Appendix 25-8:

Highway Capacity Software Level of Service Output

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	Town Line Road (County Route 129)	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	11	Opposing Demand Flow Rate, veh/h	40
Peak Hour Factor	0.90	Total Trucks, %	4.64
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.4
Speed Slope Coefficient	3.28090	Speed Power Coefficient	0.60875
PF Slope Coefficient	-1.16378	PF Power Coefficient	0.81874
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.4

Vehicle Results

Average Speed, mi/h	56.4	Percent Followers, %	2.9
Segment Travel Time, minutes	1.06	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	Fuller Road	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	11	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	23	Opposing Demand Flow Rate, veh/h	37
Peak Hour Factor	0.90	Total Trucks, %	7.51
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.9
Speed Slope Coefficient	3.30544	Speed Power Coefficient	0.61140
PF Slope Coefficient	-1.15949	PF Power Coefficient	0.82142
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.9

Vehicle Results

Average Speed, mi/h	56.9	Percent Followers, %	5.2
Segment Travel Time, minutes	1.05	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	Lake Road	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	14	Opposing Demand Flow Rate, veh/h	7
Peak Hour Factor	0.90	Total Trucks, %	4.64
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.4
Speed Slope Coefficient	3.24210	Speed Power Coefficient	0.64724
PF Slope Coefficient	-1.12992	PF Power Coefficient	0.82885
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.4

Vehicle Results

Average Speed, mi/h	56.4	Percent Followers, %	3.3
Segment Travel Time, minutes	1.06	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	NY-38	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	11	Shoulder Width, ft	3
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	66	Opposing Demand Flow Rate, veh/h	46
Peak Hour Factor	0.90	Total Trucks, %	6.68
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.04

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	59.0
Speed Slope Coefficient	3.42796	Speed Power Coefficient	0.60459
PF Slope Coefficient	-1.15788	PF Power Coefficient	0.82591
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.1
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	59.0

Vehicle Results

Average Speed, mi/h	59.0	Percent Followers, %	11.5
Segment Travel Time, minutes	1.02	Followers Density, followers/mi/ln	0.1
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	NY-34	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	11	Shoulder Width, ft	6
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	204	Opposing Demand Flow Rate, veh/h	137
Peak Hour Factor	0.90	Total Trucks, %	10.80
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.12

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	61.0
Speed Slope Coefficient	3.58556	Speed Power Coefficient	0.55946
PF Slope Coefficient	-1.18813	PF Power Coefficient	0.82009
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.9
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	60.0

Vehicle Results

Average Speed, mi/h	60.0	Percent Followers, %	27.6
Segment Travel Time, minutes	1.00	Followers Density, followers/mi/ln	0.9
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	Ditmar Road	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	58	Opposing Demand Flow Rate, veh/h	39
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.03

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.4
Speed Slope Coefficient	3.27897	Speed Power Coefficient	0.60962
PF Slope Coefficient	-1.16300	PF Power Coefficient	0.81900
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.1
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.4

Vehicle Results

Average Speed, mi/h	56.4	Percent Followers, %	10.6
Segment Travel Time, minutes	1.06	Followers Density, followers/mi/ln	0.1
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	Conger Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	2	Opposing Demand Flow Rate, veh/h	1
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.4
Speed Slope Coefficient	3.22525	Speed Power Coefficient	0.66392
PF Slope Coefficient	-1.11545	PF Power Coefficient	0.83331
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.4

Vehicle Results

Average Speed, mi/h	56.4	Percent Followers, %	0.7
Segment Travel Time, minutes	1.06	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	Bell Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	3	Opposing Demand Flow Rate, veh/h	2
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.8
Speed Slope Coefficient	3.19726	Speed Power Coefficient	0.65910
PF Slope Coefficient	-1.12135	PF Power Coefficient	0.83014
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	55.8

