




# Report Generated by Test Manager

**Title:** Highway Lane Following Controller  
**Author:** MathWorks  
**Date:** 07-Dec-2020 16:57:11

## Test Environment

Platform: PCWIN64  
MATLAB: (R2021a)

## Summary

Name	Outcome	Duration (Seconds)
<a href="#">Results: 2020-Dec-07 16:37:18</a>	10 ✓	828.714
		
<a href="#">HighwayLaneFollowingControllerMetricAssessments</a>	10 ✓	828.714
 <a href="#">Test Scenarios</a>	10 ✓	828.714
 <a href="#">scenario_LF_01_Straight_RightLane</a>	✓	78.809
 <a href="#">scenario_LF_02_Straight_LeftLane</a>	✓	66.946
 <a href="#">scenario_LF_03_Curve_LeftLane</a>	✓	77.137
 <a href="#">scenario_LF_04_Curve_RightLane</a>	✓	74.217
 <a href="#">scenario_LFACC_01_Curve_DecelTarget</a>	✓	85.217
 <a href="#">scenario_LFACC_02_Curve_AutoRetarget</a>	✓	74.446
 <a href="#">scenario_LFACC_03_Curve_StopnGo</a>	✓	97.931
 <a href="#">scenario_LFACC_04_Curve_CutInOut</a>	✓	89.593
	✓	86.745
<a href="#">scenario_LFACC_05_Curve_CutInOut_TooClose</a>		
		
<a href="#">scenario_LFACC_06_Straight_StopandGoLeadCar</a>	✓	96.661

## Results: 2020-Dec-07 16:37:18

Result Type: Result Set  
Parent: None  
Start Time: 07-Dec-2020 16:37:29  
End Time: 07-Dec-2020 16:51:18  
Outcome: Total: 10, Passed: 10

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## HighwayLaneFollowingControllerMetricAssessments

### Test Result Information

Result Type: Test File Result  
Parent: [Results: 2020-Dec-07 16:37:18](#)  
Start Time: 07-Dec-2020 16:37:29  
End Time: 07-Dec-2020 16:51:18  
Outcome: Total: 10, Passed: 10

### Test Suite Information

Name: HighwayLaneFollowingControllerMetricAssessments

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## Test Scenarios

### Test Result Information

Result Type: Test Suite Result  
Parent: [HighwayLaneFollowingControllerMetricAssessments](#)  
Start Time: 07-Dec-2020 16:37:29  
End Time: 07-Dec-2020 16:51:18  
Outcome: Total: 10, Passed: 10

### Test Suite Information

Name: Test Scenarios

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## scenario\_LF\_01\_Straight\_RightLane

### Test Result Information

Result Type: Test Case Result  
Parent: [Test Scenarios](#)  
Start Time: 07-Dec-2020 16:37:29  
End Time: 07-Dec-2020 16:38:48  
Outcome: Passed

### Test Case Information

Name: scenario\_LF\_01\_Straight\_RightLane  
Type: Simulation Test

### Simulation

#### System Under Test Information

Model: HighwayLaneFollowingController  
Harness: HighwayLaneFollowingControllerAssessment  
Harness Owner: HighwayLaneFollowingController  
Release: Current  
Simulation Mode: normal  
Override SIL or PIL: 0  
Mode:  
Configuration Set: csMultiInstanceSimulation  
Start Time: 0  
Stop Time: 10  
Checksum: 72154055 2146856964 1217848442 2720100266

## scenario\_LF\_02\_Straight\_LeftLane

### Test Result Information

Result Type: Test Case Result

Parent: [Test Scenarios](#)  
Start Time: 07-Dec-2020 16:38:48  
End Time: 07-Dec-2020 16:39:55  
Outcome: **Passed**

### Test Case Information

Name: scenario\_LF\_02\_Straight\_LeftLane  
Type: Simulation Test

### Simulation

#### System Under Test Information

Model: HighwayLaneFollowingController  
Harness: HighwayLaneFollowingControllerAssessment  
Harness Owner: HighwayLaneFollowingController  
Release: Current  
Simulation Mode: normal  
Override SIL or PIL 0  
Mode:  
Configuration Set: csMultiInstanceSimulation  
Start Time: 0  
Stop Time: 10  
Checksum: 1371594934 3762107081 389999591 2513811754

## scenario\_LF\_03\_Curve\_LeftLane

### Test Result Information

Result Type: Test Case Result  
Parent: [Test Scenarios](#)  
Start Time: 07-Dec-2020 16:39:55  
End Time: 07-Dec-2020 16:41:12  
Outcome: **Passed**

### Test Case Information

Name: scenario\_LF\_03\_Curve\_LeftLane

Type: Simulation Test

## Simulation

### System Under Test Information

Model: HighwayLaneFollowingController  
Harness: HighwayLaneFollowingControllerAssessment  
Harness Owner: HighwayLaneFollowingController  
Release: Current  
Simulation Mode: normal  
Override SIL or PIL 0  
Mode:  
Configuration Set: csMultiInstanceSimulation  
Start Time: 0  
Stop Time: 18  
Checksum: 2469573731 3256043011 1234705401 137972169

## scenario\_LF\_04\_Curve\_RightLane

### Test Result Information

Result Type: Test Case Result  
Parent: [Test Scenarios](#)  
Start Time: 07-Dec-2020 16:41:12  
End Time: 07-Dec-2020 16:42:27  
Outcome: **Passed**

### Test Case Information

Name: scenario\_LF\_04\_Curve\_RightLane  
Type: Simulation Test

## Simulation

### System Under Test Information

Model: HighwayLaneFollowingController  
Harness: HighwayLaneFollowingControllerAssessment  
Harness Owner: HighwayLaneFollowingController  
Release: Current

