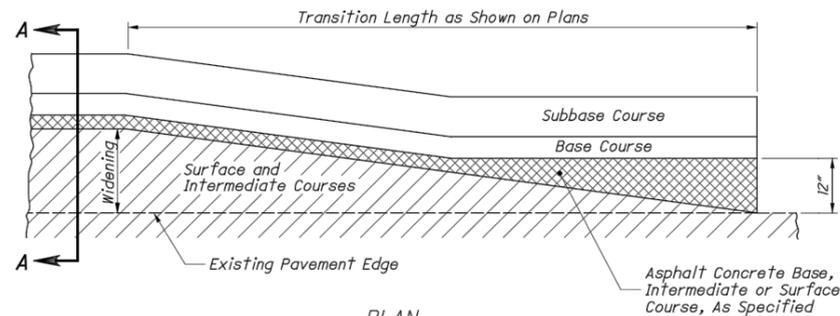
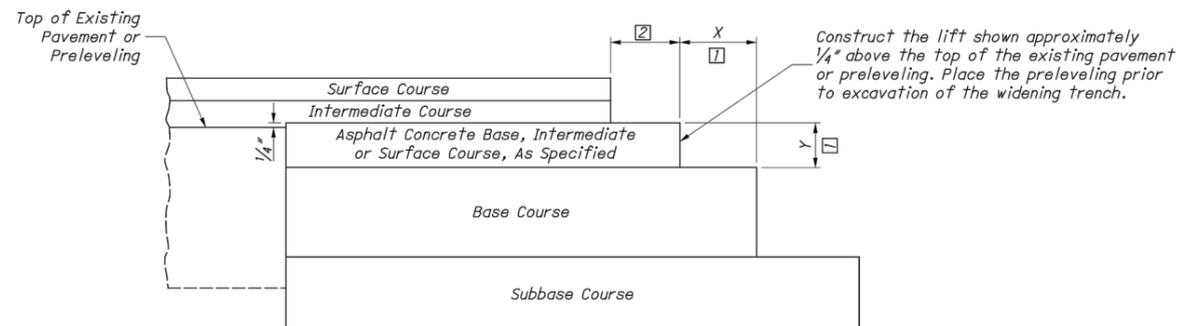


Details assume non-settled approach slabs. Smoothing of the profile for settlement is required per plan grades or as directed by the Engineer.

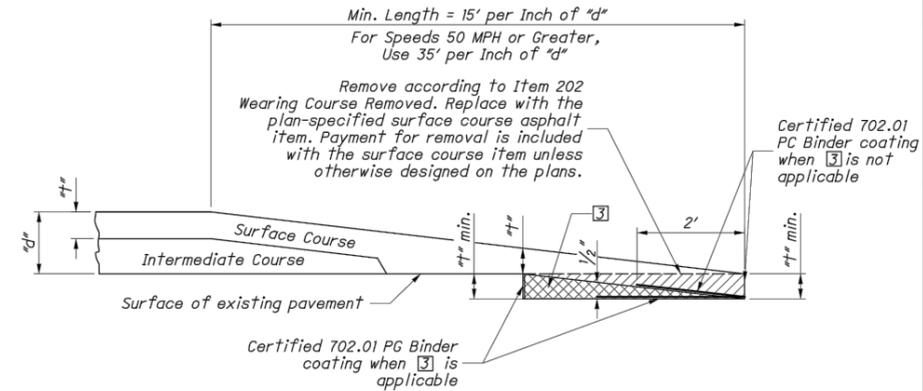
**TRANSITIONING AT STRUCTURES**



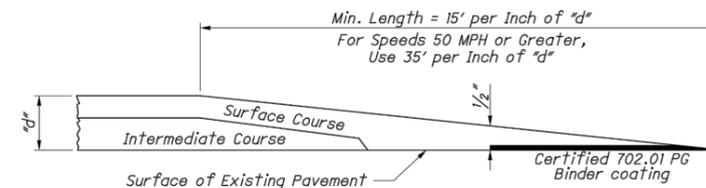
**MERGING EDGE OF PAVEMENT WIDENING WITH EDGE OF EXISTING PAVEMENT**



**SECTION A-A  
COURSE DETAIL FOR WIDENING**



**Butt Joint**



**Taper End**

NOTE: Butt joint is required unless the taper end is specified in the plans or approved by the Engineer

**BUTT JOINTS AND TAPER ENDS**

Values for "t" and "d" are obtained from the plans.

