ADDENDUM #1  
May 13, 2021

TO: ALL Prospective Bidders

PROJECT: Term Contract for Biodiesel

BID REFERENCE #: 40509-016.0

BID OPENING DATE/TIME: May 20, 2021 @ 3:00 p.m. Local Time

The purpose of this addendum is to clarify and/or modify the Specifications for this project. All work affected is subject to all applicable terms and conditions of the Bidding and Contract Documents.

REPLACE

1. Replace SECTION II, BID AND AWARD, Page 2 with the attached REVISED SECTION II, BID AND AWARD page (Attachment D). The revised page has a check box to be used if net transportation volume is not required.

ADDITIONS

1. Biodiesel Fuel Specifications (Attachment B) must be completed by bidder and submitted with their bid.

2. Bidder Checklist (Attachment C) is being provided to assist bidders in submitting all required documentation with their bid.

RESPONSE TO QUESTIONS

1. Does the City of Kalamazoo have a list of BQ9000 certified facilities?

The City of Kalamazoo does not maintain a list of certified producers. BQ9000 certification is an accreditation program for producers and marketers of biodiesel. The program is a unique combination of the ASTM standard for biodiesel, ASTM D6751, and a quality systems program that includes storage, sampling, testing, blending, shipping, distribution, and fuel management practices.

Bidders can visit the web page https://bq-9000.org/ to learn more about BQ9000 certification and navigate within the web page to see a list of all BQ9000 certified producers. A direct link is available by clicking on https://bq-9000.org/companies/producers.aspx

A sample certificate is attached for reference (Attachment A). The specifications do not require that a bidder be listed on the BQ9000 website. The specifications do not require the sourced producer to be listed on the website, but do require certification that it was manufactured at a BQ9000 facility, and that the delivered product meets ASTM D7467 and specification table values listed within Attachment A of the bid documents.

Terminal specifications already require biodiesel blend stocks to be produced at/from BQ9000 facilities. Finished blended B10 (B11) or B20 picked up from the following terminals are considered approved and meeting the BQ9000 requirement.
BP Products North America
Buckeye Pipeline Holdings
Buckeye Terminals
CITGO
Country Mark Cooperative LLP
Exxon Mobile Oil Corp.
Marathon (and/or MPLX)
Sunoco Partners
U.S. Oil
U.S. Petroleum
Wolverine Pipeline Co.

The referenced terminals may or may not have biodiesel blends available, terminals may or may not be located in Michigan, Indiana and Illinois.

2. **There are no estimated gallons in these documents in order for us to be able to bid – Can this please be provided?**

Appendix A within the bid documents details the proposed estimated delivery gallons and locations each month.

3. **When it comes to deliveries, how many tanks will we be filling, what are the tank sizes and are the tanks above or underground?**

Both tank locations are below ground, underground gravity fill. There are several underground tanks at both locations. Proper tank identification and product verification is required to prevent misfueling.

The City of Kalamazoo located at 415 Stockbridge is an underground 6,000 gallon tank with a maximum from empty fill volume of 5,400 gallons. Attachment A within the bid documents estimates the delivery gallons at this tank to be 4,000 gallons of biodiesel.

The City of Portage tank located at 7719 S. Westnedge has underground 10,000 gallon tanks with a maximum from empty fill volume of 9,000 gallons each. Attachment A within the bid documents estimates the delivery gallons at this tank to be 3,500 gallons. Net transport volume product delivery will have to be placed into the appropriate tank.

Only Kalamazoo Oil will be authorized to transport net transportation volumes of other finished products to the 415 Stockbridge location.

4. **Bid documents reference B6 to B20 and appendix A references B20, what product(s) is the City of Kalamazoo requesting?**

The ASTM standard for biodiesel blends ranging from B6 to B20 is ASTM D 7467, this quality classification covers all biodiesel blends including B6, B7, B8, B9, B10, B11, B12, B13, B14, B15, B16, B17, B18, B19 and B20. The specification table values located in Attachment A within the bid documents, titled Biodiesel Fuel Specifications B6 to B20 hold true for all blends within this range. The Proposed Delivery Schedule details the proposed/anticipated blend by month; example for September 2021 a B20 blend is proposed. Current temperatures, forecasted temperatures, previous delivery blends and current actual tank blend by volume will be taken into consideration when transitioning into and out of cold weather. The City of Kalamazoo may order any load of biodiesel to be cut with premium diesel with the goal of achieving a final by volume blend of B10 to B11 for winter operations, or if conditions allow, step directly to B11 with existing B20 in the tank.

