

Internal Transfer Opportunity			
JOB TITLE	Graduate Civil or Environmental Engineer, Civil or Environmental Engineer 1, Civil or Environmental Engineer 2, Civil or Environmental Engineering Specialist		
CLASS CODE	3B04, 3B60, 3B05, 3B61, 3B06, 3B62, 3B74	PREPARED BY	PWD HR
DATE LISTED		CLOSING DATE	Until filled by transfer or appointment
JOB LOCATION	Jefferson Tower, 1101Market Street, 4 th Floor	Number of Positions	1
DIVISION/UNIT	Planning & Environmental Services Division, GSI Implementation Unit	REPORTS TO	Rick Howley
GROUP	Ecological Restoration Design		
POSITION DETAILS			
UNIT OVERVIEW	<p>The mission of the GSI Unit is to effectively develop and grow an integrated infrastructure resilience program to ensure ongoing regulatory compliance by pursuing the longstanding goals to:</p> <ul style="list-style-type: none"> • Advance the ability of the Department to design and build GSI and Ecological Restoration projects to keep pace with the increasing rates required to maintain compliance. • Develop construction documents for GSI and ecological restoration projects, developing resources and standards for GSI and ecological restoration, and providing technical support to Planning and Construction. • Restore waterways within Philadelphia through stream restoration, wetland creation/enhancement, riparian asset protection, and stormwater management projects. • Pursue opportunities to reduce the lifetime cost of green stormwater infrastructure. • Create effective processes for collaboration both internally and externally to facilitate the most complete projects. • Recognize our staff as one of our most valuable assets and support their growth and development as civil servants. 		
GROUP OVERVIEW	<p>The available position is within the GSI Unit's Ecological Restoration Design Group. The mission of ERG is to restore waterways within the City of Philadelphia through stream restoration, wetland creation/enhancement, riparian asset protection, and stormwater management projects. Ecological restoration projects provide protection of critical PWD infrastructure, assist in regulatory compliance, and promote improvement of the City's water resources. The Ecological Restoration Design group primarily focuses on management and implementation of design projects.</p>		
POSITION OVERVIEW	<p>The candidate selected for this position will assist civil and environmental engineers, environmental scientists, landscape designers, and planners to plan and design public ecological restoration and riparian asset protection projects. The group's primary responsibilities are developing construction documents, developing resources and standards, and providing technical support to Planning and Construction. Typical tasks and responsibilities include engineering plan review and calculations; project management; coordination with other PWD Units; resource development; and other required office and field tasks.</p>		
DUTIES AND RESPONSIBILITIES	<p>Tasks will be scaled based on the level of the employee. Tasks will increase in scope and complexity to develop the knowledge and abilities of the engineer. Employees will be given progressively more difficult assignments and are expected to use progressively more independence of judgment in planning work details and making engineering decisions. Employees at the Engineer 2 or Specialist Level may provide technical direction to lower-level engineers, interpretative and advisory services to engineering superiors, and may serve as project leaders on specific assignments.</p> <ul style="list-style-type: none"> • Develops feasible design strategies for stream, wetland, stormwater management and riparian asset protection projects • Prepares or reviews sketches, drawings and designs, plans and specifications, cost estimates, engineering calculations, and design reports • Reviews plans, specifications, cost estimates, engineering calculations, and design reports prepared by consulting engineers to determine accuracy and completeness of plans and for compliance with sound engineering practices and Department standards • Coordinates the design and review of projects with other department units and outside entities including Parks and Recreation, the Streets Department, and the U.S. Army Corps Engineers 		

	<ul style="list-style-type: none"> • Ensures necessary permits and project reviews are obtained • Tracks project metrics and records key project information in Department databases • Oversees projects schedules to maintain effective implementation • Supports construction through review of construction submittals, responding to RFI's and field inquiries, and attendance at field meetings, as needed • Performs site visits during planning, design, construction, and post-construction to evaluate field conditions • Shares information gathered with other Department units responsible for infrastructure or regulatory compliance • Monitors stream and stormwater hydrologic flow conditions • Coordinates maintenance of stream and wetland sites that require active intervention • Contributes to the development of design guidelines, tools, and standards to assist in streamlining of the GSI implementation process
DIRECT REPORTS Y/N	N

PWD employees interested in internal transfer opportunities must have permanent status in the title advertised above. If you are interested in being considered for this internal transfer opportunity please email your resume Rick Howley, Ecological Restoration Design Supervisor, at Rick.Howley@phila.gov and Jillian Simmons, GSI Unit Director, at Jillian.Simmons@phila.gov.