US 31 at 236th Street Interchange

Virtual Public Meeting

March 25, 2021



Welcome

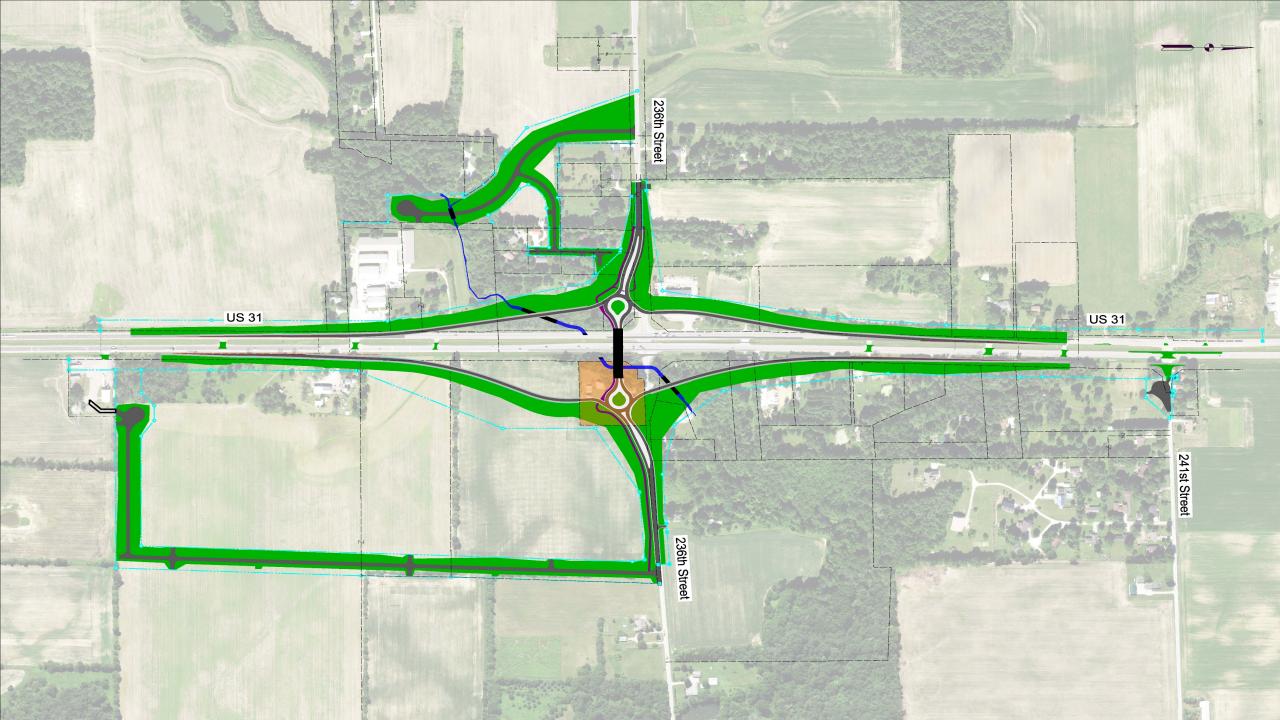
Presentation will begin at 6:00 pm.

