

AR Sandbox for OSU Civil Construction Engineering
2.0

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Chapter 1

Class Index

1.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Edge	The Edge class stores Network Road and Lane information and builds roads (Edges) for SUMO networks	??
Intersection	??
IntEvent	??
Junction	Junction class represents road network intersection	??
Lane	A struct representing a Sumo Network Lane	??
MarkerAction	Used to provide functionality to a marker. This script should only be attached to an Image Target	??
MarkerChangeIntersection	??
MarkerManager	Provides global management and functionality for markers. There should only be one MarkerManager in the scene	??
MarkerSetWorkZone	Allows a marker to set a lane as a work zone. This script should only be attached to an Image Target with a MarkerAction component	??
Poly	Poly struct holds polygon data that represents arbitrary network shapes	??
ProjectionData	Projection Data class stores and creates a simulation networks terrain	??
Road	A struct representing a Sumo Network Edge	??
Structure	Structure class stores and builds all simulation network buildings and Points of Interest	??
SumoCreator	SumoCreator class is used for creating Open Street Map networks with SUMO's OSM Web Wizard and reading SUMO generated files that describe a networks logic and layout	??
TraciController	Traci Controller class manages a running simulation by communicating with a Sumo process .	??
Traffic_Light	A struct representing a Sumo Network TrafficLight	??
TrafficLight	??
Triangulator	??

UserController	??
VirtualButtonAction	
Provides a simple, abstract interface for virtual buttons that can be used from the Unity editor.	
This script must be attached to a Virtual Button	??

Chapter 2

Class Documentation

2.1 Edge Class Reference

The [Edge](#) class stores Network [Road](#) and [Lane](#) information and builds roads (Edges) for SUMO networks.

Inheritance diagram for Edge:

Public Member Functions

- void [ClearData](#) ()
Clear all saved Network [Road](#) Data.
- void [BuildEdges](#) ()
Parses the [Road](#) list and builds all valid Roads

Public Attributes

- List< [Road](#) > [RoadList](#)
The list of the Networks roads.
- Shader **Road_Shader**
- float [LANEWIDTH](#) = 3.4f
The width to make lanes in meters.

2.1.1 Detailed Description

The [Edge](#) class stores Network [Road](#) and [Lane](#) information and builds roads (Edges) for SUMO networks.

2.1.2 Member Function Documentation

2.1.2.1 BuildEdges()

```
void Edge.BuildEdges ( )
```

Parses the [Road](#) list and builds all valid Roads

2.1.2.2 ClearData()

```
void Edge.ClearData ( )
```

Clear all saved Network [Road](#) Data.

2.1.3 Member Data Documentation

2.1.3.1 LANEWIDTH

```
float Edge.LANEWIDTH = 3.4f
```

The width to make lanes in meters.

2.1.3.2 RoadList

```
List<Road> Edge.RoadList
```

The list of the Networks roads.

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Edge.[↩](#)
cs

2.2 Intersection Struct Reference

Properties

- string **Id** [get, set]
- string **Name** [get, set]
- string **Type** [get, set]
- string **X** [get, set]
- string **Y** [get, set]
- string **IncomingLanes** [get, set]
- string **InternalLanes** [get, set]
- string **Shape** [get, set]

The documentation for this struct was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Junction.[↩](#)
cs

2.3 IntEvent Class Reference

Inheritance diagram for IntEvent:

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/↵
Markers/MarkerAction.cs

2.4 Junction Class Reference

[Junction](#) class represents road network intersection.

Inheritance diagram for Junction:

Public Member Functions

- void [ClearData](#) ()
Clear all current simulation data.
- void [BuildJunction](#) ([Intersection](#) inter, bool flat)
Build an [Intersection](#).
- void **Build** ()

Public Attributes

- Shader **Road_Shader**
- List< [Intersection](#) > **Junction_List**
- bool **Built**

2.4.1 Detailed Description

[Junction](#) class represents road network intersection.

2.4.2 Member Function Documentation

2.4.2.1 BuildJunction()

```
void Junction.BuildJunction (
    Intersection inter,
    bool flat )
```

Build an [Intersection](#).

