

RURAL GRAVEL ROAD PAVING PROGRAM GUIDELINES BOONE COUNTY, MISSOURI

Purpose:

The purpose of the program is to prepare and pave existing, rural, county-maintained, gravel roads that have traffic volumes high enough to create a maintenance burden for the Road & Bridge Department. Historical knowledge has indicated a significant increase in maintenance activity is required when gravel road average daily traffic (ADT) counts reach the 200 ADT to 250 ADT range.

This program is not intended to be used for roads that have, or are projected to have, 750 or greater ADT.

Minimum Requirements:

Gravel roads selected for this program must have a minimum traffic count of 200 ADT. Segments of adjacent or other gravel roads below 200 ADT may be included at the County's discretion if they provide a benefit to the County or are deemed an excessive maintenance burden.

Each road must meet, or have the ability to meet, the minimum design width criteria of 22 feet.

The proposed pavement must connect to at least one existing, publicly maintained, and paved roadway.

Establishing Priorities:

The County Commission will consider all relevant factors in determining the project list for this program. Factors to be considered shall include, but not be limited to, the following:

Roads with higher traffic counts will generally be prioritized over roads with lower counts.

Through roads will generally be prioritized over dead-end roads.

Roads with less required preparation work (i.e. culvert replacement, tree trimming/removal, widening, ditching, etc.) will generally be prioritized over roads requiring more preparation work.

Roads with fewer utility conflicts will generally be prioritized over roads with more such conflicts.

Roads with adequate easements will generally be prioritized over roads requiring additional easements.

BOONE COUNTY

RURAL GRAVEL ROAD PAVING PROGRAM GUIDELINES

Roads that have posed significant safety issues will generally be prioritized over roads with fewer safety issues.

Project List:

A project list for the program will be drafted for gravel roads meeting the minimum requirements and will be grouped by potential construction years and availability of funding.

The project list will be dynamic. Roads and rankings on the list may change over time as new traffic counts are taken and other factors impact potential projects.

Some roads on the list may need to be moved to other construction years if they will not be ready for the next bid year or construction years may be combined if more roads are ready sooner than expected.

Roads with traffic counts ≥ 200 ADT that are trending upward will be added to the list over time as new traffic counts are taken.

Roads may drop off the list if they drop below 200 ADT and have been trending downward.

Engineering Design and Surveying Standards:

A Professional Engineer shall design each project utilizing the AASHTO Guidelines for Geometric Design of Low-Volume Roads. Pavement sections will be designed to adequately carry the anticipated weights, volumes and types of vehicles for each roadway.

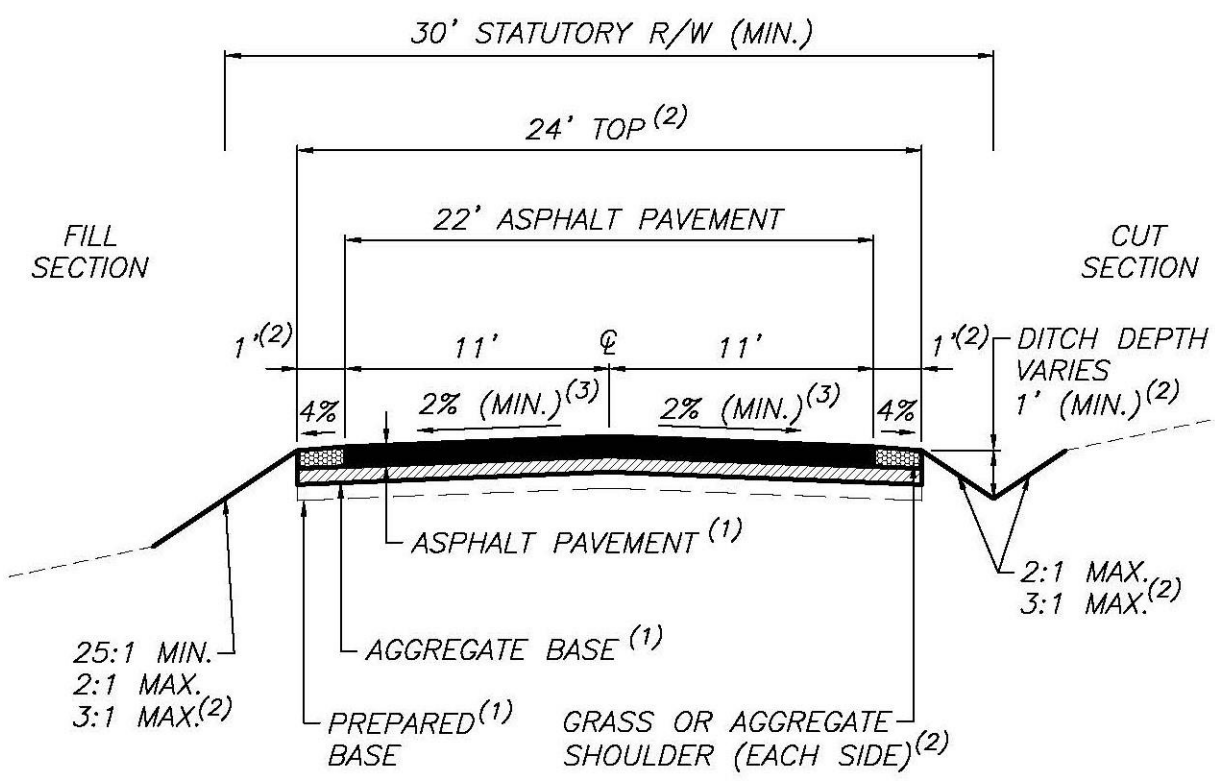
When converting a gravel roadway to paved, the horizontal and vertical alignment of the roadway should be compatible with the anticipated traffic speeds. Therefore, each roadway will be reviewed at the critical locations utilizing the above referenced guidelines to establish its design speed. Should costs or right-of-way prohibit the upgrading of all substandard sections, warning devices will be placed in accordance with the Manual on Uniform Traffic Control Devices (MUTCD).

A Professional Land Surveyor shall prepare legal descriptions for all easements and right-of-way required for each project.

A typical road cross-section diagram of the minimum project road design is attached hereto and incorporated into this policy as Exhibit 'A'.

BOONE COUNTY RURAL GRAVEL ROAD PAVING PROGRAM GUIDELINES

Exhibit 'A' Typical Minimum Road Cross-Section For Paving Existing, Rural, County-Maintained Gravel Roads



NOTES:

1. THICKNESS TO BE DETERMINED BY SITE-SPECIFIC DESIGN.
2. WHERE POSSIBLE BASED ON SITE-SPECIFIC CONDITIONS.
3. VARIES IN SUPERELEVATED CURVES.

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

November Session of the October Adjourned

Term. 20 24

County of Boone

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In the County Commission of said county, on the

19th

day of

November

20 24

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby adopt the attached Boone County Rural Gravel Road Paving Program Guidelines. This Commission Order supersedes and replaces the Boone County Public Works Surface Upgrade Guidelines originally adopted on July 23, 2002, by Commission Order # 325-2002 and later revised on January 21, 2003, and March 18, 2003, by Commission Order #24-2003 and #130-2003 respectively.

Done this 19th day of November 2024.

ATTEST:



Brianna L. Lennon
Clerk of the County Commission



Kip Kendrick
Presiding Commissioner



Justin Aldred
District I Commissioner



Janet M. Thompson
District II Commissioner