Simulation Mode: normal  
Override SIL or PIL 0  
Mode:  
Configuration Set: csMultiInstanceSimulation  
Start Time: 0  
Stop Time: 18  
Checksum: 2112251090 895727460 3484986660 1412622221

## **scenario\_LFACC\_01\_Curve\_DecelTarget**

### **Test Result Information**

Result Type: Test Case Result  
Parent: [Test Scenarios](#)  
Start Time: 07-Dec-2020 16:42:27  
End Time: 07-Dec-2020 16:43:52  
Outcome: **Passed**

### **Test Case Information**

Name: scenario\_LFACC\_01\_Curve\_DecelTarget  
Type: Simulation Test

### **Simulation**

#### **System Under Test Information**

Model: HighwayLaneFollowingController  
Harness: HighwayLaneFollowingControllerAssessment  
Harness Owner: HighwayLaneFollowingController  
Release: Current  
Simulation Mode: normal  
Override SIL or PIL 0  
Mode:  
Configuration Set: csMultiInstanceSimulation  
Start Time: 0  
Stop Time: 25  
Checksum: 1297695491 890844486 524291004 3474684858

## scenario\_LFACC\_02\_Curve\_AutoRetarget

### Test Result Information

Result Type: Test Case Result  
Parent: [Test Scenarios](#)  
Start Time: 07-Dec-2020 16:43:52  
End Time: 07-Dec-2020 16:45:06  
Outcome: **Passed**

### Test Case Information

Name: scenario\_LFACC\_02\_Curve\_AutoRetarget  
Type: Simulation Test

### Simulation

#### System Under Test Information

Model: HighwayLaneFollowingController  
Harness: HighwayLaneFollowingControllerAssessment  
Harness Owner: HighwayLaneFollowingController  
Release: Current  
Simulation Mode: normal  
Override SIL or PIL Mode: 0  
Configuration Set: csMultiInstanceSimulation  
Start Time: 0  
Stop Time: 18  
Checksum: 4211442355 1548013139 1529050375 2775718091

## scenario\_LFACC\_03\_Curve\_StopnGo

### Test Result Information

Result Type: Test Case Result  
Parent: [Test Scenarios](#)



Start Time: 07-Dec-2020 16:45:07  
End Time: 07-Dec-2020 16:46:44  
Outcome: **Passed**

### Test Case Information

Name: scenario\_LFACC\_03\_Curve\_StopnGo  
Type: Simulation Test

### Simulation

#### System Under Test Information

Model: HighwayLaneFollowingController  
Harness: HighwayLaneFollowingControllerAssessment  
Harness Owner: HighwayLaneFollowingController  
Release: Current  
Simulation Mode: normal  
Override SIL or PIL 0  
Mode:  
Configuration Set: csMultiInstanceSimulation  
Start Time: 0  
Stop Time: 32  
Checksum: 2142808451 2038043629 393031676 2436136928

## scenario\_LFACC\_04\_Curve\_CutInOut

### Test Result Information

Result Type: Test Case Result  
Parent: [Test Scenarios](#)  
Start Time: 07-Dec-2020 16:46:45  
End Time: 07-Dec-2020 16:48:14  
Outcome: **Passed**

### Test Case Information

Name: scenario\_LFACC\_04\_Curve\_CutInOut  
Type: Simulation Test

## Simulation

### System Under Test Information

Model:	HighwayLaneFollowingController
Harness:	HighwayLaneFollowingControllerAssessment
Harness Owner:	HighwayLaneFollowingController
Release:	Current
Simulation Mode:	normal
Override SIL or PIL	0
Mode:	
Configuration Set:	csMultiInstanceSimulation
Start Time:	0
Stop Time:	25
Checksum:	1697357466 1625056831 2511494547 3714908004

## scenario\_LFACC\_05\_Curve\_CutInOut\_To oClose

### Test Result Information

Result Type:	Test Case Result
Parent:	<a href="#">Test Scenarios</a>
Start Time:	07-Dec-2020 16:48:14
End Time:	07-Dec-2020 16:49:41
Outcome:	Passed

### Test Case Information

Name:	scenario_LFACC_05_Curve_CutInOut_TooClose
Type:	Simulation Test

## Simulation

### System Under Test Information

Model:	HighwayLaneFollowingController
Harness:	HighwayLaneFollowingControllerAssessment
Harness Owner:	HighwayLaneFollowingController

Release:	Current
Simulation Mode:	normal
Override SIL or PIL	0
Mode:	
Configuration Set:	csMultiInstanceSimulation
Start Time:	0
Stop Time:	25
Checksum:	1582707555 558576395 3139299540 3782022488

## **scenario\_LFACC\_06\_Straight\_StopandGo LeadCar**

### **Test Result Information**

Result Type:	Test Case Result
Parent:	<a href="#">Test Scenarios</a>
Start Time:	07-Dec-2020 16:49:41
End Time:	07-Dec-2020 16:51:18
Outcome:	Passed

### **Test Case Information**

Name:	scenario_LFACC_06_Straight_StopandGoLeadCar
Type:	Simulation Test

### **Simulation**

#### **System Under Test Information**

Model:	HighwayLaneFollowingController
Harness:	HighwayLaneFollowingControllerAssessment
Harness Owner:	HighwayLaneFollowingController
Release:	Current
Simulation Mode:	normal
Override SIL or PIL	0
Mode:	
Configuration Set:	csMultiInstanceSimulation
Start Time:	0
Stop Time:	25

Checksum:

322578924 695846364 3937648789 701881603