

## V. Prioritization and Improvement Plan

A major goal of the study is to develop an Improvement Plan for the County's bus stops. The engineering analysis studied the accessibility of the stops, categorized each stop and estimated the effort to improve non-conforming stops. To develop an improvement plan, the Study Team prioritized the stops determined to need improvement (Category C) or with difficult access (Category D).

This section describes the process to prioritize the stops, and the results of the prioritization effort.

### **The Prioritization Process**

A bus stop prioritization system was developed that objectively prioritizes the 655 Category C and D stops based on six comprehensive evaluation criteria. These criteria and their relative weight were determined in a series of sessions that included the Study Team and County personnel. Each stop was evaluated by assigning a score between 1 and 5 for each criterion. Those 6 scores for each stop were then weighted, to provide an overall, single score for the stop. The six criteria and their relative weight are shown below. The weights were determined using the Hierarchical Analytic Process, also known as pair-wise comparison method. A table summarizing the criteria can be found below:

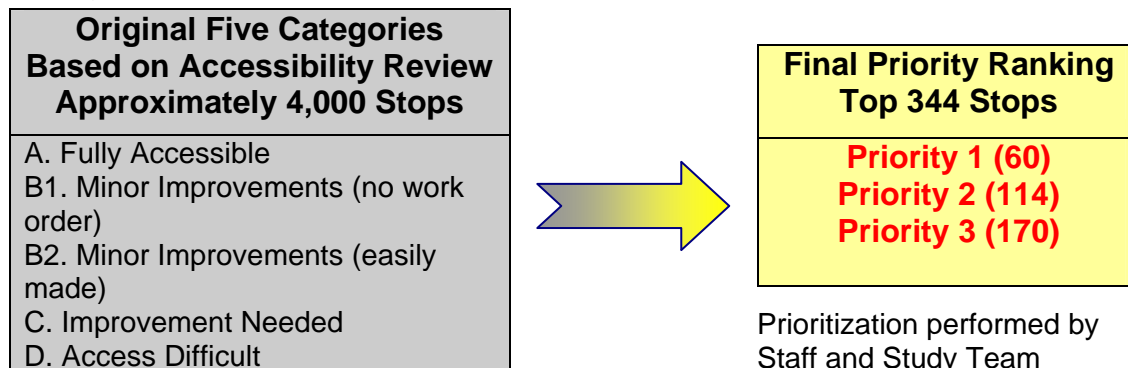
<b>Prioritization Criteria and Weights</b>		
<b>Evaluation Criteria</b>	<b>Typical Considerations</b>	<b>Weight</b>
<b>Safety</b>		<b>0.731</b>
Pedestrian access	Sidewalk, ramps, pedestrian signals, lighting and any obstacles to access.	
Waiting safety	Pad, shelter, obstacles and proximity to roadway.	
Bus Access	Lane width, sight distance, pull out area.	
<b>Estimated and Potential Ridership</b>	Current use, nearby generators and potential based on land use with fully accessible stops	<b>0.161</b>
<b>Cost</b>	Construction cost	<b>0.073</b>
<b>Secondary Benefit</b>	Non transit pedestrian safety or removal of vehicular or pedestrian obstacles.	<b>0.035</b>
<b>TOTAL</b>		<b>1.000</b>

**Results**

All stops with an overall weighted score of 3.0 or above were identified as High Priority stops. This set was then subdivided into 3 Priority groups (Priority 1, Priority 2, and Priority 3). This resulted in a total of 344 bus stops being identified as high priority stops. Within each Priority group, stops are ranked based on their actual score. The table below summarizes the results and shows the different Priority levels from highest to lowest.

Category C and D Bus Stops		
Priority Level	Overall Score	Number of Stops
Priority 1	4.4	7
Priority 1	4.3	3
Priority 1	4.2	7
Priority 1	4.1	29
Priority 1	4.0	14
<b>SUBTOTAL</b>		<b>60</b>
Priority 2	3.9	28
Priority 2	3.8	23
Priority 2	3.7	18
Priority 2	3.6	16
Priority 2	3.5	29
<b>SUBTOTAL</b>		<b>114</b>
Priority 3	3.4	42
Priority 3	3.3	57
Priority 3	3.2	22
Priority 3	3.1	33
Priority 3	3.0	16
<b>SUBTOTAL</b>		<b>170</b>
<b>GRAND TOTAL</b>		<b>344</b>

Prioritization assigns a ranking which should not be confused with the original 5 categories based on a bus stop’s physical characteristics.



Categorization performed by Engineers

The list below shows all 344 Priority stops. Scoring was performed 1 to 5 and each score was multiplied by the criteria weight.

