



**TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.transportation.ky.gov/

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

December 10, 2013

CONTRACT ID NO. 13-9002  
ADDENDUM # 3

Subject: Nelson County  
Letting December 19, 2013

- (1) Revised - Appendix A
- (2) Revised - Appendix B

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith  
Acting Director  
Division of Construction Procurement

RG:ks  
Enclosures



An Equal Opportunity Employer M/F/D

## Pavement Design

### Mainline & Approaches:

- Asphalt surface and top layer of asphalt base shall use PG76-22 Binder. Remaining layers of asphalt base shall use PG64-22 Binder
- Any portion of the existing driving lane pavement that will be utilized in the final roadway pavement structure shall be overlaid with a minimum of 3.25" asphalt base and 1.25" asphalt surface. Leveling and Wedging shall be specified as necessary.

#### Option 1

8" Chemically Stabilized Roadbed

4" Dense Graded Aggregate

4" Drainage Blanket – Ty II

10.75" Asphalt Base - CL3 1.00D (4" + 3.5" + 3.25")

1.25" Asphalt Surface - CL3 0.38A PG76-22

#### Option 2

12" Rock (#2's, 3's or 23's) wrapped in Geotextile Fabric Type IV

4" Crushed Stone Base

13" Asphalt Base - CL3 1.00D (3"+3"+3.5"+3.25")

1.25" Asphalt Surface - CL3 0.38A PG76-22

#### Option 3

Geotextile Fabric Type IV

Geogrid Reinforcement (Section 304 or Tensar TX5/TX7)

12" Crushed Stone Base (minimum 8" first lift)

10" Asphalt Base - CL3 1.00D (3.25"+3.5"+3.25")

1.25" Asphalt Surface - CL3 0.38A PG76-22

### Shared Use Path:

1.25" CL3 Asphalt Surface 0.38A PG76-22

3.00" CL3 Asphalt Base 1.00D PG64-22

6" Crushed Stone Base

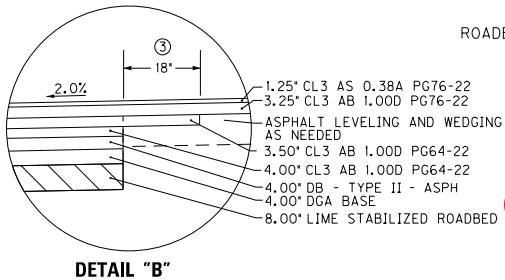
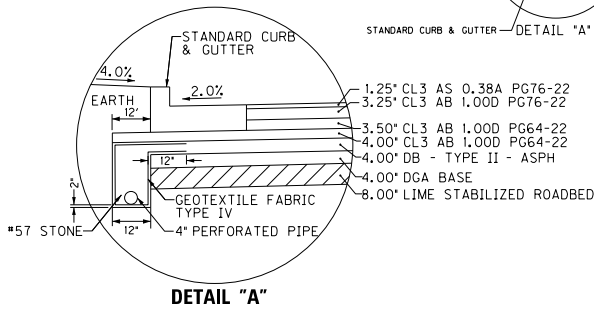
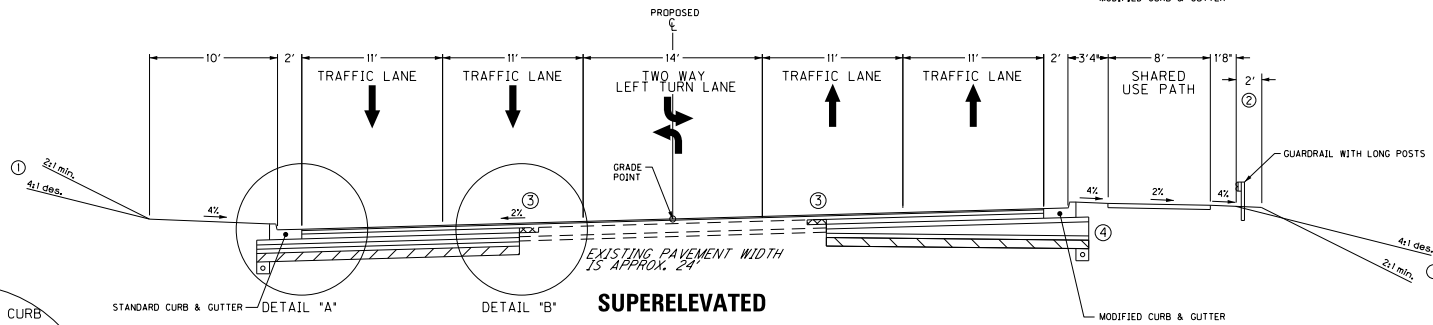
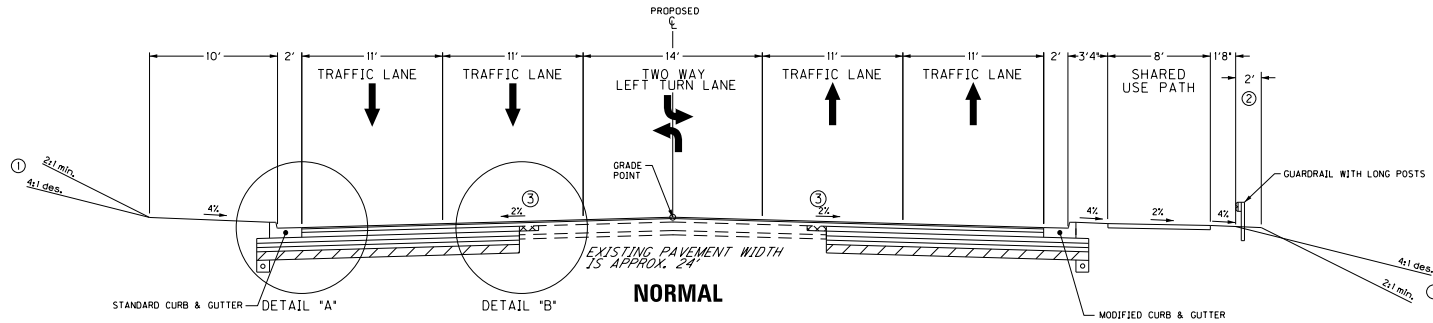
# TYPICAL SECTIONS

