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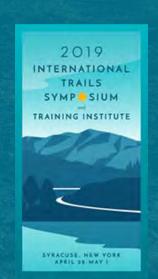


LEARNING OBJECTIVES

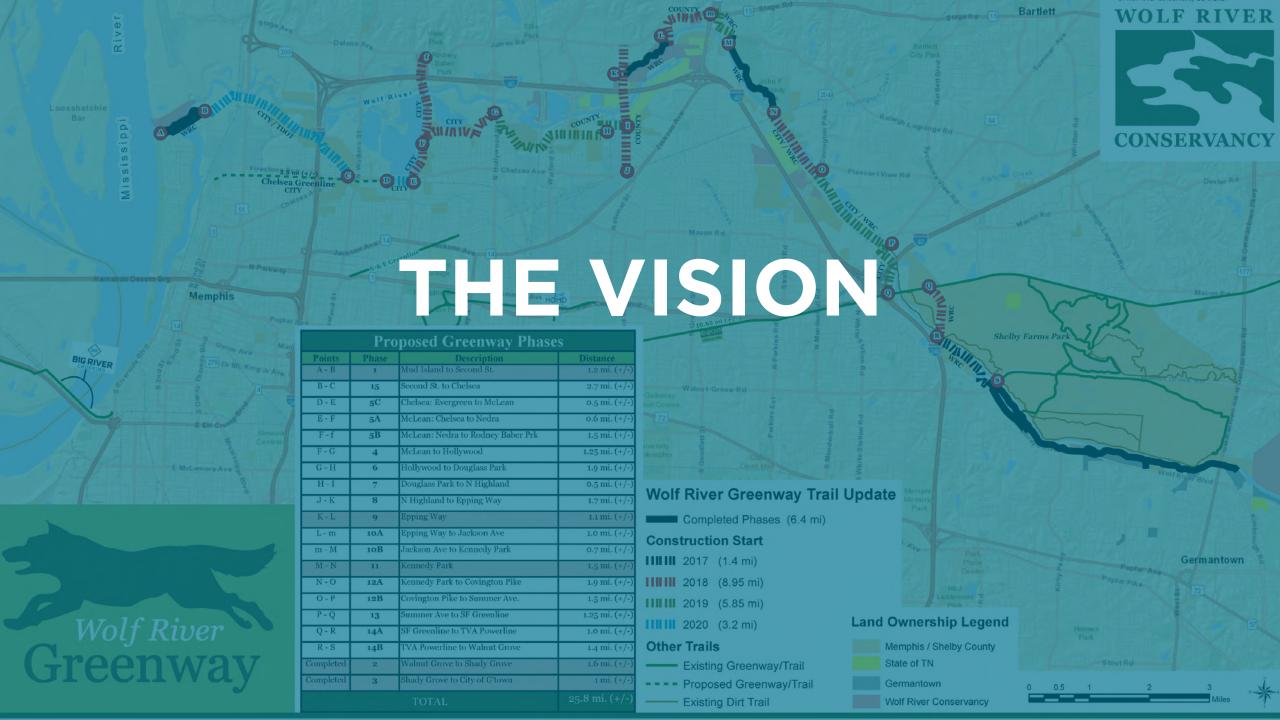
1. How to leverage a variety of investments and partnerships to complete gaps in the trail network.

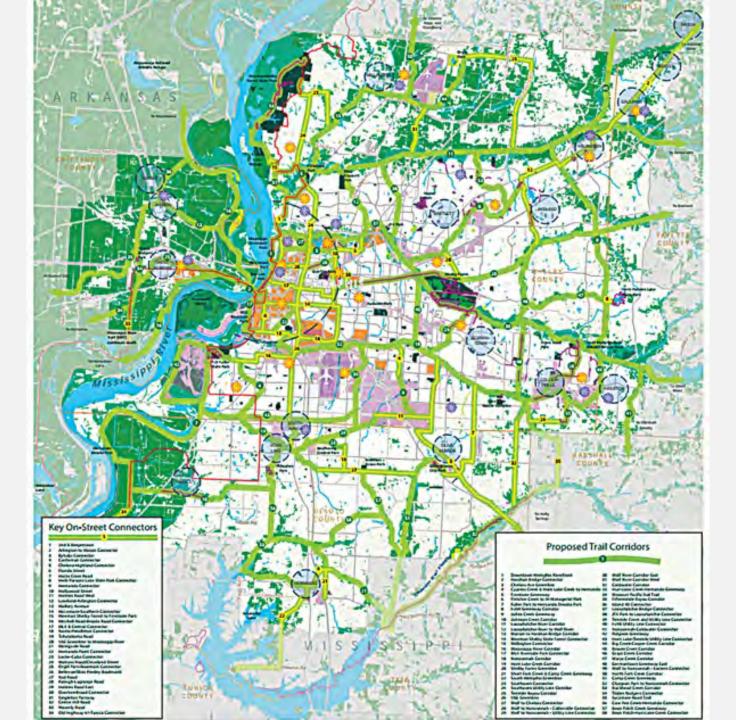
2. How to accomplish the phasing of a project from master plan to construction.

