**3D Mapping Solutions GmbH**
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# Release notes

| | |
|---|---|
| Route: | A9 Sued |
| Release date: | 2017-04-04 |
| Recording Date: | 2016-12 |

Files provided (included in 2017-04-04_Testfeld_A9_Sued.zip) :

- 2017-04-04_Testfeld_A9_Sued.xodr
- 2017-04-04_Testfeld_A9_Sued_offset.xodr (offset_x: 691600, offset_y: 5383500)
- 2017-04-04_Testfeld_A9_Sued_Release_notes.pdf
- 2017-04-04_Testfeld_A9_Sued.kml

If you have any questions regarding the OpenDRIVE dataset please contact:

**opendrive@3d-mapping.de**

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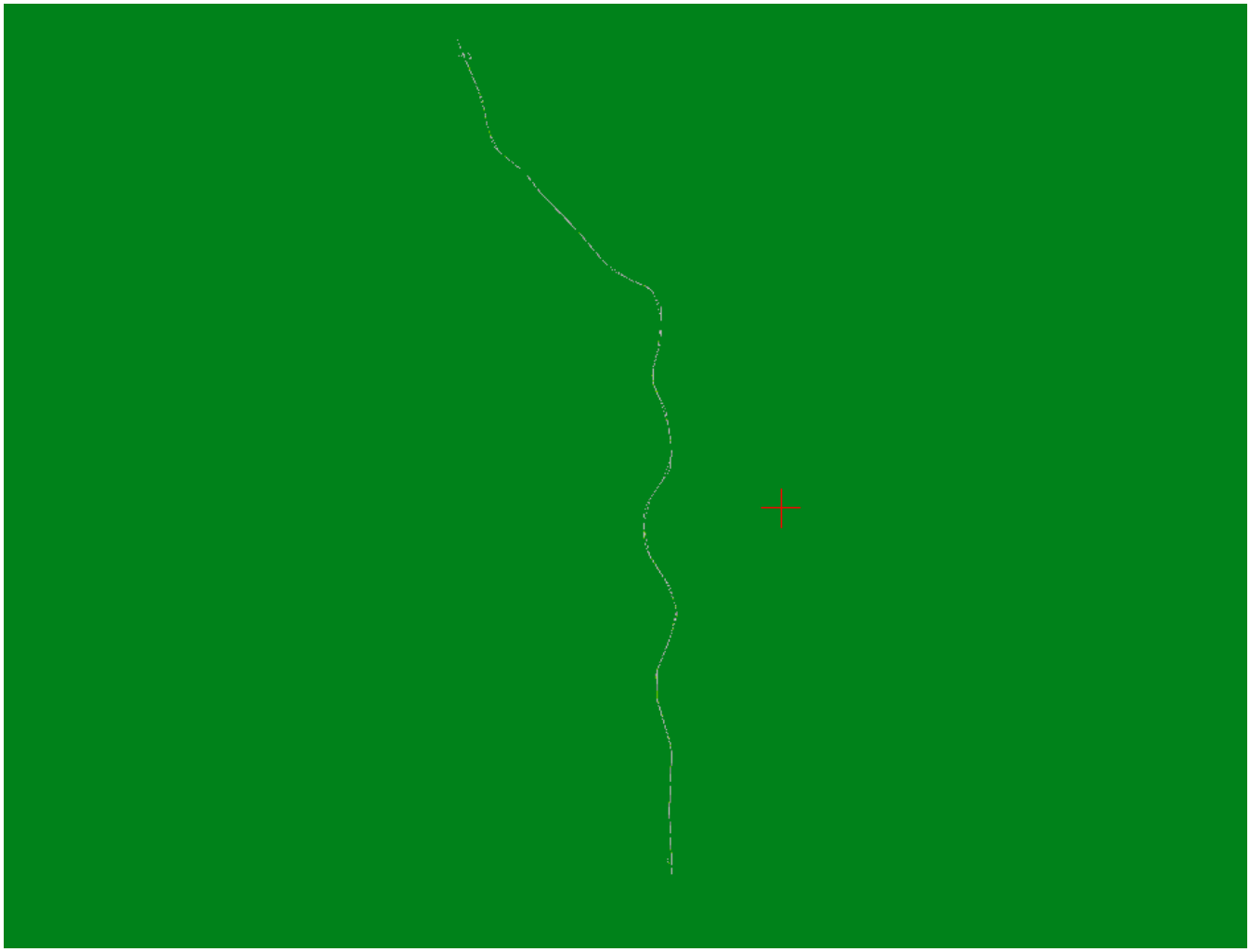
Area covered

OpenDRIVE Reference lines: 2017-04-04_Testfeld_A9_Sued.kml

Route overview (ScenarioEditor):



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## Objecttypes included:

| Geometry | type | name | count |
|---|---|---|---|
| areas | barrier | trafficIsland | 13 |
| areas | roadMark | arrowLeft | 11 |
| areas | roadMark | arrowMergeRight | 3 |
| areas | roadMark | arrowRight | 37 |
| areas | roadMark | arrowStraight | 26 |
| points | pole | emergencyCallBox | 27 |
| points | pole | permanentDelineator | 1318 |
| ranges | bridge | concrete | 16 |
| ranges | tunnel | standard | 1 |
| repeat | barrier | guardRail | 209 |
| repeat | barrier | jerseyBarrier | 68 |
| lines | gantry | gantry | 49 |

## Applied tests:

Planview / geometry elements

...ok

Lanegeometry / polynoms

...ok

Elevation / polynoms

...ok

Objects assigned properly

...ok

Signals assigned properly

...ok

Road connections / junctions

...ok

XSD – Schema Validation

...ok

XODR Validator – basic + additional rules

...ok

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Userdata included:

## 1. Segment Data

Segment data for lane markings of type broken. Please note, not every roadMark entry of type "broken" needs to have an userData Entry. If the s-range is quite short no start or endpoint of a roadMark segment may be inside this range.

```
<OpenDRIVE>
   <road name="" length="…" id="…" junction="-1">
    <lanes>
        <laneSection s="0">
          <left>
            <lane id="1" type="driving" level="False">
              <roadMark sOffset="0.0" type="broken" weight="standard" color="standard" width="0.12">
                <userData code="roadMarkSegmentData">
                  <start sOffset="1.1"/>
                  <end sOffset="2.3"/>
                  <start sOffset="3.1"/>
                  <end sOffset="4.7"/>
                  <start sOffset="6.8"/>
                </userData>
              </roadMark>
…
```

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## 2. Lane style

This userData is interpreted by ROD (VIRES) and used for generating texture.

```
<OpenDRIVE>
  <road name="" length="…" id="…" junction="-1">
   <lanes>
      <laneSection s="0">
        <left>
          <lane id="1" type="driving" level="False">
              <userData code="viStyleDef">
                  <style sOffset="0.0" laneStyle="pav_restricted" />
              </userData>
…
```

Release Notes 2017-03-24

Following data is not yet included and will be provided in the next update after clarification of some points that have to be discussed:

- Userdata for signals
- Passing rules on lane level
- Surface material code
- Lane speed data