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# ***US Highway 90 Multi-Use Path Study***



***March 2017***

***Prepared for***

Jackson County Board of Supervisors  
2915 Canty Street  
Pascagoula, MS 39567

***Prepared by:***

 **NEEL-SCHAFFER**



# CONTENTS

1.0	Introduction and Summary .....	1
1.1	Purpose .....	1
2.0	Existing Conditions .....	2
2.1	Project Corridor.....	2
2.2	Cross Section .....	2
2.3	Adjacent Development/Land Use .....	2
2.4	Community Connections.....	4
3.0	Proposed Multi-Use Path .....	4
3.1	Typical Section .....	4
3.2	Alignment.....	7
3.3	Preliminary Estimate of Cost .....	9
3.4	Public Involvement.....	10
4.0	Recommendations and Conclusions.....	11
Appendix .....		12

## LIST OF TABLES

No.	Title	Page
1	Preliminary Estimate of Costs .....	10

## LIST OF FIGURES

No.	Title	Page
1	Vicinity Map .....	3
2	Proposed Typical Section.....	5
3A	Multi-Use Path Rendering – East View .....	6
3B	Multi-Use Path Rendering – West View.....	7

### Appendix

- Preliminary Estimate of Cost Detail Tables A1-A2
- Gautier Public Meeting: Comment Summary, Sign-in Sheet, Comment Cards
- Ocean Springs Public Meeting: Comment Summary, Sign-in Sheet, Comment Cards
- Conceptual Design Plans: Index & Figures 1-17

## **1.0 Introduction and Summary**

This report summarizes the findings of a multi-use path study performed by Neel-Schaffer, Inc. as requested by the Jackson County Board of Supervisors to evaluate the proposed construction of a multi-use path within the US Highway 90 right-of-way. The project includes stakeholders from Gulf Regional Planning Commission (GRPC), Mississippi Department of Transportation (MDOT), City of Gautier, City of Ocean Springs and Jackson County.

### **1.1 Purpose**

The purpose of this analysis was to identify a conceptual alignment for a proposed multi-use path along the US Highway 90 corridor in Jackson County and to get public input on the conceptual design of the multi-use path from the affected communities. The multi-use path is intended to be part of the MDOT construction project that MDOT currently has under design for widening US Highway 90 between Ocean Springs and Gautier. A cross section for the trail was developed, along with planned connections to recreational features in the adjacent communities, public meetings were held and cost estimates were developed to identify the anticipated project related costs.

Bicycles can play an important role in transportation, if properly accommodated in the design process. All roads and streets that do not prohibit bicyclists should include bicyclists in the design process. The traffic volumes and operating speeds on US Highway 90 make the roadway an unsafe location for bicyclists. A separate multi-use path would provide a much safer alternative to accommodate bicyclists within the study corridor. The development of a multi-use path would provide a means for bicyclists and pedestrians to make recreational, shopping and commuting trips to adjacent residential, school, retail and office land uses.

## 2.0 Existing Conditions

### 2.1 Project Corridor

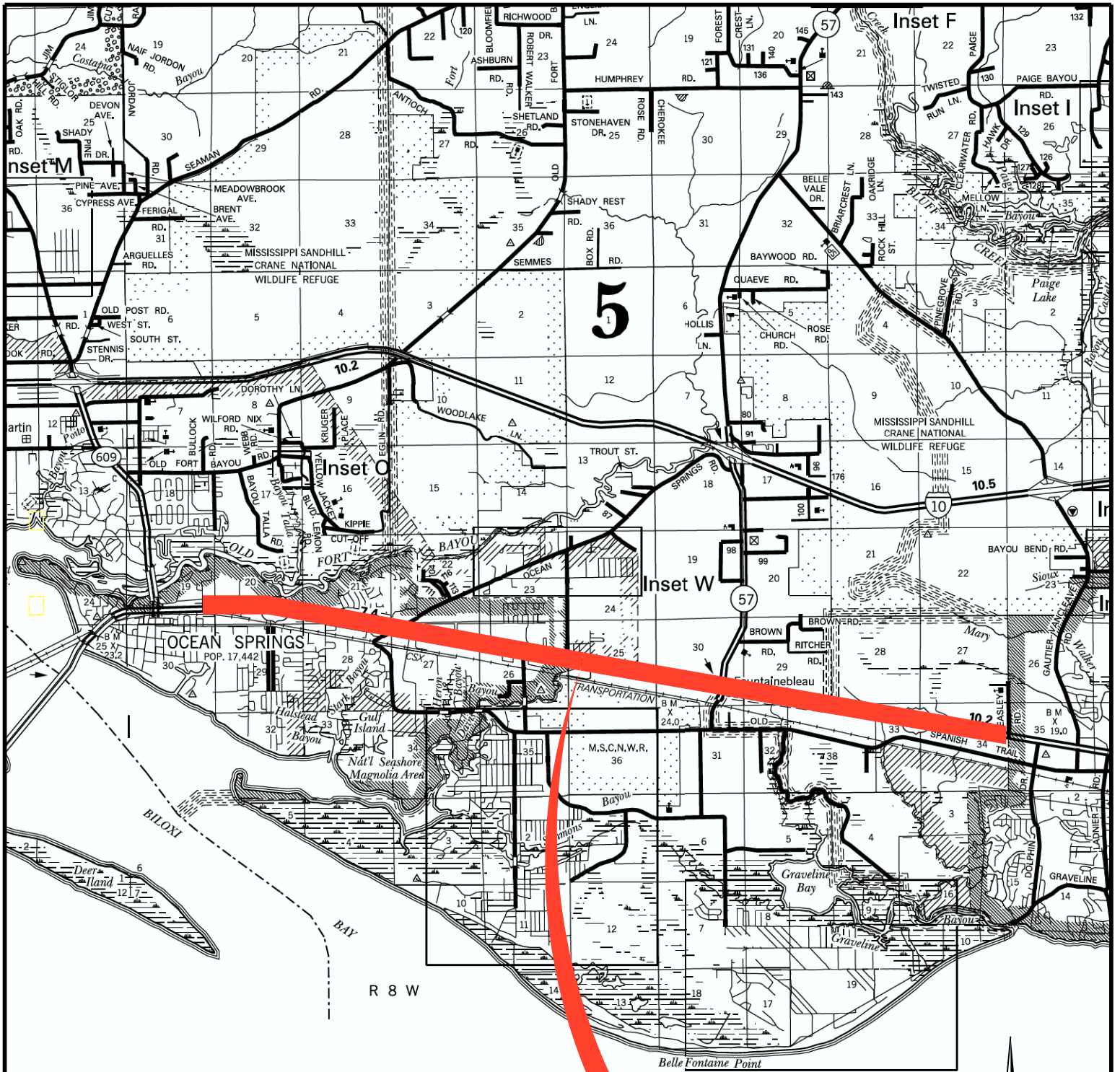
The project corridor on US Highway 90 is currently a four-lane divided roadway that is classified as a Principal Arterial roadway for the 79 miles across coastal Mississippi. The MDOT roadway widening project is planned to widen approximately 10 miles of US Highway 90 from four lanes to six lanes within the existing right-of-way between Vermont Street in Ocean Springs and Dolphin Drive in Gautier. This section of roadway has existing 6-lane cross sections on each end of the project corridor. The location of the project corridor is shown graphically in **Figure 1**.

### 2.2 Cross Section

The existing section of roadway is consistent with 220 ft of existing right-of-way throughout the project limits. The existing roadway is primarily a four lane divided roadway with a 30 ft grassed center median, two 12 ft travel lanes in each direction and a 6ft-8ft paved shoulder. Some areas of the project corridor have two-way frontage roads separated from the mainline US Highway 90 travel lanes by grassed, open ditches.

### 2.3 Adjacent Development/Land Use

West of Hanshaw Road ( $\pm 3.7$  miles) is primarily retail development with very closely spaced driveways and most of the property developed with direct access to US Highway 90 or to a frontage road. Between Hanshaw Road and MS Highway 57 ( $\pm 2.3$  miles), there are more residential developments and roadways accessing residential subdivisions, with some scattered retail/commercial development and many vacant, undeveloped parcels. The CSX Railroad tracks run parallel to US Highway 90, approximately 800 ft to the south, limiting access to this property. East of Highway 57, ( $\pm 2.9$  miles) there are two gas stations, the County Soccer Complex and Shell Landing residential subdivision before you get into the more developed portions of Gautier at Mallett Brothers Construction. This section of the project is mostly undeveloped property with the primary land owner as Walnut Acquisition Corp, which owns most of the property on the north side of US Highway 90 in this area. East of Mallett Brothers to Dolphin Drive ( $\pm 0.75$  miles) is primarily retail/commercial development.



**JACKSON COUNTY**  
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**PROJECT  
LOCATION**



## 2.4 Community Connections

The proposed multi-use path would have the potential to connect to many of the existing community destinations, providing for a recreational opportunity to allow walking or cycling to many adjacent parks, schools or public buildings/property. Adjacent community attractions include:

State Trust Land – North of US Highway 90 between Bechtel Blvd and Halstead Road

Twelve Oaks – North of US Highway 90, accessed via Hanley Road

Greyhound Stadium – South of US Highway 90, east of Hanley Road

Gulf Islands National Seashore – South of US Highway 90, Park Road intersects Hwy 90

Vietnam Veterans Memorial Pathway - South of US Highway 90 adjacent to Civic Center

Ocean Springs Civic Center - South of US Highway 90, west of Deana Drive

Ocean Springs Middle School – South of US Highway 90 on Hanshaw Road

Ocean Springs Sports Complex – North of US Highway 90 on MS Hwy 57

Ocean Springs High School – South of US Highway 90 on MS Hwy 57

Jackson County Soccer Complex – North of US Highway 90 on Audubon Lane

Gautier City Hall – North of US Highway 90, east of Beasley Road

Gautier Multi-Use Path – North of US Highway 90, east of Beasley Road

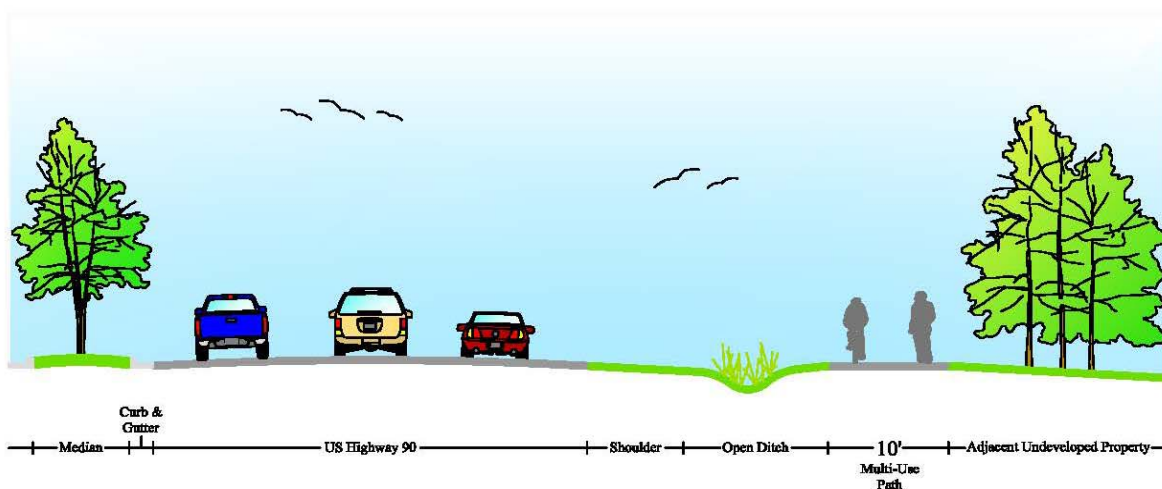
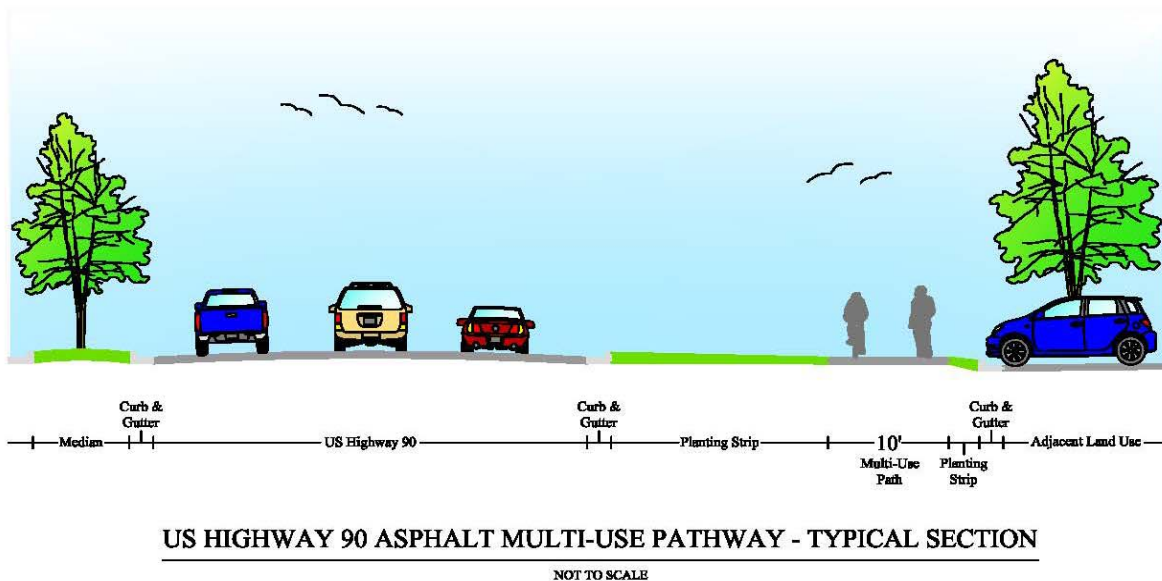
## 3.0 Proposed Multi-Use Path

### 3.1 Typical Section

The proposed typical section of the bicycle facility was primarily based on the available right-of-way width, the topography within the right-of-way, historical traffic volumes, and posted speed limits. A bicycle lane adjacent to automobile traffic is likely to attract the experienced and confident bicyclists but not attract the casual and less confident riders. Providing a bicycle path separated from the high speed, high volume roadway, is anticipated to attract a much larger percentage of the public and appeal to the casual and less confident riders as well as the experienced and confident cyclists. A separated, two-direction, multi-use path was selected as the preferred alternate to attract a greater percentage of the cycling public, as well as appeal to pedestrians equally. To help reduce costs, asphalt was chosen as the proposed primary material for the multi-use path. However, at many driveway crossings, concrete may have to be used to match the driveway material. Many driveways are likely to require reconstruction where the path crosses an existing driveway to maintain a maximum cross slope of 2%, meeting ADA criteria.