3. How to prepare trail phases for regulatory design reviews and approvals, bidding, and construction based on the type of funding available.











WOLF RIVER GREENWAY





ECONOMIC BENEFIT REPORT





TOTAL BENEFITS

1,126,000 MORE BIKE TRIPS PER YEAR 4,650,000 MORE WALK TRIPS PER YEAR

\$1,467,000 IN HEALTH BENEFITS PER YEAR

\$2,842,000 IN TRANSPORTATION BENEFITS PER YEAR

\$7,185,000 IN ENVIRONMENTAL BENEFITS PER YEAR

\$2,920,000 IN ECONOMIC BENEFITS PER YEAR

over

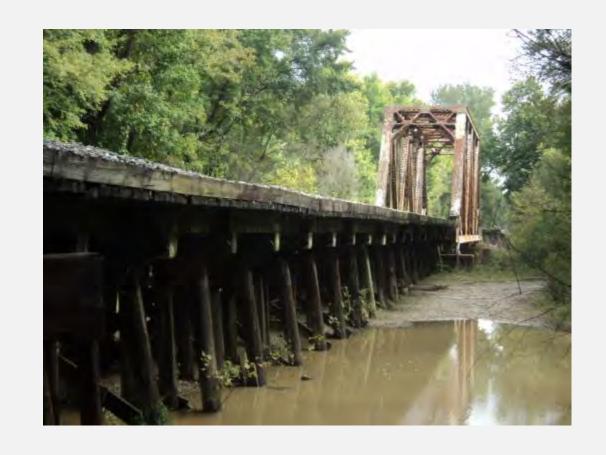
\$14 MILLION

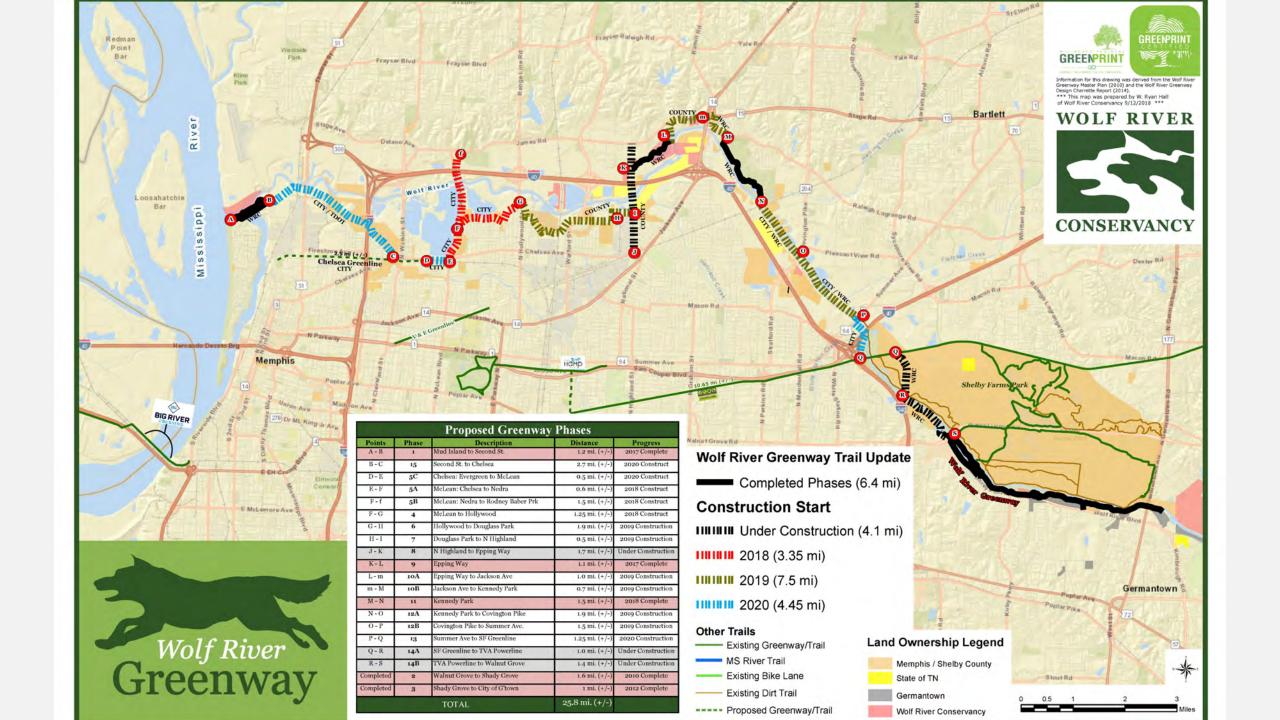
