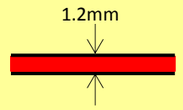
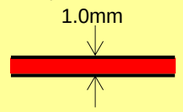
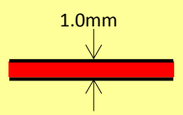
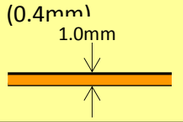
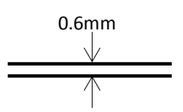
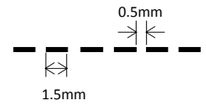
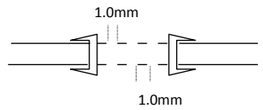
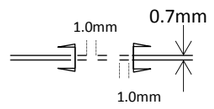
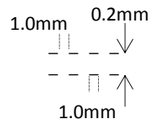
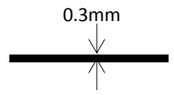
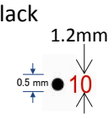
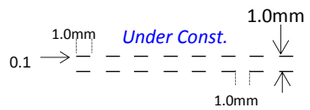
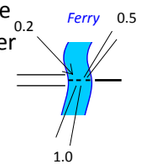
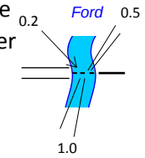
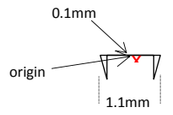
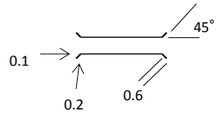
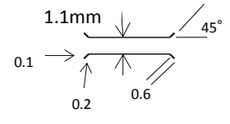
Map symbols for 1:10,000 scale Digital Topographic Map

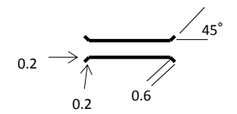
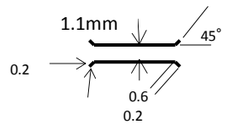
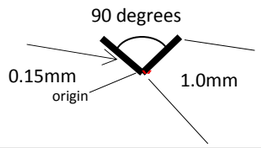
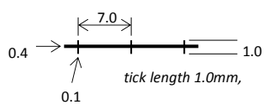
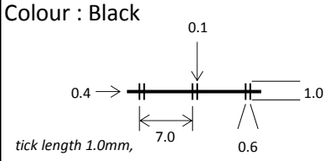
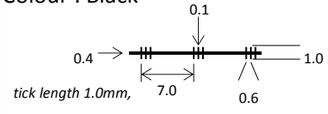
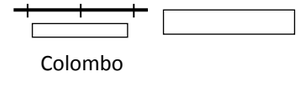
Survey Department

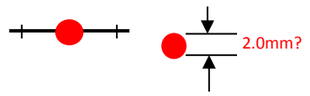
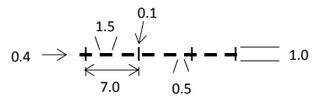
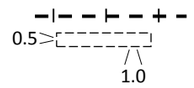
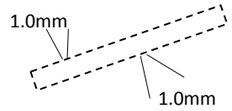
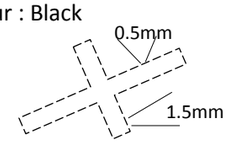
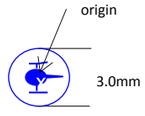
2.0 TRANSPORTATION, Roads

No.	Feature Class	Data Class	Feature Name	Data Type	Definition	Acquisition criterion	Data Acquisition method	Symbol (Shape and Size)
	Transportation, Roads	Road	Expressway (at scaled)	line	A wide road (more than 30m width) for high speed transportation.	All the expressway should be plotted.	Data will be acquired from RDA. The edge of expressway shall be plotted. The part of underground willbe shwon with hidden lines.	Colour : Black (0.2mm), Red
	Transportation, Roads	Road	Expressway (symbol)	line	A wide road (less than 30m width) for high speed transportation.	All the expressway should be plotted.	Data will be acquired from RDA. The centre of expressway shall be plotted. The part of underground willbe shwon with hidden lines.	Colour : Black (0.2mm), Red (0.6mm) 
	Transportation, Roads	Road	Main Road (A)	line	A main road (A) is defined by RDA.	All the main road (A) should be plotted.	Data will be acquired from RDA. The centre of main road (A) shall be plotted. The part of underground will be shown with hidden lines.	Colour : Black (0.1mm), Red (0.5mm) 
	Transportation, Roads	Road	Main Road (B)	line	A main road (B) is defined by RDA.	All the main road (B) should be plotted.	Data will be acquired from RDA. The centre of main road (B) shall be plotted. The part of underground will be shwon with hidden lines.	Colour : Black (0.1mm), Red (0.5mm) 
	Transportation, Roads	Road	Secondary/ Minor Road	line		All the Secondary/minor Road should be plotted.	Data will be acquired by the photo interpretation. The centre of secondary/minor road shall be plotted.	Colour : Black (0.1mm), Orange (0.4mm) 
	Transportation, Roads	Road	Jeep/Car Track	line		All the Jeep/Car Track should be plotted.	Data will be acquired by photo interpretation. The centre of jeep/car track shall be plotted. The part of underground will be expressed with hidden lines.	Colour : Black (0.1mm) 

