



Mentoring the Next Generation

MPOAC Meeting
June 1, 2017

James Cromar, Broward MPO

Motivating Factors for Outreach



Strengthening our connections with the community



Implementing our Board's vision for the agency



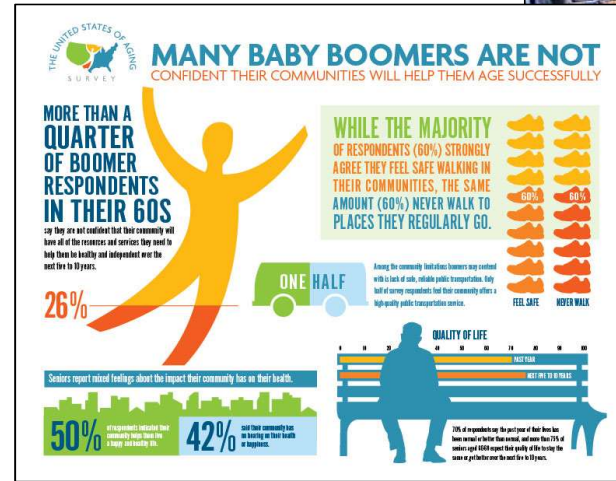
Strengthening our relationships with our partnering agencies



Helping make education curriculum more career-focused

The Silver Tsunami is coming...

- How can we **actively** engage the next generation?
- How can we **expose** students to the world of transportation planning?
- How can we **interest** students in thinking about long term planning and safety?



[EDITORIAL] Silver tsunami closing in


Senior Minister Goh Chok Tong announced last Sunday that a pilot study to find out the needs of the elderly and how the Government can create a support system for this growing segment of the population will be launched in his Marine Parade ward. Marine Parade was picked for the study because, as Mr Goh said, it is a "precursor" to the situation Singapore will face in 20 years' time, when one in five – or about 900,000 people – will be aged 65 and older.

In fleshing out the details of the study the following day, Mr Lim Boon Heng, the minister in charge of ageing issues, said it will include a survey which will kick off in February next year. Various ministries will be involved in the study, and good cost-effective ideas will be replicated in other wards before the five-year time frame is up. Programmes supporting the elderly to age in place already exist. Examples include a wellness programme and seniors activity centres which also provide referral services. The Housing Board has built studio apartments with

become very visible. Members of Parliament report their increasing numbers in the various constituencies. This study should perhaps have been done earlier, but it is better late than never. Ad-hoc measures and individual initiatives are no longer enough. There must be a concerted national effort to attend to the needs of the elderly. We urge haste.

Walk to School Day: Elementary School Students

- **Focus:** Promote Pedestrian Safety
- Annual Event
- Paired our Board Members with MPO Staff members for the various events all over the county.




**2016
Walk
to
School
Day**


Hundreds of students,
parents & staff
participated countywide

14 MPO Board Members
participated

6 MPO Staff Members
participated

Thanks to Broward
County Public Schools
for making this possible!

 **BROWARD**
County Public Schools

 **Broward MPO**
Metropolitan Planning Organization

Career Days: Elementary Schools Students

- **Focus:** expose students to Transportation Planning field
- We're starting to receive requests from schools rather than seek out the schools



Construction Career Days: High School Students

- **Focus:** Expose students to Transportation Planning field
- Annual Event
- Work with local DOT district
- Collect teacher information to send them scholarship & grant information



