April 2006

COMMUNITIES - ROADWAY / TRAFFIC / NOISE



COMMUNITIES	2005 Existing	2030 No-Build	ALTERNATIVES RETAINED FOR DETAILED EVALUATION					
COMMUNITIES			YELLOW	BROWN NORTH	BROWN SOUTH	PURPLE +SPUR	GREEN NORTH +SPUR	GREEN SOUTH +8
SUMMIT BRIDGE FARMS	+							
Distance to Right of Way (ft.)			0' - 120'	0' - 300'	0' - 300'	0' - 300'	0' - 300'	0' - 300'
Road Right of Way (ft.) Roadway Elevation (ft.)	+	-	225' At Grade to Above Grade	600' Above Grade	600' Above Grade	200' At Grade to Above Grade	200' At Grade to Above Grade	200' At Grade to Above I
Roadway Elevation (t.) Traffic Volumes (vol.)			At Grade to Above Grade	Above Grade	Above Grade	At Grade to Above Grade	At Grade to Above Grade	At Grade to Above 0
to North - Existing US 301 (Existing + Proposed US 301 for Brown North Only)	19,900	40,500	40,400	53,600	25,200	27,600	27,400	27,400
to South - Proposed US 301 (Brown South Only)	N/A	N/A	N/A	N/A	28,400	N/A	N/A	N/A
to West - Proposed US 301 (Purple, Brown and Green only) Noise - North	N/A 52 - 59	N/A 55 - 62	N/A	27,600	27,600	25,800	22,500	22,500
Lowest Level / Highest Level - North			55 / 62	58 / 59	54 / 55	56 / 60	56 / 60	56 / 60
Increased Level - North Noise - South	44 - 45	48	3	0 - 6	-5 - 3	1-4	1-4	1-4
Lowest Level / Highest Level - South	44 - 40	40	47/48	51 / 54	51 / 54	48 / 53	48 / 53	48 / 53
Increased Level - South			3	7 - 9	6 - 10	4 - 8	4 - 8	4 - 8
Noise - East Lowest Level / Highest Level - East	44 - 59	48 - 62	47/62	51 / 59	54 / 55	48 / 60	48 / 60	48 / 60
Increased Level - East			3	0-7	-5 - 10	0-2	0-2	0 - 2
Noise - West	45 - 52	48 - 62						
Lowest Level / Highest Level - West			48 / 55	54 / 58	51 / 55	53 / 56	53 / 56	53 / 56
Increased Level - West No. of Noise Impacts - All Directions			3 12	6-9	3 - 6 18	4 - 8	4 - 8 12	4 - 8 12
	- All Alternatives (e	except No-Build) wo	ould lie adjacent to or requir ummit Bridge Farms will ger id Brown North) would have community from the newroa mative; along the north side	e ROW from properties with	hin Summit Bridge Farms	and Delen		
Community Impact Summary	- Alternative segm - All Alternatives (r	ents adjacent to Su except No-Build and	immit Bridge Farms will ger d Brown North) would have	noise effects that meet the	to above grade to meet Si FHWA and DelDOT criteria	for a noise impact		
	- Earth berms, to v community for the	isually screen the o Brown South Alten	community from the newroa native; along the north side	dways, are proposed along of the community, earth be	g the west side of the comm rms are not feasible and no	unity for Brown, Green, and ise walls are not cost effect	d Purple Alternatives, and al ive	ong the south side of
.EA EARA FARMS Distance to Right of Way (ft.)	+ =	\vdash	0' - 850'	0' - 850'	0' - 850'	0' - 850'	0' - 850'	0' - 850'
Distance to right of Way (ft.) Road Right of Way (ft.)	+	 	240'	260'	260'	220	220'	220'
Roadway Elevation (ft.)	1		At Grade to Above Grade	At Grade to Above Grade	At Grade to Above Grade	At Grade to Above Grade	At Grade to Above Grade	At Grade to Above C
Traffic Volumes (vpd)	1							
to South - Existing US 301 (Existing + Proposed US 301 for Brown North Only) to West - Existing US 301	19,900 26,300	40,500 65,500	40,400 58,100	53,600 64,000	25,200 64,000	27,600 64,000	27,400 59,500	27,400 59,500
to West - Existing US 301 Noise	26,300 46 - 58	65,500 49 - 61	56,100	54,000	04,000	64,000	59,500	99,500
Lowest Level / Highest Level	1	1	49/61	54 / 63	49 / 61	49 / 61	49 / 61	49 / 61
Increased Level No. of Noise Impacts		13	3-3	4 3 16	3	3	0	0
	- Portions of all Alt	ternatives (Except N	No-Build) would lie adjacent ea Eara Farms will generally se south side of Lea Eara Fa	to Lea Eara Farms				
Community Impact Summary	- Alternative segm - Under Brown No	ents adjacent to Le arth, residents on the	.a Eara Farms will generally .e south side of Lea Eara Fr	r begin at grade, rising to ab arms would experience incre	bove grade to meet Summit eased noise levels that qua	Bridge Ify as noise impacts under	DelDOT/FHWA criteria	
SUMMIT FARMS	- Earthen berms, v	which would reduce	e adverse visual and noise of	effects, are potentially feasil	ble and being proposed alo	ng the north side of Lea Ea	ra Farms	
