

Medina County Subdivision Regulations

1502 Avenue K #201, Hondo, Texas 78861

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Preliminary Plat Checklist

The following is a list of recommended requirements for a Preliminary Plat Submittal. The Design Consultant must provide as much information as possible to assist County staff in the review and to simplify approval for the following submittal. The Consultant must coordinate closely with the County Commissioner to meet project's needs. If an item is defined as "Not Applicable" mutually between the county and consultant the consultant shall mark NA in the comment section and provide the reason why. The County Commissioner shall determine the submittal phases of review for the design process after the preliminary report is completed. Development projects may only require 2 design phases (50% and Final Design) as directed by the County Commissioner.

PROJECT NAME: _____

SUBMITTED TO: _____ (County Commissioner)

SUBMITTED BY: _____ (CONSULTANT Engineer)

REVIEWED BY: _____

Follow TxDOT criteria for Projects with State or Federal Funding

Preliminary Engineering Report

Base Mapping

- Initial Survey Control
- Topographic Map
- Right-of-Way Map

Comments: _____

Traffic Engineering Study

Existing Conditions

- | | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <input type="checkbox"/> Existing Roadway Geometry and typical cross sections | <input type="checkbox"/> Hourly Approach Traffic Volume | <input type="checkbox"/> Traffic Control Devices Inventory |
| <input type="checkbox"/> Existing Auxiliary Lanes | <input type="checkbox"/> Directional Average Daily Traffic | <input type="checkbox"/> Speed Limit Data |
| <input type="checkbox"/> Turning Movement Traffic Counts for Critical Intersections | <input type="checkbox"/> Collision Data | <input type="checkbox"/> K and D factors |
| | <input type="checkbox"/> Existing Condition Capacity and Level of Service Analysis | <input type="checkbox"/> Peak Hour Factor by Approach and Speed |
| | | <input type="checkbox"/> Heavy Vehicle Percentage |

- Existing Alternative Transportation Modes

- Existing Intersection and Roadway Lighting

- Existing Intelligent Transportation Systems

Proposed Conditions

- Typical Section
- Typical Section Alternatives
- Proposed peak hour volumes for all roadways
- Design year traffic volumes
- Identification of Design Vehicle(s)

- Projected level of service
- Potential Traffic Signal Improvements
- Potential Intersection Improvements
- Bicycle/Pedestrian Facilities
- Access Management Requirements

- School Requirements
- Railroad Coordination
- Potential Traffic Handling Issues During Construction
- Signs
- Pavement Marking

Comments: _____

Drainage Study

- Existing Condition Drainage Area Map
- Existing Condition Discharge Calculations
- Storm Sewer Layout

- Storm Sewer Layout Alternatives
- Floodplain Analysis (HECRAS Calculation and Summary)
- Alternative Analysis

- Culvert Layout(s)
- Erosion and Stabilization BMPs
- Outlet stabilization Plan
- Outfall Stabilization Plan

Comments: _____

Utility Coordination

- Identify Apparent Utilities in Project Corridor
- Determine Utility Renewal and Replacement Requirements

- Present Minutes from Initial Utility or utility coordination letters
- Show Existing Utilities on Project Base-map
- Identify Potential Utility Conflicts and Notify Utility Companies

- Identify Follow-on Utility Location Requirements with Utility Companies
- Coordinate Utility Adjustment Design with Utility Companies
- Develop Record of All Communications

Comments: _____

Roadway Design

- Proposed Roadway Alignment Alternative Layouts
- Proposed Construction Phasing Alternatives
- Potential Design Enhancement Alternatives

Comments: _____

Preliminary Geotechnical Study

- | | | |
|--------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------|
| <input type="checkbox"/> Proposed Pavement Design | <input type="checkbox"/> Terrain and Cut/Fill Estimation | <input type="checkbox"/> Preliminary Stabilization Requirements |
| <input type="checkbox"/> Pavement Section Alternatives | <input type="checkbox"/> Geologic Model | <input type="checkbox"/> Subsurface Exploration Guidance |
| <input type="checkbox"/> Proposed Alignment(s) | <input type="checkbox"/> Soil Identification from Published Data | <input type="checkbox"/> Non-Destructive Testing Plan |
| <input type="checkbox"/> Project Type | <input type="checkbox"/> Soil Characteristics Estimation | |
| <input type="checkbox"/> Feasibility Evaluation | <input type="checkbox"/> Soil Properties Estimation | |
| <input type="checkbox"/> Hydrologic Inferences | | |

Comments: _____

Permitting

- Design Alternatives

Comments: _____

Public Involvement

- Initial Needs Assessment
- Public Involvement Plan

Comments: _____

Other

- Preliminary Cost Estimate
- Project Schedule

Comments: _____

Submittal to County

- Preliminary Engineering Report
- Signed QA/QC Letter. Date of Review
- CD with PDF's of All Deliverables
- Schedule PER Review Meeting
- Preliminary Plan Layout

