

Unless otherwise noted or specified, all Contracts shall commence with the Contract Date and expire on April 30, 2023 or on April 30th of subsequent years if extended. Those municipalities having Contracts for supplies, equipment, material, product and/or services whose term extends into the period covered by this Contract time will have the right to participate in a Contract with the successful Bidder as their individual obligations expire.

ARTICLE X - BIDS OR PROPOSALS

All bids must be indicated upon the Form of Proposal attached hereto. Bidders shall submit the completed bid documents either by mail, drop off or delivery. All proposals must be addressed as outlined in this document. The Bidders may bid on any or all items called for in the Form of Proposal; if an item or alternate is called for on a type of equipment or material or method on which the Bidder does not desire to bid, he may insert the words "No Bid" in the space provided for prices on such item(s) or alternate(s). If it is determined by the Owner to use alternate type of equipment, type of material, or method--the fact that the cost of an alternative type of equipment, material or method bid by a Bidder may be lower than that chosen, shall not constitute the basis or a claim by the Bidder that the Contract shall be awarded to him. In the case that a Bidder desires to bid on an alternate, he shall set forth in the space provided in the Form of Proposal the explanation and amount to be added or deducted from the base bid. If an alternate price called for does not involve a change in price, the Bidder shall so indicate by inserting the words "No Change" in the space provided. If any type of discount is offered by the Bidder for prompt payment of bills or other consideration, such may also be set forth on the Form of Proposal.

Erasures or changes in a bid must be explained or noted over the signature of the Bidder. Bids containing any conditions, omissions, unexplained erasures or alterations or items not called for in the

proposal or irregularities of any kind, may be rejected by the Owner as being incomplete.

Bids shall be accompanied by **bid security** as provided in the Special Conditions section.

ARTICLE XI - DEVIATIONS/ ALTERNATE PROPOSALS

Bidders desiring to submit proposals on materials, supplies, product, equipment and/or services in substantial conformance to these specifications but not meeting some details of the specifications exactly, shall list the specific deviations in the space provided in the Alternative Proposal section of the Form of Proposal. Bidders should be aware that such a bid will be thoroughly evaluated but that it also will be considered as an alternate bid within the meaning of Article X and, therefore, the Owner does not obligate itself to award the Contract to such a Bidder although this bid price may be lower than the lowest bid in conformance with these Specifications. The Owner reserves the right to decide which bid most nearly meets the intent of these Specifications.

ARTICLE XII - BIDDERS'S RESPONSIBILITY

Each Bidder is required to familiarize himself with all of the attached forms, including but not necessarily limited to Notice to Bidders, Instructions to Bidders, Contract Form, Notice of Award, Special Conditions, Detail Specifications, and forms. Each Bidder will be held responsible to fully comply therewith. Each Bidder must acquaint himself thoroughly with the conditions under which materials, supplies, equipment, product and/or services shall be utilized.

ARTICLE XIII - QUANTITIES

The estimated quantities given in the Special Conditions are for bidding purposes only. **The estimated quantities are based on each municipality's estimated volume for the period. The Owner does not guarantee any given quantity.** The municipalities may purchase more or less than the estimated amounts, and the vendor may not assume that these estimates are a part of the Contract. The vendor shall be required to supply the participating municipalities on an as-needed basis, throughout the Contract duration.

ARTICLE XIV - TAXES

All bid prices are to be less Federal, State or local taxes except as required by law.

JOINT BIDDING SPECIFICATION
AGGREGATE, STONE AND ROCK MATERIALS

ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE

March 23, 2022

Administered by:

Erie Area Council of Governments
150 East Front St.
Suite 300
Erie, PA 16507
814-454-1770
jhkunco@erieareacog.org

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE**

**SPECIAL CONDITIONS
2022**

AGGREGATE and ROCK MATERIALS

General

Bids are requested for a variety of Aggregate and Rock Materials for the Townships of Fairview, Franklin, Girard, Greene, Greenfield, Harborcreek, Lawrence Park, Millcreek, Summit, Venango, and the Borough of Albion, Edinboro and Union City and the City of Erie with the same F.O.B. bid prices available to the following Erie Area Council of Government members: Amity Township, LeBoeuf Township, North East Township, Union Township, Cranesville Borough, Girard Borough and Wesleyville Borough. Prices submitted through this joint bid process are for these municipal participants only.

The lowest responsible bidder and the contract award shall be determined by each Municipality calculating the lowest, combined, hauled price for materials anticipated to be utilized by the Municipality during the contract time.

Bidders are to complete on the space provided in the Form of Proposals, the requested prices, for furnishing the materials specified in the Detailed Specifications for both pick-up and delivered, and a detailed explanation of Proposed Alternatives.

Proposed Alternative shall be evaluated as to its impact on the overall operation, performance, and completion of the work bid.

Each Municipality shall determine whether the proposed alternatives are acceptable or not.

All proposed alternatives shall be made in reference to the respective Detailed Specifications enclosed in this bid package. Bidders may include additional detailed documentation as an attachment.

AGGREGATE MATERIALS

Bids are requested for the each of the materials quoted per ton both F.O.B. loaded in municipal trucks and delivery prices where listed in the Form of Proposal delivered to the municipal locations listed.

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE**

**SPECIAL CONDITIONS
2022**

AGGREGATE and ROCK MATERIALS

The estimated, combined, yearly volume of Aggregate and Rock Materials required by the Municipalities is as follows:

<u>Aggregate, Rock and Stone Materials</u>	<u>Approximate Quantity in Tons</u>
Type C-Crushed Washed Stone AASHTO No. 57	4,000
AS 1 Anti-Skid Material	6,150
AS 3 Anti-Skid Material	5,500
B 19	960
# 67 Limestone	780
2 A stone	1000
Natural # 3 stone	275
#9 Limestone	20
2 A Stone	1000
2 A Limestone	500
2 B	570
MH 2A (4-11)	1320
2 RC bank gravel	11,963
R-4	300
#57 stone	600

MISCELLANEOUS PROVISIONS

Aggregate, Gravel and Stone Materials will be picked-up and loaded on Municipality owned or leased trucks at the successful bidders' pickup point, as needed, anytime after April 30, 2022. Please provide Point of Pick up address on the Form of Proposal page.

After award, each Municipality will issue a Purchase Order for loading material in a Municipality truck or for delivery. Material Safety Data Sheets are required. Municipalities choosing delivery will notify the vendor to schedule delivery dates.

The Municipalities normally will haul Aggregate, Gravel and Stone Materials from the source which is the lowest reasonable cost to the each Municipality after taking into consideration length of haul and dead haul.

However, in some instances, each Municipality may select the most economical source based upon other consideration, such as differences in haul time due to terrain or congestion; length of wait at the source; crew productivity based on truck availability and haul distance.

Details of such transactions shall be the responsibility of the respective Municipality, will be on file at their Municipal Office and are subject to review by any awarded vendor on this Contract.

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE**

**SPECIAL CONDITIONS
2022**

AGGREGATE and ROCK MATERIALS

Bid Security shall be 5% of the Total Bid Price in the form of a bid bond or certified check and made payable to the Erie Area Council of Governments.

The bidders shall be responsible for submitting bids that will conform to all existing Municipal, State and other Governmental Regulations, unless otherwise noted.

Each Municipality reserves the right to reject any or all Bids.

PERIOD OF CONTRACT

Resulting contract shall remain in effect until April 30, 2023. Each Municipality reserves the right to extend this contract for an additional one (1) year period provided the successful bidder submits a letter of intent sixty (60) days prior to the contract expiration date and bid prices remain in effect for the additional period.

Municipal Contact Information:

If you require Additional Information about specific products requested or deliveries, please contact:

Albion Borough: Gary Wells (814) 756-3660
City of Erie: Chuck Zysk (814) 870-1450
Edinboro Borough: Chris Motter (814) 923-3519
Fairview Township: Justin Pacansky (814) 474-5942
Franklin Township: Ramona Junkins (814) 734-3521
Girard Township: Jeff Ferrick (814) 860-1335
Greene Township: John Bartnicki (814) 825-3347
Greenfield Township: Renee Wagner (814) 725-9110
Harborcreek Township: Tim May (814) 899-3171
LeBoeuf Township: Catherine Wise (814) 796-4095
Lawrence Park: Cindy Jo Cunningham (814) 899-2305
Millcreek Township: John Sebesta (814) 833-1111
North East Township: Gus Neff (814) 725-8606
Summit Township: Mark Welka (814) 868-9686
Union City: Bob Phillips (814) 438-2331
Venango Township: Dean Curtis (814) 881-1179

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE**

2022

DETAILED SPECIFICATIONS

AGGREGATE AND ROCK MATERIALS

AGGREGATE, ANTI-SKID, GRAVEL, ROCK and STONE

PennDot Publication 408 (most current edition) approved materials are requested whenever possible**. Please note if the product you are proposing is not PennDot approved. Also please note in the Alternative Proposal section if you are proposing the use of an equivalent alternative material to a Penn Dot approved material. Please provide product information sheets with your bid.

****Note:**

In this proposal vendors are being asked to provide pricing for some materials specifically requested by participants that are not PennDot approved including MH 2A (4-11 crushed limestone) and B 19.

**ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE
FORM OF PROPOSAL
2022**

AGGREGATE, STONE and ROCK MATERIALS

I/We have investigated the availability of the specified materials and agree to furnish F.O.B. all the specified materials at the following prices:

	<u>UNIT PRICE PER TON PICKED-UP AND LOADED ON MUNICIPAL TRUCKS</u>
Type C-Crushed Washed Stone AASHTO No. 57	\$23.00
AS 1 Anti-Skid Material	
AS 3 Anti-Skid Material	
B 19	\$18.95
# 67 Limestone	\$23.25
2 A stone	\$18.95
Natural # 3 stone	
#9 Limestone	\$16.50
2 A Stone	\$18.95
2 A Limestone	\$18.95
2 B	
MH 2A (4-11)	\$19.25
2 RC bank gravel	
R-4	
#57 stone	\$23.00

*Point of Pick up 22 ORE DOCK RD; ERIE, PA 16507

Contact information for municipalities to place orders: SUPPLY PLANNING COORDINATOR
PHONE: 800-445-3930
EMAIL: SALESADMINREQUESTS@CARMEUSE.COM 11 STANWIX STREET, 21st FLOOR, PITTSBURGH, PA 15222

ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE
FORM OF PROPOSAL
2022

Optional Delivery Price per ton

Please provide a price per ton **delivered** for the materials in the white squares to the following designated locations:

<u>Material to be delivered to:</u>	<u>Albion Borough</u> 36 <u>Bessemer St.</u> 16401	<u>Fairview Twp</u> 7471 <u>McCray Fairview</u>	<u>Franklin Twp</u> 10411 Rt. 98 16412	<u>Girard Twp</u> 10140 <u>Ridge Rd.</u> 16417	<u>Harborcreek</u> 5601 <u>Buffalo Rd</u> 16421	<u>Millcreek</u> 3608 W. 26 th St. 16506	<u>Summit</u> 8900 <u>Old French</u> 16509	<u>Union City</u> 35 <u>Willow St</u> 16438
Type C crushed and washed # 57				\$30.00		\$27.75	\$29.25	
AS-1 Anti-skid	X	X	X		X		X	X
B-19				25.50				
#67 Limestone			28.75	30.25				
2A stone				25.50		23.65	24.90	
Natural # 3						X		
2 A Limestone			24.50					
2 B	30.25	28.25		29.80				24.75
MH 2A (4-11)	26.50	24.50		25.75				
2 RC Bank Gravel	X	X	X	X			X	X
R-4			X					

Correct

ERIE AREA COUNCIL OF GOVERNMENTS
JOINT MUNICIPAL BIDDING COMMITTEE

FORM OF PROPOSAL
2022

AGGREGATE, STONE and ROCK MATERIALS

Accompanying this Proposal is a certified check or bid bond (circle one) in the amount of 5% of amount bid dollars (\$) made payable to the Erie Area Council of Governments, Erie, Pennsylvania, which is agreed, shall be retained as liquidated damages by the Erie Area Council of Governments if the undersigned fails to execute a Contract in conformity with the Contract Documents and furnish any specified bonds within ten (10) days after notification of award of the Contract to the undersigned. It is agreed that this Proposal may not be withdrawn for a period of sixty (60) days from the opening thereof.

