

PROJECT SITE  
TOLEDO BOTANICAL  
GARDEN  
METROPARK

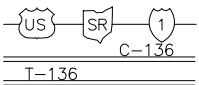
PROJECT SITE  
OAK OPENINGS  
PRESERVE

LOCATION MAP



NOT TO SCALE

Portion to be improved . . . . .  
State & Federal Routes . . . . .  
County Roads . . . . .  
Township Roads . . . . .



# TOLEDO METROPARKS RESURFACING FY2020

## SWANTON TOWNSHIP CITY OF TOLEDO LUCAS COUNTY, OHIO

### PROJECT DESCRIPTION

Resurfacing and paving of Oak Openings  
Maintenance Area and Toledo Botanical Garden  
Maintenance Area.

### 2019 SPECIFICATIONS

The standard specifications of the State of Ohio,  
Department of Transportation, including changes and  
supplemental specifications listed in the proposal shall  
govern this improvement.


### INDEX OF SHEETS

Title Sheet . . . . .	1
Typical Sections . . . . .	2
General Notes . . . . .	3
General Summary . . . . .	4
Plan Sheet – Oak Openings Maintenance Area. . . . .	5
Plan Sheet – Toledo Botanical Garden Maintenance Area. . .	6



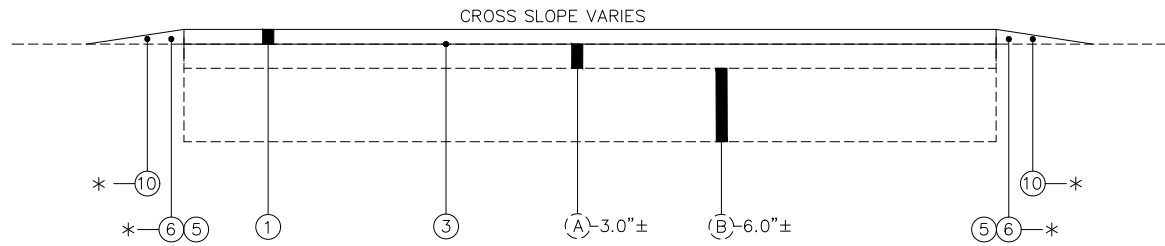
**METROPARKS  
TOLEDO**



STATE OF OHIO – STANDARD DRAWINGS				SUPPLEMENTAL SPECIFICATIONS		ENGINEER’S STAMP
Drwg.	Date	Drwg.	Date	Date		
BP-3.1	1-17-20			800	7-17-20	
				832	10-19-18	
MT-101.60	1-17-20					

PLANS PREPARED BY:  
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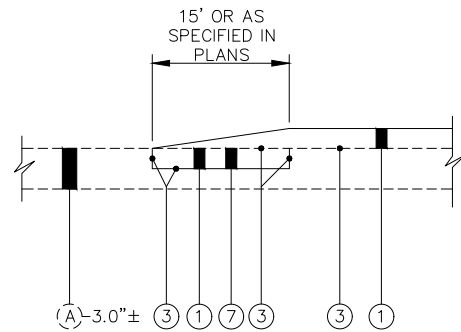


### PROPOSED TYPICAL SECTION "A"

NOT TO SCALE (NTS)

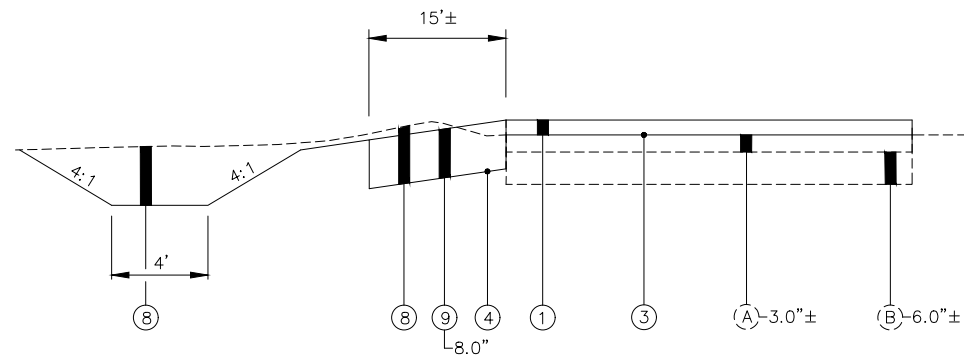
SEE PLAN SHEET FOR LOCATIONS OF TYPICAL SECTION "A"

\* - MATCH EXISTING MATERIAL TO THE SATISFACTION OF THE ENGINEER.