Distance to Right of Way (ft.)			> 3,300'	950'	>2,100'	> 3,300′	> 3,300°	> 3,300'
Road Right of Way (ft.) Roadway Elevation (ft.)	1		N/A N/A	250' Above Grade	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Traffic Volumes (vpd)	+		NA	Above Grade	N/A	N/A	NiA	N/A
to South - Existing US 301 (Existing + Proposed US 301 for Brown North Only)	19,900	40,500	40,400	53,600	25,200	27,600	27,400	27,400
to West - Existing US 301 Noise	26,300 (46) - (56)	65,500 (46) - (56)	58,100	64,000	64,000	64,000	59,500	59,500
Lowest Level / Highest Level	(40) - (30)	(40) - (50)	-1-	52 / 56*	-/-	-1-	-1-	-/-
Increased Level			-	0 - 6	-	-	-	-
No. of Noise Impacts	- The Brown North	h Alternative is withi	0 in 950 feet of Summit Farms	0 or all others are more than 3	0 2 000 feet away	0	0	0
Community Impact Summary	- Compared to the	No-Build, the Brow	in 950 feet of Summit Farms wn North Alternative would o Brown South, Purple, and G o hear US 301, however, giv	carry increased traffic on ex-	isting US 301			
AIRMONT	Some residents v	will likely be able to	hear US 301, however, giv	en the distance from the all	tematives, noise effects will	not meet the FHWA criteria	for a noise impact	
Distance to Right of Way (ft.)	+	 	> 5,000'	360' - 3,000'	360' - 3,000'	> 5,000'	360' - 3,000'	360' - 3,000'
Road Right of Way (ft.)			N/A	300'	300'	N/A	300"	300'
Roadway Elevation (ft.)			N/A	Below Grade to Above Grade	Below Grade to Above Grade	N/A	Below Grade to Above Grade	Below Grade to Ab Grade
Traffic Volumes (vpd) to North - Lorewood Grove Road	3.000	6.900	3.000	900	900	3.200	1.300	1.300
to South - Proposed US 301 (Green and Brown only)	N/A	N/A	N/A	35,800	35,800	N/A	43,500	43,500
to West - Jamison Corner Road	700	6,300	N/A 5,700	35,800 2,200	35,800 2,200	N/A 5,500	43,500 2,400	43,500 2,400
to West - Jamison Corner Road Noise			5,700					
to West - Jamison Corner Road	700 (51) - (52)	6,300 (51) - (52)	5,700	2,200 56 / 59 4 - 8	2,200 56 / 59 4 - 8	5,500 -/- -	2,400 57 / 59 5 - 8	2,400
to West - Jamison Corner Road Noise Lowest Level / Highest Level	700 (51) - (52)	6,300 (51) - (52)	5,700	2,200 56 / 59 4 - 8	2,200 56 / 59 4 - 8	5,500 -/- -	2,400 57 / 59 5 - 8	2,400
to West - Jamison Comer Road Noise Lovest Level / Highest Level Increased Level No. of Noise Impacts	700 (51) - (52)	6,300 (51) - (52)	5,700	2,200 56 / 59 4 - 8	2,200 56 / 59 4 - 8	5,500 -/- -	2,400 57 / 59 5 - 8	2,400
to West - Jamison Corner Road Noise Lowest Level / Highest Level Lorenstod Level	700 (51) - (52)	6,300 (51) - (52)	5,700	2,200 56 / 59 4 - 8	2,200 56 / 59 4 - 8	5,500 -/- -	2,400 57 / 59 5 - 8	2,400
to West - Jamison Comer Road Noise Lovest Level / Highest Level Increased Level No. of Noise Impacts	700 (51) - (52)	6,300 (51) - (52)	5,700	2,200 56 / 59 4 - 8	2,200 56 / 59 4 - 8	5,500 -/- -	2,400 57 / 59 5 - 8	2,400
IN West - Javesson Corner Road Lowest Lowest Lowed (Highest Level No. of Nose reports Community Impact Summary MOUNT MOPE Challence to Right of Way (II).	700 (51) - (52)	6,300 (51) - (52)	5,700 -/ 0 atives are within 360 feet of ve. the Yollow, Brown, Purpleases in noise from the Brow A and DelDOT criteria for a A	2,200 56 / 59 4 - 8	2,200 56 / 59 4 - 8	5,500 -/- -	2,400 57 / 59 5 - 8	2,400
Is West - Jameson Corner Road Lowest Earl (Highest Level Lowest Lowest Level No. of Noise Impacts Community Impact Summary MOUNT HOPE Dilatons in Sight of Way (IL) Road Right of Way (IL)	700 (51) - (52)	6,300 (51) - (52)	5,700 -/- 0 atives are within 350 feet of ve, the Yellow, Brown, Pugil arease in noise from the Brow A and DelTOT criteria for a tween the Brown and Gree >2,500′ N/A	2.200 56 / 59 4 - 8 0 some Aimort properties e, and Green Alternatives are and Green North Alternatives in North Alternatives and the 1.700 in North Alternatives and 1.700 in Nor	2,200 56 / 59 4 - 8 0 voold reduce traffic on Lore titles commanily to create a vis > 1,700' N/A	5,500 -/- 0 vood Grove Road and Jam sal screen from the roadwa > 2,500' NIA	2,400 57 / 59 5 - 8 0 ison Corner Road	2,400 -/ 0 0