I/We hereby certify that I/we have read, understand, and agree to all the conditions outlined in the Solicitation of Bids, Instructions to Bidders, Special Conditions, Detail Specifications, and all other parts of the Document. I am/We are the only person(s) interested in the Proposal as principal(s). This Proposal is made without collusion with any person, firm or corporation.

Company CARMEUSE LIME & STONE

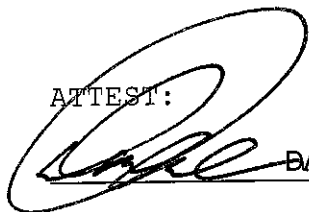
Address 11 STANWIX ST, 21ST FLOOR

PITTSBURGH, PA 15222

Phone 814-323-7664

Email KATRINA.MULLEN@CARMEUSE.COM

ATTEST:

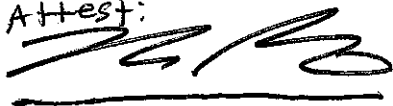


DANA BROOKS

INSIDE SALES ADMIN.

(Title)

Attest:



Assistant Secretary

Signed 

Name JONATHAN BRIGHT

(Type or Print)

Title VP - FINANCE

Date 3/30/22

* state of Incorporation: Pennsylvania

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Erie Sand & Gravel Co./O-N Minerals, Erie
Operation

2 East Bay Drive

Erie, PA 16507

SURETY:

(Name, legal status and principal place of business)

Atlantic Specialty Insurance Company

605 Highway 169 North, Suite 800

Plymouth, MN 55441

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

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

OWNER:

(Name, legal status and address)

Erie Area Council of Governments

150 East Front Street, Suite 300

Erie, PA 16507

BOND AMOUNT: \$ 5%

Five Percent of Amount Bid

PROJECT:

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

Bid #2022-1 Aggregate and Rock Materials

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 7th day of April, 2022

(Witness)


(Witness)

Erie Sand & Gravel Co./O-N Minerals, Erie Operation

(Principal)

(Seal)

By:

(Title)

Atlantic Specialty Insurance Company

(Surety)

(Seal)

By:

(Title) Jane M. Dew

Attorney-in-Fact





Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Margaret M Spalding, Kristin L Dixon, Kayla A. Woodward, Kevin McDaniel, DeAnna M. Maurer, Stephanie L. Klearman, Anne M. Gliedt, James R Dickson, Lauren Blair, Jane M Dew, Tamara Bowser**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **unlimited** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:


Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this twenty-seventh day of April, 2020.

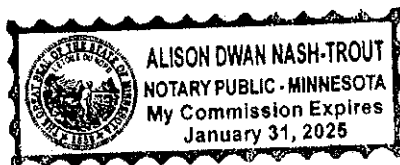
STATE OF MINNESOTA
HENNEPIN COUNTY

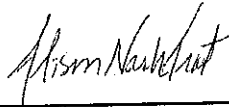


By


Paul J. Brehm, Senior Vice President

On this twenty-seventh day of April, 2020, before me personally came Paul J. Brehm, Senior Vice President of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, that he is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.





Notary Public

I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 7th day of April, 2022.

This Power of Attorney expires
January 31, 2025




Kara Barrow, Secretary

SEALED BID DOCUMENTS

**Erie Area Council of Governments
Joint Municipal Bidding Committee**

BID # 2022 – 1

AGGREGATE, STONE, AND ROCK MATERIALS

CARMEUSE LIME

**11 STANWIX ST. 21ST FLOOR
PITTSBURGH, PA 15222**

SEALED BID DOCUMENTS

**Erie Area Council of Governments
Joint Municipal Bidding Committee**

BID # 2022 – 1

AGGREGATE, STONE, AND ROCK MATERIALS

CARMEUSE LIME

**11 STANWIX ST. 21ST FLOOR
PITTSBURGH, PA 15222**

1. Identification

Product Name: Limestone

Synonyms:

#1 Grit,	Agg OGB Select Material	GFP270C,	Minn. Class 5s,
#3 Grit Coated,	Stone,	GFP7,	OGB,
#3 Grit,	Aggregate Limestone,	GPS 20,	OH-57,
#57 Washed Stone,	Agricultural Stone-Large,	GPS 325,	OH-67,
#57,	Agricultural Stone-Small,	Grade B,	OH-8,
#8's Limestone,	B-10,	Grade F,	OHIO #4,
100 mesh,	Blast Furnace Stone,	Granular A,	OHIO 57's,
100x0,	BOF Stone,	Granular M,	OHIO 8's,
12mx50m,	Calcite #1,	Ground Limestone,	PCC Limestone,
12x50,	Calcite 467,	Guideline Field Marker,	Pellet Flux,
16 m x 100 m,	Calcite 57/2B,	H1,	Pelletized Limestone,
16x100,	Calcite 8/1B,	H2,	Port Inld Screenings,
16x140M,	Calcite,	H3,	Premiacal - Grade F,
16x200,	Calcitic Aglime Dry,	Hi Cal Blast Furnace Stone,	Premiacal 16,
20x0,	Calcitic Aglime,	Hi Cal Fluxing Stone,	Premiacal 20,
20x200,	Camadil 76-325,	Hi Cal Large Sand,	Premiacal 22,
21AA,	Camadil 99-325,	Hi Cal Min. Filler 62/200-BK,	Premiacal 28,
23A,	CM 11,	Hi Cal Min. Filler 75/200-BK,	Premiacal 29,
2A Sub Base,	Commercial Aggregates,	Hi Cal Sinter Flux Stone,	Premiacal,
3" X 6",	Commercial Stone,	Hi Cal Stone,	Pro Pulverized,
5x9M,	Concrete Stone,	Hi Calcium Blast Furnace Flux,	Pro Select,
60x0,	Feed Grade Calcium Bulk,	High Calcium Limestone	Pulverized calcium carbonate,
62/200,	Feed grade HiCal,	HL-3,	Pulverized Limestone,
6AA,	FGD Limestone,	Intermediate Aggregate,	Rock Dust 101 (White),
75-200,	FGD Stone,	Large Fraction,	ROM Stone,
78/200,	G Chemical,	Lut 95-150m,	ROMF,
80/325,	GFP 101,	Manufactured Sand 3-32,	Rotary E2,
85-200,	GFP 101WO,	Manufactured Sand,	Sewer Stone,
8mx20m,	GFP 102 ,	MI-22A,	Sinter Stone,
8x20,	GFP 135,	MI-23A,	Soil Doctor,
90/325,	GFP 200C,	MI-25A,	TMG Hi Cal 325,
90-325,	GFP 250,	MI-31A,	Tri-County 8 Mesh Fertilizer
95-150M,	GFP 250C,	MI-6AA,	Filler,
Ag Lime,	GFP 3,	MI-6AAA,	Tuff Shell HiCal,
Agg #57 Stone,	GFP 325,	Mine Safety Dust,	VDOT Rockfill,
Agg 75,	GFP 60C,		W-10,
			York CA Chips,

Recommended Uses: Mineral filler, Manufacture of lime and lime related products, and aggregate

Manufacturer: Carmeuse Americas

US Office
11 Stanwix Street, 21st Floor
Pittsburgh, PA 15222
Phone: (412) 995-5500
Fax: (412) 995-5594

Canadian Office
PO Box 190
Ingersoll, ON N5C 3K5
Phone: (519) 423-6283
Fax: (519) 423-6545

Emergency Contact: Infotrac: (800) 535-5053 (24 hrs a day, 7 days a week)

2. Hazards Identification

**GHS
classification**

Physical Hazards

None

Health Hazards

Skin irritation

Category 3

Eye irritation

Category 2B

Carcinogenicity

Category 1A

Specific Target Organ Toxicity – Repeated Exposure

Category 1

**GHS Label
Elements:**

Signal Word:

Danger

Hazard

Causes mild skin irritation

Statements:

Causes eye irritation

May cause cancer through inhalation

Causes damage to lungs through prolonged or repeated exposure by inhalation

**Precautionary
Statements:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust.

Wash thoroughly after handling.

Use personal protective equipment as required

Do not eat, smoke or drink when using this product

Pictograms:



3. Composition

<u>Chemical name</u>	<u>% by weight</u>	<u>CAS#</u>
Calcium carbonate	90+	1317-65-3
Magnesium carbonate	< 5	546-93-0
Silica-crystalline quartz	< 2	14808-60-7

4. First Aid Measures

Eyes:	Flush victim's eyes thoroughly with large quantities of water, including under eye lids. Get medical attention if irritation persists.
Skin:	Remove dusty clothing. Wash skin thoroughly with soap and water. Launder clothing before re-use. Get medical attention if irritation persists.
Ingestion:	Get medical attention if a large amount is swallowed.
Inhalation:	Remove victim to fresh air. If symptoms persist or breathing is difficult, get medical attention.
Most Important Symptoms:	Eye and respiratory irritation due to exposure to dust.
Immediate medical attention / special treatment?	No immediate medical attention anticipated.

5. Fire Fighting Measures

Suitable (and unsuitable) fire extinguishing media:	Use extinguishing media appropriate for surrounding conditions.
Specific hazards arising from the product	Decomposes at 950 °C to produce calcium oxide and magnesium oxide.
Special protective equipment and precautions for fire fighters	Dust that becomes wet may cause surfaces to be extremely slippery and cause a slip hazard.

