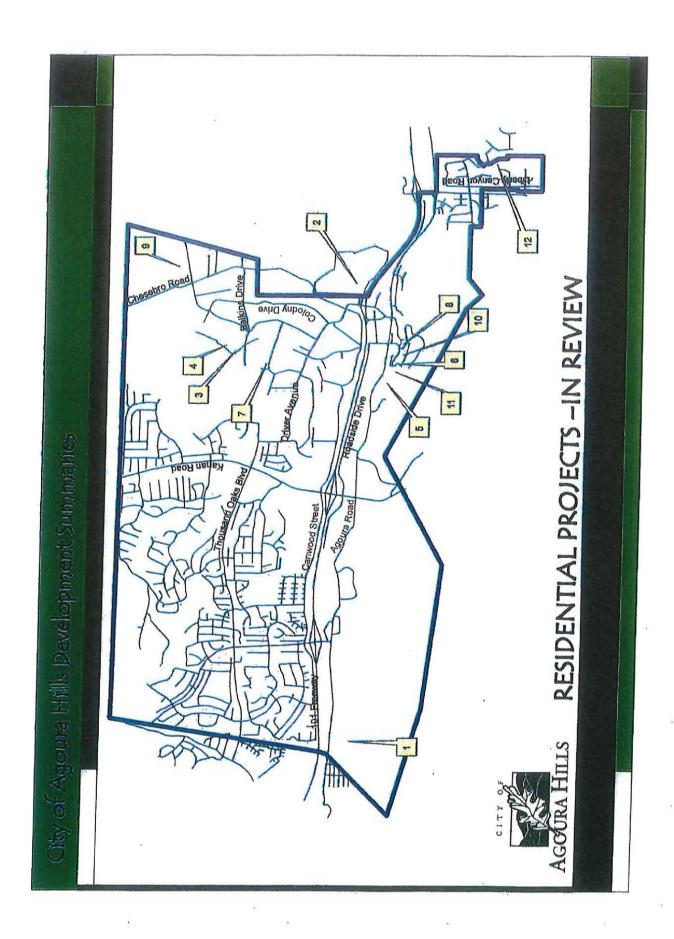
RESIL	ENTIAL P	ROJECTS	APPROVE	RESIDENTIAL PROJECTS APPROVED - JUNE 2015	15			
map No.	map No. Project Name	Case No.	Project Location	Parcel No.	Site	Use Sqft.	Project	City Contact
4	Abudalu, Joseph	06-CUP-019	28302 Laura La	7007 700 700	n/ho		Description	
\	_		Plante Drive	2061-022-051	0.53 acres (23,090 sq.ft.)	3,630 sq. ft.	Construct 3,230 sq. ft., 2-story S.F.D. with a 400 sq. ft. attached garage.	
8P	Manny Montes	42 CDD 000					Env. Review: Catex	R. Madrigal (818) 597-7339
		Zonal Incor	9427 Colodny Drive	2055-013-015	1 acre (43,560 sq. ft.)	1,218 sq. ft. + 1,153 sq. ft.	Addition to main house and a new garage and recreation room	
de	lilke and Dardoir						Env. Review: Catex	R. Madrigal (818) 597-7339
1	Texidor		28400 Renee Drive	2061-021-002	0.14 acres (6,183 sq. ft.)	2,540 sq. ft. + 543 sq.ft.	2,539 sq.ft., two-story, single-family residence and 543 sq. ft. attached garage.	
10b	Michael All						Env. Review: Catex	R. Madrigal (818) 597-7339
		SPR-01005-2014 VAR-01005-2014 OAK-01007-2014 14-SPR-005 14-VAR-002 14-OTP-024	6055 Hackers Lane	2056-023-016	0.27 acreas (11,609 sq. ft.)	964 sq. ft.	Request to add 964 sqft to an existing single family residence	N N N N N N N N N N N N N N N N N N N
				5	5:00		Env. Review: Catex	(818) 597-7339

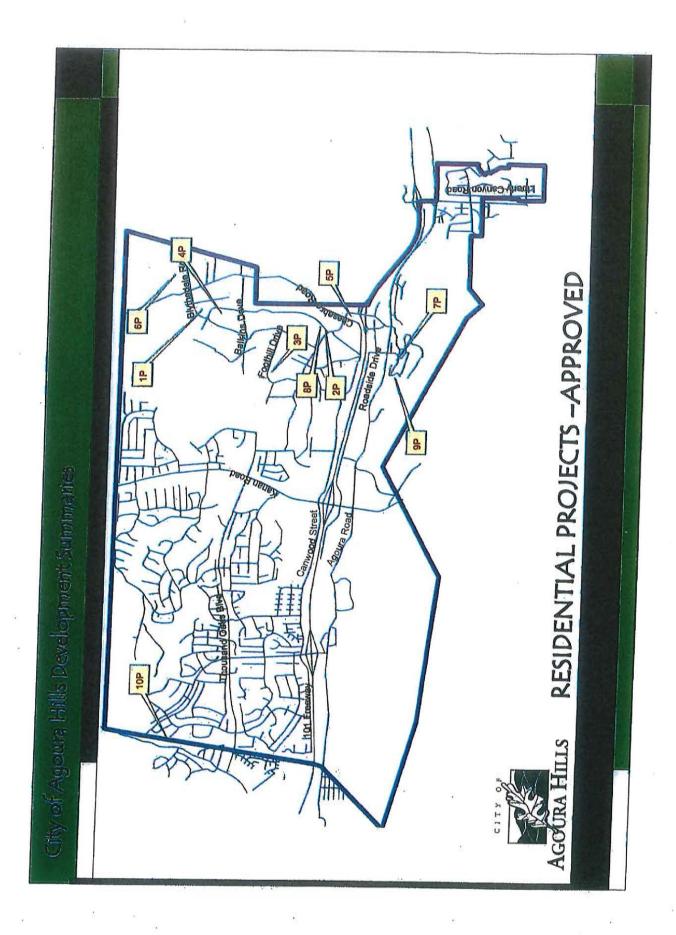
SECIDENTIAL DOO ITOTO SECTOR				
CESTS FINAL PROJECTS APPROVED TOTALS	ACRES	SQ.FT.	# OF UNITS	
New Construction	4.59	58,168	23	
Room Additions	3.42	4,334	4	