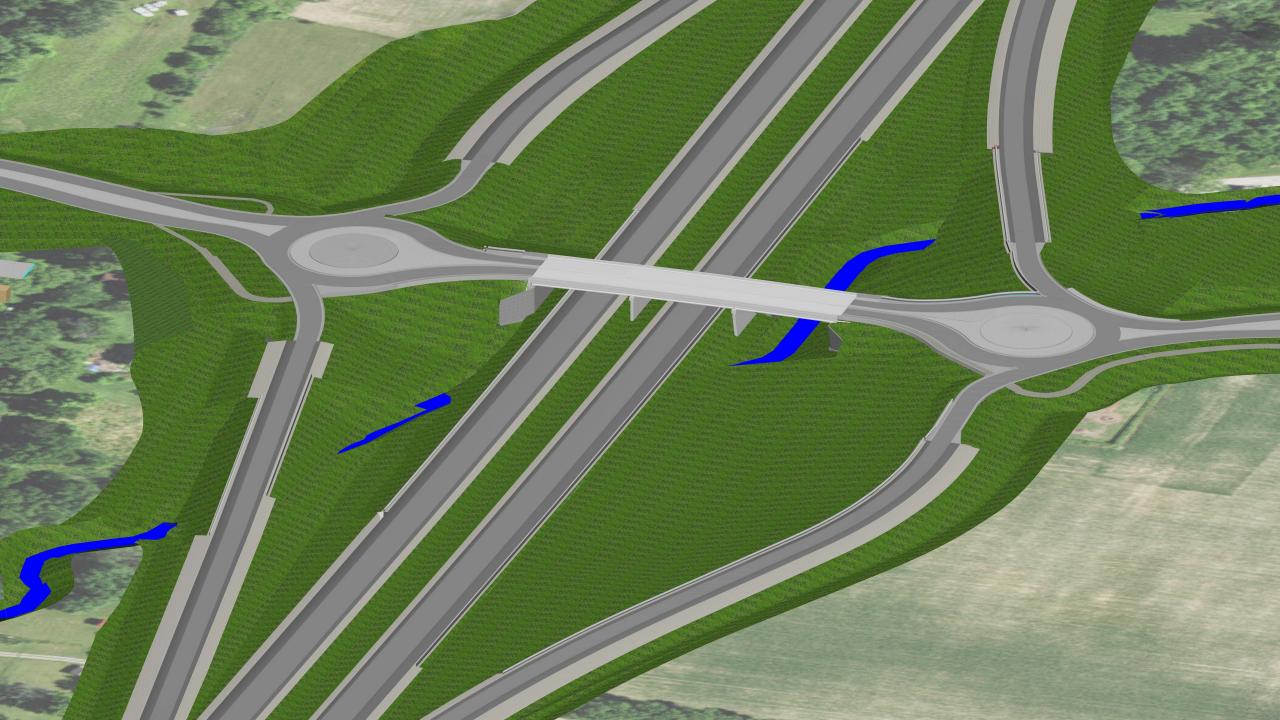
Presentation Exhibits can be found at: https://www.in.gov/indot/3831.htm

After the presentation there will be a public comment period.

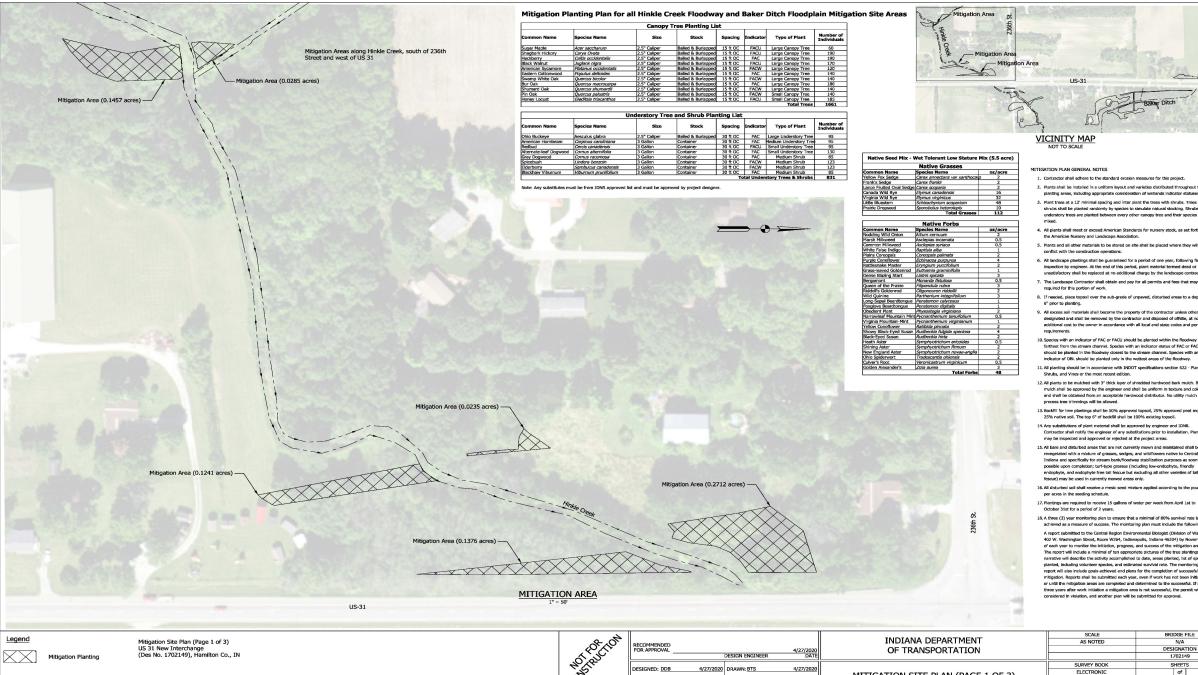
• After the public comment period, if time allows, the delivery team will be available for questions.