Stop ID	On Street	At Street	Category	Overall Score	Priority Level
1062	LITTLE RIVER TPKE		D	4.4	Priority 1
3490	BACKLICK RD		D	4.4	Priority 1
2227	COLUMBIA PIKE	LINCOLNIA RD	D	4.4	Priority 1
3702	LEE JACKSON MEMORIAL HWY	GALESBURY LA	D	4.4	Priority 1
4054	BRADDOCK RD	ROLLING RD	D	4.4	Priority 1
4094	LITTLE RIVER TPKE	WAKEFIELD CHAPEL RD	D	4.4	Priority 1
2404	ARLINGTON BLVD	MARSHALL ST	D	4.4	Priority 1
4572	FLINT HILL RD	RAMBLING RD	D	4.3	Priority 1
4395	OLD DOMINION DR	FRANKLIN PARK RD	D	4.3	Priority 1
1371	BURKE RD		D	4.3	Priority 1
3107	LEESBURG PIKE	PATRICK HENRY DR	D	4.2	Priority 1
4077	LITTLE RIVER TPKE	OLD COLUMBIA PIKE	D	4.2	Priority 1
4024	BRADDOCK RD	REDFOX DR	D	4.2	Priority 1
3120	OLD KEENE MILL RD	KEENE DR	D	4.2	Priority 1
3129	OLD KEENE MILL RD	AINSWORTH AVE	D	4.2	Priority 1
3670	OLLEY LA	GOSS RD	D	4.2	Priority 1
1732	ALBAN RD	SPRINGFIELD OAKS DR	D	4.2	Priority 1
4329	MAGARITY RD	LUSBY PL	D	4.1	Priority 1
4330	MAGARITY RD	GRIFFITH RD	D	4.1	Priority 1
4380	CHAIN BRIDGE RD	HUNTING AVE	D	4.1	Priority 1
5082	GLADE DR	BRETON CT	D	4.1	Priority 1
2291	ANNANDALE RD	SHEFFIELD CT	D	4.1	Priority 1
3130	OLD KEENE MILL RD	BARDU AVE	D	4.1	Priority 1
1113	FORT HUNT RD	WAKE FOREST DR	D	4.1	Priority 1
1185	FORT HUNT RD	GAHANT RD	D	4.1	Priority 1
1376	BURKE RD	OLD BURKE LAKE RD	D	4.1	Priority 1
1552	BURKE LAKE RD		D	4.1	Priority 1
2412	ARLINGTON BLVD	FRONTAGE RD	D	4.1	Priority 1
3077	OLD KEENE MILL RD	WESTMORE DR	D	4.1	Priority 1

Stop ID	On Street	At Street	Category	Overall Score	Priority Level
3091	OLD KEENE MILL RD	KEENE DR	D	4.1	Priority 1
3114	LEESBURG PIKE		D	4.1	Priority 1
5119	SOAPSTONE DR	WOODHOLLOW CT	D	4.1	Priority 1
5120	SOAPSTONE DR	HEARTHSTONE CT	D	4.1	Priority 1
5122	SOAPSTONE DR	STONEVIEW SQ	D	4.1	Priority 1
5123	SOAPSTONE DR	ROLLING GREEN CT	D	4.1	Priority 1
5137	SOAPSTONE DR	HEARTHSTONE CT	D	4.1	Priority 1
5138	SOAPSTONE DR	WOODHOLLOW CT	D	4.1	Priority 1
5528	STRINGFELLOW RD	CROSS KEYS CT	D	4.1	Priority 1
5884	IDYLWOOD RD		D	4.1	Priority 1
2023	TELEGRAPH RD	DUNSMORE RD	D	4.1	Priority 1
3673	LITTLE RIVER TPKE	ELIZABETH LA	D	4.1	Priority 1
4080	LITTLE RIVER TPKE	ROBERTS AVE	D	4.1	Priority 1
4389	OLD DOMINION DR	VALLEY AVE	D	4.1	Priority 1
3497	BACKLICK RD	BARTA RD	D	4.1	Priority 1
5089	SOAPSTONE DR	CATALPA CT	D	4.1	Priority 1
5226	SUNRISE VALLEY DR	GLADE DR	D	4.1	Priority 1
1658	GUINEA RD	FALMEAD RD	D	4.0	Priority 1
3676	LITTLE RIVER TPKE	WAKEFIELD DR	D	4.0	Priority 1
3265	EDSALL RD	INDUSTRIAL DR	D	4.0	Priority 1
1129	FORT HUNT RD	GLADSTONE PL	D	4.0	Priority 1
2040	TELEGRAPH RD	BELLEAU WOODS LA	D	4.0	Priority 1
2427	ARLINGTON BLVD	CEDAR LA	D	4.0	Priority 1
2464	HUMMER RD	MARSHALL DR	D	4.0	Priority 1
4012	BRADDOCK RD	BLUE RIDGE AVE	D	4.0	Priority 1
4400	OLD DOMINION DR	KIRBY RD	D	4.0	Priority 1
4402	OLD DOMINION DR	VALLEY AVE	D	4.0	Priority 1
5195	SUNSET HILLS RD	HUNTER MILL RD	D	4.0	Priority 1
5873	TELEGRAPH RD	ROXANN RD	D	4.0	Priority 1
2228	COLUMBIA PIKE	OXFORD CT	D	4.0	Priority 1
3719	LEE JACKSON MEMORIAL HWY	STRINGFELLOW RD	D	4.0	Priority 1