No.	Feature Class	Data Class	Feature Name	Data Type	Definition	Acquisition criterion	Data Acquisition method	Symbol (Shape and Size)
	Transportation, Roads	Road	Footpath	line		The footpath more than 100m or to connected the other road should be plotted.	Data will be acquired by the photo interpretation and the field verification. The centre of footpath shall be plotted. The part of underground is hidden lines.	Colour : Black 
	Transportation, Roads	Road	Road Underground (at scale)	line		The underground road (at scale) more than 30m long should be plotted.	Data will be acquired by photo interpretation and the field verification. The edge of underground road (at scale) shall be plotted.	Colour : Black (0.1mm) 
	Transportation, Roads	Road	Road Underground (Symbol)	line		The underground road more than 30m long should be plotted.	Data will be acquired by photo interpretation and the field verification. The centre of underground road (symbol) shall be plotted.	Colour : Black (0.1mm) 
	Transportation, Roads	Road	Pedestrian Crossing (Underground)	line	A underground pass for pedestrian.	The major pedestrian crossing (underground) should be plotted.	Data will be acquired by photo interpretation and field identification. The centre of pedestrian crossing (underground) shall be plotted.	Colour : Black (0.1mm) 
	Transportation, Roads	Road facility	Road Island (separator) 道路分離帯	line	A raised road part in the middle of the road, separater at the center of the road,	The road island (separator) more than 100m long and 4m width should be plotted.	Data will be acquired by the photo interpretation/field verification. The centre of separator shall be plotted.	Colour : Black 
	Transportation, Roads	Road facility	Kilometre Post	point	The Markers at every 1.0km from the origin of each main road appointed by RDA.	The only existing kilometre posts will be plotted.	Data will be acquired by the field verification. The centre of Kilometre post shall be plotted.	Colour : Black 

No.	Feature Class	Data Class	Feature Name	Data Type	Definition	Acquisition criterion	Data Acquisition method	Symbol (Shape and Size)
	Transportation, Roads	Road facility	Road, Under Construction	line	The place where a road is under construct more than 100m long ranged.	The under construction road more than 100m long and 10m width should be plotted.	Data will be acquired by the photo interpretation/field verification.	Colour : Black Blue  (Gothic Italic 1.2mm)
	Transportation, Roads	Road facility	Ferry	line	A route of boat that carries people or goods across a river.	All ferries should be plotted.	Data will be acquired by the photo interpretation/field verification. The route of ferry shall be plotted.	Colour : Black, Blue (height of character is 1.2mm) 
	Transportation, Roads	Road facility	Ford	line	A route in a river that is not deep, so that you can walk or drive across.	The ford more than 100m long should be plotted.	Data will be acquired by the photo interpretation/field verification. The route of ford shall be plotted.	Colour : Black, Blue (height of character is 1.2mm) 
	Transportation, Roads	Road facility	Tunnel/Pit Mouth (at scaled)	line	A tunnel including Pit Mouth is a place of mouth for tunnel for the road expressed with at scaled width.	All the tunnel/Pit Mouth for the road should be plotted at scale.	Data will be acquired by the photo interpretation/field verification. The edge of tunnel/pit mouth shall be plotted.	Colour : Black
	Transportation, Roads	Road facility	Tunnel/Pit Mouth (Symbol)	point	A tunnel including pit mouse is a place of mouth for tunnel for a symbol road.	All the tunnel/Pit Mouth for a symbol road should be plotted.	Data will be acquired by the photo interpretation/field verification. The centre of tunnel/pit mouth shall be plotted.	Colour : Black 
	Transportation, Roads	Road facility	Bridge (at scaled)	line	A structure built over a river that allows people or vehicles to cross from one side to the other.	All the bridge for width road will be plotted at scale.	Data will be acquired by the photo interpretation/field verification. The edge of bridge shall be plotted.	Colour : Black 
	Transportation, Roads	Road facility	Bridge (Symbol)	line	A structure built over a river that allows people or vehicles to cross from one side to the other.	The bridge less than 20m long and 3m width for symbol road should be plotted.	Data will be acquired by the photo interpretation/field verification. The centre of bridge shall be plotted.	Colour : Black 

