

A CAREER IN TRANSPORTATION



KITTELSON & ASSOCIATES, INC.
TRANSPORTATION ENGINEERING/PLANNING

Ryan J. Cunningham, P.E.
University of Central Florida (2006/07)



Today's Transportation Challenges and Opportunities



PRESERVATION



CONGESTION



SAFETY



EQUITY



What about Your **Career Opportunities**
in Transportation?



Engineering

Planning

Marketing

Environment

Transportation

Policy

Finance

Technology

Opportunities in the Public Sector



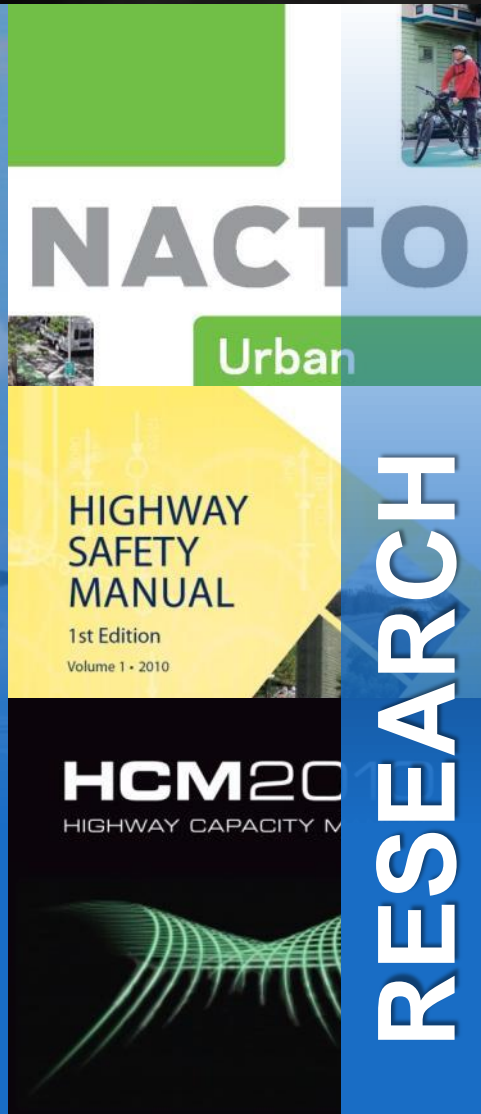
Opportunities in the Private Sector



TEACHING



ECONOMIC DEVELOPMENT



RESEARCH



PUBLIC SERVICE



TRANSPORTATION

PLANNING

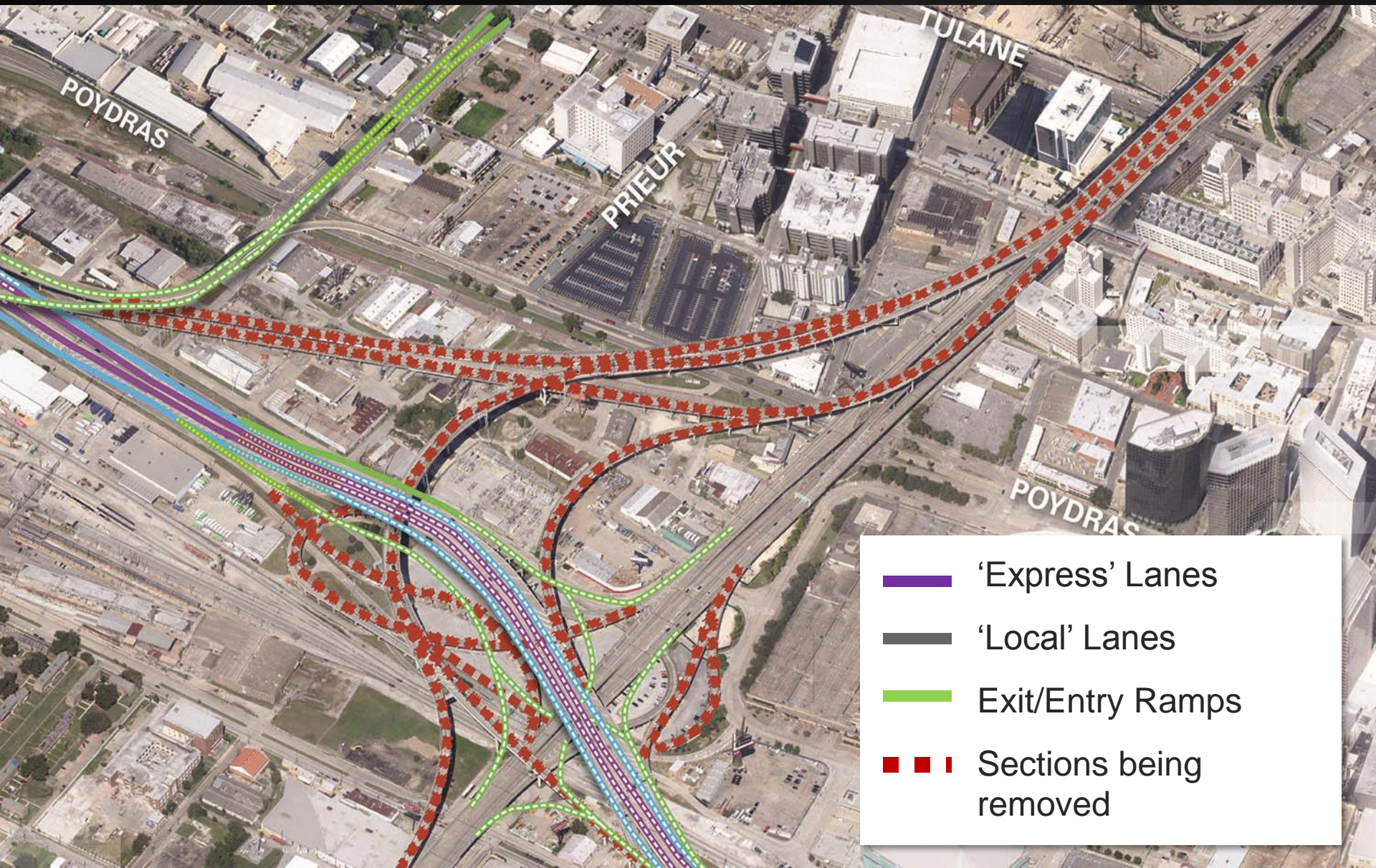
TRANSPORTATION PLANNING

- Long Range Plans
- Neighborhood Traffic Management
- Planning Policy
- Parking
- Multimodal Performance
- Corridor Planning
- Travel Demand Modeling
- Master Plans/Subarea Studies