The proposed typical section for the multi-use path was identified to be 10 ft in width, meeting the minimum criteria outlined in the AASHTO *Guide for the Development of Bicycle Facilities*, 4<sup>th</sup> Edition, as the minimum width for a two-directional shared use path. The path is recommended to primarily be located at the right-of-way limits, providing the maximum buffer between the existing Highway 90 automobile travel lanes and the multi-use path. Where open drainage ditches exist, the path is recommended to be separated from the travel lanes by the existing ditches. The path alignment is recommended to provide some horizontal curves, allowing a “meandering” path through some of the more rural, undeveloped areas. The proposed typical section is shown in **Figure 2**.



**Figure 2 – Proposed Typical Section**

The proposed multi-use path was drawn on existing photographs of the study corridor to develop renderings of what the conceptual trail would look like within the existing right-of-way. The renderings are shown in **Figures 3A and 3B**.



**Figure 3A – Multi-Use Path Rendering –East View**





**Figure 3B – Multi-Use Path Rendering – West View**

### 3.2 Alignment

The proposed location of the path was evaluated throughout the study corridor. Adjacent land uses, community attractions, drainage channels, presence/absence of frontage roads, existing above ground utilities and density of driveways were major factors in evaluating the proposed alignment of the path within the existing right-of-way. Some locations were identified to include multi-use paths on both the north and south sides of US Highway 90, while others were recommended to provide the trail on one-side only. Crossings of US Highway 90 were evaluated and recommended to only occur at signalized intersections.

The corridor was split into four major sections, including:

**Ocean Springs Urban Section: Station 88+40 to 333+00 (24,460 LF/4.6 miles)**

The western start of the project is at Vermont Street, where the 3 eastbound lanes on US Highway 90 currently drop to two eastbound lanes. There is consistent development along US Highway 90 east of Vermont to Lakeview Drive. East of Lakeview Drive, development is more spread out near the eastern city limits at MS Highway 57. Commercial businesses line both sides of US Highway 90 with very closely spaced driveways in this urbanized area of US Highway 90. Some sections of US Highway 90 have parallel frontage road segments between:

- Vermont Ave to Holcomb Blvd – north side (of US Highway 90)
- E. of Rue Maurepas to west of Holcomb Blvd – south side
- Seashore Plaza (W. of Hanley) to Woody’s (W. of Ocean Springs Rd) – south side
- Ocean Springs Road to west of Oakleigh Road – north side
- Hanshaw Road to Davis Bayou Circle – south side

The frontage roads take up a significant amount of the existing right-of-way and limits opportunities to include a multi-use path without acquiring more right-of-way and/or affecting existing businesses or utilities. Between Bechtel Boulevard and Hanshaw Road, the proposed multi-use path is considered for both sides of US Highway 90, connecting to existing Frontage Roads and *sharing the road* on these discontinuous Frontage Roads. Crossings of Highway 90 are limiting to existing locations of signalized intersections. The number of driveways crossed by the multi-use path affects the project costs, as these crossings must be less than 2% cross slope to meet ADA standards. Most of these driveways will require reconstruction to meet these threshold ADA limits. Due to the volume of commercial driveways and existing Frontage Roads, the multi-use path was recommended to initiate at Bechtel Boulevard (Sta 129+00) and extend east (20,400 LF/3.9 miles in this Section).

**Ocean Springs – Rural Section: Station 333+00 to 406+00 (7,300 LF/1.4 miles)**

Retail/Commercial development along this eastern section of US Highway 90 within Ocean Springs is much more spread out, with approximately 7 businesses, 2 churches and a single family home in this area. Multiple lift stations exist within this 1.4 mile section of roadway. The lack of driveways and development make accommodating a multi-use path relatively easy in this section. The multi-use path is proposed to be constructed within the existing right-of-way on the north side of US Highway 90 in this section. A crossing of US Highway 90 can be accommodated at the existing traffic signal at the intersection of US Hwy 90/MS Hwy 57.

**Gautier – Rural Section: Station 406+00 to 555+00 (14,900 LF/2.8 miles)**

This west section of US Highway 90 in Gautier has two gas stations, the Jackson County Soccer Complex and the entrance for Shell Landing. Similar to the rural area of east Ocean Springs, the lack of development makes accommodating the path reasonably easy within the 220 ft of right-of-way. The multi-use path is proposed to be constructed within the existing right-of-way on the north side of US Highway 90 in this section.

**Gautier – Urban Section: Station 555+00 to 581+00 (2,600 LF/0.5 miles)**

The east end of the trail is proposed to connect to the existing multi-use path that currently terminates at City Hall, just east of Beasley Road, on the north side of US Highway 90. There are approximately 6 businesses east of Mallette Brothers Construction, a couple of vacant lots, and 13 driveways along the north side of the road. The right-of-way in front of Mallette Brothers has a portion of a frontage road that is shown to be removed as part of the roadway project, leaving two driveways connecting Mallette Brothers with US Highway 90 and no frontage road. The multi-use path can be accommodated reasonably easily within the existing right-of-way. The multi-use path is proposed to be constructed within the existing right-of-way on the north side of US Hwy 90 in this section and connect to the existing path in front of Gautier City Hall.

### 3.3 Preliminary Estimate of Cost

Cost estimates were developed for the proposed trail. The typical section is recommended to include a 6" base of crushed limestone with 4" of asphalt. Experience with trails with two inches of asphalt have developed significant cracking issues. Trails with 4" of asphalt have been much more reliable with less cracking and are more durable, as less maintenance has been required.

While the design plans that were provided for US Highway 90 work show many of the existing driveways in bold, indicating reconstruction, the planned level of reconstruction of these driveways is unknown. Trail crossings of these driveway connections is restricted to a maximum cross slope of 2% to meet ADA standards. For this reason, the cost estimate was prepared from a conservative standpoint, which would require that a 20 ft wide section of each driveway was sawcut out, concrete removed, and new driveway poured. The new driveway pour would include the 10 ft path with less than a 2% cross slope and the remaining 5 ft of width on each side of the path would make up the remaining grade difference.

The detail of the trail costs were summarized for each of the four geographic areas identified in **Table 1**. A more detailed summary of the costs are provided in the Appendix.

Table 1 – Preliminary Estimate of Project Costs

Section	Total Project Costs		Length of Trail (Miles)
	w/ Driveway work	w/o Driveway Work	
Ocean Springs - Urban	\$4,475,000	\$3,571,000	4.26
Ocean Springs - Rural	\$1,111,000	\$1,053,000	1.47
Gautier - Rural	\$2,166,000	\$2,121,000	2.55
Gautier - Urban	\$646,000	\$578,000	0.53
Total	\$8,398,000	\$7,323,000	8.81

Note: Cost does not include easements, lighting, landscaping or trail amenities.  
 Source: Neel-Schaffer, 2017.

### 3.4 Public Involvement

Public meetings were coordinated with Jackson County Board of Supervisors, City of Gautier and City of Ocean Springs. Presentations were made to the Jackson County Board of Supervisors at the board meeting on October 3, 2016, to the Mayor & City Council at Gautier City Hall on October 4, 2016, and to the Mayor & Board of Aldermen at Ocean Springs on October 18, 2016. Following these meetings, public meetings were advertised to be held in Gautier and Ocean Springs for citizens to attend and provide comments about the proposed trail and to view the conceptual trail plans.

The first public meeting was held from 5:00-7:00 PM on November 2, 2016, at the Gautier Community Center. The second public meeting was held from 5:00-7:00 PM on November 3, 2016, at the Ocean Springs Civic Center. All of the people that attended the meetings and completed comment cards supported the construction of the multi-use path. The comment cards, sign-in sheets and summary of comments are provided in the Appendix.

## **4.0 Recommendations and Conclusions**

Nationwide, people are recognizing the convenience, energy efficiency, cost effectiveness, health benefits, economic development, and environmental advantages of bicycling (AASHTO Guide for the Development of Bicycle Facilities). The US Highway 90 corridor is not currently a safe place for pedestrians or bicyclists to travel due to the high speeds and high traffic volumes and lack of dedicated space for bicyclists and pedestrians. With the proposed widening of US Highway 90 from four to six lanes, the construction of a multi-use path is recommended to accommodate bicyclists and pedestrians to allow recreational and commuting opportunities for the communities bisected by this principal arterial roadway. Conceptual design plans for the proposed alignment of the trail have been developed, shown to the public at two public meetings in Jackson County and are provided as part of the Appendix of this report.



# APPENDIX

Table A1-Preliminary Estimate of Cost  
 Jackson County Multi-Use Path  
 US Highway 90 Corridor

Sheet	Begin (Sta)	End (Sta)	Distance	Side of 90	Crossed Driveways	Average DW Width	Crosswalks	Bridge (ft)	10 ft		2.5 in		1.5 in		6 in		20 ft		1 ft		2 ft	
									Path Length (Ft)	Path Area (SY)	19 mm Asphalt (tons)	9.5 mm Asphalt (tons)	Crushed Limestone (CY)	Concrete Sawcut	Concrete Removal (SY)	New DW (SY)	Excess Excavation	Borrow Excavation	24" RCP Class III (LF)	Frontage Rd Length	Cross Rd Width	
1	130	154	2,400	N	3	40		50	2,230	2,478	341	205	413	240	267	267	826	1,652	150	0	0	
1	130	154	2,400	S	24	40	225	0	1,410	1,567	216	130	262	1,920	2,133	2,133	523	1,045	150	0	30	
2	154	182.5	2,850	N	17	35	465	50	2,115	2,350	324	194	392	1,190	1,322	294	784	1,567	150	0	90	
2	154	182.5	2,850	S	0			50	120	134	19	12	23	0	0	0	45	90	50	2,680	0	
3	182.5	210.5	2,800	N	11	35	270	0	2,285	2,539	350	210	424	770	856	190	847	1,693	150		130	
3	182.5	210.5	2,800	S	2	35	80	0	850	945	130	78	158	140	156	35	315	630	50	1,800	80	
4	210.5	238.5	2,800	N	0	0	210	0	330	367	51	31	62	0	0	0	123	245	50	2,400	70	
4	210.5	238.5	2,800	S	13	35	40	0	2,315	2,573	354	213	429	910	1,011	225	858	1,716	150		30	
5	238.5	266.5	2,800	N	6	30	90	0	2,305	2,562	353	212	427	360	400	89	854	1,708	125	230	85	
5	238.5	266.5	2,880	S	14	40	0	0	2,320	2,578	355	213	430	1,120	1,244	276	860	1,719	150	0	0	
6	266.5	294.5	2,800	N	11	40	320	90	2,175	2,417	333	200	403	880	978	217	806	1,612	150	0	95	
6	266.5	294.5	2,800	S	5	30	100	0	1,550	1,723	237	143	288	300	333	74	575	1,149	150	1,000	100	
7	294.5	322.5	2,800	N	3	30	170	40	2,500	2,778	382	230	463	180	200	44	926	1,852	200	0	170	
8	322.5	350.5	2,800	N	8	30	65	0	2,495	2,773	382	229	463	480	533	118	925	1,849	150	0	65	
9	350.5	378.5	2,800	N	2	30	0	35	2,705	3,006	414	248	501	120	133	30	1,002	2,004	150	0	0	
10	378.5	406.5	2,800	N	3	35	130	0	2,565	2,850	392	236	475	210	233	52	950	1,900	200	0	130	
11	406.5	434.5	2,800	N	3	45	160	0	2,645	2,939	405	243	490	270	300	67	980	1,960	200	0	20	
12	434.5	462.5	2,800	N	1	30	0	45	2,725	3,028	417	250	505	60	67	15	1,010	2,019	150	0	0	
13	462.5	490.5	2,800	N	1	30	25	0	2,745	3,050	420	252	509	60	67	15	1,017	2,034	250	0	25	
14	490.5	518.5	2,800	N	3	30	0	50	2,660	2,956	407	244	493	180	200	44	986	1,971	200	0	0	
15	518.5	546.5	2,800	N	1	30	0	60	2,710	3,012	415	249	502	60	67	15	1,004	2,008	200	0	0	
16	546.5	574.5	2,800	N	11	35	0	60	2,355	2,617	360	216	437	770	856	190	873	1,745	200	0	0	
17	574.5	580.5	600	N	2	45	45	35	425	473	66	40	79	180	200	44	158	316	100	0	50	
<b>Subtotal</b>			61,580		144			565	46,535	51,715	7,123	4,278	8,628	10,400	11,556	4,434	17,247	34,484	3,475	8,110	1,170	

Source: Neel-Schaffer, 2017.

8.8 miles

Table A2-Preliminary Estimate of Cost  
 Jackson County Multi-Use Path  
 US Highway 90 Corridor

