SAMPLE ROAD/STREET PAVING SPECIFICATIONS

1.0 INTENT

1.1 It is the intent of the (county/city) __________________, Indiana, to award a contract for the paving of certain roads and or/ streets with Hot Mix Asphalt (HMA) pavement materials.

2.0 SCOPE OF WORK

2.1 The Contractor shall furnish all labor, material and equipment to prepare the existing road bed for paving. Preparation shall be such that a smooth transition is obtained from newly paved areas to existing pavements. Payment for preparation will be lump sum per project location.

2.2 In the preparation of an existing asphalt or concrete pavement for paving, the Contractor shall remove dirt, gravel, sod and other debris from the existing pavement edges, followed by brooming of the pavement surface. Voids, holes or depressions deeper than one (1) inch shall be filled and compacted with an HMA mixture. Payment for HMA used to fill voids, holes or depressions will be per ton of the mixture placed.

2.3 A tack coat shall be applied at the rate of 0.03 to 0.10 gal per square yard immediately preceding the placement of each layer of HMA. Payment for tack coat will be per gallon applied.

2.4 When the existing pavement surface is gravel or stone or when a new gravel or stone base is constructed, the surface shall be graded and compacted by rolling to produce a smooth and uniform surface prior to paving with HMA. The cost of grading and compacting shall be included in the lump sum cost per project for preparation.

2.5 The Contractor shall furnish all labor and equipment to maintain traffic in accordance with the 2000 Manual on Uniform Traffic Control Devices (MUTCD 2000) and most recent updates. The cost of maintaining traffic shall be included in the cost of the various items.

2.6 Temporary pavement markings, if required to be furnished by the Contractor, will be paid for by the lineal foot applied.
2.7 The Contractor shall furnish all labor, equipment and materials to adjust to grade any existing castings for manholes, catch basins, inlets, and valve boxes. If an existing casting is determined to be unfit for further use, a new casting will be furnished by the County/City. Payment for adjusting casting will be per each casting adjusted.

2.8 The Contractor shall furnish all labor, equipment and materials to pave existing paved street, alley, and drive approaches with the same HMA mixture used for the surface on the street or alley being paved. Approaches shall be paved in such a manner as to provide a smooth transition to the new pavement surface and as required to maintain drainage of surface runoff. Payment for approach paving will be per ton of the mixture placed.

2.9 When specified, the Contractor shall provide surface milling for butt joints at locations where the new pavement surface meets existing pavement surfaces. Payment will be per square yard of area milled.

2.10 Upon completion of the paving work, the Contractor shall grade the pavement shoulders to a minimum width of three (3) feet with a uniform slope from the edge of the new pavement surface to the existing shoulder. In the event that there is insufficient material in the existing shoulder to provide a uniform slope, Compacted Aggregate No. 73 shall be furnished, placed and compacted by the Contractor. Payment will be per ton of No. 73 aggregate placed.

2.11 The Contractor shall clean up and properly dispose of any excess materials and debris resulting from the work. The cost of cleanup and disposal shall be included in the cost of the various items.

3.0 SPECIAL PROVISIONS

3.1 All materials, equipment and construction methods shall meet the requirements of the latest versions of the Indiana Department of Transportation (INDOT) Standard Specifications including Recurring Special Provisions and/or Supplemental Specifications.

3.2 Hot Mix Asphalt (HMA) Pavement
Description: This work shall consist of one or more courses of HMA base, intermediate, or surface mixtures produced and placed in accordance with INDOT Specifications Section 402 effective on or after March 2003 with exceptions as noted herein. All mixtures must be produced by an INDOT Certified HMA plant in accordance with a Quality Control Plan approved by an INDOT District Division of Materials and Tests.
Mixture Type: The mixture types shall be Type A, B, or C as shown on the Unit Bid Sheet. HMA mixtures shall be produced in accordance with 402.05.