KY245 OPTION #1 DESIGN SPEED = 45 m.p.h.

NOTES:

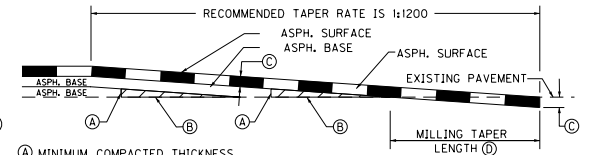
COUNTY OF	ITEM NO.	SHEET NO.
NELSON	4-8307.10	R2

- SEE CROSS-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER.
- WIDEN SHOULDER 2' FOR GUARDRAIL
- ASPHALT PAVE MILLING AND TEXTURING (18" WIDE AND 3.50" DEEP) SHALL BE REQUIRED ALONG THE EDGE OF THE EXISTING PAVEMENT ADJACENT TO THE WIDENING. BACKFILL WITH THE ASPHALT BASE ON THE SAME PASS AS THE WIDENING. PAYMENT FOR THIS WORK WILL BE AT THE UNIT PRICE BID PER TON FOR MILLING.
- SLOPE DRAINAGE BLANKET AND DGA AWAY FROM EXISTING PAVEMENT EDGE TO PROVIDE SUBGRADE DRAINAGE WHERE WATER MAY BECOME IMPOUNDED AGAINST THE EXISTING PAVEMENT.



## PAVEMENT SCHEDULE

OVERALL	1.25" CL3 ASPHALT SURFACE 0.38A PG76-22 3.25" CL3 ASPHALT BASE 1.00D PG76-22 VAR-LEVELING AND WEDGING
TRAFFIC LANES WIDENING	3.50" CL3 ASPHALT BASE 1.00D PG64-22 4.00" CL3 ASPHALT BASE 1.00D PG64-22 4.00" DRAINAGE BLANKET - TYPE II - ASPH 4.00" DENSE GRADED AGGREGATE
ROADBED PREPARATION	8" LIME STABILIZED ROADBED LIME (APPLY AT A RATE OF 6% BY WEIGHT AT 100 LB/CU.FT.)
SHARED USE PATH	ASPHALT CURING SEAL 2.0 LB/SQ. YD. SAND FOR BLOTTER 5.0 LB/SQ. YD. 1.25" CL3 ASPHALT SURFACE 0.38A PG76-22 3.00" CL3 ASPHALT BASE 1.00D PG64-22 6.00" CRUSHED STONE BASE