**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 4", whichever is greater.
- [3] Permissible removal and replacement

OFFICE OF PAVEMENT ENGINEERING

REVISIONS  
01-21-2022  
01-17-2020  
10-18-2019  
07-18-2014  
04-20-2012  
01-20-2012  
10-19-2007  
07-16-2004

STDS ENGINEER  
W. Feehan

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR

Craig Landefeld

ASPHALT PAVING

DESIGN AGENCY



SCD NUMBER

BP-3.1

SHEET TOTAL

1 2



**CITY OF ALLIANCE  
ENGINEERING DEPARTMENT**

504 E. MAIN ST.  
ALLIANCE, OH 44601  
PHONE: (330) 823-5122 FAX: (330) 829-2236

**ASPHALT PAVING DETAILS  
MANHOLES ADJUST TO GRADE**

NOT TO SCALE  
ENGSERV1 / E:/ DATA / ENGINEERING DOCUMENTS / STANDARD DRAWINGS / RD-7.DWG

APPROVED BY:

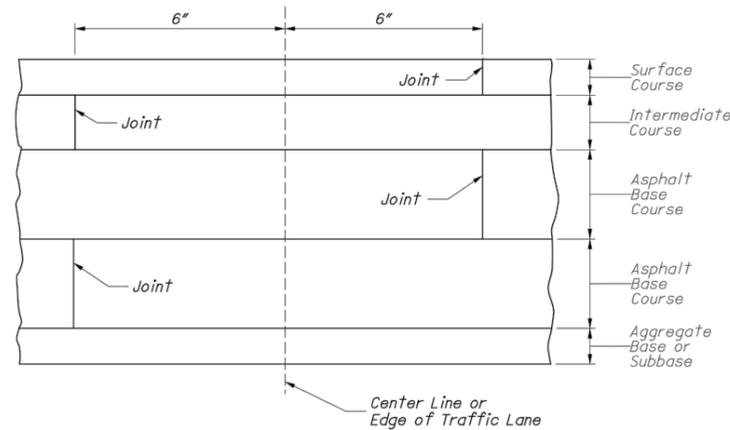
*Vincent Mueser* PE, S.T.  
VINCENT MUESER, P.E., S.I.T.  
ALLIANCE CITY ENGINEER

**ALLIANCE RD-7  
(1 OF 2)**

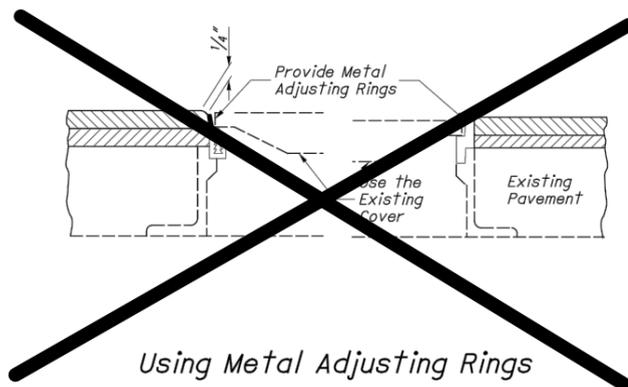
Revisions / Drawn By

02-19-10 / CAF

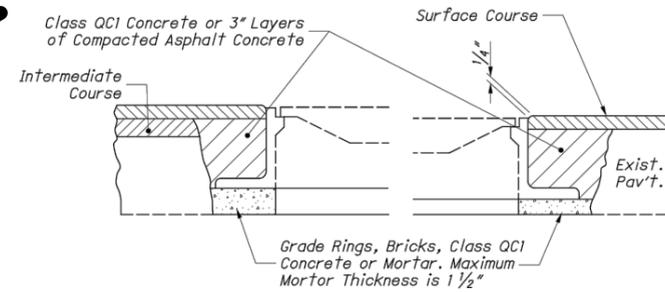
01-28-22 / ANP



LAPPING LONGITUDINAL JOINTS  
(see notes)



