

WEST CAMPUS CONNECTOR
Owner's Project Schedule

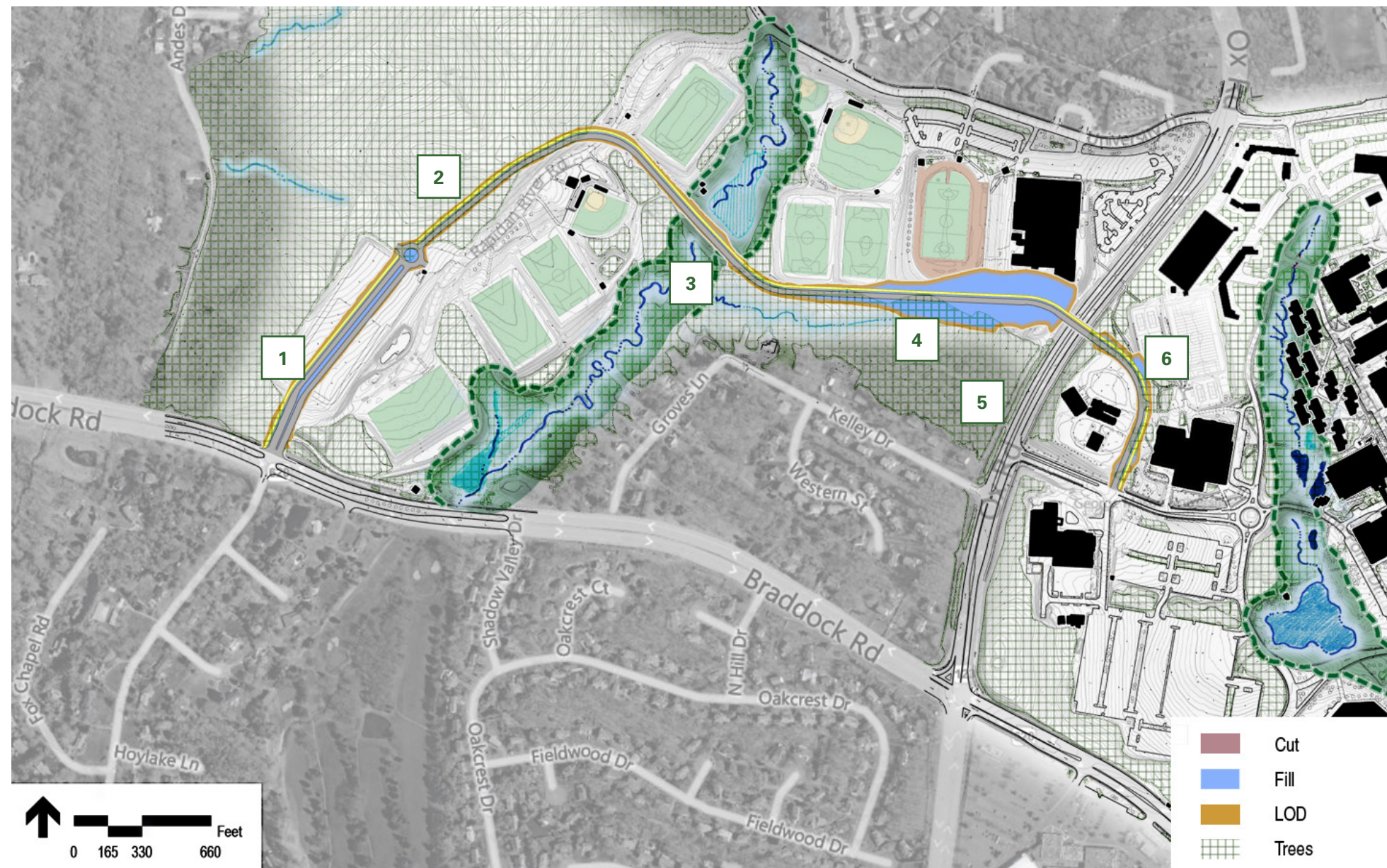
ID	Task Name	Resource Names	Duration	Start	Finish	2011												2012				2013				2014				2015					
						1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		1st Quarter					
						Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
1	PROJECT AUTHORIZATION		126 days	Tue 2/1/11	Tue 7/26/11	PROJECT AUTHORIZATION																													
2	Project Idea/Concept Presented	Any	1 day	Tue 2/1/11	Tue 2/1/11	Any Project Idea/Concept Presented																													
3	Sr. Mngmt Approval to Conduct Feasibility Study	EC	5 days	Wed 2/2/11	Tue 2/8/11	EC Sr. Mngmt Approval to Conduct Feasibility Study																													
4	Conduct Feasibility Study (vs. Master Plan/Site Issues/Sp Planning/Budget/Etc)	Panel TBD	20 days	Wed 2/9/11	Tue 3/8/11	Panel TBD Conduct Feasibility Study (vs. Master Plan/Site Issues/Sp Planning/Budget/Etc)																													
5	Finalize Feasibility Study & Obtain Sr. Mngmt Approval	Planner	10 days	Wed 3/9/11	Tue 3/22/11	Planner Finalize Feasibility Study & Obtain Sr. Mngmt Approval																													
6	Macro Space Planning/Project Programming	Planner	15 days	Wed 3/23/11	Tue 4/12/11	Planner Macro Space Planning/Project Programming																													
7	Prepare Project Budget and Submit Funding Request to State (H-Forms)	PM	15 days	Wed 4/13/11	Tue 5/3/11	PM Prepare Project Budget and Submit Funding Request to State (H-Forms)																													
8	State Authorization	State	60 days	Wed 5/4/11	Tue 7/26/11	State State Authorization																													
9	DESIGN BUILD RFP DEVELOPMENT		205 days	Wed 5/4/11	Tue 2/14/12	DESIGN BUILD RFP DEVELOPMENT																													
10	Contract with VHB	PM	30 days	Wed 5/4/11	Tue 6/14/11	PM Contract with VHB																													
11	Determine Alignment and Constraints (Collaborative with the City and County of Fairfax)	A/E - VHB	90 days	Wed 6/15/11	Tue 10/18/11	A/E - VHB Determine Alignment and Constraints (Collaborative with the City and County of Fairfax)																													
12	Coordinate with VDOT to get Funding Authorization	Planner	50 days	Wed 7/27/11	Tue 10/4/11	Planner Coordinate with VDOT to get Funding Authorization																													
13	Execute MOA/PAA with VDOT	PM/Planner	30 days	Wed 10/5/11	Tue 11/15/11	PM/Planner Execute MOA/PAA with VDOT																													
14	Draft RFQ	Planner	15 days	Wed 10/5/11	Tue 10/25/11	Planner Draft RFQ																													
15	Issue RFQ	Planner	0 days	Tue 10/25/11	Tue 10/25/11	Planner Issue RFQ																													
16	RFQ On the Street	Planner	20 days	Wed 10/26/11	Tue 11/22/11	Planner RFQ On the Street																													
17	Review Quas	Planner	15 days	Wed 11/23/11	Tue 12/13/11	Planner Review Quas																													
18	Short List Selected	Planner	0 days	Tue 12/13/11	Tue 12/13/11	Planner Short List Selected																													
19	Notify Shortlisted Firms	Planner	5 days	Wed 12/14/11	Tue 12/20/11	Planner Notify Shortlisted Firms																													
20	Develop Draft RFP	A/E - VHB	45 days	Wed 10/19/11	Tue 12/20/11	A/E - VHB Develop Draft RFP																													
21	Mason Holiday Break		10 days	Wed 12/21/11	Tue 1/3/12	Mason Holiday Break																													
22	Review Draft RFP	Panel TBD	10 days	Wed 1/4/12	Tue 1/17/12	Panel TBD Review Draft RFP																													
23	Revise RFP	A/E - VHB	10 days	Wed 1/18/12	Tue 1/31/12	A/E - VHB Revise RFP																													
24	Prep RFP for Issue	A/E - VHB	10 days	Wed 2/1/12	Tue 2/14/12	A/E - VHB Prep RFP for Issue																													
25	D-B PROCUREMENT		120 days	Tue 2/14/12	Tue 7/31/12	D-B PROCUREMENT																													
26	Issue RFP	PM	0 days	Tue 2/14/12	Tue 2/14/12	PM Issue RFP																													
27	Initial RFP Review - Proposal Conference	PM	15 days	Wed 2/15/12	Tue 3/6/12	PM Initial RFP Review - Proposal Conference																													
28	RFP Response Development	DB Contr.	30 days	Wed 3/7/12	Tue 4/17/12	DB Contr. RFP Response Development																													
29	Review Responses	Panel TBD	30 days	Wed 4/18/12	Tue 5/29/12	Panel TBD Review Responses																													
30	D-B Interviews & Final Selection	Univ A	10 days	Wed 5/30/12	Tue 6/12/12	Univ A D-B Interviews & Final Selection																													