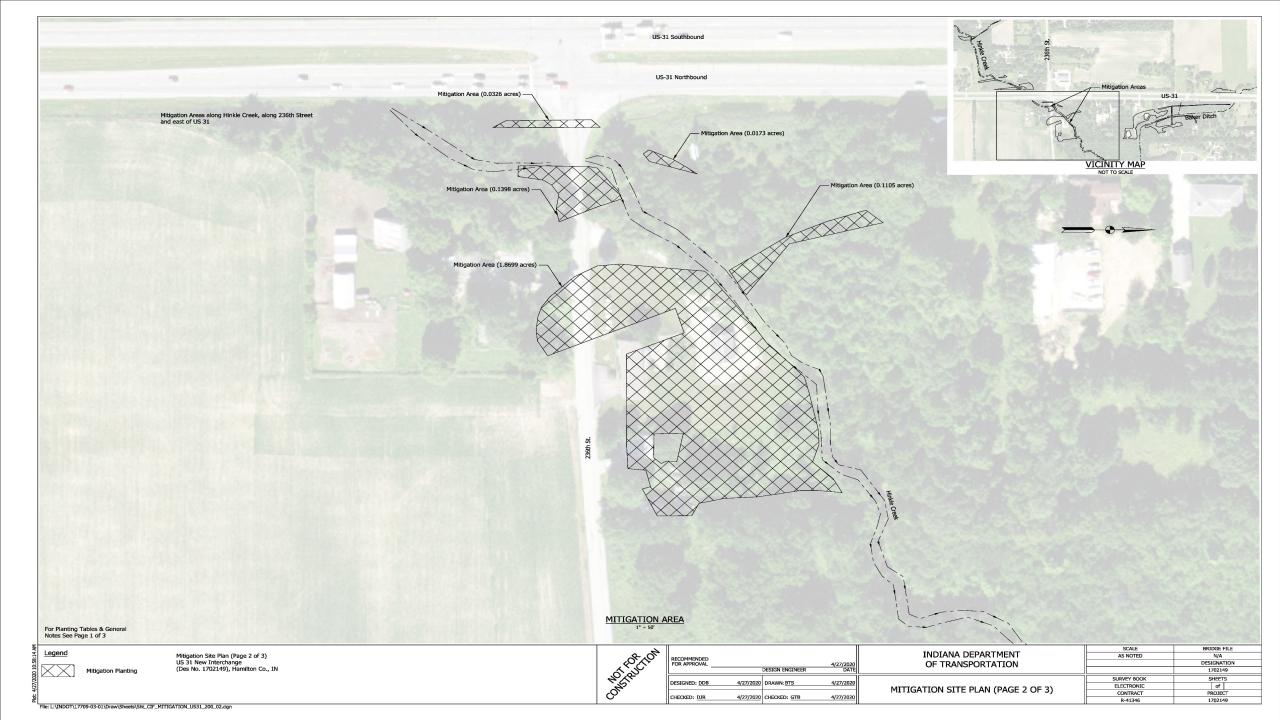


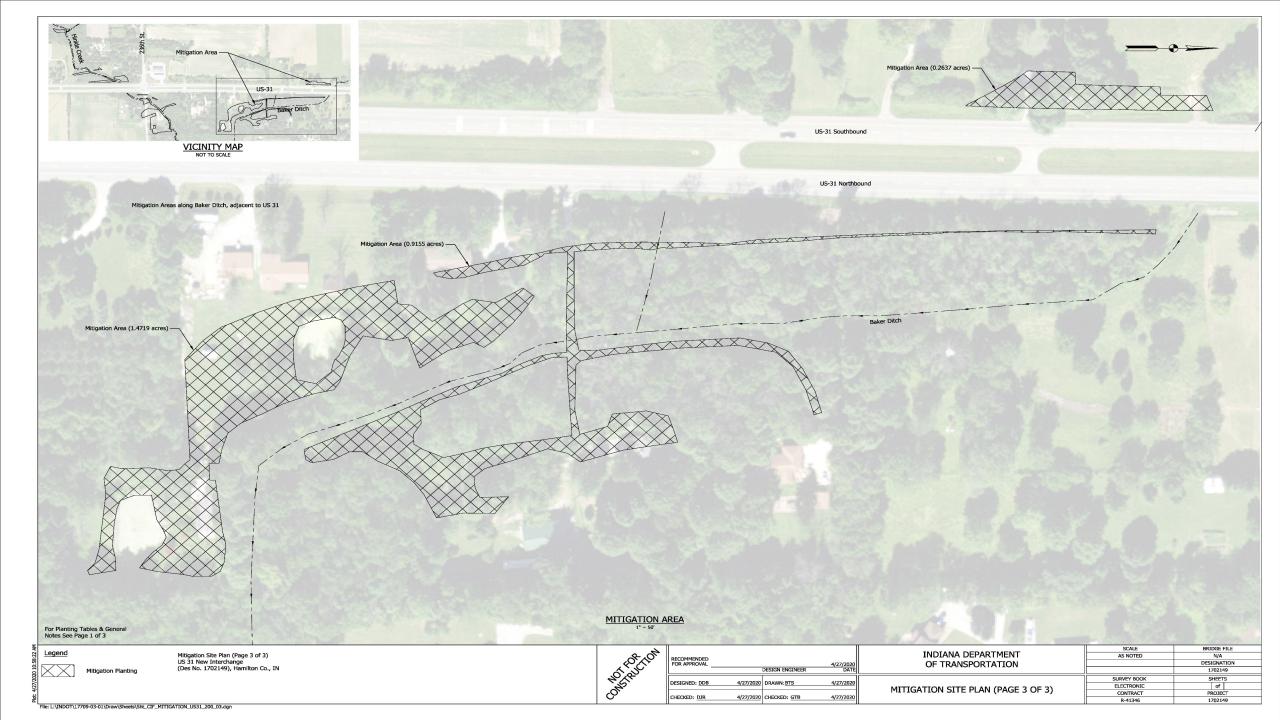
115-31 VICINITY MAP

MITIGATION PLAN GENERAL NOTES

- 1. Contractor shall adhere to the standard erosion measures for this project.
- 2. Plants shall be installed in a uniform layout and varieties distributed throughout the planting areas, including appropriate consideration of wetlands indicator statuses.
- 3. Plant trees at a 12' minimal spacing and inter plant the trees with shrubs. Trees and shrubs shall be planted randomly by species to simulate natural stocking. Shrubs and understory trees are planted between every other canopy tree and their species are
- 4. All plants shall meet or exceed American Standards for nursery stock, as set forth by the American Nursery and Landscape Association.
- 5. Plants and all other materials to be stored on site shall be placed where they will not conflict with the construction operations
- 6. All landscape plantings shall be guaranteed for a period of one year, following final inspection by engineer. At the end of this period, plant material termed dead or
- unsatisfactory shall be replaced at no additional charge by the landscape contractor 7. The Landscape Contractor shall obtain and pay for all permits and fees that may be
- 8. If needed, place topsoil over the sub-grade of unpaved, disturbed areas to a depth of
- 9. All excess soil materials shall become the property of the contractor unless otherwise designated and shall be removed by the contractor and discosed of offsite, at no additional cost to the owner in accordance with all local and state codes and permit
- farthest from the stream channel. Species with an indicator status of FAC or FACW should be planted in the floodway closest to the stream channel. Species with an indicator of OBL should be planted only in the wettest areas of the floodway.
- Shrubs, and Vines or the most recent edition.
- 12. All plants to be mulched with 3" thick layer of shredded hardwood bark mulch. Bark mulch shall be approved by the engineer and shall be uniform in texture and color and shall be obtained from an acceptable hardwood distributor. No utility mulch or process tree trimmings will be allowed.
