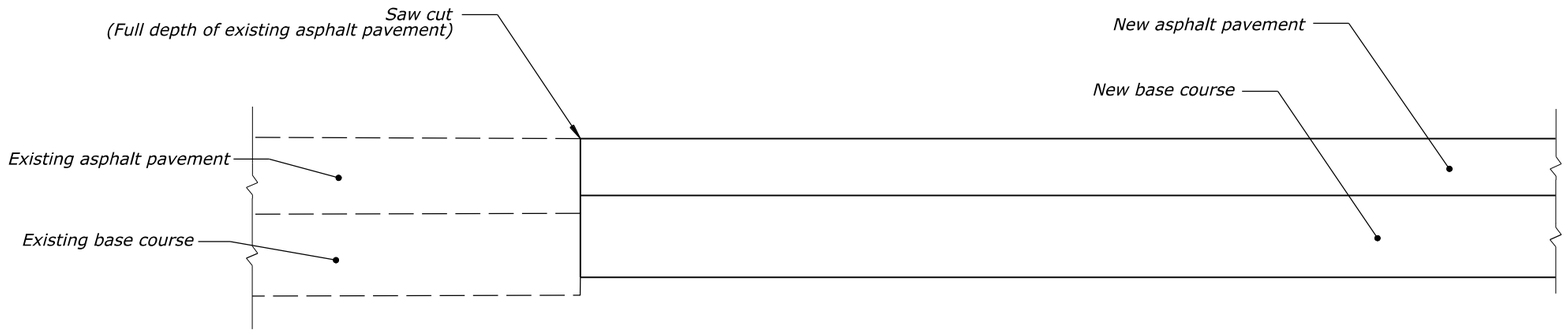
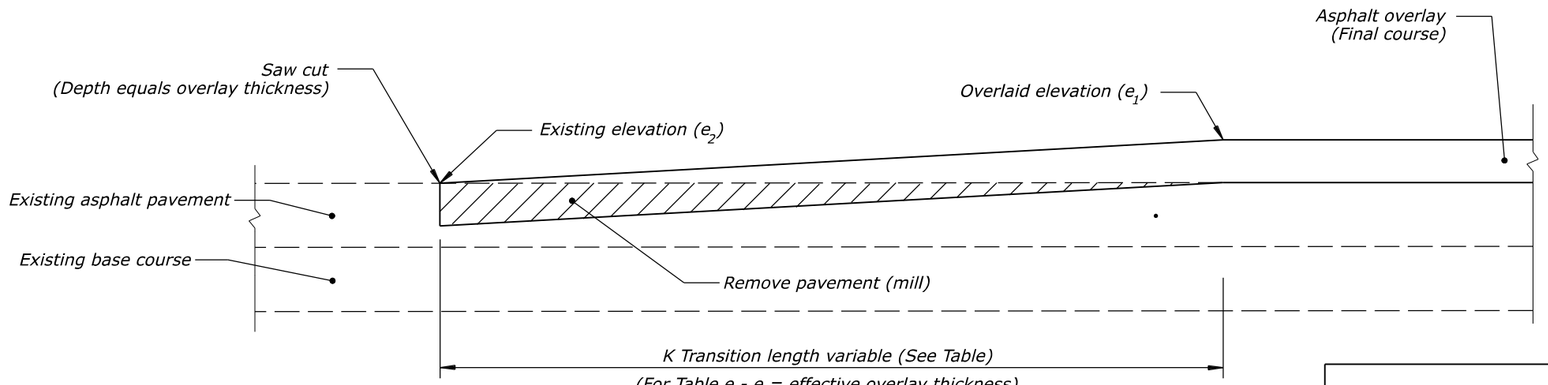
| PROJECT | SHEET NUMBER |
|---|---|
| | |




## NEW PAVEMENT




## OVERLAY

### NOTE:

*Provide a transition length in feet that is not less than the value obtained by multiplying the effective overlay thickness in inches (difference between the existing and overlaid elevations) by the K value from the Table for the posted speed of the roadway.*

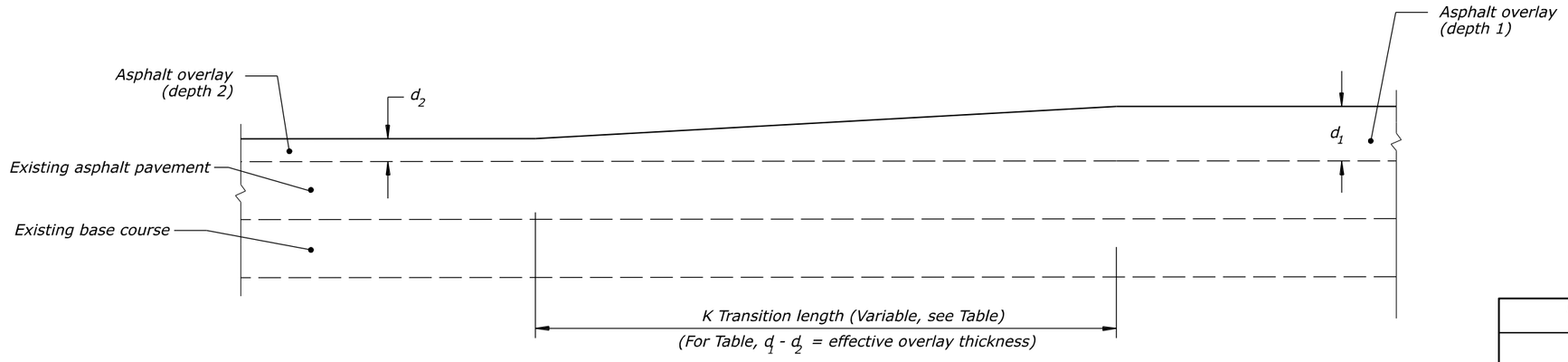
*Use $K*[e_1 - e_2] = T$, or $K*[d_1 - d_2] = T$ (whichever applies), to obtain the transition length. (Minimum transition length=30 feet)*

*Example :*
*If the posted speed is 55 MPH*
*Effective overlay thickness = 2 inches*
*Then the minimum transition length =*
*2 inches x 42.5 ft./in. = 85 feet.*

**K VALUE TABLE (ft/in)**

| POSTED SPEED (MPH) * | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
|---|---|---|---|---|---|---|---|---|---|---|
| K | 30 | 32.5 | 35 | 37.5 | 40 | 42.5 | 45 | 47.5 | 50 | 52.5 |

* Use a K Value of 30 for speeds less than 30 MPH.




## OVERLAY - DEPTH TRANSITIONS

NO SCALE

| U.S. DEPARTMENT OF TRANSPORTATION, FHWA<br>OFFICE OF FEDERAL LANDS HIGHWAY | EFLHD DETAIL<br>E401-01 |
|---|---|
| **PAVEMENT TRANSITIONS** | SPECIFICATION<br>FP-24, FP-14 |
| | APPROVED FOR USE<br>05/2024 |