APPENDIX 16-8

HIGHWAY CAPACITY SOFTWARE (HCS) LEVEL OF SERVICE OUTPUT

		HCS Two-La	ne Hig	Jhway Re	port	
Projec	t Information					
Analyst		ВН	Dat	e		8/30/2023
Agency		DTS Provident	Ana	lysis Year		2023
Jurisdicti	ion	NYSDOT	Tim	e Analyzed		Existing
Project D	Description	Argersinger Road	Uni	ts		U.S. Customary
		Se	egmen	t 1		
Vehicl	e Inputs					
Segment	t Type	Passing Zone	Len	gth, ft		5280
Lane Wid	dth, ft	11	Sho	ulder Width, f	t	0
Speed Li	imit, mi/h	55	Acc	ess Point Dens	sity, pts/mi	3.0
Dema	nd and Capacity					
Direction	nal Demand Flow Rate, veh/h	21	Орр	posing Deman	d Flow Rate, veh/h	14
Peak Ho	ur Factor	0.90	Tota	al Trucks, %		5.00
Segment	t Capacity, veh/h	1700	Der	mand/Capacity	(D/C)	0.01
Intern	nediate Results					
Segment	t Vertical Class	1	Free	e-Flow Speed,	mi/h	57.0
Speed SI	lope Coefficient (m)	3.28660	Spe	ed Power Coe	fficient (p)	0.63433
PF Slope	e Coefficient (m)	-1.13931	PF F	Power Coefficie	ent (p)	0.82732
In Passin	ng Lane Effective Length?	No	Tota	al Segment De	nsity, veh/mi/ln	0.0
%Improv	vement to Percent Followers	0.0	%ln	nprovement to	Speed	0.0
Subse	gment Data					
# Se	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tai	ngent	5280	-		-	57.0
Vehicl	e Results					<u> </u>
Average	Speed, mi/h	57.0	Perd	cent Followers,	, %	4.6
Segment	t Travel Time, minutes	1.05	Foll	ower Density (FD), followers/mi/ln	0.0
Vehicle L	_OS	А				
Facilit	y Results		,			·
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS
1	5	0.00			0.0	A

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		HCS Two-La	ne Hig	hway Re	port		
Projec	t Information						
Analyst		ВН	Date	e		8/30/2023	
Agency		DTS Provident	Ana	lysis Year		2023	
Jurisdiction	on	NYSDOT	Tim	e Analyzed		Existing	
Project D	escription	Borden Road	Unit	:S		U.S. Customary	
		Se	egmen	t 1			
Vehicle	e Inputs						
Segment	Туре	Passing Zone	Len	gth, ft		5280	
Lane Wid	lth, ft	12	Sho	ulder Width, ft	t	0	
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	ity, pts/mi	3.0	
Demar	nd and Capacity		·				
Direction	al Demand Flow Rate, veh/h	11	Орр	oosing Deman	d Flow Rate, veh/h	11	
Peak Hou	ır Factor	0.90	Tota	Total Trucks, %		8.00	
Segment	Capacity, veh/h	1700	Den	nand/Capacity	(D/C)	0.01	
Interm	nediate Results						
Segment	Vertical Class	1	Free	e-Flow Speed,	mi/h	57.5	
Speed Slo	ope Coefficient (m)	3.30886	Spe	ed Power Coe	fficient (p)	0.63924	
PF Slope	Coefficient (m)	-1.13308	PF F	Power Coefficie	ent (p)	0.83063	
In Passing	g Lane Effective Length?	No	Tota	al Segment De	nsity, veh/mi/ln	0.0	
%Improv	ement to Percent Followers	0.0	%lm	provement to	Speed	0.0	
Subse	gment Data						
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h	
1 Tan	ngent	5280	-		-	57.5	
Vehicle	e Results	•					
Average :	Speed, mi/h	57.5	Perc	ent Followers,	%	2.7	
Segment Travel Time, minutes 1.04		1.04	Follo	ower Density (FD), followers/mi/ln	0.0	
Vehicle Lo	OS	А					
Facility	y Results	•					
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS	
1	3	0.00			0.0	А	