31	D-B Contractor Selected		0 days	Tue 6/12/12	Tue 6/12/12	D-B Contractor Selected																													
32	D-B Contract Negotiation and Develop Contract Documents	PM	25 days	Wed 6/13/12	Tue 7/17/12	PM D-B Contract Negotiation and Develop Contract Documents																													
33	Issue D-B Contract/Signature Execution	Univ A & PM	10 days	Wed 7/18/12	Tue 7/31/12	Univ A & PM Issue D-B Contract/Signature Execution																													
34	D-B Firm Under Contract		0 days	Tue 7/31/12	Tue 7/31/12	D-B Firm Under Contract																													
35	DESIGN		320 days	Wed 11/16/11	Tue 2/5/13	DESIGN																													
36	Obtain Geotechnical Report & Site Surveys	M & A/E - VHB	15 days	Wed 11/16/11	Tue 12/6/11	M & A/E - VHB Obtain Geotechnical Report & Site Surveys																													
37	Schematic Design	DB Contr. - A/E	30 days	Wed 3/7/12	Tue 4/17/12	DB Contr. - A/E Schematic Design																													
38	Schematic Design - Review/Approval - Local?	VDOT	15 days	Wed 7/18/12	Tue 8/7/12	VDOT Schematic Design - Review/Approval - Local?																													
39	Preliminary Design	DB Contr. - A/E	40 days	Wed 8/8/12	Tue 10/2/12	DB Contr. - A/E Preliminary Design																													
40	AARB Review/Approval	AARB	10 days	Wed 8/8/12	Tue 8/21/12	AARB AARB Review/Approval																													
41	Preliminary Design - Review/Approval - Local?	VDOT	20 days	Wed 10/3/12	Tue 10/30/12	VDOT Preliminary Design - Review/Approval - Local?																													
42	Working Drawings	DB Contr. - A/E	40 days	Wed 10/31/12	Tue 12/25/12	DB Contr. - A/E Working Drawings																													
43	Working Drawings - Review/Approval - Local?	VDOT	20 days	Wed 12/26/12	Tue 1/22/13	VDOT Working Drawings - Review/Approval - Local?																													
44	Finalize Bid Documents	DB Contr. - A/E	10 days	Wed 1/23/13	Tue 2/5/13	DB Contr. - A/E Finalize Bid Documents																													
45	CONSTRUCTION PROCURMENT		131 days	Wed 8/8/12	Wed 2/6/13	CONSTRUCTION PROCURMENT																													
46	Possible Early Site Package Procurement	DB Contr.	40 days	Wed 8/8/12	Tue 10/2/12	DB Contr. Possible Early Site Package Procurement																													
47	Sub-Contractor Bid Period	DB Contr.	30 days	Wed 10/31/12	Tue 12/11/12	DB Contr. Sub-Contractor Bid Period																													
48	Issue Contracts to Subs	DB Contr.	5 days	Wed 12/12/12	Tue 12/18/12	DB Contr. Issue Contracts to Subs																													
49	Receive Bonds, Insurances, Executed Contract	DB Contr.	15 days	Wed 12/19/12	Tue 1/8/13	DB Contr. Receive Bonds, Insurances, Executed Contract																													
50	Notice to Proceed Date	PM	1 day	Wed 2/6/13	Wed 2/6/13	PM Notice to Proceed Date																													
51	CONSTRUCTION		271 days	Tue 10/30/12	Wed 11/13/13	CONSTRUCTION																													
52	Possible Early Break Ground	DB Contr.	0 days	Tue 10/30/12	Tue 10/30/12	DB Contr. Possible Early Break Ground																													
53	Early Utility and Site Work (time could come off of next task)	DB Contr.	60 days	Wed 10/31/12	Tue 1/22/13	DB Contr. Early Utility and Site Work (time could come off of next task)																													
54	Break Ground		0 days	Wed 2/6/13	Wed 2/6/13	Break Ground																													
55	Project Construction - Substantial Completion	DB Contr.	180 days	Thu 2/7/13	Wed 10/16/13	DB Contr. Project Construction - Substantial Completion																													
56	Substantial Completion		0 days	Wed 10/16/13	Wed 10/16/13	Substantial Completion																													
57	Project Construction - Final Completion (including Commissioning)	DB Contr.	20 days	Thu 10/17/13	Wed 11/13/13	DB Contr. Project Construction - Final Completion (including Commissioning)																													
58	Final Completion		0 days	Wed 11/13/13	Wed 11/13/13	Final Completion																													
59	OWNER DIRECT VENDORS		40 days	Thu 10/17/13	Wed 12/11/13	OWNER DIRECT VENDORS																													
60	Parking and Signage Contractors	PM	40 days	Thu 10/17/13	Wed 12/11/13	PM Parking and Signage Contractors																													
61	Landscape and Grounds	PM	40 days	Thu 10/17/13	Wed 12/11/13	PM Landscape and Grounds																													
62	PROJECT COMPLETION		1 day	Thu 12/12/13	Thu 12/12/13	PROJECT COMPLETION																													
63	Open for Business		1 day	Thu 12/12/13	Thu 12/12/13	Open for Business																													