1050	RICHMOND HWY	CHERWEK DR	D	3.9	Priority 2
1121	FORT HUNT RD	SHERWOOD HALL RD	D	3.9	Priority 2
3083	OLD KEENE MILL RD	CARRLEIGH PKWY	D	3.9	Priority 2
4091	LITTLE RIVER TPKE	LAKE BLVD	D	3.9	Priority 2
4187	LEESBURG PIKE	COLVIN RUN RD	D	3.9	Priority 2
4386	OLD DOMINION DR	SIXTH PL	D	3.9	Priority 2
4387	OLD DOMINION DR	SECOND PL	D	3.9	Priority 2
4404	OLD DOMINION DR	SIXTH PL	D	3.9	Priority 2
5090	LAWYERS RD	GOLDCUP LA	D	3.9	Priority 2
5635	LEWINSVILLE RD	SCOTT RUN RD	D	3.9	Priority 2
2272	SLEEPY HOLLOW RD	OVERHILL RD	D	3.9	Priority 2
2290	ANNANDALE RD	STATECREST DR	D	3.9	Priority 2
3679	LITTLE RIVER TPKE	DUNCAN DR	D	3.9	Priority 2
3737	STRINGFELLOW RD	MARBLE ROCK DR	D	3.9	Priority 2
4194	LEESBURG PIKE	CARPERS FARM WY	D	3.9	Priority 2
4394	OLD DOMINION DR	PARK RD	D	3.9	Priority 2
4493	PARK ST	CASMAR ST	D	3.9	Priority 2
1061	LITTLE RIVER TPKE	PINECREST VISTA DR	D	3.9	Priority 2
3282	EDSALL RD	INDIAN RUN PKWY	D	3.9	Priority 2
3713	LEE JACKSON MEMORIAL HWY	FAIR RIDGE DR	D	3.9	Priority 2
1198	FORT HUNT RD	OLDE TOWNE RD	D	3.9	Priority 2
1380	BURKE RD	ASHBOURN DR	D	3.9	Priority 2
3193	FRANCONIA RD	PEVERILL DR	D	3.9	Priority 2
3677	LITTLE RIVER TPKE	WAKEFIELD CHAPEL RD	D	3.9	Priority 2
4011	BRADDOCK RD	FERNDAL ST	D	3.9	Priority 2
4403	OLD DOMINION DR	BIRCH RD	D	3.9	Priority 2
4438	DOLLEY MADISON BLVD	SAVILE LA	D	3.9	Priority 2
5096	LAWYERS RD	STEEPLECHASE DR	D	3.9	Priority 2
1794	POHICK RD	SOUTHRUN RD	D	3.8	Priority 2
5101	SOAPSTONE DR	CATALPA CT	D	3.8	Priority 2
1624	BURKE CENTER PKWY	BURKE POND LA	D	3.8	Priority 2
2274	SLEEPY HOLLOW RD	VALLEY CT	D	3.8	Priority 2

1063	LITTLE RIVER TPKE	PIKENECAST VISTA DR	D	3.8	Priority 2
1120	FORT HUNT RD	MASON HILL DR	D	3.8	Priority 2
1152	MT VERNON MEMORIAL HWY	MT VERNON RD	D	3.8	Priority 2
1261	MT VERNON HWY	CUNNINGHAM DR	D	3.8	Priority 2
1786	NEWINGTON FOREST AVE	TREASURE TREE CT	D	3.8	Priority 2
2392	ARLINGTON BLVD	CHICHESTER LA	D	3.8	Priority 2
3080	OLD KEENE MILL RD	JANSEN DR	D	3.8	Priority 2
4099	LITTLE RIVER TPKE	GLENBROOK RD	D	3.8	Priority 2
4191	LEESBURG PIKE	DELTA GLEN CT	D	3.8	Priority 2
4198	LEESBURG PIKE	LYONS ST	D	3.8	Priority 2
4390	OLD DOMINION DR	VALLEY AVE	D	3.8	Priority 2
4444	DOLLEY MADISON BLVD	BUCHANAN ST	D	3.8	Priority 2
5091	LAWYERS RD	CHARLESTOWN LA	D	3.8	Priority 2
5145	COLTS NECK RD	QUORN LA	D	3.8	Priority 2
5146	COLTS NECK RD	STIRRUP RD	D	3.8	Priority 2
5259	BARON CAMERON AVE	LAKE FAIRFAX DR	D	3.8	Priority 2
5368	FRANKLIN FARM RD	POND CREST LA	D	3.8	Priority 2
5524	STRINGFELLOW RD	CORALBERRY DR	D	3.8	Priority 2
5735	GEORGE WASHINGTON MEMORIAL PKWY		D	3.8	Priority 2
2289	ANNANDALE RD	MASON LA	D	3.7	Priority 2
3607	AMERICANA DR	HERITAGE DR	D	3.7	Priority 2
3608	AMERICANA DR	HERITAGE DR	D	3.7	Priority 2
4538	FOLLIN LA	ECHOLS ST	D	3.7	Priority 2
4430	DOLLEY MADISON BLVD	MERCHANT LA	D	3.7	Priority 2
2393	ARLINGTON BLVD	CEDAR LA	D	3.7	Priority 2
3088	OLD KEENE MILL RD	HILLSIDE RD	D	3.7	Priority 2
3122	OLD KEENE MILL RD	HUNTSMAN BLVD	D	3.7	Priority 2
4014	BRADDOCK RD	RAVENSWORTH RD	D	3.7	Priority 2
5364	FRANKLIN FARM RD	FAIRFAX COUNTY PKWY	D	3.7	Priority 2
1186	FORT HUNT RD	ALEXANDRIA AVE	D	3.7	Priority 2
3076	OLD KEENE MILL RD	HUNTER VILLAGE DR	D	3.7	Priority 2