- 25% native soil. The top 6" of backfill shall be 100% existing topsoil.
- 14. Any substitutions of plant material shall be approved by engineer and IDNR. Contractor shall notify the engineer of any substitutions prior to installation. Plans may be inspected and approved or rejected at the project areas.
- 15. All bare and disturbed areas that are not currently mown and maintained shall be Indiana and specifically for stream bank/floodway stabilization purposes as soon as possible upon completion; turf-type grasses (including low-endophyte, friendly endophyte, and endophyte free tall fescue but excluding all other varieties of tall fescue) may be used in currently mowed areas only.
- per acres in the seeding schedule.
- 17. Plantings are required to receive 15 gallons of water per week from April 1st to October 31st for a period of 2 years.
- 18. A three (3) year monitoring plan to ensure that a minimal of 80% survival rate is achieved as a measure of success. The monitoring plan must include the following: A report submitted to the Central Region Environmental Biologist (Division of Water, 402 W. Washington Street, Room W264, Indianapolis, Indiana 46204) by November : of each year to monitor the initiation, progress, and success of the mitigation areas. The report will include a minimal of ten appropriate pictures of the tree plantings. A narrative will describe the activity accomplished to date, areas planted, list of species planted, including volunteer species, and estimated survival rate. The monitoring report will also include goals achieved and plans for the completion of successful mitigation. Reports shall be submitted each year, even if work has not been initiated, or until the mitigation areas are completed and determined to the successful. If after three years after work initiation a mitigation area is not successful, the permit will be considered in violation, and another plan will be submitted for approval.

