

PROJECT SCOPE

TITLE: **Downtown Circulation Study**

STUDY LIMITS: **Limit area 1: Along Oregon from the west right of way line of Mesa St. to the west right of way line of El Paso St. from Yandell to Glory Road**

Limit area 2: Cotton St. to the East, Border Hwy to the South, Paisano to the West, and Arizona to the North

GENERAL DESCRIPTION/DELIVERABLES:

The Consultant shall conduct a study within the area described in the attached map. Projections and proposed improvements shall include projected growth in the central sector of the City related to residential, mixed use and commercial development, new entertainment complexes and other projected traffic generators. The study shall also consider proposed improvements along I-10, Loop 375 (Border HWY) and Paisano planned by the Texas Department of Transportation. Proposed improvements shall be phased with: immediate (0-3 years), midterm (3-7 years) and major milestones at 2017, 2025 and 2035. Phased improvements will be designed to maintain a level of service LOS D or better at all times during the study horizon. Study shall use the City's "Downtown 2015 Plan", http://www.elpasotexas.gov/downtown/information/downtown_plan/downtown_2015_plan_approved.pdf, including the City of El Paso's Jacobs BRT Study for guidelines and standards.

All improvements recommended must be evaluated using federal guidelines that will allow the city to seek and secure federal funding. Environmental concerns must also consider the existing character of the area and must strive to maintain that character.

Study shall:

For study limit area 1 only:

- Define current and projected parking demand and problems and provide recommendations and design alternatives for parking along El Paso St. and along the proposed Oregon BRT corridor, from the west ROW line of Mesa to the west ROW line of El Paso St.

Study shall:

For study limit area 2 only:

- Provide existing capacity and LOS of arterial corridors and intersections identifying bottlenecks in the system.
- Impact of vehicular traffic from the Paso del Norte port of entry.
- Evaluate land use including:
 - Existing land use
 - Proposed land use
- Evaluate and recommend locations for parking, including:
 - Define current and projected parking demand and problems
 - Assess impact of future development on parking sufficiency
 - Assess current inventory of all types of parking supplies, both public and private including:
 - Posted day/time restrictions/limits
 - Determine peak utilization periods
 - Loading zone needs and utilization
 - Assess parking structure needs, locations and utilization (Consultant to provide cost as a line-item for this part of the study)
 - How many spaces are projected at each garage
 - What is the income projected per space (based on monthly/hourly users) given El Paso's market
 - What is the cost per space (or per garage) to build the needed parking
 - The resulting financial analysis that will show what the payback period would be on a garage
 - Review the City of El Paso Downtown 2015 Plan from a transportation perspective
 - Develop parking management strategies for the Central Business District, including the area from: The Union Depot to Virginia St. and Arizona to Loop 375 (Border HWY)
 - Other improvements
- Evaluate and recommend bicycle facilities including:
 - Dedicated bike lanes
 - Bike & hike
 - Bike furniture
 - Bicycle rental program
 - Review current and proposed ordinances for bike parking and plans
- Evaluate and recommend transit operation including
 - Stop amenities/furniture
 - Dedicated bus lanes
 - Circulation
 - Priority system

- Turning radius
- Downtown circulator
- Trolleys (identify minimum requirements and what are the implications of providing?)
- Review City of El Paso fixed-guide transit to/from Juarez study
- Review Sun Metro Circulation Study and Implementation Plan
- Economic impact of mass transit routes and changes thereof
- Other improvements
- Evaluate and recommend pedestrian circulation including:
 - Counts
 - Safety
 - Capacity
 - Crossings
 - ADA ramps/pedestrian signals
 - Countdown pedestrian signals
 - Sidewalk width
 - Landscaping
 - Furniture
 - Pedestrian lights
 - Pedestrian zones
 - Way-finding
 - Drop-off zones at the Stanton and Paso Del Norte International Bridges
 - Impact of pedestrian traffic from the Paso del Norte port of entry
 - Other improvements
- Recommend geometric improvements at intersections including:
 - Roundabouts
 - Bulb-outs
 - Multi-way stops
 - Traffic signals
 - Diagonal crossings
 - Other improvements
- Recommend arterial alternatives to meet demand at LOS C-D (arterials need to be LOS C or better and anything below an arterial classification will have a LOS D or better), including:
 - Existing one way streets
 - Conversion to two-way streets
 - Conversion to one-way couplets
 - Road diets
 - Access to public buildings
 - Security concerns surrounding public buildings
 - Street lighting
 - Geometric improvements
 - Proposed cross-sections
 - Traffic control
- Recommend funding strategies for plan implementation

Consultant shall provide:

- Milestone timeline
- Network model for area for each milestone
- 12 hr. manual pedestrian and vehicular movement traffic counts at signalized and multi-way stop intersections. To be done Tuesday, Wednesday or Thursday 7a.m.-7p.m. while school is in session. See attached list for intersections. (Consultant to provide cost/intersection as a line-item for this part of the study)
- 24 hr. mechanical counts as indicated on attached list of intersections. To be done Tuesday, Wednesday or Thursday while school is in session. (Consultant to provide cost/intersection as a line-item for this part of the study)
- Existing level of service
- Level of service considering proposed phasing of improvements
- Geometric improvement schematics and phasing
- Cross-sections for improvements to network
- Phasing plan for improvements including milestones
- Estimates for all proposed improvements during each milestone
- Photo-morphing for various milestone points of improvements
- Coordinate with all of stakeholders necessary for gathering of data, including: Sun Metro, TX DOT, public sector, private sector, neighborhood associations, other City of El Paso Departments
- Minutes of all meetings held with stakeholders
- Public outreach before and after final draft submittal, i.e. surveys and meetings
- Technical support to City at a minimum of 4 public meetings after final draft submittal
- Presentation materials for public meetings
- Public meeting facilities and financial responsibility if required
- Comments/answers to questions collected during public meetings
- Any other information asked by the City for the completion of the Downtown Circulation Study
- Five (5) copies of Final Draft Study in both hardcopy and electronic format before final four public meetings
- Five (5) copies of Final Study in both hardcopy and electronic format

GENERAL REQUIREMENTS AND CRITERIA:

1. Recommendations must meet all applicable City Codes and Ordinances.
2. Recommendations must comply with all Federal, State and Local laws and regulations, including but not limited to the Americans with Disabilities Act.
3. Submittals shall include electronic media copies in a format approved by the City of El Paso
4. Work will be coordinated through the Engineering Department.

PROJECT SCHEDULE: (Consecutive Calendar Days)

Draft Study Submittal 180 days

Final Study Submittal 30 days