6. Accidental Release Measures

Personal precautions, protective equipment, emergency procedures:

Avoid eye and skin contact. Avoid generating airborne dust. Wear appropriate clothing to prevent skin contact. Wearing of standard SCBA should be adequate to protect against inhalation of dust.

Methods and materials for containment and clean up:

Utilize cleanup methods that minimize generating dust: vacuum. Avoid dry sweeping. Water may be used to control dust, but wet dust can be very slippery and result in a slip hazard. Residue on surfaces may be removed with water or vinegar.

7. Handling & Storage

Safe Handling:	Avoid skin and eye contact. Avoid generating airborne dust. An eye wash station should be readily available when this product is handled.
Safe Storage:	Store in dry, well ventilated areas, away from incompatible materials.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits

	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)	Ont. Reg. 833 TWAEV (mg/m ³)
Calcium carbonate	15 5 (respirable)	10	10
Magnesium carbonate	15 5 (respirable)	10	10
Silica, <i>crystalline quartz</i> , <i>crystalite and tridymite</i>	0.05 (respirable)	0.025 (respirable)	0.1

Engineering Controls:

Use with adequate general or local exhaust ventilation and to maintain exposure below occupational exposure limits.

Individual Protection Measures (Personal Protective Equipment):

Specific Eye / Face Protection:

In windy conditions, or if work activity generates elevated airborne dust levels, dust proof or chemical goggles are recommended.

Specific Skin Protection:

When prolonged skin contact is likely to occur, wear appropriate clothing and gloves.

Specific Respiratory Protection:

If exposure limits are exceeded, an approved particulate respirator, or supplied air respirator, appropriate for the airborne concentrations, should be used. Selection and use of the respiratory protective equipment must be in accordance with applicable regulations and good industrial hygiene practices.

9. Physical & Chemical Properties

Appearance:	Solid, white or grey powder or stone
Odor:	Odorless
Odor threshold:	Not Applicable
pH:	9.4 in saturated water solution at 25 °C (77 °F)
Melting Point/Freezing Point:	950 °C (1742 °F)
Boiling Point and range:	2850 °C (5162 °F)
Flash Point:	Not Applicable
Evaporation Rate:	Not Applicable
Flammability:	Not Available
Upper/lower flammability or explosive limits	Not Applicable
Vapor pressure/density:	Non Volatile

Relative density:	2.7
Solubility:	Slightly soluble in water: 0.013 g/L at 18 °C
Partition coefficient: n-octanol/water	Not Applicable
Auto-ignition temperature:	Not Available
Decomposition temperature:	950 °C (1742 °F)
Viscosity:	Not Applicable

10. Stability & Reactivity

Reactivity:	Dissolves in hydrofluoric acid, producing corrosive silicon tetrafluoride gas. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.
Chemical stability:	Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Extremely high or low temperatures. Incompatible materials.
Incompatibility:	Hydrofluoric acid. Strong oxidizers.
Hazardous decomposition products:	Calcium oxide.

11. Toxicological Information

Likely routes of exposure & symptoms:

Eyes:	Exposure to pulverized dust may cause irritation
Skin:	Exposure to pulverized dust may cause dryness and irritation
Ingestion:	No adverse effects expected for normal, incidental ingestion. If a large amount is swallowed, may cause gastrointestinal irritation, discomfort and blockage.
Inhalation:	Exposure to pulverized dust may cause irritation in nose, throat and lungs
Chronic health effects:	This product contains trace amounts of crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica can cause silicosis, as serious lung disease.
Respiratory or skin sensitization:	This material is not known to cause sensitization
Germ cell mutagenicity:	No data available.

Limestone

Revision date:
July 11, 2019

Carcinogenicity:	This product is not listed as carcinogenic by OSHA, IARC, NTP, ACGIH, or the EU Directives. This product may contain trace amounts of crystalline silica quartz which is listed by IARC as "Carcinogenic to Humans" (Group 1) and "Known to be a Human Carcinogen" by NTP.
Reproductive toxicity:	No Data Available.
Numerical Measures of Toxicity	Crystalline Silica: Oral Rate LD ₅₀ > 22,500 mg/kg

12. Ecological Information

Because of the elevated pH of this product, it might be expected to produce some ecotoxicity upon exposure to certain aquatic organisms and aquatic systems in high concentrations. This material shows no bioaccumulation effect or food chain concentration toxicity.

13. Disposal Considerations

Dispose of contents in accordance with federal, state, provincial and local regulations.

14. Transport Information

This product is not classified as a hazardous material under US DOT or Canadian TDG regulations.

15. Regulatory Information

CERCLA Hazardous Substances	Not listed
SARA Toxic Chemical (40 CFR 372.65)	Not listed
SARA Section 302 Extremely Hazardous Substances (40 CFR 355)	Not listed
SARA 311/312	Not listed
SARA Section 313 Toxic Chemicals reporting requirements	none
Threshold planning quantity (TPQ)	Not listed
RCRA Hazardous Waste Classification (40 CFR 261)	Not Classified
EPA Toxic Substances Control Act (TSCA) Status	The components of this product are each listed on the TSCA Inventory List in the "active" status.
California Proposition 65	Airborne crystalline silica particulates of respirable size are known to the State of California to cause cancer.
NFPA ratings	Health: 1 Fire: 0 Reactivity: 0
HMIS Ratings	Health: 1 Fire: 0 Reactivity: 0 Personal protection: A
OSHA Specifically regulated substance (29 CFR 1910)	Not listed
OSHA Air contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A)	Listed
MSHA	Not listed

Canada DSL

Listed

Canadian WHMIS Classification

D2A, Materials Causing other toxic effects.



Canada CPR

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation of Canada and this SDS contains all the required information.

16. Other Information

List of GHS Hazard Statements:	H316: Causes mild skin irritation H320: Causes eye irritation H350: May cause cancer by inhalation H372: Causes damage to lungs through prolonged or repeated exposure by inhalation.
---------------------------------------	--

List of GHS Precautionary Statements:	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P281: Use personal protective equipment as required
--	---

Abbreviations

CERCLA	Comprehensive Environmental Response, Compensation and Liability Act	RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act	IARC	International Agency for Research on Cancer
NTP	National Toxicology Program		

The information contained herein is believed to be accurate and reliable as of the date hereof. However, Carmeuse makes no representation, warranty or guarantee as to results or as to the information's accuracy, reliability or completeness. Carmeuse has no liability for any loss or damage that may result from use of the information. Each user is responsible to review this information, satisfy itself as to the information's suitability and completeness, and circulate the information to its employees, customers and other appropriate third parties.

Laboratory Evaluation of
Construction Materials
Field Testing & Observation
Subsurface Investigations
Geotechnical Engineering

John H. Robinson Testing

1319 Sassafras Street
Erie, Pennsylvania 16501-1720
Telephone: 814.454.0195
Facsimile: 814.453.2020

Member: ASTM, ACI, ACIL
AAP AASHTO R18 Accredited
USACOE Validated

Date: March 17, 2022

Client: Erie Sand and Gravel - Carmeuse
22 Ore Dock Rd.
Erie, PA 16507

Attn: Alex Behnke

Re: (A57) # 57 Stone - CALAMIA14
Cedarville
Project No. 2022605001.007

Lab Ref.: A-22-0009

Received: 02-02-2022

Examined with the following results:

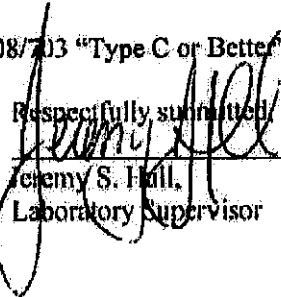
A. PTM 510 SULFATE SOUNDNESS, SODIUM ; 5 -CYCLE					
Pass	Ret. On	Std. Gdg.	Sample Weight	% Loss	Wtd. % Loss
1 1/2"	3/4"	36.8	1503.6 gm	0.19	0.07
3/4"	3/8"	36.9	1000.3 gm	0.22	0.08
3/8"	# 4	26.3	300.0 gm	0.73	0.19
		100.0	2803.9 gm		0.34

B. ASTM C-131 LOS ANGELES RATTLER, ABRASION

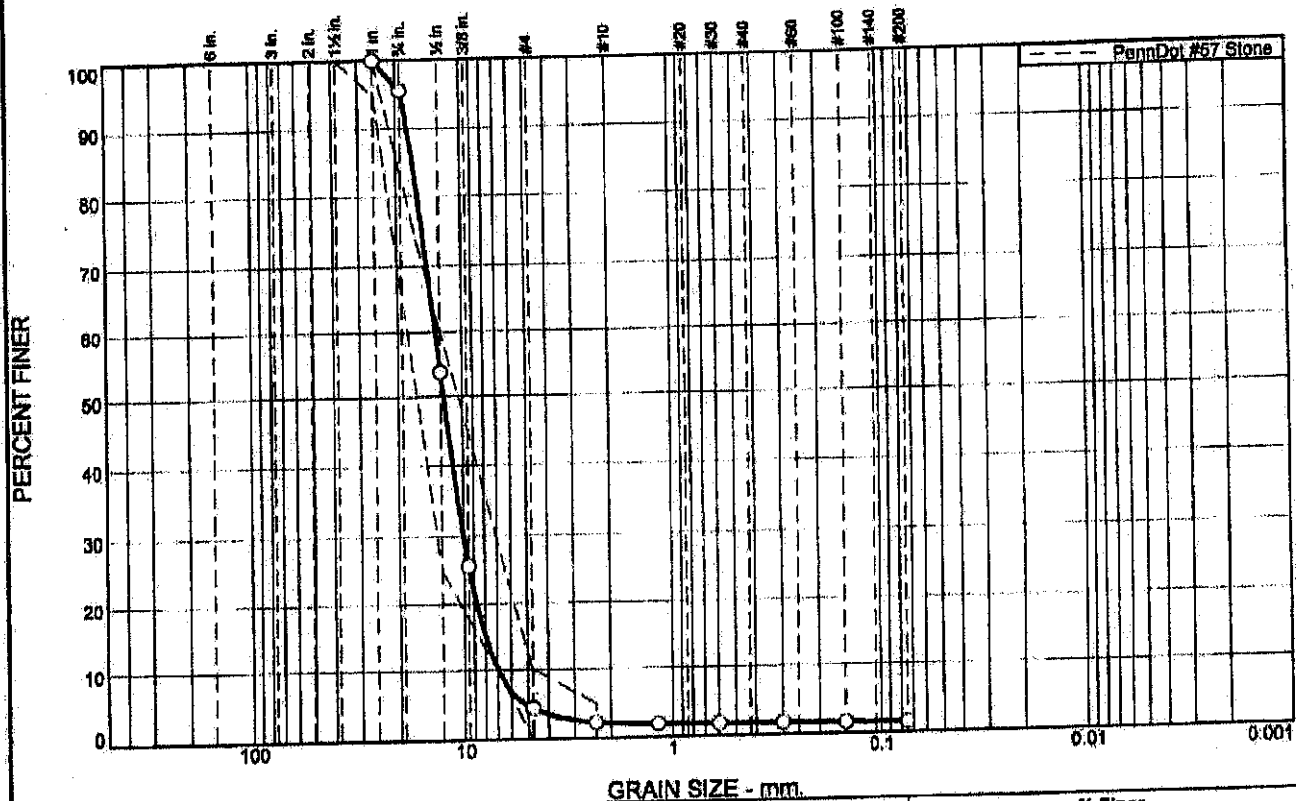
Percent Loss 28.4%

C. Absorption: ASTM C127.....0.65 %
D. Specific Gravities: Bulk Dry = 2.774; Bulk SSD = 2.792; Apparent = 2.825
E. Unit Weight:.....109.3pcf

This material meets the requirements for PennDOT 408/703 "Type C or Better" Coarse Aggregate.

