

MASOOD MIRZA P.E., P.T.O.E.

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PROJECT EXPERIENCE

- **Master Plan for I -295 (Jacksonville Florida)**
 - Developed Existing and future traffic for the 65 miles of the interstate facility (I-295) including cross street intersections.
 - Develop existing and mid-design year traffic analysis.

- **Traffic Technical Memorandums (TTM)**
 - SR 50/ Turnpike interchange, City of Ocoee, Orange County, FL
 - Sunrise Boulevard/ Sawgrass interchange, City of Sunrise, Broward County, FL
 - Polk Parkway widening, Polk County, FL

- **Interchange Justification Reports (IJR)**
 - Stirling Road/Turnpike interchange, Broward County, FL
 - Pace Road/Polk Parkway interchange, Polk County, FL
 - CR 468/Turnpike interchange, Sumter County, FL

- **Methodology Letter of Understanding (MLOU)**
 - I-75/Turnpike interchange: Sumter County, FL
 - CR 468/Turnpike interchange: Sumter County, FL
 - Stirling Road/Turnpike interchange: Broward County, FL
 - Pace Road/ Polk Parkway interchange: Polk County, FL

- **I-5/Beltline Interchange Study, Springfield, OR**

Responsible for participating and coordinating with Oregon Department of Transportation (ODOT) and other local and regional agencies, business and private groups in developing a multi-million dollar interchange design study and plan for the City of Springfield, Oregon. The project included developing evaluation criteria in accordance with local, regional, state and federal guidelines, reviewing and analyzing various design options, participating in public involvement process and taking it through the regional adoption process.

- **Corridor Studies, Springfield, OR**
 Responsible for identifying, developing and managing issues; pedestrian and bicycle safety and connectivity issues; transit system planning issues; land use changes in accordance with local and regional guidelines.
- **Conceptual Street Network Plan, Springfield, OR**
 The project included selecting locations and alignment for the future collectors and local streets, developing design standards, revising City's development code, coordination with public, consultants, developers and builders, the City Council, and the Planning Commission and taking the project through the adoption process.
- **Transportation System Plan, Springfield, OR**
 Responsible for representing the City in the update of the regional planning model, reviewing model outputs and making recommendations, developing parameters for model calibrations and sensitivity analysis, participating in the public involvement process and making presentations.
- **Local Street Plan, Springfield, OR**
 Responsible for identifying the City's future transportation needs, conducting operational analysis using HCS, SYNCHRO and TRANSYT 7F, coordinating with other departments of the City, designing and following the public involvement and adoption process.
- **Development Code Update - City of Springfield, OR**
 Developed requirements, guidelines and review process for the Traffic Impact Studies (TIS) and took this document through the public review and Council adoption process.
- **System Development Charges Update
 City of Springfield, OR**
 Responsible for identifying future capital improvement needs, conducting technical analysis using HCS and SYNCHRO, coordinating with the consultants, making presentations to the stakeholder committee and the City Council, and taking this project through the public involvement and adoption process.
- **Regional Bus Rapid Transit (BRT), Springfield, OR**
 Responsible for coordinating with the local Transit Authority, ODOT, City of Eugene, and Lane County to identify routes for the BRT system, develop technical

evaluation criteria, directed and reviewed environmental analysis document, worked with local elected officials in taking this project through the adoption.

- **Design of Traffic Control Devices**
Directed, developed and evaluated traffic control plans including traffic signal plans; design of roundabouts and traffic calming devices in the cities of Seattle and Bellevue, and Skagit County, Washington and Springfield, Oregon.
- **Access Management Standards**
Developed design standards for medians and other access management tools for the City of Springfield. The project includes data collection, analyzing and reviewing design standards used by other agencies, developing the City's requirements in accordance with guidelines provided by the Council and creating design standards.
- **Refinement and Conceptual Development Plans**
Responsible for developing, reviewing and managing refinement and conceptual development plans. The projects include identifying the impacts of land use planning changes on the transportation system, analyzing and developing mitigation plans, reviewing HCS, SYNCHRO, Passer and CORSIM traffic operational models.