Project: 20111012a West Campus Co
Date: Wed 10/12/11

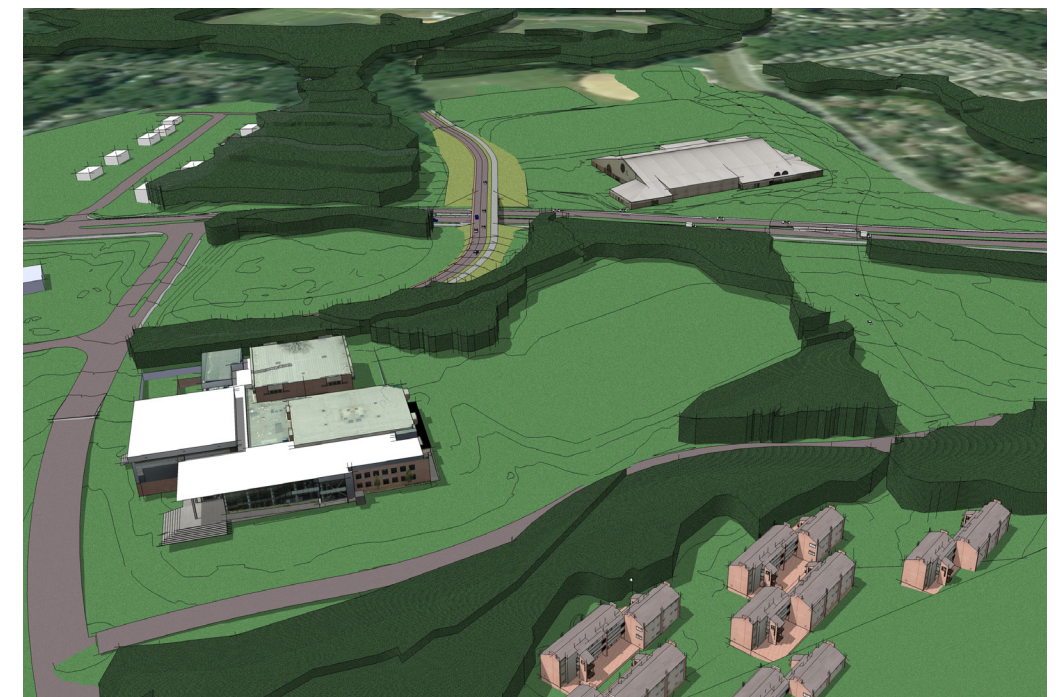
Task Progress Summary External Tasks Deadline Critical Task

Split Milestone Project Summary External Milestone

Alignment 3: *Overpass*



Alignment 3 (Over) for the West Campus Connector (WCC) connects to the existing curb cut at the intersection of Braddock Road and Prestwick Drive. It continues through the existing West Campus parking lot and to the West of the existing Rapidan Drive. The proposed WCC then turns to cross the Resource Protection Area at the existing maintenance crossing and continues along the south end of the existing athletic fields and Mason Field House. The WCC crosses over Route 123 and turns south along the west face of the existing Recreation and Athletic Complex to join with Mason Pond Drive across from the access for the Mason Inn.



Bird's eye view looking west.



Ground view looking north on Route 123 from Mason Pond Drive.

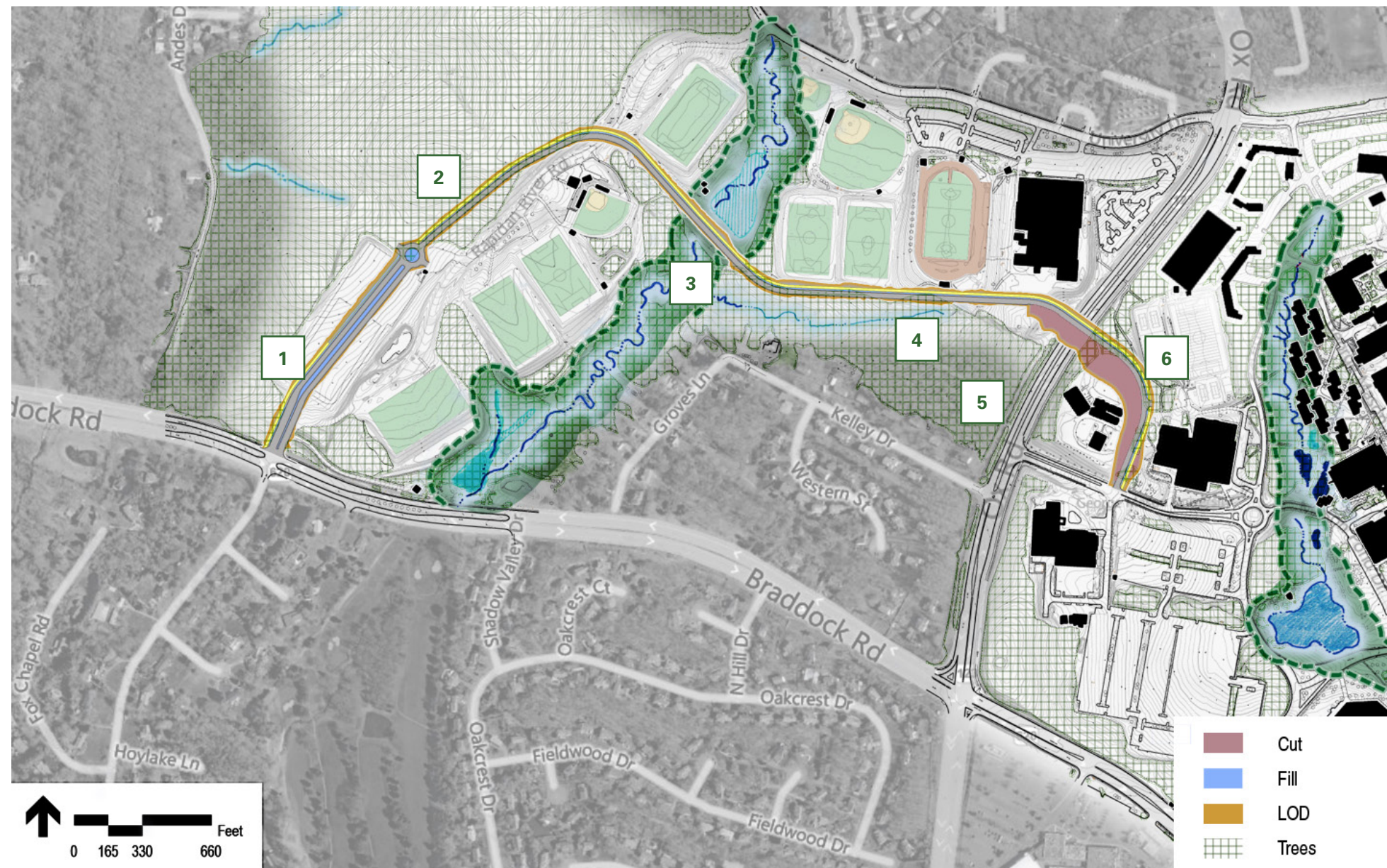
Alternatives Issues
1. Impact to West Campus Parking Lot. Four Lane Section to back of West Campus Lot.
2. Alignment to the west of existing Rapidan River Lane, some impact to tree cover.
3. Reconstruction of existing dam to accommodate new road.
4. Significant fill section to accommodate the bridge.
5. 245–520 feet between the WCC and Kelly Drive property lines. Some impact to tree cover.
6. Potential connection to Mason Pond Drive – alternative to Patriot Circle is possible

Traffic Diversions
427 Mason
30 Regional
457 Total
100 Additional Diversion with Link