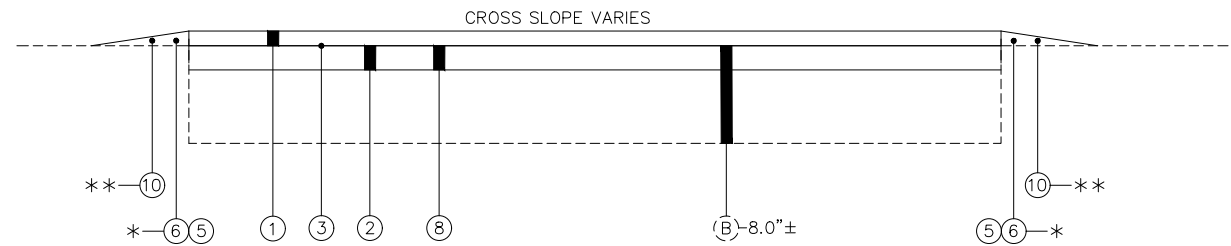
### BUTT JOINT DETAIL "C"

NOT TO SCALE (NTS)



### PROFILE FOR SWALE

NOT TO SCALE (NTS)

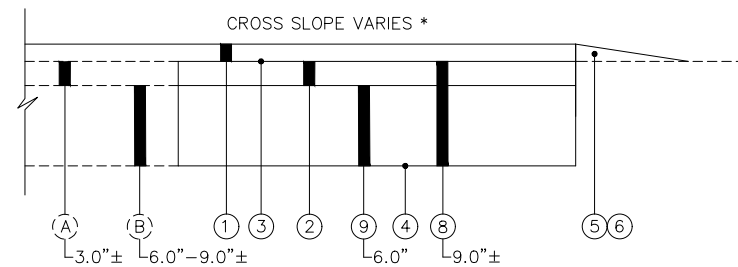


### PROPOSED TYPICAL SECTION "B"

NOT TO SCALE (NTS)

SEE PLAN SHEETS FOR TYPICAL SECTION "B"

\* - MATCH EXISTING MATERIAL TO THE SATISFACTION OF THE ENGINEER.



### FULL DEPTH PATCHING "D"

NOT TO SCALE (NTS)

LOCATIONS AND DIMENSIONS AS DIRECTED BY THE ENGINEER

### LEGEND

- (A) EXISTING ASPHALT PAVEMENT
- (B) EXISTING AGGREGATE BASE
- ① ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22, 1-1/2" THICK
- ② ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), 1-3/4" THICK
- ③ ITEM 407 - NON-TRACKING TACK COAT (0.055 GAL. PER SQ. YD.)
- ④ ITEM 204 - SUBGRADE COMPACTION
- ⑤ ITEM 653 - 2" TOPSOIL FURNISHED AND PLACED, AS PER PLAN
- ⑥ ITEM 659 - SEEDING, MULCHING, COMMERCIAL FERTILIZER AND WATER
- ⑦ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (1 1/2" THICK)
- ⑧ ITEM 203 - EXCAVATION
- ⑨ ITEM 304 - AGGREGATE BASE
- ⑩ ITEM 411 - STABILIZED CRUSHED AGGREGATE

GENERAL

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CONSTRUCTION INSPECTION

THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL AUTHORIZED BY THE OWNER.

UTILITIES

THE CONTRACTOR IS RESPONSIBLE TO CONTACT THE OHIO UTILITIES PROTECTION SERVICE AND TO INVESTIGATE AND VERIFY ALL UTILITIES PRIOR TO ANY WORK.