2.4.2.2 ClearData()

```
void Junction.ClearData ( )
```

Clear all current simulation data.

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Junction.↔
cs

2.5 Lane Struct Reference

A struct representing a Sumo Network [Lane](#).

Properties

- string **Id** [get, set]
- string **Index** [get, set]
- string **Speed** [get, set]
- string **Length** [get, set]
- string **Width** [get, set]
- string **Allow** [get, set]
- string **Disallow** [get, set]
- string **Shape** [get, set]
- bool **Built** [get, set]
- string **DefaultSpeed** [get, set]
- bool **ConstructionZone** [get, set]

2.5.1 Detailed Description

A struct representing a Sumo Network [Lane](#).

The documentation for this struct was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Edge.↔
cs

2.6 MarkerAction Class Reference

Used to provide functionality to a marker. This script should only be attached to an Image Target.

Inheritance diagram for MarkerAction:

Public Member Functions

- void [OnTrackableStateChanged](#) (TrackableBehaviour.Status previousStatus, TrackableBehaviour.Status newStatus)
Invoked by Vuforia whenever the status of an Image Target changes. This lets us know whether or not the marker is being tracked.
- void [AddTriggerArea](#) (Vector3 triggerPosition)
Adds a point to the list of areas that trigger the event.
- void [AddTriggerArea](#) (Bounds triggerArea)
Adds a Bounds to the list of areas that trigger the event.
- void [AddTriggerAreas](#) (IEnumerable< Vector3 > triggerPositions)
Adds multiple points to the list of areas that trigger the event.
- void [AddTriggerAreas](#) (IEnumerable< Bounds > triggerAreas)
Adds multiple Bounds to the list of areas that trigger the event.

Public Attributes

- [IntEvent](#) **atPositionEvent**
- float **timeForTrigger**
- float **xYTolerance**
- Transform **mainCameraTransform**
- float **ARCameraHeight**
- bool **rotateCamera**

2.6.1 Detailed Description

Used to provide functionality to a marker. This script should only be attached to an Image Target.

2.6.2 Member Function Documentation

2.6.2.1 AddTriggerArea() [1/2]

```
void MarkerAction.AddTriggerArea (
    Vector3 triggerPosition )
```

Adds a point to the list of areas that trigger the event.

Parameters

<i>triggerPosition</i>	The point to add as a trigger.
------------------------	--------------------------------

2.6.2.2 AddTriggerArea() [2/2]

```
void MarkerAction.AddTriggerArea (
    Bounds triggerArea )
```

Adds a Bounds to the list of areas that trigger the event.

Parameters

<i>triggerArea</i>	The area to add as a trigger.
--------------------	-------------------------------

2.6.2.3 AddTriggerAreas() [1/2]

```
void MarkerAction.AddTriggerAreas (
    IEnumerable< Vector3 > triggerPositions )
```

Adds multiple points to the list of areas that trigger the event.

Parameters

<i>triggerPositions</i>	The points to add as triggers.
-------------------------	--------------------------------

2.6.2.4 AddTriggerAreas() [2/2]

```
void MarkerAction.AddTriggerAreas (
    IEnumerable< Bounds > triggerAreas )
```

Adds multiple Bounds to the list of areas that trigger the event.

Parameters

<i>triggerAreas</i>	The areas to add as triggers.
---------------------	-------------------------------

2.6.2.5 OnTrackableStateChanged()

```
void MarkerAction.OnTrackableStateChanged (
```

```
TrackableBehaviour.Status previousStatus,
TrackableBehaviour.Status newStatus )
```

Invoked by Vuforia whenever the status of an Image Target changes. This lets us know whether or not the marker is being tracked.

Parameters

<i>previousStatus</i>	The previous status of the Image Target
<i>newStatus</i>	The current status of the Image Target

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/↵ Markers/MarkerAction.cs

2.7 MarkerChangeIntersection Class Reference

Inheritance diagram for MarkerChangeIntersection:

Public Member Functions

- void **SetTrafficLightIntersection** (int junctionIndex)
- void **SetStopSignIntersection** (int junctionIndex)

Public Attributes

- Material **trafficLightMaterial**
- Material **stopSignMaterial**
- GameObject **junctionsParentObject**
- [TraciController](#) **traciController**

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/↵ Markers/MarkerChangeIntersection.cs

2.8 MarkerManager Class Reference

Provides global management and functionality for markers. There should only be one [MarkerManager](#) in the scene.

