

Design/Implementation Block Grant (Year 2 Pilot) Eligible Project Types, Standards, Milestones & Deliverables Spreadsheet

Sector	Project Type & Phase	Project Type Definition	Required Project Eligibility (in addition to general eligibility requirements specified in Project Selection & Screening Guidance Document)	Required Performance Measures	Required Milestones	Required Deliverables (documentation of milestones)	Required Project Standards	Match Requirements	Technical Support Contact Information
Forestry	Forestry - Final Design	Final design of forest logging road, trail, and/or stream crossing	Discussed the project with Dave Wilcox- see contact information.	Number of final (100%) designs completed.	1. Project initiated, ownership of site(s) identified. 2. Identified site/design considerations and permitting needs. 3. Determination of O&M responsible party. 4. 100% design complete. 5. Project complete.	1. Locator map with site photo(s); summary of landowner contact. 2. Project summaries that identify site/design considerations, permitting needs, and water quality improvement needs and objectives. 3. Documentation of O&M responsible party once project is implemented. 4. Final Design Report (includes synthesis of prior completed project deliverables, 100% designs, written landowner commitment to implement the project and final cost-estimate). 5. Final performance report (using Attachment E), press release.	1. Follow 2018 AMPs and forthcoming AMP Manual (see FPR website and/or contact Dave Wilcox). 2. Follow 2019 Better Roads Standards: https://vtrans.vermont.gov/sites/aot/files/highway/documents/hf/Better%20Roads%20Manual%20Final%20202019.pdf	Not required, incentivized.	Dave Wilcox, 802-476-0179, david.wilcox@vermont.gov
	Forestry - Implementation	Implementation of forest logging road, trail, and/or stream crossing or Acceptable Management Practices (AMPs) project(s) to address erosion to control nutrient and/or sediment pollution at prioritized locations.	Discussed the project with Dave Wilcox- see contact information.	Linear feet of road drainage improved and/or Number of stream crossings improved	1. Project initiated; RFP issued and contractor selected (if applicable). 2. Implementation update(s); forestry acceptable practice(s) implemented. 3. Project complete.	1. Copy of RFP and signed contract; statement of reasoning for contractor selection (if applicable); photo(s) of site(s) pre-implementation. 2. Interim report(s) - includes summary of work to date, percent progress, and construction photos. 3. Final performance report (using Attachment E), press release, post-implementation photo(s).	1. Follow 2018 AMPs and forthcoming AMP Manual (see FPR website and/or contact Dave Wilcox). 2. Follow 2019 Better Roads Standards: https://vtrans.vermont.gov/sites/aot/files/highway/documents/hf/Better%20Roads%20Manual%20Final%20202019.pdf	Not required, incentivized.	Dave Wilcox, 802-476-0179, david.wilcox@vermont.gov
Lakes	Lake Shoreland - Preliminary Engineering Design	Preliminary determination of feasibility and design of lake shoreland restoration projects and lakeshore nutrient/sediment pollution reduction practices at priority locations. Work includes determining landowner interest, site/design considerations, permitting needs, and overall suitability for implementation practices.	1. Ensure projects are capital eligible (i.e. not assessment, not project identification, must be eligible partner and not the landowner). 2. Contact the Lakes Program before beginning the project for program approval and sign off (must document). 3. Work crew projects may not invoice multiple block grants, nor shall funds from one block grant be used as match for funds to another block grant.	Number of preliminary (30%) designs completed	1. Project initiated; identified site/design considerations and permitting needs. 2. 30% design complete. 3. Project complete.	1. Locator map with site photo(s); project summaries that identify site/design considerations, permitting needs, and restoration/water quality improvement objects and goals. 2. Preliminary design final report (includes synthesis from prior completed project deliverables, 30% designs, written landowner commitment to next project step, and cost-estimate). 3. Final performance report (using Attachment E), press release.	1. Follow shoreland best management practice standards: https://dec.vermont.gov/watershed/lakes-ponds/lakeshores-lake-wise/bmp . 2. For questions regarding design, contact Amy Picotte.	Not required, incentivized	Amy Picotte, 802-490-6128, amy.picotte@vermont.gov