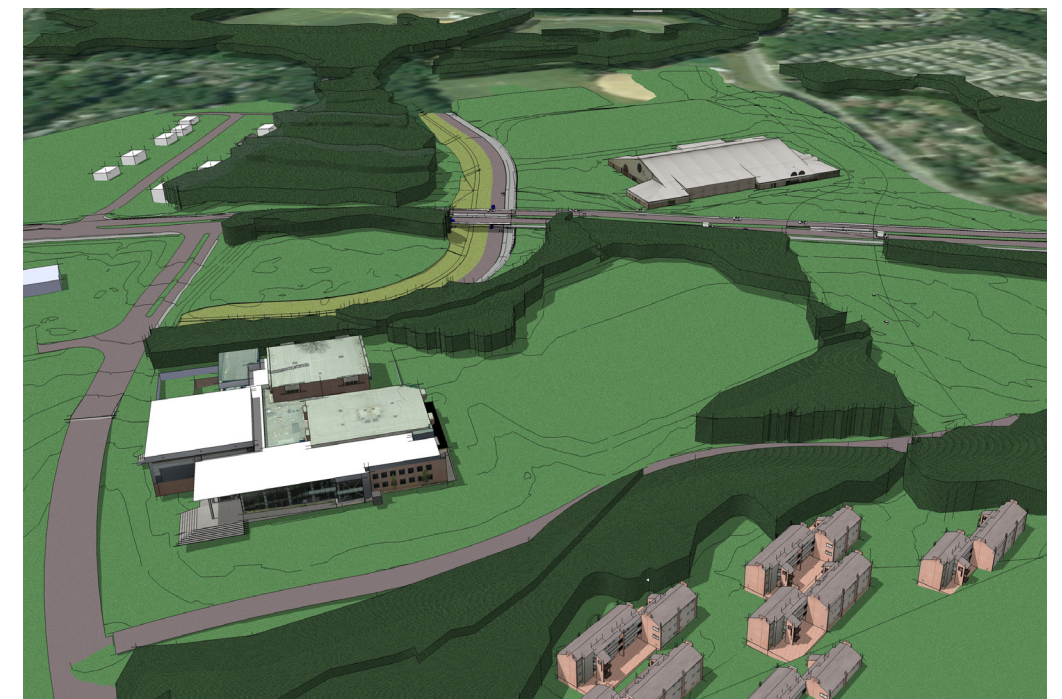
Cost Analysis
\$13,900,000 Base
\$800,000 Facility Replacement
\$100,000 Other Mitigation
\$14,800,000 Total
\$1,800,000 Route 123 Link Cost

Evaluation Criteria
+ Tree Cover
0 RPA Impacts
0 Diversion
0 Diversion w/ Link
0 Proximity
0 Soils
0 Land Use
0 Watersheds
+ Visual
+ Noise
++ Field Impacts
-- Parking Impacts
+ Construction

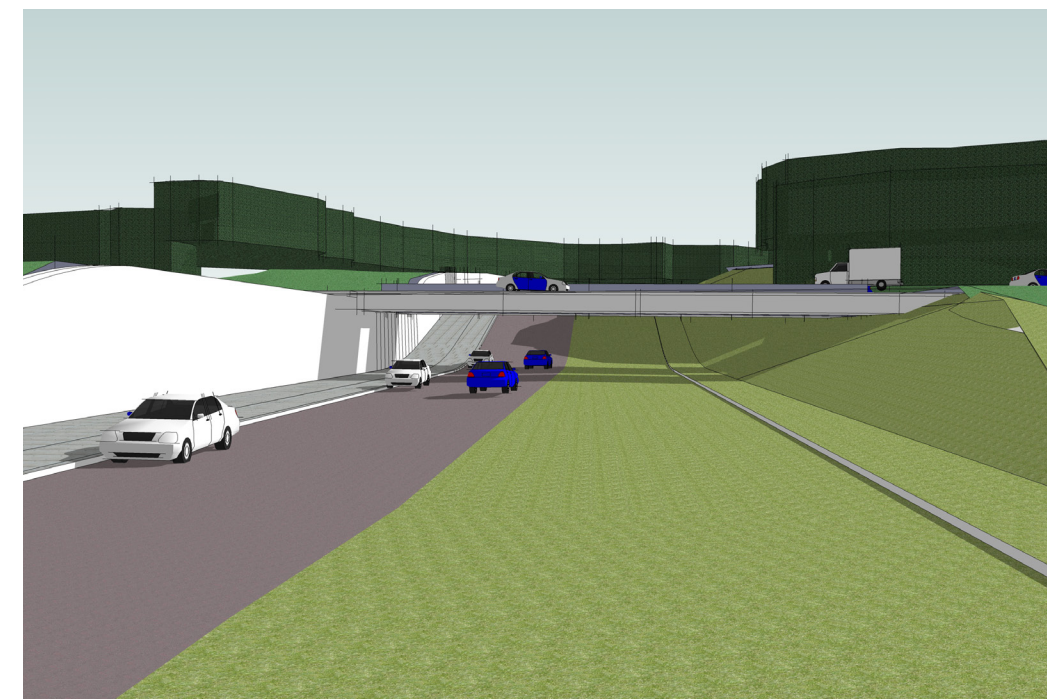
Alignment 3: *Underpass*



Alignment 3 (Under) for the West Campus Connector (WCC) connects to the existing curb cut at the intersection of Braddock Road and Prestwick Drive. It continues through the existing West Campus parking lot and to the west of the existing Rapidan Drive. The proposed WCC then turns to cross the resource protection area at the existing maintenance crossing and continues along the south end of the existing athletic fields and Mason field house. The WCC crosses under Route 123 and turns south along the west face of the existing Recreation and Athletic Complex to join with Mason Pond Drive across from the access for the Mason Inn.



Bird's eye view looking west.



Ground view looking east along the WCC.

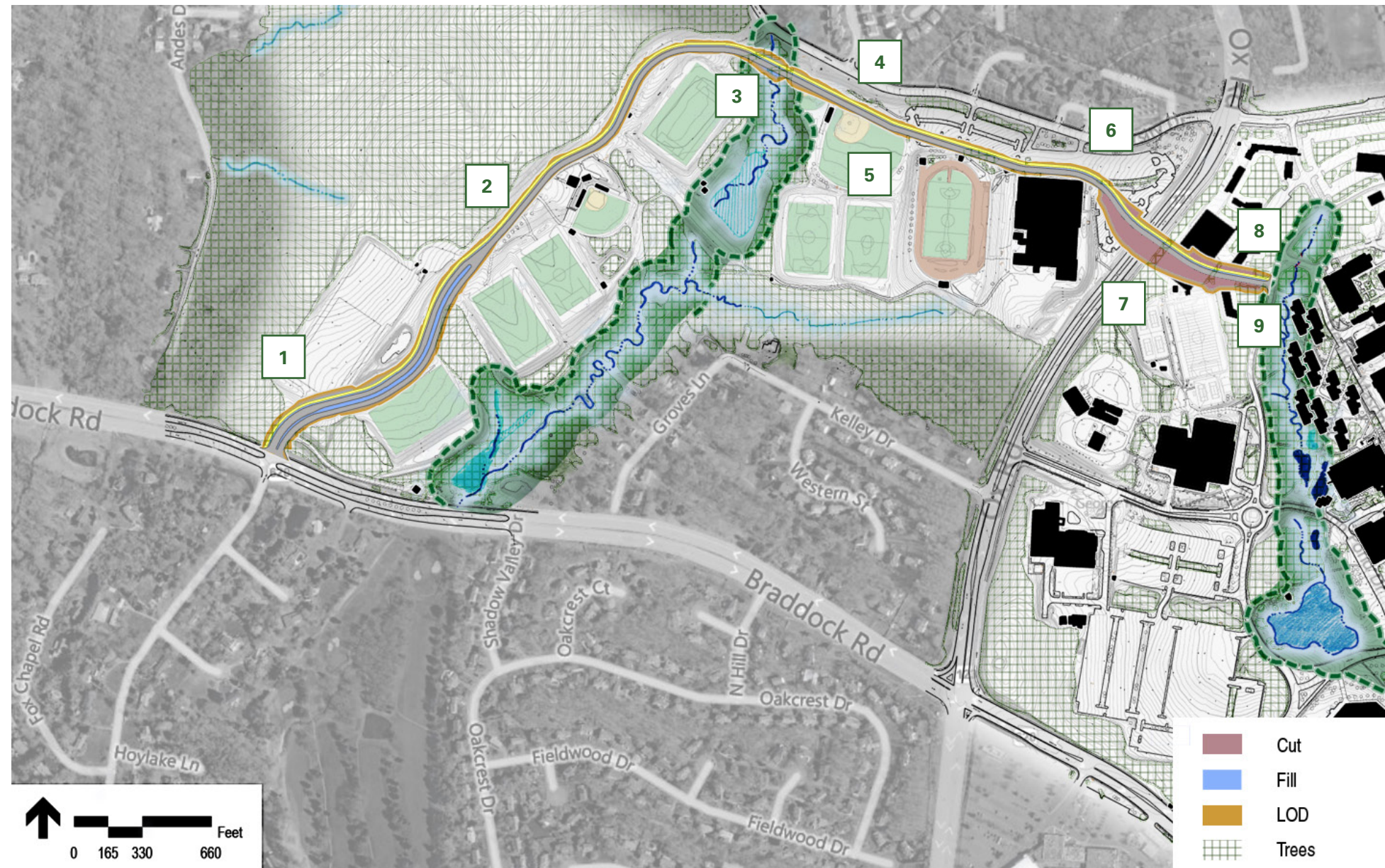
Alternatives Issues
1. Impact to West Campus Parking Lot. Four Lane Section to back of West Campus Lot.
2. Alignment to the west of existing Rapidan River Lane, some impact to tree cover.
3. Reconstruction of existing dam to accommodate new road.
4. Cut section to accommodate the underpass.
5. 260–710 feet between the WCC and Kelly Drive property lines. Some impact to tree cover.
6. Potential connection to Mason Pond Drive – alternative to Patriot Circle is possible.

