ADDENDUM NO. 1

RFP No. 20-12

NM 118 Safety Improvements MP 27- MP 30

9/19/2019

To Whom It May Concern:

The New Mexico Department of Transportation (NMDOT or Department) conducted the Pre-Proposal Conference for RFP No. 20-12 on September 19, 2019. Attached to this addendum No. 1 are the power point presentation and the pre-proposal conference sign in sheets. It shall be the responsibility of the interested Offerors to adhere to any changes or revisions to the RFP as identified in this Addendum No. 1. This documentation shall become permanent and made part of the Department’s procurement file.

Revisions to RFP 20-12:

Appendix A of RFP 20-12 is hereby deleted and replaced with the following:

APPENDIX A – PROJECT INTRODUCTION AND SCOPE OF WORK

RFP information for NM 118 Safety Improvements MP 27- MP 30.00

Scope of Work for the RFP – CN 6101290 NMDOT District Six

Design of Countermeasures: NM 118 Begin MP 27.00 to MP 30.00

Route: NM 118
Limits: MP 27.00 to 30.00
Total Length: 3.00 miles
NMDOT District: 6
County: McKinley County
Functional Classification: Major Arterial
Terrain Type: Level
Construction Programmed Year: 2020
Anticipated Letting Date: February 2020
Project Development Engineer: TBD
Urban or Rural: Rural

Existing Conditions:
The subject segment of NM 118 is between Rehoboth Drive and NM 566
(approximately MP 27.00 to 30.00) located in McKinley County on the east side of
Gallup, NM. NM 118 route is classified as a principal arterial within the proposed
design area. The segment traverses commercial areas along 118 connecting to NM
566 for destination to several small communities on the west side. Typical section for
NM 118 is a two lane arterial, 12 foot lanes in both east bound and west bound
direction. Presence of a casino on the north side of the NM 118 segment has increased
the traffic volume from both directions.

Fees:
It is the intent of the NMDOT to negotiate a fixed price for each of the following services:

- Preliminary and final Design of turn lanes and curbs,
- Preliminary and final Design to add a shoulder width of 8ft for a length of 2.3 miles,
- Preliminary and final Design for re-building Wingwalls at Sundance Road,
- Survey, environmental, geotechnical, pavement recommendations, ROW as needed, sub-service utility locate (SUE) services, including all certifications will be required by Engineer.
- The project design shall be conducted in accordance with the latest edition of the NMDOT Specification, Construction Drawing Standards and FHWA Procedures and Guidelines.
Based on available funding, NMDOT may elect to negotiate a fixed price for Phase III (Construction Engineering Services) before the construction of the above items.

Scope of Work:
The purpose of the project is to complete the design and construction of the recommendations by the New Mexico Department of Transportation (NMDOT) District Six Road Safety Audit completed for NM 118, MP 27.00 to MP 30.00 in 2016. The goal is to achieve safety by eliminating or reducing pedestrian and motorized vehicle crashes and conflicts. The Navajo Division of Transportation has taken the responsibility of designing and construction the roadway lighting for the same termini of the roadway. The Engineer will coordinate with NDOT to avoid design and construction conflicts.

- Design Turn lanes including acceleration lanes at the following locations:
  - EB right turn lane, NM 118 to Rehoboth Drive.
  - EB right turn lane, NM 118 to Sundance Road.
  - EB left turn lane NM 118 to NM 566.
  - SB right turn lane NM 566 to NM 118.
- Design 8ft shoulder width to be added on both side of NM 118 from El Paso Circle to NM 566 (2.3 miles). Includes culvert extensions at eight location but not to include realignment.
- Design Curbs to where is it possible at the East and West entrance of the casino to channelize traffic and help keep vehicular traffic form traveling outside of the paved roadway and entrances.
- Design for re-building Wingwalls at Sundance Road. Work will include removal of existing Wingwalls, cutting back existing fill slope, and rebuilding Wingwalls to provide additional intersection sight distance.
In accordance with information provided herein, the following primary tasks are to be completed by the Engineer:

- Provide preliminary (30% completion), pre-final (60% completion), constructability review, final (90% completion), and PS&E (100% completion) plans. Each submittal shall be accompanied by an estimate of construction costs. Project plans shall be prepared using current NMDOT standards for general content and format.
- Inventory of Existing Conditions including Environmental Conditions.
- Detailed Evaluation of Recommended Alternatives.
- Public Involvement Plan and Program Implementation.
- Identification of Right-of-Way Impacts of Alternatives.
- Field exploration and lab testing.