	Lake Shoreland - Final Engineering Design	Final design of lake shoreland restoration projects and/or lakeshore nutrient/sediment pollution reduction practices at priority locations. Work includes securing permit(s) and final operation and maintenance plan agreement(s).	1. Ensure projects are capital eligible (i.e. not assessment, not project identification, must be eligible partner and not the landowner). 2. Contact the Lakes Program before beginning the project for program approval and sign off (must document). 3. Work crew projects may not invoice multiple block grants, nor shall funds from one block grant be used as match for funds to another block grant.	Number of final (100%) designs completed	1. Project initiated; determination of required permits. 2. Determination of O&M responsible party. 3. 100% designs complete. 4. Project complete.	1. Documentation of required permits for project implementation (see instructions), indicating potential challenges/conflicts for obtaining permit (if applicable) and project locator map. 2. Documentation of O&M responsible party once project is implemented. 3. Final design report (includes synthesis of prior completed project deliverables, 100% designs, written landowner commitment to implement project, and final cost-estimate). 4. Final performance report (using Attachment E), press release.	1. Follow shoreland best management practice standards: https://dec.vermont.gov/watershed/lakes-ponds/lakeshores-lake-wise/bmp . 2. For questions regarding design, contact Amy Picotte.	Not required, incentivized	Amy Picotte, 802-490-6128, amy.picotte@vermont.gov
Lakes	Lake Shoreland - Implementation	Implementation of lake shoreland restoration projects and/or lakeshore nutrient/sediment pollution reduction practices at priority locations.	1. Ensure projects are capital eligible (i.e., not assessment, not project identification, must be eligible partner and not the landowner). 2. Contact the Lakes Program before beginning the project for program approval and sign off (must document). 3. Work crew projects may not invoice multiple block grants, nor shall funds from one block grant be used as match for funds to another block grant.	Acres of lake shore restored and linear feet of lake shore restored.	1. Project initiated; RFP issued (if applicable). 2. Contractor selected (if applicable). 3. Required permits secured (if applicable). 4. Implementation update(s). 5. Buffer restoration planting completed. 6. O&M created and signed. 7. Project complete.	1. Copy of RFP (if applicable); photo(s) of site(s) pre-implementation. 2. Signed contract; statement of reasoning for contractor selection (if applicable). 3. Permit documentation (if applicable). 4. Interim report(s) - includes summary of work to date, percent progress, and construction photos. 5. Final performance report (using Attachment E) including buffer-BMP reporting; press release; post-implementation photo(s).	1. Follow shoreland best management practice standards: https://dec.vermont.gov/watershed/lakes-ponds/lakeshores-lake-wise/bmp . 2. For questions regarding design, contact Amy Picotte.	Not required, incentivized	Amy Picotte, 802-490-6128, amy.picotte@vermont.gov
	Rivers	Rivers - Floodplain/Stream Restoration Preliminary Engineering Design	Preliminary determination of feasibility and design of stream/river and floodplain restoration projects to restore the stream/river to least erosion condition (i.e., equilibrium condition) and improve habitat. Restoration work includes removing/reetrofitting river corridor/floodplain encroachments and instream structures. Work includes determining landowner interest, site/design considerations, permitting needs, and overall suitability for implementing project.	1. Projects must be identified and ranked in a River Corridor Plan, Stream Geomorphic Assessment, or related rivers project development effort. 2. Projects must meet the defined project types outlined in this spreadsheet. 3. Project must improve stream channel and/or floodplain connectivity. 4. Projects that have larger scale/reach scale benefits will have higher priority for funding. 5. Projects must not create new conflict with river/channel adjustments that may lead to increased channel management. 6. Projects that have larger scale/ reach scale benefits may be required to have a protection component to them (e.g., easement or other deed restriction) in addition to the typical O & M. 7. Projects must have documented DEC Regional River Scientist sign off on the project concept prior to grant request (within the timeline of the block grant).	Number of preliminary (30%) designs completed.	