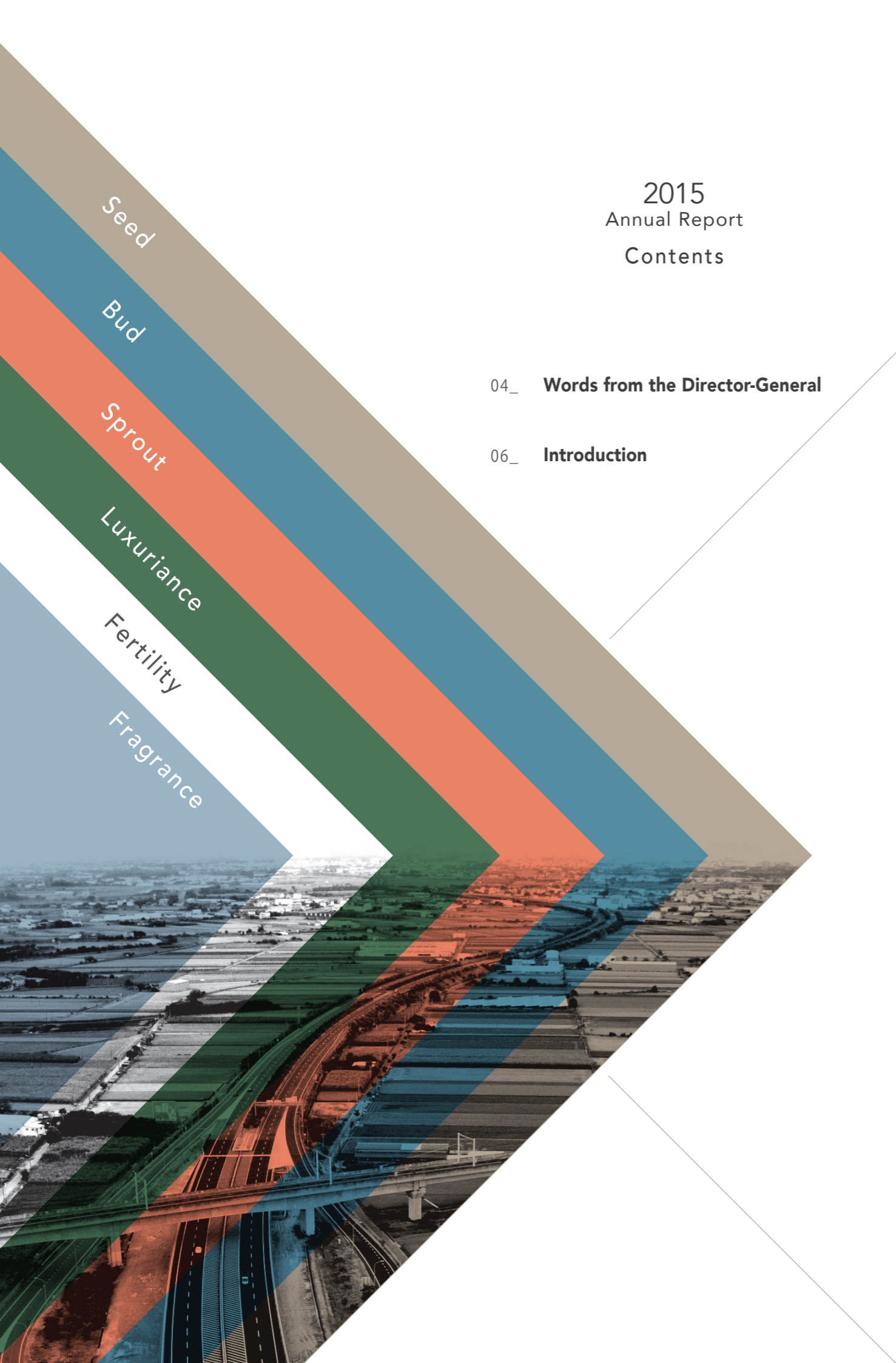




Directorate General of Highways, MOTC
2015 ANNUAL REPORT



2015
Annual Report



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Creating Prosperity and Extending Happiness

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Words from the Director-General

Highways are indispensable to human civilization and prosperity. Every meter of road, inch of bridge, and second of movement contribute to social and national development and brings happiness to citizens. Hard work and journeys begin with highways. Highways are a fulfilled promise and a key element in the realization of fulfillment.

The Directorate General of Highways has constructed a complete and convenient highway and transport network and created a safe road environment. We provide motor vehicle and driver services that contribute to a seamless highway transport system. Highways are, however, not just mediums for transportation. They are central to

vitality and happiness, and allow the passing of special moments from one generation to the next.

The Danjiang Bridge International Competition was held in 2015 and construction will soon begin on the world's largest single-tower asymmetrical cable-stayed bridge. The bridge will be a new landmark in northern Taiwan. In 2015, we also connected the West Coast Expressway (expressway 61) and East-West Expressway, making the highway network even more convenient and comprehensive. To the delight of eastern Taiwan residents, Guanyin Tunnel's northbound lanes were also completed under the direction of the Suhua Highway Improvement Project team.

Apart from new construction, we also continued improving the quality, safety, and convenience of existing roads. The reconstruction of the east-west line embankment at the 22K+700 section of Provincial Highway 78, for example, resolved sinkage issues stemming from the high-speed rail bridge near Yunlin's Tuku. We also inspected and reinforced provincial highway bridges to make them more earthquake- and weather-resistant. Work on the grade separation of Provincial Highway 9's Nanao level crossing finally got underway after years of setbacks. In the future, the area will no longer be a Suhua Highway bottleneck. We also combined environmental protection with recreation by constructing the new Cycling Route No. 1 in 2015. We will continue maintaining and protecting the beautiful landscapes that stretch along Taiwan's highways.

Several initiatives were launched in 2015 to serve motorists. To respond to and resolve motor vehicle issues in a timely and effective manner, we established a free, 24-7 service hotline. To improve traffic and road safety, we overhauled the inspector training system, raising the standards and increasing the frequency of driving school inspections. We also held driving safety seminars for first-time scooter license applicants, expanded our driving test question databank, and added new maneuvers to road tests to promote safety, awareness, and competence among drivers.

At the same time, our commitment to providing quality highway and public transport services remains unchanged. We worked with various government agencies to launch campus shuttle services and worked with bus operators to provide hop-on, hop-off bus services in rural areas. We also launched a cruise-style highway bus pilot program for the Yilan region and shuttle services for the Southern Branch of the National Palace Museum and the three new stations of the high speed rail network. Through dedicated training and subsidy programs, we also trained bus drivers for the public transport market and established new safety and registration guidelines for tour buses. Roads flourish because of people, and it is our mission to provide humanized services that meet the needs of motorists. We hope our motor vehicle services can meet the highest standards and continue benefiting all road users.

It is my pleasure to share the fruits of our labor in 2015 through this publication. Every meter of new road and every moment of peace is the result of hard work. In the following year, we hope to work with road users to achieve new heights in highway engineering and motor vehicle services.

Director-General

Jaw, Shing-Hong

Our labor bears fruit

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Introduction

Every steady, solid step brings us closer to our goals. Every nurtured seedling produces branches that stretch up to the sky. Over the past year, many breakthroughs were chieived through the commitment and dedication of our staff. These helped to create an even safer, more convenient and more reliable highway system.

Everyone has their own unique vision of happiness, which grows as we continue on life's journey. We have drawn parallels between the highway system and the growth stages of trees to take a retrospective look at the fruits of our labor in 2015.

Chapter 1, "Seed," discusses traffic engineering initiatives including a traffic signs and road markings inspection campaign that improved road safety through civic participation; the completion of Cycling Route No. 1, around Taiwan; and custom-designed signs for gas stations, restrooms and other facilities along the West Coast Expressway(expressway 61). Our Planning Division and Land Acquisition Division worked together to plant the seeds of hese projects and nurture them until they bore fruit.

Chapter 2, "Bud," discusses some completed projects overseen by our Construction and Design Division. In 2015, these included the construction and planning of Danjiang Bridge and its access roads;The Suhua Highway of Provincial Highway No.9 Mountainous Section Improvement Project; Follow Up to the South Link Highway of Provincial Highway No.9 Widening Project; post-construction work on the West Coast Expressway(expressway 61); and additions to the East-West Expressway road network. Like the germination and growth of new buds, these projects needed a large amount of nutrients, irrigation,time and effort to develop.

Chapter 3, "Sprout," discusses our maintenance and disaster prevention work. These endeavors are supported by our highway pipeline management system; provincial highway and bridge inspections; earthquake resistance reinforcement; highway disaster prevention system upgrades; road landscape design and usage. Post-Typhoon Morakot reconstruction is also completed. Even fully grown trees need continual care to thrive and serve their function. Our Maintenance Division and Highway Disaster Prevention Center play the role of gardener which make our roads to withstand the challenges of time and nature.

Chapter 4, "Luxuriance," discusses the work of our Motor Vehicle Division. In 2015, a 24-7 hotline was established to give road users instant answers to traffic-related queries. We also launched a new motor vehicle service app; hop-on, hop-off bus services in rural areas;

and a barrier-free bus subsidy program to better serve the elderly and disabled.

Through training and subsidy programs, we also trained bus drivers for the public transport market and established new safety and registration guidelines for tour buses. Other initiatives included improvements to the quality of driver education programs, the overhaul of the motorcycle license system, and the reinforcement of safety management and response mechanisms for the transport of hazardous materials. All of these contribute to safer roads.

In addition, we also consolidated cross-agency services in rural areas and launched a cruise-style highway bus service. We hope to continue implementing new motor vehicle services that, like luxuriant branches, can reach every corner of Taiwan and touch people's lives.

Chapter 5, "Fertility," discusses the achievements of our logistics and support staff. In 2015, these included improvements to and international certification of our information management system, which ensure the security of motor vehicle data; the promotion of engineering, judicial and anti-corruption exchanges, which ensures transparent administration and open information; motor vehicle service satisfaction surveys,which provide reference points for continued service improvements; and budget management, which ensures administrative efficiency. These achievements are like fertile soil that provides important nutrients for sustained growth.

The final chapter, "Fragrance," offers information on our organizational structure, administrative projects, research and development, awards, and major events of the past year. Like flowers in full bloom, they invite a closer look.

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Seed

Sowing Seeds and Hoeing Weeds

Land acquisition plays a major role in engineering projects. Road user and vehicular safety, meanwhile, depend on traffic signs and road markings planning. The Directorate General of Highways' Planning Division and Land Acquisition Division are like seeds used to plant trees, in that they determine how DGH projects turn out.

Performance through land acquisition

Individual negotiations with property owners

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In the past, the government often negotiated with property owners in groups to save time, manpower and resources. This often led to accusations of insincerity and the perception that the sessions were little more than a formality. To change this, the DGH now holds multiple sessions when necessary. The same information is provided and the same procedures are followed during every session. Afterwards, DGH personnel individually meet with property owners to address any questions or concerns they may have.

Purchase price negotiations and respect for private property

The government deeply respects the right to property and ownership. When new infrastructure projects necessitate the acquisition of private property, the DGH uses various protocols to come up with a purchase price acceptable to property owners. In this way, the government does not have to expropriate land.

Preferential prices and objective valuations

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The one thing property owners generally care about most during the acquisition process is price. "Market value" means normal transaction price in the market and not the price received from a sudden or urgent sale. When assessing market value, the DGH uses public information to set a reasonable and preferential offer price that minimizes the impact on private ownership rights. When necessary, the DGH also consults with real estate appraisers. The appraisers meet with property owners and explain how the offer price was set. Objective appraisals from an independent third party contribute to successful negotiations.

Negotiated acquisitions prevent disputes

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In 2015, over 50 percent of land acquired by the DGH was purchased from their original owner. The purchase price negotiation process and administrative services that were provided allowed property owners to feel their rights were respected and protected. With these measures in place, the DGH is able to improve land acquisition performance and minimize the number of disputes.

Reducing wait time

/

To make the process more convenient for property owners that live in other areas or have mobility issues, the DGH makes house calls to pick up documents or deliver documents for signing. Efforts are also made to accelerate the property transfer process and make sure payments are made as soon as possible.

a_ Document signing at a property owner's place of residence

b_ Individual negotiation

c_ Document delivery and signing at a property owner's home

Cycling around Taiwan

/ Traveling around Taiwan on Cycling Route No. 1

As the saying goes, there are three things everyone in Taiwan must do during their lifetime: swim Sun Moon Lake, climb Yushan, and cycle around Taiwan. The number of cyclists in Taiwan has risen in recent years, but those thinking about cycling around Taiwan have to do a great deal of route research or join bicycle tours. From now on, anyone can complete the cycle journey around Taiwan successfully with just following the signs and markings of Cycling Route No. 1.

Connecting points and creating an unique route around Taiwan

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At the end of 2014, there were a total of 4,486 kilometers of cycling paths in Taiwan but many of them were unconnected. So the Executive Yuan directed the Ministry of Transportation and Communications, Ministry of the Interior and Ministry of Education to cooperate and integrate resources, and connected the cycling paths and points as the first cycling route in Taiwan in the end of 2015. The main line is 968 kilometers long, while branch lines including Nantou and Dapeng Bay measure an additional 235 kilometers for a total network that is 1,203 kilometers long. The DGH oversaw 929 kilometers of the route.

Designated signs to facilitate identification

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The plans and designs of Cycling Route No.1 were under consideration of preferred cycling routes, road alignment, distance and maintenance. Therefore, over 80 percent of the route shares road space with provincial highways. In areas with high traffic, local cycling paths are connected.

In addition, the Ministry of Transportation and Communications approved a pilot program of signs and markings for cycling routes April 2015 to ensure safety, user friendliness and continuity. Signs and markings have already been installed along the route, and service stations in every 15-20 kilometers have been also planned with signs listing services provided.

Connecting railway for flexible travel

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Although cycling around Taiwan is considered a "must-do" activity, it's difficult to have 9 whole days break completing it for most people. Therefore, there are many branch routes designed to connect railway stations so that cyclists can complete their trips separately using the "TRA Bike Trains".

Dedicated resources for cyclists

/

More information is available at the official cycling around Taiwan website, itaiwanbike.iot.gov.tw. The service hotline can be reached at (02) 2547-5907 Mondays to Fridays between 9 a.m. and 6 p.m. Questions and suggestions can also be directed to iteci@gmail.com.



c

a_ Camphor corridor on Provincial Highway 20

b_ Circular cycling path in Old Cooling

c_ The sign of Cycling Route No. 1



13

Better traffic signs and road markings

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Traffic signs and road markings inspection campaign

Traffic signs and road markings are key facilities to maintain traffic order and safety. Inaccurate or missing signs and markings would lead to wrong directions or even loss of property or life. A civic inspection program enabled the DGH to understand the needs and perspectives of traffic signs and road markings for road users, and would become references for planning and designing in the future. Therefore, the DGH promoted "Traffic signs and road markings inspection campaign" from Dec. 18, 2014 to June 30, 2015, participants identified inaccurate or inappropriate signs and markings, to improve the illustration, correctness and safety.

Enthusiastically participation and response

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Over 3,300 civic inspectors participated in the campaign through a fan page with enthusiastically proposals and online promotions. As a result, 454 proposals had been submitted with 409 identified as signs and markings, which includes 261 traffic signs proposals and 148 road markings proposals. The inspectors found markings inaccurately painted, signs wrongly placed, designed, illustrated, obstructed or translated.



b

Abundance of prizes contributes a fun campaign

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To encourage participation, the DGH offered prizes for the first 100 submissions and also held two raffles during the campaign. The 175 prizes had total value of over NT\$100,000, and included folding bicycles, dashboard cameras, and portable chargers. Furthermore, in order to improve the identification of signs and markings for the public, three online activities featuring games and quizzes were also launched, which had been well received.

a_ The promotion in the department of transport management related in the university

b_ The brochure of traffic sign and road markings inspection



a

More convenience for road users

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New service signs on the West Coast Expressway(expressway 61)

Freeway No.1, Freeway No.3 and Provincial Highway No.61 West Coast Expressway are three major north-south highways of Taiwan. The traffic flow of Freeway No.1 and No.3 is high on weekdays and produces serious congestion problems on weekends, which makes the West Coast Expressway become a substitute route to disperse the high traffic of freeways.

Clear signs illustrate service facilities

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Long-haul transport can be a thankless job, especially when drivers run out of gas or can't find a restroom. As the West Coast Expressway is long and the towns along it are small, service facilities would be lacking. The DGH had erected signs along the expressway, guiding road users to gas stations, restrooms, and convenience stores within a 3-kilometer radius.

a_ Signs illustrating gas station and restroom nearby

b_ A sign for convenience store

Custom-designed signs

/

The DGH commissioned professor Liao Chih-Chung in the department of visual communication design, National Yunlin University of Science and Technology to design simple, understandable, non-advertised and aesthetic signs for convenience stores. In total, 116 signs for gas stations and 94 signs for convenience stores with restrooms were placed at the exits of 30 interchanges along the expressway, and also achieved a performance of a sign on every eight kilometers in average. The project had been finished on Mar. 12, 2015.



a

b



Bud

Patiently Tending to New Buds

The additions of the West Coast Expressway(expressway 61) and East-West Expressway system have made western Taiwan's road network denser. In 2015, significant progress was made in the widening of Eastern Taiwan's Suhua Highway and the South-Link Highway. Top architectural design teams from around the world were also invited to take part in the Danjiang Bridge International Competition. Like a gardener providing a sprouting tree with nutrients, the DGH's Construction and Design Division oversaw the growth of Taiwan's roads.

Danjiang Bridge International Competition

/ Danjiang Bridge and Connecting Roads Construction Project

The Danjiang Bridge and Connecting Roads Construction Project was launched in 2014 to create a new transport route for northern Taiwan's coastal area. The project starts at Provincial Highway No.61 (West Coast Expressway) in Bali and continues northeast along Lingang Boulevard in front of Taipei port. Then it crosses the Tamsui River with Danjiang Bridge connecting the Tamsui's Zhongzheng Road. The project will link the Tamsui and Bali together and boost local development by reducing industrial activity and commuting distances.