IN TOTAL BENEFITS PER YEAR

AMBITIOUS PLAN

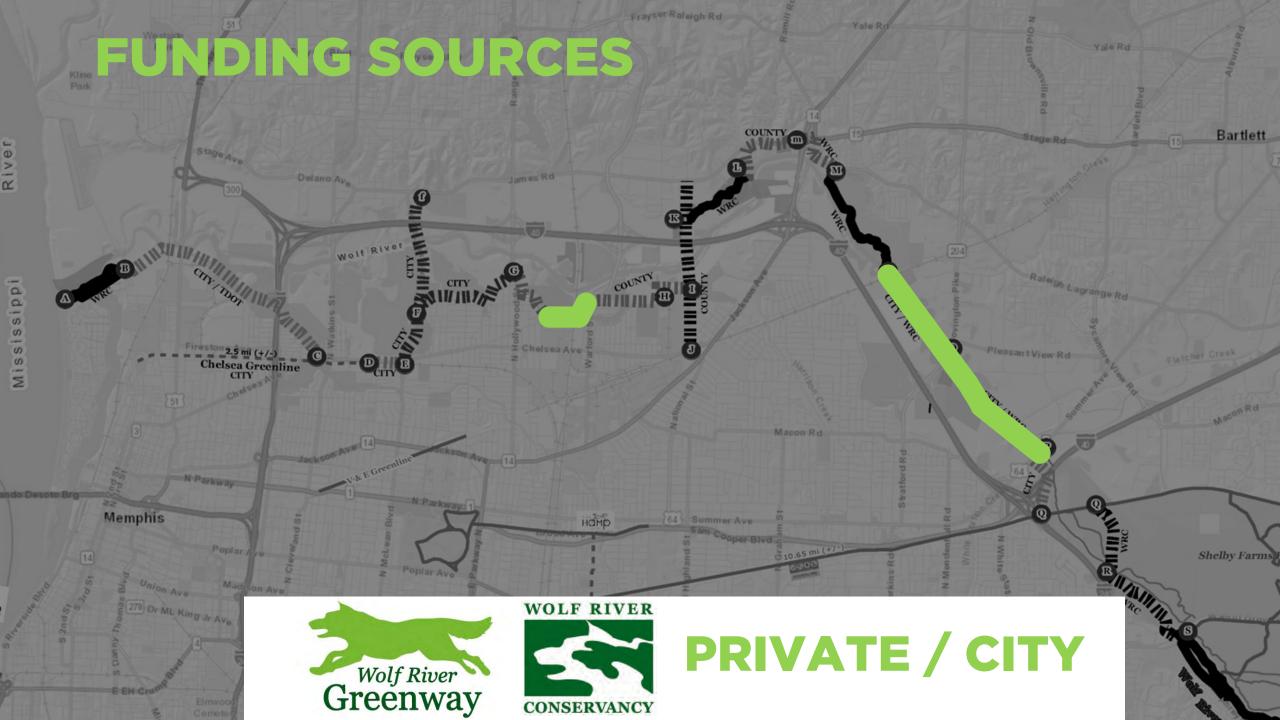
CONCEPT TO OPENING IN 5 YEARS

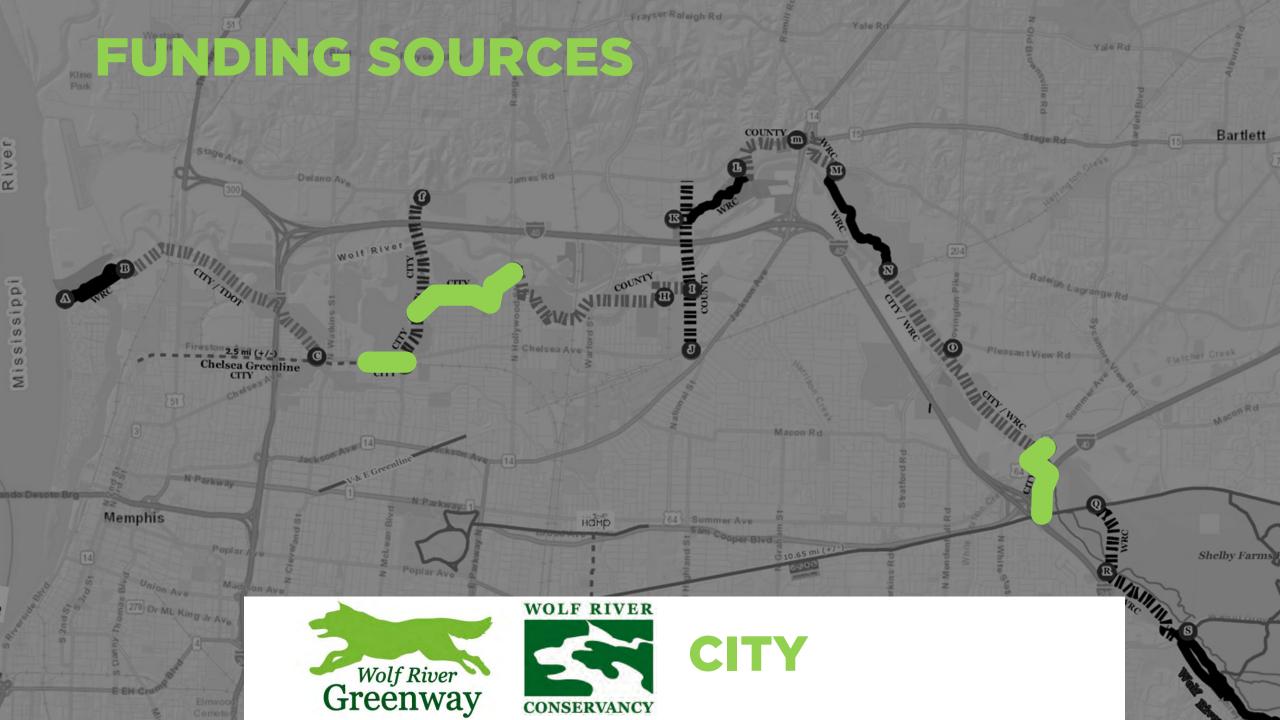
- Challenge Grant (Private)
- Other Foundations Supporting
- Private Donations/Fundraising
- City/County Partnership



