Existing Pavement Edge

Preleveling

Pavement or Top of Existing

Transiton Length as Shown on Plans

Asphalt Concrete Base, Intermediate or Surface Course, As Specified

Transition Length as Shown on Plans

PLAN

MERGING EDGE OF PAVEMENT WIDENING
WITH EDGE OF EXISTING PAVEMENT

Top of Existing Pavement or Preleveling

Surface Course

Intermediate Course

Asphalt Concrete Base, Intermediate or Surface Course, As Specified

Base Course

Subbase Course

SECTION A-A

COURSE DETAIL FOR WIDENING

LEGEND

1. The extended width (X) of a base or subbase lift shall be equal to the depth (Y) of the overlying lift or 6", whichever is greater, or as shown on the plans.

2. The extended width shall be equal to the combined thickness of the surface and intermediate courses, or 6", whichever is greater.

3. Permissible removal and replacement

Surface Course

Intermediate Course

Base Course

Subbase Course

Inspection Course or Subbase

Center line or Edge of Traffic Lane

Joint

Joint

Joint

Joint

Lapping Longitudinal Joints

Proposed Overlay

Feather

Structure Limits

Thickness to be applied to bridge deck

Feather

Approach Slab

Structure

Thickness to be applied to bridge deck

Overlay

Details assume non-settled approach slabs. Smoothing of the profile for Settlement is required per plan grades or as directed by the Engineer.

FEATHERING AT STRUCTURES

Win. Length ≤ 15" per inch of "d"

For Speeds 50 MPH or Greater,
Use 35" per inch of "d"

Min. Length = 15' per Inch of "d"

Use 35' per Inch of "d"

For Speeds 50 MPH or Greater,

Remove according to Item 202

Intermediate Course Removed. Replace with the plan-specified surface course asphalt item. Payment for removal is included with the surface course item unless otherwise designed on the plans.

Butt Joint Type

Butt joint is required unless the taper edge is specified in the plans or approved by the Engineer.

Taper Edge Type

NOTE: Taper edge is required unless the butt joint is specified in the plans or approved by the Engineer.

Taper edge is required unless the butt joint is specified in the plans or approved by the Engineer.

PLACING FEATHERED AREAS

Values for "t" and "d" are obtained from the plan.
USING CONCRETE OR MORTAR

USING METAL ADJUSTING RINGS

Metal adjusting rings shall:
(a) Attach securely to the existing frame by welding or mechanical devices;
(b) Consist either of cast metal having an integral rim and seat, or be
  cast bonded metal with a sturdy connection between the seat and rim and
(c) Provide an even seat for the manhole cover.

In addition, the adjusting ring type shall be a design acceptable to the local governmental agency responsible for street and sewer maintenance. Any installation unacceptable to the Engineer shall be replaced by the Contractor at his expense.

MANHOLES ADJUSTED TO GRADE

Special care shall be taken during construction to obtain maximum compaction of asphalt concrete in gutters.

GUTTER FINISH

AGgregate DRAIN

Aggregate drains to be placed where and as directed by Engineer. Provide filter fabric when specified as a separate pay item.