Shortening Distances and making Future Landmark

Danjiang Bridge will reduce the travel time and improve existing traffic issues. It will also be a landmark and attractive place in the future. For achieving the goal, including eco-friendly, culture-preserving, landscape-aesthetically and bridge mechanics, we held the first international competition of bridge in Taiwan to invite outstanding design teams all over the world to help us to make Danjiang Bridge a new landmark with Tamsui's famous sunset in Taiwan.

International tender bears fruit

To promote the competition, we placed numerous ads in local and foreign magazines, both on online publication websites. There were two information sessions were held on Oct. 24, 2014 and Jan. 21, 2015 at the Taipei International Conference Center. another sessions were held on Dec. 19, 2014 in Hamburg, Jan. 9 and 14, 2015 in Tokyo and San Francisco. We created the website (<http://www.djcomp.com.tw>) to provide information about the project. The tender was successful, with eight bids received from Europe, North America, Africa and Asia.

Fusing with the environment, adding color to the sunset

A evaluation committee consists of landscape, engineering, culture experts from local and abroad announced the team of Sinotech Engineering Consultants and Leonhardt, Andrä und Partner Beratende Ingenieure VBI AG won the first prize. The special feature of the project combines the ecological preservation and environmental protection to construct a 450-meter-long, single-tower asymmetrical

cable-stayed bridge that would be the largest bridge of its kind in the world, which idea from Cloud Gate dancing motif. Once finished, it will offer spectacular sunset views and become a new landmark in Taiwan.

a_ Group photo at the award presentation ceremony

b_ Once completed, Danjiang Bridge will facilitate cross-strait transportation and become a new landmark and attraction

c_ Rendering of Danjiang Bridge (Fisherman's Wharf) at dusk

d_ DGH Director-General Jaw Shing-hau addressing at the first domestic information session

Guanyin Tunnel holing through

/ Suhua Highway Improvement Project's Guanyin Tunnel

The Suhua Highway of Provincial Highway No.9 Mountainous Section Improvement Project is a major national project. The DGH's goal is to meet the highest construction and engineering standards as the national transport network is expanded. The Suhua Highway Improvement Project will provide residents of eastern Taiwan with a safe road home.



a

Overcoming geological challenges in tunnel construction

/
Guanyin Tunnel is the longest tunnel of the Suhua Highway Improvement Project. It is located between Wuta and Gufeng in Yilan County's Nanao Township. The local terrain is difficult to work with and the area is geologically complex with layers of schist (including chlorite schist) and marble, along with quartz veins. The tunnel is 7.9 kilometers long. The height of the tunnel, meanwhile, had to be increased to 8.5 meters to make room for ventilation spacers. Guanyin Tunnel and the 4.7-kilometer Gufeng Tunnel are connected by the 60-meter Guyin Bridge. The two tunnels and the bridge form a 12.6-kilometer tunnel system that, once completed, will be Taiwan's second longest highway tunnel next to Hsueshan Tunnel.

Using old roads to accelerate progress

/
Work on Guanyin Tunnel began on Nov. 1, 2011. As southbound work began from the northern portal of the tunnel, Taiwan Railways' idle North Link Tunnel was used to create four adits to accelerate progress and accelerate the construction timetable. The tunnel was holing through in three phases. The northbound lane's final working face, NS1, and NN8 were holing through on Nov. 14, 2015, creating a new milestone for the project.

Difficult construction and strict controls

/
Crews worked around the clock during construction, installing 10,500 steel pipes and 44,000 rock bolts. Apart from navigating geological faults, they also had to deal with four major pump-related collapses and gushing water. Fortunately, no one was hurt during these incidents. With so much uncertainty and unpredictability, the Suhua Improvement Engineering Office closely supervised and inspected the ongoing construction and cleanup. Unusual situations that arose were immediately reported to the construction company. The office also conducted on-site inspections and held regular meetings to keep abreast of progress and deal with obstacles.

Tireless work and final yield

/
After Guanyin Tunnel's northbound lanes were holing through, work continued on bench excavation, waterproofing membrane, lining, ventilation spacing and firefighting equipment installation. The project team worked tirelessly to successfully complete highly difficult feats of engineering.

a_ Construction workers
crossing the tunnel

b_ Group photo during the
inauguration of Guanyin
Tunnel's northbound lanes



b

Western Taiwan's new coastal road network

Implementation of the West Coast Expressway(expressway 61) Continuous Construction Project

The West Coast Expressway(expressway 61) Continuous Construction Project began in 2009 with eight sub-plans and 24 sub-projects. As of the end of 2015, three and 12 of these, respectively, have been completed. These include a new interchange at Taoyuan's Guanyin Industrial Park; grade separation improvements at three Changhua Coastal Industrial Park intersections; construction of the mainline section between the Yunlin System Interchange and Haifeng Bridge; and the inauguration of 29 new kilometers of the West Coast Expressway(expressway 61) (the sections between Changhua's Fuxing and Wanggong, Changhua's Dacheng and Yunlin's Taixi (Huzinei Interchange), and Jiangjun Interchange and Cigu Interchange).

New construction inaugurated as soon as possible

Projects still under construction included:

Section between Taoyuan's Guanyin and Fenggang. Three of four sub-projects are under construction and one is still in the planning stage. This section will be completed in 2019; Section between Miaoli County's Baishatun and Nantongwan. This section is under construction and will be completed in 2017; Section between Taichung City's Dajia and Daan. Two sub-projects are under construction. This section will be completed in 2017; Section between Changhua County's Wanggong and Dacheng Interchange. This section has three sub-projects. The first, the section between Wanggong and Yongxing (195K+995-199K+348.5), is under construction and will be completed in 2017. Work on the second, the section between Yongxing and Xinjie (199K+780-204K+530), began on Mar. 1, 2016 and will be completed in 2019. Work on the third, the section between Xinjie and Dacheng (204K+530-209K+087), began on Jan. 1, 2016 and will be completed in 2019; Section between Tainan City's Badongliao and Jiukuaiquo. This section includes three sub-projects. The first, WH77-A, was completed on May 10, 2015. The other two are still under construction and will be completed in 2018.

Outstanding engineering publicly praised

The construction of the West Coast Expressway's mainline viaduct (136K+855-144K+080) between Daan and Dajia received an "A" inspection rating from the Executive Yuan's Public Construction Committee in June 2015. Construction is now in the hoisting stage and precast segments are being produced for the superstructure of the bridge. The Engineering Office is closely supervising the contract manufacturer to ensure safety and quality and that deadlines are met.

Attention to safety publicly praised

Construction on the West Coast Expressway's mainline viaduct between Fangli and Daan (130K+123-134K+271) began on Jan. 10, 2014. To date, the project has a perfect safety record with no accidents. For four consecutive quarters from 2014 to 2015, the project received the West Coast Expressway Central Region Engineering Office's Category 3 medal of excellence for labor safety. The Ministry of Transportation and Communications also submitted the project to an occupational safety and health in public construction competition.



b

Completing roads and connecting tourism

The West Coast Expressway section between Jiangjun and the Cigu Interchange was inaugurated on June 27, 2015. The 6.6-kilometer, two-way section is 22.8 meters wide with two lanes in each direction. On the two sides below the bridge is a previously constructed shared lane with a standard width of 6.5 meters. The total cost of construction was NT\$1.6 billion. Construction began on Jan. 30, 2012 and finished on May 10, 2015. This section connects the Cigu Interchange to City Highway 176, which will benefit tourist attractions in Tainan City's coastal areas like Salt Mountain and Cigu Lagoon.

- a_ The West Coast Expressway(expressway 61) will benefit the tourism industry in Tainan's coastal areas
- b_ Public Construction Commission /Minister Jack Hsu inspects construction along the West Coast Expressway's Daan-Dajia section
- c_ The West Coast Expressway will improve the density of western Taiwan's road network

c

An improved South-Link Highway

/

Follow Up to the South-Link Highway of Provincial Highway No. 9 Widening Project

Follow Up to the South-Link Highway of Provincial Highway No. 9 Widening Project is divided into three sections: Xianglan to Jinlun, Jinlun to Daniao, and Anshuo to Caopu. The project will shorten the highway from 40.62 kilometers to 35.92 kilometers. It has eight civil engineering sub-projects, one mechatronics and fire safety sub-project, one traffic control sub-project, and one construction sub-project. As of the end of 2015, only one of the civil engineering sub-projects has been completed. The others remain under construction.

Various stages of construction completed in succession

/

The section between Anshuo and Caopu is a key part of the project. As of the end of 2015, 22 piers have been completed for both the bridge's well foundation and pile foundation. Cantilever and advanced shoring methods will be used to construct the superstructure of the bridge.

Construction is also ongoing at seven tunnel excavation sites. Of the 9,220-meter upper half, 4,167.1 meters have been excavated.

Waterproofing membranes and reinforced concrete linings are also being installed.

Restoration of beaches

/

Provincial Highway 9 runs along the south side of Taitung County's Dawu Fishing Port. The port's breakwaters extend out to sea, trapping drift sand south of the port. This, along with wave erosion from typhoons and the northeast monsoon, has emptied the foundations of some roads, which in turn has had a major impact on vehicular safety. The DGH has begun nourishing the beach and reinforcing embankments with ballast from the excavations of Anshuo-Caopu Tunnel. Four embankments were completed in July 2015 and survived the typhoon season intact. The embankments have also helped to restore the coastline.

a_ Grouting of bridge

b_ Restored beach

Integrated east-west routes

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East-West Expressway Construction and Network Improvement Projects

Construction to connect the Beimen-Yujing section of Provincial Highway 61 to National Freeway 1 is a sub-project of the East-West Expressway Construction and Network Improvement Projects. It is also the third and final phase of construction on Provincial Highway 84. The completed project will connect National Freeway 1, National freeway 3, and the West Coast Expressway(expressway 61) and benefit development in Tainan's Beimen, Syuejia, and coastal areas.

Connecting east and west, integrating routes

/

The project connecting Provincial Highway 84's Beimen Interchange to Provincial Highway 61 (OK+095) to National freeway 1's system interchange (12K+950) is 13 kilometers long. The two-way mainline viaduct is 22.8 meters wide, with four lanes. Under the bridge are access roads for residents and local fish farms.

Low-noise and low-light construction

/

The area was home to many fish farms, which had resulted in weak, soft soil. One challenge

to the project had been constructing a pile foundation on this type of soil. Low-noise, low-vibration equipment was used to minimize the impact of construction on duck farms. In addition, construction work took place at night and light angles were controlled to minimize the impact on milkfish farms.

Bringing urban and rural areas closer together to boost tourism

/

The completed project connects National freeway 1 with Provincial Highway 19 and Provincial Highway 61. This would reduce traffic volume on National freeway 1 and create an even more comprehensive highway network. Downtown Tainan would also be connected to Beimen, Syuejia, Madou, and Yujing, shortening the distance between Tainan and its suburbs. In addition, the project connects two major tourist attractions, Siraya National Scenic Area's mountains and Southwest Coast National Scenic Area's waters. This will benefit local farmers and fishermen, and stimulate tourism and development.

a_ Completion of Provincial Highway 84

b_ Low-noise, low-vibration instruments were used to minimize the impact on duck farms

Sprout

Carefully Growing Sprouts

Road and bridge maintenance includes landscaping, pavement improvements and disaster prevention. Maintenance provides road users with a safe and comfortable travel environment and maximizes the effectiveness of roads. Like plants, roads need the care of the DGH's Maintenance Division and Highway Disaster Prevention Center to thrive.

Connecting mountain and sea

/ Provincial Highway 2C Construction and Improvement Project

New Taipei City's Pingxi District, Shuangxi District and Gongliao District have a wealth of natural and tourism resources. In earlier days, County Highway 102 and County Highway 106 served as the area's main access routes. Due to the winding ruggedness of the highways, the drive from Taipei took 90 minutes. This was a developmental bottleneck that forced the younger generation to leave their hometowns to work elsewhere.

Transforming tourism

To stimulate regional development and the local economy, the government decided to connect coastal tourism along Provincial Highway 2 with the northeast coast's circular road network. In the early stages of the Provincial Highway 2C Construction and Improvement Project (1994-1998), there was limited funding and the timetable was repeatedly extended. After the inauguration of the Beiyi Freeway, the project was rebranded as a major tourist road. The first amendments to the project were approved in December 2007.

However, construction on Jiping Tunnel, which would connect New Taipei City and Keelung City, was delayed by public protests and contractor issues. Only after a new contractor was hired and multiple negotiation sessions with the public were held was the tunnel completed in November 2012.

Continual negotiation quells misgivings

During the project, costs soared due to the rising price of construction materials and the adoption of new bridge engineering methods. The DGH had to apply for additional funding from the Executive Yuan on multiple occasions. The plan was revised a second time in November 2012 to provide additional funding of NT\$1.2 billion.

After the funds were received, work began on the most important part of the route: Keelung's Nuannuan section. The project was beset by poor weather conditions and fierce protests. During the construction period (2010-2012), four general

and one local information sessions were held to address public concerns.

However, protests continued even after the section was inaugurated. Following multiple negotiation sessions, Provincial Highway 2's highly anticipated branch route "C" finally became operational at the end of 2014. In addition, work to widen the road at Fulong was completed on Dec.1, 2015.

Connecting mountain and sea landscapes

The 29-kilometer Provincial Highway 2C connects Keelung's Nuannuan to New Taipei's Pingxi, Shuangxi, and Gongliao districts. It takes just 15 minutes to drive from Nuannuan to the Shifenliao section via the Jiping Tunnel, and just 40 minutes to drive from Nuannuan to Fulong.

2C has been designated a slow living landscape highway. Along the way, one can forest bathe in Nuandong Valley, release sky lanterns in Pingxi, ride down Shuangxi's picturesque bicycle

path, enjoy misty rolling hills, take a mountain stroll along Caoling Historic Trail, savor the ocean breeze and views of the Pacific Ocean in the distance, and dine on fresh, delicious seafood in Gongliao. In the summer, one can also take a dip in the ocean at Fulong while enjoying the Hohaiyan Rock Festival.

- a_ Well-planned bicycle path
- b_ Scenic views at rolling hills from Provincial Highway 2C
- c_ Provincial Highway 2C as it passes thorough Pingxi

Inter-agency battle against subsidence

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Provincial Highway 78 east-west route 22K+700 reconstruction

The reconstruction of Provincial Highway 78's east-west route was first proposed during the fourth Executive Yuan meeting to discuss subsidence prevention in Yunlin and Changhua. It was designated a priority project by the Ministry of Transportation and Communications as a preventive measure against subsidence stemming from the high speed rail bridge in Yunlin's Tuku. The DGH's Fifth Maintenance Office completed the project in 18 months, and the mainline viaduct was opened to traffic on May 9, 2015.

Subsidence prevention engineering

Subsidence is a major problem in Yunlin County at the point where the highspeed rail system intersects with Provincial Highway 78 (22K+700). Taiwan High Speed Rail Corp.'s annual subsidence inspections revealed sinkage

at the intersection, with the two sides of the bridge sinking at different rates. To keep the gap from growing, the DGH approved the Provincial Highway 78 east-west route reconstruction project.

Obstacles resolved one by one

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The section that was repaired was 267 meters long, with a width between 29.8-33.3 meters. Embankments along the section were removed and replaced with a 240-meter-long, three-span continuous steel box girder bridge (60 meters, 120 meters, and 60 meters). Additional road, drainage and transport facility work was also completed. Total construction cost was NT\$430 million. Two major engineering issues, detailed below, were successfully resolved. The team received multiple honors for its work.

- A. Removing Provincial Highway 78's embankments under the highspeed rail bridge without affecting track support and train safety:
 1. THSRC and the Bureau of High Speed Rail drafted a construction supervision plan and hired professional contractors to supervise construction safety and install automatic monitoring instruments on highspeed rail piers and in box girders.
 2. Embankments were excavated at four different levels in accordance with THSRC's stationary inspection points. Work on each level only began after THSRC determined there would be no impact on traffic safety.
 3. Total weight was reduced by 92,000 tons. On May 19, 2014, THSRC performed a final inspection and confirmed operational safety had not been affected. While the short-term goal has been achieved, THSRC will continue to monitor incoming data. New data will also be sent to THSRC.
- B. Box steel girders had to be installed in limited space under the highspeed rail bridge. Work could only be done between the non-peak hours of 12:30 a.m. and 5 a.m. so that highspeed rail traffic wouldn't be affected. THSRC accommodated construction by cutting the power. Multiple simulations held before the girders were installed allowed the project to be completed in three days instead of the scheduled six.

Setting an example with quality

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The Public Construction Commission conducted one construction inspection and the DGH conducted three supervisory inspections during the project. The Fifth Maintenance Office also conducted six quality and labor safety inspections. All of the inspections yielded an "A" grade. In addition, the Executive Yuan and Ministry of Transportation and Communications task force held quarterly meetings to discuss subsidence prevention and construction management.

a_ Aerial photo of the 22K+700 section of Provincial Highway 78

b_ Inaugurated mainline viaduct

c_ Nighttime installation of steel beams

Resolving traffic bottlenecks

Provincial Highway 9 Nanao level crossing grade separation improvement construction

Many obstacles have been overcome during the Provincial Highway 9 Nanao level crossing grade separation improvement project. Work began on Oct. 15, 2015, and is scheduled to finish on May 13, 2017. At that time, the Nanao level crossing will no longer be a traffic bottleneck.

Railway and highway intersection bottleneck

In 1993, the Taiwan Provincial Government's eastern Taiwan railway improvement construction bureau proposed the Yilan Line and North-Link Line Railway Improvement Project to improve traffic flow at the Nanao level crossing by elevating railway tracks. The project was delayed for many years because Nanao residents could not reach a consensus.

In recent years, traffic congestion on the Suhua Highway has grown steadily worse during holidays. Holidays are also a busy time for railways. Taiwan Railways adds trains to its schedule to meet travel demand during holidays, which extends rail crossing time. During the 2015 Chinese New Year holiday, traffic was stopped at rail crossings 26 minutes out of every hour during peak hours, causing a 30 kilometer pile-up on both northbound and southbound routes.

Disagreement and consensus

To remove the bottleneck, improve traffic flow, and accommodate the Suhua Highway of Provincial Highway No.9 Mountainous Section Improvement Project, the section between Suao and Dongao will be inaugurated in 2017. The DGH first began advocating the grade separation project in 2011. The proposal proved to be polarizing, and the DGH held multiple negotiation sessions with residents, the Yilan County Government and other agencies.