IN West - Javeson Corner Read Lowest Ecol / Réplant Evel tocossed Level No. of Nobe Impacts Ocenmunity Impact Summary GOUNT HOPE SOUNT HOPE SOUNT HOPE Sounce In Right of Way (II) Readesing Economics (II) That Summary (April 1)	700 (51) - (52)	6,300 (51) - (52)	5,700 -/ 0 atives are within 360 feet of ve, the Yellow, Brown, Purgle sees in noise from the Brow A and DalfOT criteria for a tween the Brown and Gree > 2,500' N/A N/A	2,200 56 / 59 4 - 8 0 some Aimorb properties e, and Green Natematives we man of Green North Atternation of the North Atternation of the North Atternatives and the North Atternativ	2,200 56 / 59 4 - 8 0 vould reduce traffic on Lore trutes smallve community to create a vis > 1,700' N/A N/A	5,500 -7- 0 ovood Grove Road and Jam sal screen from the roadwa > 2,500' N/A N/A	2,400 57 / 59 5 - 8 0 ison Corner Road y >1,700' NIA NIA	2,400 -/- 0 > 1,700' N/A N/A
IN West - Javeson Corner Road Lowest Level 1 Highest Level Lowest Level 1 Highest Level No. of Noise Imputs Community Imputs Community Imputs MOUNT NOPE State State of Wiley (S) Road Roging (May 9) Tarlis' (Markey B) Tarlis' (Markey B) Tarlis' (Markey Roging No Morth - Loreacod Grow Road	700 (51) - (52) - The Brown and C - Compared to the Risidents would have a compared to the Annual hard bearing to	6,300 (51) - (52) Green North Alterna No Build Alternative axportence an incent meet the FHW is being proposed be	5,700 -/	2,200 56 / 59 4 - 8 0 some Airmort properties a, and Creen Airmantve we and and dreen North Alternation in North Alternatives and the > 1,700' N/A N/A 900	2,200 56 / 59 4 - 8 0 void reduce traffic on Lore stress armative a community to create a vise > 1,700' N/A N/A 900	5,500 -f- -0 0 vood Grove Road and Jam sal screen from the roadwa >2,500* NIA NIA 3,000	2,400 57 / 59 5 - 8 0 sion Corner Road y >-1,700' NIA NIA 1,300	2,400 -/- 0 >1,700' N/A N/A 1,300
Is West - Javesso Corner Road Lowest Event / Hybract Event Incompared Lowed No. of Nobes Imposed No. of Nobes Imposed Community Impact Summary Lower Impact Summ	700 (S1) - (S2) The Brown and C Corpared to the Residents will be Resident with the Resident some series of the Resident series o	6,300 (51) - (52) Green North Alterna No Buld Alternative or experience are not meat the FHW being proposed be	5,700 -/	2,200 56 / 59 4 - 8 0 some Airmont properties a, and Orean Alamatives w notes impact under notes impac	2,200 56 / 59 4 - 8 0 rould adduce traffic on Lores filtres massive community to create a vis > 1,700' NIA NIA NIA 900 35,900	5,500 -J 0 occid Grove Road and Jam sale creen from the roadwa > 2,500' NIA NIA NIA 3,000 NIA	2,400 57 / 59 5 - 8 0 ison Corner Road y >1,700* NIA NIA 1,300 43,500	2,400 -/- - 0 >1,700° NIA NIA 1,300 43,500
IN West - Javesson Corner Road Lowest Earl Hydract Evel Tonosade Lowel No. A Nabe Imposes No. A Nabe Imposes Community Impact Summary	700 (51) - (52) - The Brown and C - Compared to the - Rasidents with - Rasidents with - An earth barrn is 3,000 N/A 65,700	6,300 (51) - (52) Grean North Alterna No Build Alternative asperience an incomot most the FHW being proposed be 6,900 N/A 111,100	5,700 -/	2,200 56 / 59 4 - 8 50 me Amont properties , and Green Affamatives are an and Green Affamatives are and office North Alternatives and the North Alternati	2,200 56 / 59 4 - 8 0 would reduce traffic on Lore trivia markine community to create a vis >1,700' NIA NIA 900 35,800 119,700	5,500 -f- -0 0 vood Grove Road and Jam sal screen from the roadwa >2,500* NIA NIA 3,000	2,400 57 / 59 5 - 8 0 sion Corner Road y >-1,700' NIA NIA 1,300	2,400 -/- - 0 >1,700' N/A N/A
Is West - Javesso Corner Road Lowest Event / Hybract Event Incompared Lowed No. of Nobes Imposed No. of Nobes Imposed Community Impact Summary Lower Impact Summ	700 (51) - (52) - The Brown and C - Compared to the - Residents with - Residents with - Rosident sets - An earth berm is 3,000 N/A - 55,700 - The Yellow, Brow - Compared to the	6,300 (51) - (52) Green North Alterna No Buld Alternative and Subside Alternative and the FHW being proposed be 6,900 NIA 111,100 xn, Purple, and Gir Be Brow-Buld, the Brow	5,700 -/	2,200 56 / 59 4.8 0 conn Armon properties with a contract of the contract	2,200 56 / 59 4 - 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5,500 -/ 0 sood Grove Road and Jam sood Grove Road and Jam sail soven from the roadno > NA NIA NIA 3,200 NIA 119,500	2,400 57 / 59 5 - 8 0 sison Corner Road 7 > 1,700 NIA NIA 1,200 43,500 123,960	2,400 -/- - 0 >1,700° NIA NIA 1,300 43,500
