



CITY OF NOVI CITY COUNCIL
JULY 27, 2026

SUBJECT: Approval to advance purchase one 12-foot by 6-foot precast box culvert and one 15-foot by 7-foot precast box culvert for the Lee BeGole Drive/Crescent Boulevard Road Extension project from Northern Concrete Pipe, Inc., in the amount of \$698,488.

SUBMITTING DEPARTMENT: Department of Public Works, Engineering Division

KEY HIGHLIGHTS:

- Two box culverts are necessary to complete the road extension where the road will cross Bishop Creek.
- Northern Concrete Pipe, Inc. is the sole supplier of the box culverts, which have a lead time of approximately eight weeks.

FINANCIAL IMPACT

	FY 2026/27
EXPENDITURE REQUIRED	\$ 239,700.40 Northern culvert <u>\$ 458,788.24 Southern culvert</u> \$ 698,488.64 Total
BUDGET	
Public Safety Building Fund 464-446.00-975.952	\$ 11,769,250
APPROPRIATION REQUIRED	\$ 0
FUND BALANCE IMPACT	\$ 0
A total of \$18M is budgeted for all costs related to the road and infrastructure improvements (engineering services, construction, utilities, and contingency). The \$11.7M for road construction is included in the total budget.	

BACKGROUND INFORMATION:

The City's engineering consultant, OHM Advisors, completed the design of the Lee BeGole Drive/Crescent Boulevard Extension, and the project is currently out to bid. The

roadway extension requires two new box culverts be installed at the Bishop Creek drain crossings: one 12-foot by 6-foot culvert at the north end of the project area, and one 15-foot by 7-foot culvert to the south. The sole supplier of the box culverts, Northern Concrete Pipe, Inc., provided a quote for both culverts totaling \$698,488.64.

Advance purchasing the box culverts will reduce the lead time on the culverts so the project can stay on schedule. Award for road construction is expected to be on an August City Council agenda, with construction on the road expected to begin this fall.

RECOMMENDED ACTION: Approval to advance purchase one 12-foot by 6-foot precast box culvert and one 15-foot by 7-foot precast box culvert for the Lee BeGole Drive/Crescent Boulevard Road Extension project from Northern Concrete Pipe, Inc., in the amount of \$698,488.64.

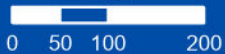
Lee BeGole Drive/Crescent Boulevard Extension Culvert Locations



Project Area



Feet



Map Author: Runkel
Map Print Date: 7/14/26



Bay City
401 Kelton St
Bay City, MI 48706
989.892.3545

Clarkston
4950 White Lake Rd
Clarkston, MI 48346
248.795.2431

Grand Rapids
2701 Chicago Dr SW
Wyoming, MI 49519
616.608.6025

Lansing
5281 Lansing Rd
Charlotte, MI 48813
517.645.2777

Toledo
3756 Centennial Rd
Sylvania, OH 43560
419.841.3361

Quote: SQ-26-01597
Date: 06/26/2026

Quotation

Bid Date: 06/26/2026

PROJECT QUOTE

City of Novi - Crescent / Lee Begole Ext.
Crescent & Lee Begole Street
Oakland County (MI)
Novi , MI

Qty	UOM	Description	Unit Price	Total
Boxes / Bridges				

12x6

68	LF	12' x 6' Precast Box Culvert	\$ 1,829.00 / LF	\$ 124,372.00
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Proposed 12' x 6' Precast 4-Sided Box Culvert Sections will weigh approx- 26 Tons/ea.

Lifting cables of the proper capacity and length to safely offload and set all sections must be furnished by others.

Proposed Boxes will be manufactured to ASTM C-1577 Specifications w/ HL-93 Modified Loading.

Load Ratings for "As Designed" conditions as well as AASHTOWare Bridge BrR analysis, are included in the LF pricing.

All Proposed Precast End Treatments (HWs, Footings & WWs) using NCPI's proposed configurations (similar to what is shown in the plans) are subject to the approval of the Project Engineer.

8 ea.- Joint Ties per MDOT R-84A, (1 ea. per joint per side, for the end two joints at each end of the culvert) are included in the box LF cost.

Any additional Joint Ties that may be required, can be purchased for \$255.00/ea.