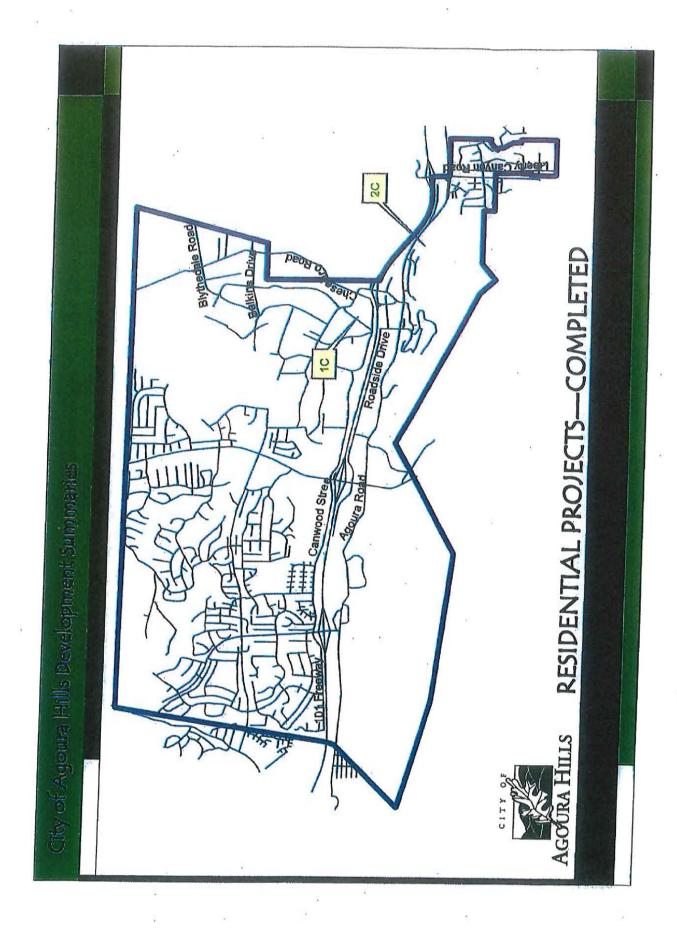
City of Agoura Hills June 2015

COMPLETED	See	Jie 341. Ose 541. Project Description Env. Review			2061-014-007 10.58 acres Three models from 24 Single-Family EIR through 015 & 2061- (460,864 sq.ft.) 2,777 to 3,235 sqft. Residences 84,945 sqft. 2061-014-23 through 20 & 24,945 sqft. 26	
RESIDENTIAL PROJECTS RECENTLY COMPIFTED	Project Parcel N			4	ou Agoura	91
ROJECTS	Case No.		12-SPR-004	03-01 10 040	32-VAR-005 TI 03-VAR-005 TI 48901 (Formerly: TT48901, 90- CUP-010, 98-	
ENTIAL PR	Project Name		Tracy Hrach	Williams Homes		
RESID	Map No.		5	200		,

	TOTALS ACRES SQ.FT. # OF UNITS	New Dwellling Units 10.89 93,337.00 29	ditions 0.00 0.00 0	0 000 000
DESIDENTIAL DES	NESIDENTIAL PROJECTS COMPLETED TOTALS	Completed New Dw	Completed Room Additions	Jeuro







ROADWAY LEVEL OF SERVICE CALCULATION WORKSHEETS

DIRECTIONAL TWO-LANE HIG	SHWAY SEGMENT WORK	SHEET
General Information	Site Information	
Analyst Darryl F. Nelson	Highway / Direction of Travel	Agoura Road Westbound
Agency or Company ATE Date Performed 9/15/2015	From/To Jurisdiction	Roadside Drive/Kanan Road City of Agoura Hills
Analysis Time Period P.M. Peak Hour	Analysis Year	Existing Conditions
Project Description: Courtyard & Townplace Suites		OLD AND COUNTY TO A CASE IN COMPANIES AND CO
Input Data		
\$\Delta\ Shoulder widthtt		
Lane widthtt	✓ Class I highway	☐ Class II highway ☐ Class III
Lane widthtt	highway	Oldso it riighway Oldso jiii
\$\frac{1}{2} \text{ Shoulder width } tt	Terrain ✓ Le	vel Rolling
	Grade Length mi	Up/down
Segment length, L _t mi	Peak-hour factor, PH	
An altered discoular and M. 240 ability	No-passing zone Show North Arrow % Trucks and Buses	100% , P _T 6 %
Analysis direction vol., V _d 313veh/h		
Opposing direction vol., V _o 425veh/h	% Recreational vehic	- 1870 - 1880 - 1
Shoulder width ft 6.0 Lane Width ft 12.0	Access points mi	22/mi
Lane Width ft 12.0 Segment Length mi 0.3		
Average Travel Speed	T	T 0 1 81 1 1
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.3	1.2
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV,ATS}=1/(1+P_T(E_T-1)+P_R(E_R-1))$	0,982	0.988
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	1.00	1.00
Demand flow rate ² , v _j (pc/h) v _i =V _i / (PHF* f _{g,ATS} * f _{HV,ATS})	358	483
Free-Flow Speed from Field Measurement		ee-Flow Speed
	Base free-flow speed ⁴ , BFFS	45.0 mi/h
Mean speed of sample ³ , S _{FM}	Adj. for lane and shoulder width, 4 f _{LS} (Exhi	bit 15-7) 0.0 mi/h
Fotal demand flow rate, both directions, <i>v</i>	Adj. for access points ⁴ , f _A (Exhibit 15-8)	5.5 mi/h
	Free-flow speed, FFS (FSS=BFFS-f _{LS} -f _A)	39.5 mi/h
Free-flow speed, FFS=S _{FM} +0.00776(v/ f _{HV,ATS})	Average travel speed, ATS _d =FFS-0.00776	
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 2.3 mi/h		d,ATS vo,ATS 30.6 mi/h
1	[†] np,ATS Percent free flow speed, PFFS	77.6 %
Percent Time-Spent-Following	4	
2	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.1	. 1.0
assenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0
leavy-vehicle adjustment factor, f_{HV} =1/ (1+ $P_T(E_T$ -1)+ $P_R(E_R$ -1))	0.994	1.000
trade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	1.00	1.00
irectional flow rate ² , v _i (pc/h) v _i =V _i /(PHF*f _{HV,PTSF} * f _{g,PTSF})	354	478
ase percent time-spent-following ⁴ , BPTSF _d (%)=100(1-e ^{av} d ^b)	40	0.4
dj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	4	1.8
ercent time-spent-following, PTSF _d (%)=BPTSF _d +f _{np,PTSF} *(v _{d,PTSF} / v _{d,PTSF} +	(4)	3.2
p,PTSF)	50	1.2
evel of Service and Other Performance Measures		
evel of service, LOS (Exhibit 15-3)		
olume to capacity ratio, v/c	0.	21
apacity, C _{d,ATS} (Equation 15-12) veh/h	16	80
apacity, C _{d,PTSF} (Equation 15-13) veh/h	17	00
ercent Free-Flow Speed PFFS _d (Equation 15-11 - Class III only)	77	.6 4Ö

Bicycle Level of Service		
Directional demand flow rate in outside lane, v _{OL} (Eq. 15-24) veh/h	. 351.7	
Effective width, Wv (Eq. 15-29) ft	24.00	
Effective speed factor, S _t (Eq. 15-30)	4.79	
Bicycle level of service score, BLOS (Eq. 15-31)	3.46	
Bicycle level of service (Exhibit 15-4)	С	
Notes		

1. Note that the adjustment factor for level terrain is 1.00,as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.

2. If v_i(v_d or v_o) >=1,700 pc/h, terminate analysis--the LOS is F.

3. For the analysis direction only and for v>200 veh/h.
4. For the analysis direction only
5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.
6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.