Sheet	Begin (Sta)	End (Sta)	Distance	Side of 90	per SF \$7	per LF \$1,250	Ton \$120	Ton \$105	CY \$85	LF \$5	SY \$10	SY \$100	LF \$100	CY \$15	CY \$20	Subtotal	Subtotal w/o Concrete
1	130	154	2,400	N	\$0	\$62,500	\$40,920	\$21,525	\$35,105	\$1,200	\$2,670	\$26,700	\$15,000	\$12,390	\$33,040	\$251,050	\$220,480
1	130	154	2,400	S	\$7,875	\$0	\$25,920	\$13,650	\$22,270	\$9,600	\$21,330	\$213,300	\$15,000	\$7,845	\$20,900	\$357,690	\$113,460
2	154	182.5	2,850	N	\$16,275	\$62,500	\$38,880	\$20,370	\$33,320	\$5,950	\$13,220	\$29,400	\$15,000	\$11,760	\$31,340	\$278,015	\$229,445
2	154	182.5	2,850	S	\$0	\$62,500	\$2,280	\$1,260	\$1,955	\$0	\$0	\$0	\$5,000	\$675	\$1,800	\$75,470	\$75,470
3	182.5	210.5	2,800	N	\$9,450	\$0	\$42,000	\$22,050	\$36,040	\$3,850	\$8,560	\$19,000	\$15,000	\$12,705	\$33,860	\$202,515	\$171,105
3	182.5	210.5	2,800	S	\$2,800	\$0	\$15,600	\$8,190	\$13,430	\$700	\$1,560	\$3,500	\$5,000	\$4,725	\$12,600	\$68,105	\$62,345
4	210.5	238.5	2,800	N	\$7,350	\$0	\$6,120	\$3,255	\$5,270	\$0	\$0	\$0	\$5,000	\$1,845	\$4,900	\$33,740	\$33,740
4	210.5	238.5	2,800	S	\$1,400	\$0	\$42,480	\$22,365	\$36,465	\$4,550	\$10,110	\$22,500	\$15,000	\$12,870	\$34,320	\$202,060	\$164,900
5	238.5	266.5	2,800	N	\$3,150	\$0	\$42,360	\$22,260	\$36,295	\$1,800	\$4,000	\$8,900	\$12,500	\$12,810	\$34,160	\$178,235	\$163,535
5	238.5	266.5	2,880	S	\$0	\$0	\$42,600	\$22,365	\$36,550	\$5,600	\$12,440	\$27,600	\$15,000	\$12,900	\$34,380	\$209,435	\$163,795
6	266.5	294.5	2,800	N	\$11,200	\$112,500	\$39,960	\$21,000	\$34,255	\$4,400	\$9,780	\$21,700	\$15,000	\$12,090	\$32,240	\$314,125	\$278,245
6	266.5	294.5	2,800	S	\$3,500	\$0	\$28,440	\$15,015	\$24,480	\$1,500	\$3,330	\$7,400	\$15,000	\$8,625	\$22,980	\$130,270	\$118,040
7	294.5	322.5	2,800	N	\$5,950	\$50,000	\$45,840	\$24,150	\$39,355	\$900	\$2,000	\$4,400	\$20,000	\$13,890	\$37,040	\$243,525	\$236,225
8	322.5	350.5	2,800	N	\$2,275	\$0	\$45,840	\$24,045	\$39,355	\$2,400	\$5,330	\$11,800	\$15,000	\$13,875	\$36,980	\$196,900	\$177,370
9	350.5	378.5	2,800	N	\$0	\$43,750	\$49,680	\$26,040	\$42,585	\$600	\$1,330	\$3,000	\$15,000	\$15,030	\$40,080	\$237,095	\$232,165
10	378.5	406.5	2,800	N	\$4,550	\$0	\$47,040	\$24,780	\$40,375	\$1,050	\$2,330	\$5,200	\$20,000	\$14,250	\$38,000	\$197,575	\$188,995
11	406.5	434.5	2,800	N	\$5,600	\$0	\$48,600	\$25,515	\$41,650	\$1,350	\$3,000	\$6,700	\$20,000	\$14,700	\$39,200	\$206,315	\$195,265
12	434.5	462.5	2,800	N	\$0	\$56,250	\$50,040	\$26,250	\$42,925	\$300	\$670	\$1,500	\$15,000	\$15,150	\$40,380	\$248,465	\$245,995
13	462.5	490.5	2,800	N	\$875	\$0	\$50,400	\$26,460	\$43,265	\$300	\$670	\$1,500	\$25,000	\$15,255	\$81,360	\$245,085	\$242,615
14	490.5	518.5	2,800	N	\$0	\$62,500	\$48,840	\$25,620	\$41,905	\$900	\$2,000	\$4,400	\$20,000	\$14,790	\$39,420	\$260,375	\$253,075
15	518.5	546.5	2,800	N	\$0	\$75,000	\$49,800	\$26,145	\$42,670	\$300	\$670	\$1,500	\$20,000	\$15,060	\$40,160	\$271,305	\$268,835
16	546.5	574.5	2,800	N	\$0	\$75,000	\$43,200	\$22,680	\$37,145	\$3,850	\$8,560	\$19,000	\$20,000	\$13,095	\$34,900	\$277,430	\$246,020
17	574.5	580.5	600	N	\$1,575	\$43,750	\$7,920	\$4,200	\$6,715	\$900	\$2,000	\$4,400	\$10,000	\$2,370	\$6,320	\$90,150	\$82,850
<b>Subtotal</b>			61,580		\$83,825	\$706,250	\$854,760	\$449,190	\$733,380	\$52,000	\$115,560	\$443,400	\$347,500	\$258,705	\$730,360	\$4,774,930	\$4,163,970

Source: Neel-Schaffer, 2017.

Concrete \$610,960

Clearing & Grubbing	5%	\$239,000	\$208,000
Mobilization	10%	\$477,000	\$416,000
Maintenance of Traffic	5%	\$239,000	\$208,000
Contingencies	20%	\$955,000	\$833,000
Erosion Control	3%	\$143,000	\$125,000

*\*Opinion of probable Construction Cost does not include, easements, lighting, landscaping or other trail amenities.*

Engineer's opinions of probable Construction Cost provided for herein are to be made on the basis of experience and qualifications and represent Engineer's best judgment as an experienced and qualified professional generally familiar with the construction industry. Since Engineer has no control over the cost of labor, materials, equipment, services furnished by others, Contractor's methods of determining prices, competitive bidding or market conditions, the Engineer cannot and does not guarantee that proposals, bids or actual Construction Cost will not vary from this opinions of probable cost.

Total Construction Cost		\$6,827,930	\$5,953,970
Design/Survey	12%	\$819,000	\$714,000
CEI	11%	\$751,000	\$655,000
<b>Total Project Cost</b>		<b>\$8,397,930</b>	<b>\$7,322,970</b>

**Public Meeting Comment Summary**  
Gautier, MS

Comment	First	Last	Do you support multi-use pathway construction on Hwy 90?	Would you use a multi-use path on Hwy 90?	Would you use multi-use path for Recreation, Commuting or both?	General Comments
1	Erin	Parker	Yes	Yes	Recreation	Trail isn't long enough, wants it constructed sooner.
2	Freda	Tolar	Yes	Yes	Both	Wants trail completed sooner.
3	Tommy	Fairfield	Yes			Wants relocation of utilities.
4	Pat	Nelson	Yes	Yes	Recreation	Safety
5	Peter	Blank	Yes	Yes	Recreation	Wants trail to connect Pascagoula with Ocean Springs
6	Mike	Barton	Yes	Yes	Recreation	Wants trail completed sooner.
7	Kristi	Ducote	Yes	Yes	Both	Wants trail to connect State line to State line.
8	Susan	Richards	Yes	Yes	Recreation	Hopes trail gets built.
9	Gregg	Lyle	Yes	Yes	Both	Wants trail completed sooner and to connect to Pascagoula.
10	Paula	Lyle	Yes	Yes	Recreation	Concerned project won't be built.

Summary of comment cards:

- 100% (10 out of 10) Support multi-use pathway construction on Highway 90
- 90% (9 out of 10) Would use multi-use pathway
- 67% (6 out of 9) People that responded that they would use the path:
- 33% (3 out of 9) Would use multi-use pathway for Recreation only
- 33% (3 out of 9) Would use the path for both recreation and commuting

Source: Public comment cards from meeting at Gautier Community Center on 11/2/16 from 5:00-7:00 PM.

# Sign-In Sheet

Project: US Highway 90 - Multi-use Path

Date: Wednesday, November 02, 2016

Time: 5:00-7:00 PM

Location: Gautier Community Center

#	Name	Address	Agency/Representing	Phone	Email Address
1	BRIAN McVEY	7630 Tapp Rd., OS, MS			mcveybr@gmail.com
2	Gregg & Paula Lyle	5601 Gautier Vanclave Rd.			Paula Lyle@yahoo.com
3	Brian Fulton	24 Sweetgrass Ln, Os, MS	Jackson Co		brian_fulton@co.jackson.ms.us
4	Susan Richards	4310 Walnut St, Pasc, MS			Sjrichards@lancisti.com
5	FREDA Tolar	2201 Trade Winds, Gautier			tolarfred@aol.com
6	Kristi Ducote	13900 Big Bend Rd.	Jackson Co.		Kducote@thighpascagola.com
7	Jane Forke	6921 Washington Ave	WLOX		jforke@wlox.com
8	Chris Speziale	2110 Poppo Ferry Rd Biloxi, MS	WLOX		cspeziale@wlox.com
9	Sedrick Ducc	MDOT Jackson	MDOT		sducc@mdot.ms.gov
10	TOMMY FAIRFIELD, JR	17050 JENNIFER DR VANCLAVE			
11	GORDON GULLOTT		MAYOR GAUTIER		
12	KEN TAYLOR		SUPR TAX CO		
13	MIKE BARTON	3508 SANTA MARIA			TAYLORKE@CABLEONE.NET
14	Erin Parker	5136 Arthur St Mossblom			MEDER@CABLEONE
15	PETER BLANK	5136 ARTHUR ST 39563			erinsparker@gmail.com
16	Pat Nelson	3701 Courtyard Rd			blankpj@gmail.com
17	Jonathan Kiser	772 Howard Ave	Neal-Schaffer		chuckpat1@cableone.net
18					traffic@neal-schaffer.com
19					
20					





# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: Tommy Fairfield, Jr

Address: \_\_\_\_\_

Phone: 228-762-0112

Email: tfairfield@jlvb-ms.us

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

**Recreation**      **Commuting**      **Both**

What is your biggest concern about the multi-use path project? ANY REQUIRED RELOCATION OF UTILITIES BE CONSIDERED AND FUNDED WITH PROJECT.

Other Comments: \_\_\_\_\_



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: Pat Nelson

Address: 3701 Townsend Rd  
Gautier, Ms

Phone: (228) 217-4948

Email: chuckpat1@cableone.net

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

**Recreation**      **Commuting**      **Both**

What is your biggest concern about the multi-use path project? Safety

Other Comments: \_\_\_\_\_



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: PETER BLANK  
 Address: 5136 ARTHUR ST.  
MOSS POINT, MS 39563  
 Phone: 410-627-5601  
 Email: blankpj@gmail.com

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both

What is your biggest concern about the multi-use path project? I support it 100%!

~~that~~ But I'm concerned it won't connect to Pascagoula. It would be AWESOME if people in Moss Point + Pascagoula could ride a bike path all the way to Ocean Springs.

Other Comments:



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: erin parker  
 Address: 5136 arthur st  
MOSS POINT MS 39563  
 Phone: 608 217 0817  
 Email: erinsparker@gmail.com

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both

What is your biggest concern about the multi-use path project?

That it a) isn't long enough + b) won't be complete earlier

Other Comments: I think this is a FANTASTIC opportunity to add safe bike/pedestrian trails to the Coast and hope it spurs further trails/connections to connect more communities. Any increase in pathways is appreciated.



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: MIKE BARTON  
 Address: 3508 SANTA MARIA CIR  
 Phone: \_\_\_\_\_  
 Email: MEDEB@CABLEONE.NET

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both

What is your biggest concern about the multi-use path project? \_\_\_\_\_

IT WON'T BE COMPLETED UNTILL I'M DEAD

Other Comments: \_\_\_\_\_



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: Kristi Ducote  
 Address: 13900 Big Bend Rd.  
Moss Point, MS 39562  
 Phone: (228) 219-1665  
 Email: kducote@cityofpascagaula.com

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both

What is your biggest concern about the multi-use path project? \_\_\_\_\_

Other Comments: I would like to see this multi-use path go from state line to state line.





# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: Susan Richards  
 Address: 4310 Walnut St.  
Pascagoula MS 39567  
 Phone: \_\_\_\_\_  
 Email: srichards@lancisti.com

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both

What is your biggest concern about the multi-use path project? No concerns other than I hope that it gets built!

Other Comments: \_\_\_\_\_



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: Gregg Lyle  
 Address: 5601 Gautier Vanleave Rd.  
Gautier, MS 39553  
 Phone: (228) 623-5707  
 Email: PaulaLyle@yahoo.com

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both

What is your biggest concern about the multi-use path project? That it might not be completed.

Other Comments: I think it's a great idea and only wish it could happen sooner. It would be even better if it could take you all the over to the other side of Pascagoula...



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

**Name:** Paula Lyle  
**Address:** 5601 Gautier Vandevae Rd  
Gautier, MS 39553  
**Phone:** (228) 623-5701  
**Email:** paula.lyle@yahoo.com

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

**Recreation**  **Commuting**  **Both**

What is your biggest concern about the multi-use path project?

That the project will be scrapped. Or will not be completed as shown.

Other Comments:

The project is a big step forward in the right direction. Would love to see more areas developed that are bike/walk friendly.





# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: FREDA Tolar  
 Address: 2201 TRADEWINDS DR.  
GAUTIER, MS 39553  
 Phone: 228-218-6085  
 Email: tolarfred@aol.com

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation    Commuting     Both

What is your biggest concern about the multi-use path project? That it won't be available before I'm too old to ride! I'M 60 now.

Other Comments: I'm a host house for warmshowers.org and have many international cyclists that come through Mississippi on Hwy 90. Internationally & within the

USA Mississippi has a reputation of being one of the least friendly to cyclists. I believe this off road multi-use path would go a long way towards improving that reputation.

Not to mention most residents in the Point Clear subdivision would find this very convenient for their own use. I am a resident of the Point Clear Subdivision.

**Public Meeting Comment Summary**  
Ocean Springs, MS

Comment	First	Last	Do you support multi-use pathway construction on Hwy 90?	Would you use a multi-use path on Hwy 90?	Would you use multi-use path for Recreation, Commuting or both?	General Comments
1	Dranne	del Cid	Yes	Yes	Recreation	Wants crosswalk at Vermont for access to downtown. Likes separating bike/ped traffic from automobile traffic. Likes that the project will connect to existing facilities. He will support the project. Worried that project will not be built.
2	Spencer	Garrett	Yes	Yes	Both	
3	Stephanie	Planchich	Yes	Yes	Recreation	
4	Chad	Wade	Yes	Yes	Recreation	
5	Lyle	Montgomery	Yes	Yes	Recreation	

Summary of comment cards:

- 100% (5 out of 5) Support multi-use pathway construction on Highway 90
- 100% (5 out of 5) Would use multi-use pathway
- 80% (4 out of 5) People that responded that they would use the path:
- 20% (1 out of 5) Would use multi-use pathway for Recreation only
- 20% (1 out of 5) Would use the path for both recreation and commuting

Source: Public comment cards from meeting at Ocean Springs Civic Center on 11/3/16 from 5:00-7:00 PM.

# Sign-In Sheet

Project: US Highway 90 - Multi-use Path

Date: Thursday, November 03, 2016

Time: 5:00-7:00 PM

Location: Ocean Springs Civic Center

#	Name	Address	Agency/Representing	Phone	Email Address
1	John Mcke	3120 Shadewood Dr.		278-217-1386	johnmcke@cablowe.net
2	Randy Besarge	511 Maple St. O.S.		235-2170	
3	S. Richardson	362 Shearwater Dr. Os		875-2112	svan@bellsouth.net
4	Wade Morgan	1018 Porter	City of Ocean Springs	230-1945	wmorgan@oceansprings.ms
5	Lyle Montgomery	8901 Boxwood Ln	BRANTIER MS	315-323-0859	Lyle.Montgomery@brantier.com
6	David Taylor		GRPC	228-864-1167	dfeyle@grpc.com
7	Brian Fullum		Jackson Co.	228-767-3088	brian_fullum@co.jackson.ms.us
8	Henry Furr		H.H. Furr Ark	228-872-4453	HENRY@HHFURR.COM
9	Chic Ody	135 SHERWOOD CIRCLE	Audgeman O.S.	228-980-5077	
10	Bobby Cox	2329 Government St	City of O.S. Alderman	218-7271	
11	Suzanne Stewart	1426 Valencia Ct		238-6174	
12	Chad Wade	818 Conebreak Dr.	O.S Chamber	243-2387	CWade@blossmunga.com
13	Duane del Cid	1238 Iberville Dr.	N/A	214-418-4754	
14	Steph Plancich	1635 Poppers Ferry	GRPC	864-1167	spncich@grpc.com
15	Jonathan Kline		Neel Schfer		
16					
17					
18					
19					
20					



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: Dianne del Cid

Address: 1238 dbruville Dr

Phone: \_\_\_\_\_

Email: delcid - Dianne@att.net

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both

What is your biggest concern about the multi-use path project? Drainage, safety  
Keeping existing trees in median (if viable)

Other Comments: Could use a cross walk with flashing lights to cross 90 at Vermont/Martin Luther King and/or Washington Ave. only safe way for bikes & walkers to cross over into downtown



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: SPENCER GARRETT

Address: 1426 VALARDO CT.  
GAUTIER, MS 39553

Phone: (228) 238-6174

Email: \_\_\_\_\_

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO BIKE

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both Mostly Commuting

What is your biggest concern about the multi-use path project? SAFETY -> I LIKE HOW YOU ARE SEPARATING BIKE TRAFFIC FROM CAR TRAFFIC. NEXT STEP IS LIGHTING & SURVEILLANCE CAMERAS. DO NOT COMPROMISE & INSTALL SHARED LANES!