IN West - Javesson Corner Road Lowest Earl Hydract Evel Tonosade Lowel No. A Nabe Imposes No. A Nabe Imposes Community Impact Summary	700 (51) - (52) - The Brown and C - Compared to the - Residents with - Residents with - Rosident sets - An earth berm is 3,000 N/A - 55,700 - The Yellow, Brow - Compared to the	6,300 (51) - (52) Green North Alterna No Buld Alternative and Subside Alternative and the FHW being proposed be 6,900 NIA 111,100 xn, Purple, and Gir Be Brow-Buld, the Brow	5,700 -/	2,200 56 / 59 4.8 0 conn Armon properties with a contract of the contract	2,200 56 / 59 4 - 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5,500 -J 0 occid Grove Road and Jam sale creen from the roadwa > 2,500' NIA NIA NIA 3,000 NIA	2,400 57 / 59 5 - 8 0 sison Corner Road 7 > 1,700 NIA NIA 1,200 43,500 123,960	2,400 -/- 0 >1,700' NIA NIA 1,300 43,500
IN West - Javesson Corner Road Lowest Lowest Lowel (*Fighest Level No. of Nates Impacts No. of Nates Impacts Community Impact Summay MOUNT HOPE Collance to Right of Way (*R.) Road Right of Way (*R.) **Table Subman (*R.) **Table Subman (*R.) **Table Subman (*R.) **Subman (*R.	700 (51) - (52) - The Brown and C - Compared to the - Residents with - Residents with - Rosident sets - An earth berm is 3,000 N/A - 55,700 - The Yellow, Brow - Compared to the	6,300 (51) - (52) Green North Alterna No Buld Alternative and Subside Alternative and the FHW being proposed be 6,900 NIA 111,100 xn, Purple, and Gir Be Brow-Buld, the Brow	5,700 -/	2,200 56 / 59 4.8 0 conn Armon properties with a contract of the contract	2,200 56 / 59 4 - 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5,500 -/ 0 sood Grove Road and Jam sood Grove Road and Jam sail soven from the roadno > NA NIA NIA 3,200 NIA 119,500	2,400 57 / 59 5 - 8 0 sison Corner Road 7 > 1,700 NIA NIA 1,200 43,500 123,960	2,400 -/- - 0 >1,700° NIA NIA 1,300 43,500
IN West - Javesson Corner Road Lowest Earl Hydract Evel Tonosade Lowel No. A Nabe Imposes No. A Nabe Imposes Community Impact Summary	700 (51) - (52) - The Brown and C - Compared to the - Residents with - Residents with - Rosident sets - An earth berm is 3,000 N/A - 55,700 - The Yellow, Brow - Compared to the	6,300 (51) - (52) Green North Alterna No Buld Alternative and Subside Alternative and the FHW being proposed be 6,900 NIA 111,100 xn, Purple, and Gir Be Brow-Buld, the Brow	5,700 -/	2,200 56 / 59 4.8 0 conn Armon properties with a contract of the contract	2,200 56 / 59 4 - 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5,500 -/ 0 sood Grove Road and Jam sood Grove Road and Jam sail soven from the roadno > NA NIA NIA 3,200 NIA 119,500	2,400 57 / 59 5 - 8 0 sison Corner Road 7 > 1,700 NIA NIA 1,200 43,500 123,960	2,400 -/- - 0 >1,700° NIA NIA 1,300 43,500
IN West - Javeson Corner Road Lowest Ecol / Highest Level Lowest Ecol / Highest Level No. A Nabe Imposest No. A Nabe Imposest Distances to Right of Way (1). Road Rapin of Starting (1). Tallets Visional	700 (51) - (52) - The Brown and C - Compared to the - Residents with - Residents with - Rosident sets - An earth berm is 3,000 N/A - 55,700 - The Yellow, Brow - Compared to the	6,300 (51) - (52) Green North Alterna No Buld Alternative and Subside Alternative and the FHW being proposed be 6,900 NIA 111,100 xn, Purple, and Gir Be Brow-Buld, the Brow	5,700 -10 -0 stores are within 350 feet of the control of th	2,200 56.59 4.8 0 some Armore properties. , and Green Attenuatives or motion from the control of the contro	2,200 66 / 59 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 4. 8 0 6. 1700 NIA NIA NIA NIA NIA NIA NIA N	5,560 -10 0 Nood Circum from the roadwal subsect from the roadwal s	2,400 57 / 50 5 - 8 0 ison Corner Road 7 > 1,700 NIA NIA 1,300 43,500 123,500 100 - 2307 2007 to 3007	2,400 -/- 0 >1,700' NN NN 1,300 43,500 123,900 1907-230' 250' to 300'