1559	COFFER WOODS RD	BLINCOE CT	D	3.7	Priority 2
1731	ALBAN RD	SPRINGFIELD OAKS DR	D	3.7	Priority 2
1733	ALBAN RD	ALBAN STATION CT	D	3.7	Priority 2
2207	COLUMBIA PIKE	WHISPERING LA	D	3.7	Priority 2
1785	HOOES RD	NEWINGTON FOREST AVE	D	3.7	Priority 2
3614	DUNCAN DR	BRANCH RD	D	3.7	Priority 2
2278	SLEEPY HOLLOW RD	TANSEY DR	D	3.6	Priority 2
4183	LEESBURG PIKE	ATWOOD RD	D	3.6	Priority 2
4184	LEESBURG PIKE	FORESTVILLE DR	D	3.6	Priority 2
4185	LEESBURG PIKE	MIDDLETON RIDGE RD	D	3.6	Priority 2
4193	LEESBURG PIKE	COLVIN FOREST DR	D	3.6	Priority 2
4197	LEESBURG PIKE	BEULAH RD	D	3.6	Priority 2
4427	DOLLEY MADISON BLVD	LYNWOOD HILL RD	D	3.6	Priority 2
4428	DOLLEY MADISON BLVD	DUNAWAY RD	D	3.6	Priority 2
5369	FRANKLIN FARM RD	WEST OX RD	D	3.6	Priority 2
1057	LITTLE RIVER TPKE	BROOKSIDE DR	D	3.6	Priority 2
3090	OLD KEENE MILL RD	FIELD MASTER DR	D	3.6	Priority 2
2351	LEE HWY	HARTLAND RD	D	3.6	Priority 2
1617	BURKE CENTRE PKWY	BURNSIDE LANDING DR	D	3.6	Priority 2
3615	DUNCAN DR	BRANCH RD	D	3.6	Priority 2
2268	SLEEPY HOLLOW RD	ASPEN LA	D	3.6	Priority 2
2275	SLEEPY HOLLOW RD	HOLMES RUN RD	D	3.6	Priority 2
1155	MT VERNON MEMORIAL HWY	RICHMOND HWY	D	3.5	Priority 2
1157	MT VERNON MEMORIAL HWY	MT VERNON RD	D	3.5	Priority 2
1289	FAIRFAX COUNTY PKWY		D	3.5	Priority 2
1290	FAIRFAX COUNTY PKWY		D	3.5	Priority 2
1379	BURKE RD	PEPPERCORN DR	D	3.5	Priority 2
1553	COFFER WOODS RD	HEMLOCK WOODS LA	D	3.5	Priority 2
1555	COFFER WOODS RD	WARDS GROVE CI	D	3.5	Priority 2

1561	COFFER WOODS RD	COFFER WOODS PL	D	3.5	Priority 2
1775	SILVERBROOK RD	SOUTHRUN RD	D	3.5	Priority 2
2330	ANNANDALE RD	SHEFFIELD CT	D	3.5	Priority 2
4199	LEESBURG PIKE	TOWLSTON RD	D	3.5	Priority 2
4429	DOLLEY MADISON BLVD	POTOMAC SCHOOL RD	D	3.5	Priority 2
4441	DOLLEY MADISON BLVD	LYNWOOD HILL RD	D	3.5	Priority 2
5093	LAWYERS RD	STEEPLECHASE DR	D	3.5	Priority 2
5094	LAWYERS RD	FARRIER LA	D	3.5	Priority 2
5097	LAWYERS RD	BLUE SPRUCE RD	D	3.5	Priority 2
5362	FRANKLIN FARM RD	STONE HEATHER DR	D	3.5	Priority 2
5717	LEESBURG PK	STOKLEY WY	D	3.5	Priority 2
3612	DUNCAN DR	LITTLE RIVER TPKE	D	3.5	Priority 2
3613	DUNCAN DR	LITTLE RIVER TPKE	D	3.5	Priority 2
1044	RICHMOND HWY	CHERWEK DR	C	3.5	Priority 2
1201	FORT HUNT RD		D	3.5	Priority 2
4095	LITTLE RIVER TPKE	WOODBURN RD	D	3.5	Priority 2
2180	BUCKMAN RD	ROLLING HILLS AVE	D	3.5	Priority 2
3078	OLD KEENE MILL RD	HARWOOD PL	D	3.5	Priority 2
1066	LITTLE RIVER TPKE	BRADDOCK RD	C	3.5	Priority 2
3672	LITTLE RIVER TPKE	TAYLOR DR	D	3.5	Priority 2
3731	STRINGFELLOW RD	POINT PLEASANT DR	D	3.5	Priority 2
4440	DOLLEY MADISON BLVD	DUNAWAY DR	D	3.5	Priority 2
1146	MT VERNON MEMORIAL HWY	CHERRY TREE DR	D	3.4	Priority 3
1193	FORT HUNT RD	FORT HUNT CT	D	3.4	Priority 3
4182	LEESBURG PIKE	STOKLEY WY	D	3.4	Priority 3
4192	LEESBURG PIKE	COLVIN FOREST DR	D	3.4	Priority 3
1007	RICHMOND HWY	SOUTHGATE DR	C	3.4	Priority 3
3133	OLD KEENE MILL RD	HARWOOD PL	C	3.4	Priority 3
3694	LITTLE RIVER TPKE	WILLOW RUN DR	C	3.4	Priority 3
3698	LEE JACKSON MEMORIAL HWY	AIRLINE PKWY	C	3.4	Priority 3
3701	LEE JACKSON MEMORIAL HWY	CHANTILLY RD	C	3.4	Priority 3