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DIRECTIONAL TWO-LANE HIG	GHWAY SEGMENT WORK	SHEET
General Information	Site Information	
Analyst Darryl F. Nelson	Highway / Direction of Travel	Agoura Road Eastbound
Agency or Company ATE Date Performed 9/15/2015	From/To Jurisdiction	Roadside Drive/Kanan Road City of Agoura Hills
Analysis Time Period P.M. Peak Hour	Analysis Year	Existing Conditions
Project Description: Courtyard & Townplace Suites		
Input Data		
\$\frac{1}{2} \Shoulder widthtt		
Lane width tt	. Class I highway	Class II highway Class III
Lane width	highway	Class II riighway Class III
\$\frac{1}{4} \text{ Shoulder width } tt	Terrain ☑ Le	vel Rolling
	Grade Length mi	Up/down
Segment length, L _t mi	Peak-hour factor, PH No-passing zone	F 0.89 100%
Analysis direction vol., V _d 425veh/h	Show North Arrow % Trucks and Buses	
Opposing direction vol., V _o 313veh/h	% Recreational vehic	
Shoulder width ft 6.0	Access points mi	0/mi
Lane Width ft 12.0	1.65555 ps.11.6 11.1	V////
Segment Length mi 0.3		
Average Travel Speed	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.2	1.3
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV,ATS}=1/(1+P_T(E_T-1)+P_R(E_R-1))$	0.988	0.982
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	1.00	1.00
Demand flow rate ² , v _j (pc/h) v _i =V _i / (PHF* f _{g,ATS} * f _{HV,ATS})	483	358
Free-Flow Speed from Field Measurement	Estimated Fr	ee-Flow Speed
•	Base free-flow speed ⁴ , BFFS	45.0 mi/h
es same a a ran	Adj. for lane and shoulder width,4 fLs(Exhi	bit 15-7) 0.0 mi/h
Mean speed of sample ³ , S _{FM}	Adj. for access points ⁴ , f _A (Exhibit 15-8)	0.0 mi/h
Total demand flow rate, both directions, v	Free-flow speed, FFS (FSS=BFFS-f _{LS} -f _A)	
Free-flow speed, FFS=S _{FM} +0.00776(v/ f _{HV,ATS})		
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 3.0 mi/h	Average travel speed, ATS _d =FFS-0.00776	O(V _{d,ATS} + V _{o,ATS}) - 35.5 mi/h
	f _{np,ATS} Percent free flow speed, PFFS	78.9 %
Percent Time-Spent-Following	reitent nee now speed, FFF 3	70.9 70
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.0	1.1
assenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0
leavy-vehicle adjustment factor, f _{HV} =1/ (1+ P _T (E _T -1)+P _R (E _R -1))	1.000	0.994
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	1.00	1.00
irectional flow rate ² , v _i (pc/h) v _i =V _i /(PHF*f _{HV,PTSF} * f _{g,PTSF})	478	354
ase percent time-spent-following ⁴ , BPTSF _d (%)=100(1-e ^{av} d ^b)	47	7.1
dj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	41	1.8
ercent time-spent-following, PTSF _d (%)=BPTSF _d +f _{np,PTSF} *(v _{d,PTSF} / v _{d,PTSF} +	72	1.1
o,PTSF)	7.1	
evel of Service and Other Performance Measures		
evel of service, LOS (Exhibit 15-3)	L.	
olume to capacity ratio, v/c	0.	
apacity, C _{d,ATS} (Equation 15-12) veh/h	16	
apacity, C _{d,PTSF} (Equation 15-13) veh/h	16	42
ercent Free-Flow Speed PFFS _d (Equation 15-11 - Class III only)	78	.9 42

Bicycle Level of Service		
Directional demand flow rate in outside lane, v _{OL} (Eq. 15-24) veh/h	477.5	
Effective width, Wv (Eq. 15-29) ft	24.00	
Effective speed factor, S _t (Eq. 15-30)	4.79	
Bicycle level of service score, BLOS (Eq. 15-31)	3.61	
Bicycle level of service (Exhibit 15-4)	D	
Notes		

1. Note that the adjustment factor for level terrain is 1.00,as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.

2. If v_i(v_d or v_o) >=1,700 pc/h, terminate analysis--the LOS is F.

For the analysis direction only and for v>200 veh/h.
 For the analysis direction only
 Exhibit 15-20 provides coefficients a and b for Equation 15-10.
 Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.

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DIRECTIONAL TWO-LANE HIG	GHWAY SEGMENT WORK	SHEET
General Information	Site Information	
Analyst Darryl F. Nelson	Highway / Direction of Travel	Agoura Road Westbound
Agency or Company ATE	From/To Jurisdiction	Ladyface Circle/Roadside Drive City of Agoura Hills
Date Performed 9/15/2015 Analysis Time Period P.M. Peak Hour	Analysis Year	Existing Conditions
Project Description: Courtyard & Townplace Suites		
Input Data		
Shoulder widthtt		
Lane widthft	✓ Class I highway	☐ Class II highway ☐ Class III
Lane width tt	highway	R - 125 500
Shoulder width	Terrain 🗹 Le	2010 100 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
4 Construct I and 1	Grade Length mi Peak-hour factor, PH	Up/down F 0.89
Segment length, L _i mi	No-passing zone	100%
Analysis direction vol., V _d 313veh/h	Show North Arrow % Trucks and Buses	, P _T 6%
Opposing direction vol., V _o 418veh/h	% Recreational vehic	es, Pa 4%
Shoulder width ft 6.0	Access points mi	<i>12/</i> mi
Lane Width ft 12.0	เมื่อให้เหลือน เป็น เรื่อน เลือน	#4594A435
Segment Length mi 0.5		
Average Travel Speed	Analysis Direction (d)	Opposing Direction (o)
Pengagar car aquivalente for trucko E /Exhibit 15 11 or 15 12\	1.3	1.2
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.0	1.0
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	0.982	0.988
Heavy-vehicle adjustment factor, f _{HV,ATS} =1/ (1+ P _T (E _T -1)+P _R (E _R -1))	1.00	1.00
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	358	475
Demand flow rate ² , v _j (pc/h) v _i =V _i / (PHF* f _{g,ATS} * f _{HV,ATS})		
Free-Flow Speed from Field Measurement	49 70 0 02 (09/09/50)	ee-Flow Speed
	Base free-flow speed ⁴ , BFFS	45.0 mi/h
	Adj. for lane and shoulder width,4 f _{LS} (Exh	bit 15-7) 0.0 mi/h
Mean speed of sample ³ , S _{FM}	Adj. for access points ⁴ , f _A (Exhibit 15-8)	3.0 mi/h
Total demand flow rate, both directions, v	Free-flow speed, FFS (FSS=BFFS-f _{LS} -f _A	42.0 mi/h
Free-flow speed, FFS=S _{FM} +0.00776(v/ f _{HV,ATS})	M	
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 2.4 mi/h	Average travel speed, ATS _d =FFS-0.00776	33.2 mi/h
	f _{np,ATS}	22.72
	Percent free flow speed, PFFS	79.0 %
Percent Time-Spent-Following	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.1	1.0
	1.0	1.0
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	0.994	1.000
Heavy-vehicle adjustment factor, f _{HV} =1/ (1+ P _T (E _T -1)+P _R (E _R -1))	1.00	1.00
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)		470
Directional flow rate ² , v_i (pc/h) v_i = V_i /(PHF* $f_{HV,PTSF}$ * $f_{g,PTSF}$)	354	
Base percent time-spent-following ⁴ , BPTSF _d (%)=100(1-e ^{av} d ^b)		0.8
dj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	4	2.2
ercent time-spent-following, PTSF _d (%)=BPTSF _d +f _{np,PTSF} *(v _{d,PTSF} / v _{d,PTSF} +	5.	3.9
o,PTSF) evel of Service and Other Performance Measures		
evel of Service, LOS (Exhibit 15-3)		=
olume to capacity ratio, v/c		21
apacily, C _{d,ATS} (Equation 15-12) veh/h		180
		700
apacity, C _{d,PTSF} (Equation 15-13) veh/h		0.0 44
ercent Free-Flow Speed PFFS _d (Equation 15-11 - Class III only)	/:	11