IN West - Javesson Corner Road Lowest Lowes	700 (51) - (52) - The Brown and C - Compared to the - Residents with - Residents with - Rosident sets - An earth berm is 3,000 N/A - 55,700 - The Yellow, Brow - Compared to the	6,300 (51) - (52) Green North Alterna No Bulds Alternative and State of the State	5,700 -10 -0 -0 -0 -0 -0 -0 -0	2,200 561 59 4 - 8 0 50ns Almort properties and Green Almaratives and The Almaratives and The Almaratives NNA NNA NNA NNA 1500 page from the Almaratives share to consequence of the Almaratives 1500 - 200	2,200 561 59 4 - 8 0 8 - 10 8 - 1700 100 100 100 100 100 100 100 100 100	5,500 -f0 0 occord Grove Road and James American Science Science From the roadward NAA NAA NAA NAA 119,500 NAA 119,500 NAA 119,500	2,400 57 / 50 5 - 8 0 sison Comer Read 7 > 1,700' NIA NIA 1,300 43,500 123,900 rods impact	2,400 -/ 0 >1,700 NR NR NR 1,300 123,900
IN West - Javesson Corner Road Lowest Each of Hydract Event Income Level 1 Hydract Event Inc. A Thiose Imposest Inc. A Thiose Imposest Inc. A Thiose Imposest Community Imposed Summary EXCOUNT HOPE EXCOUNT	700 (\$1) - (\$02) - This Bittown and Circ Companied to the Residents would be Residents of Annual Medical Circ Annual Medical Circ Annual Medical Circ This Yellow Elevis of the Residents will be Residents will be Residents will be	6.300 (51) - (62) Green North Allerman No Balld Alfernative No Balld No	5,700 -/////////-	2,200 56 / 169 4 - 8 4 - 8 56 / 169 5 - 8 5 -	2,200 66 (50) 4 - 8	5,000 -111111111-	2,400 57 / 59 5 - 8 0 0 sison Comer Road y >-1,700 N/A N/A 1,300 123,900 roite Impact 190 - 2307 260 to 3007 At Ginde to Above Grade	2,400 -1- 0 >1.700 >1.700 NA NA 1,300 43,500 123,900 160 - 220' to 300' At Create to Above Ci
In West - Juneson Corner Read Lowest Ecol / Highest Evel Lowest Ecol / Highest Evel Nos. of Nobe Impedia Nos. of Nobe Impedia Nos. of Nobe Impedia South Hope SOUTH HOPE Souther Impedia No Nobe Impedia N	700 (\$1) - (\$2) - The Brown and C - Compand to the A - Campand to the A - An earth born is 3,000 NA - An earth born is - Compand to the A - Residents will be	6,300 (\$1) - (\$2) Cosen Morth Attended	5.700 -1	2,200 66 / 16 0 4 - 8 0 50 / 4 0 0 50	2,200 66 / 100 4 - 8	5.000 -11 -0 -0 -000 Grove Road and Jam -10 except from the analysis -12.000 N/A -13.000 N/A -119.000 -1000 Analysis -119.000 -1000 Analysis -119.000 -1000 Analysis -119.000 -1000 Analysis -119.000 -119.000 -119.000	2 400 67 / 100 6 - 8 - 8 0 0 100 Corner Road 7 + 1,700 N/A N/A 1,300 43,500 1100 - 2007 2007 3,5007 A Closels in Papert	2,400 -10 0 >1,700 >1,700 >1,700 >1,700 1,700
IN West - Javesson Corner Road Lowest Level / Highest Level Lowest Level / Highest Level Thorousable Level Thorousable Level Thorousable Level Thorousable Level Thorousable Level Thorousable Level Community Impact Summary MOUNT HOPE MO	700 (\$1) - (\$02) - This Bittown and Circ Companied to the Residents would be Residents of Annual Medical Circ Annual Medical Circ Annual Medical Circ This Yellow Elevis of the Residents will be Residents will be Residents will be	6.300 (51) - (62) Green North Allerman No Balld Alfernative No Balld No	5.700 -11 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -	2,200 56 / 169 4 - 8 4 - 8 56 / 169 5 - 8 5 -	2,200 66 (50) 4 - 8	5,000 -111111111-	2,400 57 / 59 5 - 8 0 0 sison Comer Road y >-1,700 N/A N/A 1,300 123,900 roite Impact 190 - 2307 260 to 3007 At Ginde to Above Grade	2,400 -1- 0 >1,700 >1,700 NIA NIA 1,300 43,300 123,900 1507-207 267 to 300* At Grade to Above G
IN West - Javeson Corner Road Lowest Level / Highest Level Lowest Level / Highest Level No. 4 Nivel Imposs In Ministry In M	700 (\$1) - (\$2) - This Brown and C - Companed to the - Companed to the - Notice effects of - An earth borns is 3,000 - NA - 65,700 - The Video, Brown - Companed to the - Co	6.300 (61) - (62) Creen North Alternat No Bulk Alternation No Bulk Alternation or most be preprinted in North Alternation or most be preprinted in North Alternation or most be preprinted in North Alternation of Mark Mark Alternation 6.900 NUA No Bulk (1900 no. Parish and Gran North Alternation North Alternation North Alternation North Alternation 16.500 NUA 42,000 NUA	5.700 -1	2,200 68 (169 4 - 8 4 - 8 4 4 - 8 4 4 4 4 4 4 4 4 4 4	2,000 66 1/60 4 - 8 4 - 8 60 1/60 4 - 8 60 1/60 60 1/60 60 1/60 60 1/60 10	5.000 -	2 x00 57 / 69 5 - 8	2,400 -1- 0 >1,700 >1,700 NIA NIA 1,300 43,500 123,900 1507-207 267 to 3007 M Craste to Above G 6,900 NIA