B11 is an acceptable alternative to B10.
5. Can the City of Kalamazoo describe the QA/QC process that will be utilized?

The City of Kalamazoo will be performing a biodiesel fuel quality control and quality assurance program to ensure that the biodiesel meets specifications. An outside lab (paid for by the City) will be collecting and analyzing samples drawn from the 415 Stockbridge pump six times over a 12-month period. Both warm weather and cold weather samples will be collected. This will occur during the contract period and will not be a component of the bid selection process. The contract award winner and active contract vendor will have an opportunity to be notified of the testing, when the testing is scheduled, will be allowed to split and duplicate to run their own independent testing and will be copied on all results and lab reporting information.

Bidders must submit BQ9000 certification (or sourced terminal verification), typical fuel property product data sheet(s) meeting or exceeding table values as detailed in Attachment A within the bid documents, product data sheets for any use of splash blended additives and certification that the final blended biodiesel meets or exceeds ASTM D 7467.

6. Can the BQ9000 produced B100 biodiesel meeting ASTM D6751 be blended with premium diesel to achieve the requested B6 – B20 biodiesel meeting ASTM D7467?

Yes, the specifications require that the petroleum base diesel making up 80% to 94% of the product volume must meet the Engine Manufacturers Association (EMA) definition of premium diesel fuel and the final blended biodiesel product must meet or exceed table values as detailed in Attachment A within the bid documents and ASTM D 7467.

Bidders may elect to splash blend an additive(s) to meet the premium diesel specification. Any use of splash blended additives must be approved by the manufacturer for use with biodiesel and ULSD. Splash blended additives must be registered with the EPA, approved for use in 2007 and newer on road engines and must not contain alcohol or water emulsifiers.

Bidders must submit product data sheets for any use of splash blended additives demonstrating biodiesel and ULSD compatibility. The City of Kalamazoo will verify EPA registration of proposed additives.

7. Was the pre-bid meeting recorded?

No

8. What if a bidder does not need/want to transport the net transportation volume to the City of Portage, they just plan to transport 4,000 gallons of B20 or B11 to Stockbridge?

This is fine, just check the box stating that the net transportation volume is not required (Attachment D). By checking this box the bidder agrees to transport just 4,000 gallons to Stockbridge and all transport costs shall be shown in the bid pricing.

Only Kalamazoo Oil will be authorized to transport net transportation volumes of other finished products to the 415 Stockbridge location.

9. Regarding winterization temperature specifications, a bidder or bidders may have challenges or difficulties meeting the specification EXACTLY; is there any allowance or tolerance for the -35 F W biodiesel requirement?

Bidders may blend No.1 distillate products and/or cold flow depressant additives to achieve the -35 F W biodiesel specification either by splash blend or in the refinery so long as lubricity, wear scar, flash point,
viscosity and all other specifications in Attachment A within the bid documents are met. If bidders still cannot explicitly meet the -35 F W biodiesel specification, indicate the closest obtainable result and provide an explanation.

Any use of splash blended additives must be approved by the manufacturer for use with biodiesel and ULSD. Splash blended additives must be registered with the EPA, approved for use in 2007 and newer on road engines and must not contain alcohol or water emulsifiers.

Bidders must submit product data sheets for any use of splash blended additives demonstrating biodiesel and ULSD compatibility. The City of Kalamazoo will verify EPA registration of proposed additives.

10. Regarding minimum cetane specifications, a bidder or bidders may have challenges or difficulties meeting the specification EXACTLY; is there any allowance or tolerance for the 47 cetane index?

Bidders may splash blend additives to achieve or increase fuel quality to meet any area of deficiency of the fuel specifications located in Attachment A within the bid documents. If bidders cannot explicitly meet the 47 cetane index minimum specification, indicate the closest obtainable result and provide an explanation.

Any use of splash blended additives must be approved by the manufacturer for use with biodiesel and ULSD. Splash blended additives must be registered with the EPA, approved for use in 2007 and newer on road engines and must not contain alcohol or water emulsifiers.

Bidders must submit product data sheets for any use of splash blended additives demonstrating biodiesel and ULSD compatibility. The City of Kalamazoo will verify EPA registration of proposed additives.

The Addendum can be viewed and downloaded from the City’s website at https://www.kalamazoocity.org/bidopportunities.

In order for a bid to be responsive, this addendum must be returned with your bid.