3726	LEE JACKSON MEMORIAL HWY	AVION PKWY	C	3.4	Priority 3
4093	LITTLE RIVER TPKE		C	3.4	Priority 3
5861	POHICK RD	CULLUM ST	C	3.4	Priority 3
1040	RICHMOND HWY	CONSTITUTION RD	C	3.4	Priority 3
2269	SLEEPY HOLLOW RD	NICHOLSON ST	C	3.4	Priority 3
3669	OLLEY LA	WEIRICH RD	D	3.4	Priority 3
1872	GLADE DR	GREEN RANGE DR	C	3.4	Priority 3
1192	FORT HUNT RD	PAUL SPRING RD	D	3.4	Priority 3
1433	DANBURY FOREST DR	BRADDOCK RD	D	3.4	Priority 3
4186	LEESBURG PIKE	FAULKNER DR	D	3.4	Priority 3
4188	LEESBURG PIKE	COLVIN FOREST DR	D	3.4	Priority 3
4189	LEESBURG PIKE	COLVIN RUN RD	D	3.4	Priority 3
4195	LEESBURG PIKE	OUTLET RD	D	3.4	Priority 3
4405	OLD DOMINION DR	SIXTH PL	D	3.4	Priority 3
4431	DOLLEY MADISON BLVD	BASIL RD	D	3.4	Priority 3
1035	RICHMOND HWY	SACRAMENTO DR	C	3.4	Priority 3
1059	LITTLE RIVER TPKE	GREEN SPRING RD	C	3.4	Priority 3
1184	FORT HUNT RD	SHENANDOAH RD	D	3.4	Priority 3
1560	COFFER WOODS RD	BURKE TOWNE CT	C	3.4	Priority 3
1613	BURKE CENTRE PKWY	OX RD	D	3.4	Priority 3
1757	ALBAN RD	ROLLING RD	C	3.4	Priority 3
3675	LITTLE RIVER TPKE	IVA LA	D	3.4	Priority 3
3705	LEE JACKSON MEMORIAL HWY	KALMIA LA	C	3.4	Priority 3
4087	LITTLE RIVER TPKE		C	3.4	Priority 3
4089	LITTLE RIVER TPKE	WOODLAND RD	C	3.4	Priority 3
4163	LEESBURG PIKE	TOWERS CRESCENT DR	C	3.4	Priority 3
4323	MAGARITY RD	LUSBY PL	C	3.4	Priority 3
5183	HUNTER MILL RD	SUNRISE VALLEY DR	D	3.4	Priority 3
3678	LITTLE RIVER TPKE	LAKE DR	C	3.4	Priority 3
4203	LEESBURG PIKE	WESTWOOD CENTER DR	C	3.4	Priority 3
3128	OLD KEENE MILL RD	CARRLEIGH PKWY	C	3.4	Priority 3
3188	FRANCONIA RD	CANNON LA	C	3.4	Priority 3

5098	LAWYERS RD	CHARLESTOWN LA	C	3.4	Priority 3
2418	ARLINGTON BLVD	WOODLAWN AVE	D	3.3	Priority 3
1027	RICHMOND HWY	BREVARD CT	D	3.3	Priority 3
2397	ARLINGTON BLVD	WILLIAMS DR	C	3.3	Priority 3
2574	WESTFIELDS BLVD	SULLY STATION DR	C	3.3	Priority 3
5001	RESTON PKWY	BENNINGTON WOODS RD	C	3.3	Priority 3
1213	BEACON HILL RD		C	3.3	Priority 3
2188	SOUTH KINGS HWY	PICKETT ST	C	3.3	Priority 3
2667	CONFERENCE CENTER DR	LEE RD	C	3.3	Priority 3
4065	BRADDOCK RD	HEMING AVE	C	3.3	Priority 3
4066	BRADDOCK RD	PIEDMONT PL	C	3.3	Priority 3
4349	WESTMORELAND ST	SOMERVILLE DR	C	3.3	Priority 3
5235	NORTH VILLAGE RD	LAKE NEWPORT RD	D	3.3	Priority 3
4399	OLD DOMINION DR	KIRBY RD	C	3.3	Priority 3
1015	RICHMOND HWY	FORDSON RD	C	3.3	Priority 3
1029	RICHMOND HWY	FRYE RD	C	3.3	Priority 3
1034	RICHMOND HWY	SACRAMENTO DR	C	3.3	Priority 3
1054	LITTLE RIVER TPKE		C	3.3	Priority 3
1085	RICHMOND HWY	RUSSELL RD	C	3.3	Priority 3
1094	RICHMOND HWY	FORDSON RD	C	3.3	Priority 3
1126	FORT HUNT RD	SHENANDOAH RD	C	3.3	Priority 3
1274	FAIRFAX COUNTY PKWY	RESERVATION DR	C	3.3	Priority 3
1578	BURKE CENTRE PKWY	BURKE COMMONS RD	C	3.3	Priority 3
2344	LEE HWY	MAINSTONE DR	C	3.3	Priority 3
2497	CHAIN BRIDGE RD	ROSEHAVEN ST	C	3.3	Priority 3
2556	FAIR LAKES PKWY	FAIR LAKES SHOPPING CE	C	3.3	Priority 3
3071	OLD KEENE MILL RD	WESTMORE DR	C	3.3	Priority 3
5177	SUNRISE VALLEY DR	SOUTH LAKES DR	C	3.3	Priority 3
5229	SUNRISE VALLEY DR	EDMUND HALLEY DR	C	3.3	Priority 3
5630	LEWINSVILLE RD	FARM CREDIT DR	C	3.3	Priority 3
3113	LEESBURG PIKE	PATRICK HENRY DR	C	3.3	Priority 3
1149	MT VERNON MEMORIAL HWY	OLD MILL RD	C	3.3	Priority 3