Respectfully submitted,

Jeremy S. Hall,
Laboratory Supervisor

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	4.4	91.2	2.3	0.4	0.2	1.5	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.0	100.0	95.0 - 100.0	
3/4	95.6		
1/2	53.8	25.0 - 60.0	
3/8	25.6		
#4	4.4	0.0 - 10.0	
#8	2.2	0.0 - 5.0	
#16	1.9		
#30	1.8		
#50	1.7		
#100	1.6		
#200	1.5		

Material Description

USCS: GP = poorly graded gravel
#57 Stone
2/2/2022

Atterberg Limits

PL= NP

LL= NV

PI= NP

Coefficients

D₉₀= 17.5807

D₈₅= 16.6442

D₆₀= 13.3803

D₅₀= 12.2876

D₃₀= 10.0578

D₁₅= 7.9717

D₁₀= 6.9684

C_u= 1.92

C_c= 1.08

Classification

USCS= GP

AASHTO= A-1-a

Remarks

Date Received: 2/2/2022

Lab Ref: A-22-0009

Sampled By: Client

PennDot #57 Stone

Source of Sample: Cedarville - CALMIA14
Sample Number: 2

Date: 3/2/2022



Client: Erie Sand & Gravel
Project: Misc, Lab Testing

Project No: 2022605001.007

Figure 0009-2

Tested By: JSH

Checked By: JSH

Laboratory Evaluation of
Construction Materials
Field Testing & Observation
Subsurface Investigations
Geotechnical Engineering

John H. Robinson Testing

1319 Sassafras Street
Erie, Pennsylvania 16501-1720
Telephone: 814.454.0195
Facsimile: 814.453.2020

Member: ASTM, ACI, ACIL
AAP AASHTO R18 Accredited
USACOE Validated

Date: March 17, 2022

Client: Erie Sand and Gravel - Carmeuse
22 Ore Dock Rd.
Erie, PA 16507

Attn: Alex Behnke

Re: (A67) # 67 Stone -- CALAMIA 14
Cedarville
Project No. 2022605001.007

Lab Ref.: A-22-0009

Received: 02-02-2022

Examined with the following results:

A. PTM 510 SULFATE SOUNDNESS, SODIUM ; 5 -CYCLE					
Pass	Ret. On	Std. Gdg.	Sample Weight	% Loss	Wtd. % Loss
1 1/2"	3/4"	36.8	1503.0 gm	0.16	0.06
3/4"	3/8"	36.9	1001.2 gm	0.20	0.07
3/8"	# 4	26.3	300.0 gm	0.53	0.14
		100.0	2804.2 gm		0.27

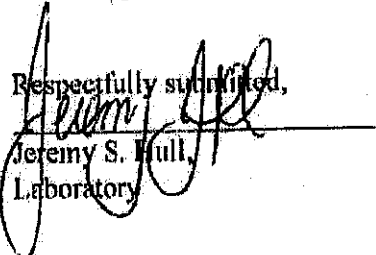
B. ASTM C-131 LOS ANGELES RATTLER, ABRASION

Percent Loss 28.7%

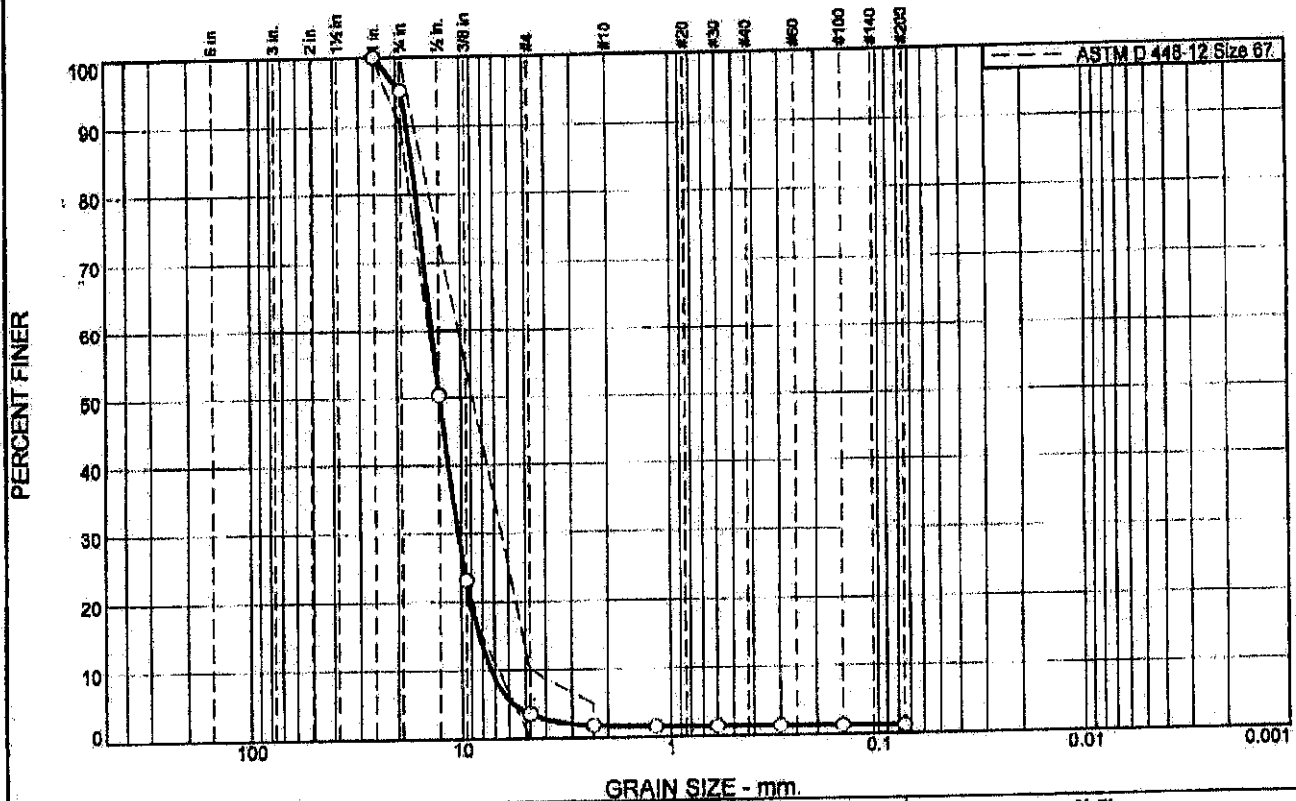
C. Absorption: ASTM C127.....0.64 %
D. Specific Gravities: Bulk Dry = 2.775; Bulk SSD = 2.793; Apparent = 2.825
E. Unit Weight:.....109.1pcf

This material meets the requirements for PennDOT 408/703 "Type C or Better" Coarse Aggregate.

Respectfully submitted,


Jeremy S. Hull,
Laboratory

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	4.7	91.7	1.9	0.3	0.1	1.3	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.0	100.0	100.0	
3/4	95.3	90.0 - 100.0	
1/2	50.4		
3/8	23.2	20.0 - 55.0	
#4	3.6	0.0 - 10.0	
#8	1.8	0.0 - 5.0	
#16	1.6		
#30	1.5		
#50	1.4		
#100	1.3		
#200	1.3		

ASTM D 448-12 Size 67

Material Description

USCS: GP = poorly graded gravel
#67 Stone
2/2/2022

PL= NP Atterberg Limits LL= NV PI= NP

Coefficients
D₉₀= 17.7497 D₈₅= 16.8575 D₆₀= 13.7201
D₅₀= 12.6550 D₃₀= 10.4004 D₁₅= 8.2837
D₁₀= 7.3002 C_u= 1.88 C_c= 1.08

Classification
USCS= GP AASHTO= A-1-a

Remarks

Date Received: 2/2/2022
Lab Ref: A-22-0009
Sampled By: Client

Source of Sample: Cedarville - CALMIA14
Sample Number: 3

Date: 3/2/2022



Client: Erie Sand & Gravel
Project: Misc. Lab Testing

Project No: 2022605001.007

Figure 0009-3

Tested By: JSH

Checked By: JSH

Laboratory Evaluation of
Construction Materials
Field Testing & Observation
Subsurface Investigations
Geotechnical Engineering

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Member: ASTM, ACI, ACIL
AAP AASHTO R18 Accredited
USACOE Validated

Date: March 17, 2022

Client: Erie Sand and Gravel - Carmeuse
22 Ore Dock Rd.
Erie, PA 16507

Attn: Alex Behnke

Re: (A57) # 57 Stone - CALAMIB14
Calcite
Project No. 2022605001.007

Lab Ref.: A-22-0009

Received: 02-02-2022

Examined with the following results:

A. PTM 510 SULFATE SOUNDNESS, SODIUM ; 5 -CYCLE					
Pass	Ret. On	Std. Gdg.	Sample Weight	% Loss	Wtd. % Loss
1 1/2"	3/4"	36.8	1505.1 gm	0.76	0.28
3/4"	3/8"	36.9	1001.4 gm	0.89	0.33
3/8"	# 4	26.3	300.0 gm	2.13	0.56
		100.0	2806.5 gm		1.17

