Motorcycle Safety Coalition Meeting Report

August 15-16, 2017

Prepared for

Florida Department of Transportation

Prepared by

Center for Urban Transportation Research (CUTR)

University of South Florida

Motorcycle Safety Coalition Meeting Report

August 15-16, 2017

Prepared for

Florida Department of Transportation

Prepared by

Center for Urban Transportation Research
4202 E. Fowler Ave. CUT100
Tampa, FL 33620

Meeting notes taken by
Christen Miller

Date

August 15-16, 2017

1.0 Attendees

Table 1.1 Coalition Meeting Attendees

Last Name	First Name	Agency	Email
Babu	Maya	Ryder Trauma Center	maya.babu@jhsmiami.org
Batchelor	Elise	FL Dept. of HSMV	EliseBatchelor@flhsmv.gov
Bond	Julie	CUTR	bond@cutr.usf.edu
Byers	Patricia	Ryder Trauma Center	pbyers@med.miami.edu
Cott	Megan	CUTR	mcott@cutr.usf.edu
DeSiato Jr.	Dominick	HCSO	djdesiat@hcso.tampa.fl.us
Dobbs	Michael	Rider Training	BIkertrainer1@yahoo.com
French	Kaitlyn	CUTR	kfrench1@cutr.usf.edu
Gordon	Joey	FDOT	joey.gordon@dot.state.fl.us
Graves	Ray	DHSMV	RayGraves@flhsmv.gov
Hollingsworth	Laura	FDOT	Lora.Hollingsworth@dot.state.fl.us
Jackson	Deja	UF	dmjackson@ufl.edu
Jang	Si-Won	CUTR	sjang2@cutr.usf.edu
Kean	Jeanne	CUTR	jbkean@earthlink.net
Lee	Chanyoung	CUTR	cylee@cutr.usf.edu
Mai	Alan	Bureau of Emergency Medial Oversight	Alan.Mai@flhealth.gov
Martinez	Janice	LEL District 7	Dist7@floridalel.info
McGinnis	Jim	Goldwing Rider Assoc.	tiggernroo04@yahoo.com
Michael	Todd	Broward County Sheriff	Todd_Michael@sheriff.org
Miller	Christen	CUTR	christen@cutr.usf.edu
Mouyid	Islam	CUTR	mouyid@cutr.usf.edu
Peters	Edie	FDOT	Edith.Peters@dot.state.fl.us
Pretti	John	Motorcycle Training Academy	Floridasaferider@hotmail.com
Provenzano	Joel	FDOT	Joel.Provenzano@dot.state.fl.us
Regalado	Ginger	FDOT	Ginger.Regalado@dot.state.fl.us
Reynolds	Wade	MPO	reynoldsw@plancom.org
Rizer	Donald	HCSO	drizer@hcso.tampa.fl.us
Russell	Kellie	CUTR	kellier@cutr.usf.edu
Smith	Jeff	Adventure Rider Training	advridertraining@aol.com
Vanbeber	Shaun	LEL Miami/Fort Lauderdale Area	dist6@floridalel.info
Welch	Mark	FHP	MarkWelch@flhsmv.gov

2.0 Presentation Notes – August 15th

Welcome and Program Update – Edie Peters

- Introduction of new members and welcome
- May is Motorcycle Safety Awareness Month Proclamation Event overview
    - Video from the Proclamation Event
- New website (www.ridesmartflorida.com)
    - Members were asked to look over the new website and provide feedback
- Two members are now a part of the FHWA Motorcyclist Advisory Council
    - Mr. Joel Provenzano and Dr. Chanyoung Lee
- Proportion of Motorcycle Operator Fatalities by Month
    - There has been 245 fatalities
    - Efforts to keep the fatalities below 450 in 2017
- Florida county fatalities based on motorcycle types chart
    - Possible causes of fatalities
        - Speeding
        - Unendorsed Motorcyclists
- Possible meeting dates for the next meeting are Nov. 14-15, 2017

Evaluating Program Effectiveness Using Student Surveys – Pat Hahn (Communications and Outreach Manager, TEAM OREGON Motorcycle Safety Program Program)