No.	Feature Class	Data Class	Feature Name	Data Type	Definition	Acquisition criterion	Data Acquisition method	Symbol (Shape and Size)
	Transportation, Roads	Road facility	Overpass, Flyover (at scaled) 道路、鉄道の立体交差部	line	A structure built over a road or a railway that allows people or vehicles to cross from one side to the other.	All the overpass, flyover for width road should be plotted at scale.	Data will be acquired by the photo interpretation/field verification. The edge of overpass, flyover shall be plotted.	Colour : Black 
	Transportation, Roads	Road facility	Overpass, Flyover (Symbol)	line	A structure built over a road or a railway that allows people or vehicles to cross from one side to the other.	The overpass, flyover less than 20m long and 3m width for symbol road should be plotted.	Data will be acquired by the photo interpretation/field verification. The centre of overpass, flyover shall be plotted.	Colour : Black 
	Transportation, Roads	Road facility	Culvert	point	A water pipes pass through under crossing the road.	All culverts should be plotted.	Data will be acquired by photo interpretation/field verification. The centre of entrance or exit of culvert shall be plotted.	Colour : Black 
	Transportation, Roads	Railway	Railway single track	line	Active single truck railways.	All the railway single track should be plotted.	Data will be acquired by the photo interpretation/field verification. The centre of tracks shall be plotted.	Colour : Black 
	Transportation, Roads	Railway	Railway double track	line	Active double truck railways.	All the railway double track should be plotted.	Data will be acquired by the photo identification/field verification. The centre of two sets of tracks shall be plotted.	Colour : Black 
	Transportation, Roads	Railway	Railway more than double track	line	More than double track railways.	All the railway more than double track should be plotted.	Data will be acquired by the photo interpretation/field verification. The centre of each tracks shall be plotted.	Colour : Black 
	Transportation, Roads	Railway	Railway Platform	polygon	A raised concrete structure for the passengers to get on or get off a train.	The railway platform more than 50m long should be plotted at scale.	Data will be acquired by photo interpretation. The edge of railway platform shall be plotted.	Colour : Black (0.1mm) 

No.	Feature Class	Data Class	Feature Name	Data Type	Definition	Acquisition criterion	Data Acquisition method	Symbol (Shape and Size)
	Transportation, Roads	Railway	Railway Halt	point	A place where the train stops or pause.	All the railway halts should be plotted.	Data will be acquired by the field verification. The centre of railway halt shall be plotted.	Colour : Red 
	Transportation, Roads	Railway	Abandoned Railway	line	Railway that dose not exist or abandoned.	All the abandoned railways should be expressed	Data will be acquired by field identification/verification. The centre of railway track shall be plotted.	Colour: Black 
	Transportation, Roads	Railway	Abandoned Station	polygon	Station that does not exist or abandoned.	All the abandoned stations should be expressed.	The edge of railway platform shall be plotted.	Colour: Black 
	Transportation, Roads	Aviation	Taxiway	polygon	The space for the aircraft access from runway to terminal or vise versa.	All the taxiway should be plotted.	Data will be acquired by the photo interpretation. The edge of taxiway shall be plotted. The direction of plotting is the clockwise.	Colour : Black 
	Transportation, Roads	Aviation	Runway	polygon	The hard surface like a road which airplane take off and land.	All the runaway should be plotted.	Data will be acquired by the photo interpretation. The edge of runaway shall be plotted. The direction of plotting is the clockwise.	Colour : Black 
	Transportation, Roads	Aviation	Helicopter Pad	point	A port for the helicopters lnding and take-off, on the ground or on top of a building.	All the helicopter pad should be plotted.	Data will be acquired by photo interpretation. The centre of helicopter pad shall be plotted.	Colour : Blue