Inheritance diagram for MarkerManager:

Public Attributes

- bool **rotateCamera**
- Transform **mainCameraTransform**
- float **ARCameraHeight** = 4350f
- Text **uiText**
- List< [MarkerAction](#) > **markerActionScripts**

2.8.1 Detailed Description

Provides global management and functionality for markers. There should only be one [MarkerManager](#) in the scene.

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/↔
Markers/MarkerManager.cs

2.9 MarkerSetWorkZone Class Reference

Allows a marker to set a lane as a work zone. This script should only be attached to an Image Target with a [MarkerAction](#) component

Inheritance diagram for MarkerSetWorkZone:

Public Member Functions

- void [ToggleWorkZone](#) (int laneIndex)
Called by [MarkerAction](#) when the event is triggered. Creates a work zone at the given road if it is not already set as a work zone. Removes a work zone from the given road if it is currently set as a work zone.
- void [SetWorkZone](#) (GameObject lane, string roadId)
Creates a work zone for a given road.
- void [RemoveWorkZone](#) (GameObject lane, string roadId)
Removes a work zone from a given road

Public Attributes

- GameObject **lanesParentObject**
- Material **roadMaterial**
- Material **workZoneMaterial**
- [TraciController](#) **traciController**

2.9.1 Detailed Description

Allows a marker to set a lane as a work zone. This script should only be attached to an Image Target with a [MarkerAction](#) component

2.9.2 Member Function Documentation

2.9.2.1 RemoveWorkZone()

```
void MarkerSetWorkZone.RemoveWorkZone (
    GameObject lane,
    string roadId )
```

Removes a work zone from a given road

Parameters

<i>roadStruct</i>	The Road struct holding the road's information
<i>roadId</i>	The road's game object

2.9.2.2 SetWorkZone()

```
void MarkerSetWorkZone.SetWorkZone (
    GameObject lane,
    string roadId )
```

Creates a work zone for a given road.

Parameters

<i>laneStruct</i>	The Road struct holding the road's information
<i>roadId</i>	The road's game object

2.9.2.3 ToggleWorkZone()

```
void MarkerSetWorkZone.ToggleWorkZone (
    int laneIndex )
```

Called by [MarkerAction](#) when the event is triggered. Creates a work zone at the given road if it is not already set as a work zone. Removes a work zone from the given road if it is currently set as a work zone.

Parameters

<i>laneIndex</i>	The list index for the road. This index should be the same between this script and MarkerAction .
------------------	---

The documentation for this class was generated from the following file:

- `C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Markers/MarkerSetWorkZone.cs`

2.10 Poly Struct Reference

Poly struct holds polygon data that represents arbitrary network shapes.

Properties

- string **Id** [get, set]
- string **Type** [get, set]
- string **Color** [get, set]
- string **Shape** [get, set]

2.10.1 Detailed Description

Poly struct holds polygon data that represents arbitrary network shapes.

The documentation for this struct was generated from the following file:

- `C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Structure.cs`

2.11 ProjectionData Class Reference

Projection Data class stores and creates a simulation networks terrain.

Inheritance diagram for ProjectionData:

Public Member Functions

- void **SetProjectionData** (XmlDocument xml)
Get the bounds of the current network as a pair of points in 2-Space
- List< float > **ShapeStringToFloatList** (string shape)
Sumo shape sting to List of floats point order is x1, y1, x2, y2,
- void **BuildTerrain** ()
Adds a Terrain_Plane to the scene the size of the network and sets the camera to the center of the plane.

Public Attributes

- Shader [Terrain_Shader](#)
The Projection Data Terrain Shader.
- Camera [Main_Camera](#)
A handle to the main camera.
- string [offset](#)
The offset for network projections.
- string [originalBounds](#)
The networks original bounds Lat/Lon
- string [projectedBounds](#)
The networks projected bound. Cartesian

2.11.1 Detailed Description

Projection Data class stores and creates a simulation networks terrain.

