



**Institute of Transportation,
Ministry of Transportation
and Communications,
R.O.C.**

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Please release immediately

Contact Persons: Yeh, Tsu-Hung Director 、 Kung, Chei-Chang Researcher

Telephone: 02-23496856 、 0910365779 、 02-23496858

e-mail : yth@iot.gov.tw 、 josephkung@iot.gov.tw

Website : <https://www.iot.gov.tw>

The Institute of Transportation Promotes Accident Collision Type-oriented Design Examples to Improve Intersection Safety

There were approximately 360,000 road traffic accidents (A1, A2) in 2020, and the proportion of the accidents at intersections accounted for about 58.7%. In order to improve the safety of intersections, the Institute of Transportation of the Ministry of Transportation and Communications cooperated with the Department of Transportation (Traffic Engineering Office) of 6 Municipalities to organize six consecutive sessions of "Accident Collision Type-oriented Design Examples" education and training seminars during August 4-11 this year (2021), inviting municipalities and related road competent authorities, professional consulting institutions and workers to participate, with about 50 people in each session, expecting to guide the effective intersection improvement projects through traffic engineering design examples, to create a human-oriented and safe road traffic environment.

The training course will be explaining and discussing accident diagnostics, collision composition analysis, designing example content, application methods and practice case exercises, and also collecting feedback from the trainees as a reference for follow up improvement. In subsequent years, it will continue to cooperate with the government traffic management units of other non-municipalities to organize education and training to expand the promotion of application, and expect to improve the overall domestic traffic engineering technical standards and enhance the safety of traffic environment.

Aiming at the intersections where accidents occur frequently, how to propose effective improvement plans to eliminate accidents? In response to this question, the Institute of Transportation of the Ministry of Transportation and Communications has focused on common types of intersection collisions (including right-turn side collision, left-turn side collision, left-turn crossing side collision, same direction collision, rear-end collision, cross collision, etc.) to organize and compile the traffic engineering design examples for all units to apply in the improvement works of common accidents at intersections. Take the right-turn side collision as an example, the Pilot Program of "Diverging Direction Line" has been studied and tested since 2015. In comparison of the accident data before and after the improvement in 12 test intersections, it can be found that the number of related accidents has been reduced from 127 to 54 with the improvement rate up to 58%. The Diverging Direction Line has been incorporated into the "Regulations for Road Traffic Signs, Markings, and Signals" presently and has completed legislation amendments. In order to expand the promotion and application, the Institute of Transportation has consulted and discussed with the local government to jointly organize a series of education and training events to strengthen the application capabilities for the traffic engineering workers of the local governments and engineering consulting companies, to reduce the occurrence of intersection accidents and

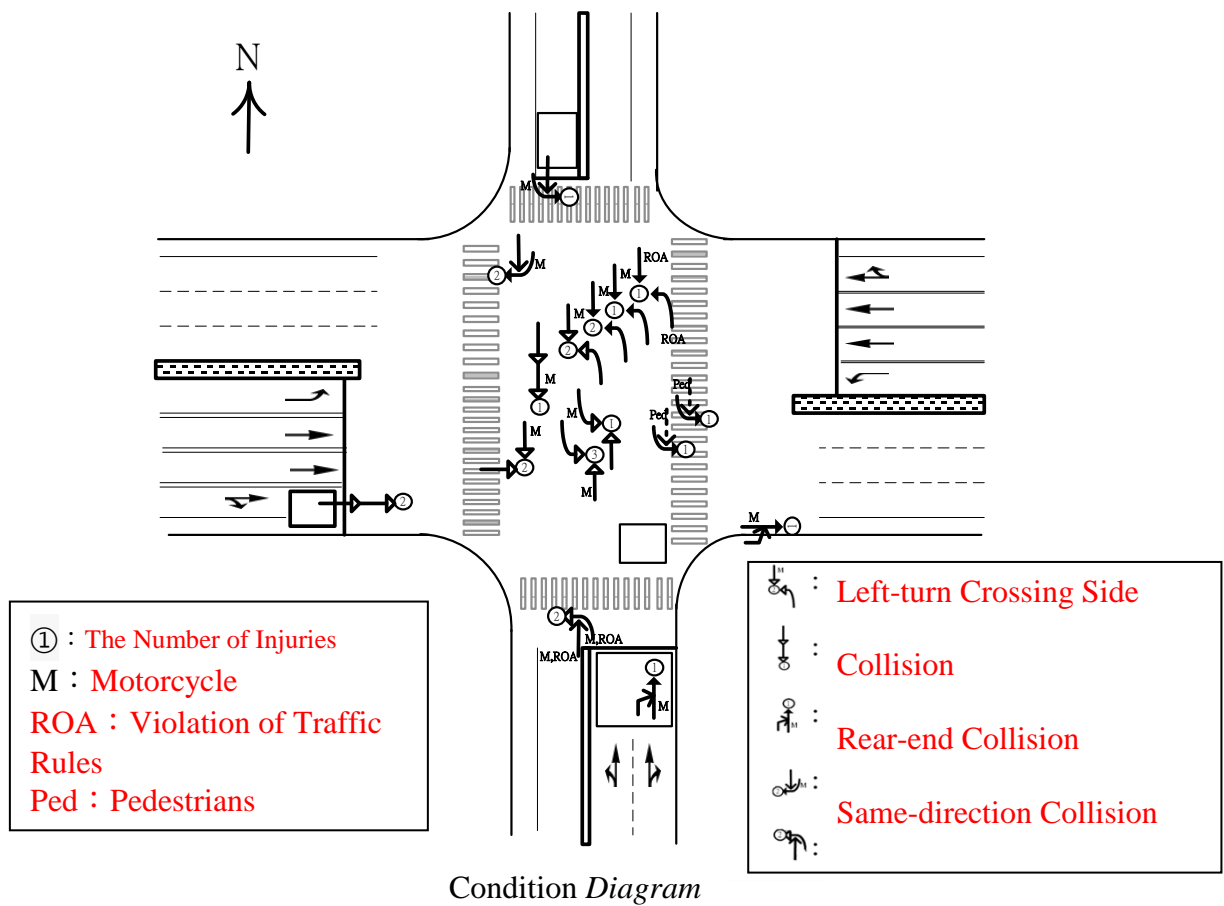
promote traffic safety.



The Pilot Program to Improve the Intersection with Diverging Direction Line (before Improvement)



The Pilot Program to Improve the Intersection with Diverging Direction Line (after Improvement)



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2 / 12 | 90% +

	時間	議程	主講人	
	09:00~09:20	報到		
	09:20~09:30	主辦單位致詞	交通運輸研究所蕭祖宏組長	
講義一	09:30~10:00	交通安全工程基本說明	臺灣大學土木系許添本教授	第一次簽到
講義二	10:00~10:30	肇事診斷學與碰撞構圖分析	交通運輸研究所孔重昌研究員	第二次簽到
	10:30~10:45	休息		
講義三	10:45~12:00	參考手冊講解	高雄科技大學運籌管理系李明聰助理教授	第三次簽到
	12:00~13:00	午餐休息		
講義四	13:00~14:30	實際案例操作與討論	高雄科技大學運籌管理系李明聰助理教授	第四次簽到
	14:30~14:40	休息		
	14:40~16:00	座談會與經驗交流	臺灣大學土木系許添本教授	第五次簽到

9:26 上午 | ybr-newf-hnx

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Event Brief View