1. Preliminary and Final Design of all items:
   a. Description:
      This work includes the preparation of plans and associated documents required to advertise and let the project, and coordination of all design review meetings. The preliminary design plans shall include, but are not limited to, the following:
• General Sheets
  o Title Sheet
  o Vicinity Map
  o Project Layout Sheet (if applicable)
  o Index of Sheets
  o Summary of Quantities
  o General Notes
  o Environmental Commitment

• Miscellaneous Sheets
  o Typical Sections
  o Miscellaneous Details
  o Surfacing Schedule
  o Structure Quantities
  o Miscellaneous Details
  o Erosion and Sediment Control
  o Seeding and Landscaping (if applicable)
  o Boring logs

• Plan and Profiles Sheets

• Bridge Section Sheets (wing wall details)

• Traffic Control Plans
  o Notes
  o Sequence of Construction
  o Sign Face Details
  o Traffic Control Plans: The Engineer is to develop a proposed sequence of construction and traffic control plan for the construction of the project in consideration of the following requirements:
- At least two through lane of traffic shall be maintained on NM 118 in each direction at all times during construction. Total roadway closures shall not be permitted.

- No detours will be permitted.

- Permanent Signing and Striping Plans
  - Plans depicting signing and striping
  - Sign Face Details

- Drainage Plans (if needed)
  - Plan and Profile
  - Structure Sections
  - Structure Details

- Standard Drawings

The Engineer shall conduct a Preliminary Field Review (PFR). The PFR will be held to establish the detail scoping and priorities for the project.

Preparation of these plans will include but is not limited to survey, pavement cores and design, slope analysis, and barrier length of need.

Provide preliminary (30% completion), pre-final (60% completion), constructability review, final (90% completion), and PS&E (100% completion) plans for the project. Each submittal shall be accompanied by an estimate of construction costs. Project plans shall be prepared using NMDOT standards for general content and format.

The Engineer shall submit the draft contract book during the design submittal of the pre-final (60%) submittal. In developing the draft contract book, the Engineer shall use the NMDOT PS&E Section’s most recent boilerplate contract book. The draft contract book shall
include, but is not limited to, the following:

- Project Specific Notices to Contractors
- Standard Notices to Contractors
- Project Specific Special Provisions

b. Deliverables

The Engineer shall submit and distribute ten (10) bound sets of plans (11” x 17” reduced) and one (1) CD containing an electronic file (.pdf format) of plans for the design submittals. Each submittal shall be accompanied by an estimate of construction costs. The Engineer shall submit and distribute one (1) bound sets of the draft contract book beginning at the pre-final (60%) submittal.

The Engineer shall provide minutes of all meetings, including comments received, and responses which include corrective action for the PDE. These minutes and design reports will be submitted within two (2) weeks of the plan review meeting.

All design data and computer-aided-drafting (CAD) drawing files supplied under contract shall be produced and submitted to the NMDOT in a native Autodesk® (.dwg) file format at the current department standard version. The NMDOT is currently utilizing Autodesk® AutoCAD 2013 and Autodesk® AutoCAD Civil 3D 2013 as its standard version.

2. Survey and Mapping

a. Description

The Engineer/Surveyor shall provide required location and topographic survey for the entire project limits suitable for the design
task. Existing right-of-way shall be surveyed and made known with
the location survey and mapping deliverables, along with but not
limited to, all fences, structures, utilities, signs, break-lines, and
encroachments. Encroachments, if applicable, shall include owners
name and address with perpendicular distance(s) from right of way.
All surveying and mapping activities shall be performed by a qualified
Professional Surveyor licensed in New Mexico and shall meet the
Minimum Standards for Surveying in New Mexico (12.8.2 NMAC).
The Engineer/Surveyor is responsible for establishing primary project
control if not provided by the NMDOT Geodetic Unit, and shall
prepare a Project Control Map per the NMDOT’s requirements. The
engineer is responsible for coordinating all surveying and mapping
efforts required for design and determination of right-of-way impacts
due to design. The Engineer shall submit the man hour and fee
proposal for the location survey and mapping efforts to the PDE for
review by the Survey and Lands Engineering staff

**Deliverables**

Survey files, Survey notes, Survey control sheet stamped by a
Professional Surveyor licensed in New Mexico.
All survey and mapping files shall be produced and submitted to the
NMDOT in a native Autodesk® (.dwg) file format at the current
department standard version. The NMDOT is currently utilizing
Autodesk® AutoCAD 2013 and Autodesk® AutoCAD Civil 3D 2013
as its standard version. Electronic files submitted shall include, but are
not limited to, geometry, points, surfaces, alignments, aerial imagery if
acquired for photogrammetric mapping, coordinate system details,
calibration reports, survey notes, survey field books (electronic and
scanned field books with structure details), and survey data collection files.