Other Comments: I WOULD RATHER HAVE ONE LANE DONE RIGHT THAN TWO DONE HALF-ASSED. THIS PROJECT NEEDS TO STRETCH FROM THE BRIDGE TO THE PASCAGOULA BRIDGE (OR AT THE LEAST TO THE GAUTIER - PASCAGOULA BRIDGE)





# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: Stephanie Plancich  
 Address: \_\_\_\_\_  
Biloxi, MS  
 Phone: 228-864-1167  
 Email: splancich@grpc.com

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both

What is your biggest concern about the multi-use path project? \_\_\_\_\_

No concerns - glad this project will connect existing facilities, support local + regional

Other Comments: Connectivity goals + offers new / improved mobility options for community members.



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

Name: Chad Wade  
 Address: 810 Canebreak Blvd  
 Phone: (228) 243-2388  
 Email: cwade@blossman-gas.com

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

Recreation  Commuting  Both

What is your biggest concern about the multi-use path project? \_\_\_\_\_

I will support the project.

Other Comments: \_\_\_\_\_



# US HIGHWAY 90 MULTI-USE PATH STUDY

## Jackson County, MS – Ocean Springs to Gautier

**Name:** LYLE MONTGOMERY  
**Address:** 8901 BOXWOOD LN.  
GAUTIER MS 39553  
**Phone:** 315-323-0859  
**Email:** LYLEMONTGOMERY@GMAIL.COM

Do you support the construction of a multi-use path along Highway 90?

YES  NO

Would you use a multi-use path on along US Highway 90 to bike or walk in this area?

YES  NO

If you would use the trail, would it be for recreation, commuting or both (circle one)?

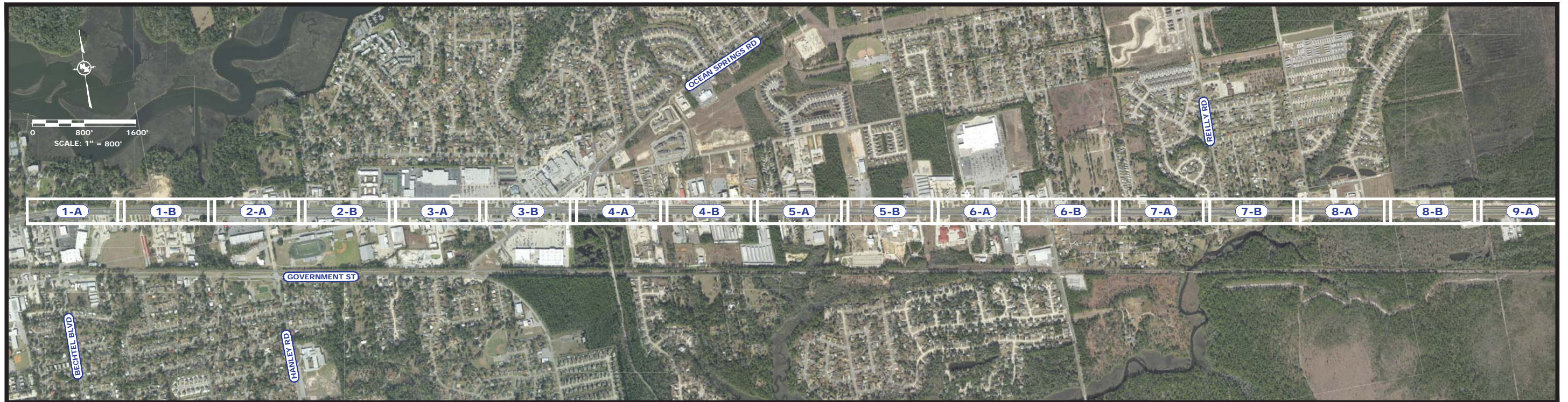
Recreation  Commuting  Both

**What is your biggest concern about the multi-use path project?** \_\_\_\_\_

MY BIGGEST CONCERN IS THAT OBSTACLES WILL KEEP IT FROM HAPPENING. HOWEVER I AM VERY OPTIMISTIC ABOUT

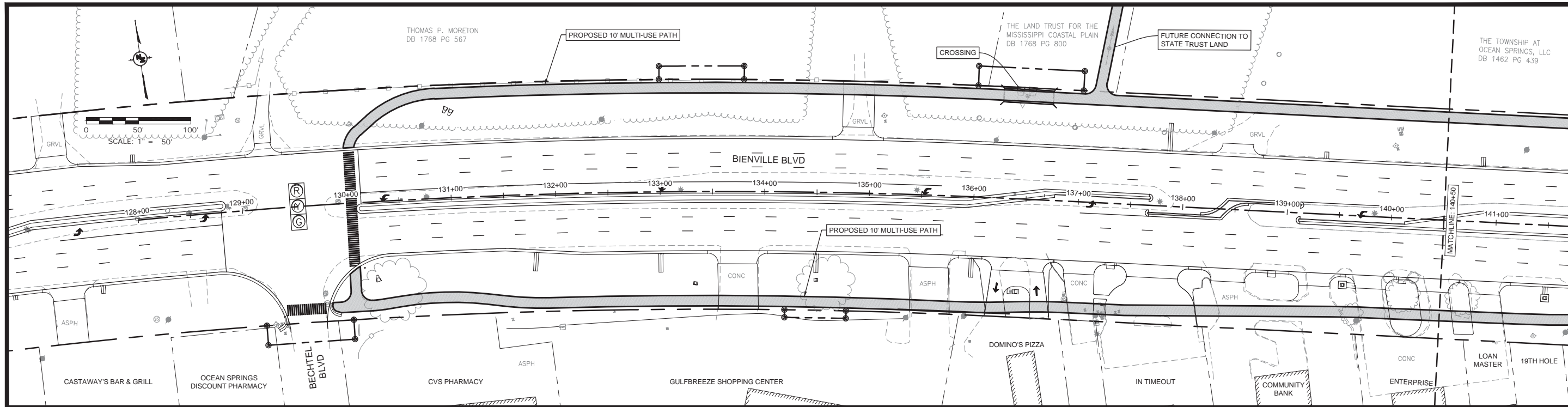
**Other Comments:** THIS PROJECT + LOOK FORWARD TO USING IT. I THINK IT WILL ALSO HELP TO TRIGGER PROJECTS TO CONNECT WITH IT.



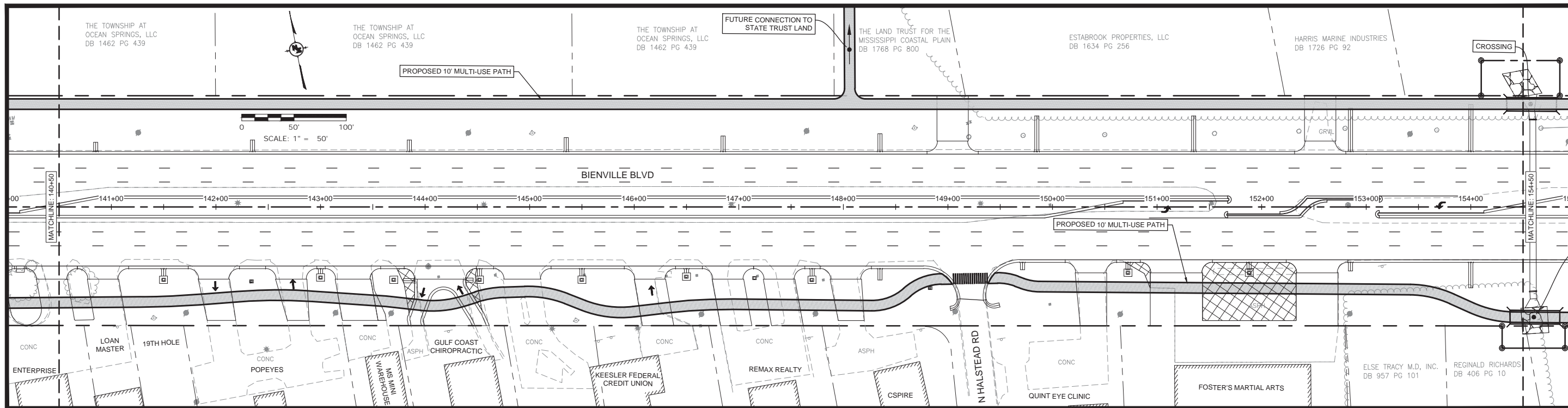


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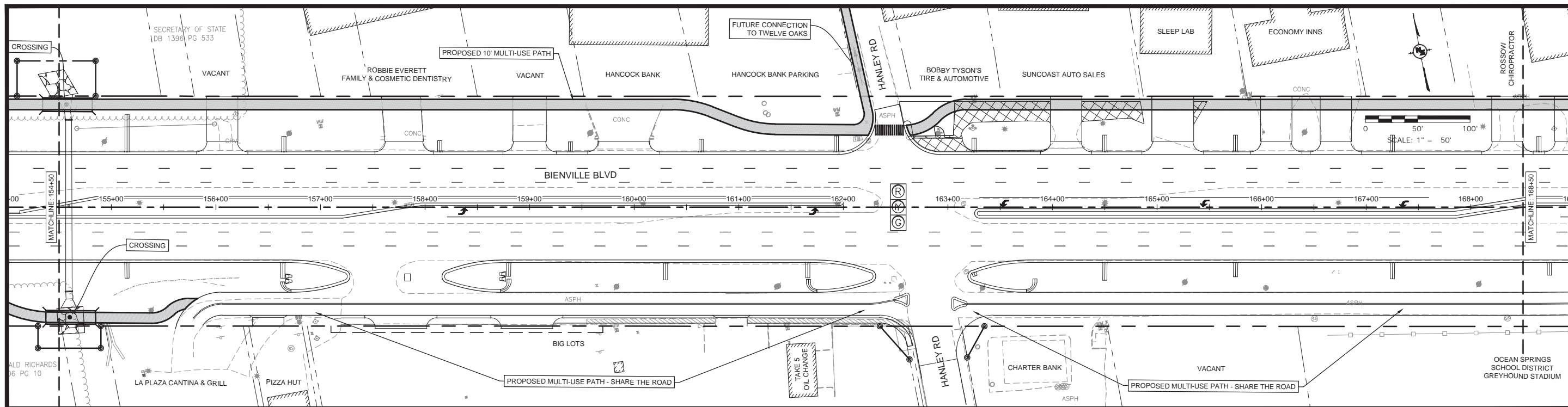




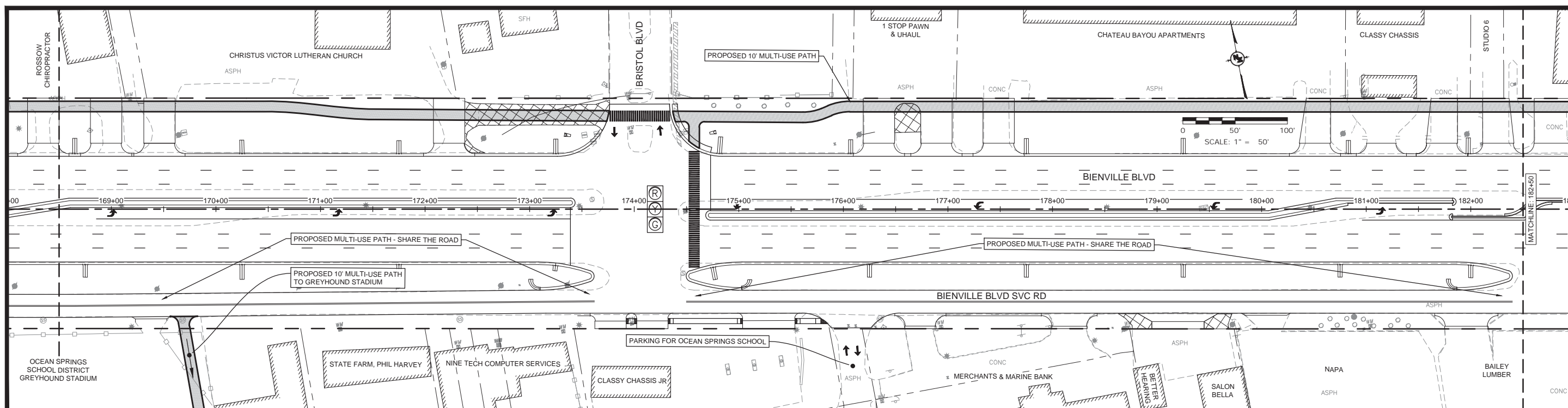
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

