

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
**HIGHWAY SAFETY CONCEPT PAPER**

500-065-17  
SAFETY  
12/16

**Applicant Agency:** City of Delray Beach Police Department

**Implementing Agency:** City of Delray Beach Police Department

**Concept Paper Title:** Delray Beach-Aging Road Users Program

**Amount Requested:** \$50,000.00

**Priority Area for Concept Paper:** (Select Only One)

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Aging Road Users                    | <input type="checkbox"/> Planning and Administration (FDOT Only)       |
| <input type="checkbox"/> Community Traffic Safety Outreach              | <input type="checkbox"/> Police Traffic Services                       |
| <input type="checkbox"/> Distracted Driving                             | <input type="checkbox"/> Public Traffic Safety Professionals Training  |
| <input type="checkbox"/> Impaired Driving                               | <input type="checkbox"/> Speed/Aggressive Driving                      |
| <input type="checkbox"/> Motorcycle Safety                              | <input type="checkbox"/> Teen Driver Safety                            |
| <input type="checkbox"/> Occupant Protection and Child Passenger Safety | <input type="checkbox"/> Traffic Records                               |
| <input type="checkbox"/> Paid Media (FDOT Only)                         | <input type="checkbox"/> Traffic Records Coordinating Committee (TRCC) |
| <input type="checkbox"/> Pedestrian and Bicycle Safety                  | <input type="checkbox"/> Work Zone Safety                              |

**Type of Project:** (Select Only One)

☒ Local      ☐ Statewide

**Type of Request:** (Select Only One)

☒ Initial      ☐ Continuation – Year \_\_\_\_\_

Previous Year's Project Number (if Continuation):

**Ranking:** (if Local Project)

☒ City - 13 of 99      ☒ County - 5 of 25

OR ☐ Identified Need (Data outside of Fatalities and Injuries)

**Head of Agency:**

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Title: Chief of Police

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Delray Beach, FL

33444

Phone: (561) 243-7888 Extension: \_\_\_\_\_

E-Mail: GOLDMANJ@mydelraybeach.com

**Project Contact:**

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33444

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E-Mail: GOLDMANJ@mydelraybeach.com

**FDOT USE ONLY:**

Concept Paper Number: \_\_\_\_\_

**Statement of the Problem:** (Provide details about the traffic safety problem that you want to address.)

Delray Beach is located in Palm Beach County, FL. As of 2015, the population of Delray Beach consists of 63,939 residents (U.S. Census Bureau Facts). According to the Census Bureau 23.6 % of the residents in Delray Beach are 65 years of age or older. By 2030, an estimated 20% of the U.S. population (60.4 million) will consist of licensed drivers who will be 65 years of age or older.

The problem/impact we face with elderly drivers according to FDOT (Florida Department of Transportation) is that elderly drivers are faced with declining physical and cognitive conditions and also visual impairments. Loss of bone mass and physical strength can increase chances of serious bodily injuries and even death when elderly drivers are involved in a crash. Elderly drivers also have a decreased range of motion to their joints which hinders their mobility.

Cognitive disorders can weaken your sensory perception, attention, memory, thought, visual processing, reading, and problem solving. Driving is a very complex activity that requires you to use all of these skills. The changes of aging do not affect all drivers at the same age or in the same way. Ability, not age is a factor when someone should start to transition from driving. Improvements that benefit older adults, benefit road users of all ages.

In 2016, there were 3,803 crashes recorded in the City of Delray Beach. Of those 3,803 crashes, 23 of those drivers were cited to be re-examined. According to the FDOT Highway Safety Matrix in 2016, Delray Beach ranked 13<sup>th</sup> out of 99 cities in the county for cities with a population of 15,000-74,999 in regards to drivers over the age of 65. Motor vehicle crashes are the leading cause of deaths in the U.S. In 2015, more than 35,000 people died from motor vehicle crashes compared to 32,000 in 2014 (Insurance Institute for Highway Safety).

