

# ENVIRONMENTAL/SOCIAL MITIGATION

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To the extent possible, impacts to resources were avoided or minimized.

In accordance with State and Federal regulations, mitigations measures will be provided to compensate for unavoidable resource losses

including:

- Providing relocation assistance and/or compensation for displaced residences, businesses, and industries.
- Compensating for wetland impacts by use of wetland banking outside the project area.
- Implementing stormwater management measures that control operation, quantity, and quality.
- Compensating for floodplain fill and temporarily detaining stormwater runoff resulting from an increase in impervious surface.
- Controlling noise pollution during construction and implementing noise abatement in accordance with IDOT policy.
- Tree mitigation requirements per IDOT policy
  - 1-to-1 replacement ratio for bare root or balled and burlapped trees.
  - 3-to-1 replacement ratio for seedlings.



**Illinois Department  
of Transportation**

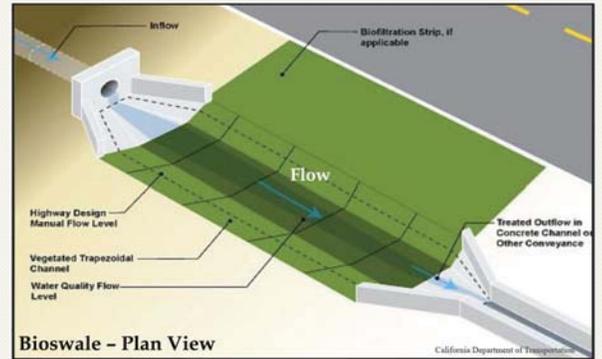
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# WATER QUALITY BEST MANAGEMENT PRACTICES



## Bioswales and basins benefit our water resources.

- Filters Pollutants
  - Reduces impacts to fish and other aquatic organisms*
  - Removes heavy metals, total suspended solids, and oil/grease*
  - Reduces nutrient loading that may cause excess algae blooms*
- Provides retention and infiltration
  - Temporarily stores stormwater runoff*
  - Reduces runoff volumes and rates*
  - Recharges groundwater and sustains stream base flows*
  - Reduces detention needs*
- Reduces Thermal Pollution
  - Minimizes thermal impacts to fish and other wildlife*



# LAND ACQUISITION



## LAND ACQUISITION TYPES

- Fee Simple  
*Acquisition of all rights and interest*
- Permanent Easement  
*Ownership retained by property owner  
IDOT allowed permanent use of property to construct and maintain the transportation facility*
- Temporary Easement  
*Ownership retained by property owner  
IDOT allowed temporary use of property to construct minor improvements*



## LAND ACQUISITION PROCEDURES

- Determine Ownership  
*Prepare property description*
- Independent Appraisal
- Negotiation
- Condemnation
- Relocation assistance when building acquired  
*Advisory/referral services  
Replacement housing payments  
Reimburse moving expenses*



# NOISE ABATEMENT



## Facade Options



*Option A*



*Option B*



*Option C*



*Option D*



*Option E*



# NOISE ANALYSIS PROCESS

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## Identify Noise Receptors

- Residences, daycares, schools, businesses and public facilities with outdoor use areas

## Predict Noise Levels at Representative Receptors

- Performed using computer Traffic Noise Model (TNM)

## Field Noise Monitoring

- Used to validate noise model

## Determine Traffic Noise Impacts

- Based on 2040 build noise levels

## Abatement Analysis at Impacts

- Determine where noise barriers are Feasible and Reasonable

## Benefited Receptor Viewpoint

- Where abatement is warranted, only benefited receptors will be given the opportunity to vote on the noise barrier