Bicycle Level of Service	*	
Directional demand flow rate in outside lane, v _{OL} (Eq. 15-24) veh/h	351.7	
Effective width, Wv (Eq. 15-29) ft	24.00	
Effective speed factor, S _t (Eq. 15-30)	4.79	
Bicycle level of service score, BLOS (Eq. 15-31)	3.46	
Bicycle level of service (Exhibit 15-4)	С	
Notes		

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^{1.} Note that the adjustment factor for level terrain is 1.00,as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.

If v_i(v_d or v_o) >=1,700 pc/h, terminate analysis—the LOS is F.
 For the analysis direction only and for v>200 veh/h.
 For the analysis direction only
 Exhibit 15-20 provides coefficients a and b for Equation 15-10.
 Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.

DIRECTIONAL TWO-LANE HI	GHWAY SEGMENT WORK	SHEET
General Information	Site Information	
Analyst Darryl F. Nelson Agency or Company ATE Date Performed 9/15/2015	Highway / Direction of Travel From/To Jurisdiction	Agoura Road Eastbound Ladyface Circle/Roadside Drive City of Agoura Hills
Analysis Time Period P.M. Peak Hour Project Description: Courtyard & Townplace Suites	Analysis Year	Existing Conditions
Input Data		
Shoulder width tt Lane width tt Lane width tt Shoulder width tt Shoulder width tt Shoulder width tt Segment length, L _t mi Analysis direction vol., V _d 418veh/h	Class I highway highway Terrain Le Grade Length mi Peak-hour factor, PH No-passing zone Show North Arrow % Trucks and Buses	evel Rolling Up/down IF 0.89 100% , P _T 6 %
Opposing direction vol., V _o 313veh/h Shoulder width ft 6.0 Lane Width ft 12.0 Segment Length mi 0.5	% Recreational vehic Access points <i>mi</i>	cles, P _R 4% 0/mi
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.2	. 1.3
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV,ATS}=1/(1+P_T(E_T-1)+P_R(E_R-1))$	0.988	0.982
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	1.00	1.00
Demand flow rate ² , v_i (pc/h) v_i = V_i / (PHF* $f_{g,ATS}$ * $f_{HV,ATS}$)	475	358
Free-Flow Speed from Field Measurement	Estimated Fr	ee-Flow Speed
	Base free-flow speed ⁴ , BFFS	45.0 mi/h
Mean speed of sample ³ , S _{FM} Fotal demand flow rate, both directions, <i>v</i> Free-flow speed, FFS=S _{FM} +0.00776(v/ f _{HV.ATS})	Adj. for lane and shoulder width, 4 $_{LS}$ (Exh Adj. for access points 4 , $_{A}$ (Exhibit 15-8) Free-flow speed, FFS (FSS=BFFS- $^f_{LS}$ - $^f_{A}$	0.0 mi/h
dj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 3.0 mi/h	Average travel speed, ATS _d =FFS-0.0077	6(v _{d,ATS} + v _{o,ATS}) - 35.6 mi/h
<u> </u>	f _{np,ATS} Percent free flow speed, PFFS	79.0 %
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
assenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1000 Table	1.1
assenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0
eavy-vehicle adjustment factor, f _{HV} =1/ (1+ P _T (E _T -1)+P _R (E _R -1))	1.000	0.994
rade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	1.00	1.00
irectional flow rate ² , v _i (pc/h) v _i =V _i /(PHF*f _{HV,PTSF} * f _{g,PTSF})	470	354
ase percent time-spent-following ⁴ , BPTSF _d (%)=100(1-e ^{av} d ^b)	4	6.5
dj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	4	2.2
ercent time-spent-following, PTSF _d (%)=BPTSF _d +f _{np,PTSF} *(v _{d,PTSF} / v _{d,PTSF} +	7	0.6
PTSF) evel of Service and Other Performance Measures		
evel of service, LOS (Exhibit 15-3)		E
olume to capacity ratio, v/c	0.	28
apacity, C _{d,ATS} (Equation 15-12) veh/h	16	669
apacity, C _{d,PTSF} (Equation 15-13) veh/h	16	590
rcent Free-Flow Speed PFFS _d (Equation 15-11 - Class III only)	75	9.0 46

Bicycle Level of Service		
Directional demand flow rate in outside lane, v _{OL} (Eq. 15-24) veh/h	469.7	
Effective width, Wv (Eq. 15-29) ft	24.00	
Effective speed factor, S _t (Eq. 15-30)	4.79	
Bicycle level of service score, BLOS (Eq. 15-31)	3.60	
Bicycle level of service (Exhibit 15-4)	D	
Notes		

1. Note that the adjustment factor for level terrain is 1.00,as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.

2. If $v_i(v_d \text{ or } v_o) >= 1,700 \text{ pc/h}$, terminate analysis--the LOS is F.

3. For the analysis direction only and for v>200 veh/h.

4. For the analysis direction only

5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.

6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.

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	MULTILANE HIGI	HWAYS WORKSHEET(Directi	on 1)
×			
General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	.Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Roadside Road/Kanan Road City of Agoura Hills Existing + Project
	ownplace Suites Hotel Project - #1		□ Plea (us)
Oper.(LOS)		Des. (N)	Plan. (vp)
Flow Inputs Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00
Calculate Flow Adjustm	ients	¥	
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj and F	FFS
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured)	12.0 12.0 6 Divided	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5
Base Free-Flow Speed, BFFS	45.0	Principle (Acc. ▼Condition (F)	10.0
Operations Operational (LOS) Flow Rate, v _p (pc/h/ln) Speed, S (mi/h) O (pc/mi/ln) OS	203 45.0 4.5 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	
licycle Level of Service			
irectional demand flow rate in outside la	ne, v _{OL} (Eq. 15-24) veh/h		198.9
ffective width, W _v (Eq. 15-29) ft			24.00
fective speed factor, \mathbf{S}_{t} (Eq. 15-30) cycle level of service score, BLOS (Eq.	15-31)		4.42 2.68
icycle level of service (Exhibit 15-4)			C
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	MULTILANE HIG	GHWAYS WORKSHEET(Directi	on 2)
		i i	,
General Information	n	Site Information	
Analyst Agency or Company Date Performed Analysis Time Period Project Description Courtyard &	.Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour Townplace Suites Hotel Project - #	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Roadside Road/Kanan Road City of Agoura Hills Existing + Project
Oper.(LOS		Des. (N)	☐ Plan. (vp)
Flow Inputs	<u></u>		
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00
Calculate Flow Adjust	ments	,	
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj and F	FFS
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured)	12.0 12.0 0 Divided 45.0	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 0.0 0.0 45.0
Base Free-Flow Speed, BFFS Operations	45.0	Design	700000
Operational (LOS) Flow Rate, v _p (pc/h/ln) Opeed, S (mi/h) O (pc/mi/ln) OS	261 45.0 5.8 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	9
licycle Level of Service		JL	
irectional demand flow rate in outside	lane, v _{OL} (Eq. 15-24) veh/h		255.1
ffective width, W _v (Eq. 15-29) ft			24.00
ffective speed factor, S ₍ (Eq. 15-30)			4.42
icycle level of service score, BLOS (Editorial level of service (Exhibit 15.4)	q. 15-31)		2.81 C
icycle level of service (Exhibit 15-4) pyright © 2015 University of Florida, A	All Rights Reserved	HCS 2010 TM Version 6.70	Generated: 9/30/2015 14/9 P