- Mr. Hahn presented the Evaluating Program Effectiveness Using Student Surveys
    - An evaluation of Florida's Motorcycle Training Institute, Inc. Basic motorcycle rider training curricula in meeting national standards
    - A comparison of basic and intermediate motorcycle rider training curricula in Florida, Idaho and Oregon and national standards
        - Surveys were sent to 13,000 students between the three states
        - Received a 33% response rate
            - 10% were from Florida
- Research Objectives
    - Determine effectiveness of curricula in meeting national standards
    - Determine how states' courses are different in meeting national standards
    - Identify curriculum areas in need of improvement
- Almost all topics had a 90% or higher post-course result
    - Only a few questions did not receive a 90% or higher
- Highest Florida BRC topics post-course percentage of students responding 4 or 5:
    - Protection, Comfort, Visibility
    - Legal and Social Consequences
    - Obeying Laws
    - Crash Risk

  - The results are 90% or higher post-course in all three states
- Lowest Florida BRC topics post-course percentage of students respond:
  - Overtaking
  - Group Riding
  - Passengers and Cargo
  - The same questions were the lowest numbers in Oregon and Idaho as well
- Areas of Greatest Difference
  - How engaged were you?
    - Engagement with Instructors: Florida 90%, Idaho 87%, Oregon 84%
    - Engagement with Students: Florida 81%, Idaho 76%, Oregon 64%
  - Rate your riding skill level percentage of students responding 4 or 5:
    - Pre-course: Florida 12%, Idaho 2%, Oregon 5%
    - Post-course: Florida 45%, Idaho 21%, Oregon 24%
  - Every other topic had the same results besides "rating your skill level" Florida was the only state that rate themselves highly before the course
- Open-ended student comments
  - No difference in student responses based on riding experience
    - What did you get from the course that you did not expect?
    - What did you expect from the course that you did not get?
  - Common responses from Oregon included: Did not expect to be tired after riding, thought they would be riding more during the course, helpful trainers, etc.
- After the presentation a question was asked about the survey questions and if the students answered based on feelings or fact. Mr. Hahn said that students answered based on how they felt.
- The course was 8 hours of riding and 8 hours in the classroom
  - Students pay $200 for the class in Oregon, cheaper in Idaho.
- The survey was conducted March through November of 2015

Hillsborough County Vision Zero Plan – Mr. Wade Reynolds (Hillsborough County MPO)

- Safe Streets Now – Vision zero plan
- 51 pedestrians died in Hillsborough in 2015
- Mr. Reynolds summarized a series of Vision Zero workshops in Hillsborough County.
- Action Plan Development – one message many voices
  - Goal 1: Increase awareness of Vision Zero to influence safer behaviors on our roadways
  - Goal 2: Engage with victims of traffic violence and their families to provide them a support system & a platform for their voices to be heard
- Action Plan Development – future not like the past
  - Goal 1: Update policies, standards and procedures to foster a culture of safety in the planning and design of the transportation system
  - Goal 2: Create a safe multimodal transportation through good design, lighting, and connected facilities
- Action Plan Development – paint saves lives

  - Goal 1: Use high-visibility markings on the transportation network to raise driver awareness of walking and cycling travel zones
  - Goal 2: Implement low-cost treatments to improve the safety of the roadway particularly for vulnerable users
- Action Plan Development – consistent and fair
  - Goal 1: Leverage the capabilities & existing resources of the CTST as a community law enforcement partnership
  - Goal 2: Establish Vision Zero "Consistent & Fair" Corridor Program
- Top 20 Server-crash corridors
  - 63 miles of roadway
    - Only 4% of Hillsborough roads
  - 1030 severe crashes in five years
    - Not fender benders
- Vision Zero Workshop 4
  - Engage with victims of traffic violence and their families
  - Approve Final Action Plan
    - Aug. 22, 2017 at 9:00 a.m.
      - Location TBD
- Wade Reynolds defined an MPO as a federally mandated and federally funded transportation policy-making organization that is made up of representatives from local government and governmental transportation authorities.
- Vision Zero was created in Sweden and has also been picked up in New York
  - A discussion took place about New York's transit systems

Hillsborough County HVE – Dep. Rizer

- Drivers ED simulator
- 9 Bike Events
  - Were able to speak during these events
  - Motorcycle Violations Checklists
  - 32 shifts for motorcycle cops
    - 10 citations
    - Tow the bike on the first offense
    - Followed speeding motorcyclists with a helicopter
  - Education program

Legislative update on Insurance and Survive the Ride Update – Patty Byers

- Dr. Byers addressed the following points
  - Populations of riders over legal limits for alcohol and other drugs show decreased helmet utilization than sober populations ($p<.032$), particularly at overindulgent alcohol levels ($R=0.66$)
  - Borderline significance was found regarding riders positive for any level of substance as less likely to engage in helmet use than sober populations ($p=.051$).