In 2014, it was decided that the new route would include a viaduct at the intersection point with the railway. As it would also affect the Suhua Highway Improvement Project, an environmental impact differential analysis was performed as the engineering plan was drawn up. The Environmental Protection Administration approved the plan on May 6, 2015, and a contractor was hired three months later.

Purchase price negotiations accelerate project timetable

The Nanao Level Crossing Grade Separation Improvement Project affects 1,243 meters of road, including 641 meters of bridge and 602 meters of connected roads. Initially, residents were extremely opposed to the expropriation of land falling outside the confines of urban planning. Following multiple negotiation sessions with maintenance office and branch, public hearings were held in January and April 2015.

In June, a land acquisition price conference was held. On the following day, branch began visiting property owners that had not yet signed consent forms. Some lived as far away as Taoyuan and Taitung. By July, all the necessary consent forms had been signed and property owners were compensated for their property three months ahead of schedule on Sept. 25, 2015.

The first phase of construction began on Oct. 15, 2015. The Yilan County Government is in the process of rezoning land that falls under the confines of urban planning. Once this is completed, the second phase can begin.

Working hard to complete a mission

Many obstacles have been overcome during the Nanao level crossing improvement construction project. In a short amount of time, a consensus was achieved and private property was acquired. Apart from the efforts of the DGH and maintenance office and branch, negotiation and coordination allowed construction to finally begin. This demonstrates the spirit and dedication of highway personnel.

a_ Southbound traffic congestion during the New Year's long weekend in 2015
b_ The new route will be elevated over rail tracks to alleviate congestion (schematic)

Post - Morakot reconstruction

/ Post- Morakot Highway System Urgent Repairs and Rebuilding Project

This NT\$26.629 billion reconstruction project was launched following Typhoon Morakot in August 2009. It was completed on July 18, 2015 with the inauguration of Provincial Highway 20's Taoyuan First Bridge.

Dedicated relief and reconstruction work

Typhoon Morakot caused severe flooding across Taiwan, and many roads had to be completely rebuilt. The scale of repairs and level of technical expertise required surpassed existing knowledge and experience. Even after Morakot left Taiwan, torrential rains continued and mountainous areas remained shrouded in dense fog. Nevertheless, the DGH did everything it could to start repairing roads.

On Aug. 22, 2009, Provincial Highway 9's South-Link Highway was restored to working condition.

On Nov. 30, Provincial Highway 21's Xiaolin to Namaxia section was finally restored.

Morakot left eight highway "islands" in its wake: the Taimali to Fenggang section of Provincial Highway 9, the Maolin to Duona section of Provincial Highway 27, Provincial Highway 18's Alishan Highway, the Wutai to Ali section of Provincial Highway 24, Provincial Highway 27A, the Jiaxian to Taoyuan section of Provincial Highway 20, the Yakou to Wulu section of Provincial Highway 20, the Shuili to Tatajia section of Provincial Highway 21, and the Cishan to Namaxia section of Provincial Highway 21.

Gradual road rehabilitation

Most of the roads damaged by Typhoon Morakot were in mountainous areas, which meant repair progress depended on weather conditions. The DGH's post-disaster repair plan had three stages: restoring roads to working condition, improving road stability and safety, and road rehabilitation. The plan covered rehabilitation of 203 provincial roads and 647 county and township roads. On July 18, 2015, the project was completed with the inauguration of Provincial Highway 20's Taoyuan First Bridge.

Respecting and coexisting with nature

The DGH's short-term post-disaster reconstruction goals have been met, and roads crucial to the livelihoods of residents are useable once again. To ensure mountain roads remain useable and the transport needs of indigenous communities are met, the DGH built temporary steel bridges and repaired as many roads as it could while working around torrential rains, flooding rivers, silt deposits, and changes to the landscape. It will take years to repair the damage caused by Morakot. Finding a way to coexist with nature in an era of extreme weather is of the utmost importance.

a_ Provincial Highway 17's reconstructed Shuangyuan Bridge

b_ Provincial Highway 24's reconstructed Guchuan Bridge in Wutai

c_ Provincial Highway 18's replacement bridge for Fugue Bridge

Amazing wonders on Provincial Highway 7C

/ Golden Road Award of Excellent Landscape

Provincial Highway 7C passes through Yilan County's Sanshing Township and Datong Township, which are the highest points of Yilan Plain. Because the area was developed later than surrounding areas, its natural landscape has been preserved. Yilan's tourism industry is developing rapidly, with most tourists getting to the area via Provincial Highway 7C. The Fourth Maintenance Office has worked hard to transform the spur route into a rest and recreation highway.

Suitability and sustainability

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To protect the natural beauty along Provincial Highway 7C, the branch established an endemic plant repopulation center along roads. It reduced purchase and transport costs and lowered carbon emissions. An earthwork bank was also established to repurpose earth and rocks from landslides for trails, curbs, pavements, retaining walls and steps.

In addition, a rest area serving as a disaster and environmental education center was constructed on the abandoned 0K+600 section of the spur route. A rest stop for cyclists was also constructed by the century-old tree at the 3-kilometer section.

Maintaining the landscape

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The DGH also cleared wasteland and improved the aesthetics of other areas by blocking water containers inside cherry blossom forests with stone barriers, removing utility poles from a cherry blossom park at the 8K+900 section, removing signboards from the entrance of Changpi Lake at the 9K+000 section, and by working with property owners to turn idle vegetable gardens into green belts.

Ecological highway

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Provincial Highway 7C was an entrant in the Ministry of Transportation and Communications' Golden Road Award in 2015. The incorporation of ecological engineering during construction and the creation of a natural environment turned the spur route into an environmental teaching tool.

The branch also cultivated thriving blackberry lily, *Breynia disticha*, blueberry lily, and red mulberry populations. The spur route won the award for most beautiful annual provincial highway section.

ab_ Spring: cherry blossom season
along Provincial Highway 7C

c_ Summer: Bishopwood corridor
providing shade

Reinforcing bridges and maintaining roads

/ Making provincial highway bridges more earthquake-resistant

The 921 earthquake damaged or destroyed many bridges across Taiwan. Between 2000 and 2010, typhoons including Toraji, Nari, Mindulle, Fung-wong, Sinlaku and Morakot caused more destruction. On June 25, 2012, the Executive Yuan approved the "Adaptation Strategy to Climate Change in Taiwan." The plan covers the maintenance of basic infrastructure, which includes making bridges more earthquake-resistant.

Gradual reinforcement of bridges

Six years and NT\$14.9 billion were allocated for the Provincial Highway Bridge Seismic Reinforcement Emergency Construction Plan. A total of 519 provincial highway bridges were included in the plan, accommodating the two-phase "Economic Revitalization Policy: Project to Expand Investment in Public Works" initiative that was promoted by the government between 2009 and 2012. During the first four-year phase, 399 bridges were reinforced at a cost of NT\$6.4 billion. A total of 105 bridges are awaiting reinforcement.

Completion of consolidated projects

To facilitate follow-up plans and budget execution while minimizing administrative work, the DGH consolidated the Provincial Highway Bridge Seismic Reinforcement Emergency Construction

Project, Mountain Provincial Highway Disaster Prevention Emergency Improvement Project, and Six-Year Provincial Highway Improvement Construction Project (2013-2018) into the new "Highway Improvement Project." NT\$3.846 billion was allocated to finish reinforcing bridges under the first phase of the Provincial Highway Bridge Seismic Reinforcement Emergency Construction Project.

Seismic reinforcement for an improved road network

As of the end of 2015, the DGH has reinforced 105 provincial highway bridges to make them more earthquake-resistant. The project extends the life of bridges, repairs damage, reduces the risk of bridge collapse, maintains the integrity of the highway system, and ensures the integrity of disaster prevention and rescue networks.

a_ Reinforced Zhumu Bridge on Provincial Highway 6

b_ Reinforced Laonong Bridge on Provincial Highway 20

Intelligent bridge maintenance

/ Continual implementation of bridge inspection mechanisms

According to Taiwan Bridge Management System statistics, the DGH is responsible for the maintenance of 2,752 provincial highway bridges and eight county highway bridges (Penghu branch) as of Jan. 21, 2016. The data further shows 284 of the bridges are over 40 years old.

Bridge inspection and hierarchical management

Due to limited human resources and equipment, a hierarchical bridge inspection system was implemented on Nov. 1, 2013. More important bridges are inspected more often, while bridges deemed safe are inspected less often. Around 2,400 bridges were inspected before and after the flood season in 2015. The DGH also performed special inspections of 3,364 bridges after typhoons, floods, and earthquakes in 2015 to ensure they remained structurally intact.

Inter-agency cooperation in post-earthquake inspections

In mid-2015, the DGH asked the Central Weather Bureau to consolidate digital earthquake monitoring station and Taiwan Bridge Management System maps. When an earthquake occurs, the maps can be used to identify bridges in need of Category 4 and 5 special inspections. The DGH also asked National Central University to add a messaging function to the Taiwan Bridge Management System to notify inspectors when specified precipitation levels are reached at rain monitoring stations upstream of bridges and earthquake monitoring stations near bridges. The function was launched in November 2015.

Three-tiered sample inspections for repairs

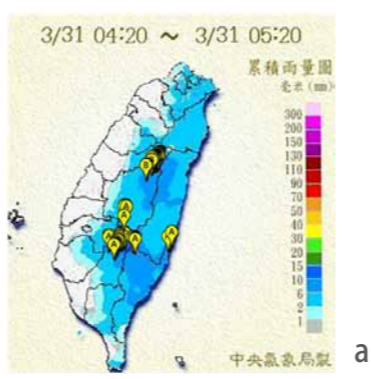
The DGH launched a three-tier inspection system in 2012. The DGH, its maintenance offices and branches are responsible for spot checks of, respectively, 2 percent, 4 percent and 10 percent of bridges. The initiative has been commended by the Control Yuan. The DGH found bridge damage after flood season in 2014 and immediately began repair work, with five bridges restored in 2015. The restoration and reinforcement initiative is based on the principles of periodic inspections, problem identification, and timely repairs.

a_ Bridge inspection

Disaster prevention system upgrades

/ Intelligent disaster prevention and automatic warnings

The DGH uses a combination of highway network maps and Central Geological Survey hazard maps to identify, classify, and inspect high-risk roads. The DGH also charts the locations of slopes near highways using the Central Weather Bureau's 72,000-grid precipitation maps. This reduces the number of monitored grids to 8,000 and is the basis for the Disaster Prevention Auto-Warning System. When precipitation levels reach a certain threshold in a grid, the Highway Disaster Information System automatically notifies personnel and displays relevant information on the highway disaster prevention GIS decision support system.



Watershed management and bridge supervision

The DGH asked the Central Weather Bureau to create a Quantitative Precipitation Estimation and Segregation Using Multiple Sensors (QPESUMS) platform using data from precipitation monitoring systems to revise radar signals and calculate drainage basin precipitation levels. However, the platform cannot provide accurate information on water levels in local catchment areas. The DGH therefore compared Soil and Water Conservation Bureau-designated secondary catchment areas and quantitative precipitation estimates and averages against data from Water Resources Agency stations to monitor precipitation levels in catchment areas upstream of bridges and early warning, alert and action precipitation indexes.

- 1 a_ Red: Action (road closed)
- 2 b_ Orange: Alert (do not enter)
- 3 c_ Yellow: Warning (proceed with caution)



New system facilitates disaster prevention

A location-based highway disaster prevention SMS broadcasting service was launched in 2010 to encourage road users to keep away from hazardous areas. Five telecom companies, including Chunghwa Telecom, FarEasTone, Taiwan Mobile, Asia Pacific Telecom, and T Star were incorporated into the system in 2014. Using the National Fire Agency's Emergency Management Information Cloud platform, the DGH sent out 63,557 and 55,670 warning messages for Provincial Highway No.9 during Typhoon Soudelor and Typhoon Dujan in 2015.

a_ Disaster Prevention Auto-Warning System (DPAWS)
b_ QPESUMS website

Safe, secure roads

/ Pipeline transparency, system informatization and road surface improvement

Pipeline transparency

Work on a new construction, maintenance and management system began in May 2015 that incorporates the public pipeline GIS information database and highway land usage and expropriation management system. Once the system is online, it will provide pipeline search functions and transparency. In August 2015, the DGH launched the road network excavation supervision project, which fines entities operating illegal pipelines under Article 72 of the Highway Act. This will ensure the quality of road excavation, construction and restoration going forward.

System informatization

The Highway Excavation Application Management System was launched on Jan. 1, 2015. Pipeline operators can use the online system to apply for construction permits. The applications are reviewed by the DGH's maintenance offices and branches. Other systems that were launched in 2015 include the Highway Paving Management System, Highway Inspection Management System and Road Maintenance Assessment System. In the future, these systems will be integrated into a single-login highway maintenance management information system.

Road surface improvement for ride comfort

In 2015, the DGH continued improving Taiwan's road surfaces. Inspections in 2015 yielded an average International Roughness Index value of 3.36 meters per kilometer for provincial highways and 2.55 meters per kilometer for expressways. Roads with an IRI value of less than 3 meters per kilometer can comfortably sustain travel speeds of 100 kilometers per hour, while roads with an IRI value of less than 5.5 meters per kilometer can comfortably sustain driving speeds of 80 kilometers per hour. Better road surface quality ensures a higher degree of ride comfort for road users.



a_ Road pipeline excavation supervision project in action



Luxuriance

Lush Greenery and Vitality

The DGH's Motor Vehicle Division and Road User Service Center oversee motor vehicle offices and stations nationwide. These offices and stations provide an array of programs and services ranging from public transportation in rural areas and fuel surcharge payment incentives to driver training program inspections and a 24-7 road user hotline. Like lush, leafy branches on trees, they integrate road services into our daily lives.

New Motorcycle licensing system

/ Motorcycle license exam reforms

As the majority of traffic accidents in Taiwan involve motorcycle, the DGH has overhauled the motorcycle exam system to ensure that motorcycle drivers are taught correct safe driving concepts and skills. The newly revised written exam question databank was launched on July 1, 2015.

Road tests were also reassessed. Apart from the original six maneuvers tested, four maneuvers, including hook turns, changing lanes, right turns, and stopping at stop signs then accelerating have been added. These additions have been approved by the Ministry of Transportation and Communications. Motor vehicle offices and stations are in the process of holding tenders for test sites, and the new maneuvers will be incorporated into the motorcycle license exam in mid-2016.

Expanding the question databank

/ The revised motorcycle license exam question databank includes practical driving questions as well as questions on safe driving habits and accident prevention. The number of questions in the databank has increased from 634 to 1,606. The new databank will be launched on July 1 and written tests will be expanded from 40 to 50 questions. In addition,

practical and situational questions will instill safe driving habits and ethics in examinees. Situational questions will be added to the databank in May 2016.

Complete assessment and new test maneuvers

/ The majority of traffic accidents are caused by inattention or violations, including failure to let other vehicles pass, drunk driving, or running red lights and stop signs. After reviewing driver's tests in other countries, a study on traffic environment and driving behavior leading to accidents was held. Apart from the current six maneuvers tested, which include

a balance test of driving between two lines and approaching intersections and rail crossings, four new maneuvers, including hook turns, changing lanes, right turns, and stopping at stop signs then accelerating have been added to the road test.

a_ Motorcycles are a primary transportation tool in Taiwan

b_ The motorcycle license exam has been overhauled to instill proper driving concepts in drivers

Bus driver training and cultivation

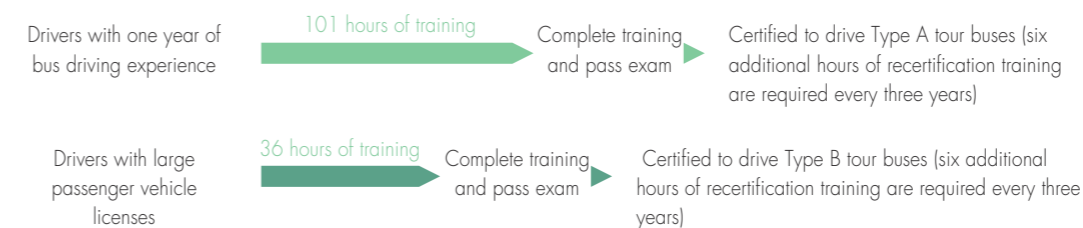
/ Establishing a professional bus driver training system

After the Ministry of Transportation and Communications launched a highway public transport development plan and opened Taiwan to tourists from mainland China in 2008, demand for buses soared and training programs for tour bus drivers became crucial. The poor working environment and unsavory reputation of Taiwan's bus industry, however, meant the shortage of bus drivers in the market continued.

Training and matchmaking

To alleviate the shortage, the DGH launched a subsidy program to encourage professional drivers to transition into bus driving as well as a large passenger vehicle professional driver training program. The subsidy program trains taxi drivers and passenger car drivers and guaranteed jobs with bus companies. After several months, however, only 13 drivers have been placed.

The large passenger vehicle professional training program provides participants with 101 hours of large passenger vehicle "A" training or 36 hours of large passenger vehicle "B" training in accordance with the newly revised Transportation Management Regulations.



Individualized education for incremental progress

Category A training is for drivers that already have their large passenger vehicle driver's license and includes 53 hours of disciplinary training and 48 hours of technical training for total training time of 101 hours. Category A focuses on driving on mountainous roads and nighttime driving, and enhances safety awareness and competency among law-abiding, responsible drivers.

Category B is for drivers that already have their commercial large passenger vehicle driver's license and includes 16 hours of disciplinary training and 20 hours of technical training for total training time of 36 hours. Category B focuses on remedial education and training, and cultivates driving ethics. It also trains drivers to perform under pressure and handle stress, improves their ability to process risk and accidents, and increases their knowledge of basic road classifications and the tourism industry. The technical training hours also focus on driving on mountainous roads and night-time driving.