MULTILANE HIGHWAYS WORKSHEET(Direction 1) × General Information Site Information .Darryl F. Nelson Analyst Highway/Direction to Travel Agoura Road Agency or Company ATE Roadside Road/Kanan Road From/To Jurisdiction City of Agoura Hills Date Performed 9/15/2015 Analysis Year **Near-Term Conditions** Analysis Time Period P.M. Peak Hour Project Description Courtyard & Townplace Suites Hotel Project - #15068 Des. (N) Plan. (vp) Oper.(LOS) Flow Inputs Volume, V (veh/h) 425 Peak-Hour Factor, PHF 0.89 AADT(veh/h) %Trucks and Buses, P_T 5 %RVs, P_R Peak-Hour Prop of AADT (veh/d) 0 Peak-Hour Direction Prop, D General Terrain: Level DDHV (veh/h) Grade Length (mi) 0.00 1.00 Up/Down % Driver Type Adjustment 0.00 Number of Lanes 2 Calculate Flow Adjustments E_R 1.2 1.00 E_T 1.5 f_{HV} 0.976 Calc Speed Adj and FFS Speed Inputs Lane Width, LW (ft) 12.0 f_{LW} (mi/h) 0.0 Total Lateral Clearance, LC (ft) 12.0 f_{LC} (mi/h) 0.0 Access Points, A (A/mi) f_A (mi/h) 1.5 Divided Median Type, M f_M (mi/h) 0.0 FFS (measured) FFS (mi/h) 43.5 Base Free-Flow Speed, BFFS 45.0 Operations Design Design (N) Operational (LOS) Required Number of Lanes, N Flow Rate, v, (pc/h/ln) 244 Flow Rate, v_p (pc/h) Speed, S (mi/h) 45.0 Max Service Flow Rate (pc/h/ln) D (pc/mi/ln) 5.4 Design LOS LOS A Bicycle Level of Service 238.8 Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h Effective width, W, (Eq. 15-29) ft 24.00 4.42 Effective speed factor, S, (Eq. 15-30) Bicycle level of service score, BLOS (Eq. 15-31) 2.78 Bicycle level of service (Exhibit 15-4) C

MULTILANE HIGHWAYS WORKSHEET(Direction 2) × General Information Site Information .Darryl F. Nelson Analyst Highway/Direction to Travel Agoura Road Agency or Company ATE Roadside Road/Kanan Road From/To Jurisdiction City of Agoura Hills Date Performed 9/15/2015 Near-Term Conditions Analysis Year Analysis Time Period P.M. Peak Hour Project Description Courtyard & Townplace Suites Hotel Project - #15068 Oper.(LOS) Des. (N) Plan. (vp) Flow Inputs Volume, V (veh/h) 538 Peak-Hour Factor, PHF 0.89 %Trucks and Buses, PT AADT(veh/h) 5 Peak-Hour Prop of AADT (veh/d) %RVs, P_R 0 Peak-Hour Direction Prop, D General Terrain: Level DDHV (veh/h) Grade Length (mi) 0.00 Up/Down % Driver Type Adjustment 1.00 0.00 Number of Lanes 2 Calculate Flow Adjustments ER 1.2 1.00 E_T 1.5 f_{HV} 0.976 Calc Speed Adj and FFS Speed Inputs Lane Width, LW (ft) 12.0 f_{IW} (mi/h) 0.0 Total Lateral Clearance, LC (ft) 12.0 f_{LC} (mi/h) 0.0 Access Points, A (A/mi) f_A (mi/h) 0.0 Divided Median Type, M f_M (mi/h) 0.0 FFS (measured) FFS (mi/h) 45.0 Base Free-Flow Speed, BFFS 45.0 Operations Design Design (N) Operational (LOS) Required Number of Lanes, N Flow Rate, v, (pc/h/ln) 309 Flow Rate, v_p (pc/h) Speed, S (mi/h) 45.0 Max Service Flow Rate (pc/h/ln) D (pc/mi/ln) 6.9 Design LOS LOS A Bicycle Level of Service 302.2 Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h 24.00 Effective width, W., (Eq. 15-29) ft 4.42 Effective speed factor, S, (Eq. 15-30) Bicycle level of service score, BLOS (Eq. 15-31) 2.89 Bicycle level of service (Exhibit 15-4) C

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	MULTILANE HIGHWAY	S WORKSHEET(Direction 1	1)
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General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period Project Description Courtyard & To	.Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour bwnplace Suites Hotel Project - #15068	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Roadside Road/Kanan Road City of Agoura Hills Near-Term + Project
Oper.(LOS)		Des. (N)	☐ Plan. (vp)
Flow Inputs		2 500. (iv)	∟т тап. (ур)
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00 2
Calculate Flow Adjustm	ents		
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj and FFS	
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured)	12.0 12.0 6 Divided	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5
Base Free-Flow Speed, BFFS Operations	45.0		10.0
Operations Operational (LOS) Flow Rate, v _p (pc/h/ln) Opeed, S (mi/h) O (pc/mi/ln) OS	268 45.0 6.0 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	
Bicycle Level of Service		JL	
Pirectional demand flow rate in outside la	ne, v _{OL} (Eq. 15-24) veh/h		261.8
iffective width, W _v (Eq. 15-29) ft			24.00
iffective speed factor, S _t (Eq. 15-30)			4.42
icycle level of service score, BLOS (Eq.	15-31)		2.82
icycle level of service (Exhibit 15-4) opyright © 2015 University of Florida, All	Rights Reserved	HCS 2010 TM Version 6.70	Generated: 11/24/2015 10 52 A

	MULTILANE HIGH	HWAYS WORKSHEET(Direc	ction 2)
×			
General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	.Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Roadside Road/Kanan Road City of Agoura Hills Near-Term + Project
The second secon	ownplace Suites Hotel Project - #1	The second secon	Пв. (v)
Oper.(LOS)		Des. (N)	☐ Plan. (vp)
Flow Inputs Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00 2
Calculate Flow Adjustm	ents		
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj and	d FFS
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured) Base Free-Flow Speed, BFFS	12.0 12.0 0 Divided 45.0	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 0.0 0.0 45.0
Operations	40.0	Design	39%
Operational (LOS) Flow Rate, v _p (pc/h/ln) Speed, S (mi/h) O (pc/mi/ln) OS	332 45.0 7.4 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/l Design LOS	
Bicycle Level of Service			
Pirectional demand flow rate in outside la	ne, v _{OL} (Eq. 15-24) veh/h		324.7
ffective width, W _v (Eq. 15-29) ft			24.00
ffective speed factor, S _f (Eq. 15-30)			4.42
icycle level of service score, BLOS (Eq.	15-31)		2.93
icycle level of service (Exhibit 15-4) ppyright © 2015 University of Florida, All		HCS 2010 TM Version 6.70	C Generated: 11/24/2015 10:58A