Is West - Javeson Corner Road Lowest Event / Highest Event Lowest Event / Highest Event No. of Nobes Imposed. No. of Nobes Imposed. No. of Nobes Imposed. Distincts to Right of Way (%). The Ministry of May (%). The Ministry of Way (%). The Mini	700 (\$1) - (\$2) - The Brown and C - Compand to the A - Changard to the A - An earth berm is 3,000 NA - An earth berm is - Compand to the A - Residents well be	6.300 (81) - (82) Green North Alternation No Build Alternation Supplierione as Invited Alternation Supplierione as Invited In	5.700 5.	2,200 66 / 50 / 50 / 50 / 50 / 50 / 50 / 50 /	2,200 68 / 100 4 - 8 4 - 10 6 / 100 4 - 10 6 / 100 6 /	5.000 -1	2 x00 57 / 69 57 / 69 5 - 8 5	2,400
IN West - Javeson Corner Road Lowest Level / Highest Level Lowest Level / Highest Level No. 4 Nivel Imposs In Ministry In M	700 (\$1) - (\$2) - This Brown and C - Companed to the - Companed to the - Notice effects of - An earth borns is 3,000 - NA - 65,700 - The Video, Brown - Companed to the - Co	6.300 (61) - (62) Creen North Alternat No Bulk Alternation No Bulk Alternation or most be preprinted in North Alternation or most be preprinted in North Alternation or most be preprinted in North Alternation of Mark Mark Alternation 6.900 NUA No Bulk (1900 no. Parish and Gran North Alternation North Alternation North Alternation North Alternation 16.500 NUA 42,000 NUA	5.700	2,200 56 / 50 / 50 4 / 8 4 / 8 56 / 50 / 50 4 / 8 50 / 50 / 50 50 / 50 / 50 50 / 50 / 50 50 / 50 /	2,200 56 / 50 / 4 / 8 4 / 8 4 / 8 4 / 8 50 / 50 / 50 50 / 50 / 50 50 / 50 /	5.000 -777777777-	2,400 57 / 69 57 / 69 5.8 0 0 10 10 10 10 10 10 10 10 10 10 10 10	2,400 -1- 0 >1,700' NIK NIK 1,300 123,900 1997 - 2397 2597 to 3507 M Grado to Above Gal 6,5000 NIX 1,000 1,0
Witer Lawrence Corner Read Lowest Level I Hydred Level Lowest Level I Hydred Level No. of Near Impacts No. of Near Impacts No. of Near Impacts District Horpe Continuarity Impact Summary Novel Telephone District New York 10 South Fig. 10 South Sept. 10 South Se	Title Brown and C (\$10 - 602) The Brown and C (\$10 - 602) The Brown and C (\$10 - 602) Residents would have the C (\$10 - 602) 3,000 NAM The Value of the C (\$10 - 602) A (\$10 - 602)	6.300 (61) - (82) (61) - (82) (61) - (82) (61) - (82) (61) - (82) (61) - (82) (61) - (82) (61) - (82) (62) - (82) (63) - (82) (64) - (82)	5.700 5.	2,200 56 / 50 / 418 4 - 18 56 / 50 / 50 4 - 18 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56 / 50 / 50 56	2,200 56 (50) 4 - 8 4 - 8 4 - 8 56 (50)	5.000 -777777777-	2-00 57 / 59 5-18 6-18 6-18 70 70 70 70 70 70 70 70	2,400 -1- 0 -1,750' NIA NIA 1,500 43,500 123,000 123,000 123,000 13,000 140,000 150,000 16

COMMUNITIES	2005 Existing	2030 No-Build	ALTERNATIVES RETAINED FOR DETAILED EVALUATION					
			YELLOW	BROWN NORTH	BROWN SOUTH	PURPLE +SPUR	GREEN NORTH +SPUR	GREEN SOUTH +SPUR
PLEASANTON Distance to Right of Way (ft.)	+		600'	> 4,500'	> 4,500'	0 (direct)	0 (direct)	0 (direct)
Road Right of Way (ft.)			480'	N/A	N/A	290'-330'	290'-330'	290'-330'
Roadway Elevation (ft.)			Above Grade	N/A	N/A	Above Grade	Above Grade	Above Grade
Traffic Volumes (vpd)								
to North - Proposed US 301 (Purple and Green Only)	NA	N/A	N/A	N/A	N/A	31,200	42,200	42,200
to West - Existing US 301 (Proposed US 301 Yellow Only) Community Impact Summary	19,900 • The Yellow Alten • Compared to the	40,500 native is within 600 No-Build, all build	66,300 feet of this proposed comma laternatives except the Yel	25,000 nunity; the Purple and Green low would decrease traffic of been approved by the Cour	25,000 n Alternatives would require n existing US 301	23,100 ROW from the west side of	22,200 f Pleasanton	22,200
	This development	nt is under consider	ation only, and has not yet	been approved by the Cour	nty. Therefore, it does not w	arrant a noise analysis.		