Traffic Diversions
427 Mason
30 Regional
457 Total
100 Additional Diversion with Link

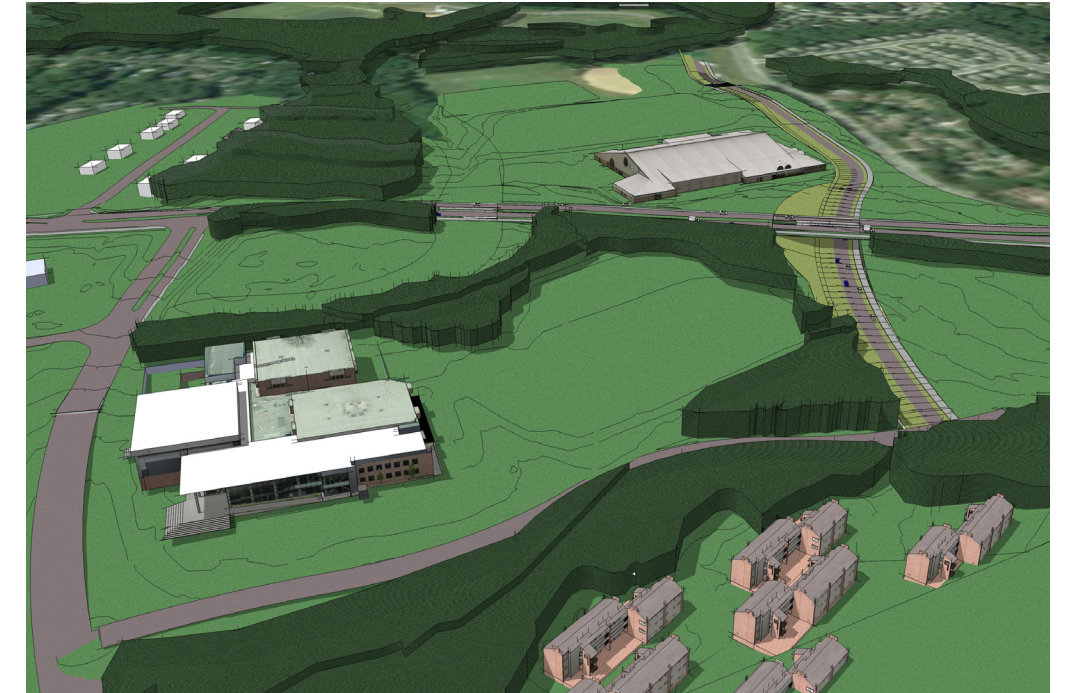
Cost Analysis
\$14,200,000 Base
\$800,000 Facility Replacement
\$100,000 Other Mitigation
\$15,100,000 Total
\$600,000 Route 123 Link Cost

Evaluation Criteria
+ Tree Cover
0 RPA Impacts
0 Diversion
0 Diversion w/ Link
+ Proximity
0 Soils
0 Land Use
0 Watersheds
++ Visual
+ Noise
++ Field Impacts
-- Parking Impacts
+ Construction

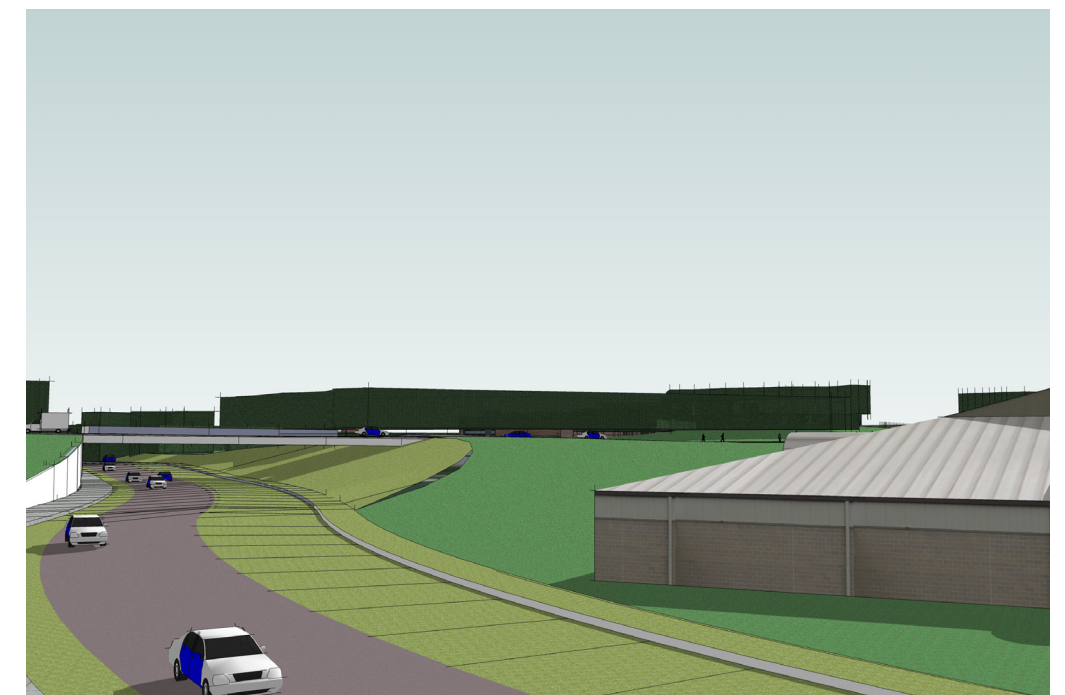
Alignment 4: *Underpass*



Alignment 4 for the West Campus Connector (WCC) connects to the existing curb cut at the intersection of Braddock Road and Prestwick Drive. It travels along the southeastern edge of the West Campus parking lot and follows the existing Rapidan Drive to the north. The WCC turns east at the northern most athletic field and crosses the existing resource protection area (RPA). The WCC then continues east through to the baseball stadium and passes through the existing parking lot for the Mason field house. It then crosses under Route 123 and passes the existing Recreation and Athletic Complex stadium field to the north prior to connecting to Patriot Circle.