SCALE BRIDGE FILE AS NOTED DESIGNATION 1702149 SURVEY BOOK SHEETS ELECTRONIC MITIGATION SITE PLAN (PAGE 1 OF 3) CONTRACT CHECKED: DJR 4/27/2020 CHECKED: GTB 1702149

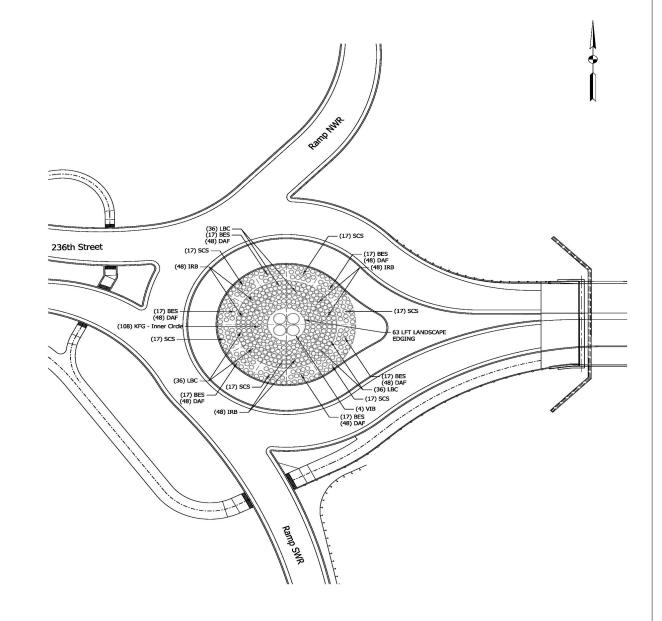




PLANT SCHEDULE:		_			
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NOTES
VIB	Viburnum prunifolium	Blackhaw Viburnum	4' B&B	Per plan	If planting containers, at least #5 or larger, Multi-stem shrubs
GRASSES					
LBC	Schizachyrium scoparium 'Carousel'	Little Bluestem 'Carousel'	#3 Container	24" o.c.	Approx. 108 plants
KFG	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	#3 Cont.	36" o.c.	Approx. 120 plants
SCS	Panicum virgatum 'Cheyenne Sky'	Panic Grass	#3 Cont.	30" o.c.	Approx. 102 plants
PERENNIALS					
BES	Rudbekia fulgida 'American Gold Rush'	Am. Gold Rush Black Eyed Susan	#1 Cont.	18" o.c.	Approx. 102 plants
IRB	Vernonia lettermanii 'Iron Butterfly'	Iron Butterfly Vernonia	#3 Cont.	36" o.c.	Approx. 72 plants
BULBS					
DAF	Narcissus pseudonarcissus 'Roadside Yellow'	Yellow Trumpet Daffodil, Roadside Yellow	14/16 cm bulbs	4 bulbs in each 6"-8" dia. by 6" deep pit	12 pits, between each BES plantings, see detail; approx. 288 bulbs. Plant in late autumn.

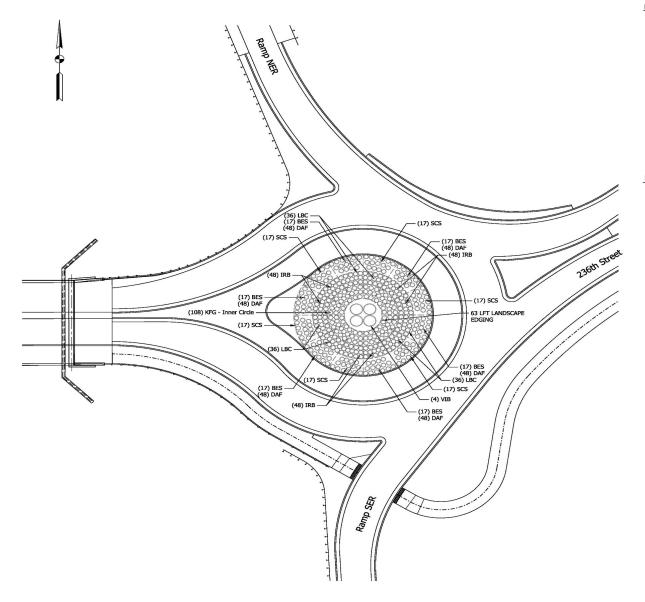
LANDSCAPE GENERAL NOTES:

- LANDSCAPE CONTRACTOR TO VERIFY PLANTING AREAS, SPACING OF PLANTS AND QUANTITIES TO BE PLANTED IN THOSE SPACES, MARKING PLANTING LOCATIONS PRIOR TO ACTUAL PLANTING. LAYOUT TO BE FIRST CHECKED BY ENGINEER'S REPRESENTATIVE BEFORE PLANTING COMMENCES.
- LANDSCAPE CONTRACTOR TO ENSURE ALL PLANTING AREAS ARE PREPARED ACCORDING TO PLANS AND SPECIFICATIONS PRIOR TO ACTUAL PLANTING.
- LANDSCAPE CONTRACTOR TO REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO COMMENCING WORK
- EDGING AT PERIMETER OF VIBURNUM PLANTING TO BE STANDARD CONCRETE "BRICK", COMMON SIZE, 4"x8"x2.5", SET IN MORTAR.
- ALL PLANTING BEDS ARE TO RECEIVE 3 IN MINIMUM SHREDDED HARDWOOD BARK MULCH, PLACED AFTER EACH AREA PLANTING IS COMPLETED. DO NOT COVER ANY PLANTS, ONLY THE SOIL SURROUNDING THEM.
- PUSH SOIL IMMEDIATELY SURROUNDING EVERY PLANT TO FORM A SMALL DEPRESSION FOR CAPTURE OF WATER.
- LANDSCAPE CONTRACTOR TO COORDINATE WORK WITH EARTHWORK CONTRACTOR FOR PROPER PLACEMENT OF PLANTING SOILS. SEE SPECIFICATIONS.
- PROTECT ALL AREAS OF PROJECT FROM DAMAGE. ANY DAMAGE
 OCCURING AS A RESULT OF LANDSCAPE OPERATIONS MUST BE
 REPORTED TO ENGINEER OR REPRESENTATIVE.
- ANY SUBSTITUTIONS DEEMED NECESSARY MUST FIRST BE PRESENTED TO ENGINEER OR REPRESENTATIVE FOR APPROVAL OR DISPOSITION.
- ALL PLANT QUANTITIES TO FOLLOW THE QUANTITIES LISTED IN "PLANT SCHEDULE" AS MINIMUMS. FINAL QUANTITIES MAY DIFFER BASED ON IAYOUT AND SPACING.



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RECOMMENDED	3/23/2021		INDIANA DEPARTMENT	1" = 20'	N/A		П
FOR APPROVAL			OF TRANSPORTATION		DESIGNATION		
_	DESIGN ENGINEER	DATE	or mounts orthogen		1702149		
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DESIGNED: GTB	3/23/2021 DRAWN: DDB	3/23/2021	WEST ROUNDABOUT	ELECTRONIC	171	of 277	П
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Interchange Tree Planting List

- Canopy Trees:
 - Sugar Maple
 - Shagbark Hickory
 - Hackberry
 - Black Walnut
 - American Sucamore
 - Eastern Cottonwood
 - Swamp White Oak
 - Bur Oak
 - Shumard Oak
 - Pin Oak
 - Honey Locust

- Understory Tree and Shrubs:
 - Ohio Buckeye
 - American Hornbeam
 - Redbud
 - Alternate-leaf Dogwood
 - Gray Dogwood
 - Spicebush
 - Elderberry
 - Blackhaw Viburnum



Roundabout Planting List

- Shrubs:
 - Blackhaw Viburnum
- Grasses:
 - Little Bluestem 'Carousel'
 - Karl Foerster Feather Reed Grass
 - Panic Grass
- Perennials:
 - American Gold Rush Black Eyed Susan
 - Iron Butterfly Vernonia
- Bulbs:
 - Yellow Trumpet Daffodil, Roadside Yellow

