



ROAD SAFETY PLAN

I. TMC MANDATE

- **Deployment of Traffic Aides**

-Under Executive Order No. 21, Series of 1995, Traffic Personnel are mandated to control vehicular flow in all city and national roads within the City of Davao.

- Shall submit programs and plans thru the Traffic Management Control Board.

II. OBJECTIVES AND PURPOSE

- Conducts traffic direction and control for the safe and orderly movements of vehicle and pedestrian traffic.
- Coordinates all traffic management activities of the City to other agencies on traffic related function.
- Instills awareness among the public of their obedience to traffic rules and regulations and the importance of their road safety.
- Conducts research and studies to enhance more efficient and effective traffic management.

III. TRAFFIC SIGNS

- **Regulatory Signs:**

-Signs that inform road users of traffic laws and regulations which, if disregarded, will constitute an offense.

-Samples are the ff:



- **Warning Signs:**

-Warn road users of condition on or adjacent to the road that may be unexpected or hazardous

-These signs warn of hazards ahead, such as roundabouts, crossroads, dangerous bends or anything else that would call on to drive more carefully. Should always take special care when see a warning sign.

-All warning signs have the same format. They are diamond or rectangular shaped, have a yellow background with a black border, and use a black symbol to show the hazard ahead.

-They are also upright, meaning they are at the side of the road or mounted on a wall (overhead) instead of painted onto the road surface.

-Samples are the ff:



- **School Zone, Children Crossing and other signs related to movement of Pedestrian:**

-Pedestrian, Children Crossing and School Zone signs have been replaced with different shape and color. Reflective fluorescent yellow green background is use to provide more conspicuity and visibility thus added protection to pedestrians, school children, handicapped and bicycle users.

-It shall be large enough to be read by pedestrians and drivers as well.

-Samples are the ff:



- **Guide or Informative Signs:**

-As their name suggests, these signs give information about directions and distances from your current location.

-It shall inform and advise road users of directions, distances, routes, location of services and points of services.

-There are three formats for information signs: blue signs with white letters on motorways, green signs with white letters, which are on national roads, and white signs with black letters, which are on local and regional roads.

-Size of the sign should be adapted to the road environment where it will be installed.

-Samples are the ff:

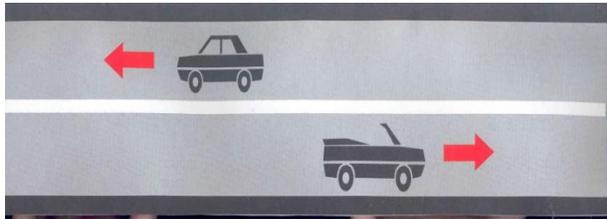


IV. ROAD MARKINGS

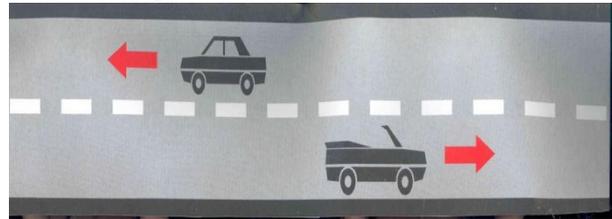
- **Road Markings:**

-Road markings are a traffic sign in the form and design of a marking on the surface of the road. Road users must obey these road markings.

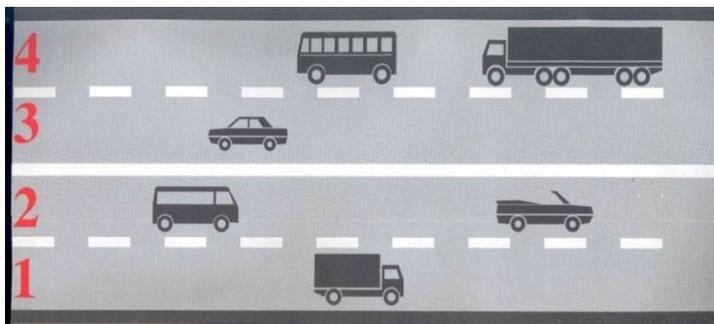
-The following are examples of common road markings:



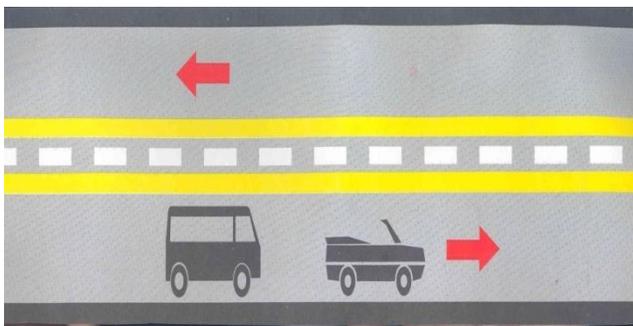
**“Single Continuous White Line”
(Two Lane Road)**



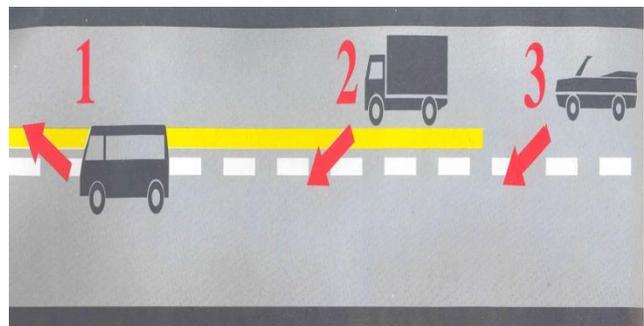
**“Single Broken White Line”
(OVERTAKING is Allowed)**



**“Single Continuous White Line
(Four Lane Road)”**



**“Double Yellow Line”
(NO OVERTAKING)**



**“Single Yellow Line”
(1=Allowed, 2=NOT Allowed, 3=Allowed)**

- **Pedestrian Lane:**

-The “right-of-way” of the pedestrians.

-Should be located on all major intersections.

-Pedestrian lane fronting schools along major thoroughfares.

-Pedestrian cross along major public offices/buildings and hospitals.

-Pedestrian lane fronting big malls as maybe necessary.

-It should be 4 meters in width, horizontal lines shall be 30 centimeters in height, and vertical lines shall be 30 centimeters in width.



- **Edge Lane**

-The prominent white line which determines the outer portion of every lane.

- **Cat's Eye**

-A reflectorized designed shall be placed on the center of the road which emphasizes the two directions of vehicular traffic.

-It will make the driver recognize the line dividing two opposite directions but it may be encroached.

- **Rumble Stripe**

-Zebra sign across the street. It shall forewarn the driver, making him cautious and attentive along the streets.

- **Markings for Differently-Abled Persons**

-There are markings/lanes that were made to cater the special needs of differently-abled persons at strategic place (loading/unloading, public/private buildings along the roadway).



V. TRAFFIC FACILITIES

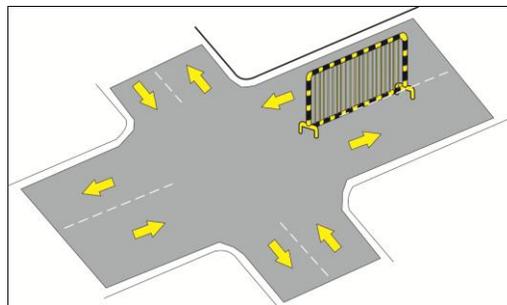
- **Pedestrian Overpass**

-An elevated structure made solely for pedestrians, in order for them to cross busy streets safely.

-It is recommended on areas where big malls are constructed, and where it is thickly populated.

-It caters people to use overpass and preventing them to cross on the street, as part of the road safety measure.

- **Railings**



-Center Railings

-Prevent anyone to cross a street, making them safe and prohibiting them to cross anywhere, not designated.

-Corner Railings

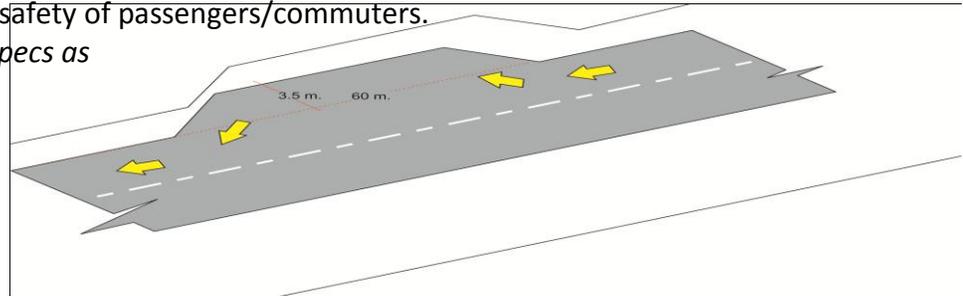
- Prevent anyone to cross within the corners of an intersection, providing them safety along the streets.
- The maximum size is 10 meters long and 4 meters in height. At present, only Mac Arthur Highway (Crossing Matina) railings.