2.11.2 Member Function Documentation

2.11.2.1 BuildTerrain()

```
void ProjectionData.BuildTerrain ( )
```

Adds a Terrain_Plane to the scene the size of the network and sets the camera to the center of the plane.

2.11.2.2 SetProjectionData()

```
void ProjectionData.SetProjectionData (
    XmlDocument xml )
```

Get the bounds of the current network as a pair of points in 2-Space

Parameters

<i>xml</i>	The xml file with the projection data.
------------	--

2.11.2.3 ShapeStringToFloatList()

```
List<float> ProjectionData.ShapeStringToFloatList (
    string shape )
```

Sumo shape sting to List of floats point order is x1, y1, x2, y2,

Parameters

<i>shape</i>	A Sumo formatted shape string.
--------------	--------------------------------

Returns**2.11.3 Member Data Documentation****2.11.3.1 Main_Camera**

`Camera ProjectionData.Main_Camera`

A handle to the main camera.

2.11.3.2 offset

`string ProjectionData.offset`

The offset for network projections.

2.11.3.3 originalBounds

`string ProjectionData.originalBounds`

The networks original bounds Lat/Lon

2.11.3.4 projectedBounds

`string ProjectionData.projectedBounds`

The networks projected bound. Cartesian

2.11.3.5 Terrain_Shader

Shader ProjectionData.Terrain_Shader

The Projection Data Terrain Shader.

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/ProjectionData.cs↔

2.12 Road Struct Reference

A struct representing a Sumo Network [Edge](#).

Properties

- string **Id** [get, set]
- string **From** [get, set]
- string **To** [get, set]
- string **Name** [get, set]
- string **Shape** [get, set]
- bool **Built** [get, set]
- string **Type** [get, set]
- string **Function** [get, set]
- List< [Lane](#) > **Lanes** [get, set]
- float **Occupancy** [get, set]

2.12.1 Detailed Description

A struct representing a Sumo Network [Edge](#).

The documentation for this struct was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Edge.cs↔

2.13 Structure Class Reference

[Structure](#) class stores and builds all simulation network buildings and Points of Interest.

Inheritance diagram for Structure:

Public Member Functions

- void [ClearData](#) ()
Clear all current simulation polygon data.
- void [Build](#) ()
Build all stored polygon data.

Public Attributes

- List< [Poly](#) > [Polys](#)
The list of polygon data.
- Shader [Road_Shader](#)
The parking lot shader.
- Shader [Building_Shader](#)
The building extrusion shader.

2.13.1 Detailed Description

[Structure](#) class stores and builds all simulation network buildings and Points of Interest.

2.13.2 Member Function Documentation

2.13.2.1 Build()

```
void Structure.Build ( )
```

Build all stored polygon data.

2.13.2.2 ClearData()

```
void Structure.ClearData ( )
```

Clear all current simulation polygon data.

2.13.3 Member Data Documentation

2.13.3.1 Building_Shader

`Shader Structure.Building_Shader`

The building extrusion shader.

2.13.3.2 Polys

`List<Poly> Structure.Polys`

The list of polygon data.

2.13.3.3 Road_Shader

`Shader Structure.Road_Shader`

The parking lot shader.

The documentation for this class was generated from the following file:

- `C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Structure.↔
cs`

2.14 SumoCreator Class Reference

[SumoCreator](#) class is used for creating Open Street Map networks with SUMO's OSM Web Wizard and reading SUMO generated files that describe a networks logic and layout.

Inheritance diagram for SumoCreator:

Public Member Functions

- void [GenerateOsmNetwork](#) ()
Open the OSMWebWizard to build a real world road network. The user will save the new network to a zipfile when done. The processes remain open so the user can build multiple network at once.
- void [LoadNetwork](#) ()
Go through all network description files and build the network into Unity. Most files will be passed over but there are some handles left for upgrades.

2.14.1 Detailed Description

[SumoCreator](#) class is used for creating Open Street Map networks with SUMO's OSM Web Wizard and reading SUMO generated files that describe a networks logic and layout.