Professional training for both driver quality and quantity

Through the professional training program, the DGH provides the tour bus market with both driver quality and quantity. By establishing a top-notch public transport environment, the DGH also indirectly contributes to the development of the tourism and tourism-related industries.

a_ Driver education and training is a long-term process

b_ Through training, drivers become more resilient

c_ Large passenger vehicle professional training course

Safe road to school

Students are safer when buses serve campuses

To encourage college and university students to take the bus, the Ministry of Transportation and Communications and Ministry of Education commissioned the DGH to bring public buses to campuses. A task force of representatives from central and local governments, bus operators and schools worked together to bring bus service to 15 university and college campuses in 2015.

Many routes to campuses

In the first phase, 15 bus routes were revised in June 2015 and four new routes were launched in September 2015.

The revised routes brought Taiwan Tourist Shuttle 111 Route A to Fo Guang University; Taiwan Tourist Shuttle 111 Route B to Tamkang University's Lanyang Campus; Taiwan Tourist Shuttle's Northern Pingtung Shuttle Bus to National Pingtung University of Science and Technology; Bus Route 1121, 1122, and 1128 to National Dong Hwa University; Bus Route 8129 to National Taitung University; Bus Route 7011 and 7120 to TransWorld University; Bus Route 6914 and 6700 to Dayeh University; Bus Route 6915 and 6923 to Chung Chou University of Science and Technology; Bus Route 1794 to Cardinal Tien Junior College of Healthcare and Management; and Bus Route 5809 to Chung Hua University, Hsuan Chuang University, and Yuanpei University of Medical Technology. Ridership increased steadily after the revised routes were launched.

The new routes included the Xihuan Route, which stops at National Yunlin University of Science and Technology; Route E09 and E10, which stop at Shu-Te University; and the new Changhua Station-Dayeh University route. Ridership on the new routes is gradually increasing. In November 2015, Bus Route 897 began stopping at Jinwen University of Science and Technology.

a_ The campus bus system attracts many student and teacher passengers

b_ National United University's public bus launch ceremony

Improving public transportation to meet the public's needs

The second phase of the campus bus program will be launched in 2016 with new and revised routes that will attract student ridership without affecting the rights of other passengers. To see this program to its full potential, the DGH worked with relevant agencies and schools to define performance evaluation standards. The DGH will also periodically evaluate performance and see which other schools can be served by the public bus system. The program has effectively reduced the number of students that ride scooters to school, which improves overall campus safety.



New routes and new capabilities

2015 Highway Public Transport Route Planning Competition

In 2015, the DGH held a public transport highway route planning competition and invited students from college and university transportation departments to take part. In future years, the competition will have an undergraduate and graduate category and be expanded to all college and university students to make it more challenging. The DGH hopes to integrate the top submissions into its Highway Public Transport Enhancement Project.◎

Fierce and elite competition

Fifty teams entered the competition, which had four stages. Thirty of the teams were selected for the first stage, which was a documentary review. The top six teams were then selected for the second stage, which was a comprehensive review.

The judges, who hailed from industry, government and academia, selected National Chiao Tung University's "Yonghe-Gongguan Bus Route Improvement Plan" as the winner.

Second and third place went to, respectively, National Taiwan Ocean University's "Jiufen Bus Route Plan" and Tamkang University's "Long-Haul Bus Operation Improvement Plan."

NCTU was awarded a cash prize of NT\$300,000, while NTOU was awarded NT\$200,000 and TKU received NT\$100,000.

Three honorable mentions went to Chung Hua University for its "Yunlin County Student Commute Route Plan" and "High Speed Rail Miaoli Station Shuttle Route Design Plan," and Tamkang University for its "Tamkang University Community Bus Route Plan." Each of the honorable mention winners received NT\$50,000.

Creative plans

The winning teams submitted plans that were not only innovative, but also feasible. The DGH hopes to incorporate these plans into the Highway Public Transport Enhancement Project in the future. The competition also allows the DGH to see which highway network areas need improvement from a student/user perspective.

a_ Director-General Jaw Shing-hau presenting awards at the award ceremony

b_ Award winners and judges group photo

c_ Award presentation ceremony

Improved driver training

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Assessment and evaluation of driving schools

To get their driver's license, people have to attend driving school to learn driving techniques, knowledge, and ethics. Their performance affects not only whether they get their license, but also personal, road, and traffic safety.

In 2015, the DGH invited experts, academics, and representatives from the national driver's education academy to evaluate driving schools in 14 areas, including administration and management, teachers, instructional vehicles, classrooms, training sites, educational materials, educational tools, e-education, maintenance practice, payment, disciplinary classes, technical classes, research and development, and customer service.

A list of the 32 schools that received the highest rating was published in a press release.

Stricter inspections, higher quality

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To improve driver training programs, the DGH inspected driving schools between April and June 2015, and audited driving tests between July and September. In total, the DGH inspected 89 driving schools and cited these schools on 126 issues. Violations were penalized and schools that were cited

were given a deadline to make improvements. The DGH's motor vehicle offices continue to inspect driving programs to improve the overall quality and management of driver education.

Supervised disciplinary training to protect rights

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In addition, the DGH's motor vehicle office conducted spot checks to ensure that schools were holding required disciplinary classes and inform students of their rights and obligations. This was effective in improving the quality of driver education and helped to reduce the number of driver education-related consumer disputes.

a_ The DGH evaluated driving schools in 14 practical categories in 2015

b_ Driving school students learn about personal, road and traffic safety

c_ Audit of driving school under Yilan motor vehicle offices's jurisdiction



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Award-winning motor vehicle and driver services

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Hsinchu Motor Vehicle Office wins the 7th Government Service Quality Award

The Hsinchu Motor Vehicle Office serves the public to the best of its abilities. The staff's enthusiasm, professionalism, and commitment to service have seen the office win rave reviews from the public. The office's service policy is rooted in active outreach, quick processing, public and private cooperation, safety and protection, and smart and electronic services. The office won the 7th Government Service Quality Award from the Executive Yuan in 2015.

Motor vehicle services in rural areas

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The office took the initiative to consolidate the services of 23 agencies into a "service circle" for the convenience of rural residents. The office also offers special services for new immigrants that can't read Chinese, including assistance with license exams. It also visits with families of drivers caught driving under the influence.

In 2015, the office held a service tour with stops in Taoyuan County's Fuxing District; Hsinchu County's Emei Township, Jianshih Township and Wufeng Township; and Miaoli County's Nanzhuang Township and Taian Township. The 17 stops served 1,902 people, and saved them 3,170 hours of travel time and NT\$239,652 in travel costs.

Prison outreach for drunk drivers

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Taiwan's detention centers are filled with inmates serving time for impaired driving. As drunk drivers have a high recidivism rate, the office works with police, detention centers, and prisons on "door-to-door" outreach programs to save inmates trips to and from motor vehicle offices. The program also gives inmates access to new motor vehicle information. The office visited 1,778 inmates in 2015, saving them 7,112 hours of travel and processing time.

Intelligent transport, cloud supervision

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To prevent traffic congestion on weekends and holidays, the office interfaces bus company and leisure park cloud cameras, helping the office keep abreast of current traffic conditions and make arrangements for additional buses if necessary. The office has a LINE team that monitors traffic conditions in key areas and reallocates public transport resources when needed. During weekends and holidays in 2015, the office made arrangements for 1,811 additional buses that served 54,330 passengers.

Creative promotion and safety protection

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Most anti-drunk driving awareness materials are static in nature. The office came up with the idea of pairing 3D alcohol impairment simulation goggles with getting behind the wheel of electric cars so that drivers can experience the dangers of impaired driving. This has proven to be an effective prevention tool.

The office also produced a micro movie on vehicular safety and bus accident prevention specifically for Hsinchu County's Wuzhishan

mountain route. The movie was uploaded to YouTube in May 2014. As of the end of 2015, it had been viewed 1,866 times. The website homepage, meanwhile, has received a total of 681,786 hits.

a_ 7th Government Service Quality Award presentation ceremony

b_ Happiness regardless of distance

Taiwan Highway Museum opens

Items from every era of Taiwan's highway history on display

To foster interaction with the public, the DGH established the 140-ping Taiwan Highway Museum on the first floor of its new office building. The museum provides information and exhibits on different aspects of the 70-year history of the DGH, including new construction, maintenance, supervision, public transportation, and driver education. The exhibits start with the launch of the DGH in 1946, with every themed area covering 20 years of DGH history. The museum preserves highway culture for future generations and promotes exchange and innovation.

Active, entertaining displays

The museum has three major areas: a permanent exhibition area, special exhibition area and reading and recreation area.

The permanent exhibition area includes features on the people, stories, documents and artifacts behind DGH projects and motor vehicle services. Multimedia and projection technology are used to increase interaction.

There are must-see features on early-era projects including Xiluo Bridge, Central Cross-Island Highway, MacArthur Thruway, and Jinma, Kuo-kuoang, and Zhongxing buses; recent projects including the East-West Expressway, the privatization of highway bus

companies, the evolution of license plates, the third-generation motor vehicle information system, and the highway disaster prevention system; and future projects, including ecological highways and the Suhua Highway of Provincial Highway No.9 Mountainous Section Improvement Project. The museum opened to the public on Aug. 3, 2015. Visitors of all ages are welcome.



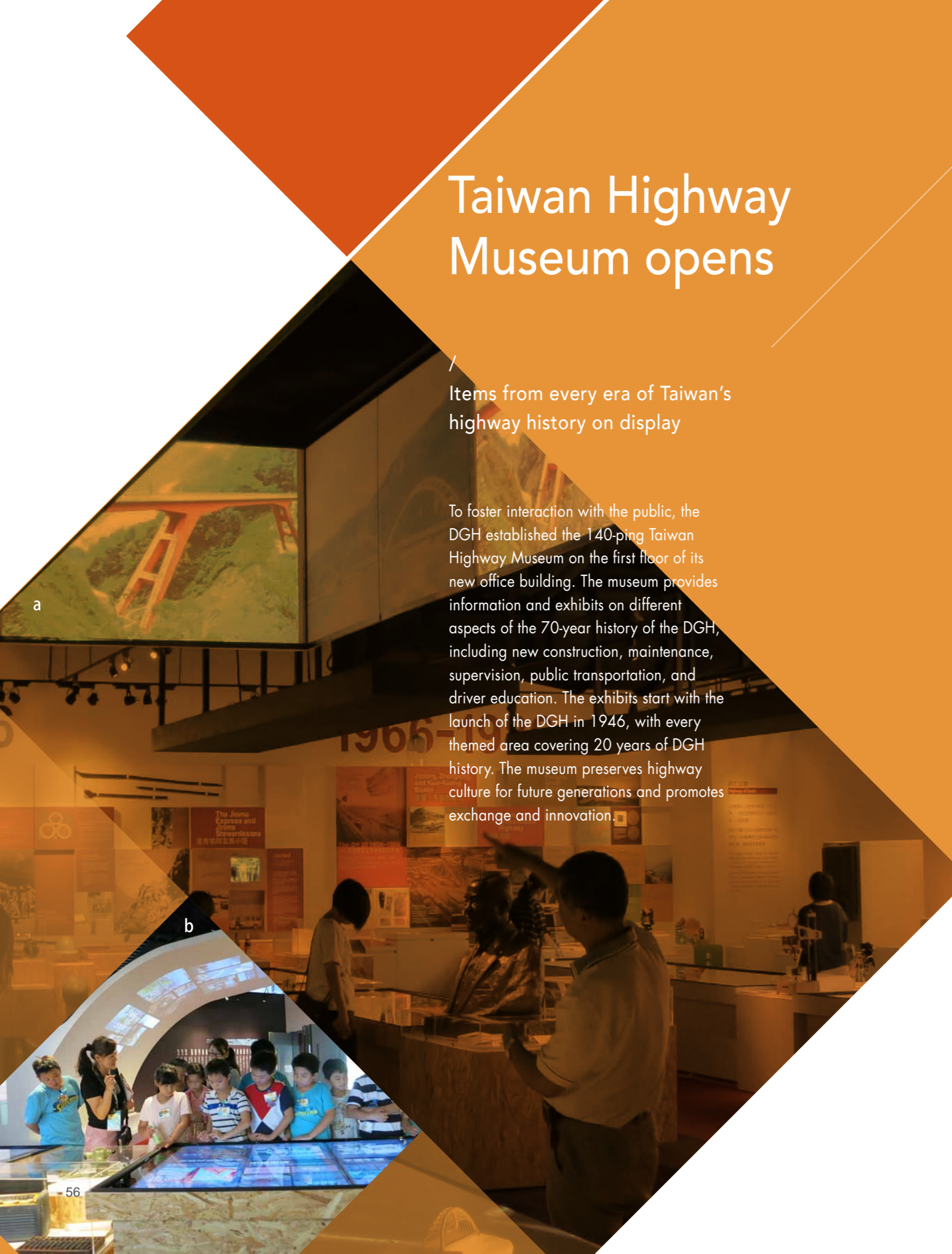
Taiwan Highway Museum Visitor Information

Operating Hours: Mondays to Fridays from 9 a.m. to 4 p.m.; closed on weekends and national holidays
Address: 1st floor, 65 Dongyuan Street, Wanhua District, Taipei City
Group Tours: Four tours daily for groups of five to 50 people; by appointment only.
Online Appointments: <http://twhwmuseum.thb.gov.tw/reserve.php>
Telephone: 0800-231-035 (24-hour hotline) or (02) 2307-0123 ext. 2702
Museum website: <http://twhwmuseum.thb.gov.tw>
Facebook page: <https://www.facebook.com/thbmuseum>

a_ Exhibition of various historical artifacts

b_ The guided tours and active displays allow visitors to learn about the history of the DGH

c_ Ribbon-cutting ceremony



Expanding the high speed rail network

/ Access roads constructed for three new high speed rail stations

Miaoli, Changhua and Yunlin's high speed rail stations were inaugurated on Dec. 1, 2015. The DGH worked with the governments of the three countries to plan and provide public transport services to and from the stations. New bus routes serving the stations were established, while existing routes were modified.

New routes and convenient shuttles

The Miaoli County Government launched five new downtown bus routes, while Changhua County Government launched three and the Yunlin County Government launched two. The DGH also modified 24 existing bus routes to serve the three new stations. These routes began operating on Nov. 4, 2015 when the three stations opened for tours and began offering presale tickets. In addition, one downtown express bus route was assigned to each the three stations starting Dec. 1, 2015.

Implementing suggestions for improved service

The high speed rail buses served a total of 62,029 passengers in December 2015. In the future, the DGH will continue working with Miaoli, Changhua and Yunlin's governments to expand traveler services.

a_ Providing travelers with public transport services

b_ Providing tourists with an easy way to get from downtown to attractions



a

b



Touring Yilan on cruise buses

/ Cruise-style shuttle buses for Yilan

Traffic often comes to a standstill on National Freeway 5 and in Yilan on weekends and holidays. During the Dragon Boat Festival period of 2015, the DGH launched a holiday "cruise-style bus" trial service in Yilan. The buses ferry tourists between popular attractions and makes stops at the attractions on a fixed schedule. The service is both convenient and reliable.

First of its kind in Taiwan

The cruise-style buses are a convenient and reliable public transport service operating direct routes that don't require transfers. Tourists can purchase tickets ahead of time and no longer have to drive to Yilan on their own.

Unique routes and ticket-purchasing methods

Route	Departure Station	Stops	Operator
Taipei West Station → Lanyang Museum	Kuo-Kuang Taipei West Bus Station	Taipei West Bus Station Terminal B - Wufengqi Scenic Area - Jiaoxi Hot Spring - Lanyang Museum - No. 9 Café at the Beach - Taipei West Station Terminal B	Kuo-Kuang Motor Transport
Yuanshan MRT Station → Lanyang Museum	Yuanshan Bus Station	Yuanshan MRT Station - Wufengqi Scenic Area - Jiaoxi Hot Spring - Lanyang Museum - No. 9 Café at the Beach - Yuanshan MRT Station	Kuo-Kuang Motor Transport
Taipei West Station → National Center for Traditional Arts	Kuo-Kuang Taipei West Bus Station	Taipei West Bus Station Terminal B - National Center for Traditional Arts - Nanfanggao - Meihua Lake - Luodong Night Market - Taipei West Bus Station Terminal B	Kuo-Kuang Motor Transport
Yuanshan MRT Station → National Center for Traditional Arts	Yuanshan Bus Station	Yuanshan MRT Station - National Center for Traditional Arts - Nanfanggao - Meihua Lake - Luodong Night Market - Yuanshan MRT Station	Kuo-Kuang Motor Transport
Taipei City Hall Bus → National Center for Traditional Arts	Taipei City Hall Bus Station	Taipei City Hall Bus Station - National Center for Traditional Arts - Meihua Lake - Luodong Night Market - Taipei City Hall Bus Station	Capital Bus
Banqiao Bus Station → King Car Whisky Distillery	Banqiao Bus Station / Taipei Bus Station	Banqiao Bus Station - Taipei Bus Station - Sheng Yang Water Grass Park - King Car Whisky Distillery - Kuchen Kennwort Museum - Agrioz Candied Fruit Factory - Luodong Night Market - Taipei Bus Station - Banqiao Bus Station	Kamalan Bus
Dapinglin → Meihua Lake	Dapinglin MRT Station	MTC Xindian Station - Forestry Culture Park - Meihua Lake - Nanfanggao - National Center for Traditional Arts - MTC Xindian Station	Metropolitan Transport Corp.

- Tickets can be purchased at 7-11, FamilyMart and Hi-Life convenience stores as well as Kuo-Kuang Motor Transport locations nationwide.

Relieving traffic congestion

During the Dragon Boat Festival, the ridership rate was 90 percent, with 780 people leaving their cars at home and a satisfaction rating of 93 percent. During the Mid-Autumn Festival, the ridership rate was 44 percent, with 205 leaving their cars at home and a satisfaction rating of 97 percent.