**Supporting Data:** (Include at least three years of crash, injury, fatality, and citation data, to show the extent of the problem. If outside the top 25% for your city or county, provide further details to support your identified need.)

The following data is provided by the Delray Beach Police Department database (RMS).

Drivers cited for re-examination:	2014: 29
	2015: 44
	2016: 23
Injury Crashes	2014: 925
	2015: 654
	2016: 668
Fatalities	2014: 4
	2015: 6
	2016: 12

Based on detailed information from FDOT, educating both elderly drivers and their families about the risk of driving while certain medical and physical conditions exist could lower the amount of injuries and fatalities in elderly involved crashes. NHTSA (National Highway Traffic Safety Administration) developed an Older Driver Safety program. The program addresses driver's licenses and medical reviews of at-risk elderly drivers. The program suggest that older drivers are the most complex because there are so many issues involved. The NHTSA guide states, sooner or later, in the interest of safety, the majority of older drivers must restrict or eliminate their driving.

**Proposed Solution:** (Provide the specific countermeasure(s), chapter, and section you plan on implementing from the NHTSA Countermeasures That Work guide, found at: <http://www.fdot.gov/safety/3-Grants/CountermeasuresThatWork8th.pdf>. Explain how the countermeasure(s) that you plan to implement will address the problem and how the funding that you have requested will support those countermeasure(s). If no NHTSA countermeasure(s) exist, explain the basis of your selected strategy and how it will be effective.)

The Delray Beach Police Department's Traffic Unit will conduct educational presentations in the elderly communities of Delray Beach. Traffic Unit officers will attempt to educate elderly drivers about the hazards of driving their vehicles when they have declining medical and physical conditions. The Traffic Unit will also provide education on how negative cognitive conditions and the consumption of various medications while driving can put their lives at risk.

The Delray Beach Police Department will post traffic campaigns and enforcement information in regards to Aging Drivers on social media including: Delray Beach Police Department Facebook, Twitter and Instagram accounts. The departments PIO also provides the public with first hand knowledge about traffic enforcement that is being utilized in the city.

When it is determined an at-risk driver needs additional resources, the Traffic Unit will recommend information from the [flhsmv.com](http://flhsmv.com) (Florida Highway Safety Motor Vehicles) website. The website provides information about the Florida Senior Safety Resource Center. The center (Louis and Anne Green Memory and Wellness Center) is located in Boca Raton, FL which borders the city of Delray Beach. The center offers in-office assessments and on-road evaluations.

**Sustainability:** (If local project, provide details about how you plan to continue the safety efforts after the initial funding period has ended. If you cannot continue the safety efforts, provide details about what will prevent you from continuing. Does not apply to statewide projects.)

The Delray Beach Police Department Traffic Unit will continue safety efforts towards educating the elderly public about the risk of driving with declining medical and physical conditions. The Traffic Unit will continue to utilize message boards, social media and press releases to inform the public of enforcement areas in the city. Educational awareness presentations will continue to take place in elderly communities.

The Delray Beach Police Department maintains a full time traffic unit which has established a strong relationship with the elderly citizens of Delray Beach. It is the sole responsibility of the traffic unit to ensure that all traffic laws and city ordinances are followed by every commuter. The traffic unit will continue to make traffic safety their top priority.

**Project Objectives:** (List the short term objectives that you have for the project. All objectives must be quantifiable, such as, "To reduce the number of crashes by 5% compared to the 3 year average of the most recent data by conducting 12 sobriety checkpoints during the sub-grant period; Providing 12 public education outreach events in the community during the sub-grant period.")

1. The Delray Beach Traffic Unit seeks to achieve their goals and objectives by educating the elderly community and reduce the amount of aging road users involved crashes that result in injuries and fatalities.
2. Increase public awareness by utilizing message boards, billboards, fliers, social media and press releases.
3. While participating in community events, enforcement contacts will be made to promote elderly driving awareness protection safety.

