Montana Fish, Wildlife & Parks

# ADDENDUM NO. 1

TO: ALL BIDDERS OF RECORD

PROJECT: Hell Creek State Park Infrastructure Upgrades

FWP PROJECT #: 7176101
DATE: July11, 2018

FROM: Darcy Yakoweshen, Montana FWP Project Manager

**Acknowledge receipt of this addendum by inserting its number and date in the Proposal Form and on the Bid Envelope. Failure to do so may subject bidder to disqualification.**

This Addendum forms a part of the Contract Documents. Clarification and/or modifications area as follows:

## DRAWINGS

**1. Sheet CG107 – Makoshika Road Drainage Plan**

Change Note 5 to read: Use Class 5 Culvert with Class V Cement.

**2. Sheet CS501 – Typical Road Sections**

Add the following to Flag Note 6. Shoulder gravel placement applies to the whole road project where adequate width allows placement. Prepare road shoulder by removing organic soils and vegetation prior to gravel placement. Dispose of removed material off-site.

Add the following to Flag Note 7. Match width to existing edge of road. Incorporate 11% cement in CTB.

**3. Sheet CS502 – Typical Road Sections**

Subexcavation Section. Add Note 3. Incorporate 11% Cement in Upper CTB (7 inch) section. Incorporate 7% Cement in Lower CTB (11 inch) Section.

## SPECIFICATIONS

**1. Bid Proposal, Base Bid**

Change Item 1 Mobilization, Bonding & Submittals to read.

(Max 10% of Total Base Bid)

**2. Special Provision 10**

Add to Special Provision 10. Construction Surveys by Contractor 10.A

Electronic survey data is available to bidders. Contact Engineer to obtain.

**3. Special Provision Section 12**

Add the following to Special Provision Section 12 SITE ACCESS, Paragraph A.

The Makoshika State Park Road will be closed and the construction is slated to start **August 20, 2018.**

**4. Special Provision 22**

Add the following paragraph to Special Provision 22. FULL DEPTH RECYCLING WITH CEMENT TREATED BASE. 22. B.

B. 3. The CTB Mix Design completed by SK Geotechnical is included in the Appendix 1. Replace the Proctor P-1 (page 252) with the attached Proctor P – 1 rev. For the CTB design use a maximum dry density of 132.2 pcf and 5.7% moisture.

Change Special Provision 22. H. Prime Coat. Use prime coat on the project. MgCl will not be used on the project.

**5. Special Provision 36**

Change Special Provision 36 MEASUREMENT AND PAYMENT. Item 7 Basis of Payment. Base Bid. A.

Change “May not Exceed 5%” to “May not Exceed 10% of total Base Bid”.