  - Overall findings suggest that substance/alcohol use does negatively affect helmet decision-making.
  - Sober riding populations have improved decision making for helmet use, and programs such as Survive the Ride used to educate patients on safe riding habits may positively patient outcomes.
- Helmets Decrease Risk of Death by 38%
  - Hospital length is longer when not wearing a helmet
  - Cost is greater when they do not wear a helmet
- Universal Helmet Law
  - In 2015, 40% of motorcyclists killed were NOT wearing helmets
    - 58% in states WITHOUT all rider helmet laws
    - Vs 8% in states WITH all rider helmet laws
  - Florida repealed universal helmet law in 2000
  - States with youth-specific laws
    - Serious TBI in young riders 38% higher in states with age-specific laws compared to states with all-rider laws
  - Estimated 1,772 lives saved by helmets in 2015 in US
    - >700 more lives could have been saved if all motorcyclists had worn helmets
- Helmet Removal Video was shown
  - How to remove motorcycle and scooter helmets in crash victims
    - A question was asked about if the helmet should be removed after the crash. Dr. Byers said that the removal of the helmet should be discouraged until trained paramedics arrive.
- Not required to have medical coverage that can be checked when riding a motorcycle
- FMA Florida Chapter ACS Delegation data regarding motorcycle crashed 8/5/17
  - For crashes
    - Cars: 20% chance of injury or fatality
    - Motorcycle: 80% chance injury or fatality
- A discussion took place about motorcycle insurance.

FHWA Motorcycle Crash Causation Study – Mouyid Islam/Chanyoung Lee

- Dr. Lee introduced Dr. Mouyid Islam, a new member of the CUTR team
- Purpose of the Motorcycle Crash Causation (MCCS) Study was to provide data that support the research and safety communities and other stakeholders to better understand the potential causes of motorcycle crashes, to develop countermeasures to reduce the occurrence and severity of motorcycle crashes.
    - No comprehensive study since Hurt Study in the U.S.
- FHWA provided the studies oversight and Oklahoma State University conducted the study
- MCCS Budgets and Partners
  - $3.5 Million
    - Financial Partners
    - USDOT
    - FHWA
    - NHTSA

  - Six State DOTs
  - American Motorcyclist Association (AMA)
- Sample Size
  - 351 Crash Investigations
  - 702 Control Rider Interviews
- MCCS Data Collection
  - Flow of Work Steps in MCCS
    - On-scene Crash data collection
    - OECD Methodology
    - Crash Investigation
    - Scene Diagram
    - Helmet Reconstruction
    - Medical records
    - Other Information
- MCCS Data Components
  - Crash
  - Mc Rider & passengers
  - MC Mechanics
  - Helmet Testing and more
- State Database vs MCCS
  - Analysis/ Results
    - Crash
    - Person
    - Vehicle
- A discussion took place about the ride time prior to the crash and the spike on crashes at 91-105 minutes of riding.

MSSP Emphasis Area Working Groups Round Table Discussions:

- Groups got together to decide their emphasis area leaders and MSSP Emphasis Area Updates:
  - Program Management & Evaluation
  - Personal Protective Equipment
  - Operator Licensing
  - Rider Education & Training
  - Rider Impairment & Speeding
  - Legislation & Regulations
  - Roadway Engineering
  - Rider Conspicuity & Motorist Awareness
  - Communications

3.0 Presentation Notes – August 16th

Florida Strategic Highway Safety Plan – Laura Hollingsworth

- Ms. Hollingsworth gave a brief update on the Strategic Highway Safety Plan
    - Performance targets were submitted to NHTSA on July 1, 2017
    - FDOT set Zero as its performance target
        - MPOs need to set their performance measures within 180 days
        - MPOs can set their own targets or adopt FDOT's targets
- Dr. Byers made a comment about how Florida does not allow the hospital test blood alcohol levels.
- Joel Provenzano made a comment that vision zero could be looked at as a method more of than a goal.