If you have already submitted your bid, acknowledge receipt and acceptance of this addendum by signing in the place provided and returning it to the undersigned and it shall be incorporated in your bid. Please identify your return envelope with the bid reference number and project description.

Sincerely,

Michelle Emig  
Purchasing Division Manager

c:  Brianna Clawson, Public Services

FIRM: ___________________________________________  SIGNED: ___________________________________________

NAME: ___________________________________________  DATE: ___________________________________________

(Type or Print)
ADDENDUM #1

Attachment A
Sample BQ9000 Certification

Term Contract for Biodiesel

Bid Ref#: 40509-016.0

May 2021
This Certifies

Cargill Inc

as a BQ-9000 Producer

Commencing on This 23rd day of August, 2006


Authorized by:

Jeannie Maxwell, National Biodiesel Accreditation Commission Chairman

Registration Number: 060823008

Date: 08/30/18

Endorsed by the National Biodiesel Accreditation Commission and the National Biodiesel Board
ADDENDUM #1

Attachment B
Biodiesel Fuel Specifications
(to be completed and submitted with bid)

Term Contract for Biodiesel

Bid Ref#: 40509-016.0

May 2021
### Biodiesel Fuel Specifications B20 - SUMMER

<table>
<thead>
<tr>
<th>Property</th>
<th>Grade B20 ULSD</th>
<th>Proposed Quality Data Including all Additives</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acid number, mg KOH/g, max</td>
<td>0.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity, mm²/s at 40°C</td>
<td>1.9-4.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Flash point, °F, min</td>
<td>126</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cloud point, °C, max or LTFT/CFPP, °F, max</td>
<td>+20F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulfur Content, (µg/g or ppm)</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillation temperature, °F, 90% evaporated, max</td>
<td>649</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ramsbottom carbon residue on 10% bottoms, mass %, max</td>
<td>0.35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cetane Index, min</td>
<td>47</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ash Content, mass %, max</td>
<td>0.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water, ppm, max</td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper Corrosion, 3 h @ 50°C, max</td>
<td>No. 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biodiesel Content, % (V/V)</td>
<td>20</td>
<td>20% or Indicate</td>
<td></td>
</tr>
<tr>
<td>Oxidation Stability, hours, min</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conductivity (pS/m) or Conductivity Units (C.U.), min</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubricity, HFRR @ 60°C, (micron µm), max</td>
<td>460</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detergency L10 - Injector CRC Rating, max</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bacteria &amp; Fungus, CFU/mL, max</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sediment, G/M³, max</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accelerated Thermal Stability, % Reflectance</td>
<td>80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Biodiesel Blends (B6 to B20) Shall be Sourced from B100 Manufactured by a BQ9000 Certified Facility Meeting ASTM D7467

Write "Not Available" if unable to get information from refinery or terminal source

### Biodiesel Fuel Specifications B10 (B11) - WINTER

<table>
<thead>
<tr>
<th>Property</th>
<th>Grade B11 ULSD</th>
<th>Proposed Quality Data Including all Additives</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acid number, mg KOH/g, max</td>
<td>0.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity, mm²/s at 40°C</td>
<td>1.9-4.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>*Flash point, °F, min</td>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cloud point, °C, max or LTFT/CFPP, °F, max</td>
<td>-35F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulfur Content, (µg/g or ppm)</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillation temperature, °F, 90% evaporated, max</td>
<td>649</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property</td>
<td>Value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------------------------------------------------------</td>
<td>------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ramsbottom carbon residue on 10% bottoms, mass %, max</td>
<td>0.35</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cetane Index, min</td>
<td>47</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ash Content, mass %, max</td>
<td>0.01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water, ppm, max</td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper Corrosion, 3 h @ 50°C, max</td>
<td>No. 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biodiesel Content, % (V/V)</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10% or Indicate (B11 is 11%)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidation Stability, hours, min</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conductivity (pS/m) or Conductivity Units (C.U.), min</td>
<td>25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubricity, HFRR @ 60°C, (micron µm), max</td>
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</tr>
<tr>
<td>Detergency L10 - Injector CRC Rating, max</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bacteria &amp; Fungus, CFU/mL, max</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sediment, G/M³, max</td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accelerated Thermal Stability, % Reflectance</td>
<td>80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biodiesel Blends (B6 to B20) Shall be Sourced from B100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manufactured by a BQ9000 Certified Facility Meeting ASTM D7467</td>
<td>Write &quot;Not Available&quot; if unable to get information from refinery or terminal source</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ADDENDUM #1

Attachment C
Bidder Checklist

Term Contract for Biodiesel

Bid Ref#: 40509-016.0

May 2021
Bidder Checklist

1. Fill out pricing information and include all additive costs within fuel cost, reported as a total per gallon cost. Fill out per gallon transportation cost and indicate if net transportation volumes are needed. If net transportation volume is not needed there is no need to provide pricing for conventional diesel or 87 octane gasoline.