2.14.2 Member Function Documentation

2.14.2.1 GenerateOsmNetwork()

```
void SumoCreator.GenerateOsmNetwork ( )
```

Open the OSMWebWizard to build a real world road network. The user will save the new network to a zipfile when done. The processes remain open so the user can build multiple network at once.

2.14.2.2 LoadNetwork()

```
void SumoCreator.LoadNetwork ( )
```

Go through all network description files and build the network into Unity. Most files will be passed over but there are some handles left for upgrades.

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Sumo↔ Creator.cs

2.15 TraciController Class Reference

Traci Controller class manages a running simulation by communicating with a Sumo process.

Inheritance diagram for TraciController:

Public Member Functions

- void [RemoveWorkZoneOnLane](#) (string roadId, string laneId)
Removes the construction zone attribute for a defined lane in the given road, and updates the simulation in SUMO.
- void [RemoveWorkZoneEntireRoad](#) (string roadId)
Removes the construction zone attribute from every lane in the road, and updates the simulation accordingly in SUMO.
- void [SetWorkZoneEntireRoad](#) (string roadId)
Sets the construction zone attribute for every lane in the road, and updates the simulation accordingly in SUMO.
- void [SetWorkZoneOneLane](#) (string roadId, string laneId)
Sets the construction zone attribute for a defined lane in the given road, and updates the simulation in SUMO.
- void [ToggleMesoscopic](#) ()
Flips the Occupancy Visual to simulate a mesoscopic view.
- void [SetStopSignJunction](#) (string trafficLightId)
Sets a junction's stop light to the "off-blinking" phase to cause all vehicles to yeild
- void [SetTrafficLightJunction](#) (string trafficLightId)
Sets a junction's stop light to the default phase to cause all vehicles to yeild
- void [Subscribe](#) ()
Subscribes to all vehicles in the simulation
- void [OnVehicleUpdate](#) (object sender, Traci.Types.SubscriptionEventArgs e)
Event handler to handle a car update event

Public Attributes

- GameObject [Cars_GO](#)
The Car main Game Object
- float [speed](#) = 2.0f
The simulation speed.
- Traci.TraCIClient [Client](#)
The Traci client.
- String [HostName](#)
The hostname of the computer for remote connections.
- int [Port](#)
The port of the computer for remote connections.
- String [ConfigFile](#)
The current simulation config file.
- bool [OccupancyVisual](#)
Flag to determine if the road color should be set
- bool [CarVisual](#)
Flag to determine if car positions should be shown.

2.15.1 Detailed Description

Traci Controller class manages a running simulation by communicating with a Sumo process.

2.15.2 Member Function Documentation

2.15.2.1 OnVehicleUpdate()

```
void TraciController.OnVehicleUpdate (
    object sender,
    Traci.Types.SubscriptionEventArgs e )
```

Event handler to handle a car update event

Parameters

<i>sender</i>	The client
<i>e</i>	The event args

2.15.2.2 RemoveWorkZoneEntireRoad()

```
void TraciController.RemoveWorkZoneEntireRoad (
    string roadId )
```

Removes the construction zone attribute from every lane in the road, and updates the simulation accordingly in SUMO.

Parameters

<i>road↔ Id</i>	The ID of the road to update
---------------------	------------------------------

2.15.2.3 RemoveWorkZoneOnLane()

```
void TraciController.RemoveWorkZoneOnLane (
    string roadId,
    string laneId )
```

Removes the construction zone attribute for a defined lane in the given road, and updates the simulation in SUMO.

Parameters

<i>road↔ Id</i>	The ID of the road to which the lane belongs
<i>lane↔ Id</i>	The lane Id as specified in the SUMO network file

2.15.2.4 SetStopSignJunction()

```
void TraciController.SetStopSignJunction (
    string trafficLightId )
```

Sets a junction's stop light to the "off-blinking" phase to cause all vehicles to yeild

Parameters

<i>traffic↔ LightId</i>	The id of the stop light/junction that will be converted
-----------------------------	--

2.15.2.5 SetTrafficLightJunction()

```
void TraciController.SetTrafficLightJunction (
    string trafficLightId )
```

Sets a junction's stop light to the default phase to cause all vehicles to yeild

Parameters

<i>traffic↔ LightId</i>	The id of the stop light/junction that will be converted
-----------------------------	--

2.15.2.6 SetWorkZoneEntireRoad()

```
void TraciController.SetWorkZoneEntireRoad (
    string roadId )
```

Sets the construction zone attribute for every lane in the road, and updates the simulation accordingly in SUMO.