		HCS Two-La	ne Hi	ighway Re	port	
Proje	ct Information					
Analyst		ВН	D	ate		8/30/2023
Agency		DTS Provident	A	nalysis Year		2023
Jurisdict	tion	NYSDOT	Ti	ime Analyzed		Existing
Project I	Description	Fisher Road	U	nits		U.S. Customary
		Se	egme	nt 1		
Vehic	le Inputs					
Segmen	nt Type	Passing Zone	Le	ength, ft		5280
Lane Wi	idth, ft	11	Sł	houlder Width, ft		0
Speed L	imit, mi/h	55	A	ccess Point Dens	ity, pts/mi	3.0
Dema	and Capacity					
Directio	nal Demand Flow Rate, veh/h	10	О	pposing Demand	d Flow Rate, veh/h	21
Peak Ho	our Factor	0.90	To	otal Trucks, %		1.00
Segmen	nt Capacity, veh/h	1700	D	emand/Capacity	(D/C)	0.01
Intern	nediate Results					
Segmen	nt Vertical Class	1	Fr	ree-Flow Speed,	mi/h	57.1
Speed S	Slope Coefficient (m)	3.30205	Sp	peed Power Coef	ficient (p)	0.62612
PF Slope	e Coefficient (m)	-1.14650	PI	F Power Coefficie	ent (p)	0.82495
In Passir	ng Lane Effective Length?	No	To	otal Segment Dei	nsity, veh/mi/ln	0.0
%Impro	vement to Percent Followers	0.0	%	Improvement to	Speed	0.0
Subse	egment Data					
# Se	egment Type	Length, ft	Radius	s, ft	Superelevation, %	Average Speed, mi/h
1 Ta	angent	5280	-		-	57.1
Vehic	le Results					
Average	e Speed, mi/h	57.1	Pe	ercent Followers,	%	2.5
Segmen	nt Travel Time, minutes	1.05	Fo	ollower Density (FD), followers/mi/ln	0.0
Vehicle	Vehicle LOS A					
Facilit	ty Results					
Т	VMT veh-mi/AP	VHD veh-h/p		Follower Density, followers/		LOS
1	2	0.00			0.0	A

		HCS Two-Lar	ne Hig	jhway Re	port	
Project Inf	ormation					
Analyst		ВН	Dat	e		8/30/2023
Agency		DTS Provident	Ana	alysis Year		2023
Jurisdiction		NYSDOT	Tim	ie Analyzed		Existing
Project Descrip	tion	Hyney Hill Road	Uni	ts		U.S. Customary
		Se	egmen	t 1		
Vehicle Inp	outs					
Segment Type		Passing Zone	Len	gth, ft		5280
Lane Width, ft		11	Sho	oulder Width, ft	ī	0
Speed Limit, m	i/h	55	Acc	ess Point Dens	ity, pts/mi	3.0
Demand a	nd Capacity					
Directional Der	mand Flow Rate, veh/h	11	Орг	posing Deman	d Flow Rate, veh/h	16
Peak Hour Fact	or	0.90	Tota	al Trucks, %		6.00
Segment Capac	city, veh/h	1700	Der	mand/Capacity	(D/C)	0.01
Intermedia	nte Results					
Segment Vertic	al Class	1	Free	e-Flow Speed,	mi/h	57.0
Speed Slope Co	pefficient (m)	3.28628	Spe	ed Power Coef	fficient (p)	0.63284
PF Slope Coeffi	cient (m)	-1.14062	PF I	Power Coefficie	ent (p)	0.82698
In Passing Lane	e Effective Length?	No	Tota	al Segment De	nsity, veh/mi/ln	0.0
%Improvement	t to Percent Followers	0.0	%ln	nprovement to	Speed	0.0
Subsegme	nt Data					
# Segment	Туре	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tangent		5280	-		-	57.0
Vehicle Res	sults					
Average Speed	, mi/h	57.0	Per	cent Followers,	%	2.7
Segment Trave	l Time, minutes	1.05 Follower Density (FD), followers/mi/ln		0.0		
Vehicle LOS		А				
Facility Res	sults					
Т	VMT veh-mi/AP	VHD veh-h/p		Follower Density, followers/		LOS
1	3	0.00			0.0	А