Bird's eye view looking west.



Ground view looking east along the WCC at the field house.

Alternatives Issues

1. Some impact to West Campus Lot.
2. Follows Rapidan River Lane alignment.
3. New bridge crossing of RPA.
4. 170–270 feet between University Drive and the WCC.
5. Impact to Baseball Stadium.
6. Impact to Field House Parking.
7. Cut section for Underpass.
8. Impact to Housing VIII B site.
9. Connection to Patriot Circle.

Traffic Diversions

327	Mason
155	Regional
482	Total
265	Additional Diversion with Link

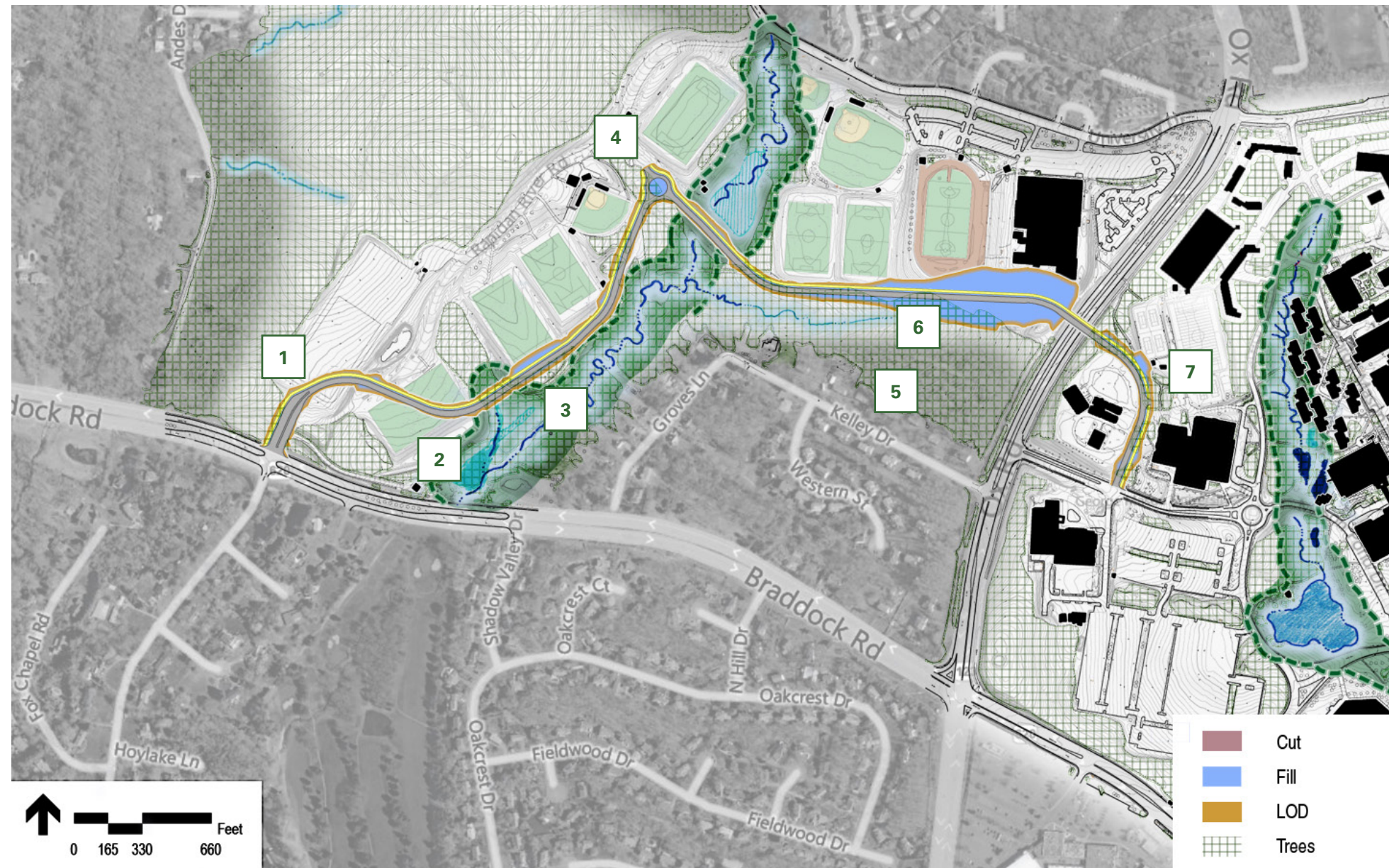
Cost Analysis

\$14,000,000	Base
\$900,000	Facility Replacement
\$100,000	Other Mitigation
\$15,000,000	Total
\$600,000	Route 123 Link Cost

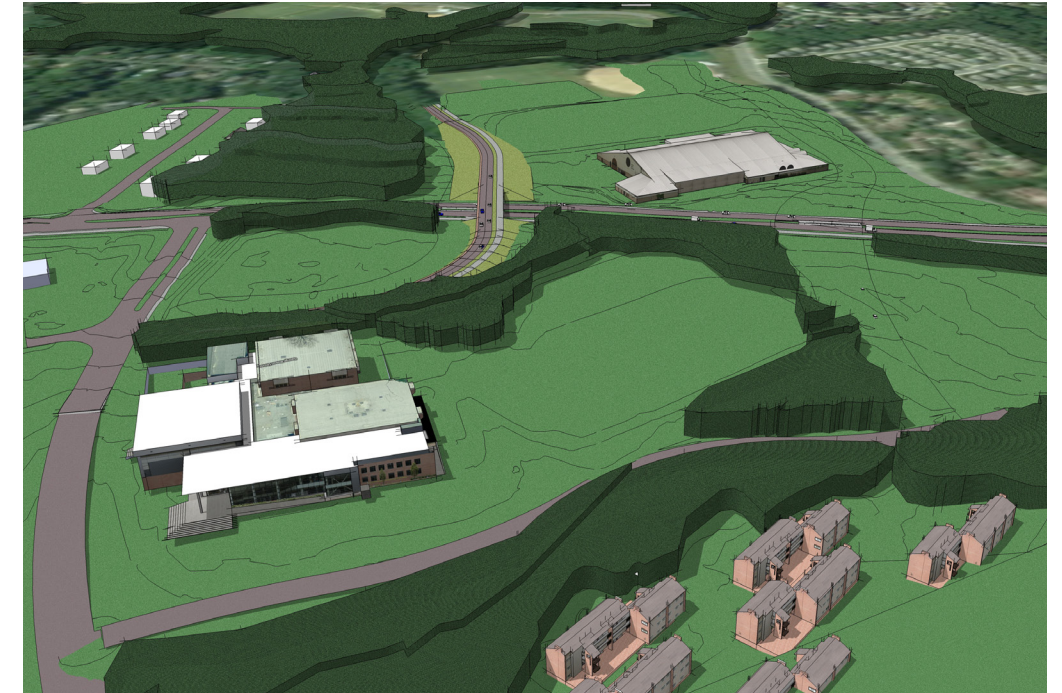
Evaluation Criteria

- ++ Tree Cover
- RPA Impacts
- + Diversion
- ++ Diversion w/ Link
- 0 Proximity
- 0 Soils
- 0 Land Use
- 0 Watersheds
- + Visual
- Noise
- ++ Field Impacts
- Parking Impacts
- + Construction