Parameters

<i>roadId</i>	The ID of the road to update
---------------	------------------------------

2.15.2.7 SetWorkZoneOneLane()

```
void TraciController.SetWorkZoneOneLane (
    string roadId,
    string laneId )
```

Sets the construction zone attribute for a defined lane in the given road, and updates the simulation in SUMO.

Parameters

<i>roadId</i>	The ID of the road to which the lane belongs
<i>laneId</i>	The lane Id as specified in the SUMO network file

2.15.2.8 Subscribe()

```
void TraciController.Subscribe ( )
```

Subscribes to all vehicles in the simulation

2.15.2.9 ToggleMesoscopic()

```
void TraciController.ToggleMesoscopic ( )
```

Flips the Occupancy Visual to simulate a mesoscopic view.

2.15.3 Member Data Documentation

2.15.3.1 Cars_GO

`GameObject TraciController.Cars_GO`

The Car main Game Object

2.15.3.2 CarVisual

`bool TraciController.CarVisual`

Flag to determine if car positions should be shown.

2.15.3.3 Client

`Traci.TraCIClient TraciController.Client`

The Traci client.

2.15.3.4 ConfigFile

`String TraciController.ConfigFile`

The current simulation config file.

2.15.3.5 HostName

`String TraciController.HostName`

The hostname of the computer for remote connections.

2.15.3.6 OccupancyVisual

```
bool TraciController.OccupancyVisual
```

Flag to determine if the road color should be set

2.15.3.7 Port

```
int TraciController.Port
```

The post of the computer for remote connections.

2.15.3.8 speed

```
float TraciController.speed = 2.0f
```

The simulation speed.

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Traci↔
Controller.cs

2.16 Traffic_Light Struct Reference

A struct representing a Sumo Network [TrafficLight](#).

Properties

- string **Id** [get, set]
- List< string > **ControlledLanes** [get, set]
- string **Program** [get, set]
- float **PhaseDuration** [get, set]

2.16.1 Detailed Description

A struct representing a Sumo Network [TrafficLight](#).

The documentation for this struct was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Traffic↔
Light.cs

2.17 TrafficLight Class Reference

Inheritance diagram for TrafficLight:

Public Member Functions

- void **Get_Traffic_Lights** ()

Public Attributes

- List< [Traffic_Light](#) > **TL_List**

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Traffic↔
Light.cs

2.18 Triangulator Class Reference

Public Member Functions

- **Triangulator** (Vector2[] points)
- int [] **Triangulate** ()

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/Triangulator.↔
cs

2.19 UserController Class Reference

Inheritance diagram for UserController:

Public Attributes

- Camera **Main_Camera**
- GameObject **Canvas**
- float **speed** = 2.0f

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/User↔
Controller.cs

2.20 VirtualButtonAction Class Reference

Provides a simple, abstract interface for virtual buttons that can be used from the Unity editor. This script must be attached to a Virtual Button.

Inheritance diagram for VirtualButtonAction:

Public Member Functions

- void **OnButtonPressed** (VirtualButtonBehaviour vb)
- void **OnButtonReleased** (VirtualButtonBehaviour vb)

Public Attributes

- UnityEvent **onButtonDown**
- UnityEvent **onButtonUp**

2.20.1 Detailed Description

Provides a simple, abstract interface for virtual buttons that can be used from the Unity editor. This script must be attached to a Virtual Button.

The documentation for this class was generated from the following file:

- C:/Users/Documents/GitHub/AR-Sandbox-for-Construction-Planning/src/AR_Sumobox/Assets/Scripts/↔
Markers/VirtualButtonAction.cs