1160	MT VERNON MEMORIAL HWY	FERRY LANDING RD	C	3.3	Priority 3
1305	ROLLING RD		C	3.3	Priority 3
1384	BURKE RD	PARAKEET DR	C	3.3	Priority 3
1563	COFFER WOODS RD	ROUND TOP LA	C	3.3	Priority 3
1564	COFFER WOODS RD	WARDS GROVE CI	C	3.3	Priority 3
1565	COFFER WOODS RD	HEMLOCK WOODS LA	C	3.3	Priority 3
1773	HOOES RD	COPPER LEAF WY	C	3.3	Priority 3
1783	HOOES RD	NEWINGTON COMMONS RD	C	3.3	Priority 3
2022	TELEGRAPH RD	HIGHLAND MEADOWS CT	C	3.3	Priority 3
2225	COLUMBIA PIKE	AQUA TE	C	3.3	Priority 3
2365	LEE HWY	WOODLEY PL	C	3.3	Priority 3
2428	ARLINGTON BLVD	CHICHESTER LA	C	3.3	Priority 3
3079	OLD KEENE MILL RD	GREELEY BLVD	C	3.3	Priority 3
3332	BEULAH ST	OUTLET RD	C	3.3	Priority 3
3389	FAIRFAX COUNTY PKWY	TERMINAL RD	C	3.3	Priority 3
3680	LITTLE RIVER TPKE	PINERIDGE DR	C	3.3	Priority 3
4096	LITTLE RIVER TPKE	PROSPERITY AVE	C	3.3	Priority 3
4122	TELEGRAPH RD	WILTON RD	C	3.3	Priority 3
4423	DOLLEY MADISON BLVD	KURTZ RD	C	3.3	Priority 3
4435	CHAIN BRIDGE RD	G. WASHINGTON MEMORIAL PKWY	C	3.3	Priority 3
4437	DOLLEY MADISON BLVD	BASIL RD	C	3.3	Priority 3
5095	LAWYERS RD	TACK LA	C	3.3	Priority 3
5370	FRANKLIN FARM RD	POND CREST LA	C	3.3	Priority 3
5629	LEWINSVILLE RD	TYSONS MCLEAN DR	C	3.3	Priority 3
2124	WOODLAWN RD	GORGAS RD	C	3.3	Priority 3
3688	LITTLE RIVER TPKE	JOHN MARR DR	C	3.3	Priority 3
1045	RICHMOND HWY	DUTCHMAN DR	C	3.2	Priority 3
1046	RICHMOND HWY	FERNEDGE LA	C	3.2	Priority 3
1258	MT VERNON HWY	BATTERSEA LA	C	3.2	Priority 3
3683	LITTLE RIVER TPKE	MEDFORD DR	C	3.2	Priority 3
4311	CHAIN BRIDGE RD	INTERNATIONAL DR	C	3.2	Priority 3

5002	RESTON PKWY	LAKE NEWPORT RD	C	3.2	Priority 3
5058	SOUTH LAKES DR	SALT KETTLE WY	C	3.2	Priority 3
5209	SUNSET HILLS RD	OLD RESTON AVE	C	3.2	Priority 3
1164	MT VERNON MEMORIAL HWY	OLD MILL RD	C	3.2	Priority 3
2553	FAIR LAKES PKWY	FAIR LAKES CT	C	3.2	Priority 3
3089	OLD KEENE MILL RD	HUNTSMAN BLVD	C	3.2	Priority 3
4432	DOLLEY MADISON BLVD	KIRBY RD	C	3.2	Priority 3
3112	LEESBURG PIKE	CASTLE RD	C	3.2	Priority 3
4439	DOLLEY MADISON BLVD	GEORGETOWN PIKE	C	3.2	Priority 3
4178	LEESBURG PIKE	TYCO RD	C	3.2	Priority 3
3729	STRINGFELLOW RD	STREAM VALLEY DR	C	3.2	Priority 3
2230	COLUMBIA PIKE	MAPLEWOOD DR	C	3.2	Priority 3
1020	RICHMOND HWY	BUCKMAN RD	C	3.2	Priority 3
1053	RICHMOND HWY		C	3.2	Priority 3
1107	RICHMOND HWY		C	3.2	Priority 3
5079	TOWN CENTER PKWY	SUNSET HILLS RD	C	3.2	Priority 3
4039	BRADDOCK RD	ROANOKE LA	C	3.2	Priority 3
4180	LEESBURG PIKE	WOLFTRAP RUN RD	C	3.1	Priority 3
4425	DOLLEY MADISON BLVD	OUTLET RD	C	3.1	Priority 3
4436	CHAIN BRIDGE RD	RANLEIGH RD	C	3.1	Priority 3
4443	DOLLEY MADISON BLVD	WAVERLY WY	C	3.1	Priority 3
1030	RICHMOND HWY	SKY VIEW DR	C	3.1	Priority 3
1056	LITTLE RIVER TPKE	SOUTHLAND AVE	C	3.1	Priority 3
1058	LITTLE RIVER TPKE	MERRITT RD	C	3.1	Priority 3
1069	LITTLE RIVER TPKE		C	3.1	Priority 3
2371	LEE HWY	HOLLYWOOD RD	C	3.1	Priority 3
2377	LEE HWY	HILLTOP RD	C	3.1	Priority 3
2390	ARLINGTON BLVD	COVINGTON ST	C	3.1	Priority 3
2552	FAIR LAKES PKWY	OAK CREEK LA	C	3.1	Priority 3
3019	LEESBURG PIKE	RIO DR	C	3.1	Priority 3
3020	LEESBURG PIKE	NEVIUS RD	C	3.1	Priority 3
3021	LEESBURG PIKE	GLENMORE DR	C	3.1	Priority 3
3711	LEE JACKSON MEMORIAL HWY	WAPLES MILL RD	C	3.1	Priority 3
4168	LEESBURG PIKE	WESTPARK DR	C	3.1	Priority 3