New Driver's license – Ray Graves

- New Florida drivers licenses will arrive December 2017
    - Will feature several new elements
        - Ex. Motorcycle endorsement, Lifetime fishing license, etc.
            - Motorcycle endorsement will not show 2 wheels vs. 3-wheel
    - The word Veteran and organ donor will be spelled out under the name
    - 46 security features
- All the pervious renewing processes will remain the same
    - People will not be required to retest unless there is a medical issue

Website – Christen Miller

- www.ridesmartflorida.com has been redesigned and restructured
    - A cleaner and more modern website layout
        - Simplification
    - New home page navigation bar
    - New pages
        - Training
        - Outreach
        - Calendar
    - New YouTube channel: https://www.youtube.com/channel/UC20537Pu0b9AuwGv70tY5lg

Promotional Materials – Megan Cott and Kellie Russell

- Gas pump topper advertising
- Tour Florida passport
    - Receive stamps from businesses partners
        - Patch after the passport is filled out

- Partnering with MSF to host events
    - Kits can be purchased and then presented
- Coloring book
    - Add a safety contract for their parents to sign on the back
- A discussion took place about approaching businesses to host events.
- A suggestion was made to add a game to the coloring book that encourages children to look for motorcycle.
- A suggestion was made to create an app for the passport.

Roundtable Group Discussion Reporting:

- Starting to work on 2018 goals

Program Management & Evaluation – Edie Peters

- CUTR presented at four CTST meetings. Presentation was conducted in CTST coalition meeting annually. The DUI coalition meeting will be attended annually. Presented at the Traffic Record Coordinating Committee.

Data and Analysis – Mouyid Islam

- No change in the goals for 2018
- Joey Gordon is the new leader for item 3A

Rider Education & Training – Ray Graves and Jeff Smith

- Leaders has changed to Ray and Jeff
- 1B: Conduct a study using crash data to routinely measure and evaluate new riders trained through the FRTP.
    - Within a 10 year time frame
- Evaluate the research methods:
    - CUTR will match the data bases
- 2A: Evaluate the current Rider Coach Certification process to determine its effectiveness, and explore ways to train new rider coaches.
    - Rider trainers are facing a shortage of rider courses
    - Make a better rider course coach program
- Strategy 3: Determine the number of unendorsed riders and develop strategies and incentives to encourage riders to obtain proper endorsement.
    - Printed education material
- 3C: Support legislative efforts to allow an eight-hour Returning Rider course (RRBRC).
    - Proposed a shorter hour requirement for returning riders
        - Research an 8 hour course to see if a shorter time frame is capable of sufficiently educating returning riders
- 3D: Develop a method to evaluate the need for the Florida Motorcycle Handbook.
    - The Florida Motorcycle Handbook will be replaced with a more informational document

- 4A: Explore possible tuition incentives for advanced rider training.
    - This is a pilot program that will be developed in 2018