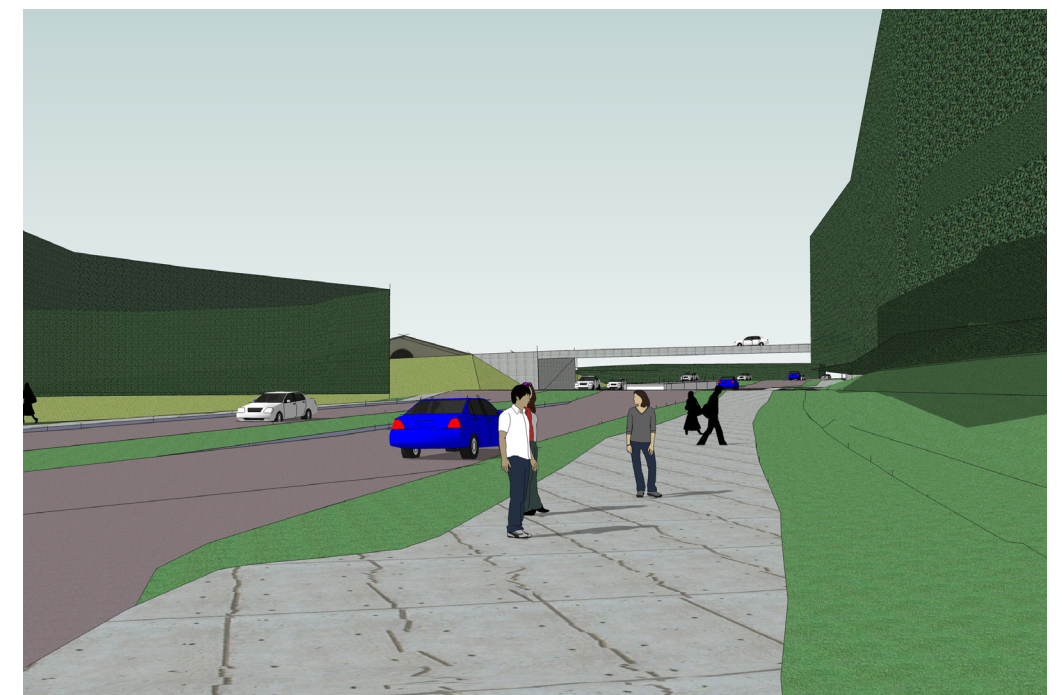
Alignment 9: *Overpass*



Alignment 9 (Over) for the West Campus Connector (WCC) connects to the existing curb cut at the intersection of Braddock Road and Prestwick Drive. It turns to the east and travels through Field 5 and adjacent to the existing resource protection area (RPA). It continues north along the RPA at the eastern end of the athletic fields and turns to the east to cross the RPA at the existing maintenance crossing. The WCC then continues along the south end of the existing athletic fields and Mason Field House. The WCC crosses over Route 123 and turns south along the west face of the existing Recreation and Athletic Complex to join with Mason Pond Drive across from the access for the Mason Inn.



Bird's eye view looking west.



Ground view looking north on Route 123 from Mason Pond Drive.

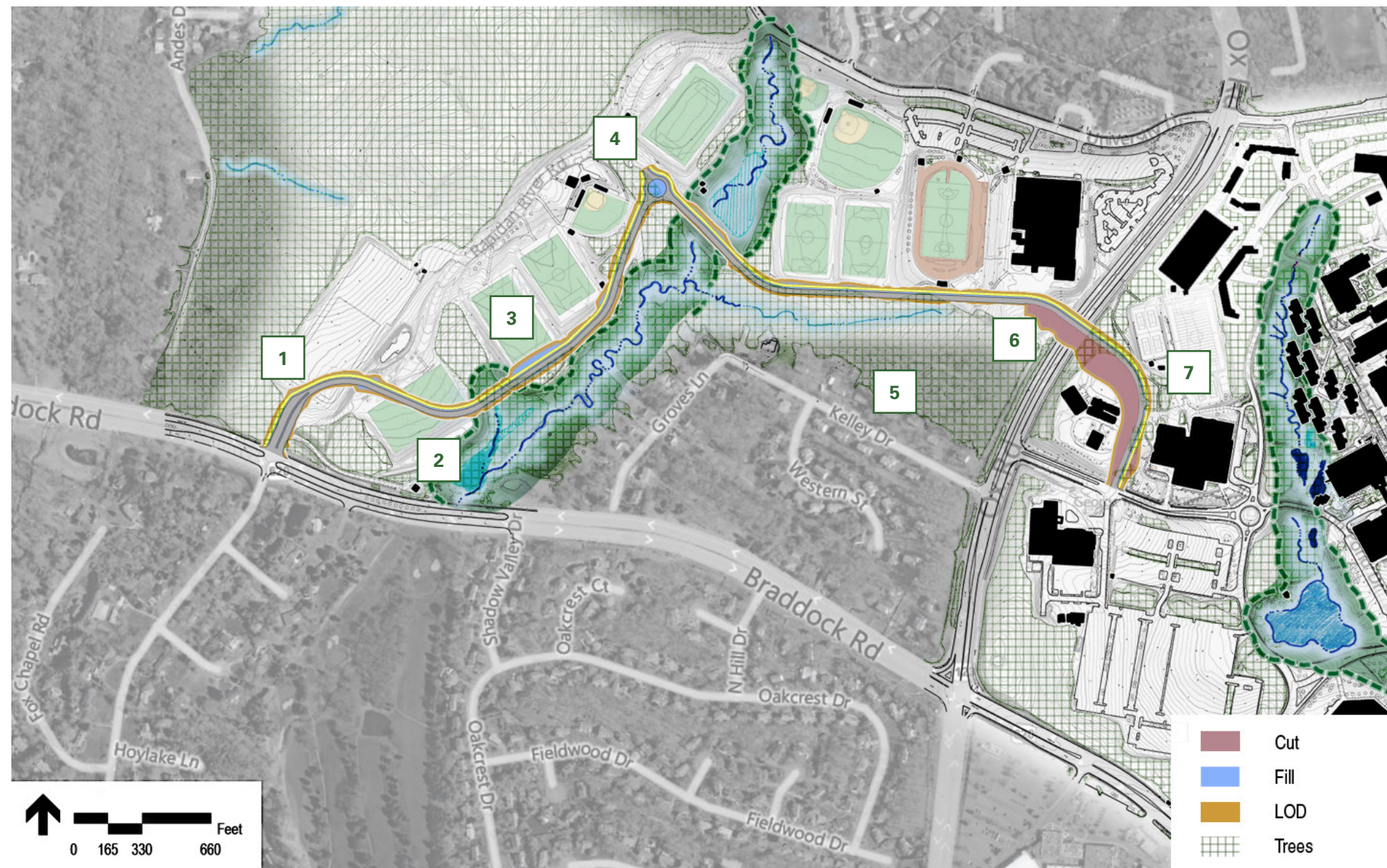
Alternatives Issues
1. Some impact to West Campus Lot. Four lane section to West Campus Lot entrance.
2. Impact to athletic field.
3. Impact to RPA and stormwater management along fields. 170–255 feet between the WCC and the Groves Lane property lines.
4. Potential roundabout.
5. 245–250 feet between the WCC and the Kelley Drive property lines. Some impact to tree cover.
6. Significant fill section to accommodate bridge.
7. Potential connection to Mason Pond Drive – alternative to Patriot Circle is possible.