All required Joint Waterproofing (JWP) as well as any required Joint Filler are to be furnished and installed by others (typ).

Standard MDOT Joint Materials (butyl rope w/ primer, mastic, filter fabric and 12" external joint wrap w/primer) for this crossing are listed on the quotation, quantities are approximate.

Accepted By: _____

Date: _____

Printed Name: _____

Sales Person: Michael Graebner



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Qty	UOM	Description	Unit Price	Total
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Note- The bedding for all precast segments must be placed precisely to assure the sections are plumb to maintain proper alignment of the adjoined precast components. If any of the sections do not line up properly, they should be removed, the bedding regraded, and the sections re-installed.

PLEASE NOTE-

Timely delivery of the materials quoted are subject to many variables, some that are beyond our control (engineer review / approval, ordering / availability of raw materials, form availability, the weather and supply chain issues).

NCPI will not be responsible for project delays, subsequent fines, back charges, or liquidated damages for variables that are beyond our control.

NCPI will manufacture projects in the order that we receive final approval. It is the Contractor's responsibility to assist us in expediting our submittals through the process.

NOTE- Due to the very tight completion date requirements for this project, all facets for completing this crossing will be very tight to be able to meet the completion dates. NCPI will need final approval of the drawings by July 20th in order to have the crossing completed and cured by Mid to Late September.

Note- Based upon the final design strength requirements for the concrete, additional cure times may also extend the timing required to deliver any segments that require over 5000 psi concrete.

As mentioned above, we build new orders in the order that we receive final approvals. If other projects come in that are received and approved previous to these newly quoted projects, this could delay the timing even further. Please cover yourselves for any additional time that you feel may be needed to complete the project as you see it.

NOTE- It is the Contractor's responsibility to review our shop drawings for ALL types of lifting points that may be furnished for the precast segments. The Contractor must provide all lifting cables and lifting devices that will be required to match the various types of lifting points that will be furnished, to safely off-load and set in place all of the precast segments. NCPI will NOT furnish any of these required devices when the sections are delivered to the job site. Our dispatchers will attempt to confirm with your site personnel that they have all of the required lifting equipment before we will confirm delivery to the job site, to avoid any demurrage for truck delays caused by the required handling equipment not being on site at the time of delivery. If you do not have the required lifting devices, please contact our office at 800-222-9918 for contacts where these devices may be purchased from.

2	EA	Precast Headwall	\$ 6,900.00 / EA	\$ 13,800.00
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Qty	UOM	Description	Unit Price	Total
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Precast attached headwalls will add approx. 4 ton to each end section.

Ledgestone Form Liner patter to match modular block wall per drawings. Engineer to approve closest available option.
Form liner included in headwall price.

4	EA	Precast Wingwall	\$ 23,000.00 / EA	\$ 92,000.00
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Proposed Precast Wingwalls (WWs) with attached Footings, the heaviest lift will weigh approx- 24 Tons/ea.

Note- These WWs are designed to be free standing, no connection to the end box sections, are required by design. If required by the Project Engineer/Owner, Galvanized Tie Plates to connect the WWs to the end bridge sections, along with all of the necessary anchors, bolts and hardware can be Purchased for \$500/ea. Typically, if required, they would use 2 ea. per WW connection

Ledgestone Form Liner pattern to match modular block wall per drawings. Engineer to approve closest available option. Form liner included in wing wall price.

2	EA	Precast Box Footing	\$ 3,000.00 / EA	\$ 6,000.00
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Proposed Precast Box Culvert footings will weigh approx. 4.5 ton each.

15x7

102	LF	15' x 7' Precast Box Culvert	\$ 2,060.00 / LF	\$ 210,120.00
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Proposed 15' x 7' Precast 4-Sided Box Culvert Sections will weigh approx- 30 Tons/ea.

4 ea. - Lifting cables of the proper capacity and length to safely offload and set all sections must be furnished by others.

Proposed Boxes will be manufactured to ASTM C-1577 Specifications w/ HL-93 Modified Loading.

Load Ratings for "As Designed" conditions as well as AASHTOWare Bridge BrR analysis, are included in the LF pricing.

All Proposed Precast End Treatments (HWs, Footings & WWs) using NCPI's proposed configurations (similar to what is shown in the plans) are subject to the approval of the Project Engineer.