	MULTILANE H	IGHWAYS \	WORKSHEET(Direction	on 1)	
		×			
General Information			Site Information		
Analyst Agency or Company Date Performed Analysis Time Period Project Description Courtyard & T	.Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour Fownplace Suites Hotel Project		Highway/Direction to Travel From/To Jurisdiction Analysis Year	City of	a Road ide Road/Kanan Road Agoura Hills ative Conditions
Oper.(LOS)		De	s (N)		☐ Plan. (vp)
Flow Inputs			5. (14)		— г тап. (vp)
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	9 9 0	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R Seneral Terrain: Grade Length (mi) Up/Down % Iumber of Lanes	0.89 5 0 Level 0.00 0.00 2	
Calculate Flow Adjustm	nents		4		
f _p E _T	1.00 1.5		R HV	1.2 0.976	
Speed Inputs		(Calc Speed Adj and F	FS	
Lane Width, LW (ft) Fotal Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured) Base Free-Flow Speed, BFFS	12.0 12.0 6 Divided 45.0	f f	_{Lw} (mi/h) _{LC} (mi/h) _A (mi/h) _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5	
Operations	45.0		Design		
perations perational (LOS) low Rate, v _p (pc/h/ln) peed, S (mi/h) (pc/mi/ln) OS	271 45.0 6.0 A	D R FI	esign (N) equired Number of Lanes, N ow Rate, v _p (pc/h) ax Service Flow Rate (pc/h/ln) esign LOS		
cycle Level of Service					H =
rectional demand flow rate in outside la	ne, v _{OL} (Eq. 15-24) veh/h		V	265.2	
ective width, W _v (Eq. 15-29) ft			(6)	24.00	
ective speed factor, S _t (Eq. 15-30) sycle level of service score, BLOS (Eq.	15-31)			4.42 2.83	
cycle level of service (Exhibit 15-4)				C	
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	MULTILANE HIG	HWAYS WORKSHEET(Direct	ion 2)
×			*
General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	.Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Roadside Road/Kanan Road City of Agoura Hills Cumulative Conditions
	Fownplace Suites Hotel Project - #		
Oper.(LOS)		Des. (N)	Plan. (vp)
Flow Inputs Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00
Calculate Flow Adjustn	nents	· ·	
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj and I	FFS
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured) Base Free-Flow Speed, BFFS	12.0 12.0 0 Divided 45.0	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 0.0 0.0 45.0
	45.0	Design	
operations Inperational (LOS) Illow Rate, v _p (pc/h/ln) Ippeed, S (mi/h) (pc/mi/ln) OS	345 45.0 7.7 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	
cycle Level of Service	Public (MT) - Bullouti Septropropriational Communication		Settlern at
rectional demand flow rate in outside la	ne, v _{OL} (Eq. 15-24) veh/h		337.1
fective width, W _v (Eq. 15-29) ft			24.00
fective speed factor, S ₍ (Eq. 15-30)			4.42
cycle level of service score, BLOS (Eq.	15-31)		2.95
cycle level of service (Exhibit 15-4) cyright © 2015 University of Florida, All	Rights Reserved	HCS 2010 TM Version 6.70	C Generated: 9/30/2015 15/6

	WOLTLANE H	GHWAYS WORKSHEET(Directi	1)
·	*	T.	
General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period Project Description Courtyard &	.Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour Townplace Suites Hotel Project -	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Roadside Road/Kanan Road City of Agoura Hills Cumulative + Project
Oper.(LOS		Des. (N)	☐ Plan. (vp)
Flow Inputs			
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00
Calculate Flow Adjustr	nents		
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs	6	Calc Speed Adj and F	FS
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured) Base Free-Flow Speed, BFFS	12.0 12.0 6 Divided	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5
Operations	10.0	Design	
perational (LOS) low Rate, v _p (pc/h/ln) peed, S (mi/h) (pc/mi/ln)	295 45.0 6.6 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	
cycle Level of Service	re reas		200.4
rectional demand flow rate in outside la	ane, v _{OL} (Eq. 15-24) veh/h		288.2
ective width, W _v (Eq. 15-29) ft			24.00
ective speed factor, S _f (Eq. 15-30)	15 21)		4.42
cycle level of service score, BLOS (Eq. cycle level of service (Exhibit 15-4)	10-37)		2.87 C

	MULTILANE HIC	SHWAYS	WORKSHEET(Direct	tion 2)
×				
General Information			Site Information	30
Analyst Agency or Company Date Performed Analysis Time Period Project Description Courtyard &	.Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour Townplace Suites Hotel Project - #	‡ 15068	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Roadside Road/Kanan Road City of Agoura Hills Cumulative + Project
☐ Oper.(LOS)	□ Do	es. (N)	☐ Plan. (vp)
Flow Inputs				
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00		Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00
Calculate Flow Adjustn	nents			-
f _p	1.00		E _R	1.2
É _T	1.5		f hV	0.976
Speed Inputs			Calc Speed Adj and I	
ane Width, LW (ft)	12.0			Marcon Control of the
Fotal Lateral Clearance, LC (ft)	12.0	- 1	f _{Lw} (mi/h)	0.0
Access Points, A (A/mi)	0	The state of the s	f _{LC} (mi/h)	0.0
Median Type, M	Divided	11.0	f _A (mi/h)	0.0.
FS (measured)		II.	_M (mi/h)	0.0
ase Free-Flow Speed, BFFS	45.0	1	FFS (mi/h)	45.0
perations		C	Design	
perational (LOS) pw Rate, v _p (pc/h/ln) peed, S (mi/h) (pc/mi/ln)	362 45.0 8.0 A	R F M	esign (N) equired Number of Lanes, N low Rate, v _p (pc/h) ax Service Flow Rate (pc/h/ln) esign LOS	
cycle Level of Service				
ectional demand flow rate in outside la	ne, v _{OL} (Eq. 15-24) veh/h			353.4
ctive width, W _v (Eq. 15-29) ft				24.00
ctive speed factor, S ₍ (Eq. 15-30)				4.42
rcle level of service score, BLOS (Eq.	15-31)			2.97
ycle level of service (Exhibit 15-4) yright © 2015 University of Florida, All			HCS 2010 TM Version 6.70	C