3. Pavement Design

Pavement Subgrade Soils Field Exploration and Laboratory Testing

- Engineer will be required to provide field exploration consisting of the following:
  - Subgrade testing at 1/4 mile intervals to depths of 5 feet below existing surfacing. SPT N-blow counts will be required.
  - Thickness of existing base and other pavement strata where encountered.
  - Coordinate contract laboratory testing with NMDOT Pavement Management and Design Bureau (505.795.4927).

- For purpose of proposal, estimate 2 soil samples per ¼ mile for entire length of project, in one direction. Perform the following geotechnical laboratory tests on each sample according to applicable AASHTO standards including, but not limited to, the following:
  - Sieve Analysis (including Minus No. 200 Wash);
  - Atterberg Limits;
  - Moisture Content;
  - R-Value.
  - Resilient Modulus (AASHTO T307-Current) – Estimate 2 Tests. Samples to be chosen by NMDOT.

At completion of subgrade laboratory testing, the Engineer shall provide results to Pavement Management and Design Bureau for review.

At that time, an assessment will be made by the NMDOT pavement engineer to determine if lime stabilization testing will be required.
Samples shall be held by the Engineer until the assessment for lime stabilization testing result has been made.

- For purpose of this proposal, provide cost estimate for stabilization testing services. Perform the following geotechnical laboratory tests on each sample to be tested for lime stabilization according to applicable AASHTO standards including, but not limited to, the following:
  - Lime stabilization testing
    - Eades and Grimes (ASTM D 6276)
    - Lime content of 3, 5, 7%
    - Sulfate content (AASHTO T290) – estimate 10 samples
    - R-value on stabilized sample – estimate 3 tests
    - Compressive Strength on stabilized sample – estimate 3 tests

4. Drainage Design
   a. Description
      The Engineer shall provide drainage design.
   b. Deliverables
      Drainage design report including calculations, and all supporting models and calculations. Drainage design sheets including profiles and details.

5. Sub-Surface Utility Engineering (SUE) and Coordination
   Utility Coordination will be provided by the Engineer. Quality Level C is assumed for this project. QL-C involves obtaining information by surveying and plotting visible aboveground utility features and using professional judgment in correlating the information to Quality Level D. This activity is called “Locating”. For areas of critical concern, Quality Level B Designating may be required.
6. **Environmental Services**

The use of federal funds for construction of this project requires adherence to federal and state law including, but not limited to the National Environmental Policy Act (NEPA), which requires the identification and assessment of impacts associated with a proposed action, and mitigation of impacts if necessary.

The environmental investigation and documentation process shall be completed by the Engineer for all preliminary and final design items included in this RFP.

Any specific additional effort that is required shall be defined and negotiated with the Engineer and amended to the contract if necessary.

7. **Coordination**

The Engineer shall be responsible for all coordination necessary to accomplish the work required by the contract. This responsibility shall include coordination with all property owners and federal, state, city, county, schools, local and tribal governments, and other agencies or stakeholders having jurisdiction or interest in the project. This will include obtaining approvals and/or concurrence on all work that is to be completed by the Engineer including work completed by sub-contractors working under this contract. For any required formal (written) approvals, the Engineer will provide the Department with all required data and draft letters of transmittal. The Engineer shall also be responsible for documentation of all coordination efforts and, as required, providing project status presentations to NMDOT management, local government, or other stakeholders.
a. Meetings
This work will include coordination with the Department’s PDE in scheduling design review and other meetings.

b. Agency Coordination
Agency coordination will include any agency with management responsibilities, all agencies with sensitive resource responsibilities and any agency that may have permit authority for project activities. The appropriate local, county, and state agencies, the public and other interested agencies will be contacted to insure that the community and governmental concerns are identified and considered for inclusion in the design development of the project. It is anticipated that coordination with the agencies listed below will be required during the design and construction of this project:
New Mexico Department of Transportation (NMDOT)
- McKinley County
- Navajo Tribal Government / NDOT
This list is for information only and not intended to be the final list of agencies to be contacted.

8. Quality Control Plan
A Project Specific Quality Control Plan is required for each phase or separate work item of this project. The specific requirements are outlined in the Consultant Services Procedures Manual & Handbook.

NMDOT Shall Provide:
The NMDOT will furnish the following to the Engineer. However, the NMDOT may choose to have the Engineer perform all or part of these services. If any of the services listed below are required from the Engineer, each service will be initiated through contract negotiations or by amendment to the Contract.
• A Project Development Engineer from the NMDOT staff to serve as an engineering liaison for the project.