**Evaluation:** (Explain how you will determine each project objective has been met by using one or more of the following methods: Formative, Process/Administrative, Impact, and Outcome. Details about the four methods of evaluation can be found at <http://www.fdot.gov/safety/3-Grants/Grants-Home.shtm>)

The Delray Beach Police Department Traffic Unit will evaluate the success of the Aging Driver Program by utilizing an outcome evaluation approach outlined by FDOT. The Traffic Unit will focus on drivers who have the onset of cognitive disorders.

The Traffic Unit will educate elderly drivers how diminished mental and physical conditions can influence the amount of injuries and fatalities in the city. Traffic Officers have access to and will be able to regularly utilize the Delray Beach database system (RMS), to evaluate program success.

Enforcement will be recorded and measured by the number of educational contacts, verbal warning, written warnings, and citations that are issued to elderly drivers. The Traffic Unit will also record the number of aging road user presentations completed and community events attended.

**Additional Questions for Traffic Records Coordinating Committee (TRCC) Priority Area:** (Only complete if requesting funding from the Traffic Records Coordinating Committee.)

**Do you anticipate needing funding for multiple years to complete this project?**

- ☐ Yes  
☐ No

If yes, Please provide additional details below:

**Project will impact the following Traffic Records Information System(s):** (Select All That Apply)

- |  |   |                                  |
|--|---|----------------------------------|
| <input type="checkbox"/> Citation/Adjudication | <input type="checkbox"/> Driver                         | <input type="checkbox"/> Roadway |
| <input type="checkbox"/> Crash                 | <input type="checkbox"/> EMS/Injury Surveillance System | <input type="checkbox"/> Vehicle |

**Project will impact the following performance area(s):** (Select All That Apply)

- |  |                                       |                                     |
|--|---------------------------------------|-------------------------------------|
| <input type="checkbox"/> Accessibility | <input type="checkbox"/> Completeness | <input type="checkbox"/> Timeliness |
| <input type="checkbox"/> Accuracy      | <input type="checkbox"/> Integration  | <input type="checkbox"/> Uniformity |

**Project will advance the following goal(s) for Florida's Traffic Safety Information Systems:** (Select All That Apply)

- |  |                                       |                                      |
|--|---------------------------------------|--------------------------------------|
| <input type="checkbox"/> Accessibility | <input type="checkbox"/> Data Quality | <input type="checkbox"/> Utilization |
| <input type="checkbox"/> Coordination  | <input type="checkbox"/> Integration  |                                      |

**Goal Support:** (Explain how the project will help advance the goal(s) selected above.)



# CONCEPT PAPER BUDGET

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List each item for which you are requesting funding and the estimated cost of the item(s). Any matching funds that can be provided from other sources should be listed in the Match section. Equipment that has a per unit cost of \$1,000 or more should be listed in the Operating Capital Outlay section.

BUDGET CATEGORY	TOTAL	FEDERAL FUNDING	MATCH	
			STATE	LOCAL
A. Personnel Services				
Overtime salary and benefits for enforcement operations.	\$50,000	\$50,000	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
Subtotal	\$50,000	\$50,000	\$ 0	\$ 0
B. Contractual Services				
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
Subtotal	\$ 0	\$ 0	\$ 0	\$ 0
C. Expenses				
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
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	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
Subtotal	\$ 0	\$ 0	\$ 0	\$ 0

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BUDGET CATEGORY	TOTAL	FEDERAL FUNDING	MATCH	
			STATE	LOCAL
D. Operating Capital Outlay	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
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	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
	\$ 0	\$0	\$0	\$0
Subtotal	\$ 0	\$ 0	\$ 0	\$ 0
E. Indirect Cost	\$ 0	\$0	\$0	\$0
Subtotal	\$ 0	\$ 0	\$ 0	\$ 0
<b>Total Cost of Project</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$ 0</b>	<b>\$ 0</b>

FDOT USE ONLY:	
Postmark Date: _____	Assigned Priority Area: _____
Date Received: _____	Planner Assigned: _____
Entered Into Database: _____	Date Assigned: _____
	Planner Received: _____