Rider Impairment & Speeding – Shaun Vanbeber & Patricia Byers

- 2C: Encourage agencies to create databases to document motorcycle enforcement and crash data.
    - Has been difficult but are working with CUTR to get assistance to collect the data.
- 3A: FDOT to provide funding for the development of a basic training video pertaining to vulnerable roadway users on crash procedures and investigation.
    - Broward has agreed to do it free of charge.
        - Need to develop a script
        - New driver's license will be discussed in the video
            - Educate law enforcement on where to find the new Motorcycle endorsements on the new driver's license
        - Put reference guides in the training video
- 3C: Create and promote on-line training for law enforcement first responder education for motorcycle crashes.
    - Completed first responder training
        - Based on findings of autopsy data and opportunities
        - Performance measure: complete and beta test
- 4B: Remove
- 4C: Coordinate with DUI Coalition to collaborate on DUI initiatives.
    - Incorporate the video
        - Goal is to complete it for the 1 quarter
- 4D: Study motorcyclist alcohol, drug, and medication use patterns.
    - Expand ME data review to 4 years to look for drugs and alcohol use in fatal crashes and evaluate related behavioral influences.
        - Performance Measure: complete year 3 and 4
- 5A: Create and maintain database of EMS agencies and medical directors.
    - Prepare annual report of data base EMS agencies with number of agencies found within map.
        - Performance measure: report
- 5B: Survey agencies to evaluate policies/goals specific to motorcycles.
    - Prepare the report on EMS agency survey, evaluate protocol development
        - Performance measure: report
- 5C: Provide best practices on motorcycle-specific crash response to all agencies through training.
    - Continue EMS training focusing on hotspots with the top 3 crash rates.
        - At least 25 trained quarterly in hotspot counties.
- 5D: Develop standards to evaluate EMS program effectiveness.
    - Report EMS training funds, including funds related to paramedics riders.
        - Performance measure: analysis 25 paramedic rider data quarterly

- 5E: Research and develop after crash motorcycle helmet removal policies.
    - Developing new wording for the reflective tape
- 5F: Incorporate helmet removal best practice video with prehospital and first response training.
    - Performance measure: Number trainings with video used. Add question on course evaluation
- 5G: Continue inpatient secondary prevention program of teachable moment
    - Performance measure: add 10 patients studied quarterly. 5 quarterly patient follow ups
- 5H: Evaluate patient disposition outcomes of motorcycle and scooter crashes
    - Performance measure: 25 patient outcomes studied quarterly

Roadway Engineering – Joel Provenzano

- 1A: Encourage use of advance warning signs and pavement markings to warn motorcyclists of dangerous conditions or countermeasures to reduce left-turn conflicts (such as median access control, signal phasing, and roundabouts).
    - A consultant went out and studied the interchanges and they were updated in the Tampa Bay Area
    - Development plans are being heavily reviewed before moving forward in order to ensure no new risks will be introduced
    - Trying to get businesses/ private developers to do their own studies
    - Implementing new signal phasing (left-turns not allowed during certain times)
        - Assisting the aging road user by adding a yellow flashing left turn arrow
- 2A: Conduct periodic review of FHWA Motorcycle Advisory Council and other state programs (state and non-state roads), literatures, and best practices.
    - Joel Provenzano and Chanyoung Lee are now both apart of the Motorcycle Advisory Council
- 2B: Develop an online “clearinghouse of ideas” for engineers to share information specific to motorcycle safety-related issues and topics.
    - Was on hold and will be restarting
    - Will be focusing more on roadside safety related objects
    - Will attend the Design Expo
- 2C: Develop best practices guides for distribution to engineers that will instill excitement regarding motorcycle safety.
    - More concerned with the workers onsite
    - A lot of push back for motorcycle safety
    - *FHP for reporting hazards on the road
- 2D: Identify District champions to distribute and promote engineering best practices and procedures designed for motorcycle safety.
    - Following up with the other districts
- 3B: Incorporate motorcycle safety considerations into roadway safety inspections or audits.
    - New leaders: Joel Provenzano and Laura Hollingsworth
    - Will provide recommendations at a local level

- 4A: Offer continuing education for engineers to periodically include motorcycle safety design criteria updates.
    - Ongoing: will be putting together materials
- 4B: Develop process to make T² training available online.
    - Needs to be revamp
- 4C: Include a motorcycle component in Maintenance of Traffic (MOT) Training for contractors, designers, and engineers including MOT training courses for engineer certification.
    - Now Combined with 3B

- **Communications**
    - A1: New Goal: Attend 12 motorcyclist events
        - Target Sports bikers
    - A2: New Goal: Identify 5 outreach channels and partnerships
        - Looking into partnerships to help distribute the materials that have already been created
    - A3: develop a follow-up survey including surveying riders that come to Ride Smart Florida's tables at events

Future Coalition Meeting Dates and Closing Statements – Ms. Edie Peters

- Biketober Fest, Oct 19-22, 2017
- Nov. 15-16, 2017
- Feb. 6-7 or 7-8, 2018

**All presentations can be found at http://www.cutr.usf.edu/programs/its/motorcyclecoalition.shtml*