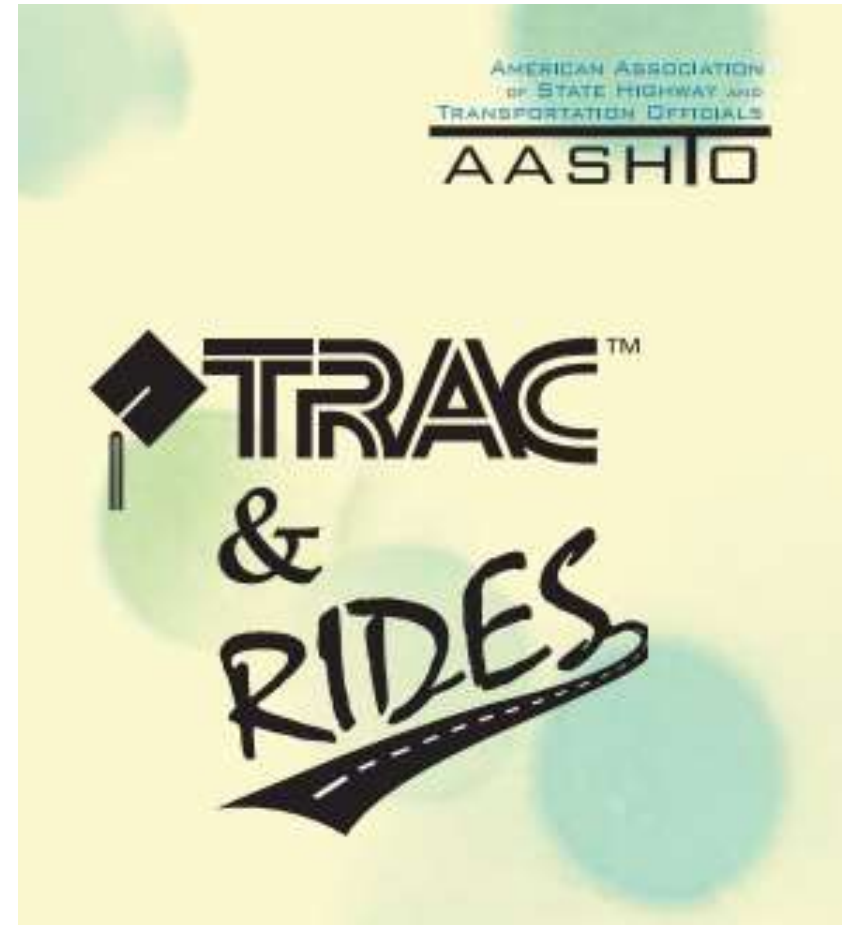
Think Like A Planner: High School Students

- This event provides each student with the opportunity to shadow transportation professionals and conduct their own short group presentations before elected officials.



TRAC & RIDES Program

- Florida is a member of AASHTO's **TRAC** (Transportation and Civil engineering) and **RIDES** (Roadways In Developing Elementary Students) educational outreach program.



TRAC & RIDES Program at the Broward MPO

- The *Summer Physics and Physical Science Workshop* (on flyer) is held annually at the Broward MPO office.
- Our staff worked with the Science Technology Engineering and Math (STEM) staff at Broward Schools



2017 TRAC SUMMER WORKSHOP JUNE 19TH AND 20TH

The Applied Learning Department, Secondary Learning Department, and Broward Metropolitan Planning Organization ([Broward MPO](#)) would like to invite all STEM (physical science, physics, engineering and STEM) teachers/coordinators to join us for an amazing, hands-on workshop this summer. Each module incorporates the physics involved in transportation planning. Participating schools will choose a module to receive and use at their schools! Follow-up and teacher feedback must be completed to receive the module. Limited enrollment - **REGISTER TODAY in MyLearningPlan!** More information about **TRAC & RIDES** (<http://trac.transportation.org/>)