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		HCS Two-La	ne Hig	hway Re	port	
Projec	t Information					
Analyst		ВН	Date	e		8/30/2023
Agency		DTS Provident	Ana	lysis Year		2023
Jurisdiction	on	NYSDOT	Tim	e Analyzed		Existing
Project D	Description Description	Logtown Road	Unit	:S		U.S. Customary
		Se	egmen	t 1		
Vehicle	e Inputs					
Segment	Туре	Passing Zone	Len	gth, ft		5280
Lane Wid	lth, ft	11	Sho	ulder Width, ft	<u> </u>	0
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	ity, pts/mi	3.0
Demar	nd and Capacity					
Direction	al Demand Flow Rate, veh/h	38	Орр	oosing Deman	d Flow Rate, veh/h	41
Peak Hou	ur Factor	0.90	Tota	al Trucks, %		6.00
Segment	: Capacity, veh/h	1700	Den	nand/Capacity	(D/C)	0.02
Interm	nediate Results					
Segment	Vertical Class	1	Free	e-Flow Speed,	mi/h	57.0
Speed Slo	ope Coefficient (m)	3.31187	Spe	ed Power Coe	fficient (p)	0.60789
PF Slope	Coefficient (m)	-1.16259	PF F	Power Coefficie	ent (p)	0.82042
In Passing	g Lane Effective Length?	No	Tota	al Segment De	nsity, veh/mi/ln	0.1
%Improv	rement to Percent Followers	0.0	%lm	provement to	Speed	0.0
Subse	gment Data					
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tan	ngent	5280	-		-	57.0
Vehicle	e Results					
Average :	Speed, mi/h	57.0	Perd	ent Followers,	%	7.6
Segment Travel Time, minutes 1.05		1.05	Follo	ower Density (FD), followers/mi/ln	0.1
Vehicle Lo	OS	А				
Facility	y Results	•				
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS
1	9	0.00			0.1	А

		HCS Two-La	ane Hig	hway Re	port	
Projec	t Information					
Analyst		ВН	Date	e		8/30/2023
Agency		DTS Provident	Ana	lysis Year		2023
Jurisdicti	on	NYSDOT	Tim	e Analyzed		Existing
Project D	Description	Mill Point Road	Unit	:s		U.S. Customary
		9	Segmen	t 1		
Vehicle	e Inputs					
Segment	t Type	Passing Zone	Len	gth, ft		5280
Lane Wic	dth, ft	12	Sho	ulder Width, f	t	0
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	sity, pts/mi	3.0
Demar	nd and Capacity					
Direction	nal Demand Flow Rate, veh/h	47	Орр	oosing Deman	d Flow Rate, veh/h	47
Peak Hou	ur Factor	0.90	Tota	al Trucks, %		16.00
Segment	t Capacity, veh/h	1700	Den	nand/Capacity	(D/C)	0.03
Interm	nediate Results					
Segment	t Vertical Class	1	Free	e-Flow Speed,	mi/h	57.2
Speed SI	ope Coefficient (m)	3.33069	Spe	Speed Power Coefficient (p)		0.60379
PF Slope	Coefficient (m)	-1.16425	PF F	Power Coefficie	ent (p)	0.82169
In Passin	g Lane Effective Length?	No	Tota	l Segment De	nsity, veh/mi/ln	0.1
%Improv	vement to Percent Followers	0.0	%lm	nprovement to	Speed	0.0
Subse	gment Data					
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tar	ngent	5280			-	57.2
Vehicle	e Results					·
Average	Speed, mi/h	57.2	Perd	cent Followers,	, %	9.0
Segment	Segment Travel Time, minutes 1.05 Fo		Foll	ower Density (FD), followers/mi/ln	0.1
Vehicle L	.OS	А				
Facility	y Results					
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS
1	11	0.00			0.1	А

		HCS Two-La	ne Hig	hway Re	port	
Projec	t Information					
Analyst		ВН	Date	е		8/30/2023
Agency		DTS Provident	Ana	lysis Year		2023
Jurisdiction	on	NYSDOT	Tim	e Analyzed		Existing
Project D	Pescription	NY-5S	Unit	:S		U.S. Customary
		Se	egmen	t 1		
Vehicle	e Inputs					
Segment	Туре	Passing Zone	Len	gth, ft		5280
Lane Wid	lth, ft	11	Sho	ulder Width, ft		4
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	ity, pts/mi	3.0
Demai	nd and Capacity					
Direction	al Demand Flow Rate, veh/h	7	Орр	oosing Deman	d Flow Rate, veh/h	20
Peak Hou	ur Factor	0.90	Tota	al Trucks, %		11.00
Segment	Capacity, veh/h	1700	Den	nand/Capacity	(D/C)	0.00
Interm	nediate Results					
Segment	: Vertical Class	1	Free	e-Flow Speed,	mi/h	59.6
Speed Slo	ope Coefficient (m)	3.43449	Spe	Speed Power Coefficient (p)		0.62737
PF Slope	Coefficient (m)	-1.13544	PF F	Power Coefficie	ent (p)	0.83433
In Passing	g Lane Effective Length?	No	Tota	l Segment De	nsity, veh/mi/ln	0.0
%lmprov	rement to Percent Followers	0.0	%lm	nprovement to	Speed	0.0
Subse	gment Data					
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tar	ngent	5280	-		-	59.6
Vehicle	e Results					
Average	Speed, mi/h	59.6	Pero	ent Followers,	%	1.7
Segment	Segment Travel Time, minutes 1.01 Follower Density (FD),		FD), followers/mi/ln	0.0		
Vehicle L	OS	А				
Facility	y Results					·
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS
1	2	0.00			0.0	А