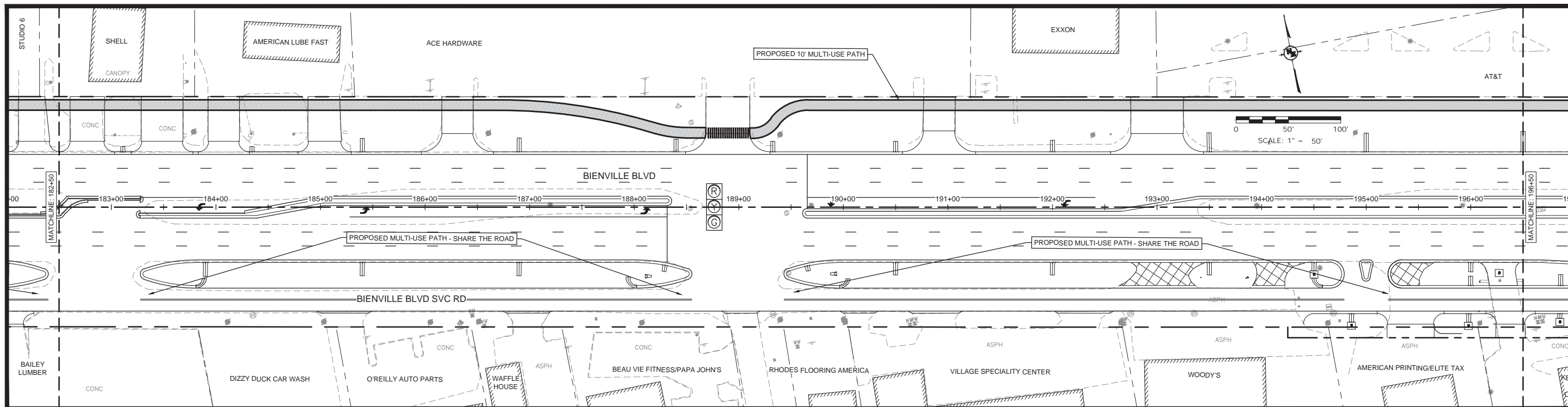


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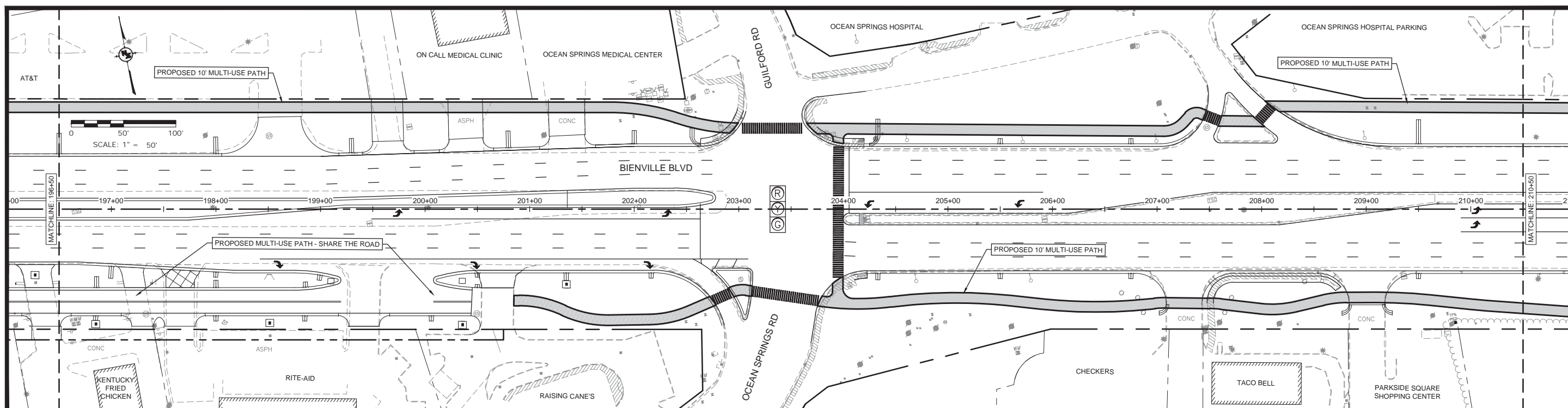


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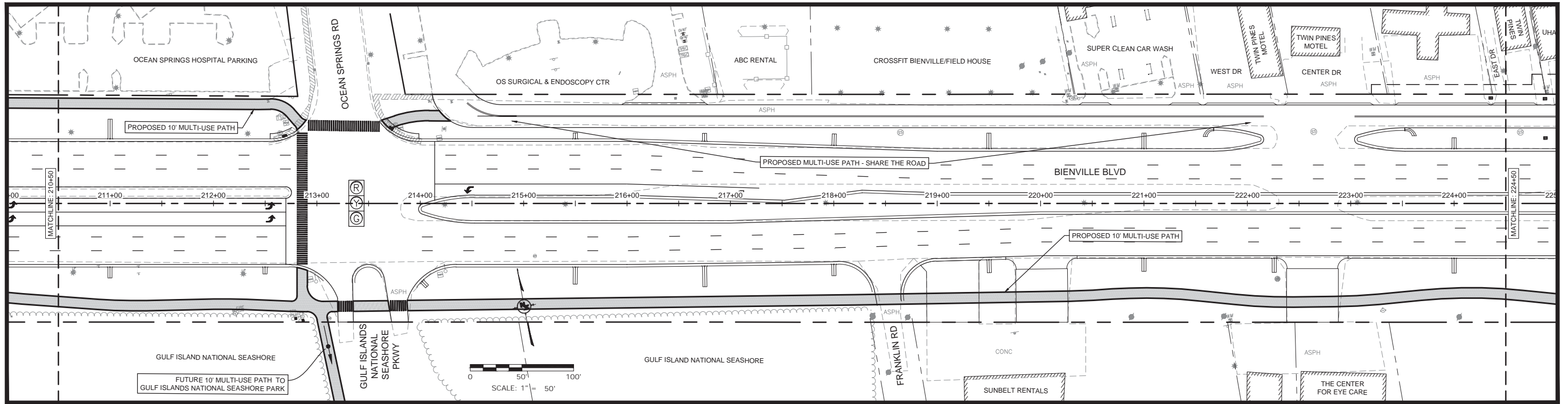


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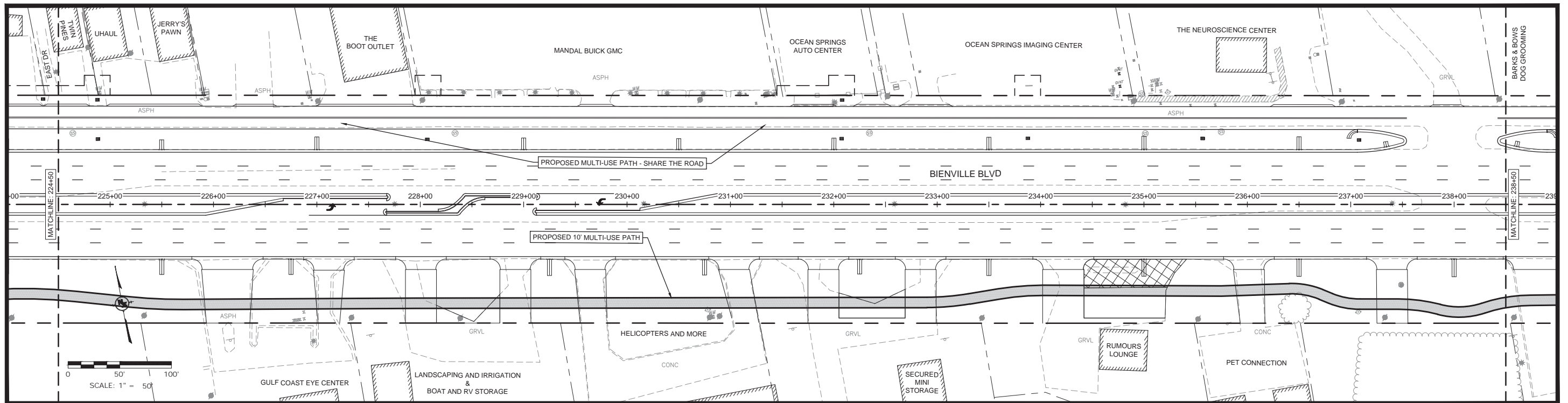


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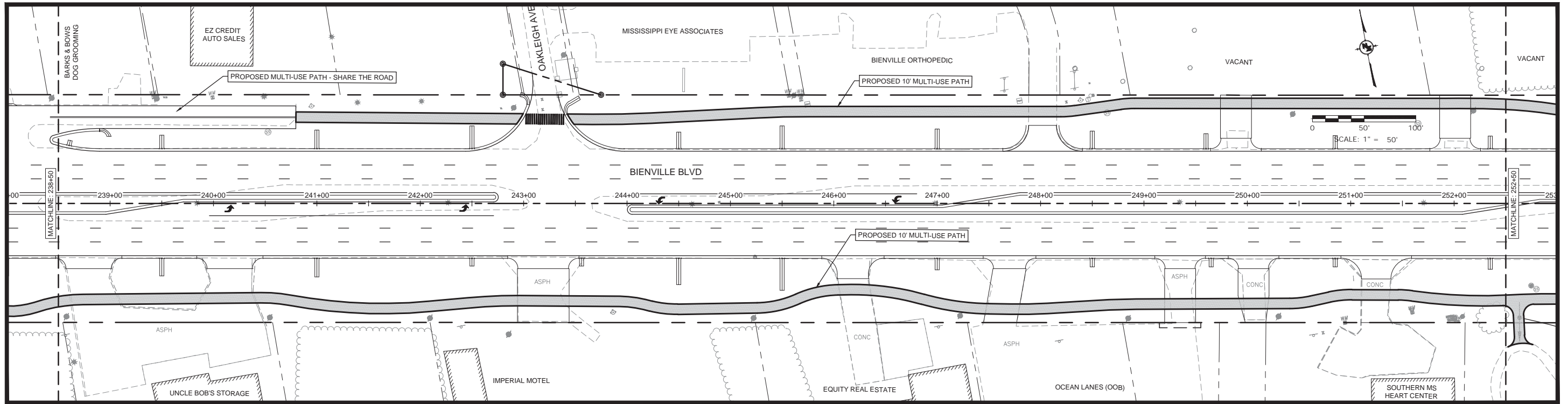




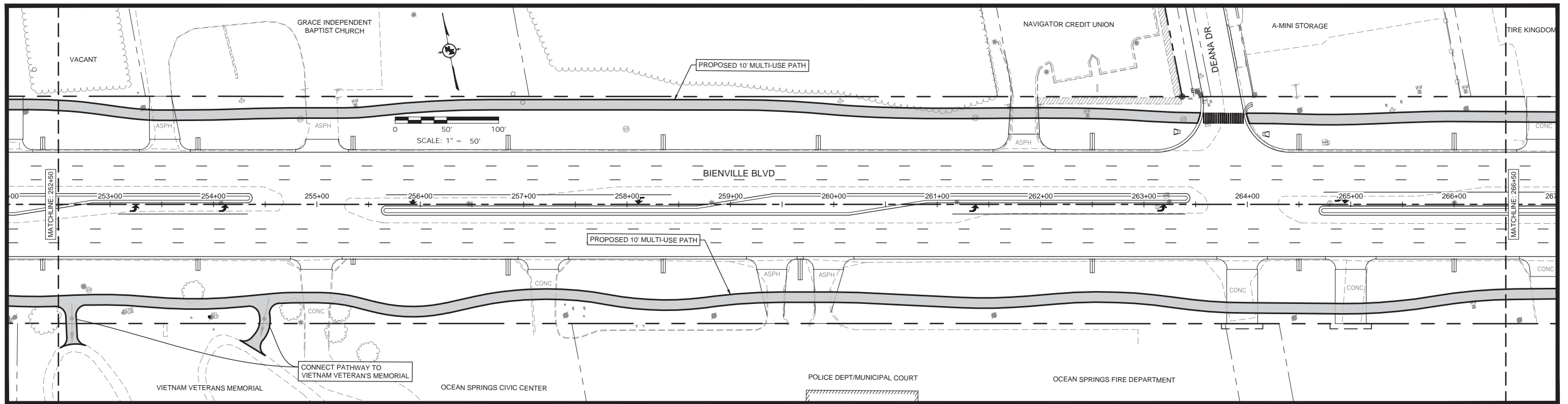
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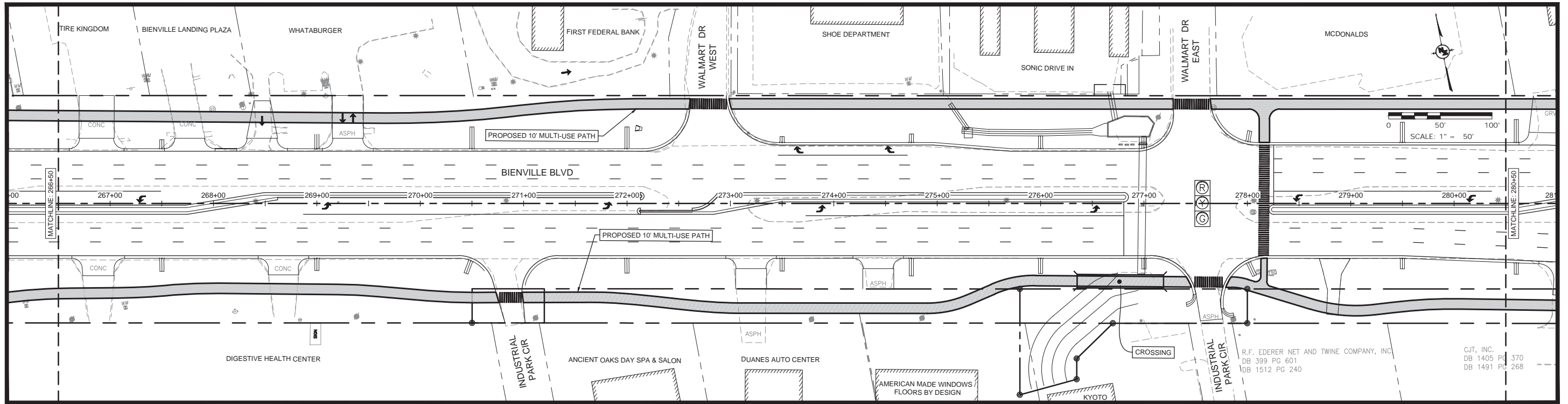
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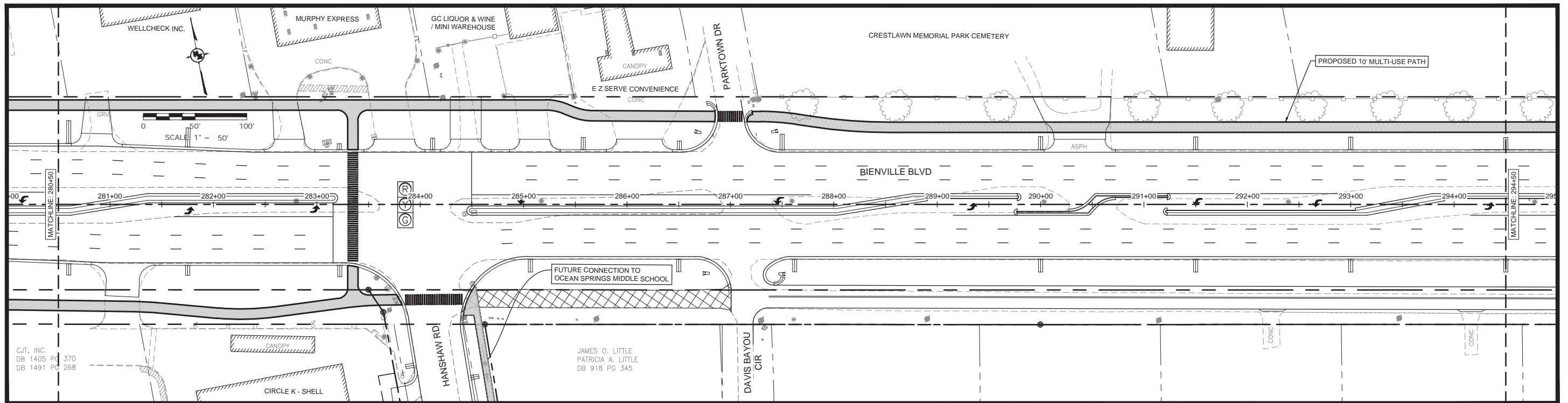
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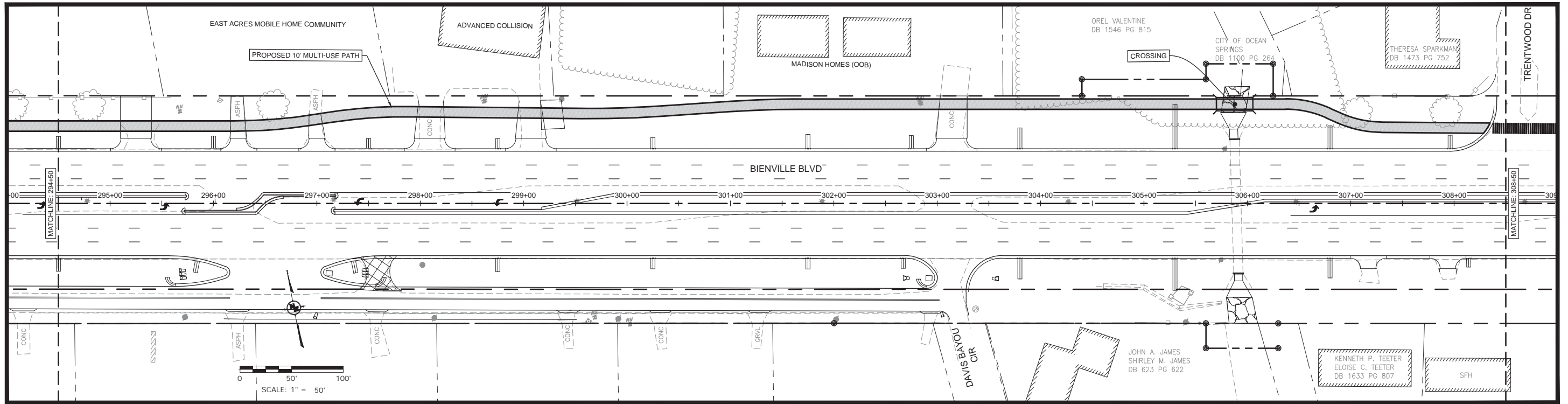
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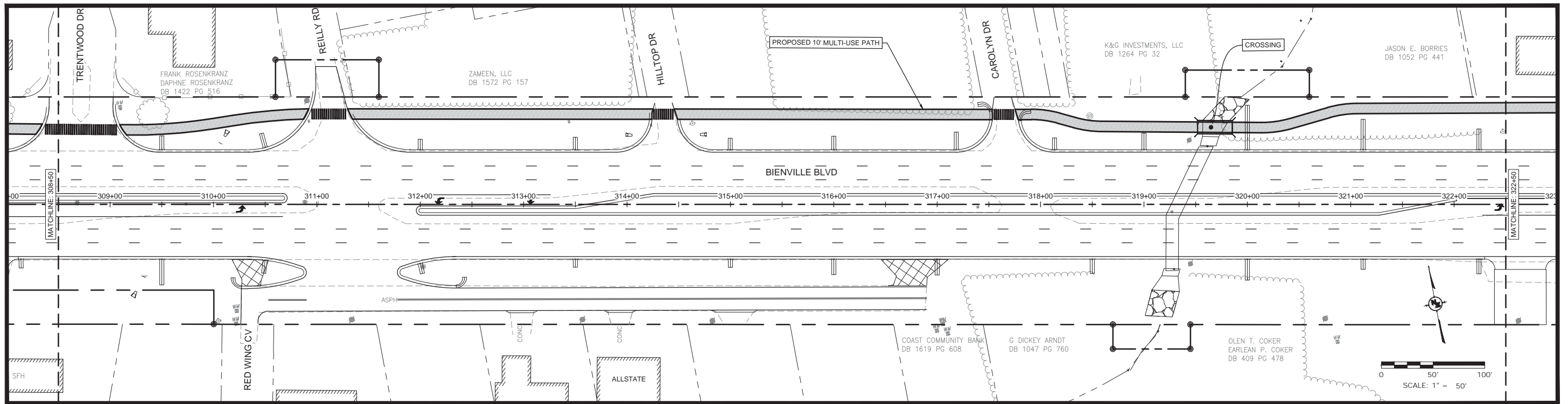
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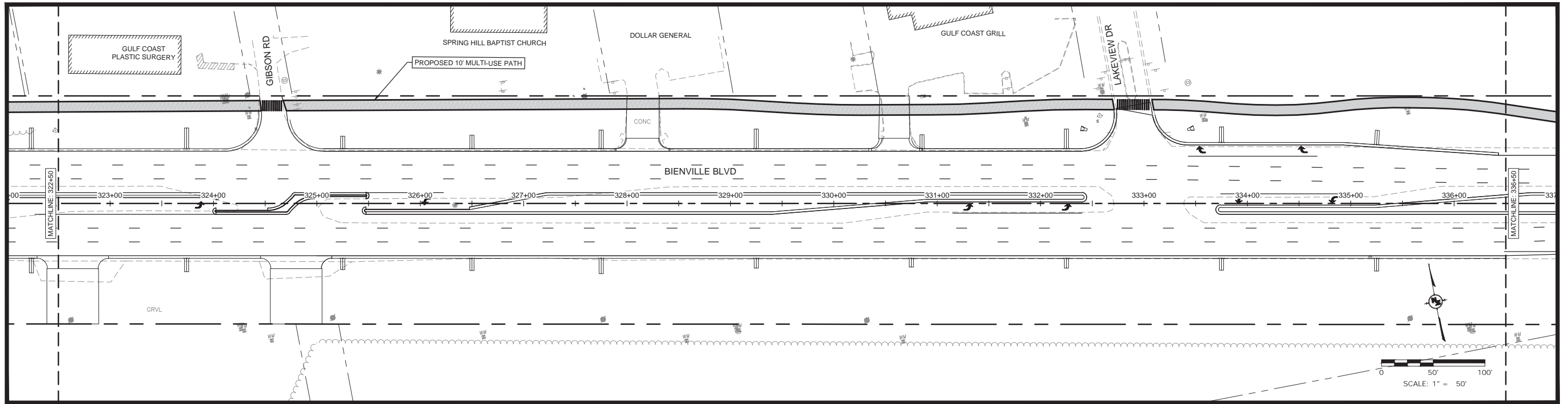