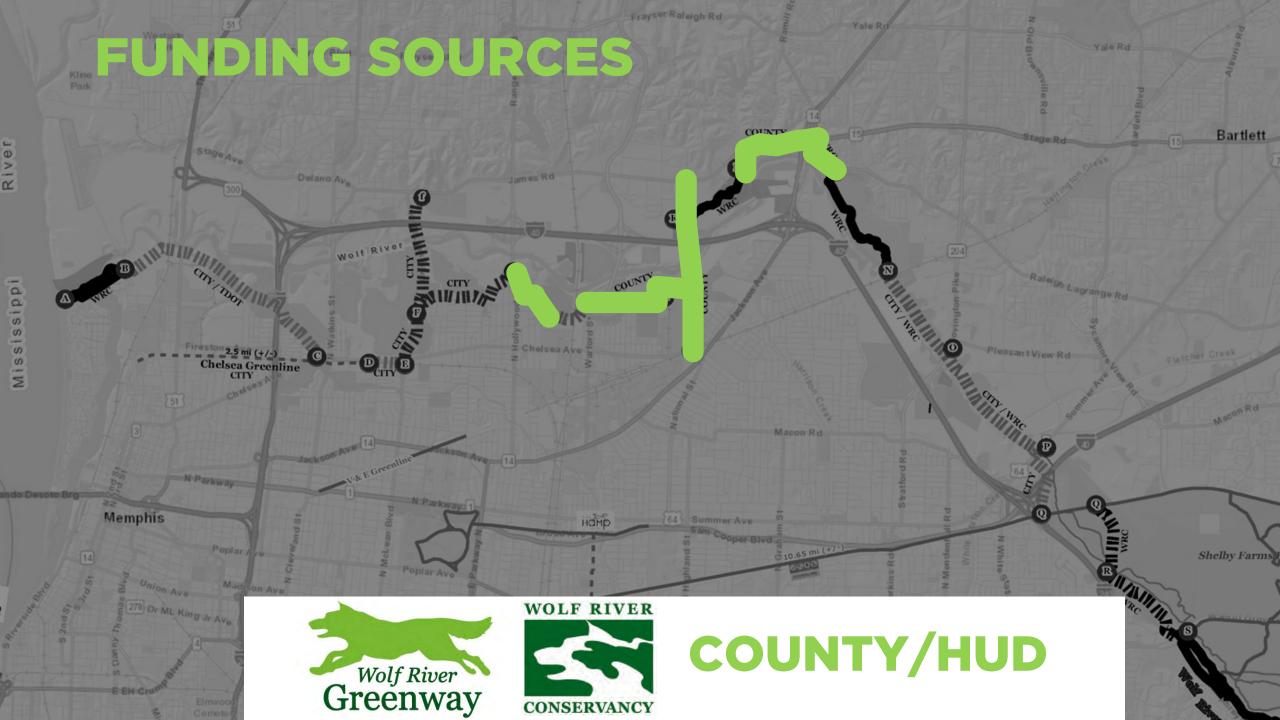


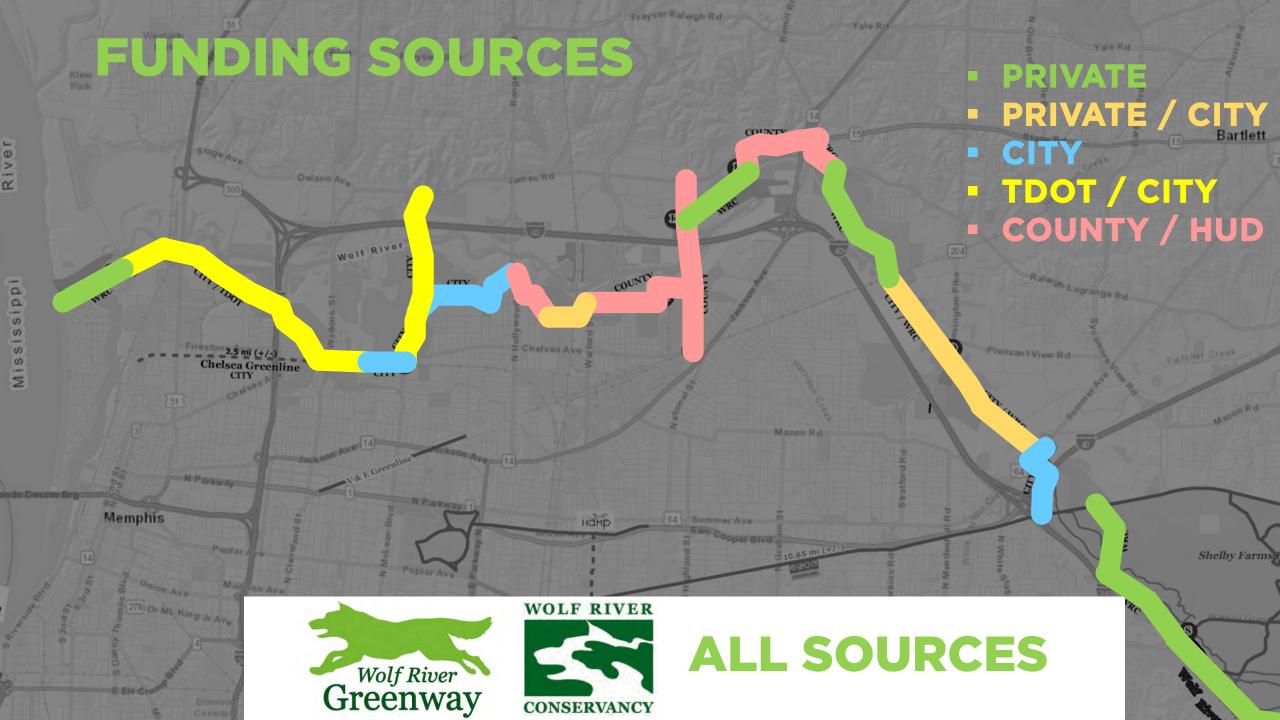












WOLF RIVER GREENWAY CHARRETTE



ROUTE AND ALIGNMENT GUIDELINES

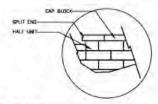
- Experiential
- Feasibility
- Ease of Securing R.OW
- Environmental Compatibility
- Safety and Security
- User Remoteness vs. Integration