PROTECTION AND RESTORATION OF PROPERTY

THE CONTRACTOR SHALL COMPLY WITH SECTION 107.10 OF THE 2019 CONSTRUCTION AND MATERIAL SPECIFICATIONS WITH RESPECT TO THE PRESERVATION OF ADJACENT PROPERTY.

CONTINGENCY QUANTITIES

THE LOCATIONS WHERE THE CONTINGENCY QUANTITIES ARE TO BE APPLIED WILL BE DELINEATED BY THE ENGINEER. THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

202, PAVEMENT REMOVED, AS PER PLAN	100 SY
203, EXCAVATION	110 CY
203, EMBANKMENT	10 CY
204, SUGRADE COMPACTION	100 SY
304, AGGREGATE BASE	62 CY

DATE OF COMPLETION

FAILURE TO COMPLETE THE WORK BY THE DATE STATED IN THE PROPOSAL WILL RESULT IN MONIES DEDUCTED FROM ANY AMOUNT DUE THE CONTRACTOR AS LIQUIDATED DAMAGES AS PER SECTION 108.07 OF THE 2019 O.D.O.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS.

UNIT PRICE ADJUSTMENT

UNIT PRICE ADJUSTMENT PER ODOT SPECIFICATION ITEM 104.02 SHALL NOT APPLY TO ANY ITEMS OR QUANTITIES LISTED IN THE PLANS AS CONTINGENCY, OR THAT ARE SET UP TO BE USED AS DIRECTED BY THE ENGINEER. THE ITEM 104.02 UNIT PRICE ADJUSTMENT FOR THE REMAINING QUANTITIES WILL ONLY BE IMPLEMENTED UPON WRITTEN REQUEST FROM THE CONTRACTOR.

SEEDING AND MULCHING

THE FOLLOWING ITEMS ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

- ITEM 659—SEEDING AND MULCHING
- ITEM 659—COMMERCIAL FERTILIZER
- ITEM 659—WATER

SEEDING AND MULCHING SHALL BE APPLIED TO ALL DAMAGED AREAS.

ITEM 653, TOPSOIL, FURNISHED AND PLACED, AS PER PLAN

TOPSOIL SHALL BE FURNISHED AND SPREAD 2 INCHES THICK FOR ALL DISTURBED GRASSY AREAS ON THIS PROJECT. THIS ITEM SHALL INCLUDE ANY ADDITIONAL EXCAVATION NEEDED TO INCORPORATE THE TOPSOIL TO MEET FINISH GRADE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS REQUIRED EXCAVATION.

ENVIRONMENTAL

RIGHT-OF-WAY

THE CONTRACTOR SHALL PERFORM ALL WORK WITHIN THE EXISTING TOLEDO AREA METROPARKS RIGHT-OF-WAY.

NOTIFICATION REQUIREMENT

THE CONTRACTOR SHALL COMPLY WITH THE NOTIFICATION REQUIREMENT TIMEFRAMES OUTLINED IN THE OHIO DEPARTMENT OF TRANSPORTATION TRAFFIC ENGINEERING MANUAL PARTS 642-8 AND 642-58 TO ENSURE COMPLIANCE WITH FEDERAL NOTIFICATION REQUIREMENTS.

CONSTRUCTION NOISE

IF REQUIRED BY LOCAL ORDINANCE, A CONSTRUCTION NOISE PLAN NOTE WILL BE ADDED TO THE PLANS BY THE TOLEDO AREA METROPARKS AND IMPLEMENTED BY THE CONTRACTOR DURING CONSTRUCTION.

TREES

NO TREES SHALL BE REMOVED UNDER THIS PROJECT. THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

FLOODPLAIN PERMIT

IF A FLOODPLAIN PERMIT IS REQUIRED, IT SHALL BE ACQUIRED BY THE TOLEDO AREA METROPARKS PRIOR TO ANY WORK WITHIN THE FLOODPLAIN AND THE CONDITIONS SHALL BE FOLLOWED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR.