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Qty	UOM	Description	Unit Price	Total
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8 ea.- Joint Ties per MDOT R-84A, (1 ea. per joint per side, for the end two joints at each end of the culvert) are included in the box LF cost.

Any additional Joint Ties that may be required, can be purchased for \$255.00/ea.

All required Joint Waterproofing (JWP) as well as any required Joint Filler are to be furnished and installed by others (typ).

Standard MDOT Joint Materials (butyl rope w/ primer, mastic, filter fabric and 12" external joint wrap w/primer) for this crossing are listed on the quotation, quantities are approximate.

Note- The bedding for all precast segments must be placed precisely to assure the sections are plumb to maintain proper alignment of the adjoined precast components. If any of the sections do not line up properly, they should be removed, the bedding regraded, and the sections re-installed.

PLEASE NOTE-

Timely delivery of the materials quoted are subject to many variables, some that are beyond our control (engineer review / approval, ordering / availability of raw materials, form availability, the weather and supply chain issues).

NCPI will not be responsible for project delays, subsequent fines, back charges, or liquidated damages for variables that are beyond our control.

NCPI will manufacture projects in the order that we receive final approval. It is the Contractor's responsibility to assist us in expediting our submittals through the process.

NOTE- Due to the very tight completion date requirements for this project, all facets for completing this crossing will be very tight to be able to meet the completion dates. NCPI will need final approval of the drawings by August 28th in order to have the crossing completed and cured by Early to Mid March 2027.

Note- Based upon the final design strength requirements for the concrete, additional cure times may also extend the timing required to deliver any segments that require over 5000 psi concrete.

As mentioned above, we build new orders in the order that we receive final approvals, if other projects come in that are received and approved previous to these newly quoted projects, this could delay the timing even further. Please cover yourselves for any additional time that you feel may be needed to complete the project as you see it.

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NOTE- It is the Contractor's responsibility to review our shop drawings for ALL types of lifting points that may be furnished for the precast segments. The Contractor must provide all lifting cables and lifting devices that will be required to match the various types of lifting points that will be furnished, to safely off-load and set in place all of the precast segments. NCPI will NOT furnish any of these required devices when the sections are delivered to the job site. Our dispatchers will attempt to confirm with your site personnel that they have all of the required lifting equipment before we will confirm delivery to the job site, to avoid any demurrage for truck delays caused by the required handling equipment not being on site at the time of delivery. If you do not have the required lifting devices, please contact our office at 800-222-9918 for contacts where these devices may be purchased from.

2	EA	Precast Headwall	\$ 20,000.00 / EA	\$ 40,000.00
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Precast headwall will weigh approx. 18 ton. Headwalls will be shipped separately from end box sections.

Proposed Precast HWs will be manufactured in an "L" shape. Holes will be cast through the bottom leg of the "L" for running rods through to connect to the end box section top slabs. All Required Galvanized anchors, threaded Rods and hardware are included in the HW pricing. The holes that are cast into the leg of the "L" will need to be grouted by the Contractor after the threaded rods are installed. The Grout must be furnished by others.

Ledgestone Form Liner patter to match modular block wall per drawings. Engineer to approve closest available option. Form liner included in headwall price.

4	EA	Precast Wingwall	\$ 48,800.00 / EA	\$ 195,200.00
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Proposed Precast Wingwalls (WWs) with attached Earth Anchors, the heaviest lift will weigh approx- 31 Tons/ea. WW's will be cast in sections to allow for shipping. Galvanized Tie Plates to connect the WWs to the end bridge sections as well as adjoining WW's segments. All of the necessary anchors, bolts and hardware are included.

The WWs must be shimmed up 1" above the top of the WW Footings, then grout placed between the bottom of the WWs and the Footings to provide uniform bearing for the WWs. Grout is also required between the back of the WW Footings and the Toe of the Earth Anchors (Approx.- 24" w X 6" deep). All Required Grout and Shims are to be furnished and installed by the contractor.

An estimated 4' W X 2' Thick Precast Spread Footing is included for each WW. they may be cast in sections, heaviest lift will be approximately 14 tons.

Based upon the soil bearing capacity, larger wing wall footings may be required pending final engineering design.