- Good Neighbor
- Cost of Construction/Operation
- Long Term Sustainability
- Linkage
- WOW! Factor

DESIGN MANUAL



*GREENWAYS



CAPPING DETAL

GENERAL NOTES FOR CAPPING:

I CAPS SHALL HE SLACED ON ALL WALLS # CAPE SHALL BE ADHERED TO WALL USING CONCRETE ADHERIVE AND PORT MANUFACTURER'S RECOMMENDATIONS

3. WHEN CUITING CAP LINET FOR WALL END DO NOT USE A GAP SECTION LESS THAN

4. CAPS TO BE PLACED WITH A 3/4"

5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FINAL DESIGN OF GEOGRID WALL

ADMERE CAP UNIT TO TOP UNIT FOR MANUFACTURER'S RECOMMENDATIONS GESTEFFILE FABRES (15" MIN. OVERLAP W/ MET BATTER (3/4" -UNDISTURBED NATURAL SOIL - DRAIN TILE 4" DIA DUTLET & END OF WALL OR & ALT CONTERS WIN. SLOPE TO DHAIN (DE) TEXT TE FASSIC

THE INDEPENDENT OF WALL BELIOW RINGSH OFFACE SHALL BE 10".

MA APPLICABLE PROVISIONS OF THE MANAPLACTINGNICE MITTALLATION INSTRUCTIONS AND WRITTEN SPECIFICATIONS.

MALE PRICE STRUCTURE SHALL BE INSTRUCTED FOR WALL TO WRITTEN 10" OF THE TOP OF THE WALL.

THE WALD COMPACT BY WASTE TO THE WALL AS WALL IS REPLACED.

THE CASE OF THE PROOF TO BACKFELLING.

MANAPLE STRUCTURE STRUCTURE OF THE WALL.

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SEGMENTED RETAINING WALL



LADISTURBED NATURAL SOIL.



OPERATION & MANAGEMENT PLAN

FIRST DRAFT

March 15, 2015

WOLF RIVER GREENWAY GOVERNANCE, OPERATIONS and MANAGEMENT PLAN



Submitted to: City of Memphis & The Wolf River Conservancy

> Submitted by: Charles A. Flink, FASLA Alta Planning + Design

MEMORANDUM OF UNDERSTANDING FOR THE MEMPHIS WOLF RIVER GREENWAY AND TRAIL PROJECT BETWEEN CITY OF MEMPHIS DIVISION OF PARKS AND NEIGHBORHOODS, and

WOLF RIVER CONSERVANCY, INC.

1. PURPOSE. The purpose of this Memorandum of Understanding (MOU) between the City of Memphis, through its Division of Parks and Neighborhoods (hereinafter "the City") and the Wolf River Conservancy, Inc. (hereinafter "WRC, referred to collectively as the Memphis Greenway Partnership Group (hereinafter "the Partnership"), is to establish a framework for cooperation upon which the Wolf River Greenway trail system, including any amenities, may be planned, funded, developed and maintained (hereinafter the "Project") as outlined in the Memphis Wolf River Greenway and Trail Master Plan approved by the Memphis City Council in April 2007.

This MOU supersedes the prior MOU between the parties dated December 26, 2009 also referred to as City Contract #26388.

- IJ. PARTNER BACKGROUND. The identities and interests of the Partners are as follows:
 - A. City of Memphis, Division of Parks and Neighborhoods is responsible for the development, operation and maintenance of the City's park and recreation facilities.
 - B. WRC is a 501(c) (3) Tennessee non-profit corporation and land trust committed to the conservation and enhancement of the Wolf River watershed as a sustainable natural resource.
- III. STATEMENT OF MUTUAL INTERESTS AND BENEFITS. The parties enter into this MOU with the goal of developing a public trail for the use, benefit and to promote the safety, health and general welfare of the citizens of Memphis and Shelby County.