Livable Claiborne Communities

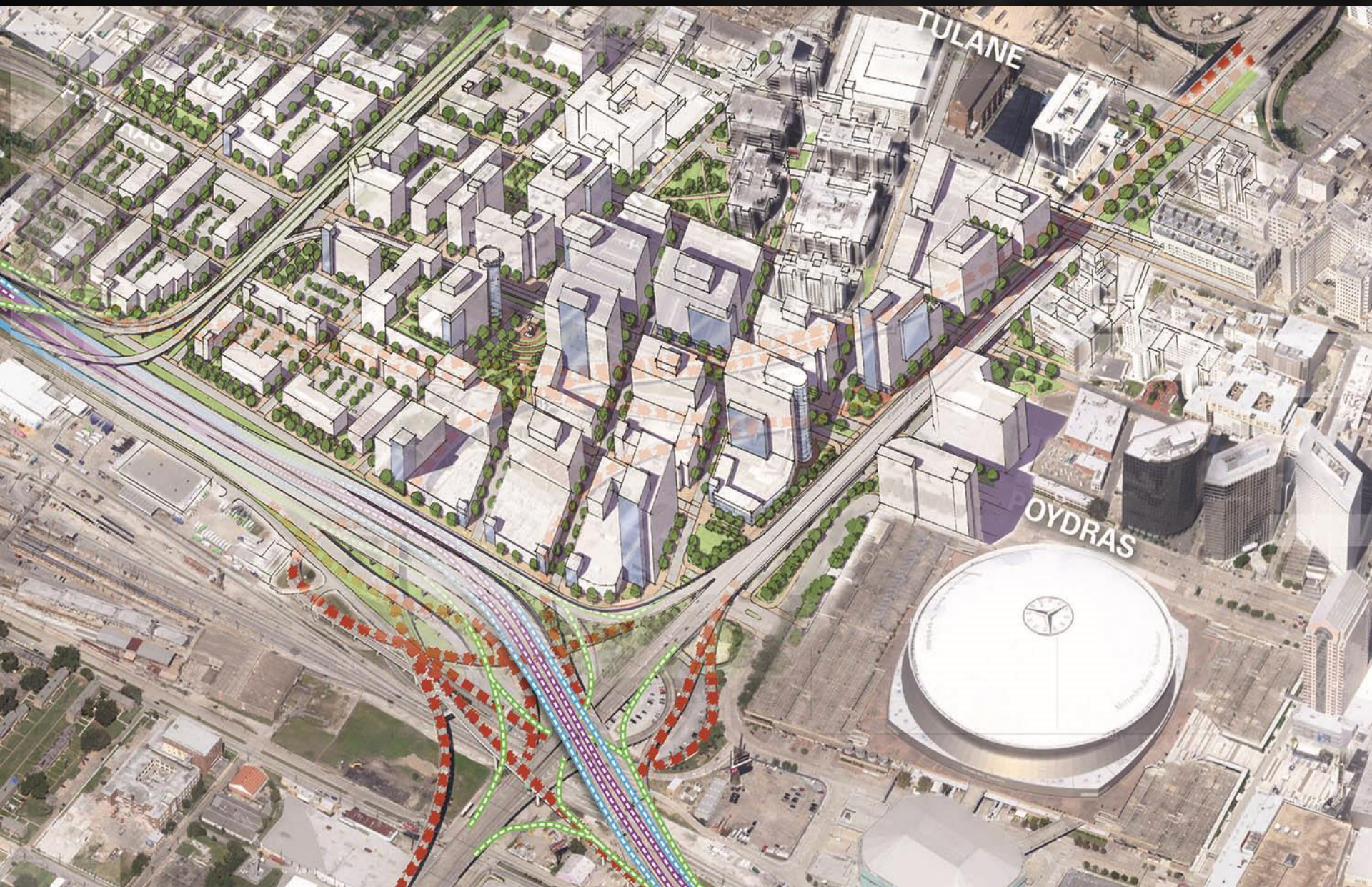


I-10/Claiborne Interchange



- 'Express' Lanes
- 'Local' Lanes
- Exit/Entry Ramps
- ■ ■ Sections being removed

Preferred Scenario



PUBLIC WORKS

- Operational and Safety Studies
- Railroad at-grade crossings
- ITS/Signal Systems
- Flexible Services
- Preliminary/Final Engineering
- Final Design

Stafford Rd. at Borland Rd. Clackamas County, Oregon



TRANSPORTATION SAFETY

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- Research
- Corridor and Intersection Safety Analysis
- Bicycle / Pedestrian Safety Audits
- Crash History Analytics
- ADA Compliance Support
- *Highway Safety Manual* Implementation Support

TRANSIT PLANNING

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- Bus Rapid Transit (BRT)
- Transit Signal Priority (TSP)/Transit Preferential Treatment
- Transit Development Planning (TDP)/ Transit System Planning
- Performance/Concurrency Measurement
- Transit-Oriented Development

DEVELOPMENT SERVICES

DEVELOPMENT SERVICES

- Transportation Impact Analysis
- Functional Design
- Traffic Design & Construction
- Special Studies
- Site Analysis/Feasibility
- Approval Process

LIVABLE TRANSPORTATION



- Complete Streets (Policy / Implementation)
- Conceptual Retrofit Streetscape Design
- Integrated LU & Planning (transportation focused / land use focused) – downtowns, campuses, neighborhoods
- Context Sensitive Traffic Solutions (traffic calming, etc.)
- Bicycle/Pedestrian Master Plans

Space Coast TPO Vision