Traffic Diversions
427 Mason
30 Regional
457 Total
100 Additional Diversion with Link

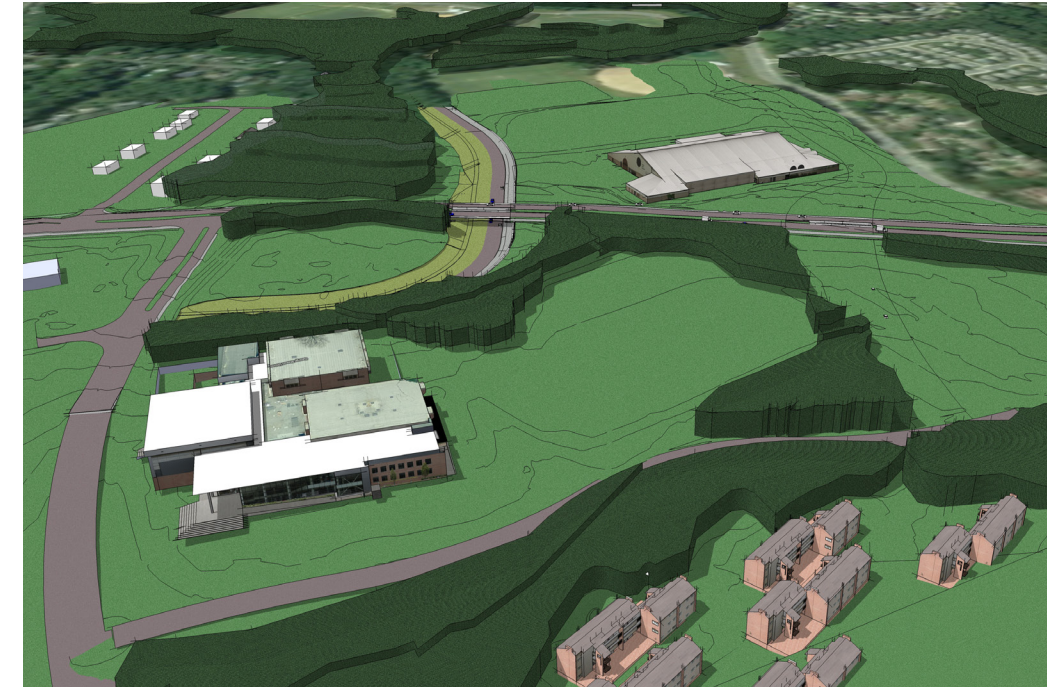
Cost Analysis
\$15,900,000 Base
\$3,200,000 Facility Replacement
\$200,000 Other Mitigation
\$19,300,000 Total
\$1,800,000 Route 123 Link Cost

Evaluation Criteria
0 Tree Cover
- RPA Impacts
0 Diversion
0 Diversion w/ Link
-- Proximity
0 Soils
++ Land Use
0 Watersheds
0 Visual
+ Noise
-- Field Impacts
++ Parking Impacts
-- Construction

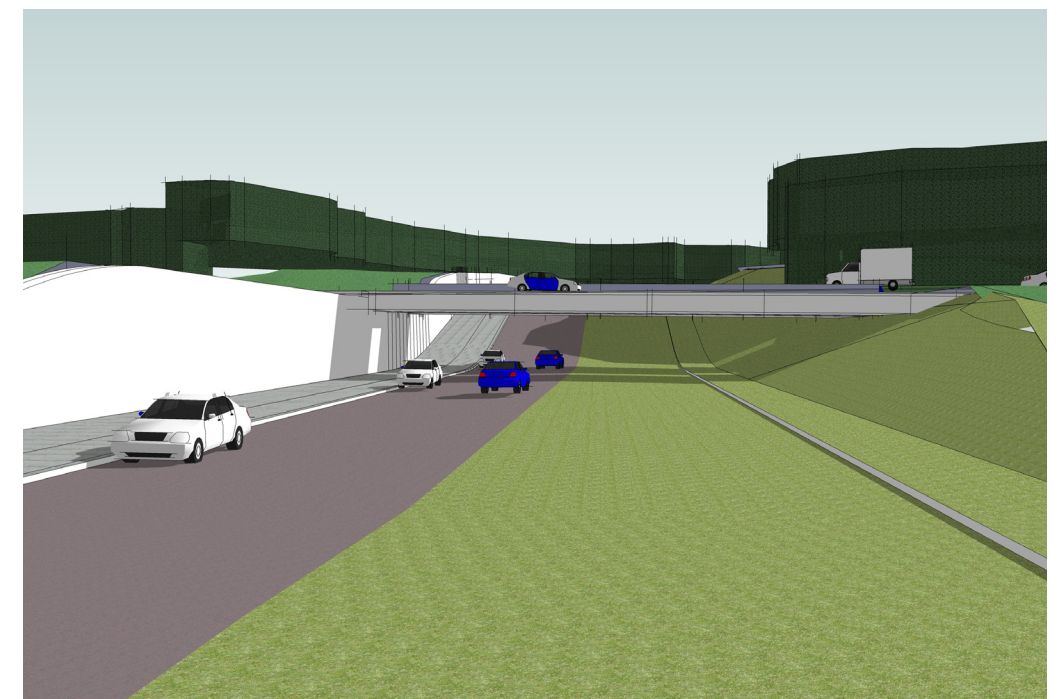
Alignment 9: *Underpass*



Alignment 9 (Under) for the West Campus Connector (WCC) connects to the existing curb cut at the intersection of Braddock Road and Prestwick Drive. It turns to the east and travels through Field 5 and adjacent to the existing resource protection area (RPA). It continues north along the RPA at the eastern end of the athletic fields and turns to the east to cross the RPA at the existing maintenance crossing. The WCC then continues along the south end of the existing athletic fields and Mason Field House. The WCC crosses under Route 123 and turns south along the west face of the existing Recreation and Athletic Complex to join with Mason Pond Drive across from the access for the Mason Inn.



Bird's eye view looking along west.



Ground view looking east along the WCC.

Alternatives Issues
1. Some impact to West Campus Lot. Four lane section to West Campus Lot entrance.
2. Impact to athletic field.
3. Impact to RPA and stormwater management along fields. 170–255 feet between the WCC and the Groves Lane property lines.
4. Potential roundabout.
5. 260–710 feet between the WCC and the Kelley Drive property lines. Some impact to tree cover.
6. Minor cut section or underpass scenario.
7. Potential connection to Mason Pond Drive – alternative to Patriot Circle is possible.

Traffic Diversions
427 Mason
30 Regional
457 Total
100 Additional Diversion with Link

Cost Analysis
\$16,200,000 Base
\$3,200,000 Facility Replacement
\$200,000 Other Mitigation
\$19,600,000 Total
\$600,000 Route 123 Link Cost

Evaluation Criteria
0 Tree Cover
- RPA Impacts
0 Diversion
0 Diversion w/ Link
- Proximity
0 Soils
++ Land Use
0 Watersheds
+ Visual
+ Noise
-- Field Impacts
++ Parking Impacts
-- Construction