Construction of this Project, in the heart of the City and Shelby County, will provide the following benefits:

- A. During a time of increased competition for relocating or expanding businesses, it allows Memphis to join the ranks of progressive communities in attracting forward-thinking global businesses whose leaders value the alternative-transit and recreational opportunities a trail provides for their workers;
- It allows us to connect the diverse neighborhoods in our community; and
- It provides a convenient and safe opportunity for our citizens to exercise,

CONSTRUCTION DOCUMENTS

INDEX OF SHEETS

GENERAL NOTES
DEMOLITION, CLEARING AND GRUBBING PLANS
EXISTING CONDITIONS AND LAYOUT PLANS 9-11 12 - 13 DETAIL LAYOUT PLANS 14 - 22 PLAN AND PROFILE 23 24 - 28 DRAINAGE MAP GRADING AND DRAINAGE PLANS 29 - 34 35 - 40 41 - 46 **EROSION CONTROL PLANS - STAGE 1** EROSION CONTROL PLANS - STAGE 2 EROSION CONTROL PLANS - STAGE 3 47 - 49 **EROSION CONTROL DETAILS** 50 51 SIGNING AND PAVEMENT MARKING PLAN 85' PEDESTRIAN BRIDGE 52 53 - 56 57 58 30' PEDESTRIAN BRIDGE BRIDGE DETAILS 42" CULVERT CROSSING TRAFFIC CONTROL PLAN NOTES
TRAFFIC CONTROL PLAN CONSTRUCTION DETAILS CROSS SECTIONS

THE WOLF RIVER CONSERVANCY and THE CITY OF MEMPHIS

Jim Strickland - Mayor





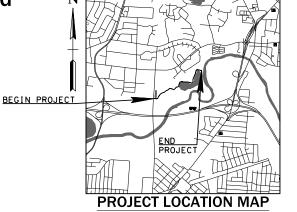


CONSTRUCTION DRAWINGS OF PROPOSED WOLF RIVER GREENWAY TRAIL

CITY PROJECT NUMBER: 15P198B.09

MARCH 7, 2016

WOLF RIVER GREENWAY, PHASE 9 EPPING WAY

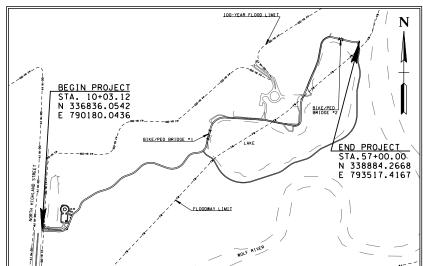


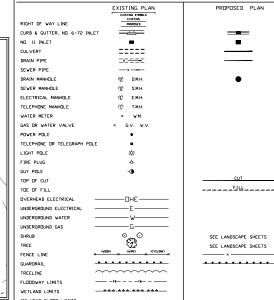
SCALE: 1"= 2.000'