Surface Aggregate Type: For Type C mixtures, surface Aggregates shall meet the requirements for less than 10,000,000 ESAL in 904.03(d).

Density: Density for all mixture types will be controlled by 402.15.

<table>
<thead>
<tr>
<th>Mixture Type</th>
<th>Type A</th>
<th>Type B</th>
<th>Type C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design ESAL</td>
<td>200,000</td>
<td>1,000,000</td>
<td>11,000,000</td>
</tr>
<tr>
<td>AADT</td>
<td>&lt;4000</td>
<td>4000-30,000</td>
<td>&gt;30,000</td>
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<tr>
<td>Surface</td>
<td>9.5, 12.5 mm</td>
<td>9.5, 12.5 mm</td>
<td>9.5, 12.5 mm</td>
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<tr>
<td>Surface PG Binder</td>
<td>64-22</td>
<td>64-22</td>
<td>76-22</td>
</tr>
<tr>
<td>Intermediate</td>
<td>9.5, 12.5, 19.0 mm</td>
<td>9.5, 12.5, 19.0 mm</td>
<td>9.5, 12.5, 19.0 mm</td>
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<tr>
<td>Intermediate PG Binder</td>
<td>64-22</td>
<td>64-22</td>
<td>76-22</td>
</tr>
<tr>
<td>Base</td>
<td>25.0 mm</td>
<td>25.0 mm</td>
<td>25.0 mm</td>
</tr>
<tr>
<td>Base - PG Binder</td>
<td>64-22</td>
<td>64-22</td>
<td>64-22</td>
</tr>
</tbody>
</table>

Recycled Asphalt Pavement (RAP): Recycled materials, up to 25%, may be used as a substitute for a portion of the new material required to produce HMA mixtures. When using greater than 15% RAP the PG Binders listed in the above table shall be changed as follows:

- PG 64-22 to PG 58-28
- PG 76-22 to PG 70-28

PG Binder Grade: Asphalt binder grades shall be as listed in the following table for Type A, B, and C mixtures.

Acceptance of Mixtures: Acceptance shall be based on 402.09. The attached Certification form shall be submitted for each day mixture is delivered to the project.

3.3 All work on the specified projects shall be completed within _________ calendar days.

4.0 MEASUREMENT AND PAYMENT

4.1 The quantities shown in the bid documents are believed to be sufficient to complete the specified work; however, they are approximate and are shown for the purpose of comparing bids. Payment to the Contractor will be made only for those quantities of work actually completed and accepted in accordance with the specifications.
4.2 The quantities for payment shall be determined from weight tickets or shipping bills furnished by the contractor for each shipment of material to the project, and upon field measurements as agreed upon by the Contractor and the County/City.

4.3 Payment will be made to the Contractor for the accepted quantities of work at the contract bid price per unit.

4.4 No payment for quantities in excess of those shown in the bidding documents will be made to the Contractor without prior written approval from the County/City authorizing such additional quantities.

5.0 INSTRUCTIONS TO BIDDERS

5.1 Each bidder shall be responsible for inspecting the project sites and verifying any measurements stated in the project specifications.

5.2 Bids shall be submitted on the State Board of Accounts Form No. 96 with the Unit Bid Sheet” showing bid prices attached.

5.3 A bid bond executed by the bidder and a surety company, or a certified check payable to the (County/City of) ________________ in the amount of five percent (5%) of the total maximum bid shall be submitted with the bid.

5.4 A copy of the INDOT Certified Plant Certificate for the plant(s) producing HMA mixtures for this project shall be submitted with the bid.

6.0 INSPECTION AND TESTING

6.1 The County/City shall have the right to reject defective materials and/or workmanship. Material and/or workmanship not in conformance with the specifications will be considered defective.

6.2 Rejected materials and/or workmanship, at no additional cost to the County/City, shall be satisfactorily corrected in place, or replaced with work conforming to the specifications, or subject to an appropriate adjustment in price.