County

Route

Job No.

**CHECK LIST FOR PRELIMINARY PLANS**

1. Include on title sheet of the preliminary plans:

PRELIMINARY PLANS

ROUTE       COUNTY

JOB NO

PROJECT DESCRIPTION

STA.       TO STA.

DESIGN SPEED

DESIGN TRAFFIC       ADT (YEAR)

FUNCTIONAL CLASSIFICATION

SUBMITTED

2. Show typical section for the main line roadway at beginning of preliminary plans. Superelevated sections are not necessary.

a. Show limits if more than one typical section is required.

b. Indicate surface type as low, intermediate, or high type.

c. Show type of existing pavement.

d. Place the following note near typical section:

"The design guide for the width of right of way for this project will be       feet. More or less right of way, as well as other property interests, may be secured to satisfy the requirements of the design features of this project."

**NOTE:** When controlled access right of way is to be acquired, the above note shall include the statement: "Controlled access right of way is to be acquired for this project." or "Partial controlled access right of way is to be acquired for this project." When fully controlled access right of way is to be acquired, the note shall include the statement: "Fully controlled access right of way is to be acquired for this project."

**PLAN PORTION**

1. Show proposed alignment including:

a. bearings

b. P.I.'s and curve data

c. bypasses

d. intersection geometrics

e. interchange geometrics

2. Show topographic features including:

a. bridges (include bridge numbers)

b. buildings

c. cemeteries

d. geological features that have a significant effect on location or design

e. major drainage features

f. meander and direction of flow of streams

g. quarries

h. Section 4 (f) and 6 (f) land

i. utilities - overhead and underground

j. railroads

3. Show land lines and descriptions including quarter section lines.

4. Show village or city limits.

5. Place north arrow at beginning and end of preliminary plan sections, at one mile intervals and adjacent to center line breaks.

6. Show turning movement diagrams for all interchanges and for all intersections if either or both of the cross roads have over 400 average daily traffic (ADT). Also include the peak hour percentage.

7. Show existing alignment at least 1000' beyond both the beginning and end of the project.

8. Show typical section for other than main line roadway such as ramps, crossroads, supplementary routes, service roads, outer roadways and bypasses in the vicinity of the proposed road or ramp. Include surface type and width of existing roads.

9. Show recommended surface and shoulder thickness on typical sections.

10. Show property lines and owners.

11. Show land ties.

12. Show tentative right of way lines with station/offset ties.

13. If limited access right of way is involved, show property lines and points of access.

14. Show borrow area location.

15. Show alignment data for intersecting roads.

16. Show alignment data for interchanges.

a. base lines

b. horizontal curve data

c. label ramps

17. Show notes for pipes including drop inlets.

18. Show width and grade of entrances for urban projects.

**PROFILE PORTION**

1. Show tentative grade line including:

a. % grades

b. vertical P.I. stations and elevations

c. length of vertical curves

d. stopping sight distance at crest vertical curves

e. "K" values at sag vertical curves

2. Show profiles and proposed grades of other roads including:

a. cross roads

b. interchange ramps

c. outer roads

d. bypasses

3. Provide profile elevation datum at beginning and end of preliminary plans, at 1 mile intervals and at all breaks in the profile.

4. Show design high water elevations at major stream crossings.

5. Show existing profile grade at least 1000' beyond both the beginning and end of the project.

6. Indicate soil types and the approximate strata of various cut classifications.

7. Show bench marks.

**LETTER OF TRANSMITTAL**

1. Point out any major deviations from the location study or conceptual plan, including the method of handling traffic, and give reasons for such deviations.

2. Discuss controversial items.

3. Attach Design Exception Information Form if substandard items are proposed or have changed from a previously approved Design Exception.

4. List items that are unique to the particular improvement.

5. Explain items not self-explanatory on the preliminary plans.

6. Note estimated right of way and construction costs.

7. Request "G" limits and "Bridge Fund" limits for Federal-Aid projects.

8. Note passing sight distance for two-lane roads.

9. Discuss method of handling traffic during construction.

10. Discuss borrow and/or disposal area requirements.

11. Note any utility concerns.

12. Note results of capacity studies.

13. Submit 4 sets of prints for interstate projects, 2 sets of prints for all other projects.