- (A) MINIMUM COMPACTED THICKNESS  
 (B) ASPHALT MIXTURE FOR LEVELING AND WEDGING OR NEXT COURSE OF ASPHALT MIXTURE.  
 (C) ASPHALT SURFACE THICKNESS (FULL DEPTH)  
 (D) MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH (EDGE KEY).  
 TAPER LENGTH (ft) =  $\frac{1.25 \text{ (in)} \times \text{TAPER RATE}}{12}$   
 FOR A TAPER RATE OF 1:1200  
 TAPER LENGTH = 125 FEET WHEN  $t = 1.25$  inches

## TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES ( $\geq 45$ MPH)

TYPICAL SECTIONS

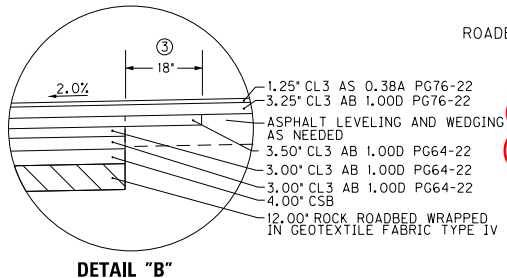
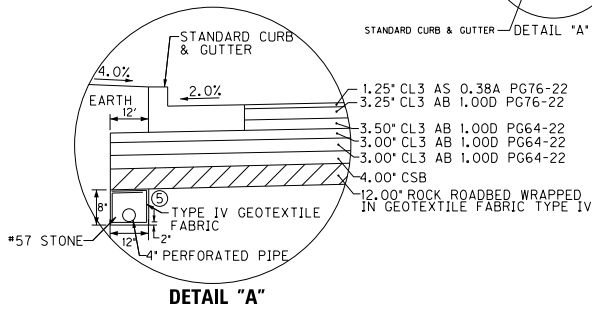
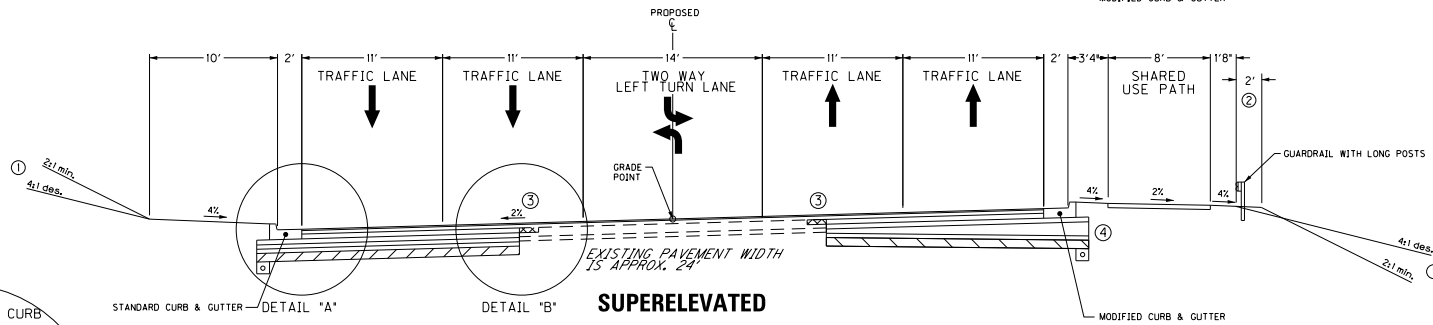
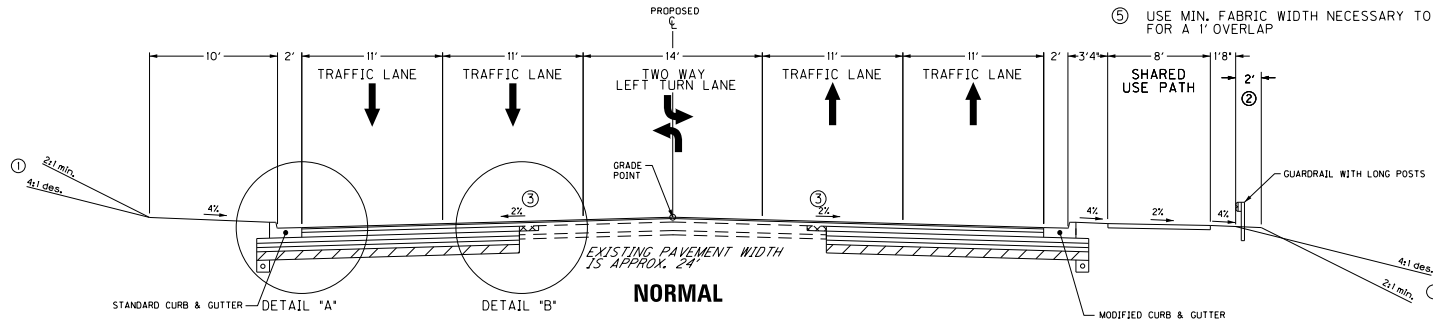
# TYPICAL SECTIONS