- **Installation of Light Streets**

- Providing lights along the streets during night time shall decrease the possibility of traffic vehicular accidents

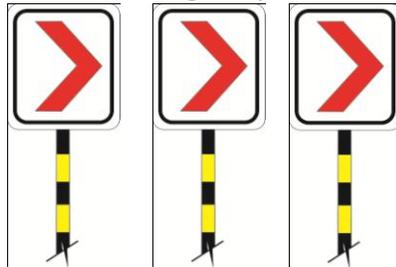
- **Construction of Loading/Unloading Bays**

- It is an appropriate measure to construct standard loading/unloading bays along highways for the safety of passengers/commuters.
(Recommended specs as illustrated)



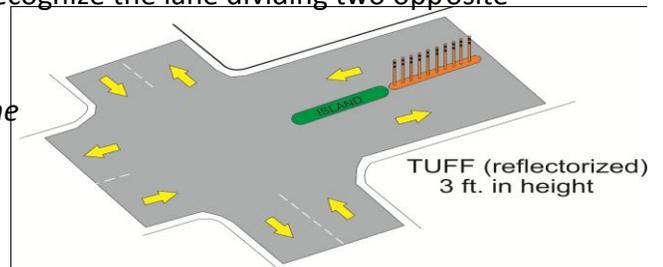
- **Chevron:**

- It shall be placed along the shoulders of the highways, to warn the driver of the condition of the road/highway.



- **Tuff**

- A Traffic Separator Curb.
- It is like a pole-type in which, the materials can be used shall be plastic and a spring. It shall give a physical distinction for the driver to recognize the lane dividing two opposite directions.
- It is recommended along accident prone areas.
- (NOTE) One of the recommended facility, as of the the moment not yet implemented in the city.

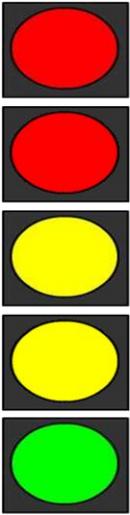


VI. TRAFFIC LIGHT SIGNALIZATION

- **Traffic Lights**

- People must know what is the basic, e.g. Red Light for STOP, Green Light for GO, Yellow for READY/CAUTION. Also should know the three kinds of operations: Permissive, Protected, and Protective-Permissive.

-For a road safety measure, pedestrians and drivers are advised to familiarize the ff:



Solid Red: STOP

Flashing Red: STOP then GO when safe

Solid Yellow: CAUTION

Flashing Yellow: GO with Caution

Solid Green: GO

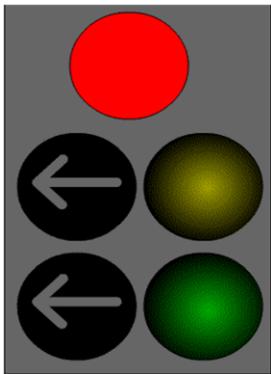


•No Left Turn on Red Arrow

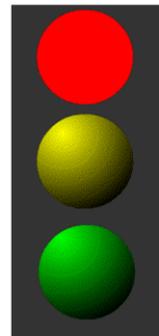
•Left Turn on Green Arrow Only

•3 Arrow Section Head Signal

PROTECTED PERMISSIVE



- Left Turn on Green Arrow
- Left Turn Yield on Green
- No Left on Red
- 5 Section Head Signal



Red
Stop or
Hungong

- Left Turn Yield on Green
- Pwede mag Left Turn kung Safe na o walay laing kasugat.
- Three Section Head Signal

Permissive

- **Pedestrian Push Button (PPB)**

-It is a recent technology in Davao City, in which, it can make the “Walk Sign” appears, signaling pedestrians to cross the streets.