		HCS Two-La	ne Hi	ighway Re	port	
Projec	ct Information					
Analyst		ВН	D	ate		8/30/2023
Agency		DTS Provident	А	nalysis Year		2023
Jurisdict	ion	NYSDOT	Ti	ime Analyzed		Existing
Project [Description	NY-30A	U	Inits		U.S. Customary
		Se	egme	ent 1		
Vehicl	le Inputs					
Segmen	t Type	Passing Zone	Le	ength, ft		5280
Lane Wi	dth, ft	11	SI	houlder Width, ft	<u> </u>	1
Speed Li	imit, mi/h	55	A	ccess Point Dens	ity, pts/mi	3.0
Dema	nd and Capacity					
Direction	nal Demand Flow Rate, veh/h	102	0	pposing Demand	d Flow Rate, veh/h	107
Peak Ho	ur Factor	0.90	To	otal Trucks, %		16.00
Segmen	t Capacity, veh/h	1700	D	emand/Capacity	(D/C)	0.06
Intern	nediate Results					
Segmen	t Vertical Class	1	Fr	ree-Flow Speed,	mi/h	57.3
Speed S	lope Coefficient (m)	3.37235	Sį	peed Power Coef	fficient (p)	0.57131
PF Slope	e Coefficient (m)	-1.19275	PI	F Power Coefficie	ent (p)	0.81339
In Passir	ng Lane Effective Length?	No	To	otal Segment De	nsity, veh/mi/ln	0.3
%Improv	vement to Percent Followers	0.0	%	Improvement to	Speed	0.0
Subse	gment Data					
# Se	egment Type	Length, ft	Radius	s, ft	Superelevation, %	Average Speed, mi/h
1 Ta	ngent	5280	-		-	57.2
Vehicl	le Results					·
Average	Speed, mi/h	57.2	Pe	ercent Followers,	%	17.0
Segmen	t Travel Time, minutes	1.05	Fo	ollower Density (FD), followers/mi/ln	0.3
Vehicle I	LOS	А				
Facilit	y Results					
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS
1	23	0.00			0.3	A

		HCS Two-La	ne Hig	hway Re	port		
Projec	t Information						
Analyst		ВН	Date	e		8/30/2023	
Agency		DTS Provident	Ana	lysis Year		2023	
Jurisdiction	on	NYSDOT	Tim	e Analyzed		Existing	
Project D	Description Description	Van Epps Road	Unit	:S		U.S. Customary	
		Se	egmen	t 1			
Vehicle	e Inputs						
Segment	Туре	Passing Zone	Len	gth, ft		5280	
Lane Wid	lth, ft	11	Sho	ulder Width, ft	t	0	
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	ity, pts/mi	3.0	
Demai	nd and Capacity		·				
Direction	al Demand Flow Rate, veh/h	33	Орр	oosing Deman	d Flow Rate, veh/h	36	
Peak Hou	ur Factor	0.90	Tota	Total Trucks, %		2.00	
Segment	Capacity, veh/h	1700	Den	nand/Capacity	(D/C)	0.02	
Interm	nediate Results						
Segment	Vertical Class	1	Free	e-Flow Speed,	mi/h	57.1	
Speed Slo	ope Coefficient (m)	3.31443	Spe	ed Power Coe	fficient (p)	0.61232	
PF Slope	Coefficient (m)	-1.15865	PF F	Power Coefficie	ent (p)	0.82137	
In Passing	g Lane Effective Length?	No	Tota	al Segment De	nsity, veh/mi/ln	0.0	
%lmprov	rement to Percent Followers	0.0	%lm	provement to	Speed	0.0	
Subse	gment Data						
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h	
1 Tan	ngent	5280	-		-	57.1	
Vehicle	e Results	•					
Average	Speed, mi/h	57.1	Perc	ent Followers,	%	6.8	
Segment Travel Time, minutes 1.05		1.05	Follo	ower Density (FD), followers/mi/ln	0.0	
Vehicle L	OS	А					
Facility	y Results	•					
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS	
1	8	0.00			0.0	А	