Vehicle Results

Average Speed, mi/h	55.8	Percent Followers, %	1.0
Segment Travel Time, minutes	1.08	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	Follett Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	12	Opposing Demand Flow Rate, veh/h	8
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.8
Speed Slope Coefficient	3.21071	Speed Power Coefficient	0.64502
PF Slope Coefficient	-1.13361	PF Power Coefficient	0.82642
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	55.8

Vehicle Results

Average Speed, mi/h	55.8	Percent Followers, %	2.9
Segment Travel Time, minutes	1.08	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	Weatherby Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	6	Opposing Demand Flow Rate, veh/h	3
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.8
Speed Slope Coefficient	3.20073	Speed Power Coefficient	0.65542
PF Slope Coefficient	-1.12454	PF Power Coefficient	0.82917
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	55.8

Vehicle Results

Average Speed, mi/h	55.8	Percent Followers, %	1.5
Segment Travel Time, minutes	1.08	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	9/3/2020
Agency	PDE	Analysis Year	2020
Jurisdiction	NYSDOT	Time Period Analyzed	Existing
Project Description	White Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	3	Opposing Demand Flow Rate, veh/h	2
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.8
Speed Slope Coefficient	3.19726	Speed Power Coefficient	0.65910
PF Slope Coefficient	-1.12135	PF Power Coefficient	0.83014
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	55.8

Vehicle Results

Average Speed, mi/h	55.8	Percent Followers, %	1.0
Segment Travel Time, minutes	1.08	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	2/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	Town Line Road (County Route 129)	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	11	Opposing Demand Flow Rate, veh/h	40
Peak Hour Factor	0.90	Total Trucks, %	4.64
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.4
Speed Slope Coefficient	3.28090	Speed Power Coefficient	0.60875
PF Slope Coefficient	-1.16378	PF Power Coefficient	0.81874
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.4

Vehicle Results

Average Speed, mi/h	56.4	Percent Followers, %	2.9
Segment Travel Time, minutes	1.06	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	2/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	Fuller Road	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	11	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	23	Opposing Demand Flow Rate, veh/h	37
Peak Hour Factor	0.90	Total Trucks, %	7.51
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.9
Speed Slope Coefficient	3.30544	Speed Power Coefficient	0.61140
PF Slope Coefficient	-1.15949	PF Power Coefficient	0.82142
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.9

Vehicle Results

Average Speed, mi/h	56.9	Percent Followers, %	5.2
Segment Travel Time, minutes	1.05	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	02/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	Lake Road	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	32	Opposing Demand Flow Rate, veh/h	24
Peak Hour Factor	0.90	Total Trucks, %	8.51
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.02

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.3
Speed Slope Coefficient	3.25960	Speed Power Coefficient	0.62255
PF Slope Coefficient	-1.15155	PF Power Coefficient	0.82256
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.3

Vehicle Results

Average Speed, mi/h	56.3	Percent Followers, %	6.6
Segment Travel Time, minutes	1.07	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	02/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	NY-38	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	11	Shoulder Width, ft	3
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	294	Opposing Demand Flow Rate, veh/h	274
Peak Hour Factor	0.90	Total Trucks, %	10.08
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.17

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	58.9
Speed Slope Coefficient	3.52358	Speed Power Coefficient	0.52069
PF Slope Coefficient	-1.23143	PF Power Coefficient	0.80315
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	1.9
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	57.4

Vehicle Results

Average Speed, mi/h	57.4	Percent Followers, %	37.0
Segment Travel Time, minutes	1.05	Followers Density, followers/mi/ln	1.9
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	02/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	NY-34	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	11	Shoulder Width, ft	6
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	204	Opposing Demand Flow Rate, veh/h	137
Peak Hour Factor	0.90	Total Trucks, %	10.80
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.12

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	61.0
Speed Slope Coefficient	3.58556	Speed Power Coefficient	0.55946
PF Slope Coefficient	-1.18813	PF Power Coefficient	0.82009
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.9
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	60.0

