<table>
<thead>
<tr>
<th>ZONE</th>
<th>GRADE AND DRAIN PER MILE COST X $1000</th>
<th>BASE AND PAVE PER MILE COST X $1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>803 1177 1648 2077 1420 2104 2923 3975</td>
<td>1007 2731</td>
</tr>
<tr>
<td>II</td>
<td>720 983 1385 1690 1186 1720 2555 3574</td>
<td>1352 2418</td>
</tr>
<tr>
<td>III</td>
<td>605 762 1177 1385 919 1420 2171 2939</td>
<td>1226 2130</td>
</tr>
<tr>
<td>IV</td>
<td>585 1011 1464 1166 1754 2321</td>
<td>1412 2551</td>
</tr>
<tr>
<td>V</td>
<td>540 845 1274 966 1536 2037</td>
<td>1232 2286</td>
</tr>
<tr>
<td>VI</td>
<td>443 720 1094 785 1319 1837</td>
<td>1077 1684</td>
</tr>
</tbody>
</table>

**URBAN SECTION**

- **BASE & SURFACE (4" SURFACE)**: $96 YD$^2$
- **GRADE AND DRAIN**: $38 YD^2$
- **CURB AND GUTTER**: $15 L.F.$
- **SIDEWALK**: $35 YD^2$
- **STORM DRAIN**: $60 L.F.$
- **INLETS**: $3,750 EA
- **BASE (ONLY)**: $15 YD^2$
- **1" SURFACE (OVERLAY)**: $15 YD^2$
- **8" CONCRETE PAVEMENT**: $50 YD^2$
- **BORROW (IN-PLACE)**: $20 YD^2$
- **SIGNALIZED INTERSECTION**: $150,000 EA
- **BARRIER RAIL**: $100 LF
- **INTERCHANGE (URBAN INTERSTATE)**: $60,000 EACH
- **INTERCHANGE (RURAL INTERSTATE)**: $70,000 EACH
- **INTERSECTION (4 LANE X 4 LANE)**: $40,000 EACH
- **INTERSECTION (4 LANE X 2 LANE)**: $30,000 EACH
- **INTERSECTION (2 LANE X 2 LANE)**: $20,000 EACH
- **SIGNING**
  - **INTERCHANGE (URBAN INTERSTATE)**: $60,000 EACH
  - **INTERCHANGE (RURAL INTERSTATE)**: $70,000 EACH
  - **INTERSECTION (4 LANE X 4 LANE)**: $40,000 EACH
  - **INTERSECTION (4 LANE X 2 LANE)**: $30,000 EACH
  - **INTERSECTION (2 LANE X 2 LANE)**: $20,000 EACH

**TRAFFIC HANDLING**

- **5 LANE (WIDEN TO ONE SIDE)**: $30,000 MI
- **5 LANE (WIDEN SYMMETRICAL)**: $60,000 MI
- **EXISTING INTERSECTION**: $3,500 EACH
- **CROSSOVERS**: $12,000 EACH
- **NEW LOCATION INTERSECTION**: $2,500 EACH
- **ADVANCE WARNING SIGNS**: $10,000 EACH

**UTILITY COST**

- **2 LANE RURAL**: $640,000 MILE
- **2 LANE URBAN**: $1,700,000 MILE
- **4 LANE RURAL**: $850,000 MILE
- **4 LANE URBAN**: $3,125,000 MILE

**RIGHT OF WAY COST**

- **2 LANE RURAL**: $550,000 MILE
- **2 LANE URBAN**: $1,400,000 MILE
- **4 LANE RURAL**: $2,900,000 MILE

**ROW COSTS ESTIMATES FROM THE ROW BUREAU IF TIME IS A FACTOR.**

**ADDITIONAL OVERHEAD**

- **1.3% ENGINEERING CONTROLS**
- **9.7% MOBILIZATION**
  - **15% E & I**

**PRELIMINARY ENGINEERING IS 15% OF TOTAL CONSTRUCTION COST**

**BREAKDOWN FOR P.E.**

- **3% FOR SURVEY**
- **5% FOR GRADE AND DRAIN PLANS**
- **2% FOR BASE AND PAVE PLANS**

**INDIRECT COST**: 10.09%

**Alabama Department of Transportation Design Bureau Location Section**