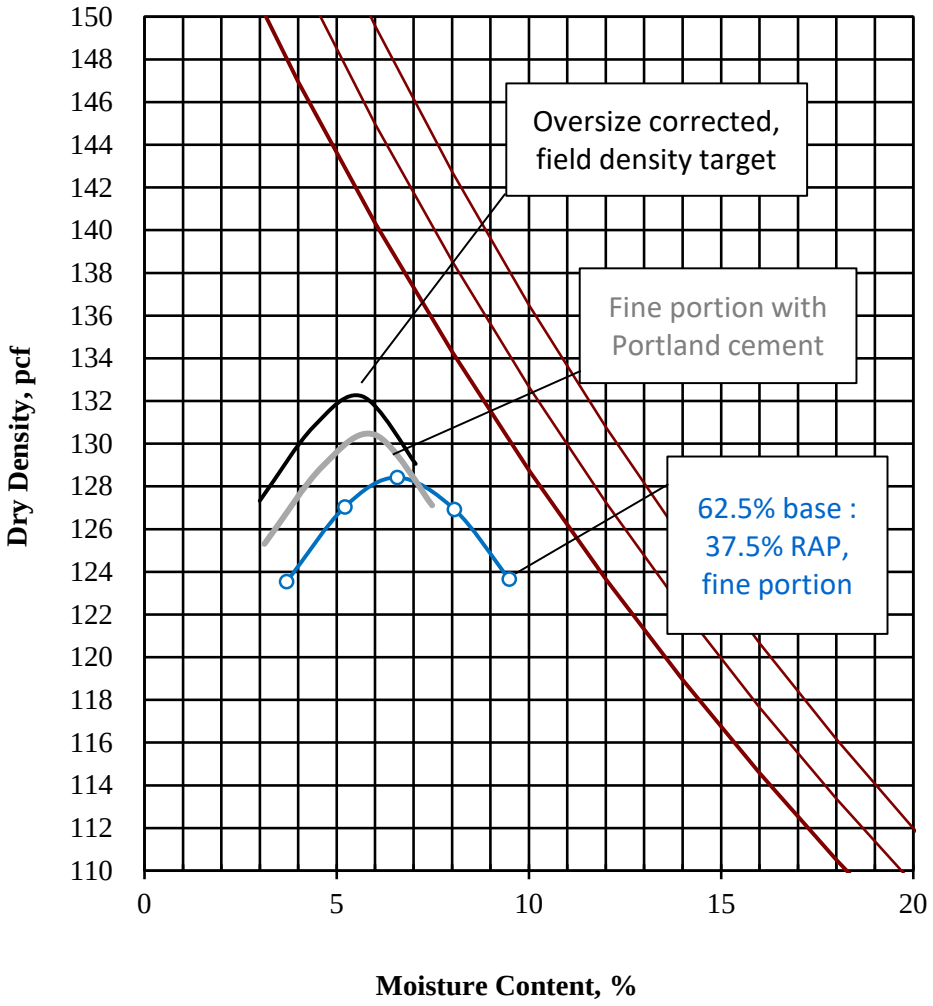
Change Payment Section to read, May not exceed ten percent (10%) of the total base bid.

**6. Technical Specifications, Contents**

**Contents, C. Incorporation of the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects FP-14:**

Add, Section 411 – Asphalt Prime Coat

**END OF ADDENDUM NO. 1**




**ASTM D 4718 Oversize Correction**

| *Maximum Dry Density, pcf* | *Optimum Moisture Content %* |
|---|---|
| *132.2* | *5.7* |

***ASTM C 127***

***Coarse Specific Gravity = 2.580***

***Absorption = 1.35%***

Fine Portion
MT-210-08 Method D

| Maximum Dry Density, pcf | Optimum Moisture Content % |
|---|---|
| 128.4 | 6.9 |

Rammer Type: Mechanical

Preparation Method: Moist

**Soil Description (Visual-Manual)**

62.5% base course, 37.5% RAP. Well-graded gravel with sand and asphalt millings, fine to coarse, greyish brown, moist

| Sieve Size | % Retained |
|---|---|
| 1 1/2" | 1 |
| 3/4" | 7 |
| 3/8" | 29 |
| #4 | 49 |

Sample No: 62.5% Base, 37.5% RAP Blend as CTB

Lab Sample No: P-1 revised 7/9/18

Date Sampled:

Sampled By: Drill Crew

Date Received:

Sampled From: Lab composite and blend

Depth:

Performed By: RQ/SKG

Date Performed: 1/24/2018

**Comments:**
Zero air void curves represent specific gravity of 2.6, 2.7, and 2.8 respectively. The bottom blue dotted curve represents -3/4" 62.5:37.5 RAP blend. The middle grey curve represents -3/4" 62.5:37.5 RAP blend with Portland cement. The top, black curve represents oversize corrected density and moisture, and is the compaction target for field construction.

**Additional Remarks:**

SK GEOTECHNICAL
P. O. Box 80190
Billings, MT 59108-0190
Phone: 406.652.3930
Fax: 406.652.3944

**Laboratory Compaction Characteristics of Soil (Proctor)**
Project Number: 17-3612G
Makoshika State Park
Glendive, MT
7/9/2018

**PROCTOR**

P-1 rev