1. Project initiated; ownership of site(s) identified. 2. Identified site/design considerations and permitting needs. 3. 30% design complete. 4. Project complete.	1. Locator map with site photo(s); summary of landowner contact. 2. Project summaries that identify site/design considerations, permitting needs, and restoration/water quality improvement objectives and needs (including field survey completed with GIS-based map and cross-section locations). 3. Preliminary design final report (includes alternatives analysis summary, synthesis of prior completed project deliverables, 30% designs, written landowner commitment to next project step, and cost-estimates). 4. Final performance report (using Attachment E), press release.	Grantee must check in with the DEC Regional River Scientist and obtain approval prior to each phase of a project: project initiation, scope of work development, 30% design, and 100% design phases. Check-ins must include submittal of project concepts/plans to date and discussion of project objectives and potential constraints. Grantee must check in with the DEC Rivers Program to identify and obtain applicable floodplain, river corridor, or stream alteration permits.	Not required, incentivized
Rivers	Rivers - Floodplain/Stream Restoration Final Engineering Design	Final design of stream/river and floodplain restoration projects to restore the stream/river to least erosion condition (i.e., equilibrium condition) and improve habitat. Restoration work includes removing/reetrofitting river corridor/floodplain encroachments and instream structures. Work includes securing permit(s) and final operation and maintenance plan agreement(s).	1. Projects must be identified and ranked in a River Corridor Plan, Stream Geomorphic Assessment, or related rivers project development effort. 2. Projects must meet the defined project types outlined in this spreadsheet. 3. Projects must improve stream channel and/or floodplain connectivity. 4. Projects that have larger scale/reach scale benefits will have higher priority for funding. 5. Projects must not create new conflict with river/channel adjustments that may lead to increased channel management. 6. Projects that have larger scale/ reach scale benefits may be required to have a protection component to them (e.g., easement or other deed restriction) in addition to the typical O & M. 7. Projects must have documented DEC Regional River Scientist sign off on the project concept prior to grant request (within the timeline of the block grant).	Number of final (100%) designs completed	1. Project initiated; determination of required permits. 2. Determination of O&M responsible party. 3. 100% designs complete. 4. Project complete.	1. Locator map with site photo(s); summary of landowner contact. 2. Project summaries that identify site/design considerations, permitting needs, and restoration/water quality improvement objectives and needs (including field survey completed with GIS-based map and cross-section locations). 3. Preliminary design final report (includes alternatives analysis summary, synthesis of prior completed project deliverables, 30% designs, written landowner commitment to next project step, and cost-estimates). 4. Final performance report (using Attachment E), press release.	Grantee must check in with the DEC Regional River Scientist and obtain approval prior to each phase of a project: project initiation, scope of work development, 30% design, and 100% design phases. Check-ins must include submittal of project concepts/plans to date and discussion of project objectives and potential constraints. Grantee must check in with the DEC Rivers Program to identify and obtain applicable floodplain, river corridor, or stream alteration permits.	Not required, incentivized	Contact your local rivers scientist: https://dec.vermont.gov/sites/dec/files/wsm/rivers/docs/rv_River_Scientist_Regions.pdf

		Implementation of stream/river and floodplain restoration projects to restore the stream/river to least erosive condition (i.e., equilibrium condition) and improve habitat. Restoration work includes removing/retrofitting river corridor/floodplain encroachments and instream structures. Permits and operation and maintenance plan agreement(s) are in place prior to implementation.	1. Projects must be identified and ranked in a River Corridor Plan, Stream Geomorphic Assessment, or related rivers project development effort. 2. Projects must meet the defined project types outlined in this spreadsheet. 3. Project must improve stream channel and/or floodplain connectivity. 