Florida Avenue – “Before”

Space Coast TPO Vision



Florida Avenue – “After”

2nd Street Lighting and Tree-Well Design



Date:		No.:		Revisions:		By: <i>7/4/12</i>			Drawn: JKS Designed: AJD Checked: HJS / CWR		City of Lake Oswego Engineering Division Guy R. Graham, P.E. Public Works Director / City Engineer	Scale: As Shown	Date: October 2012	File Name: 11483_Lum01.dwg	of 46

RESEARCH & EDUCATION

RESEARCH & EDUCATION

- Transportation Research
- Education
- Transportation Research Board
- Short Courses

Problem #1: All Capacity Analysis

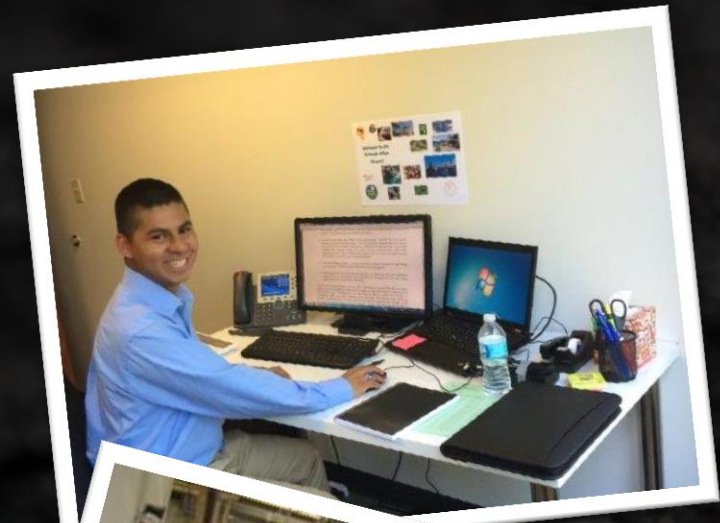
	100	150	200	250
Learning volume (min)				
Qualifying volume (min)				
MTL				
Time capacity (min)				
All Bids				
Network Control				
Time Control				
Network Control				
Time Control				
MTL				

Job Search: Questions to Consider

- Where do you want your **career path** to lead?
- What kind of **values** do you want in an organization?
- What kind of **environment** do you want to work in, and will it be conducive to your **professional/personal growth**?
- What are all of the **benefits** that you want an organization to bring to you as “**compensation**”?

What Should You Look for In an Organization?

- **Encourages** employee growth and development
- **Maintains** an open environment for communication
- **Provides** a network of mentors and resources
- **Challenges** their staff with a variety of work and experiences





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Thank You!

For more information go to:
www.kittelison.com