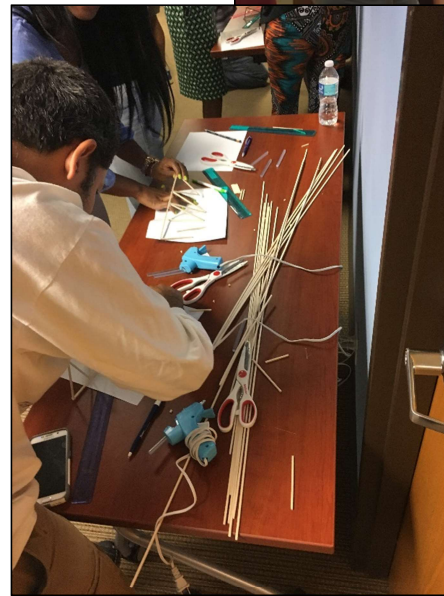


The flyer is a vertical blue banner. At the top left is the Broward logo, and at the top right is a box with "S.T.E.M. COMPUTER SCIENCE" and a plus sign. Below this is the text "& Secondary Learning-Science". The main title "TRAC SUMMER PHYSICS AND PHYSICAL SCIENCE WORKSHOP" is in large white letters. Below that, two modules are listed: "MAGNETIC LEVITATION MODULE!" and "MOTION AND TRANSPORTATION ENGINEERING MODULE!". At the bottom, on a yellow background, is the contact information for Broward MPO, including the address, phone number, website, and dates "June 19, 2017" and "June 20, 2017".

BROWARD MPO
100 West Cypress Creek Road
6th Floor Suite 650
Ft. Lauderdale 33309
Visit BrowardMPO.org
June 19, 2017
June 20, 2017

TRAC & RIDES Program

- Your agency can host an event like this as well! For FREE
- AASHTO sends trainers around the country to lead the training.



TRAC & RIDES Training: Middle & High School Teachers

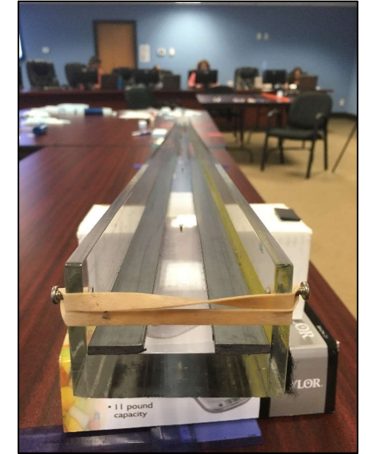
- TRAC has eight (8) modules which engage students in solving real-world problems while connecting them to the work world of transportation.



Watch these teachers try out the Bridge Module...

TRAC & RIDES Training: Middle & High School Teachers

- Each module contains the equipment, software and supplies needed to perform up to 75 hands-on activities related to:
- Bridge Design • Highway Safety • City Planning
- Magnetic Levitation • Design and Construction
- Motion • Environmental Engineering
- Traffic Technology



Samples of TRAC Modules

TRAC & RIDES Training: Middle & High School Teachers

- During this **free**, hands-on free training, teachers are able to try out the educational modules
- Worked with Science Technology Engineering and Math (STEM) staff at Broward Schools



How can my agency get involved?

1. Contact Chris Ryan, the Florida TRAC & RIDES Representative. He can help you get started.
2. Coordinate with your local School Board's Science, Technology, Engineering and Math (STEM) department to procure teachers for the training.
3. Host the training at your agency.
4. Share success stories with public, your Board and here at MPOAC!

Major Keys to Work With the Schools in Your Area

Do you have:

- School Board Members on your Board?
- Local Schools with Career Development Department?
- Local Schools with Magnet Schools/ Science Technology Engineering and Math Departments?

Involve your Elected Officials

- Board Members
- Industry Professionals
- Partnering agencies
- Technical staff
- Consultants



Fruits of Our Labor

- Schools begin to approach your agency for:
 - Career day requests
 - Career Fairs
 - Student Mentorship
 - Internships
 - School Board presentations
 - Advisory Board meetings
 - Science Days
- They provide us with opportunities and we reciprocate.



Next Steps | More Information

- Interested in having this FREE training at your MPO/TPO office?
- To get started on hosting your own TRAC Training, please contact the Florida TRAC & RIDES Representative, **Chris Ryan** at (954) 876-0036 | ryanc@browardmpo.org.



Contact:

Chris Ryan

Florida TRAC & RIDES Representative

(954) 876-0036

ryanc@browardmpo.org