		HCS Two-La	ne Hi	ighway Re	port	
Projec	ct Information					
Analyst		ВН	D	ate		8/30/2023
Agency		DTS Provident	А	nalysis Year		2023
Jurisdict	tion	NYSDOT	Ti	ime Analyzed		Proposed
Project I	Description	Argersinger Road	U	nits		U.S. Customary
		Se	egme	nt 1		
Vehic	le Inputs					
Segmen	nt Type	Passing Zone	Le	ength, ft		5280
Lane Wi	idth, ft	11	SI	houlder Width, ft		0
Speed L	imit, mi/h	55	A	ccess Point Dens	ity, pts/mi	3.0
Dema	and Capacity					
Direction	nal Demand Flow Rate, veh/h	21	0	pposing Demand	d Flow Rate, veh/h	14
Peak Ho	our Factor	0.90	To	otal Trucks, %		5.00
Segmen	nt Capacity, veh/h	1700	D	emand/Capacity	(D/C)	0.01
Intern	nediate Results					
Segmen	nt Vertical Class	1	Fr	ree-Flow Speed,	mi/h	57.0
Speed S	Slope Coefficient (m)	3.28660	Sį	peed Power Coef	ficient (p)	0.63433
PF Slope	e Coefficient (m)	-1.13931	PI	F Power Coefficie	ent (p)	0.82732
In Passir	ng Lane Effective Length?	No	To	otal Segment Dei	nsity, veh/mi/ln	0.0
%Impro	vement to Percent Followers	0.0	%	Improvement to	Speed	0.0
Subse	egment Data					
# Se	egment Type	Length, ft	Radius	s, ft	Superelevation, %	Average Speed, mi/h
1 Ta	ingent	5280	-		-	57.0
Vehic	le Results					
Average	e Speed, mi/h	57.0	Pe	ercent Followers,	%	4.6
Segmen	nt Travel Time, minutes	1.05	Fo	ollower Density (FD), followers/mi/ln	0.0
Vehicle I	LOS	А				
Facilit	ty Results					
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS
1	5	0.00			0.0	A

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		HCS Two-La	ne Hig	hway Re	port	
Projec	t Information					
Analyst		ВН	Date	e		8/30/2023
Agency		DTS Provident	Ana	lysis Year		2023
Jurisdiction	on	NYSDOT	Tim	e Analyzed		Proposed
Project D	escription	Borden Road	Unit	:S		U.S. Customary
		Se	egmen	t 1		
Vehicle	e Inputs					
Segment	Туре	Passing Zone	Len	gth, ft		5280
Lane Wid	lth, ft	12	Sho	ulder Width, ft	t	0
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	ity, pts/mi	3.0
Demar	nd and Capacity		·			
Direction	al Demand Flow Rate, veh/h	11	Орр	oosing Deman	d Flow Rate, veh/h	11
Peak Hou	ır Factor	0.90	Tota	Total Trucks, %		8.00
Segment	Capacity, veh/h	1700	Den	nand/Capacity	(D/C)	0.01
Interm	nediate Results					
Segment	Vertical Class	1	Free	e-Flow Speed,	mi/h	57.5
Speed Slo	ope Coefficient (m)	3.30886	Spe	ed Power Coe	fficient (p)	0.63924
PF Slope	Coefficient (m)	-1.13308	PF F	Power Coefficie	ent (p)	0.83063
In Passing	g Lane Effective Length?	No	Tota	al Segment De	nsity, veh/mi/ln	0.0
%Improv	ement to Percent Followers	0.0	%lm	provement to	Speed	0.0
Subse	gment Data					
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tan	ngent	5280	-		-	57.5
Vehicle	e Results					
Average :	Speed, mi/h	57.5	Perd	ent Followers,	%	2.7
Segment Travel Time, minutes 1.04		1.04	Foll	ower Density (FD), followers/mi/ln	0.0
Vehicle Lo	OS	А				
Facility	y Results					
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS
1	3	0.00			0.0	А

