

On surfacing projects the 150 mm of Compaction Type AA, shown for the center portion on the roadbed, is for the purpose of restoring the original Compaction Type AA which may have been lost since grading operations. The exact locations of this Compaction Type AA which will be required, is to be determined by the Engineer at the time of construction. This work shall be paid under the bid item "Compaction of Earthwork (Type AAX(MR-))".

~~The _____ material used to backfill over the structure shall be paid for at the prices shown in the contract.~~

~~All side roads and house entrances shall be surfaced with _____ to the R/W line as indicated on the detail. All side roads and house entrances with existing asphalt surface shall be surfaced with _____ at least to the R/W line or to the end of construction, as directed by the Engineer. Each mailbox turnout (ON PROJECTS WHERE STABILIZED SHOULDERS ARE NOT SPECIFIED) shall be surfaced with _____ to the limits shown on the detail.~~

~~The thickness of side road and entrance surfacing may be increased to the same thickness as the stabilized shoulder within the approximate limits of the shoulder.~~

Quantities for aggregate for shoulders, AS-1, are calculated on the basis of 2 400 kg/m³.
Quantities for stabilized base course, AB-3, are calculated on the basis of 2 500 kg/m³.
Mass per m³ includes moisture allowed by specification.

~~Thicknesses indicated for all construction which is paid for on a mass or volume basis are approximate and may vary to correct for unevenness in the foundations or for other normal unevenness encountered in placement operations.~~

Bituminous Material quantities are calculated on the basis of 1000 kg/m^3 .



~~The work of cutting the subgrade and disposing of excess excavated material shall be subsidiary to other items in the contract.~~

For Summary of Quantities by Station, see sheet 50.

Thickness Indicated for all construction which is paid for on a weight of volume basis are approximate and may vary to correct unevenness encountered in placement operation.

† Computed at the rate of
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FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87N-0116-01	1999	51	110

◆ Width shall be 2.4 m or shoulder width, whichever is greater.

width whichever is greater

Diagram illustrating the location of a Mail Box relative to the road width and shoulder line. The road width is 33 m. The Mail Box is located 12 m from the left edge, 4.5 m from the centerline, and 4.5 m from the right edge. The shoulder line is 12 m from the right edge. The direction of traffic is indicated by an arrow pointing left. The edge of surfacing is shown, and the project area is indicated by a dashed line.

8.6 m for Side Roads

7.4 m for Entrances

"W"

R/W

Normal Slope

Road Slope

Field entrances will not be surfaced.

Variable slope approx. 15 m or as available.

* See note for slopes with drainage structure

$R=7.5\text{ m}$

Ditch

Edge of Surface

Shoulder line

Normal Slope

Var. Slope

2.4 m

15 m

6.315 m

Edge of Surfacing

* See note for slopes at mound entrance or side road

Varies

Normal Slope

Project

~~★ Dimensions for mound entrances or sideroads and those with drainage structures shall be similar with the exception of side slopes within the project clear zone. These slopes shall be as follows:~~

~~Normal Slope (but not steeper than 1:6 at approximate C of structure or appropriate clear zone width for entrances or side roads containing drainage structures.~~

~~1:8 Slope at the appropriate clear zone shall apply to all mound entrances and mound side roads to 3 m fill height. Normal Slope (but not steeper than 1:6) over 3 m fill height.~~

3	7/99	Rev. Quantities for Widening	W.N.J.	D.C.H.
2	12-26-96	Rev. units for tack rate	R.J.S.	J.O.B.
1	2-26-96	Type AA Compaction Bid Item	R.J.S.	J.O.B.
NO.	DATE	REVISIONS	BY	APP'D.

SUMMARY OF QUANTITIES (Surfacing)

FHWA APPROVAL		I-14-97		APP'D James O. Brewer	
DESIGNED	DETAILED	QUANTITIES	TRACED B.N.B.		
DESIGN CK.	DETAIL CK.	QUAN.CK.	TRACE CK. R.J.S.		