

Libertyville Township Annual Open Space Report 2015



Accomplishments

- 1131.07 gallons of herbicide applied
- 97 Ash trees removed
- 12.95 acres burned
- 11 trees planted
- .85 acres cleared
- 13 volunteer work days
- 60 volunteers



Bull Creek Trail

- Residents have requested a trail connection for over 20 years
- Existing path was mowed, rough shape
 - Only connected Bull Creek Subdivision
 - No creek crossing
- Worked with the Lake County Forest Preserve District and the Lake County Division of Transportation on the preliminary routes and feasibility
- Open house
- Partnership with ComEd and the Village of Libertyville

Bull Creek Trail

- Pearson Brown & Associates hired for engineering and construction observation
- Team Reil Inc. was awarded contract
- Work completed to date
- Next Steps

Clearing and Site Prep



Clearing and Site Prep



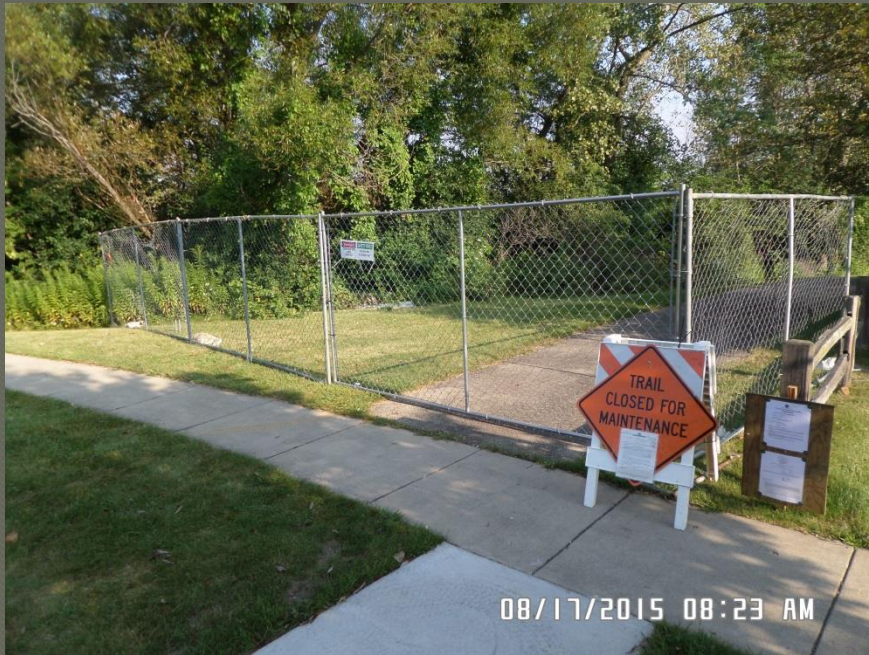
Clearing and Site Prep



Existing Mowed Path



Temporary Access and Protection



Earthwork and Grading



Earthwork and Grading



Earthwork and Grading



Drainage



Base Layer-Stone



Base Layer-Stone



Boardwalk



Boardwalk



Boardwalk



Boardwalk



Boardwalk



Boardwalk



Grants Received for Restoration

- Lake County Audubon Society has secured several grants on behalf of the Township to assist in the restoration efforts and improve bird habitat:
 - DAS Charitable Fund for the Preservation of Feline Animal Life - \$5,000
 - Lake County Audubon Society - \$3,000
 - Liberty Prairie Foundation - \$4,000
 - Trees Forever Illinois Buffer Partnership - \$2,000
 - Trees Forever - Pollinator Habitat Conservation - \$1,000

St. Mary's Restoration Update

PRIOR CONDITIONS



St. Mary's Restoration Update

ONGOING CLEARING



FIRST GROWING SEASON



Oak Openings Trail Head Improvement

- Trail washouts are a safety concern
- Repairs and improvements were performed in house



Oak Openings Trail Head Improvement

- Added rip rap swale
- Installed culvert and flared end sections
- Reinforced and reshaped the existing trail
- Provided stabilized outflow



Oak Openings Kiosk Mapping

BEFORE



- Replaced outdated map with new updated consolidated map
- Student from Prairie Crossing Charter School created a native plant poster

AFTER



Turf Herbicide Project

- Herbicide project on Township grounds
- The work was completed by McGinty Bros. Inc.
- Sites
- Time savings



Asphalt Sealcoating

- Sealcoat and crack filling project
- Work completed by Wharton Paving
- First location – Atkinson path



Asphalt Sealcoating

- Second location – Lindholm Park paths and parking lot



Tree Removals

- Approximately 60 dead and dying ash trees were removed from Township property along Casey Road
- Clean Cut was awarded the contract
- Three days to complete



Tree Removals

- Worked from Casey Road
- Removed trees as marked



Tree Removals



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- Approximately 25 trees removed from Wilton Court area
- The trees were located along the north line of the Atkinson Property
- Next steps –Atkinson Tree Clearing Project

Herbicide Project at Canterbury

- Control of reed canary grass and phragmites
- Initial treatment complete
- Follow up to occur in Spring 2016
- Integrated Lakes Management performing the work