KY245 OPTION #2 DESIGN SPEED = 45 m.p.h.

NOTES:

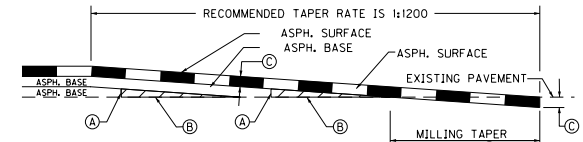
COUNTY OF	ITEM NO.	SHEET NO.
NELSON	4-8307.10	R2

- ① SEE CROSS-SECTIONS FOR SLOPES OUTSIDE OF SHOULDER.
- ② WIDEN SHOULDER 2' FOR GUARDRAIL
- ③ ASPHALT PAVE MILLING AND TEXTURING (18" WIDE AND 3.50" DEEP) SHALL BE REQUIRED ALONG THE EDGE OF THE EXISTING PAVEMENT ADJACENT TO THE WIDENING. BACKFILL WITH THE ASPHALT BASE ON THE SAME PASS AS THE WIDENING. PAYMENT FOR THIS WORK WILL BE AT THE UNIT PRICE BID PER TON FOR MILLING.
- ④ SLOPE CSB AND ROCK ROADBED AWAY FROM EXISTING PAVEMENT EDGE TO PROVIDE SUBGRADE DRAINAGE WHERE WATER MAY BECOME IMPOUNDED AGAINST THE EXISTING PAVEMENT.
- ⑤ USE MIN. FABRIC WIDTH NECESSARY TO ALLOW FOR A 1' OVERLAP



## PAVEMENT SCHEDULE

OVERALL	1.25" CL3 ASPHALT SURFACE 0.38A PG76-22 3.25" CL3 ASPHALT BASE 1.00D PG76-22 VAR-LEVELING AND WEDGING
TRAFFIC LANES WIDENING	3.50" CL3 ASPHALT BASE 1.00D PG64-22 3.00" CL3 ASPHALT BASE 1.00D PG64-22 3.00" CL3 ASPHALT BASE 1.00D PG64-22 4.00" CRUSHED STONE BASE
ROADBED PREPARATION	12.00" ROCK ROADBED WRAPPED IN GEOTEXTILE FABRIC TYPE IV
SHARED USE PATH	1.25" CL3 ASPHALT SURFACE 0.38A PG76-22 3.00" CL3 ASPHALT BASE 1.00D PG64-22 6.00" CRUSHED STONE BASE