LEGEND

Project Site Map

SCALE: 1"= 300



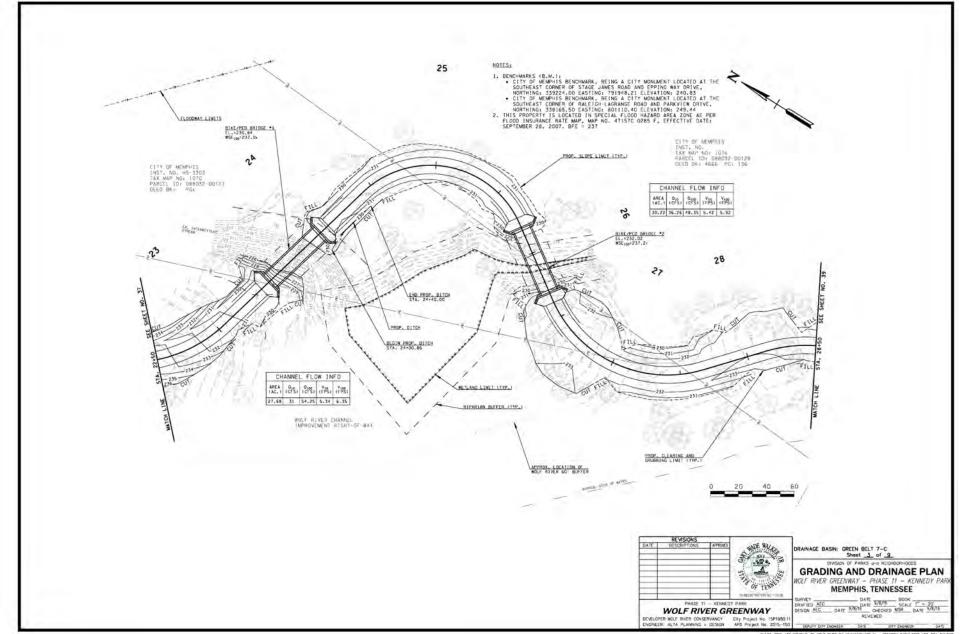


60' WATER BUFFER

BID SET No.____



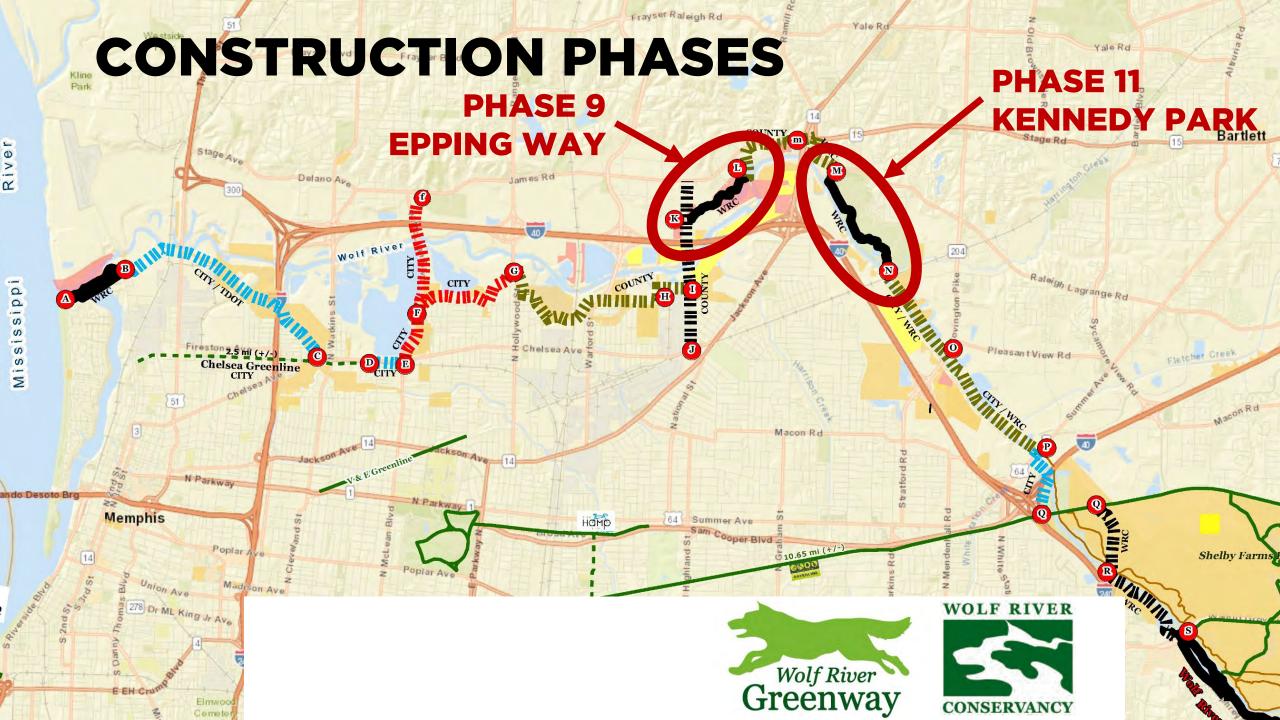
CONSTRUCTION DOCUMENTS











PHASE 9 - EPPING WAY

COMPLETED DECEMBER, 2017

- 1. 12' wide asphalt trail with 1' gravel shoulders.
- 2. Two pedestrian bridges (30' & 85' long).
- 3. Two culvert crossings (18" and 30" diameter pipes).
- 4. Access from Highland Street and Epping Way Drive cul-de-sac.





























PHASE 11 - KENNEDY PARK

COMPLETED SEPTEMBER, 2018

- 1. 12' wide asphalt trail with 1' gravel shoulders.
- 2. Six pedestrian bridges (4 x 50', 109' and 135' long).
- 3. Three culvert crossings (18", 30", and 36" dia. pipes).
- 4. Access from Kennedy Park and Raleigh Lagrange Road.









































THANK YOU!

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