Vehicle Results

Average Speed, mi/h	60.0	Percent Followers, %	27.6
Segment Travel Time, minutes	1.00	Followers Density, followers/mi/ln	0.9
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	02/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	Ditmar Road	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	58	Opposing Demand Flow Rate, veh/h	39
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.03

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.4
Speed Slope Coefficient	3.27897	Speed Power Coefficient	0.60962
PF Slope Coefficient	-1.16300	PF Power Coefficient	0.81900
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.1
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.4

Vehicle Results

Average Speed, mi/h	56.4	Percent Followers, %	10.6
Segment Travel Time, minutes	1.06	Followers Density, followers/mi/ln	0.1
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	02/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	Conger Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	10	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	2	Opposing Demand Flow Rate, veh/h	1
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	56.4
Speed Slope Coefficient	3.22525	Speed Power Coefficient	0.66392
PF Slope Coefficient	-1.11545	PF Power Coefficient	0.83331
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	56.4

Vehicle Results

Average Speed, mi/h	56.4	Percent Followers, %	0.7
Segment Travel Time, minutes	1.06	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	02/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	Bell Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	3	Opposing Demand Flow Rate, veh/h	2
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.8
Speed Slope Coefficient	3.19726	Speed Power Coefficient	0.65910
PF Slope Coefficient	-1.12135	PF Power Coefficient	0.83014
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	55.8

Vehicle Results

Average Speed, mi/h	55.8	Percent Followers, %	1.0
Segment Travel Time, minutes	1.08	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	02/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	Follett Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	12	Opposing Demand Flow Rate, veh/h	8
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.01

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.8
Speed Slope Coefficient	3.21071	Speed Power Coefficient	0.64502
PF Slope Coefficient	-1.13361	PF Power Coefficient	0.82642
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	55.8

Vehicle Results

Average Speed, mi/h	55.8	Percent Followers, %	2.9
Segment Travel Time, minutes	1.08	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	02/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	Weatherby Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	6	Opposing Demand Flow Rate, veh/h	3
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.8
Speed Slope Coefficient	3.20073	Speed Power Coefficient	0.65542
PF Slope Coefficient	-1.12454	PF Power Coefficient	0.82917
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	55.8

Vehicle Results

Average Speed, mi/h	55.8	Percent Followers, %	1.5
Segment Travel Time, minutes	1.08	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		

HCS7 Two-Lane Highway Report

Project Information

Analyst	BH	Date	02/24/2021
Agency	PDE	Analysis Year	2022
Jurisdiction	NYSDOT	Time Period Analyzed	Proposed
Project Description	White Rd	Unit	United States Customary

Segment 1

Vehicle Inputs

Segment Type	Passing Zone	Length, ft	5280
Lane Width, ft	9	Shoulder Width, ft	0
Speed Limit, mi/h	55	Access Point Density, pts/mi	3.0

Demand and Capacity

Directional Demand Flow Rate, veh/h	3	Opposing Demand Flow Rate, veh/h	2
Peak Hour Factor	0.90	Total Trucks, %	5.20
Segment Capacity, veh/h	1700	Demand/Capacity (D/C)	0.00

Intermediate Results

Segment Vertical Class	1	Free-Flow Speed, mi/h	55.8
Speed Slope Coefficient	3.19726	Speed Power Coefficient	0.65910
PF Slope Coefficient	-1.12135	PF Power Coefficient	0.83014
In Passing Lane Effective Length?	No	Total Segment Density, veh/mi/ln	0.0
%Improved % Followers	0.0	% Improved Avg Speed	0.0

Subsegment Data

#	Segment Type	Length, ft	Radius, ft	Superelevation, %	Average Speed, mi/h
1	Tangent	5280	-	-	55.8

Vehicle Results

Average Speed, mi/h	55.8	Percent Followers, %	1.0
Segment Travel Time, minutes	1.08	Followers Density, followers/mi/ln	0.0
Vehicle LOS	A		