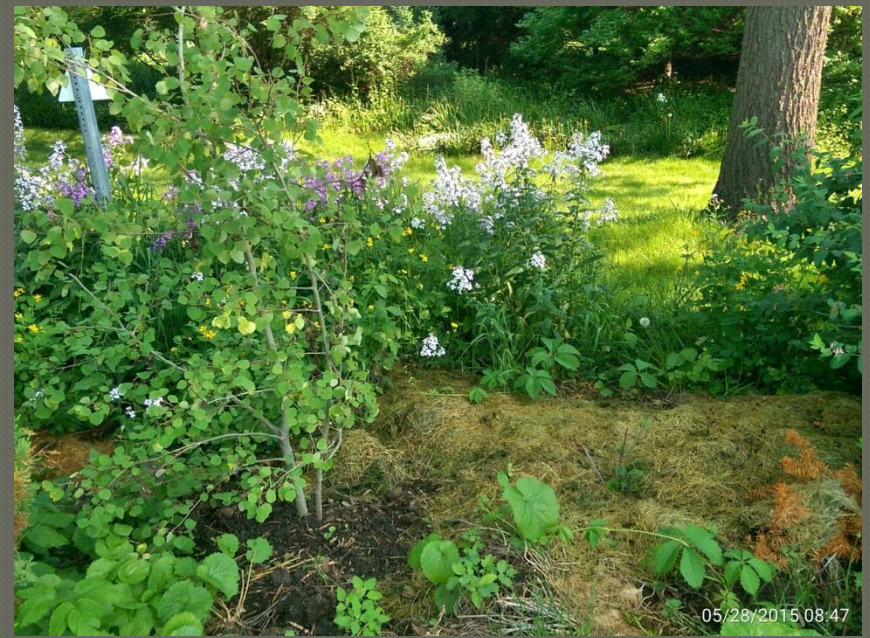


Encroachments

- Encroachments continue to be an ongoing issue: yard waste, structures, and landscaping
- Increasing homeowner awareness of boundaries through regular site inspections, surveying of properties, and education



Encroachments



River Road Improvements

- Trailhead fencing
 - Four trailheads
 - 110 feet
 - Installed to prevent unauthorized trail access
- Trail repairs
 - History of trail washouts
 - Regraded trail edge to facilitate drainage

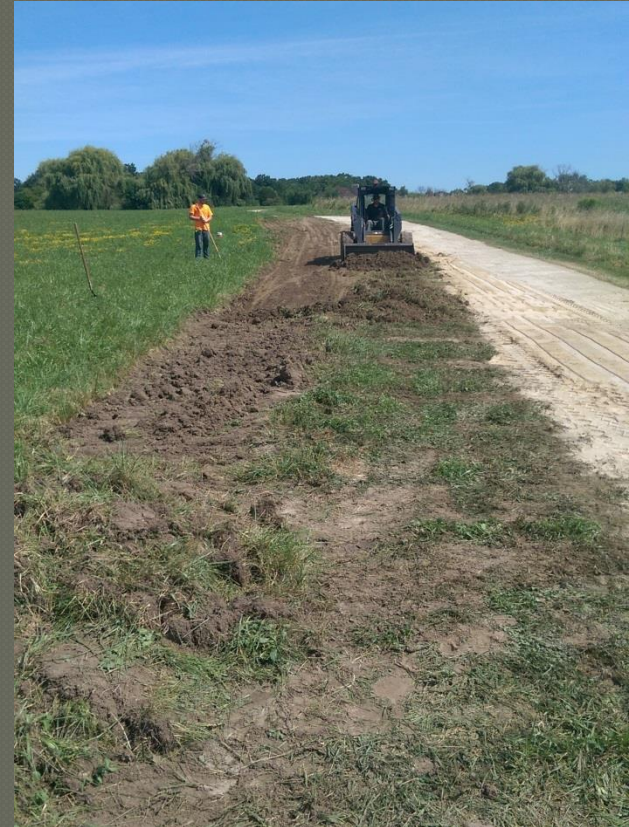


River Road Improvements

BEFORE



DURING



River Road Improvements

AFTER



Snake Hibernaculum Canterbury

- Installed by Luke Steinbeck and Owen Aaberg, Prairie Crossing Charter School students, with assistance from Dr. Michael Corn, Open Space staff and Township Highway Department staff.



Snake Hibernaculum Canterbury



Snake Hibernaculum Canterbury



Snake Hibernaculum Canterbury



Conservation Easement Monitoring

- Annual monitoring visits to Township held conservation easements:
 - Bott, Brennan, Getz 1,2,3 and Maxey
- Monitoring visits ensure terms of the conservation easements are upheld



Rx Burn with Mundelein Park and Recreation District

- Entered into an IGA
- Assisted MPRD in the development of their burn program and share resources
- Township staff assisted MPRD's first prescribed burn in Spring 2015
- MPRD staff assisted Libertyville Township on burns in Spring 2015



Thanks!

- Residents and Neighbors
- Volunteers
 - Midweek Volunteer Day
 - Training opportunities
- Seasonal Employees
 - Andrew Lindquist
 - Collin Apgar
 - Jacob Cowsky
 - Mike Geary
 - Patrick Ryan
 - Tim Ryan



2016 Preview

- Winter
 - Clearing at St. Mary's, Rt. 137
 - Casey Road Restoration Phase I – Hedgerow removals
- Spring
 - Canterbury prescribed burn - Tallgrass Restoration
 - Red-tail Hawk nesting platform installation – student project
 - Turf herbicide application
- Summer
 - Atkinson Property Ash Tree Removal Project
 - Completion Bull Creek Trail Construction Project
 - Bull Creek Trail Corridor Restoration Project
- Fall/Winter
 - River Road woodland restoration
 - Casey Road Restoration Phase I - hedgerow removal, drain tile removal and native seeding