4. Projects that have larger scale/reach scale benefits will have higher priority for funding. 5. Projects must not create new conflicts with river/channel adjustments that may lead to increased channel management. 6. Projects that have larger scale/ reach scale benefits may be required to have a protection component to them (e.g., easement or other deed restriction) in addition to the typical O & M. 7. Projects must have documented DEC Regional River Scientist sign off on the project concept prior to grant request (within the timeline of the block grant).	For floodplain restoration: Acres of floodplain reconnected/restored. For stream restoration: linear feet of stream restored. For in-stream culvert work: stream miles reconnected for stream equilibrium/aquatic organism passage. For encroachment: number of river corridor/floodplain encroachments removed or retrofitted.	1. Project initiated; RFP issued (if applicable). 2. Contractor selected (if applicable). 3. Required permits secured (if applicable). 4. Implementation update(s). 5. Floodplain/stream restoration project(s) implemented. 6. O&M created and signed. 7. Project complete.	1. Copy of RFP (if applicable); photo(s) of site(s) pre-implementation. 2. Signed contract; statement of reasoning for contractor selection (if applicable). 3. Permit documentation (if applicable). 4. Interim report(s) (includes summary of work to date, percent progress, and construction photos, including photo of Clean Water Project Sign, if applicable). 5. Signed 10-year (minimum) O&M Plan and Agreement Template. 6. Final Performance Report; press release; post-implementation photo(s).	Grantee must check in with the DEC Regional River Scientist and obtain approval prior to each phase of a project: project initiation, scope of work development, 30% design, and 100% design phases. Check-ins must include submittal of project concepts/plans to date and discussion of project objectives and potential constraints. Grantee must check in with the DEC Rivers Program to identify and obtain applicable floodplain, river corridor, or stream alteration permits.	Not required, incentivized	Contact your local rivers scientist: https://dec.vermont.gov/sites/dec/files/wsm/rivers/docs/rv_River_Scientist_Regions.pdf
	Rivers – Floodplain/Stream Restoration Implementation								
		Preliminary determination of feasibility and design of stormwater management practice(s) that collect, store, infiltrate, and filter runoff that contains nutrient and sediment pollution from hard surfaces associated with developed/urban/suburban areas. Work includes determining landowner interest, site/design considerations, permitting needs, and overall suitability for project implementation. Work must result in at least 30% design of project which includes a design concept report, topographic and boundary survey, geotechnical report, and project drawings/specifications.	Eligible projects have been identified in an assessment or plan such as a SWMP. Assessments, plans (such as a SWMP) are ineligible.	Number of preliminary (30%) designs completed.	1. Project initiated; ownership of site(s) identified. 2. Identified site/design considerations and permitting needs. 3. 30% design complete. 4. Project complete.	1. Locator map with site photo(s); summary of landowner contact. 2. Project summaries that identify site/design considerations, permitting needs, and water quality improvement needs and goals. 3. Preliminary design final report (includes synthesis of prior completed project deliverables, 30% designs, written landowner commitment to next project step, and cost-estimate). 4. Final performance reporting (using Attachment E) including BMP reporting (one BMP report template for each 30% design completed); press release.	1. Must follow the 2017 stormwater manual for more technical aspects and guidance for design. 2. For final design & construction projects in the Lake Champlain or Lake Memphremagog watersheds calculate the nutrient reduction by using the on-line Stormwater Treatment Practice calculator. Phosphorus reductions are not needed for projects outside these basins. All projects should either provide treatment of the Water Quality Volume (1 inch, 24 hour storm), or if that is not possible due to site constraints, they must maximize treatment of runoff to the extent practicable. 3. For jurisdictional projects, ensure compliance with permits.	50% for identified MS4 communities (see RFP). All others, incentivized.	1. Hank Ainley, 802-490-6119, david.ainley@vermont.gov. 2. Helen Carr, 802-490-6170, helen.carr@vermont.gov. 3. Jim Pease, 802-490-6116, jim.pease@vermont.gov.