- FOR A TAPER RATE OF 1:1200  
TAPER LENGTH = 125 FEET WHEN  $t = 1.25$  inches

## TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES ( $\geq 45$ MPH)

TYPICAL SECTIONS

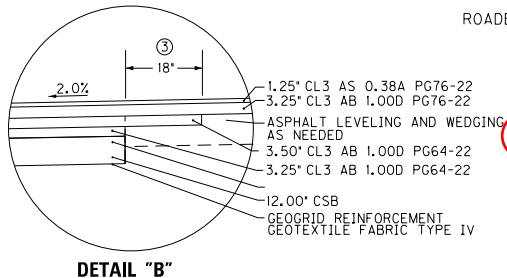
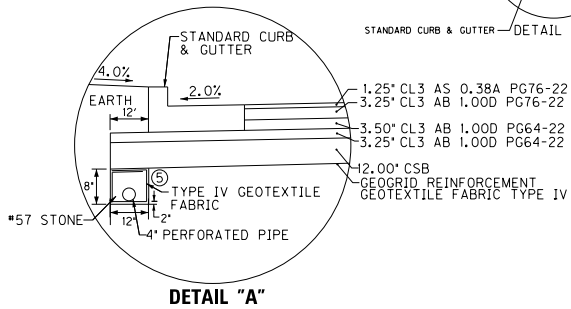
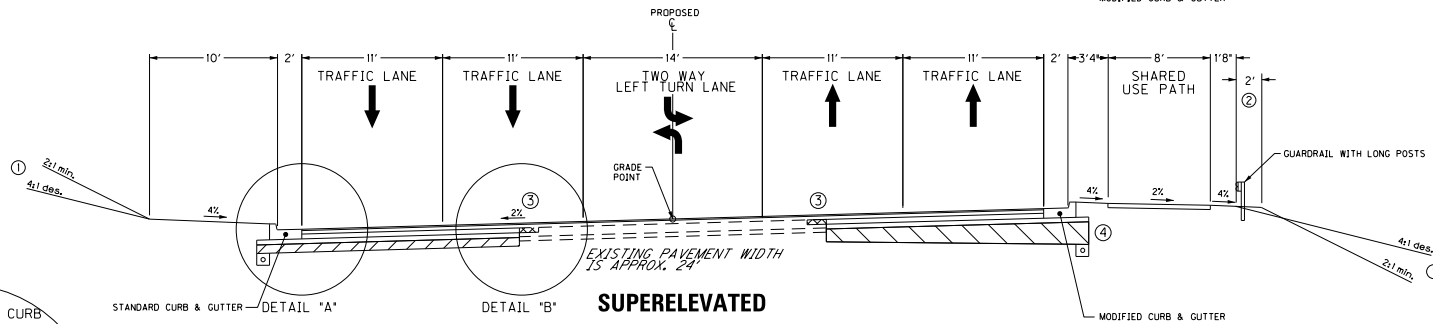
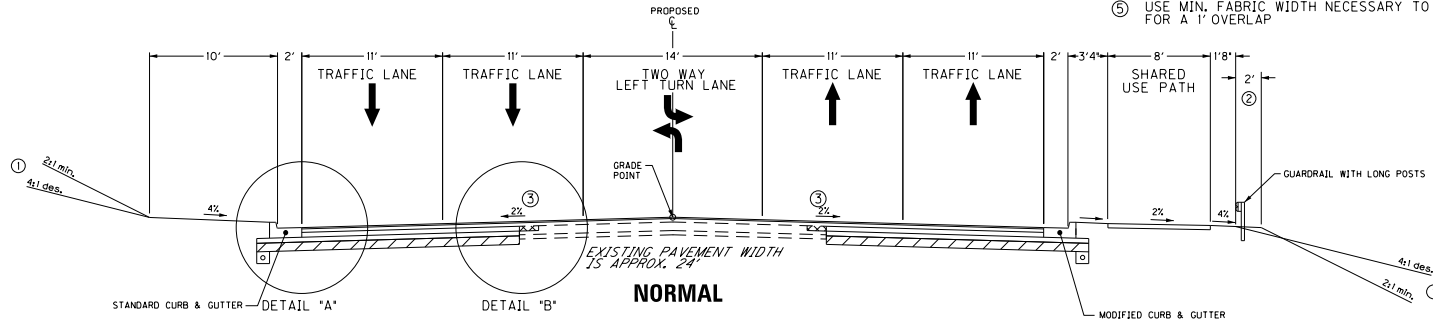
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KY245 OPTION #3 DESIGN SPEED = 45 m.p.h.

NOTES:

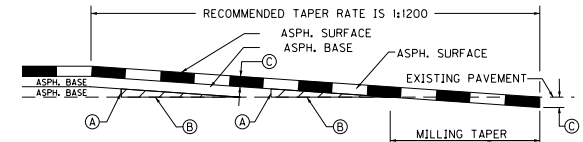
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## PAVEMENT SCHEDULE

OVERALL	1.25" CL3 ASPHALT SURFACE 0.38A PG76-22 3.25" CL3 ASPHALT BASE 1.00D PG76-22 VAR-LEVELING AND WEDGING
TRAFFIC LANES WIDENING	3.50" CL3 ASPHALT BASE 1.00D PG64-22 3.25" CL3 ASPHALT BASE 1.00D PG64-22 12.00" CRUSHED STONE BASE
ROADBED PREPARATION	GEOGRID REINFORCEMENT GEOTEXTILE FABRIC TYPE IV
SHARED USE PATH	1.25" CL3 ASPHALT SURFACE 0.38A PG76-22 3.00" CL3 ASPHALT BASE 1.00D PG64-22 6.00" CRUSHED STONE BASE



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