		HCS Two-La	ne Hig	ıhway Re	port	
Projec	t Information					
Analyst		ВН	Date	e		8/30/2023
Agency		DTS Provident	Ana	llysis Year		2023
Jurisdiction	on	NYSDOT	Tim	e Analyzed		Proposed
Project D	escription	Fisher Road	Unit	ts		U.S. Customary
		Se	egmen	t 1		
Vehicle	e Inputs					
Segment	Туре	Passing Zone	Len	gth, ft		5280
Lane Wid	lth, ft	11	Sho	ulder Width, ft	t	0
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	sity, pts/mi	3.0
Demar	nd and Capacity		·			
Direction	al Demand Flow Rate, veh/h	10	Орр	oosing Deman	d Flow Rate, veh/h	21
Peak Hou	ır Factor	0.90	Tota	Total Trucks, %		1.00
Segment	Capacity, veh/h	1700	Den	mand/Capacity	(D/C)	0.01
Interm	nediate Results		·			·
Segment	Vertical Class	1	Free	e-Flow Speed,	mi/h	57.1
Speed Slo	ope Coefficient (m)	3.30205	Spe	ed Power Coef	fficient (p)	0.62612
PF Slope	Coefficient (m)	-1.14650	PF F	Power Coefficie	ent (p)	0.82495
In Passing	g Lane Effective Length?	No	Tota	al Segment De	nsity, veh/mi/ln	0.0
%lmprov	ement to Percent Followers	0.0	%lm	nprovement to	Speed	0.0
Subsec	gment Data					
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tan	ngent	5280	-		-	57.1
Vehicle	e Results	•				
Average S	Speed, mi/h	57.1	Perd	cent Followers,	, %	2.5
Segment Travel Time, minutes 1.05		1.05	Foll	ower Density (FD), followers/mi/ln	0.0
Vehicle LO	OS	А				
Facility	y Results	•				
Т	VMT veh-mi/AP	VHD veh-h/p			ensity, followers/ mi/ln	LOS
1	2	0.00			0.0	А

		HCS Two-La	ne Hig	hway Re	port	
Projec	t Information					
Analyst		ВН	Date	e		8/30/2023
Agency		DTS Provident	Ana	lysis Year		2023
Jurisdiction	on	NYSDOT	Tim	e Analyzed		Proposed
Project D	escription	Hyney Hill Road	Unit	ts		U.S. Customary
		Se	egmen	t 1		
Vehicle	e Inputs					
Segment	Туре	Passing Zone	Len	gth, ft		5280
Lane Wid	lth, ft	11	Sho	ulder Width, ft	t	0
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	ity, pts/mi	3.0
Demai	nd and Capacity					
Direction	al Demand Flow Rate, veh/h	11	Орр	oosing Deman	d Flow Rate, veh/h	16
Peak Hou	ır Factor	0.90		Total Trucks, %		6.00
Segment Capacity, veh/h		1700 De		Demand/Capacity (D/C)		0.01
Interm	nediate Results					
Segment	Vertical Class	1	Free	e-Flow Speed,	mi/h	57.0
Speed Slo	ope Coefficient (m)	3.28628	Spe	ed Power Coef	fficient (p)	0.63284
PF Slope	Coefficient (m)	-1.14062		PF Power Coefficient (p)		0.82698
In Passing	g Lane Effective Length?	No	Total Segment Density, veh/mi/ln		0.0	
%Improv	ement to Percent Followers	0.0 %lm		6Improvement to Speed		0.0
Subse	gment Data					
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tan	ngent	5280	-		-	57.0
Vehicle	e Results	<u> </u>	•			
Average Speed, mi/h		57.0		Percent Followers, %		2.7
Segment Travel Time, minutes		1.05		Follower Density (FD), followers/mi/ln		0.0
Vehicle LOS		A				
Facility	y Results	•				
Т	VMT veh-mi/AP	VHD veh-h/p		Follower De	LOS	
1	3	0.00			0.0	А

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		HCS Two-La	ne Hig	hway Re	port	
Projec	t Information					
Analyst		ВН	Date	9		8/30/2023
Agency		DTS Provident	Ana	lysis Year		2023
Jurisdiction	on	NYSDOT	Tim	e Analyzed		Proposed
Project D	escription	Logtown Road	Unit	:S		U.S. Customary
		Se	egmen	t 1		
Vehicle	e Inputs					
Segment	Туре	Passing Zone	Len	gth, ft		5280
Lane Wid	lth, ft	11	Sho	ulder Width, ft	t	0
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	sity, pts/mi	3.0
Demar	nd and Capacity		·			
Direction	al Demand Flow Rate, veh/h	38	Орр	osing Deman	d Flow Rate, veh/h	41
Peak Hou	ır Factor	0.90		l Trucks, %		6.00
Segment Capacity, veh/h		1700 D		Demand/Capacity (D/C)		0.02
Interm	nediate Results					
Segment Vertical Class		1	Free	-Flow Speed,	mi/h	57.0
Speed Slo	ope Coefficient (m)	3.31187	Spe	ed Power Coe	fficient (p)	0.60789
PF Slope	Coefficient (m)	-1.16259	PF F	PF Power Coefficient (p)		0.82042
In Passing	sing Lane Effective Length? No Total Segment Density, veh/mi/ln		0.1			
%Improv	ement to Percent Followers	0.0 %I		%Improvement to Speed		0.0
Subse	gment Data					
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tan	ngent	5280	-	-		57.0
Vehicle	e Results					
Average Speed, mi/h		57.0	Perd	Percent Followers, %		7.6
Segment Travel Time, minutes		1.05	Follo	Follower Density (FD), followers/mi/ln		0.1
Vehicle LOS		A				
Facility	y Results	•				
Т	VMT veh-mi/AP	VHD veh-h/p		Follower Density, followers/		LOS
1	9	0.00			0.1	А