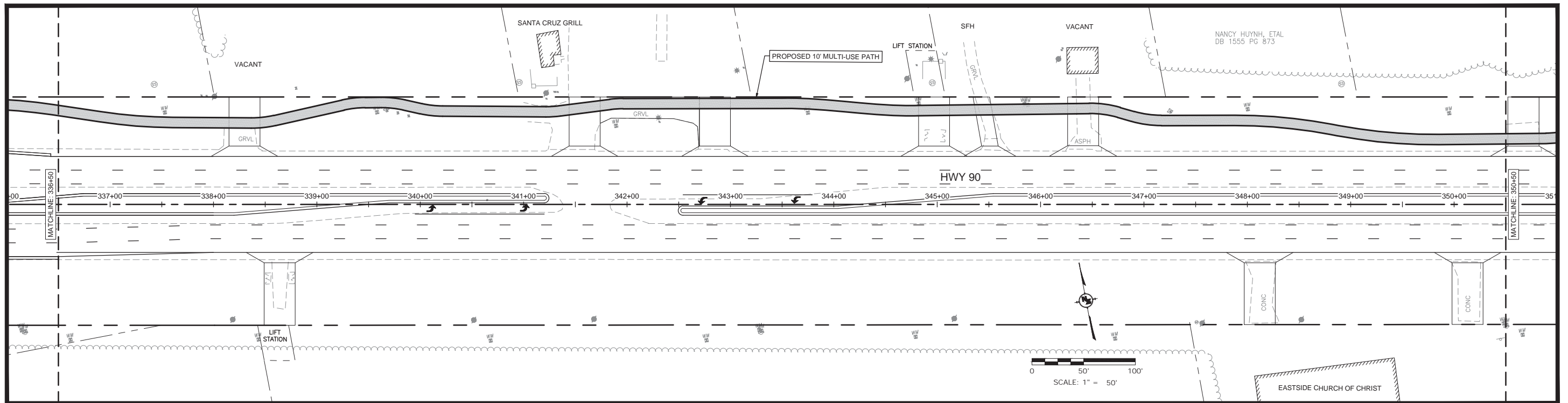
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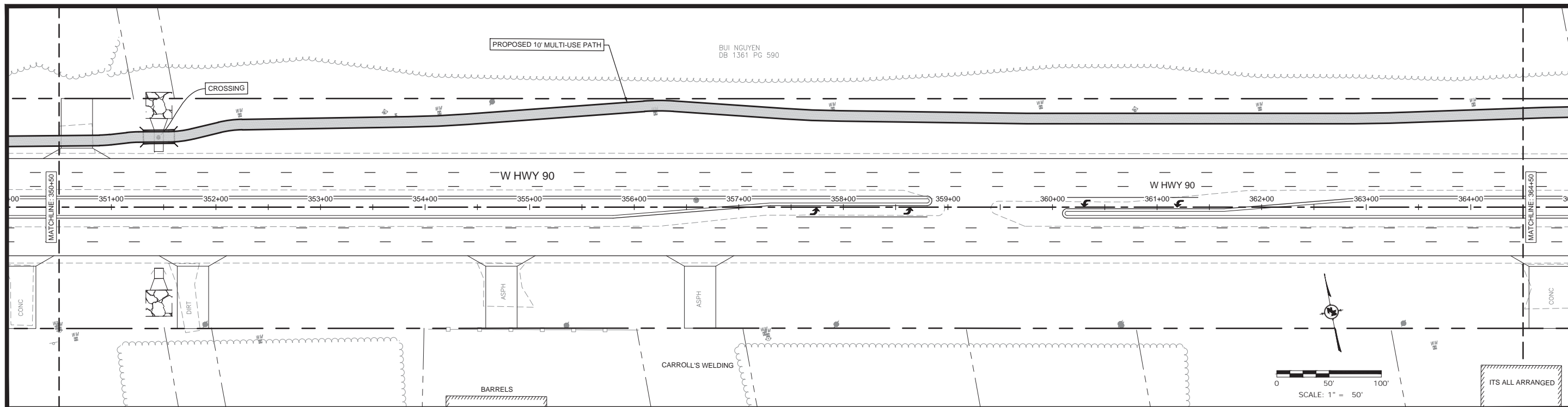
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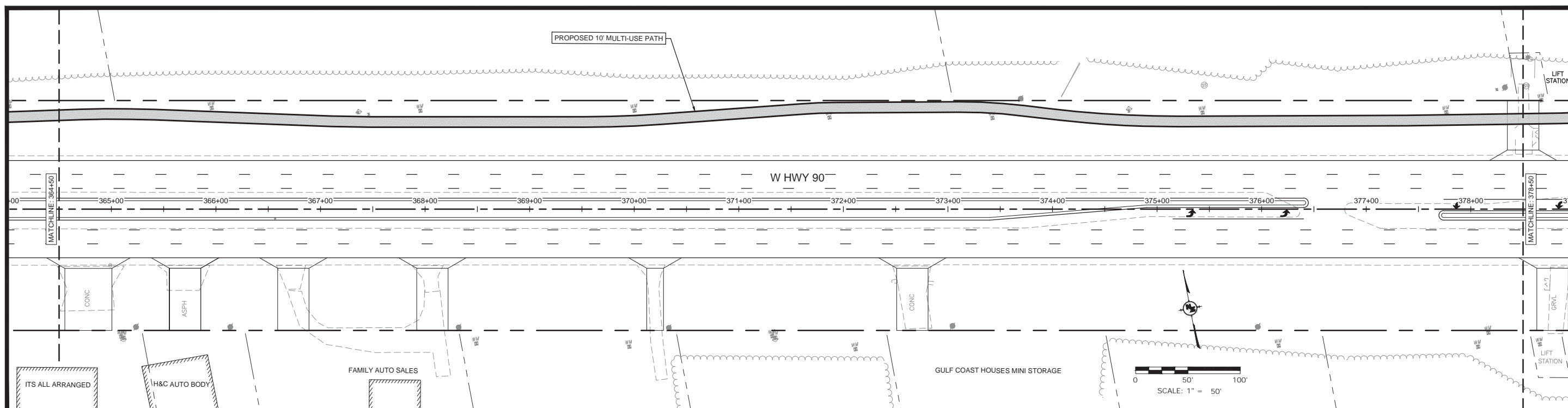
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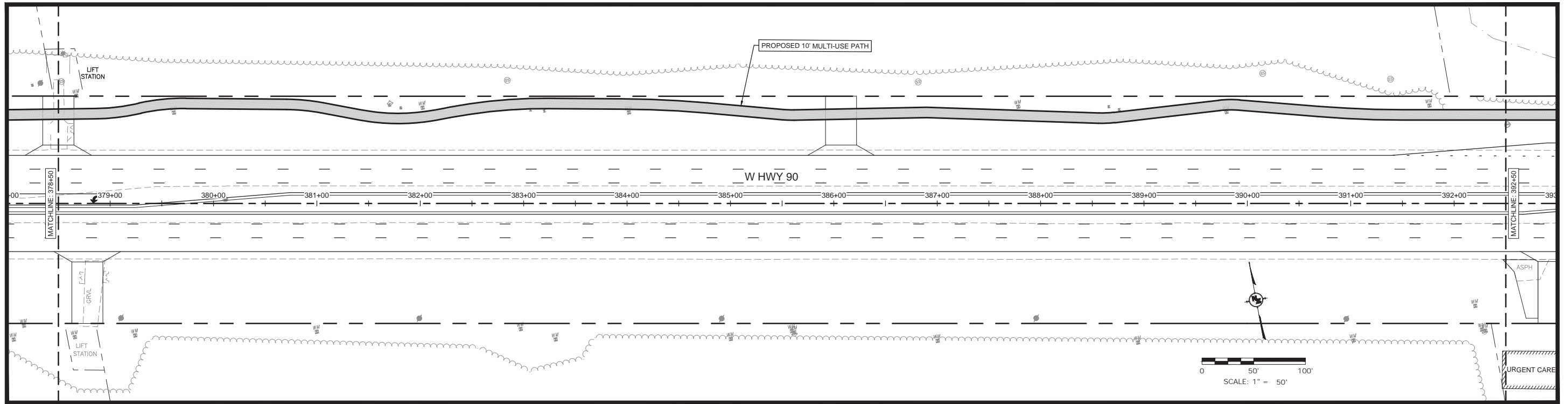
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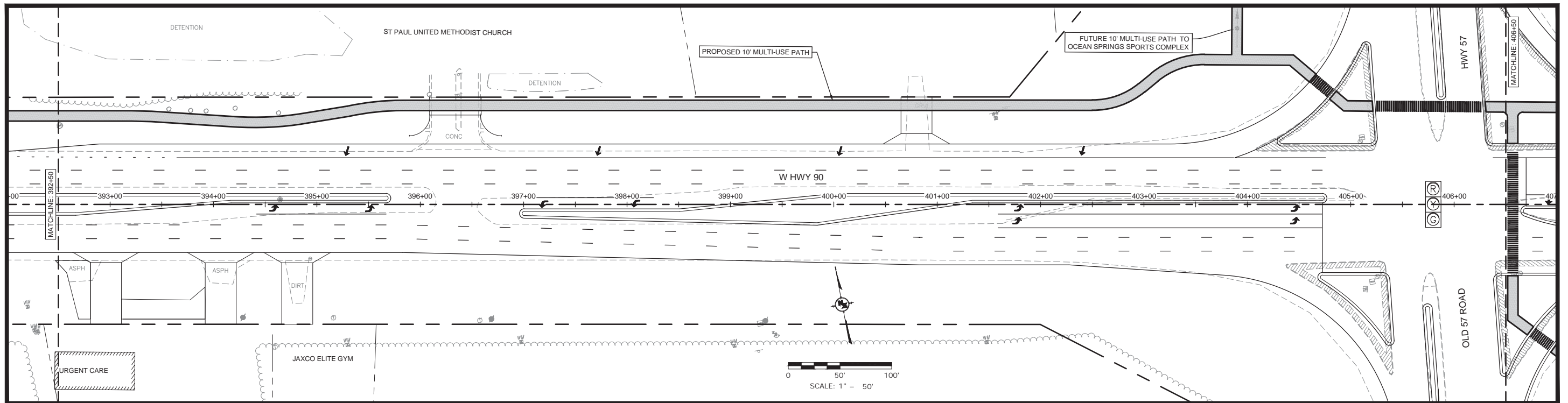
HWY 90 WIDENING PLAN SOURCE:  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION



H:\0\Projects\13386 - JC - US90 Palm Study\0-DWG\Current Design\FIG-SHFS-REV1.dwg, FIG 9, 8/27/2016 2:40:51 PM, amber.dunlap, 1:2

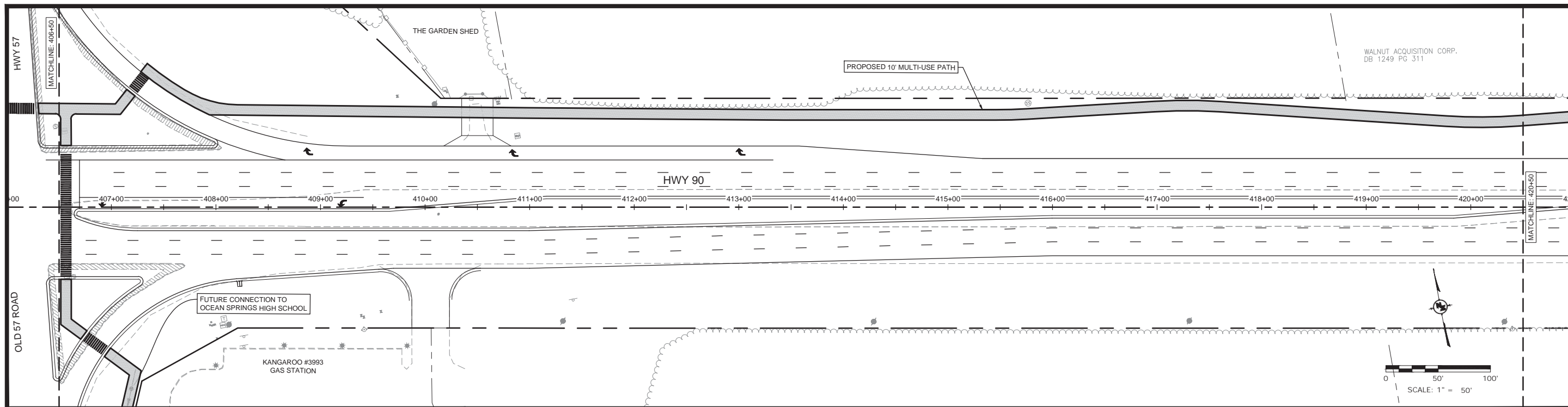


HWY 90 WIDENING PLAN SOURCE:  
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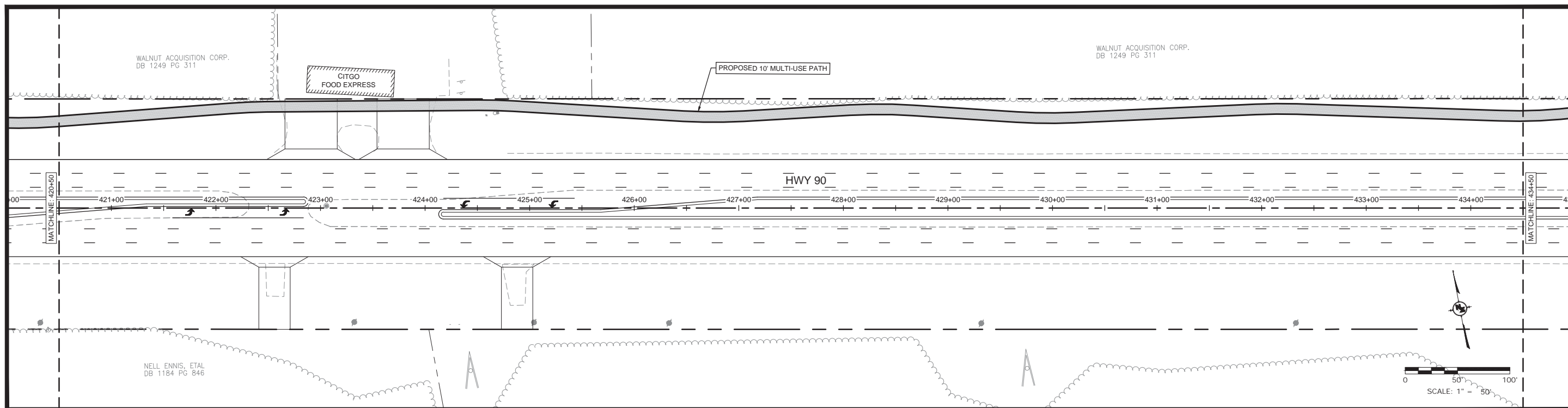


H:\0\Projects\13386 - JC - US90 Palm Study\0-DWG\Current Design\FIG-SHFS-REV1.dwg, FIG 10, 9/27/2016 2:41:00 PM, amber.durmap, 1,2



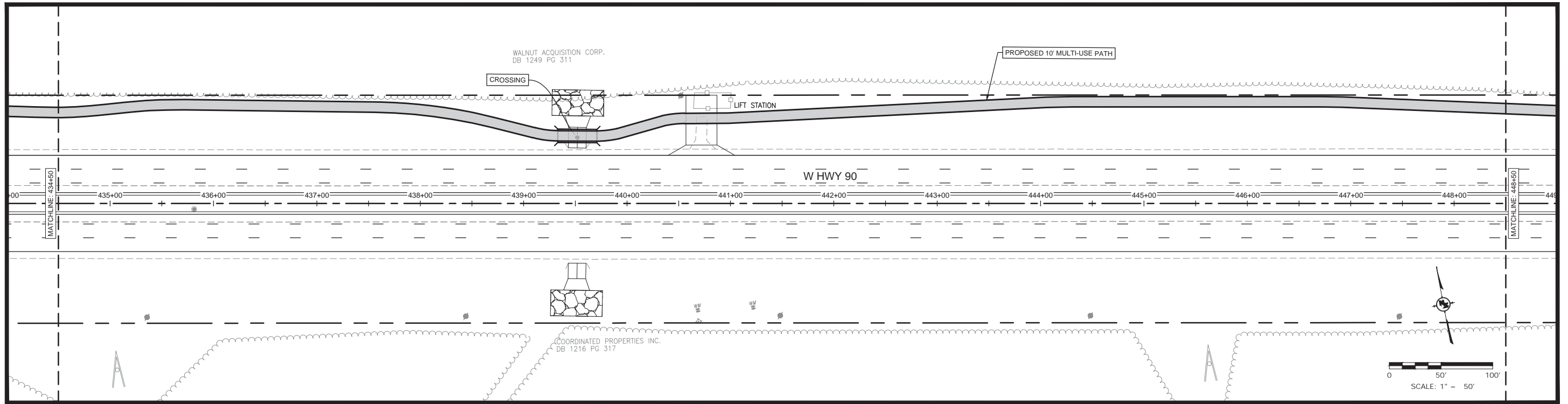


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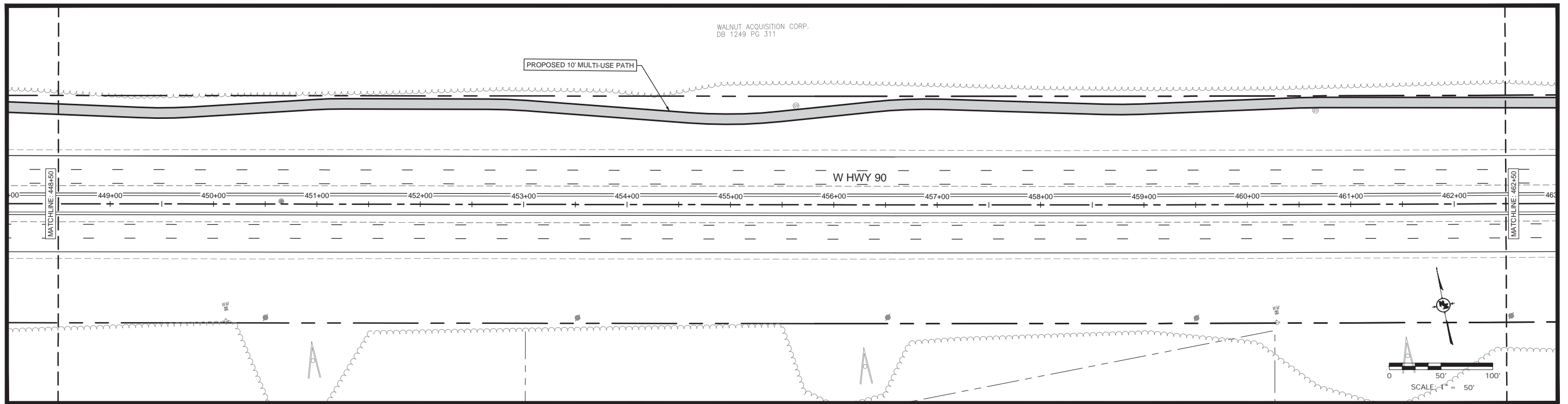


H:\0\Projects\10386 - JC - US90 Palm Study\0-DWG\Current Design\FIG-SHFS-REV1.dwg, FIG 11, 9/27/2016 2:41:08 PM, amber.durmap, 1:2

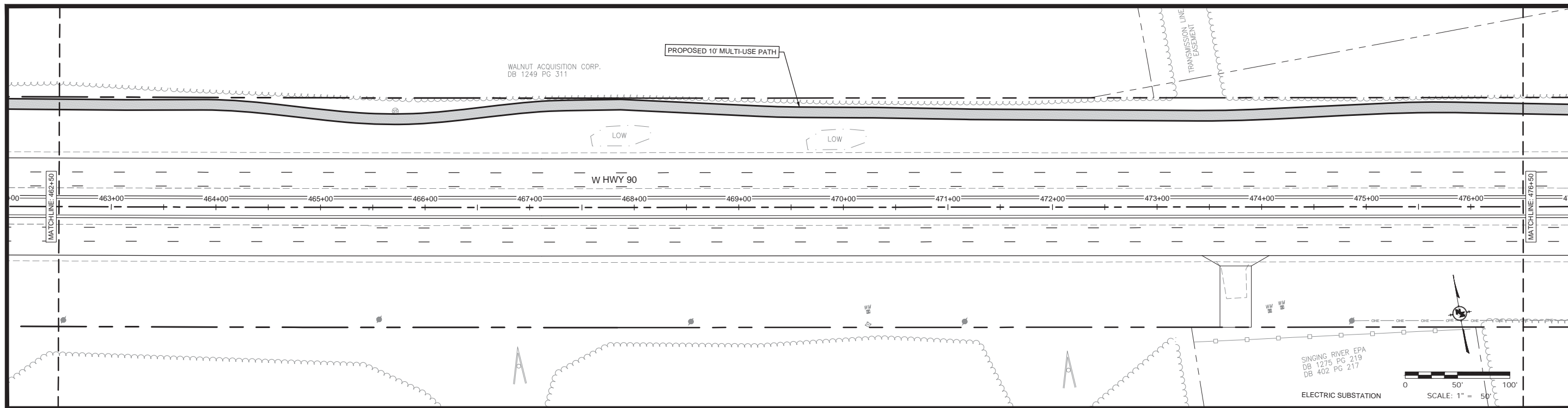




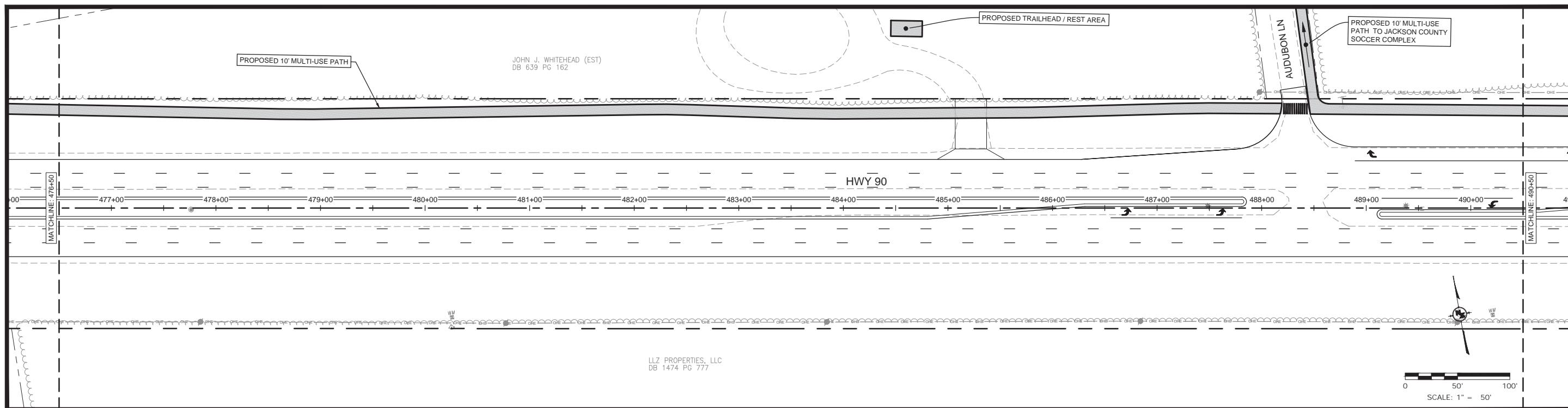
HWY 90 WIDENING PLAN SOURCE:  
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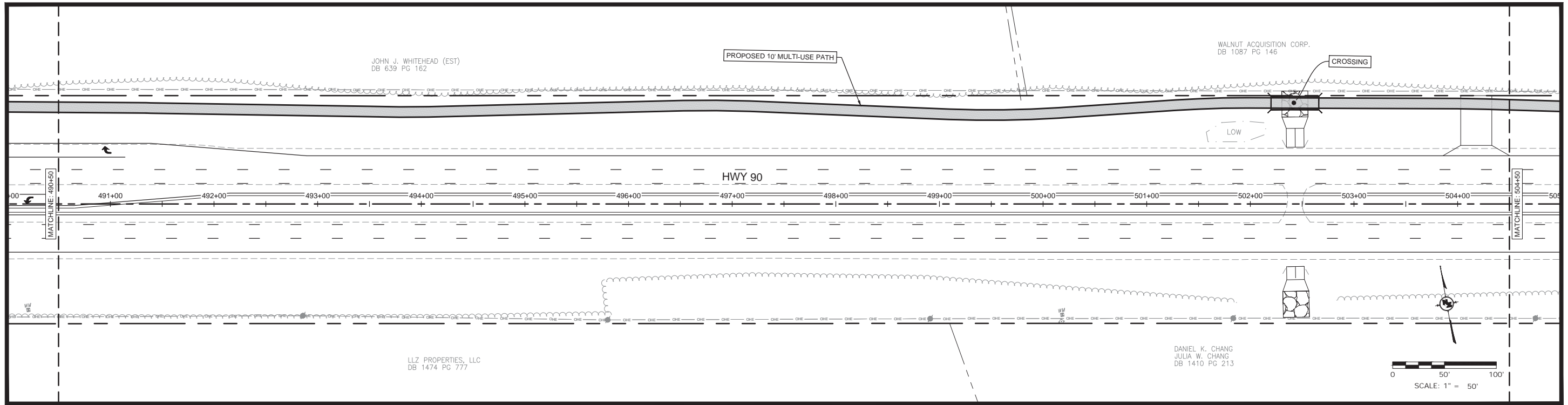