B. ASTM C-131 LOS ANGELES RATTLER, ABRASION

Percent Loss 27.9%

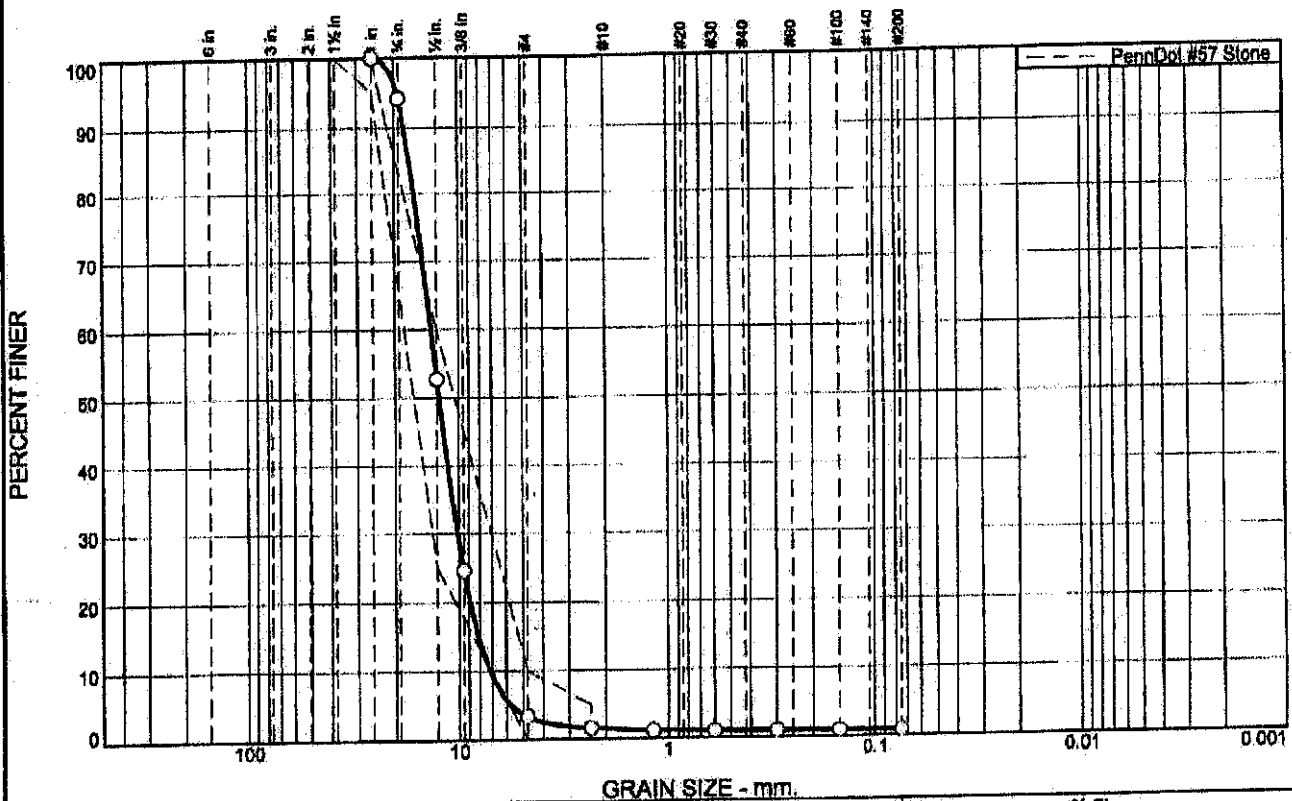
C. Absorption: ASTM C127.....0.83 %
D. Specific Gravities: Bulk Dry = 2.546; Bulk SSD = 2.567; Apparent = 2.601
E. Unit Weight:.....98.3pcf

This material meets the requirements for PennDOT 408/703 "Type C or Better" Coarse Aggregate.

Respectfully submitted

Jeremy S. Hull
Laboratory Supervisor

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	5.7	90.9	1.9	0.5	0.2	0.8	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.0	100.0	95.0 - 100.0	
3/4	94.3		
1/2	52.6	25.0 - 60.0	
3/8	24.6		
#4	3.4	0.0 - 10.0	
#8	1.6	0.0 - 5.0	
#16	1.2		
#30	1.0		
#50	1.0		
#100	0.9		
#200	0.8		

Material Description		
USCS: GP = poorly graded gravel		
#57 Stone		
2/2/2022		
Atterberg Limits		
PL= MP	LL= NV	PI=
Coefficients		
D ₉₀ = 17.8920	D ₈₅ = 16.8954	D ₆₀ = 13.5183
D ₅₀ = 12.4105	D ₃₀ = 10.1782	D ₁₅ = 8.1427
D ₁₀ = 7.2008	C _u = 1.88	C _c = 1.06
Classification		
USCS= GP	AASHTO=	
Remarks		
Date Received: 2/2/2022		
Lab Ref: A-22-0009		
Sampled By: Client		

PennDot #57 Stone

Source of Sample: Calcite - CALMIB14
Sample Number: 1

Date: 3/2/2022



Client: Erie Sand & Gravel
Project: Misc. Lab Testing

Project No: 2022605001.007

Figure 0009-4

Tested By: JSH

Checked By: JSH

Laboratory Evaluation of
Construction Materials
Field Testing & Observation
Subsurface Investigations
Geotechnical Engineering

John H. Robinson Testing

1319 Sassafras Street
Erie, Pennsylvania 16501-1720
Telephone: 814.454.0195
Facsimile: 814.453.2020

Member: ASTM, ACI, ACIL
AAP AASHTO R18 Accredited
USACOE Validated

Date: March 17, 2022

Client: Erie Sand and Gravel - Carmeuse
22 Ore Dock Rd.
Erie, PA 16507

Attn: Alex Behnke

Re: (S2A) 2A Sub Base - CALAMIB14
Calcite
Project No. 2022605001.007

Lab Ref.: A-22-0009

Received: 02-02-2022

Examined with the following results:

A. PTM 510 SULFATE SOUNDNESS, SODIUM ; 5 -CYCLE					
Pass	Ret. On	Std. Gdg.	Sample Weight	% Loss	Wtd. % Loss
1 1/2"	3/4"	36.8	1500.2 gm	0.61	0.22
3/4"	3/8"	36.9	1002.5 gm	0.91	0.34
3/8"	# 4	26.3	300.0 gm	3.13	0.82
		<u>100.0</u>	<u>2802.7 gm</u>		<u>1.38</u>

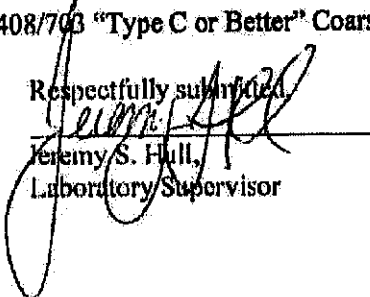
B. ASTM C-131 LOS ANGELES RATTLER, ABRASION

Percent Loss 30.5%

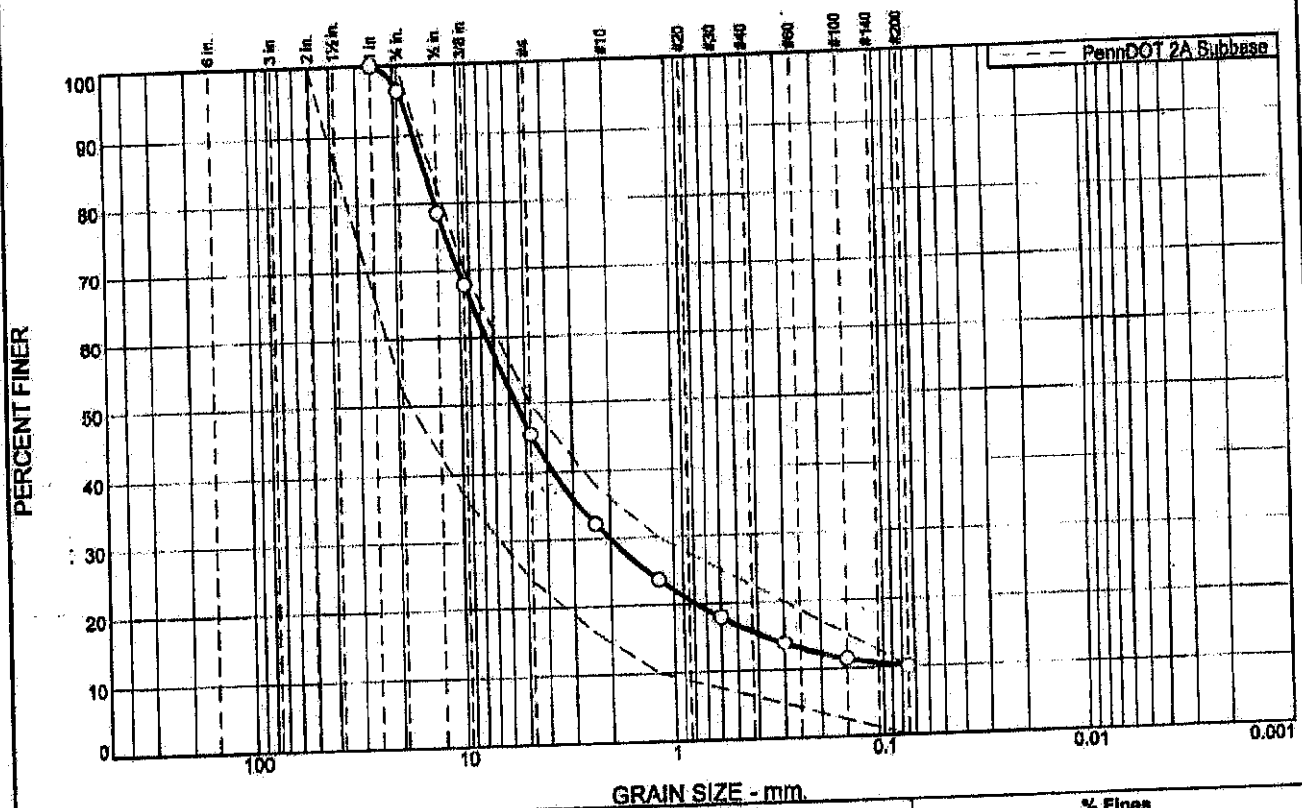
C. Absorption: ASTM C127 1.06 %
D. Specific Gravities: Bulk Dry = 2.459; Bulk SSD = 2.486; Apparent = 2.525
E. Unit Weight: 108.0 pcf

This material meets the requirements for PennDOT 408/703 "Type C or Better" Coarse Aggregate.