		HCS Two-La	ne Hi	ighway Re	port	
Projec	ct Information					
Analyst		ВН	D	ate		8/30/2023
Agency		DTS Provident	А	nalysis Year		2023
Jurisdict	ion	NYSDOT	Ti	ime Analyzed		Proposed
Project [Description	Mill Point Road	U	Inits		U.S. Customary
		Se	egme	ent 1		
Vehicl	le Inputs					
Segmen	t Type	Passing Zone	Le	ength, ft		5280
Lane Wi	dth, ft	12	S	houlder Width, ft	i e	0
Speed L	imit, mi/h	55	Α	ccess Point Dens	ity, pts/mi	3.0
Dema	nd and Capacity					
Direction	nal Demand Flow Rate, veh/h	263	0	pposing Demand	d Flow Rate, veh/h	263
Peak Ho	our Factor	0.90	To	otal Trucks, %		14.95
Segmen	t Capacity, veh/h	1700 D		Demand/Capacity (D/C)		0.15
Intern	nediate Results					
Segmen	t Vertical Class	1	Fi	ree-Flow Speed,	mi/h	57.3
Speed S	lope Coefficient (m)	3.42998	S	Speed Power Coefficient (p)		0.52320
PF Slope	e Coefficient (m)	-1.23607		PF Power Coefficient (p)		0.79983
In Passir	ng Lane Effective Length?	No		Total Segment Density, veh/mi/ln		1.6
%Impro	vement to Percent Followers	0.0 %		%Improvement to Speed		0.0
Subse	gment Data					
# Se	egment Type	Length, ft	Radius	s, ft	Superelevation, %	Average Speed, mi/h
1 Ta	ngent	5280	-		-	55.9
Vehicl	le Results					<u> </u>
Average	Speed, mi/h	55.9 F		Percent Followers, %		34.6
Segment Travel Time, minutes		1.07		Follower Density (FD), followers/mi/ln		1.6
Vehicle LOS		А				
Facilit	y Results					
Т	VMT veh-mi/AP	VHD veh-h/p		Follower Density, followers/ LOS mi/ln		
1	59	0.02			1.6	A

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HCS Two-Lane Highway Report										
Project Informa	ation									
Analyst		ВН	Dat	e		8/30/2023				
Agency		DTS Provident	Ana	alysis Year		2023				
Jurisdiction		NYSDOT	Tim	ne Analyzed		Proposed				
Project Description		NY-5S	Uni	ts		U.S. Customary				
	Segment 1									
Vehicle Inputs										
Segment Type		Passing Zone	Len	gth, ft		5280				
Lane Width, ft		11	Sho	oulder Width, ft	t	4				
Speed Limit, mi/h		55	Acc	ess Point Dens	ity, pts/mi	3.0				
Demand and Ca	apacity									
Directional Demand F	Flow Rate, veh/h	76	Орј	posing Deman	d Flow Rate, veh/h	88				
Peak Hour Factor		0.90	Tota	al Trucks, %		34.33				
Segment Capacity, ve	eh/h	1700	Der	mand/Capacity	(D/C)	0.04				
Intermediate R	esults									
Segment Vertical Clas	SS	1	Free	e-Flow Speed,	mi/h	58.8				
Speed Slope Coefficient (m) 3.44315 Speed Power Coefficient (p)		fficient (p)	0.57993							
PF Slope Coefficient (m)	-1.17742	PF F	Power Coefficie	ent (p)	0.82291				
In Passing Lane Effect	tive Length?	No	Tota	al Segment De	nsity, veh/mi/ln	0.2				
%Improvement to Pe	rcent Followers	0.0	%ln	nprovement to	Speed	0.0				
Subsegment Da	ata									
# Segment Type		Length, ft	Radius, f	ft	Superelevation, %	Average Speed, mi/h				
1 Tangent		5280	-		-	58.8				
Vehicle Results										
Average Speed, mi/h	58.8 Perce		rcent Followers, %		13.1					
Segment Travel Time, minutes		1.02		Follower Density (FD), followers/mi/ln		0.2				
Vehicle LOS A										
Facility Results										
Т	VMT reh-mi/AP	VHD veh-h/p		Follower Density, followers/ LOS mi/ln						
1	17	0.00			0.2	А				