During the Double Ten National Day holiday, the ridership rate was 57percent, with 382 people leaving their cars at home and a satisfaction rating of 95 percent.

a_ Cruise-Style Bus Ridership During the Dragon Boat Festival Holiday

a



Safety controls from the “bottom” up

/

Tour bus chassis type registration

To improve tour bus safety, the DGH unveiled relevant auxiliary equipment, regulations and functions in September 2014. These included Anti-lock Braking Systems(ABS), new chassis categories and registration information. During registration, vehicle owners should also register low-chassis vehicle type and model. Supplementary documents from domestic manufacturers or importers should also be provided.



a

Safe driving with essential equipment

/

To ensure vehicular safety and stability, tour buses should have the following:

- brake assist system: Electro Magnetic Retarder, Hydraulic Retarder
- vehicle stability control system: equipment including Vehicle Stability Function(VSF)that comply with the “42-3 Dynamic Braking” of Vehicle Safety Testing Directions that will go into effect on Jan. 1, 2019; flared rear axle balloon suspension system; non-flared level control balloon suspension system
- brake system: Anti-lock Braking System(ABS) that complies with Vehicle Safety Testing Directions

Appropriate classification and source control

/

To facilitate safety measures including chassis classification, tour bus registration, and manufacturing consistency, the Ministry of Transportation and Communications(MOTC) approved and promulgated regulations governing applications for type “A” large passenger vehicle chassis type registration and supplementary safety provisions on Dec. 3, 2015. These regulate safety features on new tour buses and provide the market



b

a_ Tour bus safety auxiliary equipment, regulations and function demonstration

b_ Wide (flared) balloon suspension

Barrier-free public transportation

/

Friendly, barrier-free travel environment

To create a user-friendly travel environment, initiatives that underwent review included bus ramp placement, driver training and bus evaluation, and taxi services for the disabled.

1. SOPs (including ramp placement and wheelchair lock systems) were set and a public awareness video was produced. Demonstrations were also held for bus operators.
2. More frequent bus company driver training program inspections were conducted by local motor vehicle offices and government agencies. Updates will be submitted to relevant authorities periodically and supervision will continue. The offices and agencies also plan to add a “services for the disabled” category to driver certification tests.
3. The Public Transportation Operation and Service Evaluation Regulations was revised to incorporate relevant exam-related regulations. In addition, an evaluation committee established a new “friendly service” category to recognize bus operators that received high scores in this area.

Articles 3 and 4 were also revised to make “barrier-free facilities, services and transportation tools” 10 percent of the evaluation score. The existing “station facilities and services” category was lowered to 15 percent of the score, while “transportation facilities and safety” was lowered to 25 percent of the score. “Service quality and driver management” and “company operation and management” remained at, respectively, 30 and 20 percent of the score.

Article 5 was also revised to govern the formation of the evaluation committee. To ensure that the needs of the disabled are met, the committee should include representatives from relevant civic groups.

4. In accordance with the Public Transportation Operation and Service Evaluation Regulations, bus companies will launch services for the disabled for a comfortable, barrier-free travel environment.

a_ Installation of barrier-free facilities

a



Services for rural residents

/ Integrated services for rural areas

The government has expanded its online and mobile services, but these are not always available in rural areas. As rural residents often have to waste an entire day traveling to cities to run errands, the DGH has implemented a service principle of bringing convenience to rural areas regardless of distance.

Integrated services for rural areas

In 2014, services provided by 14 government agencies were consolidated into a single platform. In 2015, this number rose to 19 with Miaoli General Hospital (Ministry of Health and Welfare), Workforce Development Agency (Ministry of Labor), National Immigration Agency (Ministry of the Interior), National Police Agency, National Taxation Bureau (Ministry of Finance), and local tax bureaus, township offices, health bureaus, household registration offices, and county governments participating. The platform has proven to be a time- and money-saving initiative for residents.

Seamless shuttles with local resources

The DGH worked with the Sanyi Township Office to launch free community shuttles to its service station. As the bus stop closest to the station was still some distance away, however, the DGH asked the office to provide a more seamless shuttle service with eight-person vans to transport elderly passengers between the bus stop and the service station.

More locations and services

Service stations were launched in Taian Township and Nanzhuang Township in 2014 and in Sanyi Township and Tongsiao Township in 2015. In addition, Miaoli Hospital and the Miaoli Employment Center of the Workforce Development Agency's Taoyuan-Hsinchu-Miaoli Regional Branch joined the platform. They provide rural residents with, respectively, free screening for four types of cancer and employment consultation services.

a_ Cross-agency services in rural areas

b_ Residents are happy with the shuttle service

Hop-on, hop-off buses in rural areas

/ Launch of hop-on, hop-off bus service in rural areas

In rural areas where public transportation networks are less developed and highway buses stop infrequently, residents often have to walk long distances to reach a bus stop. At the end of 2014, the DGH worked with highway bus operators to launch 12 bus routes for a trial period of six months in northern, central, southern and eastern Taiwan. The number of routes was later expanded to 19. Hailable buses are especially convenient for the elderly and disabled, and save walking and waiting time.

Priority for rural areas and open information

At present, rural and mountainous areas are given priority for new bus routes. Depending on road condition and safety factors, routes are either "partial" or "complete." Detailed information is available on the websites of the bus companies and bus stations. For further information, inquire directly with bus operators or visit <http://taiwanbus.tw>.

a_ Hop-on, hop-off public bus service in Yunlin

b_ Hop-on, hop-off public bus service in Chiayi

Safe transport of dangerous materials

/ Reinforcing dangerous material transport safety management

Regulations governing the management of vehicles transporting dangerous materials include road safety management and accident endangerment response mechanisms. Roads used by these vehicles are at higher risk in the event of an accident. While sometimes the driver or transport vehicle is at fault, accidents can also be caused by other drivers and vehicles, road conditions or the road environment, and weather.

- Higher fines for violations involving the transportation of dangerous materials
 - Comprehensive dangerous materials transportation safety management regulations
- Specifying driving routes for dangerous materials transportation
 - Adjusting the inspection cycle for high-pressure tankers over 10 years old
 - Improving the quality of professional dangerous materials transportation training programs
 - Establishing crossagency inspection and audit mechanisms
- Raising the number of and standards for joint motor vehicle and police inspections in industrial zones and on industrial zone access roads
 - Increasing the number of dangerous materials transport vehicle traffic stops

Stricter management

To improve road safety for vehicles carrying dangerous materials, the DGH conducted a comprehensive review and launched new safety measures from management, law enforcement, and legal perspectives in 2015. These included the implementation of permit and inspection audit mechanisms by the Environmental Protection Administration and other agencies for source management of dangerous material

transport. Local police were also asked to step up traffic stops and inspections at frequent collision sites. Regulations were revised to require three inspections per year for high-pressure tank trucks that are over 10 years old. Fines were raised to a maximum NT\$9,000 for violations that directly or indirectly affect dangerous material transport safety, including failure to apply for temporary permits, drivers who have not completed professional training, failure to comply with designated routes and travel times, speeding, and running red lights. These measures went into effect on Jan. 1, 2016.

a_ Stricter inspections of vehicles transporting dangerous materials

b_ Walkthrough during training program for transporters of dangerous materials



Fuel tax collection

/ Fuel usage tax revenues hit record high in 2015

Fuel usage tax revenues hit a record high in 2015, reaching NT\$51.207 billion and surpassing NT\$50 billion for the first time. This was an increase of NT\$4.11 billion from the NT\$47.1 billion collected in 2014. The tax has proven to be a major revenue stream for the national treasury.

Year	Revenue Receivable	Revenue Collected	Note(s)
2013	NT\$44 billion	NT\$42.8 billion	
2014	NT\$47.2 billion	NT\$47.1 billion	Increase of NT\$4.3 billion
2015	NT\$ 50 billion	NT\$51.21 billion	Increase of NT\$4.11 billion

a_ Raffle drawing



Incentives for early payment

To encourage scooter owners to pay their fuel tax, the DGH held a scooter giveaway in 2015. Scooter owners that paid their tax before the deadline were entered into a raffle. Those that signed up for scheduled payment transfers were also eligible for additional prizes. Scooter fuel tax revenues increased by NT\$1.54 billion from NT\$3.57 billion in 2014 to NT\$5.11 billion in 2015, showing the success of the incentive program.

Creative ways to lower costs

Due to the number of scooters in Taiwan and small tax amounts, the implementation of the fuel tax increased administrative costs, including processing fees, and printing and postage fees for fines and payment due notices. To reduce costs, the DGH consolidated payment notices

on a per-household basis. This allows families to pay the entire household's fuel tax in one go. The DGH also began sending payment due notices in the form of aerograms to lower registered mail costs. The motor vehicle service app and short messages were also used to send payment notifications.

Continued implementation of policies

Fuel tax collection can be a difficult and thankless job, but the mission was completed due to the hard work of motor vehicle office staff. In the future, the DGH will continue holding promotions, raffles and giveaways for users that schedule payments, answer surveys, etc.

24-7 road user hotline

/

Road user service hotline: 0800-231-035

To serve road users, the DGH established a free 24-7 service hotline and a professional call center to answer road users' questions. Between June 8, 2015 and Dec. 31, 2015, the hotline received 160,000 calls or close to 1,000 calls per day.

Three major benchmarks for ensuring quality

/

To monitor performance and ensure service quality, the call center has three key performance indicators (KPI) including response rate, telephone service factor, and longest wait time. Calls are also monitored at random for quality purposes, and automatic voice callback is used to conduct customer satisfaction surveys. In the first six months of operations, the hotline received a satisfaction rating of 90 percent.

Timely response and resolution

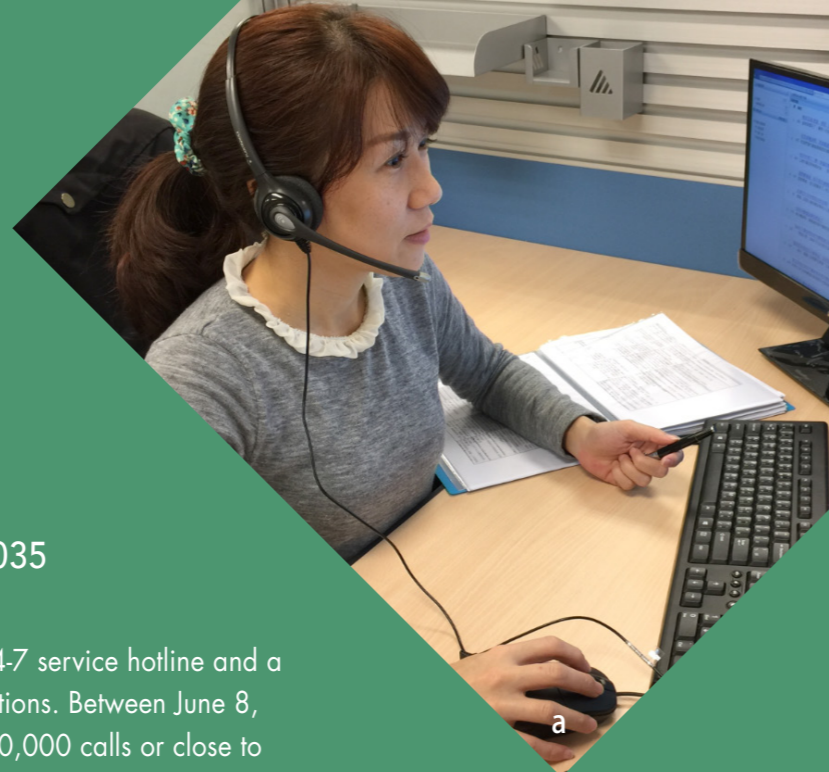
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The customer service team provides information, transfers calls, and processes complaints. Around 92 percent of calls are requests for information, while 7 percent of calls are transferred. Just 1 percent of calls are complaints, which are logged and forwarded to the responsible authority for follow-up or response. Most requests for information are on vehicle-related issues, including inspections and vehicle registration renewals and replacement. The second most frequent requests for information are driver-related issues, including the driving test and license renewal and replacement. Call rates vary from season to season. In 2015, the number of calls doubled in July due to fuel surcharge payments and typhoon season.

Professional and efficient customer service

/

The hotline offers professional customer service and immediate answers to questions. A comprehensive knowledge base also provides information on motor vehicles, road maintenance, disaster prevention, and transportation management issues. The hotline has improved the overall administrative efficiency of the DGH. Hotline number: 0800-231-035



a_ Customer service call center

Online networks are replacing road networks

/

Motor vehicle service app launched

The DGH's convenient motor vehicle app saves users a trip to the motor vehicle office. The app can be used on iOS and Android 2 phones and tablets to look up and pay traffic fines and fuel taxes; look up and edit contact information; look up the dates of a vehicle's last two inspections and mileage information; submit scrapping documents for scooters; and look up the dates of and register for license exams. The app can be downloaded by QR CODE.



ANDROID



IOS

GPS positioning, quick lookup

/

Apart from motor vehicle services, the app uses GPS and region selection to provide information on the closest motor vehicle offices and which services they offer. Users that enter personal information into the app can also choose to receive notifications, reminders, and information on their phones such as fine and fuel tax payment reminders, inspection reminders, commercial driver's license review notifications, and road safety seminar attendance notifications.

Frequent updates to meet motorist needs

/

The app has been very well received, and users often provide the DGH with suggestions. One popular request was a mileage lookup function for secondhand cars. This feature was added to the app in October 2015. In less than a month, it became the app's third most used feature. The DGH welcomes user suggestions and constructive criticism.

Most popular feature: traffic fine lookup

/

Between the launch of the app in May 2015 and the end of the year, the app was downloaded 50,000 times to iOS devices and 85,000 times to Android devices. The app's various features were used 1.62 million times during this span. The most frequently used features were, in order, traffic fine lookup and payment, fuel tax lookup and payment, and last two vehicle inspection dates and mileage lookup. Of these, the fine lookup and payment feature was used over 100,000 times per month.



a



b

a_ App main screen 1

b_ App main screen 2



Fertility

Spreading Fertile Soil

The Third-Generation Motor Vehicle and Driver Information System launched by the DGH's Information Management Office set a new milestone in mobile vehicle operations. The Civil Service Ethics Office, meanwhile, performed supervision and inspection work while maintaining open dialogue with other agencies. In essence, these two offices fertilized soil to improve engineering and supervision. Their hard work allowed the DGH's approval rating to hit a new high.

New third-generation motor vehicle services

/ Official launch of Third-Generation Motor Vehicle and Driver Information System



The Second-Generation Motor Vehicle and Driver Information System was launched in 1994. With the expansion of motor vehicle services and the growing amount of new data available, the lack of compatibility between old and new hardware created a bottleneck. In July 2011, the DGH began designing a third-generation system to provide new services in the mobile era.

Uninterrupted service through installation first and decommissioning second

The foundations of the third-generation system are information security and personal data protection. Cloud technology and business intelligence were combined to create 15 core operating systems and 14 information service systems internally, and various services externally to 22 interfacing units, 43,000 transport companies, 518 third-party inspection plants and motor vehicle service networks, and 222,000 members. The new system was installed before the old system was decommissioned to ensure uninterrupted service. At the same time, independent inspectors and consultants were brought in to lower risk.



Convenient mobile services

The motor vehicle app provides users with a convenient way to pay fuel taxes and fines, edit their contact information, and register scrapped vehicles. The website, www.mvdis.gov.tw, also offers expanded search and registration functions and saves users the trouble of having to physically visit motor vehicle offices. Through the app, users can instantly get information on vehicles and licenses that are being processed. The app also notifies vehicle owners about fine and fuel tax payment deadlines and vehicle inspections. In addition, the app allows users to see how many people are ahead of them at a particular service window.

Digital motor vehicle services save time and resources

Automated service counters that reduce waiting time can also now be found at various motor vehicle offices and stations. Residents of rural areas can use mobile services to save them a trip. At the same time, mobile installations have changed traffic stops and can be used to automatically issue fines for traffic violations. Driver and vehicle ownership data have also been consolidated into a single database to save processing time.

a_ Former Premier Mao Chi-kuo, Transportation and Communications Deputy Minister Tseng Dar-jen, and guests at the launch of the new motor vehicle service

b_ The third-generation motor vehicle information system is easy and convenient to use

Strict supervision and inspection

/
Inspection of driver's education classes

Private driver's education programs promote road safety by teaching driving techniques, basic car maintenance, and traffic laws. The exam system has been in place for many years, and focuses on both the written exam and the training process.

Dedicated management and reinforced inspections

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As of the end of 2015, the DGH oversees 236 driving schools. Of this number, 219 or 92.8 percent are certified to hold on-site driving exams. As there have been cases of schools passing students that shouldn't have passed, private driving schools sometimes have a poor reputation. Apart from implementing management regulations, teams from the DGH's Motor Vehicles Division and Civil Service Ethics Office perform spot inspections of testing operations at driving schools.

Addressing flaws and ensuring fairness

/
Inspectors performed spot checks at 144 driving schools in 2015. Schools were given a deadline to address cited issues and re-inspected at a later date. The DGH has already proposed and implemented revisions to the inspection program based on inspection results. In this way, it fulfills its responsibility of supervision and management and ensures fair and impartial testing.

a_ Driving school inspection
b_ Checking student information

Cross-domain exchanges and administrative transparency

/
Engineering, judicial, and anti-corruption exchanges

The DGH promotes transparent administration and open information to facilitate cross-domain exchanges on major transportation infrastructure engineering. In 2015, it set up an online information platform to provide construction updates, photos and inspection results for Follow Up to the South Link Highway of Provincial Highway No.9 Widening Project and the central section of the West Coast Expressway(expressway 61). In addition, the West Coast Expressway Central Region Engineering Office and East-West Expressway Kaohsiung-Tainan Construction Office held engineering, judicial, and anti-corruption exchanges on, respectively, Sept. 23 and Oct. 1, 2015. Total attendance was 156.

Active public awareness campaigns

/
An exchange for construction and judicial agencies, construction companies, supervisory agencies and others was held. Construction officials gave status reports on major projects and a presentation on quality control mechanisms. Civil service ethics agencies, meanwhile, promoted political ethics in civil service, anti-corruption guidelines in civil service,

and business integrity to promote honesty and integrity in business.

Mutual trust and construction progress

/
The DGH's "Loving Taiwan starts with roads" campaign was executed with innovation and action. Engineering, judicial, and anti-corruption exchanges were held to instill integrity in contractors, encourage them to live up to their contractual obligations and social responsibilities, and ensure construction quality. The DGH also hoped transparent administration and open information would help judicial agencies better understand and assist with the promotion of major transportation infrastructure projects.

a_ Business integrity and anti-corruption conference
b_ South-Link Highway construction inspection



a



b

Protecting personal data

/
Verified access

The Personal Information Protection Act was promulgated on Oct. 1, 2012. In August 2012, the DGH began implementing personal information protection and management policies and established a personal information protection task force.