Respectfully submitted,


Jeremy S. Hull,
Laboratory Supervisor

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	3.6	50.8	15.7	14.2	5.7	10.0	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.0	100.0	52.0 - 100.0	
3/4	96.4		
1/2	78.6		
3/8	67.7		
#4	45.6		
#8	32.2	36.0 - 70.0	
#16	23.7	24.0 - 50.0	
#30	18.0	16.0 - 38.0	
#50	13.8	10.0 - 30.0	
#100	11.4	0.0 - 10.0	
#200	10.0		

Material Description

USCS: GP-GM = poorly graded gravel with silt and sand
2A
2/2/2022

PL= NP **Atterberg Limits** LL= NV PI=

Coefficients
D₉₀= 16.1088 D₈₅= 14.5243 D₆₀= 7.5940
D₅₀= 5.5539 D₃₀= 2.0162 D₁₅= 0.3758
D₁₀= C_u= C_c=

Classification
USCS= GP-GM AASHTO= A-1-a

Remarks

Date Received: 2/2/2022
Lab Ref: A-22-0009
Sampled By: Client

PennDOT 2A Subbase

Source of Sample: Calcite - CALMIB14
Sample Number: 3

Date: 3/2/2022



Client: Erie Sand & Gravel
Project: Misc. Lab Testing

Project No: 2022605001.007

Figure 0009-6

Tested By: JSH

Checked By: JSH

Laboratory Evaluation of
Construction Materials
Field Testing & Observation
Subsurface Investigations
Geotechnical Engineering

John H. Robinson Testing

1319 Sassafras Street
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Telephone: 814.454.0195
Facsimile: 814.453.2020

Member ASTM, ACI, ACIL
AAP AASHTO R18 Accredited
USACOE Validated

Date: March 18, 2022

Client: Erie Sand and Gravel - Carmeuse
22 Ore Dock Rd.
Erie, PA 16507

Attn: Alex Behnke

Re: (S2A) 2A Sub Base - CALMIB14
Calcite
Project No. 2022605001.007

Lab Ref.: A-22-0009

Received: 02-02-2022

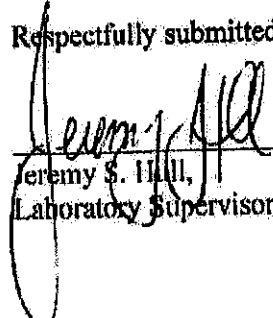
Examined with the following results:

Moisture-Density analysis was performed on the sample submitted utilizing ATSM D-698-12a Method C. Moisture-Density Relationship and Grain Size Distribution Curves are attached.

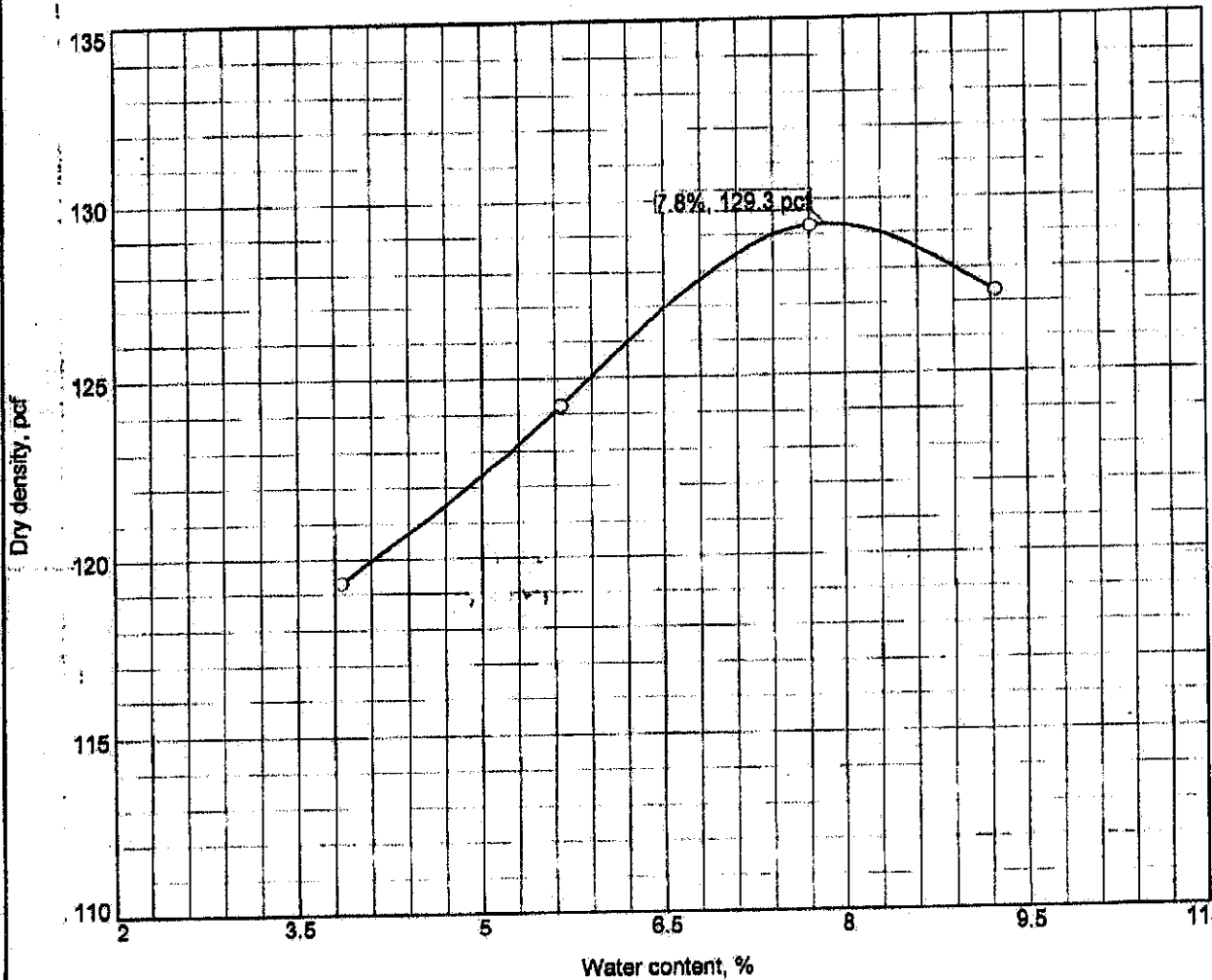
Maximum Dry Density.....	129.3 pcf
Optimum Moisture Content.....	7.8 %

Should you have any questions, or desire further information, please contact our office at your convenience.

Respectfully submitted,



Jeremy S. Hall,
Laboratory Supervisor

COMPACTION TEST REPORT



Test specification: ASTM D 698-12a Method C Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASTHO						
	GP-GM	A-1-a			NV	NP	3.6	10.0

TEST RESULTS		MATERIAL DESCRIPTION
Maximum dry density = 129.3 pcf		USCS: GP-GM = poorly graded gravel with silt and sand 2A
Optimum moisture = 7.8 %		
Project No. 2022605001.0 Client: Erie Sand & Gravel		Remarks: Date Received: 2/2/2022 Lab Ref: A-22-0009 Sampled By: Client
Project: Misc. Lab Testing		
Source of Sample: Calcite - CALMIB14 Sample Number: 3		
		Figure 0009-6A

Tested By: JSH

Checked By: JSH

Laboratory Evaluation of
Construction Materials
Field Testing & Observation
Subsurface Investigations
Geotechnical Engineering

John H. Robinson Testing

1319 Sassafraz Street
Erie, Pennsylvania 16501-1720
Telephone: 814.454.0195
Facsimile: 814.453.2020

Member: ASTM, ACI, ACIL
AAP AASHTO R18 Accredited
USACOE Validated

Date: March 17, 2022

Client: Erie Sand and Gravel - Carmeuse
22 Ore Dock Rd.
Erie, PA 16507

Attn: Alex Behnke

Re: (A57) # 57 Stone - CALAMIE14
Port Inland
Project No. 2022605001.007

Lab Ref.: A-22-0009

Received: 02-02-2022

Examined with the following results:

A. PTM 510 SULFATE SOUNDNESS, SODIUM ; 5 -CYCLE					
Pass	Ret. On	Std. Gdg.	Sample Weight	% Loss	Wtd. % Loss
1 1/2"	3/4"	36.8	1504.4 gm	1.46	0.54
3/4"	3/8"	36.9	1003.2 gm	0.69	0.25
3/8"	# 4	26.3	300.0 gm	1.67	0.44
			<hr/>		<hr/>
			100.0	2807.4 gm	1.23

B. ASTM C-131 LOS ANGELES RATTLER, ABRASION

Percent Loss 27.7%

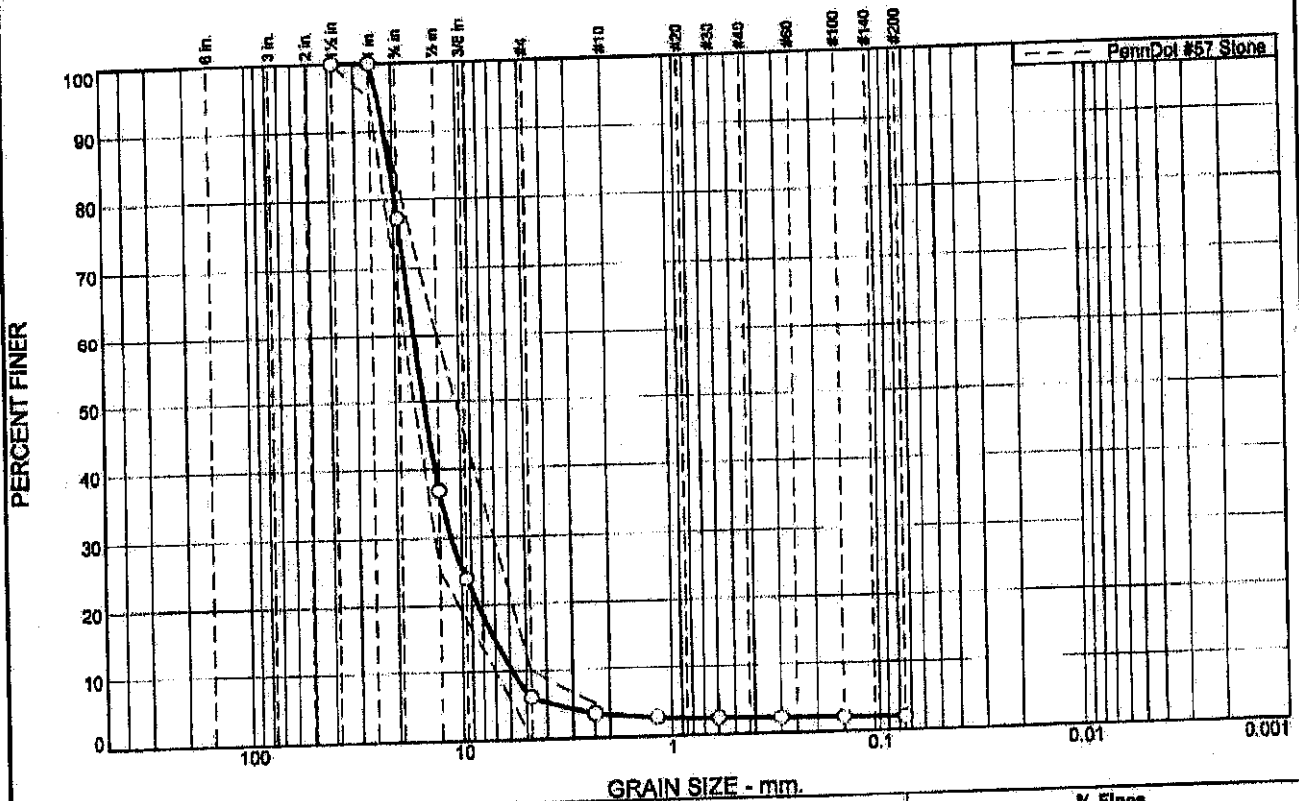
C. Absorption: ASTM C127.....0.54 %
D. Specific Gravities: Bulk Dry = 2.666; Bulk SSD = 2.680; Apparent = 2.704
E. Unit Weight:.....105.7pcf

This material meets the requirements for PennDOT 408/703 "Type C or Better" Coarse Aggregate.