2. Include and attach rack pricing certification for 5-17-2021.

3. Fill out the product specifications for both B20 and B10 (B11), provide comments where needed and indicate obtainable values where deviation from the max/min of the specification occurs. Include any product data sheets provided by the refinery and/or terminal.

4. Provide product data sheets for any additive(s). Product data sheets must state that the additive is compatible with biodiesel and approved for ULSD.

5. Provide BQ9000 certification or bill of lading, product data sheet, or sourcing documentation proving biodiesel obtainment from one of the following terminals or refineries:
   - BP Products North America
   - Buckeye Pipeline Holdings
   - Buckeye Terminals
   - CITGO
   - Country Mark Cooperative LLP
   - Exxon Mobile Oil Corp.
   - Marathon (and/or MPLX)
   - Sunoco Partners
   - U.S. Oil
   - U.S. Petroleum
   - Wolverine Pipeline Co.

6. Complete and fill out items required by Purchasing (non-technical, non-pricing)
ADDENDUM #1

Attachment D

REVISED BID AND AWARD Page

Term Contract for Biodiesel

Bid Ref#: 40509-016.0

May 2021
REVISED
SECTION II
BID AND AWARD

The undersigned, having fully familiarized him/herself with all the bid documents, specifications, terms and conditions of the IFB, hereby proposes to furnish biodiesel fuel delivered as specified in Attachment A delivery schedule, at the following prices, subject to rack price adjustment:

*IMPORTANT: The posted rack price for biodiesel shall be used for determining delivered price at time of bid opening. Verification of rack price shall be submitted with the bid.

<table>
<thead>
<tr>
<th>BIODIESEL</th>
<th>5/17/2021</th>
<th>*RACK PRICE</th>
<th>MARKUP</th>
<th>Delivery Fee</th>
<th>DELIVERED PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VIA TRUCK TRANSPORT</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biodiesel B6 to B20</td>
<td>$__________</td>
<td>+ $_______</td>
<td>+ $_____</td>
<td>= $____________</td>
<td></td>
</tr>
<tr>
<td>+Unleaded Gasoline, 87</td>
<td>$__________</td>
<td>+ $_______</td>
<td>+ $_____</td>
<td>= $____________</td>
<td></td>
</tr>
<tr>
<td>+Petroleum Diesel, No.2</td>
<td>$__________</td>
<td>+ $_______</td>
<td>+ $_____</td>
<td>= $____________</td>
<td></td>
</tr>
</tbody>
</table>

**Check box if net transportation volume is not required.**

**Bills of lading will be required to show product origination, certification that it was manufactured at a BQ-9000 facility, and that the delivered product meets ASTM D7467.**

**DELIVERY ADDRESSES:**

City of Kalamazoo Water/Fleet Department
415 Stockbridge, Kalamazoo, MI
-Biodiesel blends B6 to B20

City of Portage Fleet Department
7719 S. Westnedge, Portage, MI
+Net transported conventional gasoline or petroleum ASTM D975 diesel product(s)

Bidder/Contractor has examined and carefully studied the bidding documents and attachments, and acknowledges receipt of the following addenda:

Addendum No: __________ __________ __________ __________ __________
Dated: __________ __________ __________ __________ __________

Bidder shall provide all of the information as requested herein with their bid. **Failure to do so and/or failure to provide post-bid requested information may be cause for rejecting the bid as non-responsive.**

The City encourages the use of local labor in fulfilling the requirements of this contract.

**This contract is governed by the laws of the State of Michigan**

By my signature below, I certify that the firm bidding on this contract, when making hiring decisions, does not use a past criminal conviction as a bar to or preclude a person with a criminal conviction from being considered for employment with the bidding firm unless otherwise precluded by federal or state law. I further certify that I have read and agree to be bound by the provisions of the City’s Non-Discrimination Clause found in Appendix A as updated by City Ordinance 1856.

Signed: ________________________________________ Name: ________________________________
Title: _________________________________________