

| MAXIMUM (DMD) DEFLECTION (mils) | SURFACE CURVATURE INDEX (mils) | BASE CURVATURE INDEX (mils) | CONDITION OF PAVEMENT STRUCTURE  |
|---------------------------------|--------------------------------|-----------------------------|----------------------------------|
| GT 1.25                         | GT 0.48                        | GT 0.11                     | PAVEMENT AND SUBGRADE WEAK       |
| LE 1.25                         | LE 0.48                        | LE 0.11                     | SUBGRADE STRONG, PAVEMENT WEAK   |
|                                 | GT 0.48                        | GT 0.11                     | SUBGRADE WEAK, PAVEMENT MARGINAL |
|                                 | LE 0.48                        | LE 0.11                     | DMD HIGH, STRUCTURE OK           |
|                                 |                                | GT 0.11                     | STRUCTURE MARGINAL, DMD OK       |
|                                 |                                | LE 0.11                     | PAVEMENT WEAK, DMD OK            |
|                                 |                                | GT 0.11                     | SUBGRADE WEAK, DMD OK            |
|                                 |                                | LE 0.11                     | PAVEMENT AND SUBGRADE STRONG     |

GT = GREATER THAN  
 LE = LESS THAN OR EQUAL TO

Figure 18. Use of Deflection Basin Parameters to Analyze Pavement Structural Layers, from Utah Overlay Design Procedure.