Professional guidance and system implementation

/
As the DGH stores personal information on a national scale, information management is very important. In June 2015, it hired KPMG Management Consulting to ensure compliance with the Personal Information Protection Act, Enforcement Rules of the Personal Information Protection Act, and BS 10012 personal information management specifications. KPMG also implemented personal information management systems in 13 DGH departments.

Audits and recommendations

/
The DGH helped the Ministry of Transportation and Communications with the implementation of newly applied motor vehicle information operations and management guidelines. It also formed a task force of lawyers and information security consultants to audit and provide recommendations to 20 external agencies that applied motor vehicle information, including the National Freeway Bureau, Environmental Protection Administration, National Immigration Agency and National Police Agency.

Procedural guidelines for information security management were established for seven regional motor vehicle offices. The offices and their contractors, including inspection plants and printing companies, were all audited. Deadlines to address cited issues were given and follow-up inspections held.

International certification

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To ensure effective risk management of its personal information management system, the DGH hired SGS, an independent company, to ensure compliance with BS 10012 personal information management specifications. The DGH received its BS 10012 certification on Dec. 4, 2015. In the future, the DGH will adjust its system to comply with Personal Information Protection Act guidelines, consolidate ISO 27001 information security standards, and expand its verification system to its subdivisions.

a_ 2015 BS 10012 certificate

b_ DGH receives delegation of SGS executives



a

b



75

74

Satisfaction rating soars to new high

/ Motor vehicle services commended

From Aug. 3 to Aug. 23, 2015, the DGH commissioned a private marketing research company to conduct a motor vehicle service quality satisfaction telephone survey. In total, 2,490 respondents were asked to give satisfaction ratings in six environmental facility categories, six service quality categories, and four convenience services and policies.

Higher satisfaction and awareness

According to the results, 94.2 percent of respondents were satisfied with the overall service quality of the DGH's seven motor vehicle offices and 30 motor vehicles stations. The offices and stations received an average score of 85.3 points, which was a new high and 2.2 points higher than 2014.

Ten of 16 motor vehicle service categories received a satisfaction

rating of exceed 90 percent. In particular, "service and facility convenience" and "service center/counter volunteer and staff demeanor" received satisfaction ratings of 95 percent.

Through multiple promotional channels, awareness of the tire tread depth inspection policy rose by 12.3 percentage points from the previous year. This policy and the cancellation of regular driver's license renewals were especially popular with respondents.

Recommendations accepted with humility

Survey respondents were also asked to make suggestions and recommendations. Top suggestions included weekend service, quicker processing times, and additional parking facilities. The DGH will use these as reference in the future in serving the public.

a_ Here to serve the public

b_ Proactive and mobile services



a



b

Budget execution and reservation

Budget Execution

Revenues

2015 The DGH had budgeted revenue of NT\$7,994,204,000 in 2015, with receipts of NT\$9,457,975,000 and receivables of NT\$492,739,000 (6.16 percent of budgeted revenue) for a total of NT\$9,950,714,000 and a budget execution rate of 124.47 percent.

Previous Years The DGH had receivable annual revenue of NT\$574,324,000, with receipts of NT\$552,060,000 (96.12 percent of receivable annual revenue). The surplus of NT\$22,264,000 (3.88 percent of budgeted revenue) was carried forward to the following year.

Expenditures

2015 The DGH had budgeted expenditures of NT\$50,341,944,000 in 2015, with payments of NT\$44,834,282,000, accounts payable of NT\$283,000, treasury payments of NT\$1,331,731,000 (2.65 percent of budgeted expenditures) and a suspense balance of NT\$885,556,000 for a suspense balance execution rate of 93.46 percent.

Previous Years Encumbrances totaled NT\$3,286,800,000, with payments of NT\$2,547,588,000, write-offs and deductions of NT\$358,575,000 (10.91 percent of encumbrances), and a suspense balance of NT\$179,523,000 for a suspense balance execution rate of 93.88 percent.

Typhoon Morakot Post-Disaster Reconstruction Special Budget

2015 Encumbrances in 2014 totaled NT\$135,333,000 (implementation period 2009-2012), with payments of NT\$135,333,000 for an execution rate of 100 percent.

Budget Reservation

Expenditures

2015 Budgeted encumbrances totaled NT\$4,175,931,000 (8.3 percent of the budgeted amount).

Previous Years Budgeted encumbrances totaled NT\$380,637,000 (11.58 percent of encumbrances).

Total encumbrances of NT\$4,556,568,000 (8.5 percent of budgeted encumbrances) were carried forward to the following year.

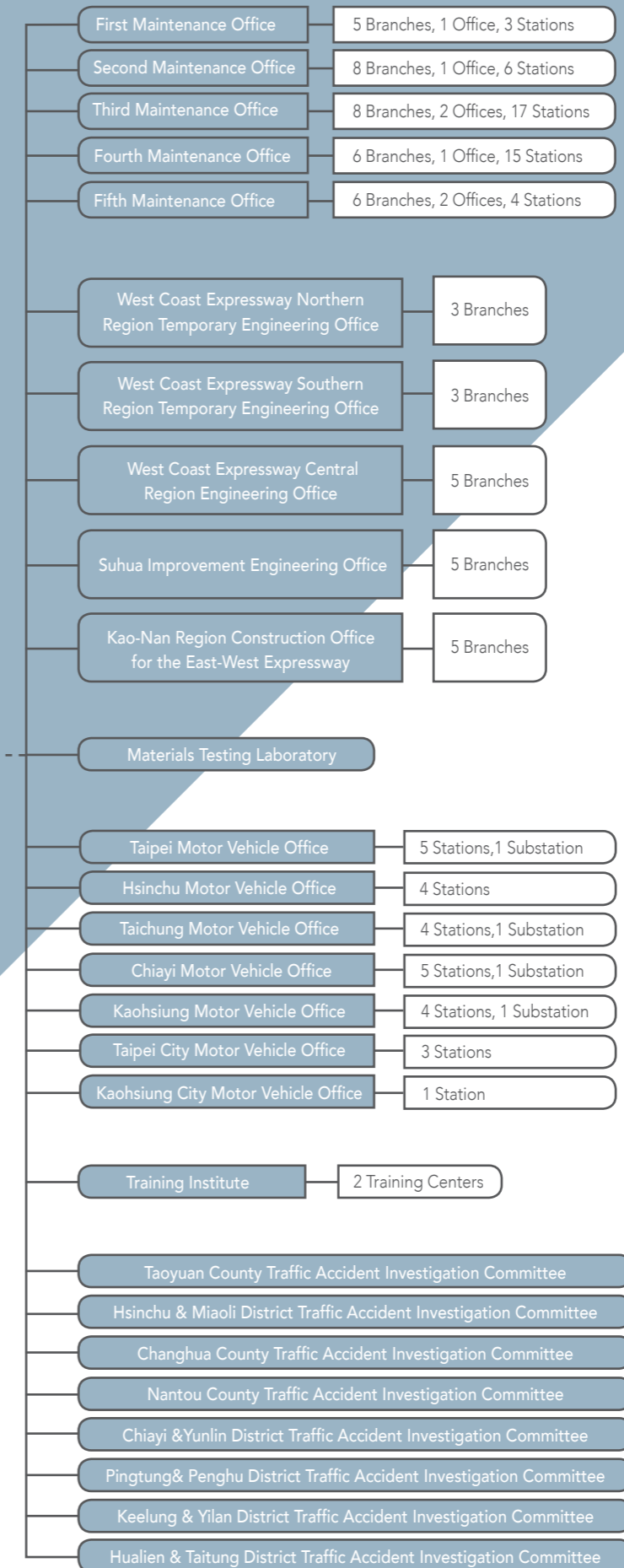
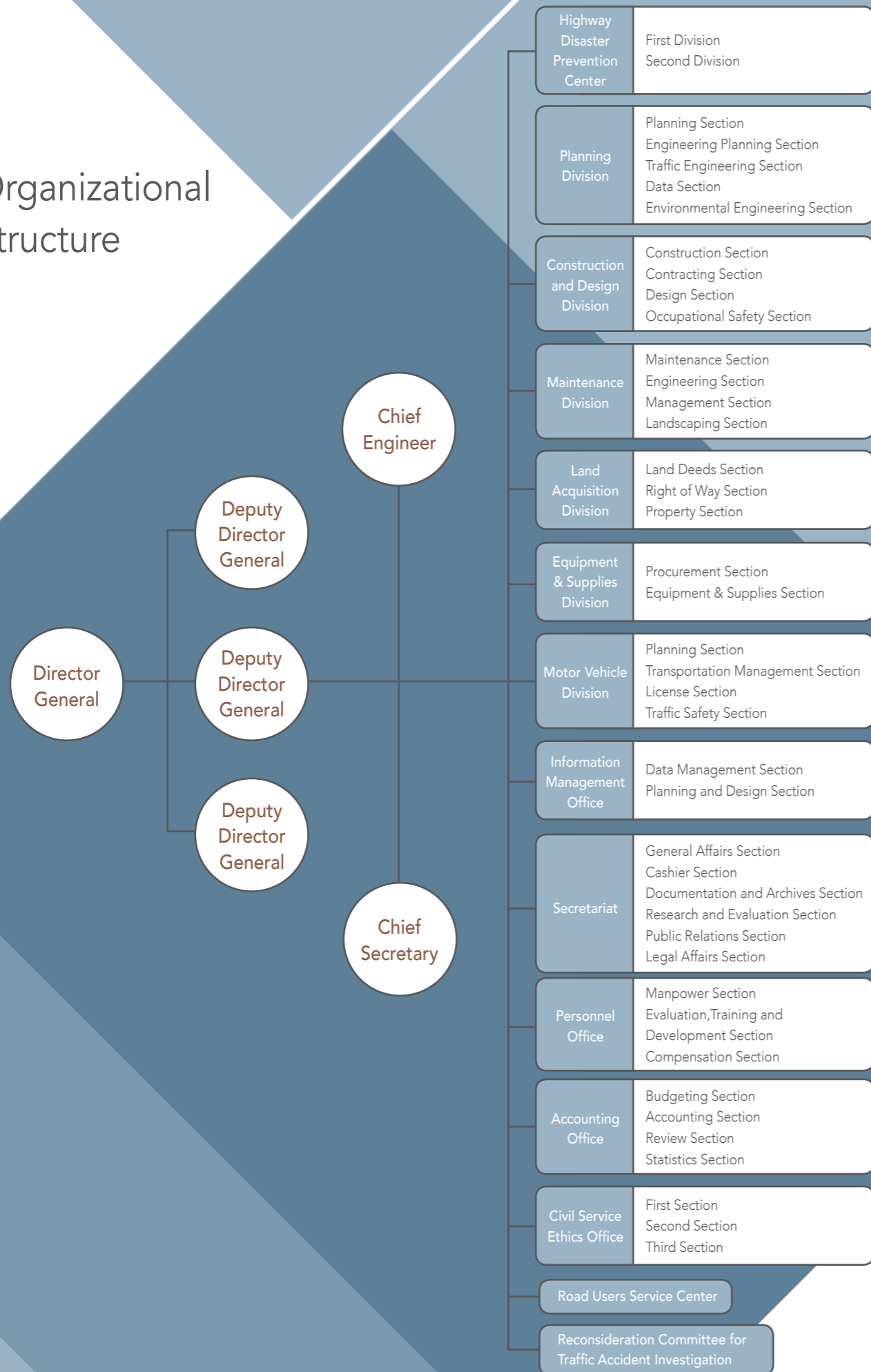


Fragrance

The Fragrance of Flowers Floats A Thousand Miles

A year's worth of hard work has come to a happy and fruitful end. The past year has been filled with large and small events, significant achievements, and important research and administrative projects. Together, they are like a majestic tree that attracts people with its subtle fragrance.

Organizational Structure



Administrative projects

Project Name	Annual Budget (NT\$1,000)	Timeframe	Supervisory Level
Follow-Up to the West Coast Expressway Continuous Construction Project	7,169,300	2009-2019	Executive Yuan
The Suhua Highway of Provincial Highway No. 9 Mountainous Section Improvement Project	6,453,920	2010-2017	Executive Yuan
East-West Expressway Construction Projects and Network Improvement Projects	434,280	2009-2016	Ministry
Management of Tsengwen, Nanhwa and Wushantou Reservoirs to Stabilize Southern Water Supplies Project (DGH Portion)	50,000	2010-2015	Ministry
Follow-Up to the South Link Highway of Provincial Highway No. 9 Widening Project	3,920,335	2011-2017	Ministry
Highway Public Transport Enhancement Project	4,492,113	2013-2016	Ministry
Highway Improvement Project	4,318,348	2013-2018	Ministry
Region-Based Road System Construction Project (Highway System)	4,709,620	2015-2018	Ministry
National Bicycle-Friendly Environment and Network Planning Project, and The Construction for Bicycle Network by MOTC Project	283,576	2015-2018	Ministry
Provincial Highway 2C Construction and Improvement Project	298,557	2008-2015	Autonomous Management
Danjiang Bridge and Connecting Roads Construction Project	153,800	2014-2020	Autonomous Management
Highway Maintenance Project	10,174,157	2015-2015	Autonomous Management
Construction of Provincial Highway Bridges Needed for Regional Drainage Regulation and Environmental Rehabilitation Projects	11,086	2015-2020	Autonomous Management
Construction of Provincial Highway Bridges Needed for the River Environment Construction Plan for Major Rivers	160,000	2015-2020	Autonomous Management

Research and development

Number	Research Project	Research Unit	Researchers
1	Study of the Use of Normal Weight Concrete in Reclaimed Asphalt Pavements (RAP)	Materials Testing Laboratory	Huang Sunn-er, Zhu Jian-dong, Zeng Zi-yan, Li Yu-sen
2	Smart Offices - Automated Monitoring and Supervision of Data Centers	Taipei Motor Vehicle Office	Wei Wu-sheng, Xu Fang-Xiang, Tseng Cong-ming, Chen Pin-qi, Wei Teng-you
3	Study of Uber Fines	Taipei City Motor Vehicle Office	Yuan Guo-chi, Lin Cui-rong, Zhang Yao-hui, Lian Si-yuan, Li Jia-xun, Chen Zheng-jun
4	Feasibility Study of Online Registration for Safe Driving Education and Training Courses	Shilin Station, Taipei City Motor Vehicle Office	Ye Shi-kun, Wang Qi-zhen, Zhou Jia-xin, Hou Yong-liang, Bai Jia-hua, Chen Yi-jun, Kang Ya-lan
5	Road Safety Education, Driver Knowledge Games	Sinying Station, Chiayi Motor Vehicle Office	He Mei-jin, Zhuang Jing-hui, Lu Wen-hao, Li Qiu-jie, Zhang Jing-yi
6	Preparatory Work for Spatial Information Management	Kaohsiung Motor Vehicle Office	Dong Qi-cheng, Huang Wan-yi, Cai Yu-ying, Zhang Zheng-xiang, Shi Zhan-hong, Guo Jun-nan
7	Establishment of License Plate Identification System for Use in Roadside Inspections	Kaohsiung Motor Vehicle Office	Huang Wan-yi, Cai Yu-ying, Zhang Zheng-xiang, Shi Zhan-hong, Luo Zhen-rui
8	Study of 30 Percent Fuel Tax Discount and Feasibility of Remote Video Vehicle Inspections for Outlying Islands	Kaohsiung Motor Vehicle Office	Dong Qi-cheng, Huang Wan-yi, Huang Jia-zhong, Wang Wen-qiang, Huang De-he, Liu Wen-da, Huang Yu-hao
9	Optimization Analysis for Scheduling of Roadside Inspection Shifts	Kaohsiung City Motor Vehicle Office	Huang Jun-qing, Yang Wen-he, Liu Yu-ying, Hou Sen-rong, Lin Wen-ya
10	Push Notification and Geographic Information System Technology Applications	Kaohsiung City Motor Vehicle Office	He Ming-yong, Chen Tang-sheng, Wang Zheng-zhe

Awards results

Number	Evaluation / Competition	Winning Agency	Result
1	Suhua Highway of Provincial Highway No. 9 Mountainous Section Improvement Project (overseen by the Executive Yuan)	Directorate General of Highways	First Class
2	East-West Expressway Construction Projects and Network Improvement Projects (overseen by the Executive Yuan)	Directorate General of Highways	First Class
3	Management of Tsengwen, Nanhwa and Wushantou Reservoirs to Stabilize Southern Water Supplies Project (DGH portion; overseen by the Executive Yuan)	Directorate General of Highways	First Class
4	Follow Up to the SouthLink Highway of Provincial Highway No. 9 Widening Project(overseen by the MOTC)	Directorate General of Highways	First Class
5	Highway Improvement Project (overseen by the MOTC)	Directorate General of Highways	First Class
6	Highway Maintenance Project (autonomous management)	Directorate General of Highways	First Class
7	2014 Transportation Mobilization Preparation and Disaster Prevention and Protection Assessment	Directorate General of Highways	First Place
8	2014 Fuel Tax Collection Performance by Motor Vehicle Supervisory Units	Directorate General of Highways	Superior
9	2014 MOTC Innovative Proposals Competition - Innovation Award for Engineering	First Maintenance Office	First Class
10	2014 Armed Forces Reservist Education and Service Training – Third Division	First Maintenance Office	Outstanding
11	2014 MOTC Bridge Maintenance and Management Evaluation (Maintenance Branch)	Fuxing Branch, First Maintenance Office	First Place
12	2014 MOTC Innovative Proposals Competition - Innovation Award for Engineering	Third Maintenance Office	First Class
13	2015 MOTC Golden Road Award –Driver Information Category	Third Maintenance Office	First Place
14	2015 MOTC Golden Road Award - Road Maintenance Category(Maintenance Office)	Fourth Maintenance Office	First Place
15	2015 MOTC Golden Road Award - Road Maintenance Category (Maintenance Branch)	Loshao Branch, Fourth Maintenance Office	First Place
16	2015 MOTC Golden Road Award –Excellent Landscaping Category(Maintenance Branch)	Dulishan Branch, Fourth Maintenance Office	First Place
17	2014 Armed Forces Reservist Education and Service Training – Third Division	Fifth Maintenance Office	Excellent
18	12nd Golden Wingspan Award	Fifth Maintenance Office	First Grade Award
19	12nd Golden Wingspan Award	West Coast Expressway Northern Region Engineering Office	First Grade Award
20	2015 Ministry of Labor Public Construction Golden Safety Award (bridge construction for Cigu River section of WH77-B tender for West Coast Expressway's Badongliao to Jiukuaicuo section)	West Coast Expressway Southern Region Engineering Office	Honorable Mention
21	2015 Ministry of Labor Public Construction Golden Safety Award (Jiukuaicuo Interchange construction of WH77-C tender for West Coast Expressway's Badongliao to Jiukuaicuo section)	West Coast Expressway Southern Region Engineering Office	Honorable Mention