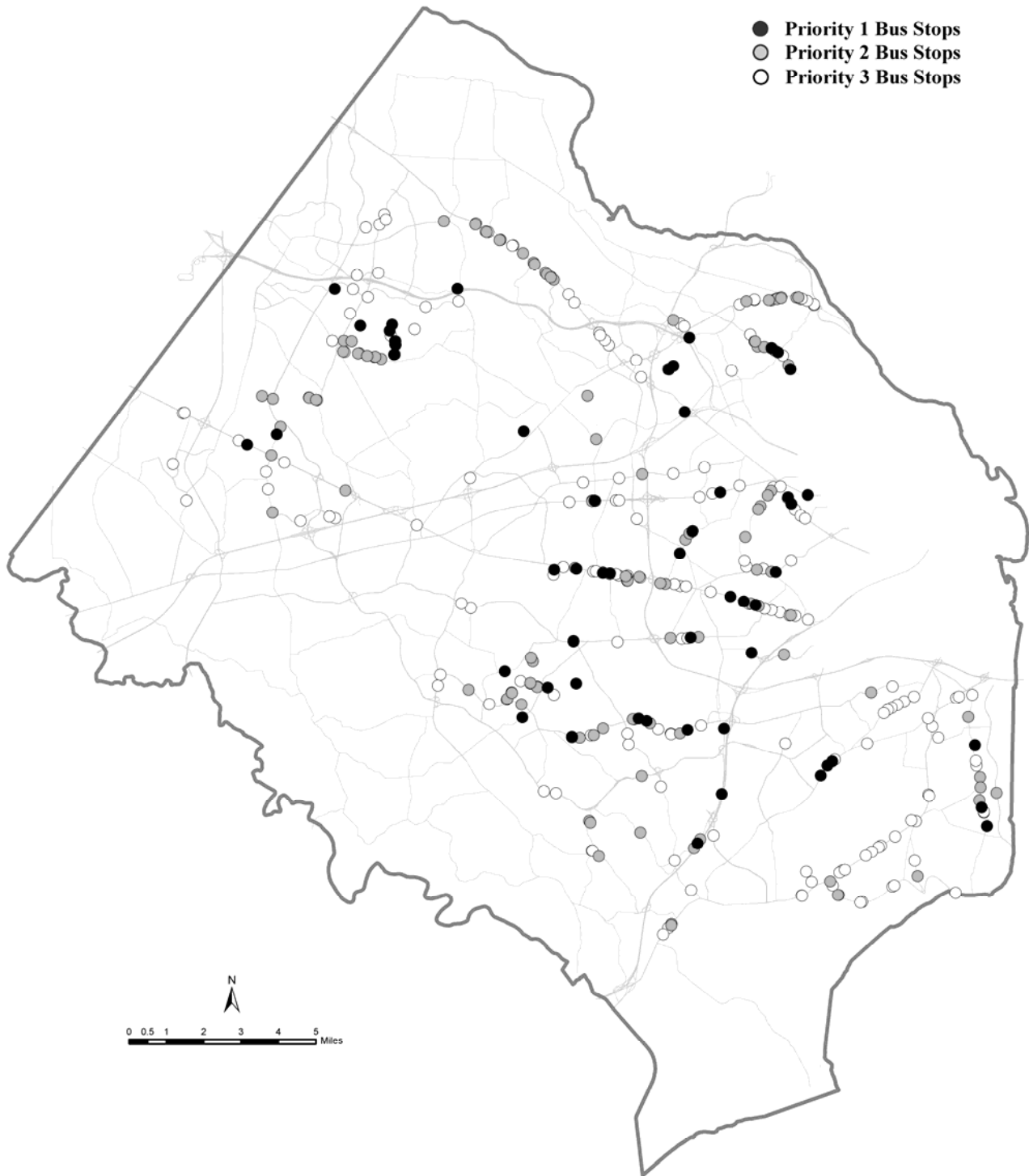
5136	SOAPSTONE DR	UNDEROAK CT	C	3.1	Priority 3
1002	RICHMOND HWY		C	3.1	Priority 3
1558	COFFER WOODS RD	HILLOCK CT	C	3.1	Priority 3
2258	SLEEPY HOLLOW RD		C	3.1	Priority 3
1156	MT VERNON MEMORIAL HWY	GRIST MILL WOODS WY	C	3.1	Priority 3
1612	OX RD	OAKLAND PARK DR	C	3.1	Priority 3
1759	ROLLING RD	HOOES RD	C	3.1	Priority 3
1882	SUNRISE VALLEY DR	COLTS NECK RD	C	3.1	Priority 3
2396	ARLINGTON BLVD	JAVIER RD	C	3.1	Priority 3
1167	G. WASHINGTON MEMORIAL PKWY	RIVERSIDE PA	C	3.1	Priority 3
4092	LITTLE RIVER TPKE	DUNCAN DR	C	3.1	Priority 3
1026	RICHMOND HWY	BUCKMAN RD	C	3.1	Priority 3
1076	RICHMOND HWY	COOPER RD	C	3.1	Priority 3
2402	ARLINGTON BLVD	GRAHAM RD	C	3.1	Priority 3
4038	BRADDOCK RD	SIDEBURN RD	C	3.1	Priority 3
4169	LEESBURG PIKE	SPRING HILL RD	C	3.1	Priority 3
1296	ROLLING RD	BARNACK DR	C	3.0	Priority 3
2013	TELEGRAPH RD	PIKE RD	C	3.0	Priority 3
2014	TELEGRAPH RD	HILLVIEW AVE	C	3.0	Priority 3
2015	TELEGRAPH RD	SANDLIN ST	C	3.0	Priority 3
2016	TELEGRAPH RD	VIRGINIA HILLS AVE	C	3.0	Priority 3
2017	TELEGRAPH RD	OLD TELEGRAPH RD	C	3.0	Priority 3
2091	SOUTH KINGS HWY	LANTERN PL	C	3.0	Priority 3
2125	WOODLAWN RD	LAMPERT RD	C	3.0	Priority 3
2257	SLEEPY HOLLOW RD	BENT BRANCH RD	C	3.0	Priority 3
2445	GALLOWS RD	WOODBURN RD	C	3.0	Priority 3
5018	BENNINGTON WOODS RD	MOSS POINT LA	C	3.0	Priority 3
5161	FOX MILL RD	JOHN MILTON DR	C	3.0	Priority 3
5667	FRANKLIN FARM RD		C	3.0	Priority 3
1273	FAIRFAX COUNTY PKWY	HUNTSMAN BLVD	C	3.0	Priority 3
2303	ANNANDALE RD	ARLINGTON BLVD	C	3.0	Priority 3
4201	LEESBURG PIKE	LEWINSVILLE RD	C	3.0	Priority 3