CHURCHTOWN MANOR			>2,000'					
Distance to Right of Way (ft.) Road Right of Way (ft.)	+	-	>2,000° N/A	> 8,000°	> 8,000° N/A	0 (direct) 320'	0 (direct) 320°	0 (direct) 320'
Roadway Elevation (ft.)	1		N/A	N/A	N/A	Above Grade	Above Grade	Above Grade
Traffic Volumes (vpd)								
to North - Boyd's Corner Road (& Proposed US 301 - Yellow Only)	12,100	20,900	53,300	19,300	19,300	19,400	19,500	19,500
to East - Cedar Lane Road to West - Proposed US 301 (Purple and Green only)	4,500 N/A	9,700 N/A	6,100 N/A	5,500 N/A	5,500 N/A	5,600 31,200	4,500 42,200	4,500
to West - Proposed US 301 (Purple and Green only)							42,200	42,200
Community Impact Summary	 Compared to the 	No-Build, all build	alternatives except the Yel	e west side of Churchtown low would decrease traffic o been approved by the Cour	n Boyd's Corner Road and	Cedar Lane Road		
BAYBERRY	1		0 (direct)	> 1500'	> 1500'	O (discuss)	> 1500′	O (disease)
Distance to Right of Way (ft.) Road Right of Way (ft.)	+		0 (direct) 300 - 350	> 1500' N/A	> 1500' N/A	0 (direct) 300 - 350	> 1500' N/A	0 (direct) 300 - 325
Roadway Elevation (ft.)	+		Above Grade	N/A N/A	N/A N/A	Above Grade	N/A N/A	Below Grade to Above
Traffic Volumes (vpd) - Bayberry North	+		ALONE GIAGE	160		ALUTE GRAD	100	Grade
traffic Volumes (vpd) - Bayberry North to North - Proposed US 301 (Brown and Green Only)	N/A	N/A	N/A	35,800	35,800	N/A	43,500	43,500
to South - Boyd's Corner Road (& Proposed US 301 - Yellow and Purple only)	16,500	29,000	57,900	24,600	24,600	55,900	23,800	23,800
to West - Jamison Comer Road	700	6,300	5,700	8,900	8,900	5,500	7,300	7,300
Traffic Volumes (vpd) - Bayberry South								
to North - Boyd's Corner Road (& Proposed US 301 - Yellow and Purple Only)	16,500	29,000 9.700	57,900	24,600 5.500	24,600	55,900 5.600	23,800	23,800
to West - Cedar Lane Road Community Impact Summary	4,500 The Yellow, Purp The Brown and I	ile, and Green Sout Green South Alterna	6,100 h Alternatives would bised atives would lie more than and Groon would decrease		5,500 velopment		4,500	4,500
	This development	nt is under consider	ation only, and has not yet	been approved by the Cour	nty. Therefore, it does not w	arrant a noise analysis		
PENFIELD FARMS Distance to Right of Way (ft.)			>2.100′	>2.100′		>2,100'	>2.100′	>2,100'
Road Right of Way (ft.)	+	-	>2,100°	>2,100* N/A	>2,100° N/A	>2,100° N/A	>2,100* N/A	>2,100° N/A
Roadway Elevation (ft.)	+		N/A	N/A	N/A	N/A	N/A	N/A
Traffic Volumes (vpd) to West - US 13 & SR 1 (& Proposed US 301 - Yellow and Purple only)	63,400	107,800	125,100	89,400	89,400	122,050	85,800	85,800
Community Impact Summary	This proposed d Compared to the The Brown and it	evelopment is more No Build Alternatives Green Alternatives	than 2,000 feet from any in e, the Yellow and Purple A would decrease traffic on e ives, noise effects on this in	ilternative Iternatives would increase tr visting SR 1 and US 13	raffic on the existing SR 1 a		erfield Farms	
	• Given the distan	Ce irom the atternat	Was, nose ellects of this	roposed community will not	THERE ONE PHYSIA CHERIA IO	nose impacis		
APPOQUINIMINK HIGH SCHOOL	+							
Distance to Right of Way (ft.)	1		2,500	350	350	350	350	350
Road Right of Way (ft.)			N/A	250-300	250-300	250-300	250-300	250-300
Roadway Elevation (ft.)			N/A	Below Grade				
Traffic Volumes (vpd) to North - Bunker Hill Road	1.300	17.600	12.100					
							0.000	0.000
In Fast - Proposed US 301 (Pumie Brown and Green Only)	N/Δ	N/A	N/A	9,100 56,000	9,100 56,000	10,300 53,700	9,900 56,700	9,900 56,700
to East - Proposed US 301 (Purple, Brown and Green Only) Noise	N/A (46)	N/A (46)	N/A	9,100 56,000	9,100 56,000	10,300 53,700	9,900 56,700	9,900 56,700
Noise Lowest Level / Highest Level			N/A	56,000 57 / 57	56,000 57 / 57	53,700 57 / 57	56,700 57/57	
Noise Lowest Level / Highest Level Increased Level				56,000	56,000	53,700	56,700	56,700
Noise Lowest Level / Highest Level	(46)	(46)	./- - 0	56,000 57 / 57 11	56,000 57 / 57 11	53,700 57 / 57 11	56,700 57/57 11 1	56,700 57 / 57
Noise Lowest Level Highest Level Increased Level No. of Noise Impacts Community Impact Summary	(46)	(46)	./- - 0	56,000 57 / 57	56,000 57 / 57 11	53,700 57 / 57 11	56,700 57/57	56,700 57 / 57
Noise Lowest Level Plagnast Level forseased Evel No. of Noise Impacts Community Impact disummany CEDAR LANE ELEMENTARY & MIDDLE SCHOOLS	(46)	(46)	oure within 350 feet of the A, e, all Alternatives except the vould have noise effects the adverse visual and noise.	56,000 57 / 57 11 1 1 1 1 1 1 1 1 1 1 1 1	56,000 57 / 57 11 1 reperty on Codar Lane Road OOT criteria for a noise impu	53,700 57 / 57 11 1 set ternatives and being proportional properties.	56,700 57 / 57 11 1 seed by DelDOT	56,700 57 / 57 11 1
Noise Lowest Level Highest Level Increased Level No. of Noise Impacts Community Impact Summary	(46)	(46)	./- - 0	56,000 57 / 57 11	56,000 57 / 57 11	53,700 57 / 57 11	56,700 57/57 11 1 1 ssed by DelDOT	56,700 57 / 57