Number	Evaluation / Competition	Winning Agency	Result
22	2015 MOTC Golden Road Award –Construction Excellence Category(Maintenance Office)	Kao-Nan Construction Office for the East-West Expressway	First Place
23	2014 Executive Yuan "Improvement Program for Traffic Order and Safety" Annual Inspection – Dump Truck Safety Management	Taipei Motor Vehicle Office	First Place
24	2014 Inspection of Preparatory Work to Accommodate Implementation of Transportation Mobilization	Taipei Motor Vehicle Office	Excellent
25	2014 MOTC Innovative Road Safety Contribution Award - Education and Instruction	Hsinchu Motor Vehicle Office	First Place
26	2014 MOTC Vehicle Freight Survey	Hsinchu Motor Vehicle Office	First Place
27	The 7th Government Service Quality Award from the Executive Yuan - Frontline Service Agency	Hsinchu Motor Vehicle Office	Service Quality Award
28	2014 Executive Yuan "Improvement Program for Traffic Order and Safety" Annual Inspection – Motor Vehicle Office Category 2	Taichung Motor Vehicle Office	First Place
29	2014 National Road Safety Guidance and Enhancement Program Annual Evaluation – Motor Vehicle Office and Transport Safety	Taichung Motor Vehicle Office	First Place
30	2015 Executive Yuan All-Out Defense Mobilization Response (Highway and Vehicle Mobilization)	Chiayi Motor Vehicle Office	Excellent
31	6th Innovative Road Safety Contribution Award – Project to Reduce Speeding Violations on Alishan Highway Using Event Data Recorders	Chiayi Motor Vehicle Office	First Place
32	2014 Ministry of Education Social Education and Charity Award (Group Award)	Chiayi Motor Vehicle Office	Social Education Public Service Award
33	2015 First Regular Report for Assessment of Three-in-One Initiative as Implemented by Special Municipalities, Counties and Cities (National)	Chiayi Motor Vehicle Office	First Place
34	2014 Executive Yuan Assessment of Government Mobilization in Special Municipalities, Counties and Cities (National Category B)	Chiayi Motor Vehicle Office	First Place
35	2014 National Road Safety Guidance and Enhancement Program Annual Evaluation (Group Achievement)	Chiayi Motor Vehicle Office	First Place
36	2014 MOTC Innovative Proposals Competition - Innovation Award for Management	Chiayi Motor Vehicle Office	First Class
37	2014 Annual Vehicle Noise Emission Inspection and Enforcement	Chiayi Motor Vehicle Office	First Place
38	2014 Executive Yuan "Improvement Program for Traffic Order and Safety" Annual Inspection – Motor Vehicle Office Category 1	Chiayi Motor Vehicle Office	First Place
39	2014 MOTC Annual Evaluation (Kaohsiung City; Group Achievement)	Kaohsiung Motor Vehicle Office, Kaohsiung City Motor Vehicle Office	First Place
40	2015 MOTC Innovative Proposals Competition	Kaohsiung Motor Vehicle Office	First Class Innovation Award
41	2014 Annual evaluation of motor vehicle agencies collecting vehicle fuel fees	Kaohsiung City Motor Vehicle Office	Superior
42	School and State-Run Enterprise Water-Saving Evaluation – State-Run Enterprise Production Category	Materials Testing Laboratory	Excellent

Events and Highlights

January - February

Date	Event or Highlight	Agency
Jan 4	The New Year's Day holiday transport management concludes on Jan. 4. During the holiday, 64,219 buses operated and carried 1,402,299 passengers on freeways, and 48,237 buses operated and carried 1,139,809 passengers on provincial and local highways.	Motor Vehicle Division, Planning Division
Jan 7	The Directorate General of Highways launches a bicycle highway website with detailed information on six popular cycling routes, including Taroko (Provincial Highway 8) to Wuling (Provincial Highway 14A).	Maintenance Division
Jan 9	A delegation led by the Ministry of Transportation and Communications Vehicles Mobilization Committee member Lee Tai-ming inspects Directorate General of Highways vehicles, mobilization preparations and natural disaster prevention and relief operations.	Highway Disaster Prevention Center
Jan 9	An information session for the Danjiang Bridge International Competition is held in Tokyo, Japan.	Construction and Design Division
Jan 14	An information session on the Danjiang Bridge International Competition is held in San Francisco, California.	Construction and Design Division
Jan 16	Third Maintenance Office senior engineer and Deputy Director Lin Qing-zhou is appointed director of the Third Maintenance Office following the retirement of Yang Zong-yue. The Ministry of Transportation and Communications approved the appointment in Document No. 1037103151 dated Nov. 18, 2014.	Personnel Office
Jan 16	Taichung Motor Vehicle Office Deputy Director Li Hui-hong is appointed director of the Taichung Motor Vehicle Office following the retirement of Ke Wu. The Ministry of Transportation and Communications approved the appointment in Document No. 1037101350 dated Nov. 13, 2014.	Personnel Office
Jan 16	Hsinchu Motor Vehicle Office Deputy Director Lin Yi-sheng is appointed deputy director of the Motor Vehicle Division. The Directorate General of Highways approved the appointment in Document No. 1030060208B dated Nov. 28, 2014.	Personnel Office
Jan 16	Motor Vehicle Division section chief Li Rui-ming is appointed deputy director of the Hsinchu Motor Vehicle Office. The Ministry of Transportation and Communications approved the appointment in Document No. 1037101350 dated Nov. 13, 2014.	Personnel Office
Jan 16	Senior engineer and Highway Disaster Prevention Center Executive Secretary Yan Shao-yi is appointed deputy director of the Maintenance Division following the retirement of Xu Ji-yuan. The Directorate General of Highways approved the appointment in Document No. 1030060208B dated Nov. 28, 2014.	Personnel Office
Jan 16	Senior engineer and West Coast Expressway Southern Region Temporary Engineering Office Director Lan Wei-gong is appointed director of the Land Acquisition Division following the retirement of Jian Rong-biao. The Ministry of Transportation and Communications approved the appointment in Document No. 1037101351 dated Nov. 18, 2014.	Personnel Office
Jan 16	Fifth Maintenance Office senior engineer and Deputy Director Lai Ming-huang is appointed director of the West Coast Expressway Southern Region Temporary Engineering Office. The Ministry of Transportation and Communications approved the appointment in Document No. 1037101352 dated Nov. 18, 2014.	Personnel Office

Date	Event or Highlight	Agency
Jan 16	Fifth Maintenance Office senior engineer and section chief Tsai Chang-li is appointed deputy director of the Fifth Maintenance Office. The Ministry of Transportation and Communications approved the appointment in Document No. 1037101352 dated Nov. 18, 2014.	Personnel Office
Jan 20	Senior engineer and section chief Xie Jun-xiong is appointed deputy director of the Third Maintenance Office. The Ministry of Transportation and Communications approved the appointment in Document No. 1037101352 dated Nov. 18, 2014.	Personnel Office
Jan 21	A second domestic information session for the Danjiang Bridge International Competition is held.	Construction and Design Division
Jan 23	Transport management for the Chinese New Year and 228 Memorial Day holidays was submitted to the Ministry of Transportation and Communications for reviewing, and delivered to maintenance offices and motor vehicle offices for implements.	Planning Division
Jan 27	The highway freight rate for public transport providers is reduced by 2.58 percent due to falling oil prices.	Motor Vehicle Division
Jan 27	The Ministry of Transportation and Communications organizes a conference on the Highway Public Transport Enhancement Project. Public transport experts and scholars, along with municipal senior transport officials, attended and discussed achievements in upgrading public transit options in 2014, the direction of transport plans in 2015, and offering the best service possible.	Motor Vehicle Division
Jan 30	The results of the first round of online voting for the "Top 10 'Jiong' Traffic Signs and Road Markings" were announced.	Planning Division
Jan 19 Jan 30	The Directorate General of Highways leads war games held between Jan. 19 and 30. It collaborated with maintenance offices and the Central Emergency Operation Center to create four scenarios and also took part in unscripted earthquake, typhoon and compound natural disaster drills to strengthen its four-stage natural disaster prevention and relief contingency plan.	Highway Disaster Prevention Center
Jan 22 Jan 29	The Directorate General of Highways holds seminars for vehicle emission inspectors on Jan. 22 and 29. Business owners are asked to sign pledges to run clean, honest businesses.	Civil Service Ethics Office
Feb 6	Transportation and Communications Administrative Deputy Minister Wu Meng-fen visits the Fifth Maintenance Office to inspect achievements in road maintenance and management. He encourages the office to improve its road maintenance and management performance.	Maintenance Division
Feb 17	The Chinese New Year holiday transport management concluded on Feb. 23. During the holiday, 71,371 buses operated and carried 1,623,306 passengers on western freeways; 11,890 buses operated and carried 202,546 passengers on Freeway No. 5; and 65,180 buses operated and carried 1,345,622 passengers on provincial and local highways.	Planning Division, Motor Vehicle Division
Feb 26	The 228 Memorial Day holiday transport management concluded on Mar. 1. During the holiday, 44,145 buses operated and carried 989,979 passengers on western freeways; 7,062 buses operated and carried 136,109 passengers on Freeway No. 5; and 39,262 buses operated and carried 844,867 passengers on provincial and local highways.	Planning Division, Motor Vehicle Division
Feb 26	The first stage of the transport management for Wuling Farm's cherry blossom festival ended. For the second stage, Fengyuan Bus Transportation Co. shuttle buses were arranged for individual travelers making one-day trips to Lishan.	Planning Division, Motor Vehicle Division

March - April

Date	Event or Highlight	Agency
Mar 2	The Directorate General of Highways launches its redesigned website.	Information Management Office
Mar 2 Mar 31	The second phase of "traffic signs and markings inspection campaign" was held between Mar. 2 and 31. Participants that were able to identify errors correctly in 10 traffic signs and road markings would join a raffle.	Planning Division
Mar 4	The Directorate General of Highways attends an information service industry conference organized by the Information Service Industry Association.	Information Management Office
Mar 5	GeoThings becomes the 20th organization to join the SafeTaiwan platform.	Information Management Office
Mar 5 、 Mar 13	Elementary and junior high school students visit the Dianziwo archaeological site, which is located on the West Coast Expressway(expressway 61) section betweenBaishatun and Nantongwan.	Planning Division
Mar 6	Transportation and Communications Administrative Deputy Minister Fan Chih-ku inspects construction of the viaduct on the Yuanli to Daan section of the West Coast Expressway(expressway 61).	Construction and Design Division
Mar 12	The Directorate General of Highways holds war games for senior officials to improve their decision-making and management capabilities.	Highway Disaster Prevention Center
Mar 13	Transportation and Communications Administrative Deputy Minister Fan Chih-ku inspects construction of the West Coast Expressway's Badongliao to Jiukuaicuo section, and reminds workers that sea winds may lead to construction safety issues. He also asks the Directorate General of Highways to study the feasibility of adding a bridge spanning Zengwun River to the West Coast Expressway project.	Construction and Design Division
Mar 17	The Directorate General of Highways holds a road safety conference. Experts speak on four main topics, including elderly drivers, scooters and motorcycles, cars, and bicycles. These will contribute to the promotion of the Ministry of Transportation and Communications' road safety campaign.	Motor Vehicle Division
Mar 17	Transportation and Communications Administrative Deputy Minister Fan Chih-ku inspects the progress of the A3 tender of the South-Link Highway.	Construction and Design Division
Mar 18	Transportation and Communications Administrative Deputy Minister Fan Chih-ku inspects the progress of the C2 tender of the South-Link Highway.	Construction and Design Division
Mar 19	The Tourism Bureau becomes the 21st organization to join the SafeTaiwan platform.	Information Management Office
Mar 27	The Directorate General of Highways participates in a seminar organized by the Motor Vehicle and Driver Information System and National Police Agency.	Information Management Office

Date	Event or Highlight	Agency
Mar 31	Transportation and Communications Administrative Deputy Minister Fan Chih-ku visits Suhua Highway Improvement Engineering Exhibition Hall at the Suhua Improvement Engineering Office, inspects construction progress, and talks to the Fourth Maintenance Office about the traffic mitigation plan for the Tomb Sweeping Festival holiday.	Construction and Design Division
Mar 31	Shengjing Bridge of Provincial Highway 20's is completed ahead of schedule and opens to traffic. The bridge is 163 meters long, 9 meters wide and 81 meters tall. It is the nation's third tallest provincial highway bridge.	Maintenance Division
Apr 3 Apr 6	The Tomb Sweeping Day holiday transport management was implemented between Apr. 3 and 6. During the holiday, 57,595 buses operated and carried 1,180,141 passengers on western freeways; 9,479 buses operated and carried 193,244 passengers on Freeway No. 5; and 47,778 buses operated and carried 1,086,777 passengers on provincial and local highways.	Planning Division, Motor Vehicle Division
Apr 8	The Ministry of Transportation and Communications honors Information Management Office Director Chen Shou-qiang, Fourth Maintenance Office Director Liao Wu-zhang, and Motor Vehicles Division Director Huang Ling-ting with Model Civil Servant Awards.	Personnel Office
Apr 9	Students from the Agency Against Corruption's 34th Anti-Corruption Personnel Training Class receive on-site training at the Directorate General of Highways. Courses include "Highway Disaster Prevention System Operations" and "Introduction to the Third-Generation Motor Vehicle and Driver Information System."	Civil Service Ethics Office
Apr 11	Premier Mao Chi-kuo presides over the breakthrough ceremony for Wuta Tunnel. The tunnel is part of the Suhua Highway Improvement Project and is located in the Nanao-Wuta section.	Construction and Design Division
Apr 20	Reconstruction on Provincial Highway No. 12's Shalu Bridge begins. The project will be completed before the end of 2017.	Maintenance Division
Apr 21	Minister without Portfolio and Public Construction Commission Minister Jack Hsu inspects progress on the Follow Up to the South Link Highway of Provincial Highway No.9 Widening Project.	Construction and Design Division
Apr 21	Directorate General of Highways Director-General Jaw Shing-hau hosts a flood control preparedness meeting and reviews the flood control measures of DGH divisions. During the meeting, SOPs are established for earthquakes and severe weather. Thirty-nine anti-flood drills and training workshops are also held.	Highway Disaster Prevention Center
Apr 23	The Directorate General of Highways launches its "FunReading" Facebook page in support of a Ministry of Transportation and Communications reading initiative.	Motor Vehicle Division
Apr 27	A delegation from the Control Yuan's Communication and Procurement Affairs Standing Committee visits the Suhua Highway Improvement Engineering Exhibition Hall.	Construction and Design Division
Apr 30	The Academia Sinica's Institute of Information Science becomes the 22nd organization to join the SafeTaiwan platform.	Information Management Office

May - June

Date	Event or Highlight	Agency
May 5	The 1B tender of the second phase of the project to extend the intersection of Provincial Highway 31 and Provincial Highway 66 to Provincial Highway 1 is completed.	Construction and Design Division
May 6	A launch ceremony is held at the Ministry of Transportation and Communications for the mobile version of the Third-Generation Motor Vehicle and Driver Information System. In attendance are Premier Mao Chi-kuo, Transportation and Communications Political Deputy Minister Tseng Dar-jen, and officials from the Ministry of Finance and Ministry of the Interior.	Motor Vehicle Division
May 9	To improve the subsidence situation along the Yunlin section of the high speed rail, the Directorate General of Highways starts reconstruction along Provincial Highway 78's Tuku section (22K+573-22K+840). Work is completed on May 7, and the road reopens on May 9.	Maintenance Division
May 10	The Yancheng Interchange, located at the Badongliao to Jiukuaicuo section and part of the Follow-Up to the West Coast Expressway Continuous Construction Project, is completed.	Construction and Design Division
May 11	The B4 bridge tender on Provincial Highway No. 9's Suhua Highway-Heping section is completed.	Construction and Design Division
May 22	The third phase of "Traffic signs and road markings inspection campaign" was held, launched in the form of an online quiz that tests the public's knowledge of traffic signs and road markings.	Planning Division
May 24	Breakthrough is achieved for northbound tunnel face NN5 of Gufeng Tunnel (B3 tender).	Construction and Design Division
May 25	Breakthrough is achieved for the northbound tunnel face of Wuta Tunnel (B1 tender).	Construction and Design Division
May 25	The Ministry of Transportation and Communications announces its new "Top 10 Spectacular Routes" poll. In attendance are representatives from the MOTC, National Joint Association of Bus for Tourists, and Directorate General of Highways.	Motor Vehicle Division
May 27	A delegation of Examination Yuan ministers without portfolio visits the Directorate General of Highways to learn about highway disaster prevention and early warning mechanisms.	Highway Disaster Prevention Center
May 29	Kao-Nan Region Construction Office for the East-West Expressway Deputy Director Chen Bao-zhan is appointed deputy director of the West Coast Expressway Southern Region Temporary Engineering Office following the transfer of Su Wen-qi to the deputy director position at the Kao-Nan Region Construction Office for the East-West Expressway. The Ministry of Transportation and Communications approved the appointment in Document No.1047100701 dated May 27, 2015.	Personnel Office
May 29	West Coast Expressway Southern Region Temporary Engineering Office Deputy Director Su Wen-qi is appointed deputy director of the Kao-Nan Region Construction Office for the East-West Expressway. The Ministry of Transportation and Communications approved the appointment in Document No.1047100701 dated May 27, 2015.	Personnel Office