Stormwater	Stormwater – Preliminary Engineering Design								
		Final design of stormwater management practice(s) that collect, store, infiltrate, and filter runoff that contains nutrient and sediment pollution from hard surfaces associated with developed/urban/suburban areas. Work includes securing permit(s) and final operation and maintenance plan agreement(s).	Eligible projects have been identified in an assessment or plan such as a SWMP. Assessments, plans (such as a SWMP) are ineligible.	Number of final (100%) designs completed	1. Project initiated; determination of required permits. 2. Determination of O&M responsible party. 3. 100% designs complete. 4. Project complete.	1. Documentation of required permits for project implementation (see instructions), indicating potential challenges/conflicts for obtaining permit (if applicable) and project locator map. 2. Documentation of O&M responsible party once project is implemented. 3. Final design report (includes synthesis of prior completed project deliverables, 100% designs, written landowner commitment to implement project, and final cost-estimate with a level of effort document). 4. Final performance report (using Attachment E) including BMP reporting (indicate BMP status as constructed; press release; post-implementation photo(s)).	1. Must follow the 2017 stormwater manual for more technical aspects and guidance for design. 2. For final design & construction projects in the Lake Champlain or Lake Memphremagog watersheds calculate the nutrient reduction by using the on-line Stormwater Treatment Practice calculator. Phosphorus reductions are not needed for projects outside these basins. All projects should either provide treatment of the Water Quality Volume (1 inch, 24 hour storm), or if that is not possible due to site constraints, they must maximize treatment of runoff to the extent practicable. 3. For jurisdictional projects, ensure compliance with permits.	50% for identified MS4 communities (see RFP). All others, incentivized.	1. Hank Ainley, 802-490-6119, david.ainley@vermont.gov. 2. Helen Carr, 802-490-6170, helen.carr@vermont.gov. 3. Jim Pease, 802-490-6116, jim.pease@vermont.gov.
	Stormwater – Final Engineering Design								
		Implementation of stormwater management practice(s) that collect, store, infiltrate, and filter runoff that contains nutrient and sediment pollution from hard surfaces associated with developed/urban/suburban areas. Permit(s) and operation and maintenance plan agreement(s) are in place prior to construction.	Eligible projects have been identified in an assessment or plan such as a SWMP. Assessments, plans (such as a SWMP) are ineligible.	Acres of impervious surface treated and/or acres of impervious area removed (if applicable)	1. Project initiated; RFP issued (if applicable). 2. Contractor selected (if applicable). 3. Permit documentation (if applicable). 4. Implementation update(s); BMP(s) implemented. 5. O&M plan created and signed. 6. Project complete.	1. Copy of RFP (if applicable); photo(s) of site(s) pre-implementation. 2. Signed contract; statement of reasoning for contractor selection (if applicable). 3. Permit documentation (if applicable). 4. Interim report(s) – includes summary of work to date, percent progress, construction photo(s). 5. Signed 10-year minimum O&M plan. 6. Final performance report (using Attachment E) including BMP reporting (indicate BMP status as constructed); press release; post-implementation photo(s).	1. Must follow the 2017 stormwater manual for more technical aspects and guidance for design. 2. For final design & construction projects in the Lake Champlain or Lake Memphremagog watersheds calculate the nutrient reduction by using the on-line Stormwater Treatment Practice calculator. Phosphorus reductions are not needed for projects outside these basins. All projects should either provide treatment of the Water Quality Volume (1 inch, 24 hour storm), or if that is not possible due to site constraints, they must maximize treatment of runoff to the extent practicable. 3. For jurisdictional projects, ensure compliance with permits.	50% for identified MS4 communities (see RFP). All others, incentivized.	1. Hank Ainley, 802-490-6119, david.ainley@vermont.gov. 2. Helen Carr, 802-490-6170, helen.carr@vermont.gov. 3. Jim Pease, 802-490-6116, jim.pease@vermont.gov.
	Stormwater – Project Implementation								