HCS Two-Lane Highway Report										
Project Information										
Analyst	вн	Dat	te		8/30/2023					
Agency	DTS Provident	Ana	alysis Year		2023					
Jurisdiction	NYSDOT	Tim	ne Analyzed		Proposed					
Project Description	NY-30A	Uni	its		U.S. Customary					
	Segment 1									
Vehicle Inputs										
Segment Type	Passing Zone	Len	ngth, ft		5280					
Lane Width, ft	11	Sho	oulder Width, ft	:	1					
Speed Limit, mi/h	55	Acc	cess Point Dens	ity, pts/mi	3.0					
Demand and Capacity										
Directional Demand Flow Rate, veh/h	409	Ор	posing Demand	d Flow Rate, veh/h	412					
Peak Hour Factor	0.90	Tot	al Trucks, %		22.17					
Segment Capacity, veh/h	1700	Der	mand/Capacity	(D/C)	0.24					
Intermediate Results										
Segment Vertical Class	1		e-Flow Speed, 1	mi/h	57.1					
Speed Slope Coefficient (m)	3.46462		eed Power Coef	ficient (p)	0.49486					
PF Slope Coefficient (m)	-1.26089		PF Power Coefficient (p)		0.79204					
In Passing Lane Effective Length?	No	Tot	al Segment Der	nsity, veh/mi/ln	3.4					
%Improvement to Percent Followers	0.0	%lr	mprovement to	Speed	0.0					
Subsegment Data										
# Segment Type	Length, ft	Radius, f	ft	Superelevation, %	Average Speed, mi/h					
1 Tangent	5280	-		-	55.2					
Vehicle Results										
Average Speed, mi/h 55.2 Percent Followers, %				%	46.3					
Segment Travel Time, minutes	1.09		Follower Density (FD), followers/mi/ln		3.4					
Vehicle LOS	В									
Facility Results										
T VMT veh-mi/AP	VHD veh-h/p		Follower Density, followers/ LOS mi/ln							
1 92	0.06			3.4	В					

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		HCS Two-La	ne Hig	hway Re	port	
Projec	t Information					
Analyst		ВН	Date	e		8/30/2023
Agency		DTS Provident	Ana	lysis Year		2023
Jurisdiction	on	NYSDOT	Tim	e Analyzed		Proposed
Project D	Pescription	Van Epps Road	Unit	:S		U.S. Customary
		Se	egmen	t 1		
Vehicle	e Inputs					
Segment	: Туре	Passing Zone	Len	gth, ft		5280
Lane Wid	dth, ft	11	Sho	ulder Width, ft	t	0
Speed Lir	mit, mi/h	55	Acc	ess Point Dens	ity, pts/mi	3.0
Demai	nd and Capacity		·			
Direction	nal Demand Flow Rate, veh/h	496	Орр	oosing Deman	d Flow Rate, veh/h	498
Peak Hou	ur Factor	0.90	Tota	al Trucks, %		21.50
Segment Capacity, veh/h		1700 [Demand/Capacity (D/C)		0.29
Interm	nediate Results					
Segment Vertical Class		1	Free	e-Flow Speed,	mi/h	56.4
Speed Slo	ope Coefficient (m)	3.44870	Spe	ed Power Coet	fficient (p)	0.48237
PF Slope	Coefficient (m)	-1.27501	PF F	PF Power Coefficient (p)		0.78597
In Passing	g Lane Effective Length?	No	Tota	l Segment De	nsity, veh/mi/ln	4.8
%Improv	rement to Percent Followers	0.0 %		%Improvement to Speed		0.0
Subse	gment Data					
# Seg	gment Type	Length, ft	Radius, f	t	Superelevation, %	Average Speed, mi/h
1 Tan	ngent	5280	-		-	54.2
Vehicle	e Results	•				
Average Speed, mi/h		54.2	Perc	Percent Followers, %		52.0
Segment Travel Time, minutes		1.11	Follo	Follower Density (FD), followers/mi/ln		4.8
Vehicle LOS		С				
Facility	y Results	•				
Т	VMT veh-mi/AP	VHD veh-h/p		Follower De	LOS	
1	112	0.08			4.8	С

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