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Tools Lowest Lowel Frightest Level Increased Lowel May of Tools Impaires Community Impacts Community Impacts Summary CEDAN LANK ELEMENTARY & MIDDLE SCHOOLS Distances to Right only (E.)	(46)	(46)	uf - 0 or within 350 feet of the Ai	56,000 57 / 57 11 1 populinimink High School p allow would decrease traffic at meet the FFHVA and Dolli effects, are feasible for the E > 2 miles N/A	56,000 57 / 57 11 1 Icperty on Cadar Lane Road O'D ortifaris for a noise implication. Purple, and Green A > 2 miles N/A	53,700 57 / 57 11 1 set termatives and being properties.	56,700 57 / 57 11 1 1 2,600 N/A	56,700 57 / 57 11 1 1,000 325
Note: Lower Level Fréghest Level Increased Level Increased Level Increased Level Increased Level Increased Level Community Impact Summary CEDAR LANK ELEMENTARY & MODILE SCHOOLS Disabous to Rigid and Vity (1) Rober Rigid of Vity (1) Rober Rigid of Vity (1) Rober Rigid of Vity (1) Rober Rigid (Vity (1) Rober Rigid (Vity (1)) Rober Rigid (Vity (1))	- All build alternals - Compared to the - All build alternals - Earthen berms, 12,100	(46) vas except Yellow s No Build Albernativ vas except Yellow s except Yellow s which would reduce	uf - 0 or within 350 feet of the Ai	56,000 57 / 57 11 1 populinimink High School p allow would decrease traffic at meet the FFHVA and Dolli effects, are feasible for the E > 2 miles N/A	56,000 57 / 57 11 1 Icperty on Cadar Lane Road O'D ortifaris for a noise implication. Purple, and Green A > 2 miles N/A	53,700 57 / 57 11 1 set teamstives and being proper 450 320	56,700 57 / 57 11 1 1 2,600 N/A	56,700 57 / 57 11 1 1,000 325
Notice Lowest Level / Highest Level Increased Level And (Robe Impairs Community Impact Summary CEDAR LANE BLEMENTARY & MODLE SCHOOLS Collection is Right of Way (1) Roadway (Execution (1)) Roadway (Execution (1)) Roadway (Execution (1)) Thinlife Valumes (pol) In Note - Soyd's Corum Road (E Proposed US 301 - Yellow & Purple Only) Scient-Cedeb Lane Road	All build alternal Compared to the All build atternal Earthun berms, 12,100 4,500	(46) vos except Yellow v No Build Albernasiv ves except Yellow v ethich would reduce 20,900 9,700	J - 0 or within 350 feet of the A, o, all Atternatives except in out have noise effects the adverse visual and noise adverse visual and noise devices of the A door adverse visual and noise 20,000 appendix of the A door a	56,000 57 / 57 11 soquinimin Hyll School of the School	56,000 57 / 57 11 11 11 11 11 10 11 11 11 1	\$3,700 57 / 57 11 1 st themselves and being proper 450 320 Above Grade 50,500 5,500	56,700 57/57 11 1 1 2,600 N/A N/A 19,500 4,500	56,700 57 / 57 11 1 1,000 325 At Grade to Above Grade 19,500 4,500
Tools Lower Low / Fighrest Level Increased Level Level Level Level Increased Regired Level Level Increased Regired Level Increased Level Incre	All build alternate Compared to the All build alternate Earthen berms, the Latternate to the teams,	(46) vas except Yellow s No Build Albernativ vas except Yellow which would reduce 20,900 9,700 NiiA	d	56,000 57 / 57 11 12 poquinimin Hgh School pillow would decrease trafficial meet the FHWA and Dell'iffocts, are feasible for the fillow. > 2 miles N/A N/A 19,300	56,000 57 / 57 11 10 10 10 10 10 10 10 10 1	53,700 57 / 57 11 1 set ternatives and being proposed to the set of the s	56,700 57 / 57 11 1 2,600 NIA NIA 19,500	56,700 57 / 57 11 1 1,000 325 At Grade to Above Grade 19,500
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Notice Lowest Level / Highest Level Increased Level Increased Level Increased Level Increased Level Stand Richard Ingress Community Impact Summany CEDARL LANKE ELEMENTARY & MODILE SCHOOLS Collection Stigle of Way (t.) Roadway (Special Way (t.) Roadway (Special Way (t.) Things Valumes (ept) In Note: Royel Comme Road (& Proposed US 301 - Vallow & Purple Chily) In Stand: - Road of Ingress and Orean Chily) Note: - East - Modile Lank Road (& Proposed US 301 - Vallow & Chily) Note: - East - Modile Land Level Level Increased Level - East Increased Level - East Increased Level - East	(46) - All build alternalised - Compared to the All build alternalised - Campared to the All build alternalised - Earthwn borms, 12,100 - 4,500 - NIA - 80 - 64	(46) ves except Yellow No Build Abernative No Build Abernative ves except Yellow we carept Yellow we cherich wecude reduce 20,900 9,700 NIA 61 64	J	56,000 57 / 57 11 10 populirimina High School p bilow would decrease framfi- mind to the second decrease framfi- minds, are fassible for the 16 > 2 miles NVA. NVA. 19,300 5,500 NIA.	56,000 57,57 11 11 sperty 1 on Cedar Road on Cadar Road NA NA NA 19,300 5,500 NA -10 0	53,700 57 / 57 11 1 vct 450 320 Above Grads 50,500 5,600 31,100 63 / 63 3	56,700 57 / 57 11 1 need by DMDDT 2,600 N/A N/A N/A 19,500 4,500 42,200 -/- -	56,700 57 / 57 11 1 1,000 325 At Grade to Above Grade 19,500 4,500 42,200
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