Ledgestone Form Liner pattern to match modular block wall per drawings. Engineer to approve closest available option. Form liner included in wing wall price.

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Qty	UOM	Description	Unit Price	Total
2	EA	Precast Box Footing	\$ 4,000.00 / EA	\$ 8,000.00

Proposed Precast Box Culvert footings will weigh approx. 5.5 ton each.

Miscellaneous

12x6

10	EA	1-1/2" x 10.5' EZ-Stik Carton (4/Box - 42')	\$ 2.42 / LF	\$ 1,016.40
2	EA	EZ-Primer No. 4 (1 Gallon)	\$ 78.00 / EA	\$ 156.00
3	EA	12" x 100' ConWrap CS-212 (2 - 50' rolls / box)	\$ 3.99 / LF	\$ 1,197.00
3	EA	ConSeal Primer CS-75 (1 Gallon)	\$ 78.00 / EA	\$ 234.00
7	EA	5 Gallon Pail Mastic	\$ 75.00 / EA	\$ 525.00
1	EA	36" x 360' Roll Mirafi 140N	\$ 400.00 / EA	\$ 400.00

15x7

16	EA	1-1/2" x 10.5' EZ-Stik Carton (4/Box - 42')	\$ 2.42 / LF	\$ 1,626.24
3	EA	EZ-Primer No. 4 (1 Gallon)	\$ 78.00 / EA	\$ 234.00
4	EA	12" x 100' ConWrap CS-212 (2 - 50' rolls / box)	\$ 3.99 / LF	\$ 1,596.00
4	EA	ConSeal Primer CS-75 (1 Gallon)	\$ 78.00 / EA	\$ 312.00
12	EA	5 Gallon Pail Mastic	\$ 75.00 / EA	\$ 900.00
2	EA	36" x 360' Roll Mirafi 140N	\$ 400.00 / EA	\$ 800.00

Accepted By: _____

Date: _____

Printed Name: _____

Sales Person: Michael Graebner

NORTHERN CONCRETE PIPE, INC.
STANDARD TERMS AND CONDITIONS

This Quotation is Seller's only method of acceptance of an order. Seller's acceptance is limited to the terms of this Quotation, and even if Buyer does not sign and return this document, Buyer's acceptance of delivery of materials hereunder shall serve as Buyer's confirmation that this document constitutes the parties entire agreement. If Buyer issues a document and/or Purchase Order of its own, this Quotation shall supersede the terms of Buyer's document. NCPI cannot sign any other purchase order to implement or confirm an order for this quotation.

All Quotations are open for acceptance by the Buyer for 30 days from the bid date, and if not accepted in its entirety and all submittals approved within that time, will be deemed to be withdrawn, unless otherwise agreed to in writing by the Seller. The Quantity, Size And Description of the materials in this Quotation are generally that of others, should not be relied on for bidding purposes and must be verified by Buyer at time of acceptance.

This Quotation may not be changed or modified except in writing and signed by Seller, and waiver by Seller of one provision herein, or one provision on one occasion, does not constitute waiver as to any other provision or waiver for other occasions.

Seller's prices do not include sales or use tax, any and all responsibility for which is assumed by Buyer.

Acceptance of Quotation shall be conditioned upon the Buyer establishing appropriate credit.

Payment terms are cash - due net in the month following the month of delivery and will be referred to in billing as Net 30th. If payment has not been received by the end of the second month following the month of delivery the account will be considered past due and shall be subject to a SERVICE CHARGE of one and one-half percent (1½%) per month thereafter on the unpaid balance representing a TIME-PRICE DIFFERENTIAL pursuant to MSA§19.15 (1). This amounts to an ANNUAL PERCENTAGE RATE of 18% per year. Any payment to NCPI by credit card will be charged an additional 3% fee added to the invoice total.

Unless this Quotation otherwise specifies in writing, it is made on the condition that full delivery will be taken within six (6) months from acceptance of order. Any product delivered after this period may be subject to an increase in price for each six (6) month period from acceptance of order up to the list price as shown on Manufacturers then current price list. Seller will invoice in full and charge two percent (2%) per month of the selling price for all products including boxes, bridges and 48" and larger (equivalent) diameter pipe and manholes not delivered within 30 days of the originally scheduled delivery date.