PAVEMENT

TACK COAT

THE RATE OF APPLICATION OF THE TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.055 GALLONS PER SQUARE YARD OF TACK COAT AND ARE FOR ESTIMATING PURPOSES ONLY.

FEATHER OR BUTT JOINTS

ALL FEATHER OR BUTT JOINTS SHALL BE AS PER O.D.O.T. STANDARD CONSTRUCTION DRAWING BP-3.1 AND IN ADDITION, SHALL INCLUDE A 6" WIDE STRIP OF ASPHALT BINDER 702.01 APPLIED TO THE SURFACE OF THE JOINT. PAYMENT FOR THE ASPHALT BINDER AND ITS APPLICATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 441 ASPHALT CONCRETE SURFACE COURSE, TYPE I, (448), PG 64-22. ALL FEATHERS SHALL BE TAPER EDGE TYPE UNLESS OTHERWISE SPECIFIED.

JOINT SEALERS

ALL REFERENCES TO 705.01 OR 705.02, APPEARING ON THE PLANS OR STANDARD CONSTRUCTION DRAWINGS, SHALL BE CONSIDERED TO READ 705.04.

PAVEMENT REPAIR, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 253 PAVEMENT REPAIR, THIS ITEM ALSO INCLUDES ANY SAW-CUTTING, REMOVAL AND DISPOSAL OF TREE ROOTS AS DIRECTED BY THE ENGINEER. ALL EXCAVATION, TREE ROOT REMOVAL, AND AGGREGATE BASE REPLACEMENT SHALL BE INCLUDED IN THE BID PRICE FOR PAVEMENT REPAIR, AS PER PLAN.

GENERAL NOTES

TOLEDO METROPARKS  
RESURFACING FY2020



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420 MADISON AVENUE, STE. 1001  
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419-255-9500

DESIGNED	KSK
CHECKED	AJL/RJS

GENERAL SUMMARY

ODOT SECTION	DESCRIPTION	UNIT	OAK OPENINGS MAINTENANCE AREA	TOLEDO BOTANICAL GARDEN MAINTENANCE AREA	CONTINGENCY	TOTALS	UNIT
	ROADWAY						
202E23001	PAVEMENT REMOVED, AS PER PLAN	SY	0	0	100	100	SY
203E10000	EXCAVATION	CY	13	73	120	206	CY
203E20000	EMBANKMENT	CY	0	0	10	10	CY
204E10000	SUBGRADE COMPACTION	SY	53	0	100	153	SY
607E35000	FENCE REMOVED AND REBUILT	FT	20	0		20	FT
	PAVEMENT						
253E01001	PAVEMENT REPAIR, AS PER PLAN	SY	0	0	5	5	SY
254E01000	PAVEMENT PLANING, ASPHALT CONCRETE	SY	138	116		254	SY
304E20000	AGGREGATE BASE	CY	9	0	62	71	CY
407E20000	NON-TRACKING TACK COAT	GAL	71	96		167	GAL
441E50000	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	CY	47	67		115	CY
441E50300	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	CY	3	73		76	CY
	LANDSCAPING						
411E10000	STABILIZED CRUSHED AGGREGATE	CY	10	0	10	20	CY
653E10000	TOPSOIL FURNISHED AND PLACED	CY	12	8		20	CY
654E11000	COMMERCIAL FERTILIZER	TON	0.03	0.02		0.05	TON
659E10000	SEEDING AND MULCHING	SY	201	141		342	SY
659E35000	WATER	MGAL	1	1		2	MGAL
	INCIDENTALS						
614E11000	MAINTAINING TRAFFIC	LS					LS
623E10000	CONSTRUCTION LAYOUT STAKES AND SURVEYING	LS					LS
624E10000	MOBILIZATION	LS					LS





OAK OPENINGS METROPARK - 5700 S. BERKEY-SOUTHERN RD, WHITEHOUSE, OH 43571



TOLEDO BOTANICAL GARDEN - TOLEDO, OH 43615