	WOLTILANE III	GHWATS	WORKSHEET(Direction	(i)
			2	
General Information		ř	Site Information	
Analyst Agency or Company Date Performed Analysis Time Period Project Description Courtyard & T	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour	#15068	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Ladyface Circle/Roadside Road City of Agoura Hills Existing + Project
Oper.(LOS)		2725-27	es. (N)	☐ Plan. (vp)
Flow Inputs			55. (14)	Li Fierri (VP)
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	x	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00
Calculate Flow Adjustn	nents			
f _p E _T	1.00 1.5		E _R f _{HV}	1.2 0.976
Speed Inputs			Calc Speed Adj and Fl	FS
Lane Width, LW (ft) Fotal Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured)	12.0 12.0 6 Divided 		f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5
Base Free-Flow Speed, BFFS	45.0		SANCE MANAGEMENT	
Operations Operational (LOS) Iow Rate, v _p (pc/h/ln) peed, S (mi/h) (pc/mi/ln) OS	203 45.0 4.5 A	<u>1</u> F F	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	in the second se
cycle Level of Service				excess
rectional demand flow rate in outside la	ine, v _{OL} (Eq. 15-24) veh/h			198.9
ective width, W _v (Eq. 15-29) ft				24.00
ective speed factor, S _f (Eq. 15-30) cycle level of service score, BLOS (Eq. 15-4)	15-31)			4.42 2.68 C
cycle level of service (Exhibit 15-4) cyright © 2015 University of Florida, All			HCS 2010 TM Version 6.70	Generated: 9/30/2015 1:5

	MULTILANE HIG	HWAYS	WORKSHEET(Direction	on 2)	
⊠	i.				
General Information	•,		Site Information		
Analyst Agency or Company Date Performed Analysis Time Period	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour		Highway/Direction to Travel From/To Jurisdiction Analysis Year	Ladyf City o	ra Road ace Circle/Roadside Road f Agoura Hills ng + Project
Project Description Courtyard & T	ownplace Suites Hotel Project - #1		(AD		
Oper.(LOS)			es. (N)		☐ Plan. (vp)
Flow Inputs Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	i.	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00	
Calculate Flow Adjustm	ents		valider of cares		
f _p E _T	1.00 1.5		E _R	1.2 0.976	
Speed Inputs		17	Calc Speed Adj and F	FS	
Lane Width, LW (ft) Fotal Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FS (measured)	12.0 12.0 6 Divided		f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5	
Base Free-Flow Speed, BFFS Operations	45.0			309/3708	
perations perational (LOS) low Rate, v _p (pc/h/ln) peed, S (mi/h) (pc/mi/ln) OS	256 45.0 5.7 A	<u>[</u> F F	Design Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS		
cycle Level of Service					
rectional demand flow rate in outside la	ne, v _{OL} (Eq. 15-24) veh/h			250.6	
ective width, W _v (Eq. 15-29) ft				24.00	
ective speed factor, S _t (Eq. 15-30)	45.04)			4.42	
cycle level of service score, BLOS (Eq. cycle level of service (Exhibit 15-4)	15-31)			2.80 C	*
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	MULTILANE HIG	GHWAYS WORKSHEET(Direc	ction 1)
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General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Ladyface Circle/Roadside Road City of Agoura Hills Near-Term Conditions
	ownplace Suites Hotel Project -	#15068	
Oper.(LOS)		Des. (N)	☐ Plan. (vp)
Flow Inputs			
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00
Calculate Flow Adjustm	ents	HARMAN AND AND AND AND AND AND AND AND AND A	
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj and	FFS
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured) Base Free-Flow Speed, BFFS	12.0 12.0 6 Divided 45.0	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5
Operations	1010	Design	
Operational (LOS) low Rate, v _p (pc/h/ln) lopeed, S (mi/h) lope/mi/ln) OS	234 45.0 5.2 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/lr Design LOS	n)
icycle Level of Service			
rectional demand flow rate in outside la	ane, v _{OL} (Eq. 15-24) veh/h		229.2
ffective width, W _v (Eq. 15-29) ft			24.00
fective speed factor, S _t (Eq. 15-30)			4.42
cycle level of service score, BLOS (Eq. cycle level of service (Exhibit 15-4)	15-31)		2,75 C

	MULTILANE HI	GHWAYS WORKSHEET(Directi	on 2)
General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period Project Description Courtyard & To	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour ownplace Suites Hotel Project -	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Ladyface Circle/Roadside Road City of Agoura Hills Near-Term Conditions
Oper.(LOS)		Des. (N)	☐ Plan. (vp)
Flow Inputs			MAN VIEW
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00
Calculate Flow Adjustm	ents	constitution year or a material constitution of	
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj and	FFS
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured) Base Free-Flow Speed, BFFS	12.0 12.0 6 Divided 45.0	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5
Operations	43.0	Design	
Operational (LOS) Flow Rate, v _p (pc/h/ln) Speed, S (mi/h) D (pc/mi/ln) LOS	300 45.0 6.7 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	
Bicycle Level of Service		II.	
Directional demand flow rate in outside la	ine, v _{OL} (Eq. 15-24) veh/h		293.3
Effective width, W _v (Eq. 15-29) ft			24.00
Effective speed factor, S _t (Eq. 15-30)			4.42
Bicycle level of service score, BLOS (Eq.	15-31)		2.88
Bicycle level of service (Exhibit 15-4)			C
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	MULTILANE HIGHWA	YS WORKSHEET(Direction	1)	
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General Information		Site Information		
Analyst Agency or Company Date Performed Analysis Time Period	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Ladyface Circle/Roadside Road City of Agoura Hills Near-Term + Project	
Project Description Courtyard & To	ownplace Suites Hotel Project - #15068	Dos (N)	□ Plan (up)	
Flow Inputs		Des. (N)	Plan. (vp)	
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00 2	
Calculate Flow Adjustm	ents			
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976	
Speed Inputs		Calc Speed Adj and FFS		
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured) Base Free-Flow Speed, BFFS	12.0 12.0 6 Divided 45.0	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5	
Operations	40.0	Design		
Operational (LOS) Flow Rate, v _p (pc/h/ln) Speed, S (mi/h) O (pc/mi/ln)	258 45.0 5.7 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS		
Bicycle Level of Service				
Directional demand flow rate in outside lane, v _{OL} (Eq. 15-24) veh/h			252.2	
Effective width, W _v (Eq. 15-29) ft		24.00		
iffective speed factor, S_t (Eq. 15-30)		4.42		
Bicycle level of service score, BLOS (Eq. 15-31)			2.80	
icycle level of service (Exhibit 15-4) opyright © 2015 University of Florida, All	Rights Reserved	HCS 2010 TM Version 6.70	C Generated: 11/24/2015 10659 A	