Materials are quoted F.O.B. tailgate of truck in truckload lots, during Seller's normal working hours, as near to jobsite as is accessible to trucks under own power, without risk of accident, vehicle damage, injury or undue delay. The purchaser shall provide and maintain suitable access roads to the project site for delivery of product. ONE (1) HOUR is the time allowed for unloading of truck - after that a delay on site fee of \$200.00 per hour will be assessed. Buyer may be assessed a delay in release fee, up to \$500.00 per load, for material that is released for shipment, loaded on trucks and then the release is delayed or canceled. Less than truckload lots delivered at \$4.80/mile each way.

Seller shall not be liable for nonperformance or delay in delivery due to acts of God, pandemic, disease or viral outbreak, labor disputes, local labor shortages, fire, war, terrorism, flood or other casualty, governmental regulations or requirements, shortages or failure of raw materials, supplies, fuel, power or transportation, breakdown of equipment, or any other causes beyond Seller's control, whether of similar or dissimilar nature than those enumerated. In no event shall Seller be liable for any consequential damages or claims resulting from failure or delay in delivery.

The products sold hereunder shall be subject to Seller's standard manufacturing variations, tolerances and classifications.

The Buyer will inspect Seller's products at the time of delivery and any claims in respect thereto (damage, shortage or other alleged cause) shall be made at that time by entering the full details thereof on the delivery receipt. Seller's liability for defective or shortage of product is limited to replacement of same at the Seller's cost, and Seller shall not be liable for consequential, indirect or incidental damages, including without limitation any liquidated damages or penalties of any kind which Buyer may incur. Seller assumes no obligations for expenses of any kind, whether arising from delays during replacement of materials for cause or otherwise.

Installation is under Buyer's supervision and is solely Buyer's responsibility. Seller vacuum tests sanitary sewer concrete pipe and will not assume any responsibility regarding Buyer's installation techniques and/or final air test results. Unless expressly agreed in writing and signed by Seller, Seller shall not be responsible for the results of any instructions or technical advice in connection with the design, installation or use of the products sold hereunder. A field representative of Seller may from time to time be present on the jobsite and will work with and be of assistance to Buyer but has no authority to modify this or other provisions hereof or otherwise bind Seller.

Special precast concrete products are not subject to cancellation or return and any special product not taken will be charged to Buyer at the quoted price plus a disposal fee. Other materials when returned for credit will be subject to freight charges and the acceptance of Seller with a minimum of 25% handling charge deducted from the saleable returns.

There are no warranties, representations, conditions or agreements between Seller and Buyer other than as set out in this Quotation. Quotation is subject to availability of materials from vendors and/or third party suppliers. There is no implied warranty or condition except an implied warranty of title to and freedom from encumbrance of, the products sold hereunder and in respect of products bought by description that they are of merchantable quality. SELLER EXPRESSLY DISCLAIMS ALL RESPONSIBILITY FOR DESIGN OF THE PROJECT BY OTHERS AS WELL AS HANDLING AND INSTALLATION OF THE MATERIALS BY BUYER AND DAMAGES ATTRIBUTABLE THERETO VOID ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED.

In the event the payment terms set forth in Paragraph 6 are not timely honored and Seller files a lien or asserts a claim against the bond, whichever is applicable, Buyer shall be responsible for and shall pay all of Seller's reasonable costs, including but not limited to, filing and recording fees, attorney fees, litigation expenses, court costs and expert fees.

Should any part or provision of this agreement be declared invalid, unenforceable, illegal or in conflict with any law, the validity and enforceability of the remaining portions or provisions or portions of provisions shall not be affected.

Returns: No special items may be canceled or returned for credit without paying full price plus a disposal fee of \$15.00 per ton. If customer returns standard stock items to our yard in good, saleable, truck ready condition credit will be 85% on standard, non-special items only. If NCP picks up and returns standard product that is in good condition the credit will be 75% less freight. If lightly damaged, but patchable standard products get picked up by NCP, the credit will be 25% less freight, since we will have to sell them as seconds. If NCP is forced to pick up product that is already in seconds condition, no credit will be issued for the material, and you will be invoiced for the cost to return the material, plus a \$15.00 per ton disposal fee. NCP will not pick up junk product for return, please dispose of it on the jobsite.