Respectfully submitted,


Jeremy S. Full
Laboratory Supervisor

Particle Size Distribution Report



% +3"

% Gravel
Coarse 22.8
Fine 71.1

% Sand
Coarse 2.9
Medium 0.9
Fine 0.4

% Fines
Silt 1.9
Clay

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.5	100.0	100.0	
1.0	100.0	95.0 - 100.0	
3/4	77.2		
1/2	36.9	25.0 - 60.0	
3/8	23.9		
#4	6.1	0.0 - 10.0	
#8	3.5	0.0 - 5.0	
#16	2.7		
#30	2.4		
#50	2.2		
#100	2.1		
#200	1.9		

* PennDot #57 Stone

Material Description

USCS: GP = poorly graded gravel
#57 Stone
2/2/2022

PL= NP

Atterberg Limits
LL= NV

PI=

D₉₀= 21.7887
D₆₀= 14.7608
D₃₀= 11.2495
D₁₀= 5.8621

Coefficients
D₈₅= 20.5992
D₃₀= 11.2495
C_u= 2.77

D₈₀= 16.2391
D₁₅= 7.1305
C_c= 1.33

Classification

USCS= GP

AASHTO= A-1-a

Remarks

Date Received: 2/2/2022
Lab Ref: A-22-0009
Sampled By: Client

Source of Sample: Port Inland - CALMIE
Sample Number: 3

Date: 3/2/2022



Client: Erie Sand & Gravel
Project: Misc. Lab Testing

Project No: 2022605001.007

Figure 0009-13

Tested By: JSH

Checked By: JSH

Laboratory Evaluation of
Construction Materials
Field Testing & Observation
Subsurface Investigations
Geotechnical Engineering

John H. Robinson Testing

1319 Sassafras Street
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Telephone: 814.454.0195
Facsimile: 814.453.2020

Member: ASTM, ACI, ACIL
AAP AASHTO R18 Accredited
USACOE Validated

Date: March 17, 2022

Client: Erie Sand and Gravel - Carmeuse
22 Ore Dock Rd.
Erie, PA 16507

Attn: Alex Behnke

Re: (A67) # 67 Stone - CALAMIE14
Port Inland
Project No. 2022605001.007

Lab Ref.: A-22-0009

Received: 02-02-2022

Examined with the following results:

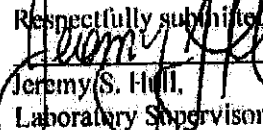
A. PTM 510 SULFATE SOUNDNESS, SODIUM ; 5 -CYCLE					
Pass	Ret. On	Std. Gdg.	Sample Weight	% Loss	Wtd. % Loss
1 1/2"	3/4"	36.8	1505.5 gm	2.05	0.75
3/4"	3/8"	36.9	1000.0 gm	0.90	0.33
3/8"	# 4	26.3	300.0 gm	2.74	0.72
		100.0	2805.5 gm		1.80

B. ASTM C-131 LOS ANGELES RATTLER, ABRASION

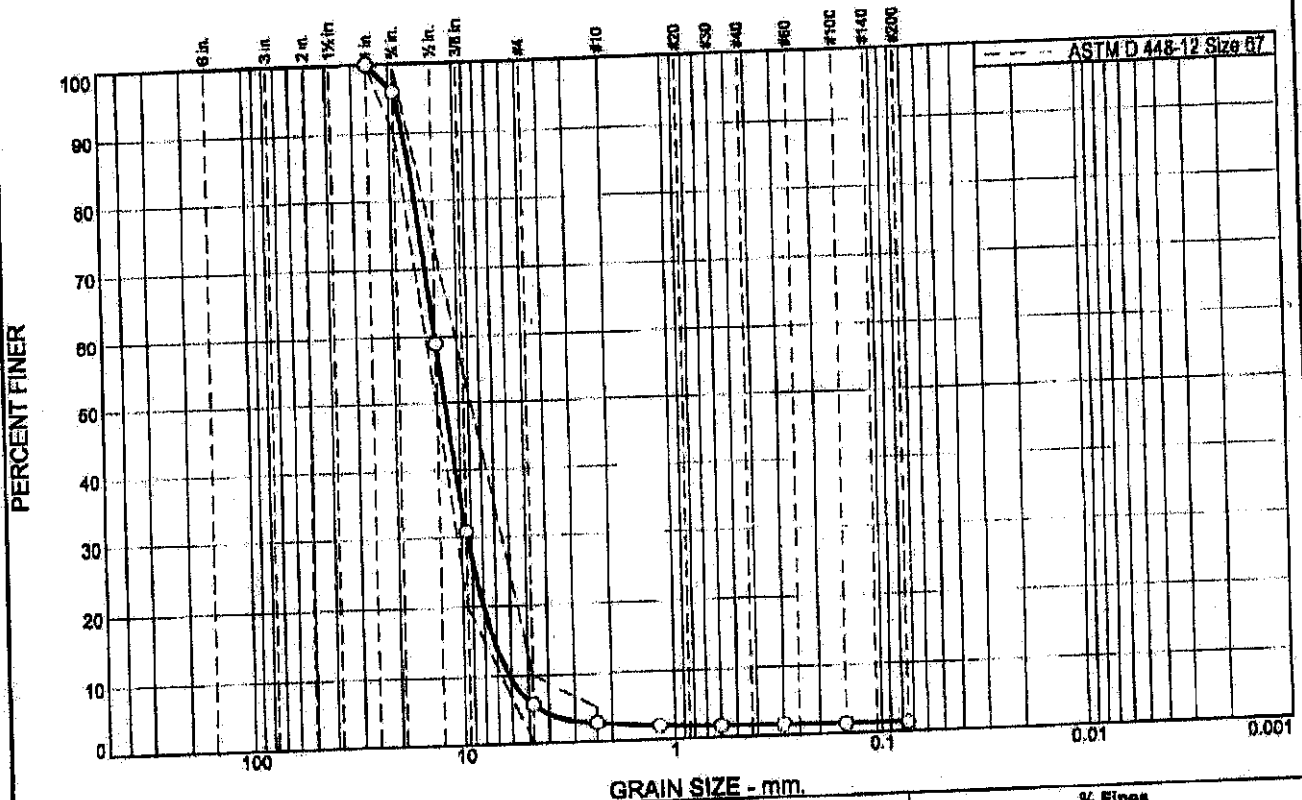
Percent Loss 28.3%

C. Absorption: ASTM C127.....0.75 %
D. Specific Gravities: Bulk Dry = 2.660; Bulk SSD = 2.679; Apparent = 2.713
E. Unit Weight:.....102.2pcf

This material meets the requirements for PennDOT 408/703 "Type C or Better" Coarse Aggregate.

Respectfully submitted,

Jeremy S. Hull,
Laboratory Supervisor

Particle Size Distribution Report



% +3"		% Gravel		% Sand			% Fines	Clay
Coarse	Fine	Coarse	Medium	Fine	Silt			
0.0	3.8	90.5	3.2	0.9	0.2	1.4		

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1.0	100.0	100.0	
3/4	96.2	90.0 - 100.0	
1/2	58.9		
3/8	31.0	20.0 - 55.0	
#4	5.7	0.0 - 10.0	
#8	2.7	0.0 - 5.0	
#16	2.0		
#30	1.7		
#50	1.5		
#100	1.4		
#200	1.4		

ASTM D 448-12 Size 67

Material Description

USCS: GP = poorly graded gravel
#67 Stone
2/2/2022

Atterberg Limits

PL = NP

LL = NV

PI =

Coefficients

D₉₀ = 17.2768

D₈₅ = 16.2805

D₆₀ = 12.8298

D₅₀ = 11.6886

D₃₀ = 9.4020

D₁₅ = 7.2200

D₁₀ = 6.1648

C_u = 2.08

C_c = 1.12

Classification

USCS = GP

AASHTO = A-1-a

Remarks

Date Received: 2/2/2022

Lab Ref: A-22-0009

Sampled By: Client

Source of Sample: Port Inland - CALMIE
Sample Number: 2

Date: 3/2/2022



Client: Erie Sand & Gravel
Project: Misc. Lab Testing

Project No: 2022605001.007

Figure 0009-12

Tested By: JSH

Checked By: JSH

Laboratory Evaluation of
Construction Materials
Field Testing & Observation
Subsurface Investigations
Geotechnical Engineering

John H. Robinson Testing

1319 Sassafras Street
Erie, Pennsylvania 16501-1720
Telephone: 814.454.0195
Facsimile: 814.453.2020

Member: ASTM, ACI, ACIL
AAP AASHTO R18 Accredited
USACOE Validated

Date: March 18, 2022

Client: Erie Sand and Gravel - Carmeuse
22 Ore Dock Rd.
Erie, PA 16507

Attn: Alex Behnke

Re: (S2A) 2A Sub Base - CALONA14
Port Colborn
Project No. 2022605001.007

Lab Ref.: A-22-0009

Received: 02-02-2022

Examined with the following results:

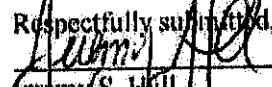
A. PTM 510 SULFATE SOUNDNESS, SODIUM ; 5 -CYCLE					
Pass	Ret. On	Std. Gdg.	Sample Weight	% Loss	Wtd. % Loss
1 1/2"	3/4"	36.8	1500.8 gm	7.72	2.84
3/4"	3/8"	36.9	1001.1 gm	4.36	1.61
3/8"	# 4	26.3	300.0 gm	5.03	1.32
		100.0	2801.9 gm		5.77

