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PULVERIZING BITUMINOUS PAVEMENT (OAKDALE 2232B)

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes pulverizing of existing bituminous pavement utilizing a machine (cold) process to provide a blended aggregate mixture of existing bituminous and aggregate base material.
- B. Related Sections:
 - 1. Section 2104 – Removing and Salvaging Miscellaneous Structures
 - 2. Section 2211 – Aggregate Base
- C. Method of Measurement:
 - 1. Measure by area in square feet.
 - 2. Integrant curb shall be considered part of the pavement area.
- D. Basis of Payment:
 - 1. Payment for acceptable quantities of pulverizing bituminous pavement shall be at the contract unit price as listed on the bid form. All associated work items shall be considered incidental. Work that does not conform to the staging requirements in this section will be considered unacceptable.

1.02 REFERENCES

- A. MnDOT 2232 – Mill Pavement Surfaces
- B. MnDOT 3138 – Aggregates for Surfaces and Base Courses
- C. MnDOT 3129 – Granular Material

PART 2 PRODUCTS

2.01 SALVAGE BITUMINOUS AND CLASS 5

- 1) The pulverized bituminous pavement and existing aggregate base blend shall meet MnDOT 3138, Class 5 specifications for gradation, except that the 100% passing requirement will be increase to 2 inches.

2.02 EQUIPEMENT

- A. The machine utilized to pulverize the bituminous pavement shall have the following capabilities:
 - 1. Power operated.

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#2232B Pulverizing Bituminous Pavement 2232B

2. Capable of pulverizing inplace bituminous materials as it is propelled along the roadway.
3. Control dust and particulate matter created by the grinding action.
4. Control depth of cut.
5. Variable speed to produce the desired results.

PART 3 EXECUTION

3.01 PULVERIZING OPERATION

- A. The bituminous material pulverized by the operation will be used within the project or delivered to the Owner according to the construction documents.
- B. Pulverize pavement through the entire specified depth (10 inches – 14 inches) of bituminous and aggregate.
- C. Establish and maintain grade control as required.
- D. Vary machine speed to produce required aggregate blend.
- E. Incorporate screening and crushing capabilities to reduce or remove oversized particles.
- F. Excessive oversized particles will be removed by the Contractor.
- G. Mixing of the pulverized bituminous pavement and Class 5 aggregate is permitted during pulverizing operation or after.
- H. Pulverized bituminous pavement will be compacted to provide temporary driving surface.

3.02 PROTECTION

- A. Locate and mark all inplace structures within the pavement surface prior to construction operations.
- B. Repair or replace inplace structures damaged or disturbed by the pulverizing operations.

3.03 STAGING

- A. Pulverize all street pavements **no more than 28 calendar days** prior to placing the bituminous base course.

END OF SECTION