• Current ESALs and 20 year projected ESALs.

• Available crash data.

• As-Built Plans.

• Pavement Recommendations. (NMDOT will require Engineer to provide the necessary field testing.)

• Field exploration Activities, including FWD, field data logs, pavement coring, and subgrade soil sampling.

• Soil testing results, including moisture content, Atterberg Limits, and R-Values. Include boring logs in plans.

• NMDOT staff to provide oversight of Utility Coordination.

• NMDOT staff to provide Environmental oversight.

• Verification of right-of-way mapping.

• Review of all reports and plans.

• Hazardous material investigations, if warranted.

If there are any questions or inquiries in relation to this Addendum No. 1, Offerors may contact Margo Gomez at (505) 470-2784 or by email at Margo.Gomez@state.nm.us.
NM 118 SAFETY IMPROVEMENTS
MP 27 – MP 30
RFP 20-12 – District 6
Pre-Proposal Conference

Wednesday, September 18, 2019
Marticia Holiday (Engineer Support T/LPA, Dist. Six)
CN# 6101290 – This project consists of the development of all documents associated with the planning and design details for safety improvements along a corridor NM 118.

The safety improvements are along NM 118 from milepost 27 to milepost 30 located parallel to I-40.
Existing Conditions:

1) NM 118 route is classified as principal arterial within the proposed design area.

2) NM 118 has several existing intersections and/or driveway entrances within the corridor.

3) Typical section for NM 118 is a two lane arterial (12’) in both east bound and west bound.

4) The intersection with NM 566 has existing roadway lighting. Currently the Navajo Nation is designing a lighting project from the entrance of the casino to the intersection of NM 566. Engineer will coordinate for any impact of lighting project on this safety. (MP 28 to MP 29.6)

5) Project appears to be entirely located with the Navajo Nation
Scope of Work for the project includes the following:

1) Detailed Project Scoping Report
   1) Adding 8’ shoulder width
   2) Add turn lanes and acceleration lane
   3) Add Curbs to delineate entrances
   4) Rebuild Wingwalls at Sundance Road

2) Location and Topographic Mapping - includes Property Ownership Maps, ROW Maps, Monumentation (if necessary)
NM 118 Safety Improvements
MP 27 – MP 30
RFP 20-12 – District 6
Pre-Proposal Conference

(continues) Scope of Work for the project includes the following:

3) Pavement Design and Bridge Design (Wingwalls), Roadway/Shoulder design
4) Drainage Analysis and Design
5) Environmental Services
6) Preliminary and Final Design following the NMDOT submittal and review process – includes all project certifications, contract book and project estimates at every scheduled submittal.
NM 118 Safety Improvements
MP 27 – MP 30
RFP 20-12 – District 6
Pre-Proposal Conference

(continues) Scope of Work for the project includes the following:

7) Coordination – project development meetings, includes all stakeholder coordination and public meetings as needed to comply with the environmental regulations throughout the design process

8) Quality Control
Project Schedule:

1) Project is currently scheduled for planning and design.
NM 118 Safety Improvements
MP 27 – MP 30
RFP 20-12 – District 6
Pre-Proposal Conference

Any questions?
NON-MANDATORY PRE-PROPOSAL CONFERENCE
New Mexico Department of Transportation
Engineering Consultant Services
Date: September 18, 2019