Accepted By: _____

Date: _____

Printed Name: _____

Sales Person: _____ Michael Graebner

If you require assistance accessing this information or require it in an alternative format, contact the Michigan Department of Transportation's (MDOT) Americans with Disabilities Act (ADA) coordinator at www.Michigan.gov/MDOT-ADA.

Michigan Department
of Transportation
0304 (05/2026)

Page 1 of 2

PROPRIETARY ITEM CERTIFICATION (PIC) AND PUBLIC INTEREST FINDING (PIF)

INSTRUCTIONS: A specific patented or proprietary material, specification, or process shall not be required on a contract except as permitted in Chapter 11 of the Road Design Manual (RDM). Use this form to certify or obtain approval of the use of a proprietary item on a project or group of projects.

PROPRIETARY ITEM OR PROCESS	
NAME OF PROPRIETARY ITEM OR PROCESS Precast Box Culvert	MANUFACTURER NAME, ADDRESS & PHONE NUMBER Northern Concrete Pipe, Inc. 4950 White Lake Road Clarkston, MI 48346

NEED FOR PROPRIETARY ITEM		
CHECK ONLY ONE		LOCATION
☒	Project Specific	Provide Job Number, CS/PRN and location Crescent Boulevard and Lee BeGole Drive Extension
☐	* Corridor Specific	Provide Corridor Description
☐	* Region-wide	Identify MDOT Region
☐	* Statewide	

* A corridor, region or statewide request will have a term of check only one.

☐	3 Years (Maximum allowable)	Specify date of term
☐	Other (Specify term)	Specify dates of term

CLASSIFICATION AND JUSTIFICATION

I hereby certify that the above named proprietary item or process is necessary as specified under the following classification(s) and justifications: (Check all that apply). See MDOT Road Design Manual Chapter 11 for definitions.

☒ Proprietary Item Certification (PIC) **

☒ Synchronization

☐ No Equally Suitable Alternative

☐ Public Interest Finding (PIF) ***

☐ Research and experimental purposes on short sections of road. Attach experimental work plan

** For Proprietary Item Certification (PIC), also select box for "synchronization" or "no equally suitable alternative". Synchronization includes function, aesthetics, logistics, or combination of these justifications. Approval signature is not required for a PIC. Retain the completed request form for available review on request in the project file.

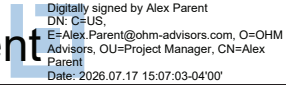
*** Public Interest Findings (PIF) are required when equally suitable alternatives are available, and the proprietary item is not needed for synchronization.

JUSTIFICATION (Required)

Justification consists of information that documents the reasons marked above for use of the proprietary item or process. For research or experimentation, include a work plan that describes how the research or experimental feature will be used and evaluated. Attach additional pages and documentation as necessary.

Due to long lead times, it was required to being the procurement of the box culverts for the Crescent Boulevard and Lee BeGole Drive Extension project during the design phase rather than the Contractor beginning procurement after bid award. Northern Concrete Pipe, Inc. was consulted with and ultimately selected as the fabricator of the box culvert. The City of Novi has a past relationship with Northern Concrete as they have performed a similar process of fabricating a box culvert, storing it on site, and delivering it once the Contractor is ready for receipt, specifically downstream on the very same Bishop Creek that this project resides on. Additionally, Northern Concrete is the industry-wide primary local vendor for such items. They also have historically had the best price and quality of products.

REQUEST CERTIFIED BY

NAME	TITLE (MDOT Project Manager or Local Public Agency Recipient)	SIGNATURE
Alex Parent, OHM Advisors	Project Manager	 Digitally signed by Alex Parent DN: C=US, E=Alex.Parent@ohm-advisors.com, O=OHM Advisors, OU=Project Manager, CN=Alex Parent Date: 2026.07.17 15:07:03-04'00'

APPROVAL SIGNATURE(S)

SIGNATURE - ENGINEER OF DESIGN (Required for NHS-MDOT Oversight PIF and experimental applications.)	DATE
SIGNATURE - LOCAL AGENCY PROGRAM ENGINEER (Required for Local Public Agency PIF and experimental applications.)	DATE