Date	Event or Highlight	Agency
Jun 1	Bus routes revised to serve university campuses become operational.	Motor Vehicle Division
Jun 2	Kaohsiung Motor Vehicle Office Director Chen Cong-qian is appointed director of the Taipei Motor Vehicle Office following the retirement of Lu Bi-zong. The Ministry of Transportation and Communications approved the appointment in Document No.1047100534 dated May 1, 2015.	Personnel Office
Jun 2	Kaohsiung City Motor Vehicle Office Director Dong Qi-cheng is appointed director of the Kaohsiung Motor Vehicle Office. The Ministry of Transportation and Communications approved the appointment in Document No. 1047100534 dated May 1, 2015.	Personnel Office
Jun 3	Retired officials tour the Suhua Highway Improvement Engineering Exhibition Hall and the Fourth Maintenance Office's Mountain Highway Museum.	Construction and Design Division
Jun 8	The Hsinchu Motor Vehicle Office is honored with the Executive Yuan Government Service Quality Award for frontline service agency.	Secretariat
Jun 8	A 24-7 service hotline is launched to answer road users' questions on Directorate General of Highways operations and improve administrative efficiency.	Road Users Service Center
Jun 19 Jun 22	During the Dragon Boat Festival holiday between June 19 and 22, the travel time for both Provincial Highway No. 2 and No. 9 in Yilan area had been predicted and provided for road users. The real-time traffic information showed on six vehicles with CMS along Provincial Highway No.2 and No. 9, and performed well.	Planning Division
Jun 22	The Dragon Boat Festival holiday transport management were implemented between June 19 and 22. During the holiday, there were an average of 11,294 buses operated and carried 230,593 passengers on western freeways; 1,859 buses operated and carried 36,415 passengers on Freeway No.5; and 10,840 buses operated and carried 251,307 passengers on provincial and local highways per day.	Motor Vehicle Division
Jun 23	Directorate General of Highways Director-General Jaw Shing-hau inspects progress on sections A and B of the Suhua Highway Improvement Project.	Construction and Design Division
Jun 24	A prize draw for the third phase of "traffic signs and road markings inspection campaign" was held.	Planning Division
Jun 27	The section of the West Coast Expressway(expressway 61) between Jiangjun Interchange and Cigu Interchange opens to traffic	Construction and Design Division
Jun 30 Jul 5	The Directorate General of Highways participates in a special exhibition on weather and transportation organized by the Central Weather Bureau for its 74th anniversary celebrations. DGH contributions include a 3D weather exploration experience zone, an interactive traffic signs and road markings game, and educational panels and posters.	Highway Disaster Prevention Center, Planning Division

July- August

Date	Event or Highlight	Agency
Jul 1	Test centers begin using the newly-expanded scooter license written exam question databank, which now has 1,600 questions.	Motor Vehicle Division
Jul 9	Transportation and Communications Administrative Deputy Minister Fan Chih-ku inspects the Directorate General of Highways' Highway Disaster Prevention Center. Deputy Chief Engineer Chen Jin-fa gives a presentation on national disaster prevention and preparedness.	Highway Disaster Prevention Center
Jul 16	The results of the Top 10 Spectacular Routes poll are announced. Special deal tour packages are also launched for the routes. Over 3.2 million netizens, a threefold increase from the previous year, cast votes.	Motor Vehicle Division
Jul 16	DGH Deputy Chief Engineer Zhang Yun-hong is appointed chief engineer following the retirement of Wu Jin-xing. The Ministry of Transportation and Communications approved the appointment in Document No. 1047100627, dated May 15, 2015.	Personnel Office
Jul 16	Construction and Design Division Director Deng Wen-guang is appointed deputy chief engineer after Zhang Yun-hong is promoted to chief engineer. The Ministry of Transportation and Communications approved the appointment in Document No. 1047100627, dated May 15, 2015.	Personnel Office
Jul 16	Motor Vehicle Division Director Lin Fu-shan is appointed deputy chief engineer following the retirement of Huang Kai-ping. The Ministry of Transportation and Communications approved the appointment in Document No. 1047100627, dated May 15, 2015.	Personnel Office
Jul 18	A launch ceremony is held for Provincial Highway 20's Taoyuan First Bridge. The bridge is 298 meters long and 10 meters wide. It has one single 85-meter pier, which is the nation's third highest bridge pier.	Maintenance Division
Jul 22	Motor vehicle offices begin issuing new heavy-duty motorcycle license plates that are smaller than their predecessor.	Motor Vehicle Division
Jul 22	The first prize draw is held for the 5.01 million motorists that paid their scooter and motorcycle fuel tax before the deadline. Ten lucky winners win new scooters, and 420 additional prizes are handed out.	Motor Vehicle Division
Jul 31	The Directorate General of Highways kicks off its 69th anniversary celebrations with the opening of the Taiwan Highway Museum. In attendance are Ministry of Transportation and Communications Department of General Affairs Director Wu Hui-ling and former Transportation and Communications Political Deputy Minister George S.Y. Chen.	Personnel Office

Date	Event or Highlight	Agency
Aug 3	A breakthrough ceremony is held for the first southbound section of Guanyin Tunnel.	Construction and Design Division
Aug 3	The Taiwan Highway Museum opens to the public. It is a place where cultural preservation, exchange, and innovation meet.	Road Users Service Center
Aug 11 Aug 12	The jury of the Danjiang Bridge International Design Competition selects Sinotech Engineering Consultants and Leonhardt Andra und Partner's submission as the winner of the competition.	Construction and Design Division
Aug 18	At the 2015 International Bridge Conference, Taiwan Railways Administration commends Transportation and Communications Administrative Deputy Minister Fan Chih-ku for his disaster prevention work. A delegation led by TRA Chief Engineer Huang Shi-fang visits the Directorate General of Highways' Highway Disaster Prevention Center. Deputy Chief Engineer Chen Jin-fa gives a tour and explains how the highway disaster prevention system and early warning mechanisms function.	Highway Disaster Prevention Center
Aug 24	Minister without Portfolio and Public Construction Commission Minister Jack Hsu inspects construction on the West Coast Expressway's Daan-Dajia viaduct.	Construction and Design Division
Aug 25	Directorate General of Highways Deputy Director Hsia Ming-sheng presides over the second prize draw for motorists that paid their fuel tax before the deadline. Ten lucky winners win scooters, and 420 additional prizes are handed out.	Motor Vehicle Division
Aug 26	The Golden Road Awards are held to recognize the contributions of Directorate General of Highways employees and encourage them to strive for excellence as they work to improve the experience of road users.	Maintenance Division
Aug 29	The Hualien Railway Culture Park inaugurates special exhibitions on the Suhua Highway Improvement Project and public transport and highways in eastern Taiwan.	Motor Vehicle Division
Aug 31	The first, second and third place winners of a highway bus route planning competition are announced at the GIS MOTC Convention Center. The winning plans will be submitted to local transport providers to improve services.	Motor Vehicle Division

September - October

Date	Event or Highlight	Agency
Sep 1	The Directorate General of Highways launches its new document system.	Information Management Office
Sep 2	Excavation work on an archaeological site begins at the 56K+140-320 (WH10-A) tender section of the West Coast Expressway(expressway 61).	Construction and Design Division
Sep 2	Transportation and Communications Administrative Deputy Minister Fan Chih-ku inspects the north entrance of Suao Tunnel.	Construction and Design Division
Sep 9	The 2nd Suhua Highway Improvement Engineering Technology Forum is held.	Construction and Design Division
Sep 19 Sep 25	Top entries from the Danjiang Bridge International Competition are exhibited at the Bali Activity Center.	Construction and Design Division
Sep 22	The Suhua Improvement Engineering Office surveys the A3 tender of the Suhua Highway Improvement Project, a Golden Quality Award finalist.	Construction and Design Division
Sep 23	Design work on Danjiang Bridge's main section begins.	Construction and Design Division
Sep 24	The Yangmei-Hukou section of Provincial Highway 31 is inaugurated and officially opens to traffic at 2 p.m.	Construction and Design Division
Sep 24	Transport management for the the Mid-Autumn Festival and National Day holidays was submitted to the Ministry of Transportation and Communications for reviewing on Sept. 2nd, and delivered to maintenance offices and motor vehicle offices for implements.	Planning Division
Sep 24	An interview with Information Management Office Director Chen Shou-qiang is published in iThome magazine's CIO Talk column.	Information Management Office
Sep 25	A delegation from the corporate headquarters of Japanese company Fujitsutours the Directorate General of Highways. Information Management Office Director Chen Shou-qiang provides an introduction to the SafeTaiwan platform.	Information Management Office
Sep 25 Sep 29	The Mid-Autumn Festival holiday transport management concluded on Sept. 29. During the holiday (Sept. 25 to 28), there were an average of 10,148 buses operated and carried 229,683 passengers on western freeways; 1,723 buses operated and carried 36,669 passengers on Freeway No.5; and 10,080 buses operated and carried 213,151 passengers on provincial and local highways per day.	Motor Vehicle Division

Date	Event or Highlight	Agency
Sep 29	During the Mid-Autumn Festival holiday (Sept. 25 to 28), a "cruise-style" shuttle bus pilot program is launched in Yilan. The shuttles make 16 runs and transport 218 passengers during the holiday for a passenger load factor of 44.3 percent.	Motor Vehicle Division
Oct 1	A mileage log function is added to the Motor Vehicle and Driver Information Service mobile phone app.	Motor Vehicle Division
Oct 8	Reconstruction on Provincial Highway 9's Jishan Bridge begins.The NT\$126.89 million bridge will be 117 meters long and 20 meters wide, and will be completed in January 2017.	Maintenance Division
Oct 12	The National Day holiday traffic mitigation plan concludes on Oct. 12. During the holiday (Oct. 8 to 11), there are an average of 11,532 bus runs transporting 251,731 passengers on western freeways; 1,917 bus runs transporting 36,726 passengers on National freeway 5; and 10,748 bus runs transporting 231,338 passengers on provincial and local highways per day.	Motor Vehicle Division
Oct 12	To relieve congestion on National Highway 5 and in the Yilan area during the National Day holiday (Oct. 8 to 11), the Directorate General of Highways again offers "cruise-style" shuttle services that stop at tourist attractions in Taipei and Yilan. The buses make 26 runs and transport 426 passengers during the holiday for a passenger load factor of 54.6 percent.	Motor Vehicle Division
Oct 22	The Highway Disaster Prevention Center's integration of accumulated precipitation charts with its automatic warning system for high-risk road sections, and precipitation data with its bridge and valley precipitation early warning system, win the First Class Innovation Award and the Creativity Award, respectively, in the Ministry of Transportation and Communications' 2015 Innovative Proposals Competition.	Highway Disaster Prevention Center
Oct 27	Fourth Maintenance Office station chief Lin Ying-da, Highway Disaster Prevention Center unit Director Lai Jia-sheng, Information Management Office senior engineer Lin Ping-jing, Motor Vehicle Division section chief Feng Jing-man, Maintenance Division assistant engineer Zhang Yan-wei, Kaohsiung Motor Vehicle Office clerk Xu Jing-sui, Fifth Maintenance Office branch Director Lai Shi-bao, West Coast Expressway Northern Region Temporary Engineering Office Deputy Director Xin Yuan-fa, West Coast Expressway Central Region Temporary Engineering Office section chief Ye Shu-yuan, Construction and Design Division associate engineer Lai Hui-jing, Taipei Motor Vehicle Office Director Xu Fang Ri-zang, Third Maintenance Office Deputy Branch Director Hu Jie-xin, Taipei Motor Vehicle Office station chief Wang Dun-tao, Suhua Improvement Engineering Office Deputy Director Li Zong-ren, and Accounting Office section chief Xie Pei-peï receive the Directorate General of Highways' 2015 Outstanding Public Servant Award at an executive meeting.	Personnel Office

November - December

Date	Event or Highlight	Agency
Nov 4	Twenty-four existing highway bus routes are adjusted to serve Miaoli, Changhua and Yunlin's new high speed rail stations. Although trains don't start running until December, the stations open to tours and begin selling pre-sale tickets on Nov. 4.	Motor Vehicle Division
Nov 8	The premier inspects the new Yuanlin Canal to Xibin Bridge section of the West Coast Expressway(expressway 61).	Construction and Design Division
Nov 9	The first meeting to discuss transport managements for Wuling Farm's 2016 cherry blossom season was held. Officials decided to follow the same managements implemented in 2015. There were also further discussions on personnel deployment at traffic checkpoints, the location of tour group checkpoints, adding a Huanshan stop to the Lishan shuttle bus route, and launching a two-day bus route.	Planning Division
Nov 9	Materials Testing Laboratory Director Huang Sunn-er is appointed director of the Construction and Design Division after Deng Wen-guang is promoted to deputy chief engineer. The Ministry of Transportation and Communications approved the appointment in Document No. 1047101446,dated Nov. 5, 2015.	Personnel Office
Nov 9	Construction and Design Division Deputy Director He Hong-wen is appointed director of the Materials Testing Laboratory. The Ministry of Transportation and Communications approved the appointment in Document No. 1047101446,dated Nov. 5, 2015.	Personnel Office
Nov 9	Taipei City Motor Vehicle Office Director Chen Cong-qian is appointed director of the Motor Vehicles Division after Lin Fu-shan is promoted to deputy chief engineer. The Ministry of Transportation and Communications approved the appointment in Document No. 1047101446,dated Nov. 5, 2015.	Personnel Office
Nov 9	Senior administrative officer Yuan Guo-zhi is appointed director of the Taipei City Motor Vehicle Office. The Ministry of Transportation and Communications approved the appointment in Document No. 1047101446,dated Nov. 5, 2015.	Personnel Office
Nov 9	Taichung Motor Vehicle Office Deputy Director Li Ying-dang is appointed director of the Secretariat after Wu Pei-rong is promoted to senior administrative officer. The Ministry of Transportation and Communications approved the appointment in Document No. 1047101446,dated Nov. 5, 2015.	Personnel Office
Nov 10	Provincial Highway 19A's Xinhua Outer Ring Road opens to traffic. The road is 6.1 kilometers long and 30 meters wide, with four fast lanes and two slow lanes.	Maintenance Division
Nov 12	Amendments to regulations governing license plate number selection and bidding passed on Oct. 29 are promulgated.	Motor Vehicle Division
Nov 14	Breakthrough is achieved for the northbound section of Guanyin Tunnel (B2 tender).	Construction and Design Division
Nov 20	Special deal travel packages for Taiwan's Top 10 Spectacular Routes are included in the government's economic stimulus package. One of the offers is "buy an adult ticket, get a child or senior ticket free."	Motor Vehicle Division
Nov 20	Construction and Design Division section chief Wang Ling-yao and Fifth Maintenance Office section chief Guo Qing-shui are recognized by the president for their work on post-Typhoon Morakot reconstruction and commended during a Directorate General of Highways executive meeting.	Personnel Office
Nov 23	A monument dedicated to Wu Jin-wen, a Directorate General of Highways section chief who died in the line of duty, is relocated and rededicated.	Construction and Design Division

Date	Event or Highlight	Agency
Nov 25	Transportation and Communications Political Deputy Minister Tseng Dar-jen inspects progress on the C2 tender of the South-Link Highway.	Construction and Design Division
Nov 27	Taichung Motor Vehicle Office Changhua Station stationmaster Zheng Fang-tian is appointed deputy director of the Taichung Motor Vehicle Office. The Ministry of Transportation and Communications approved the appointment in Document No. 1047101446,dated Nov. 5, 2015.	Personnel Office
Nov 27	Taichung Motor Vehicle Office Changhua Station stationmaster Wang Xian-wen is concurrently appointed director of the Changhua County Traffic Accident Investigation Committee after Zheng Fang-tian is promoted to deputy director of the Taichung Motor Vehicle Office. The Ministry of Transportation and Communications approved the appointment in Document No. 1047101597, dated Nov. 24, 2015.	Personnel Office
Nov 30	The Directorate General of Highways auctions off 15 license plates beginning with popular letter combination "BMW."	Motor Vehicle Division
Nov 30	The Directorate General of Highways completes its 2014 Corporate Sustainability Report. The report details the DGH's commitment to providing a sustainable and safe highway environment as well as its contributions to the economy, environment and society in 2014.	Secretariat
Dec 2	The first stage of subgrade expansion work for Provincial Highway 9 235K+525-237K+490 is completed.	Construction and Design Division
Dec 14	Directorate General of Highways Director-General Jaw Shing-hau inspects grade separation work at the point where Provincial Highway 66 crosses over three roads.	Construction and Design Division
Dec 14	Directorate General of Highways Director-General Jaw Shing-hau inspects progress on the Guanyin to Fenggang section (WH09-1, WH10-A and WH10-B) of the West Coast Expressway(expressway 61).	Construction and Design Division
Dec 16	A delegation led by Hongey Chen, the director of the National Science and Technology Center for Disaster Reduction, visits the Highway Disaster Prevention Center. Deputy Chief Engineer Chen Jin-fa gives a tour and introduction to systems and facilities including system tool installations, response center hardware and software, and control systems. The visit concludes with an exchange on highway disaster prevention and discussion on promoting the center's early warning mechanisms.	Highway Disaster Prevention Center
Dec 25	National Taiwan University of Science and Technology professor Liao Hung-jiun and students from his "Landslides and Remedial Measures" course visit the Highway Disaster Prevention Center. Deputy Chief Engineer Chen Jin-fa gives a tour and leads a discussion and exchange on topics including the past experiences of the center and highway disaster prevention. The exchange is aimed at planting the roots of disaster prevention concepts.	Highway Disaster Prevention Center
Dec 28	The Beigang-National Palace Museum Southern Branch- Chiayi High Speed Rail Station highway route opens to traffic in concert with the opening of the National Palace Museum Southern Branch.	Motor Vehicle Division
Dec 30	A press conference for the start of "Cycling Route No. 1" was held.	Planning Division
Dec 30	National Taiwan University of Science and Technology professor Cheng Ming-yuan and Ministry of Transportation and Communications Institute of Transportation, Harbor and Marine Technology Center Director Chiu Yung-fang visit the Highway Disaster Prevention Center. Deputy Chief Engineer Chen Jin-fa speaks with them about future objectives and demonstrates the center's early warning system. The three experts also exchange opinions on the future direction of the decision support system.	Highway Disaster Prevention Center

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