<table>
<thead>
<tr>
<th>RFP No.</th>
<th>CN &amp; PN</th>
<th>RFP Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-11</td>
<td>E100320</td>
<td>NM 213 Intersection w/NM 404 Phase A/B Alignment Study through Phase I-D</td>
</tr>
<tr>
<td>20-12</td>
<td>6101290</td>
<td>NM 118 Safety Improvements MP 27 – MP 30</td>
</tr>
<tr>
<td>20-13</td>
<td>6100970</td>
<td>US 491 and Carbon Coal Road</td>
</tr>
<tr>
<td>NAME</td>
<td>ORGANIZATION</td>
<td>E-MAIL</td>
</tr>
<tr>
<td>-----------------------</td>
<td>------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Roy Gibson</td>
<td>Bohannon Huston</td>
<td><a href="mailto:RGIBSON@BHINC.COM">RGIBSON@BHINC.COM</a></td>
</tr>
<tr>
<td></td>
<td>Inc.</td>
<td></td>
</tr>
<tr>
<td>Stephanie Parra</td>
<td>NMDOT</td>
<td><a href="mailto:Stephanie.parra@state.nm">Stephanie.parra@state.nm</a></td>
</tr>
<tr>
<td>Tim Burnos</td>
<td>Aerotech Mapping</td>
<td><a href="mailto:Timburnos@atmiv.com">Timburnos@atmiv.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrea Linnan</td>
<td>NMDOT</td>
<td><a href="mailto:andrea.linnan@state.nm">andrea.linnan@state.nm</a></td>
</tr>
<tr>
<td>Jacobo Pacheco</td>
<td>Maser</td>
<td><a href="mailto:jpcacheo@maserconsulting.com">jpcacheo@maserconsulting.com</a></td>
</tr>
<tr>
<td>Jenice Willsos</td>
<td>Wood</td>
<td><a href="mailto:jenice.gti@casewood.com">jenice.gti@casewood.com</a></td>
</tr>
<tr>
<td>Robert Luna</td>
<td>SMA</td>
<td><a href="mailto:robert.luna@sierra.com">robert.luna@sierra.com</a></td>
</tr>
<tr>
<td>Art Garcia</td>
<td>Stantec</td>
<td><a href="mailto:art.garcia@stantec.com">art.garcia@stantec.com</a></td>
</tr>
<tr>
<td>Donnie Durman</td>
<td>Wilson &amp; Company</td>
<td><a href="mailto:donniemd@wilsonco.com">donniemd@wilsonco.com</a></td>
</tr>
<tr>
<td>Chris Baca</td>
<td>Parametrix</td>
<td><a href="mailto:cbaca@parametrix.com">cbaca@parametrix.com</a></td>
</tr>
<tr>
<td>G. Thorow</td>
<td>Maser</td>
<td><a href="mailto:gthorow@maserconsulting.com">gthorow@maserconsulting.com</a></td>
</tr>
<tr>
<td>Bobby O.</td>
<td>Cobb Pendlng</td>
<td><a href="mailto:boit.2@cobb.pendlng.com">boit.2@cobb.pendlng.com</a></td>
</tr>
<tr>
<td>Don Terillo</td>
<td>Cobb Pendlng</td>
<td><a href="mailto:DTerillo@cobb.pendlng.com">DTerillo@cobb.pendlng.com</a></td>
</tr>
<tr>
<td>Habib Ablekhani</td>
<td>Horseheads</td>
<td><a href="mailto:habib.e@horseheads.com">habib.e@horseheads.com</a></td>
</tr>
<tr>
<td>Zach Trancia</td>
<td>Parana trix</td>
<td><a href="mailto:ZTrancia@parana.trix.com">ZTrancia@parana.trix.com</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAME</td>
<td>ORGANIZATION</td>
<td>E-MAIL</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>Anthony Caprio,lio</td>
<td>Bohannan Huston Inc.</td>
<td><a href="mailto:acaprio91@bhinc.com">acaprio91@bhinc.com</a></td>
</tr>
<tr>
<td>Andrea Gandara</td>
<td>NMDOT-Dix</td>
<td><a href="mailto:andrea.gallaga@state.un">andrea.gallaga@state.un</a></td>
</tr>
<tr>
<td>Martin Holiday</td>
<td>NMDOT-Dix</td>
<td><a href="mailto:martin.holiday@stern.com">martin.holiday@stern.com</a></td>
</tr>
<tr>
<td>Gail Byrd</td>
<td>WHPacific</td>
<td><a href="mailto:gail.bryde@wphproject.com">gail.bryde@wphproject.com</a></td>
</tr>
<tr>
<td>Dawn Howard</td>
<td>HDR</td>
<td><a href="mailto:dhoward@hdrinc.com">dhoward@hdrinc.com</a></td>
</tr>
<tr>
<td>Clay Wiegand</td>
<td>MASON Consulting</td>
<td><a href="mailto:cwiegand@masonconsulting.com">cwiegand@masonconsulting.com</a></td>
</tr>
<tr>
<td>Nuria Ortiz</td>
<td>Stantec</td>
<td><a href="mailto:nuria.ortiz@stantec.com">nuria.ortiz@stantec.com</a></td>
</tr>
<tr>
<td>Mario Suarez Infante</td>
<td>Wilson &amp; Company</td>
<td><a href="mailto:mario.suarez-infante@wilsonco.com">mario.suarez-infante@wilsonco.com</a></td>
</tr>
<tr>
<td>Tracy Chiado</td>
<td>Wilson &amp; Company</td>
<td><a href="mailto:tracy.chiado@wilsonco.com">tracy.chiado@wilsonco.com</a></td>
</tr>
<tr>
<td>Jim Barrera</td>
<td>Harrocks Engineers</td>
<td><a href="mailto:jimb@harrocks.com">jimb@harrocks.com</a></td>
</tr>
</tbody>
</table>