	MULTILANE HIGHWAYS	S WORKSHEET(Direction	2)
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General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Ladyface Circle/Roadside Road City of Agoura Hills Near-Term + Project
Project Description Courtyard & To	ownplace Suites Hotel Project - #15068	Des. (N)	☐ Plan. (vp)
Flow Inputs		D65. (N)	□ Fiant (vp)
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00 2
Calculate Flow Adjustm	ents		4
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj and FFS	3
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured) Base Free-Flow Speed, BFFS	12.0 12.0 6 Divided 45.0	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5
Operations	45.0	Design	
Operational (LOS) Flow Rate, v _p (pc/h/ln) Speed, S (mi/h) O (pc/mi/ln)	316 45.0 7.0 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	
Bicycle Level of Service		1	
Directional demand flow rate in outside la	ne, v _{OL} (Eq. 15-24) veh/h		309.0
Effective width, W _v (Eq. 15-29) ft			24.00
Effective speed factor, S _t (Eq. 15-30)	15.31)		4.42
Bicycle level of service score, BLOS (Eq. Bicycle level of service (Exhibit 15-4)	10-31)		2.91 C
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	MULTILANE HI	GHWAYS WORKSHEET(Dire	ection 1)		
			× ·		
General Information		Site Information			
Analyst Agency or Company Date Performed Analysis Time Period Project Description Courtyard & T	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour ownplace Suites Hotel Project -		I Agoura Road Ladyface Circle/Roadside Road City of Agoura Hills Cumulative Conditions		
Oper.(LOS)		Des. (N)	☐ Plan. (vp)		
Flow Inputs Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h)	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down %	0.89 5 0 Level 0.00 0.00		
Driver Type Adjustment	2 20 A 10 20 A	Number of Lanes	2		
Calculate Flow Adjustm	ents				
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976		
Speed Inputs		Calc Speed Adj ar	nd FFS		
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured)	12.0 12.0 6 Divided	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0		
Base Free-Flow Speed, BFFS Operations	45.0	Design	40.0		
operations Operational (LOS) low Rate, v _p (pc/h/ln) peed, S (mi/h) (pc/mi/ln) OS	262 45.0 5.8 A	Design (N) Required Number of Lanes, I Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h Design LOS			
icycle Level of Service			· · · · · · · · · · · · · · · · · · ·		
rectional demand flow rate in outside la	ne, v _{OL} (Eq. 15-24) veh/h		255.6		
fective width, W _v (Eq. 15-29) ft			24.00		
ffective speed factor, S _t (Eq. 15-30)			4.42		
cycle level of service score, BLOS (Eq.	15-31)		2.81		
cycle level of service (Exhibit 15-4) pyright © 2015 University of Florida, All	Rights Reserved	HCS 2010 TM Version 6.	C Generated: 9/30/2015 1:46 P		

N .	WIULTILANE HIC	SHWAYS WORKSHEET(Direction 2)
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General Information		Site Informatio	n
Analyst Agency or Company Date Performed Analysis Time Period	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour	Highway/Direction to T From/To Jurisdiction Analysis Year	ravel Agoura Road Ladyface Circle/Roadside Road City of Agoura Hills Cumulative Conditions
Project Description Courtyard & T		Des. (N)	☐ Plan. (vp)
Flow Inputs		□ Des. (N)	☐ Flan. (vp)
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	
Calculate Flow Adjustm	ients		
fp ≡ _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj	and FFS
ane Width, LW (ft) Fotal Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FS (measured)	12.0 12.0 6 Divided	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h)	0.0 0.0 1.5 0.0
Base Free-Flow Speed, BFFS	45.0	FFS (mi/h)	43.5
perations perational (LOS) ow Rate, v _p (pc/h/ln) peed, S (mi/h) (pc/mi/ln) DS	336 45.0 7.5 A	Design Design (N) Required Number of Lan Flow Rate, v _p (pc/h) Max Service Flow Rate (Design LOS	
cycle Level of Service			
irectional demand flow rate in outside lane, v _{OL} (Eq. 15-24) veh/h			328.1
ective width, W _v (Eq. 15-29) ft			24.00
ffective speed factor, S _f (Eq. 15-30)			4.42 2.94
cycle level of service score, BLOS (Éq. 15-31) cycle level of service (Exhibit 15-4)			C

	MOLITEANETH	SHIVATO	WORKSHEET(Direction		
General Information			Site Information		
Analyst Agency or Company Date Performed Analysis Time Period	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour		Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Ladyface Circle/Roadside Road City of Agoura Hills Cumulative + Project	
Project Description Courtyard & T Oper.(LOS)	ownplace Suites Hotel Project - #		es. (N)	☐ Plan. (vp)	
Flow Inputs			55. (14)	Штап. (ур)	
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	(Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00	
Calculate Flow Adjustm	ents				
f _p . E _T	1.00 1.5		E _R f _{HV}	1.2 0.976	
Speed Inputs			Calc Speed Adj and FF	S	
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured) Base Free-Flow Speed, BEES	12.0 12.0 6 Divided		f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5	
Base Free-Flow Speed, BFFS 45.0 Operations			Design		
Operational (LOS) low Rate, v _p (pc/h/ln) peed, S (mi/h) (pc/mi/ln) OS	285 45.0 6.3 A	<u>r</u> F F	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	ig g	
icycle Level of Service					
Directional demand flow rate in outside lane, v _{OL} (Eq. 15-24) veh/h			278.7		
ffective width, W _v (Eq. 15-29) ft			24.00		
ffective speed factor, S _t (Eq. 15-30) icycle level of service score, BLOS (Eq. 15-31)				2.85	
cycle level of service (Exhibit 15-4)			HCS 2010 TM Version 6.70	C Generated: 9/30/2015 1:5	

	MULTILANE HIG	GHWAYS WORKSHEET(Direction	on 2)
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General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period Project Description Courtyard &	Darryl F. Nelson ATE 9/15/2015 P.M. Peak Hour Townplace Suites Hotel Project - #	Highway/Direction to Travel From/To Jurisdiction Analysis Year	Agoura Road Ladyface Circle/Roadside Road City of Agoura Hills Cumulative + Project
☐ Oper.(LOS		Des. (N)	☐ Plan. (vp)
Flow Inputs			
Volume, V (veh/h) AADT(veh/h) Peak-Hour Prop of AADT (veh/d) Peak-Hour Direction Prop, D DDHV (veh/h) Driver Type Adjustment	1.00	Peak-Hour Factor, PHF %Trucks and Buses, P _T %RVs, P _R General Terrain: Grade Length (mi) Up/Down % Number of Lanes	0.89 5 0 Level 0.00 0.00
Calculate Flow Adjusti	ments		
f _p E _T	1.00 1.5	E _R f _{HV}	1.2 0.976
Speed Inputs		Calc Speed Adj and F	FS
Lane Width, LW (ft) Total Lateral Clearance, LC (ft) Access Points, A (A/mi) Median Type, M FFS (measured)	12.0 12.0 6 Divided 45.0	f _{LW} (mi/h) f _{LC} (mi/h) f _A (mi/h) f _M (mi/h) FFS (mi/h)	0.0 0.0 1.5 0.0 43.5
Base Free-Flow Speed, BFFS Operations	45.0	Design	:75890A4
Operational (LOS) Ilow Rate, v _p (pc/h/ln) Opeed, S (mi/h) (pc/mi/ln) OS	352 45.0 7.8 A	Design (N) Required Number of Lanes, N Flow Rate, v _p (pc/h) Max Service Flow Rate (pc/h/ln) Design LOS	8
icycle Level of Service			
rectional demand flow rate in outside	lane, v _{OL} (Eq. 15-24) veh/h		343.8
fective width, W _v (Eq. 15-29) ft			24.00
fective speed factor, S_{t} (Eq. 15-30) cycle level of service score, BLOS (Eq.	q. 15-31)		4.42 2.97
cycle level of service (Exhibit 15-4) pyright © 2015 University of Florida, A	ll Rights Reserved	HCS 2010 TM Version 6.70	C Generated: 9/30/2015 1:50 P