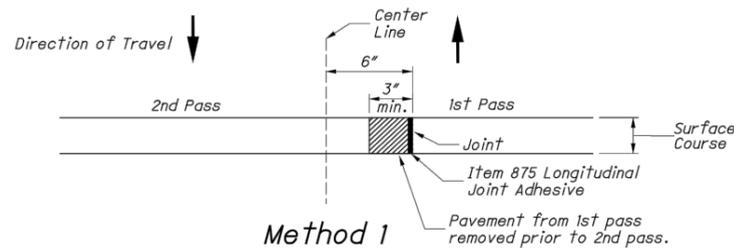
~~Using Metal Adjusting Rings~~



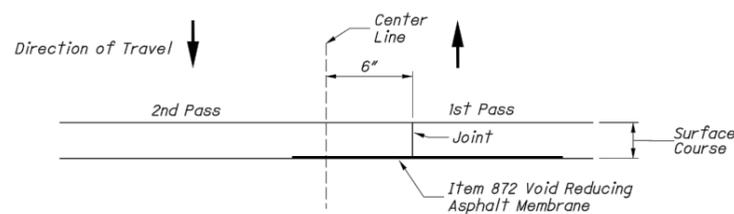
Using Concrete or Mortar

**\*METAL ADJUSTING RINGS SHALL NOT BE USED\***

MANHOLES ADJUSTED TO GRADE

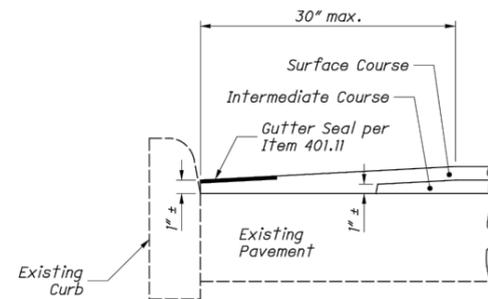


Method 1



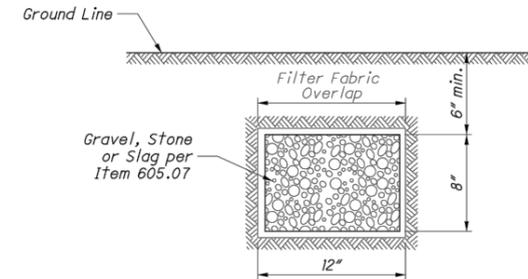
Method 2

LONGITUDINAL JOINT PREPARATION  
(if specified)



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

GUTTER FINISH



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

AGGREGATE DRAIN

NOTES

**GENERAL:** Lap all longitudinal joints as shown regardless of the number of courses being placed. Do not construct a longitudinal joint directly above and in line with the longitudinal joint of previously placed material.

~~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 rings, interlocking and seat, or be fabricated 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 authority responsible for street and sewer maintenance. Any installation unacceptable to the Engineer shall be replaced by the Contractor at his expense.~~

**PAYMENT:** The Department will pay for manholes adjusted to grade using Item 611 Manhole, Catch Basin, or Inlet Adjusted to Grade. The Department will pay for longitudinal joint preparation using Item 874 Longitudinal Joint Preparation.

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SEDS ENGINEER  
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ASPHALT PAVING DETAILS  
MANHOLES ADJUST TO GRADE

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APPROVED BY:

*Vincent Mueser* PE, S.T.

VINCENT MUESER, P.E., S.I.T.  
ALLIANCE CITY ENGINEER

ALLIANCE RD-7  
(2 OF 2)

Revisions / Drawn By

02-19-10 / CAF

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