State of Utah

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ADDENDUM NO. 1

Date:	September 22, 2009
To:	Contractors
From:	Lucas V. Davis – Project Manager
Reference:	Paving Improvements – Springville Fish Hatchery Division of Wildlife Resources – Springville, Utah DFCM Project No. 09162520
Subject:	**Addendum No. 1**

Pages	Addendum Cover Sheet	2	pages
	Specification	2	pages
	Total	4	pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

1.1 SCHEDULE CHANGES: No Project Schedule changes.

1.2 GENERAL ITEMS:

1.2.1 Base bid will be on area as shown in drawing. “Measured” numbers have been between 29,500 sq.ft. and 33,500 sq.ft..

1.2.2 A level course will be included in the base bid and will be based on 20 tons of material.

1.2.3 South visitors entrance to visitors center needs to have a smooth transition. Contractor will be responsible to determine how much material needs to be removed to accomplish.

1.2.4 The west loading dock on the visitors center building will also need a smooth transition. To avoid creating a drainage issue, contractor is to saw cut and remove approximately 30” of ramp and tie-in overlay against it to create positive drainage away.

1.2.5 Parking lot will need to be re-striped to match current conditions.

1.2.6 Metal ramp and shoe cleaner block to conference center will need to be disassembled and moved during construction. Then placed back into place once completed.

1.2.7 On north end of project the current section of road between the drive and the garage for the residences will need to be excavated and filled with 6” of base and 3” of asphalt per the attached specification. Material removed from this area is to be discarded to the West and re-graded into existing dirt lot. This area is approximately 20’ x 22’ (~440sq.ft.) in size.

1.2.8 See attached Specification.

SECTION 02575
PAVEMENT REPAIR

PART 1 GENERAL

1.1 SUMMARY

A. Includes But Not Limited To
1. Remove and replace paving and base in specific areas as described in Contract Documents.

1.2 REFERENCES

A. American Society For Testing And Materials
1. ASTM D 36-86 (1989), "Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)"
2. ASTM D 113-86, "Standard Test Method for Ductility of Bituminous Materials"
3. ASTM D 1557-91, "Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort"
4. ASTM D 3407-78, "Standard Methods of Testing Joint Sealants, Hot-Poured, for Concrete and Asphalt Pavements"

1.3 SUBMITTALS

A. Asphalt Mix Design

PART 2 PRODUCTS

2.1 MATERIALS

A. Base - Road Base type gravel or crushed rock, graded as follows -

Sieve	Percent by Weight Passing Sieve
1"	100
3/4"	85 - 10
#4	45 - 60
#10	30 - 50
#200	5 - 10 (non-plastic)

B. Asphaltic Concrete
1. Asphalt Cement -
a. Meet requirements of ASTM D 3381, Viscosity grade (Original Asphalt) as follows -
1) AC5 in cold climatic conditions
2) AC10 in moderate climatic conditions
3) AC20 in hot climatic conditions
2. Aggregates -
a. Fine to coarse mineral aggregates with wear less than 40% as determined by ASTM C 131 and mineral filler suitable for pavement meeting following gradation requirements -

Sieve	Percent by Weight Passing Sieve
3/4"	100
1/2"	95 - 100
3/8"	80 - 95
#4	54 - 71
#8	38 - 54
#30	17 - 32
#200	3 - 8 (non-plastic)

PART 3 EXECUTION

3.1 PERFORMANCE

A. Repair Of Deteriorated Areas

1. Cut edges of pavement in rectangular shape and for one foot minimum beyond damaged material. Make vertical cuts using pavement saw, routing machine, or jack hammer with flat chisel point.
2. Remove rubble to depth required to re-establish sound base.
3. Base -
    a. 6 inches thick minimum after compaction.
    b. Compact to 95 percent minimum density as determined by ASTM D 1557.
    c. Finished base course shall be true to line and grade within plus or minus 1/4 inch in 10 feet.
4. Apply emulsion to base and tack coat to vertical edges of existing asphalt.
6. Paving -
    a. Place at temperatures between 250 and 325 deg F.
    b. Longitudinal bituminous joints shall be vertical and properly tack coated if cold. Transverse joints shall always be tack coated.
    c. Compaction -
        1) Compact asphaltic concrete paving to 96 percent minimum of design density as determined by ASTM D 1559.
        2) Roll with powered equipment capable of obtaining specified density. Vibratory plate compactor may be used for areas too small for large power equipment.
        3) Begin breakdown rolling immediately after asphalt is placed when asphalt temperature is at maximum. Complete breakdown rolling before mix temperature drops below 240 deg F. Complete handwork compaction concurrently with breakdown rolling.
        4) Complete intermediate rolling as soon as possible after breakdown rolling and before mix temperature drops below 185 deg F. Do not roll paving for compaction purposes after asphalt temperature falls below 185 deg F.
        5) Execute compaction so visibility of joints is minimized. Complete finish rolling to improve asphalt surface as soon as possible after intermediate rolling and while asphalt paving is still warm. Do not use vibration for finish rolling.
    d. Surface shall be uniform with no 'birdbaths'. Leave finished surfaces clean and smooth. Variations from specified grades shall not exceed 1/2 inch.

3.3 CLEANING

A. Upon completion of repair operations, clean up and remove debris.

END OF SECTION