Priority bus stops were also organized by signage/ownership to determine how many priority stops are Washington Metropolitan Area Transit Authority (WMATA) stops, how many are Fairfax Connector stops, and how many are Dual Flag (both WMATA and Fairfax Connector) stops. The table below summarizes the results.

<b>Priority Bus Stop Signage/Ownership</b>				
<b>Priority Level</b>	<b>WMATA</b>	<b>Fairfax Connector</b>	<b>Dual Flag</b>	<b>TOTAL</b>
Priority 1	32	21	7	<b>60</b>
Priority 2	50	45	19	<b>114</b>
Priority 3	73	57	40	<b>170</b>
<b>TOTAL</b>	<b>155</b>	<b>123</b>	<b>66</b>	<b>344</b>

The 344 priority stops are comprised of 45% WMATA stops, 36% Fairfax Connector stops, and 19% dually-flagged stops.

## Fairfax County Priority Bus Stops



### **Improvement Plan**

The purpose of the Improvement Plan is to provide an overview of the process and timeline to improve the County's high priority stops. This section will aid the County in developing a task list for improvements.

The improvement process must balance the highest priority needs with efficient construction practices. The most direct way to improve the highest priority stops would be to procure contracts to fix the 344 Priority stops. This would result in a very inefficient effort. For example, while improving a Priority 1 bus stop, a nearby non-Priority 1 stop with similar requirements could be bypassed. The most effective process is to focus on both priority and construction efficiency considerations.

The following assumptions balance these two elements:

- ★ Construction mobilization on small projects is a very large cost item. Materials should be procured and crews assembled to perform substantial work.
- ★ Work on multiple stops in the same area as part of a contract item improves efficiency for the contractor.
- ★ Work on identical items as part of the same contract also improves efficiency for the contractor. For example, sidewalk improvements, guardrail and pad construction can be done in a repetitive and efficient manner.
- ★ Some stops should be improved, despite not being in close proximity to other bus stops needing improvement.

It may also be cost-effective to target other minor improvements not included in the Priority stop list.

### **Task List for Construction:**

1. Data Collection along route. Determine location of utilities and drainage structures. Obtain mapping and location of right-of-way all along the roadway.
2. Finalize Improvements for Priority Corridor. Using more detailed survey, confirm or modify improvements recommended by this Study.
3. Prepare specifications packet for Bus Stops. The packet will be in sufficient detail that the contractors' efforts will result in fully-compliant bus stops.
4. Prepare designs for signal and pedestrian signals. This work is very different and should be procured and managed separately.
5. Procure contractors.
6. Inspection of construction process.