-A button made solely for pedestrians. It is a device that has a mechanism to trigger the traffic light system giving appropriate time for the people to cross the street safely and efficiently.



- **Traffic Education on Signalization**

-At present this office, in coordination with the City Planning and Development Office, had conducted seminars on the drivers regarding the use and function of Traffic

Light Signalization, with the help of Land Transportation Office and Land Transportation Franchising and Regulatory Board. The accumulated number of oriented drivers is 18,456 since November 2010.

-Has continuing seminars also for elementary and high school students both private and public; – approximately 19,219 (Traffic-Oriented Schools/Students) and other civic organizations such as Rotary Club (both South & North), and Insurance Managers. Likewise, a barangay base Traffic Auxiliary Training for Barangay Tanods continue since 2010, emphasizing the proper guidelines on road safety.

VII. PROHIBITIONS

- **Speed Limit**

-Presently in placed in strategic areas along national highways.



PLACES	Passenger Auto- mobiles & MV per Hour	Motor Trucks & Buses per Hour
1. An open country roads with no “blind corners”, not closely bordered by habitations	80 km per hour	50 km per hour
2. On “through streets” or boulevards, clear of traffic, with nor “blind corners” when so designated.	40 km per hour	30 km per hour
3. On city or municipal streets, with light traffic, when not designated through streets	30 km per hour	30 km per hour
4. Through crowded streets, approaching at “blind corners”, passing school zones, passing other vehicles which are stationary, or for similar dangerous circumstances.	20 km per hour	20 km per hour

- **Driving Using Cellular Phones**

-Ordinance No. 0143-05, Series of 2005; “An ordinance prohibiting the use of cellular phones, hand-held radios, personal digital assistant (PDA) and other similar electronic devices while driving.”

- **No Crash Helmet for Single MC**

-Ordinance No. 0189-06 Series of 2006, Section 2. Prohibited Acts

Non-wearing by drivers of prescribed crash helmets or other protective head gears while driving single motorcycles.

- **Prohibition on Pedicabs / Trisikads**

- Pedicabs or Tricycles are prohibited along national highways.

- **No Parking**

- Overhead Parking Signs are placed in strategic streets especially on corners.

- No driver shall park a vehicle or permit it to stand, whether attended or unattended, upon a highway in any of the following places:

- a) Within an intersection.

- b) On a crosswalk.

- c) Within six meters of the Intersection of curb lines.

- d) Within four meters of the driveway entrance to any fire station.

- e) Within four (4) meters of a fire hydrant.

- f) In front of a private driveway.

- g) On the roadway side of any vehicle stopped or parked at the curb or edge of the street or highway.

- h) Main entrances of theatres, cinematographs, stadium, banks, schools, churches, and offices and public buildings during the period of performance in theatres, cinematographs and stadium, during banking hours, during class hours in schools, during services in churches and during office hours.

- i) Main entrance of court buildings during session hours, and main entrance of hospitals, properly marked or sign-posted and main entrances of buildings where the City Council is in session.

- j) At any place where official signs have been erected or places prohibiting parking.

VIII. RECOMMENDATIONS

- Additional supply of material used for Traffic Signs that shall accommodate all needed intersections and other strategic streets including center and corner railings.

- Additional Thermoplastic paint or Reflectorized paint materials that shall address all street markings, with the use of stripping machine.

- Rehabilitation and construction of Loading/Unloading Bays to standard level.

- Clearing of sidewalks of obstruction.

- Compliance of all establishments to the designated parking space (Building Code).

- Compliance of construction of sidewalk in accordance to the National Building Code.

- Adherence of the establishment owners of the proper setback (PD 1096).

- There is a need by the local government for the TMC traffic aid to give authority to enforce Traffic Ordinances upon violators thru the citation ticket.

IX. OBSERVATION:

- Lack of overhead Traffic signs along the streets.
- Pedestrians are not strictly observing the proper use of “Pedestrians Push Button” at traffic light facility on intersection.
- Some pedestrian are not using/disregarding pedestrian overpass.
- Erring drivers doing illegal parkings that may cause danger on the street.
- Many buildings/establishments are encroaching parking space on sidewalks.

For information.

Traffic Management Center