Hillsborough County Florida

ENGINEERING & OPERATIONS DEPARTMENT
PO Box 1110, Tampa, FL 33601-1110
813-276-2530| Fax: (813) 272-5811

SAFETY ANALYSIS
FIELD ASSESSMENT FORM

General Information

County Street Name and/or Road Number: _____
Project Description (limits): _____
County Capital Improvement Program Number: _____
Date:

1. Traffic Operations

- ☐ Traffic control devices
- ☐ Traffic signal operations (support, type of detection, backplates, indications, cycle length, phasing, displays, intervals, phase sequence, clearance times, detection, pedestrian signals, timing, and so forth) NOTE: These factors need to be documented for rear-end, left-turn, right angle, right-turn, pedestrian and bicycle crashes
- ☐ Queue on the intersection approaches, adequate capacity?
- ☐ Access management: mainline access to adjacent land negatively influence traffic operations

2. Geometric Conditions

- ☐ Visual obstructions (trees/scrubs blocking signs, pedestrians, parked vehicles, advertising signs, and so forth)
- ☐ Decision Sight Distance
- ☐ Road side private property (bright signage, glare, detractions, and other items impacting drivers)
- ☐ Clear zones (roadside objects, pedestrian standing areas, bus stops, and so forth)
- ☐ Recent roadway geometry changes
- ☐ Site design compares to Hillsborough County design criteria and other related guidelines
- ☐ Transition area (area where drivers are alerted that the roadway conditions are changing)

3. Physical Conditions & Weather

- ☐ Road conditions including pavement and friction
- ☐ Roadway, separator, and shoulder tire marks
- ☐ Sequence and spacing of signs (measured relative to posted speed limit)

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- ☐ Too many signs for drivers to evaluate and react
- ☐ Signs and pavement markings deliver right messaging for conditions
- ☐ Placement of stop bars
- ☐ Sign legibility at night and poor weather conditions
- ☐ Environment (sun, shadowing impacting perception and visibility especially during dawn and dusk for east/west roadways)
- ☐ Roadside erosion resulting in drop-off conditions
- ☐ Pavement markings obscured by water or lack of contrast
- ☐ Daylight evaluation
- ☐ Darkness evaluation especially lighting conditions at intersections and crosswalks
- ☐ Headlights from oncoming traffic
- ☐ Glare and reflection from windows, metal, and pavement making signs and markings hard to see
- ☐ Pavement marking retroreflectivity at night

4. Traveler Behavior

- ☐ Driver behavior:
  - Aggressive driving
  - Speeding
  - Ignoring traffic control
  - Failing to yield to pedestrians
  - Making maneuvers through insufficient gaps in traffic
  - Belted or unbelted
  - Elderly drivers
- ☐ Bicyclist behavior:
  - Riding on the sidewalk instead of the bike lane
  - Riding excessively close to the curb or travel lane within the bicycle lane
  - Ignoring traffic control
  - Not wearing helmets
- ☐ Pedestrian behavior:
  - Ignoring traffic control to cross intersections or roadways
  - Insufficient pedestrian crossing spaces and signal time, Roadway design that encourages pedestrians to improperly use facilities

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5. Transit, Bicycle Pedestrian and Other Vulnerable Road User Activity

- ☐ Location of pedestrian generators and attractors
- ☐ Placement of crosswalk markings
- ☐ Waiting time for pedestrians
- ☐ Potential to introduce other travel modes (e.g. new bus stops, sidewalks, bike lanes, or multi-use trail)
- ☐ Placement of bus stop
- ☐ Continuous bicycle or pedestrian network
- ☐ The way of vulnerable road users interacting with the road facilities
- ☐ Visual clues exist to alert motorists to pedestrians and bicycles (e.g. striped bike lanes, curb extensions at intersection for pedestrians)
- ☐ Other multimodal concerns:
    - Roadway shoulders and edge treatments
    - Exclusive or shared transit lanes
    - Adjacent parking

6. Heavy Vehicle Activity

- ☐ Percentage of heavy vehicle
- ☐ Heavy vehicle concerns:
    - Sight Distance
    - Signal Operations
    - Emergency vehicle
    - Freight truck maneuvers in the site vicinity
    - Presence of road maintenance or farm vehicles