B. ASTM C-131 LOS ANGELES RATTLER, ABRASION

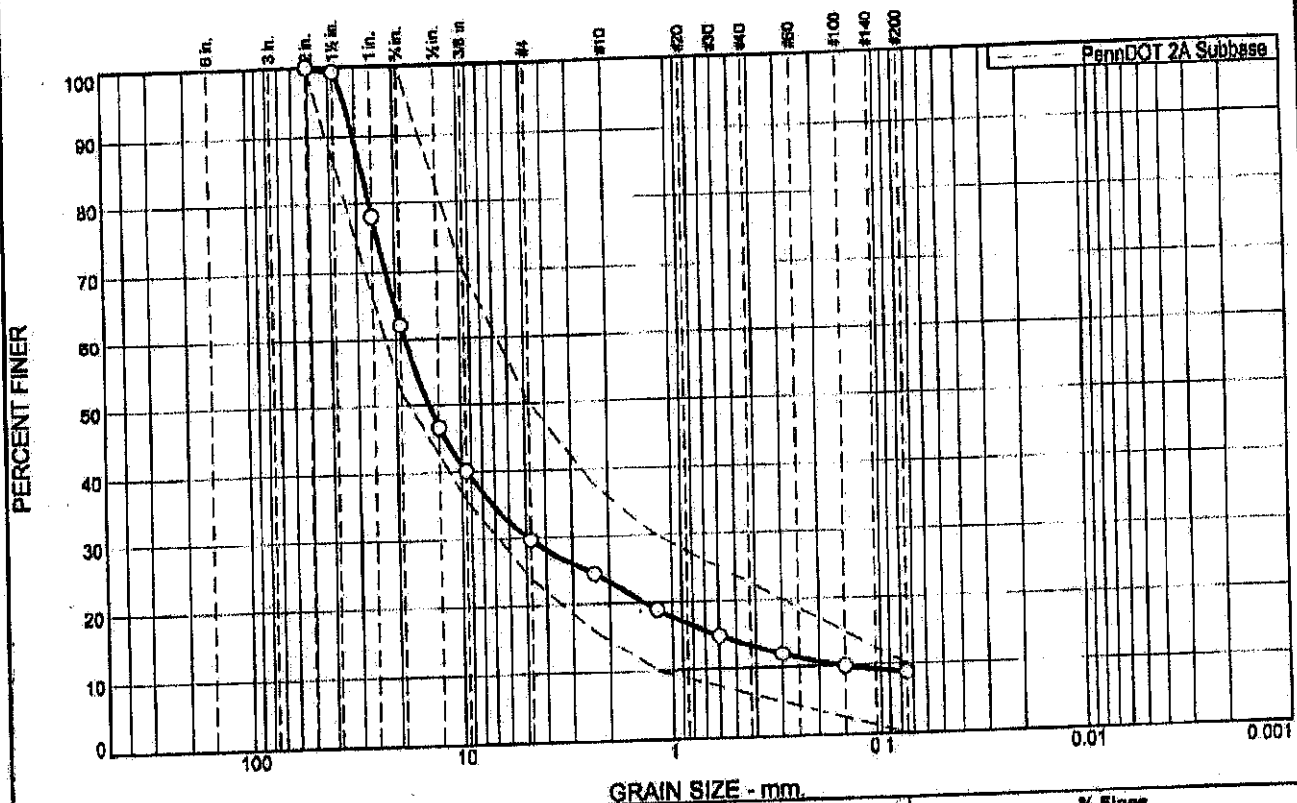
Percent Loss 22.6%

- C. Crushed Fragments: ASTM D5821...Single Face 100.0%.....Two or More Face 100.0%
D. Absorption: ASTM C127.....0.89 %
E. Specific Gravities: Bulk Dry = 2.660; Bulk SSD = 2.684; Apparent = 2.725
F. Unit Weight:.....111.4pcf

This material meets the requirements for PennDOT 408/703 "Type C or Better" Coarse Aggregate.

Respectfully submitted,

Jeremy S. Hull,
Laboratory Supervisor

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	silt	Clay
0.0	37.9	32.3	6.5	10.0	4.4	8.9	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
2.0	100.0	100.0	
1.5	99.3		
1.0	78.1		
3/4	62.1	52.0 - 100.0	
1/2	46.6		
3/8	40.2	36.0 - 70.0	
#4	29.8	24.0 - 50.0	
#8	24.5	16.0 - 38.0	
#16	19.0	10.0 - 30.0	
#30	14.9		
#50	11.9		
#100	9.9		
#200	8.9	0.0 - 10.0	

Material Description
 USCS: GP - GM = poorly graded gravel with silt and sand
 2A
 2/2/2022

Atterberg Limits
 PL= NP LL= NV PI= NP

Coefficients
 D₉₀= 30.7724 D₈₅= 28.3293 D₆₀= 18.2370
 D₅₀= 14.2031 D₃₀= 4.8375 D₁₅= 0.6138
 D₁₀= 0.1556 C_u= 117.20 C_c= 8.25

Classification
 USCS= GP-GM AASHTO= A-1-a

Remarks
 Date Received: 2/2/2022
 Lab Ref: A-22-0009
 Sampled By: Client

PennDOT 2A Subbase

Source of Sample: Port Colborn - CALONA12
 Sample Number: 1

Date: 3/2/2022



Client: Erie Sand & Gravel
 Project: Misc. Lab Testing

Project No: 2022605001.007

Figure 0009-18

Tested By: JSH

Checked By: JSH

Laboratory Evaluation of
Construction Materials
Field Testing & Observation
Subsurface Investigations
Geotechnical Engineering

John H. Robinson Testing

1319 Sassafras Street
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Telephone: 814.454.0195
Facsimile: 814.453.2020

Member: ASTM, ACI, ACIL
AAP AASHTO R18 Accredited
USACOE Validated

Date: March 18, 2022

Client: Erie Sand and Gravel - Carmeuse
22 Ore Dock Rd.
Erie, PA 16507

Attn: Alex Behnke

Re: (S2A) 2A Sub Base - CALONA14
Port Colborne
Project No. 2022605001.007

Lab Ref.: A-22-0009

Received: 02-02-2022

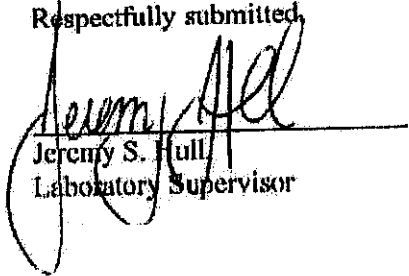
Examined with the following results:

Moisture-Density analysis was performed on the sample submitted utilizing ATSM D-698-12a Method C. Moisture-Density Relationship and Grain Size Distribution Curves are attached.

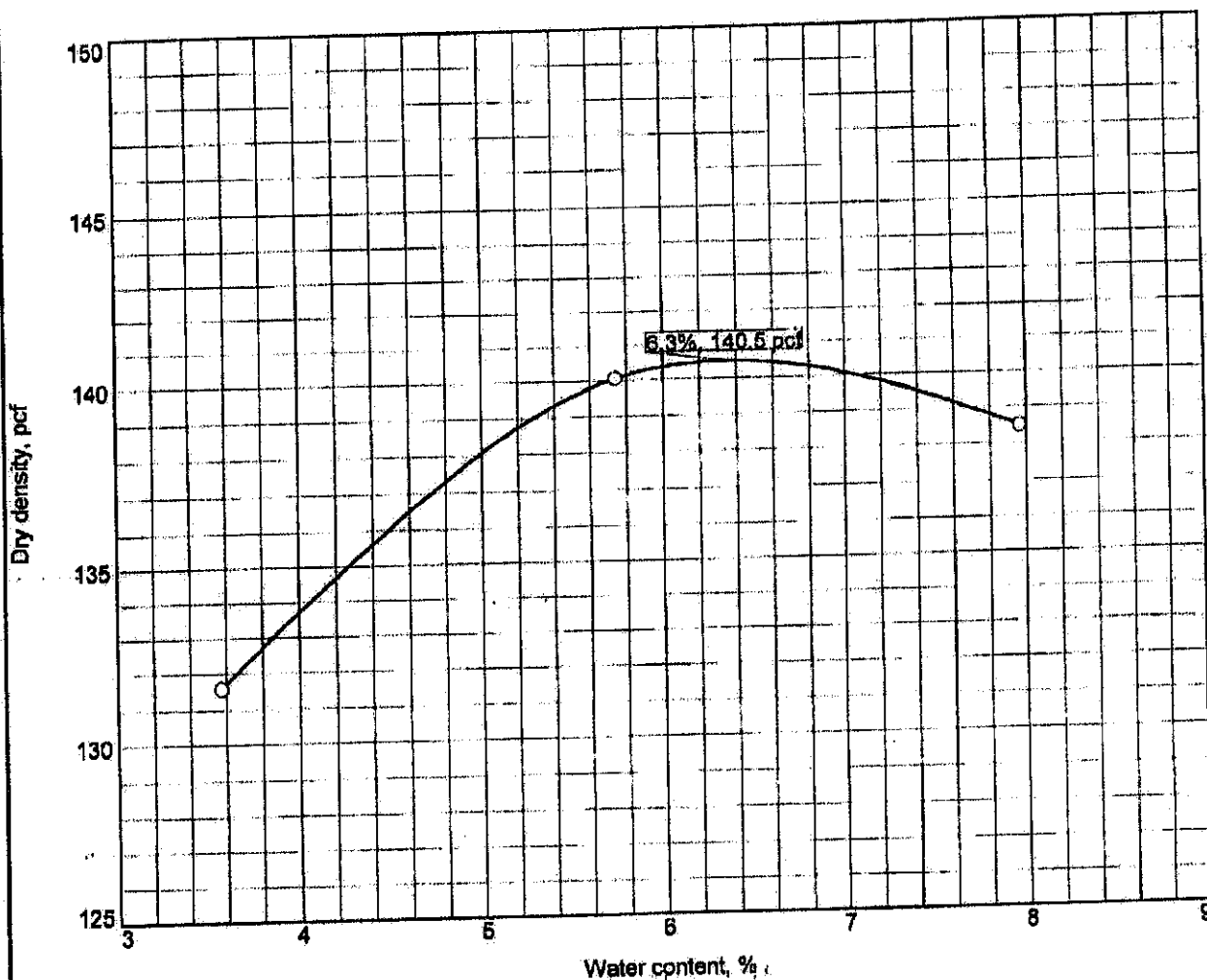
Maximum Dry Density.....	140.5 pcf
Optimum Moisture Content.....	6.3 %

Should you have any questions, or desire further information, please contact our office at your convenience.

Respectfully submitted,



Jeremy S. Hull
Laboratory Supervisor

COMPACTION TEST REPORT



Test specification: ASTM D 698-12a Method C Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
	GP-GM	A-1-a			NV	NP	37.9	8.9

TEST RESULTS		MATERIAL DESCRIPTION
Maximum dry density = 140.5 pcf		USCS: GP - GM = poorly graded gravel with silt and sand 2A
Optimum moisture = 6.3 %		
Project No. 2022605001.0 Client: Erie Sand & Gravel		Remarks: Date Received: 2/2/2022 Lab Ref: A-22-0009 Sampled By: Client
Project: Misc. Lab Testing		
Source of Sample: Port Colborn - CALONA12 Sample Number: 1		
		Figure 0009-18A

Tested By: JSH

Checked By: JSH