H:\0\Projects\10386 - JC - US90 Palm Study\0-DWG\Current Design\FIG-SHFS-REV1.dwg, FIG 12, 9/27/2016 2:41:17 PM, amber.durmap, 1:2

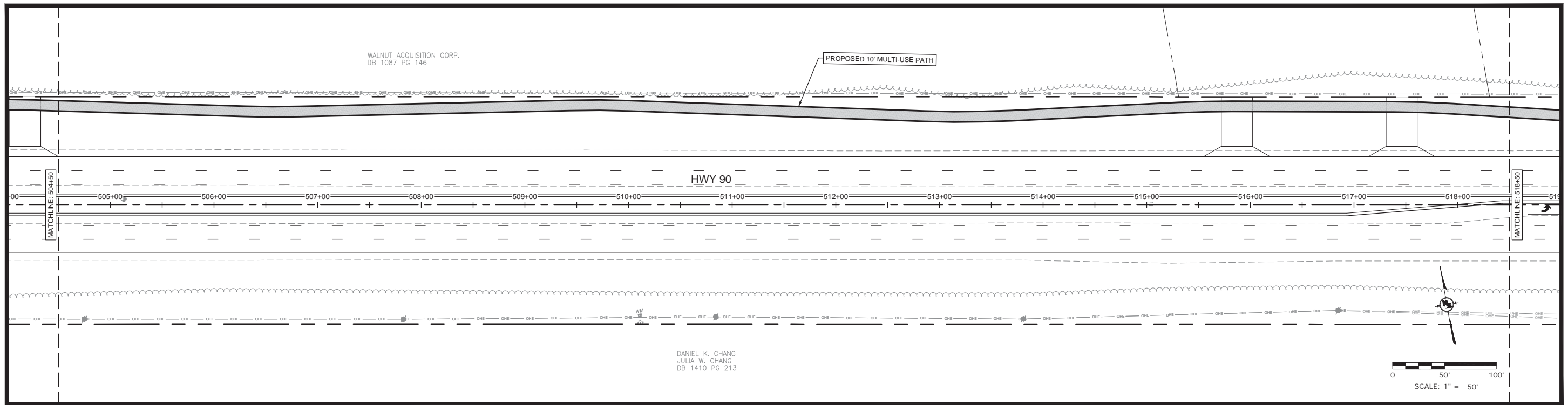


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HWY 90 WIDENING PLAN SOURCE:  
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H:\0-Projects\13386 - JC - US90 Palm Study\0-DWG\Current Design\FIG-SHTS-REV-1.dwg, FIG 14, 9/27/2016 2:41:36 PM, amber.durap, 1:2

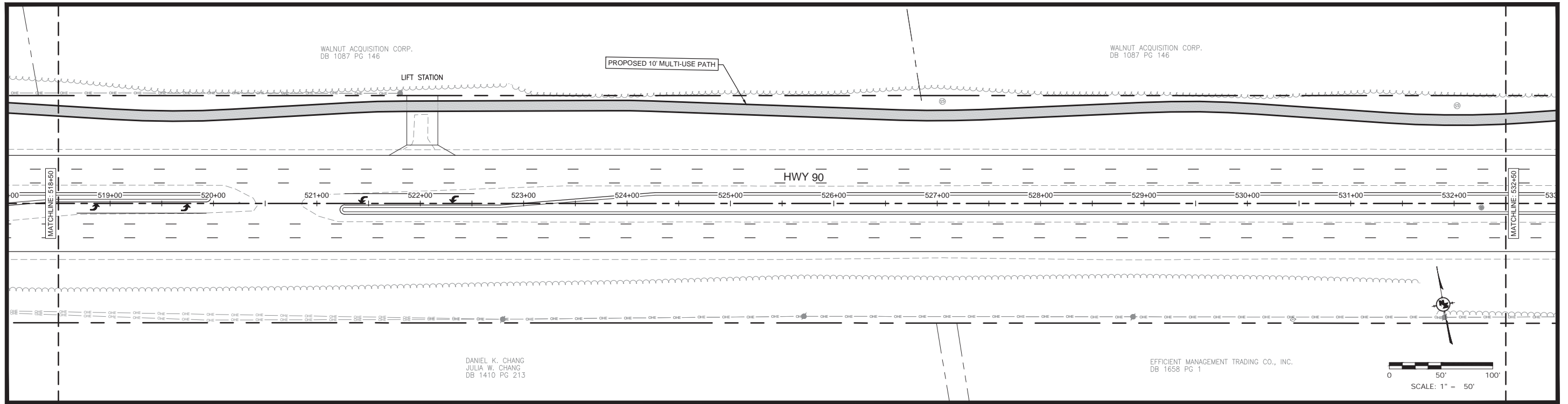


# US90 MULTI-USE PATH STUDY

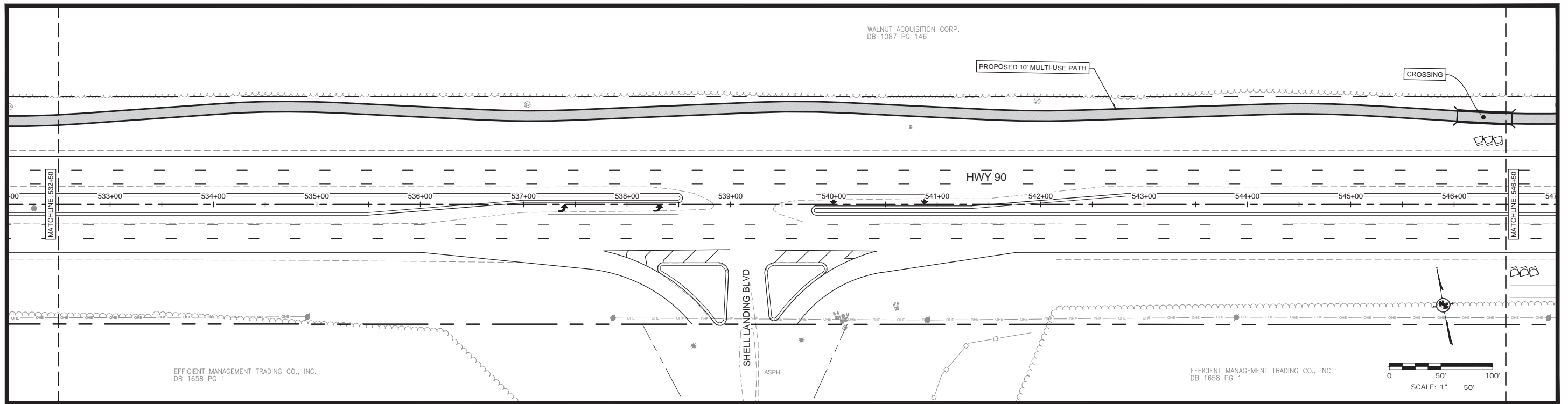
## JACKSON COUNTY, MS



FIGURE  
14



HWY 90 WIDENING PLAN SOURCE:  
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H:\0\Projects\13386 - JC - US90 Plan Study\0-DWG\Current Design\FIG-SHTS-REV1.dwg, FIG 15, 9/27/2016 2:41:48 PM, amber.durmap, 1:2

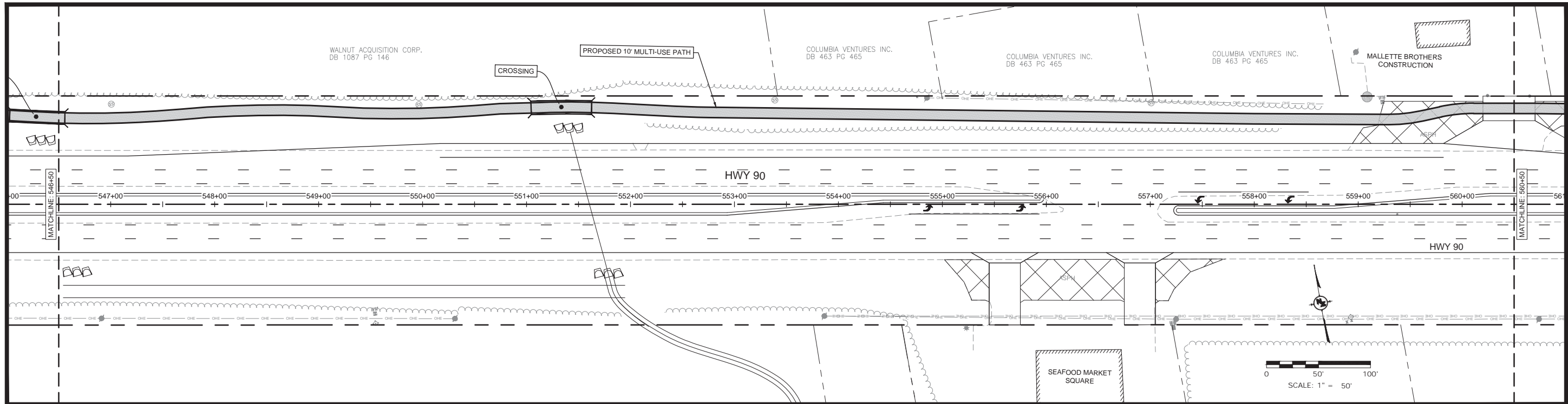


# US90 MULTI-USE PATH STUDY

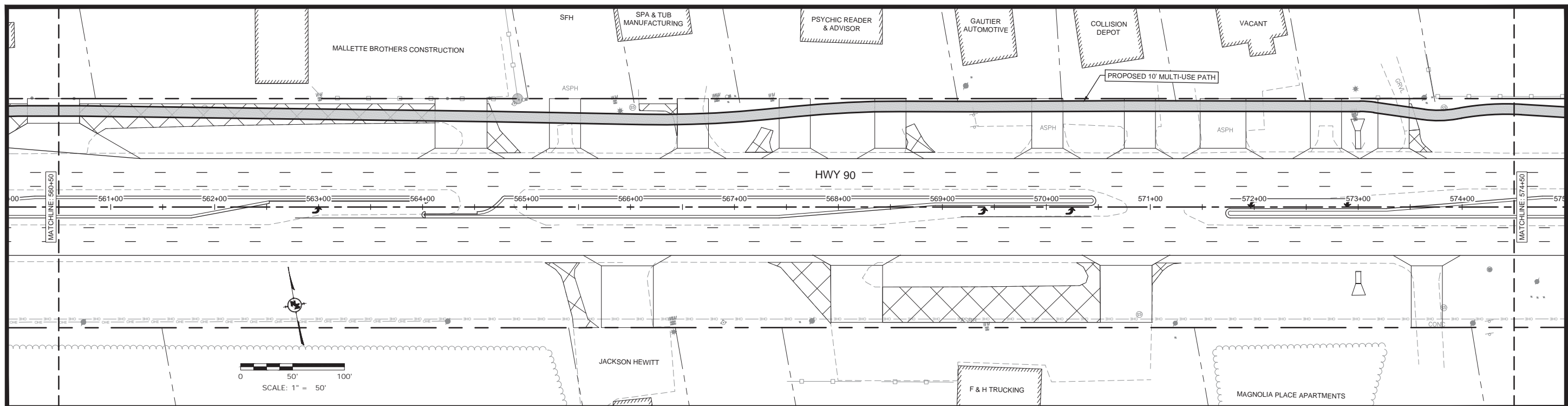
## JACKSON COUNTY, MS



FIGURE  
15

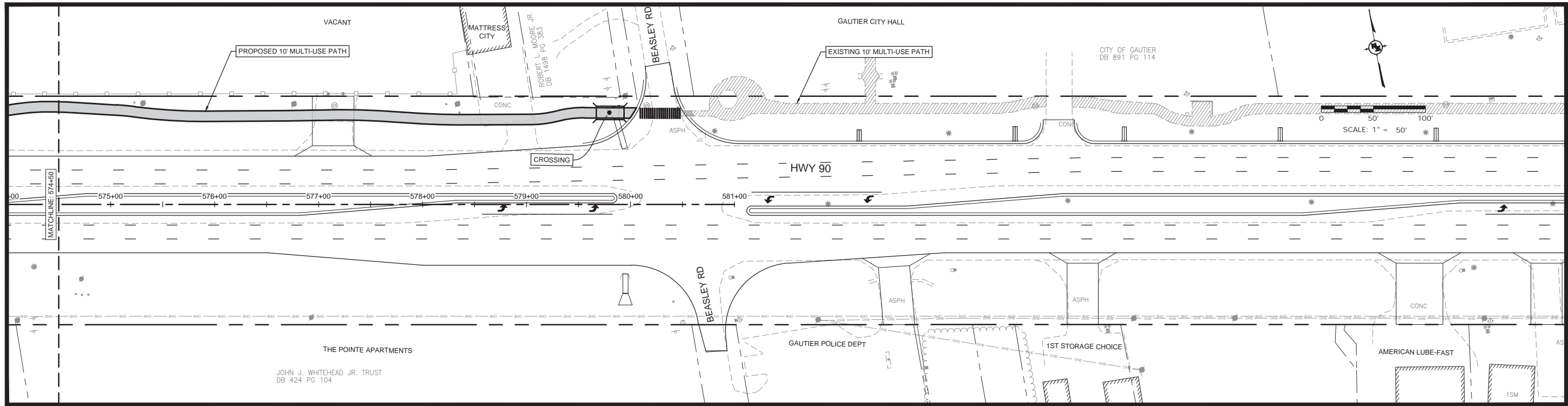


HWY 90 WIDENING PLAN SOURCE:  
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H:\0\Projects\13386 - JC - US90 Palm Study\0-DWG\Current Design\FIG-SHTS-REV1.dwg, FIG 16, 9/27/2016 2:41:58 PM, amber.durap, 1:2





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MISSISSIPPI DEPARTMENT OF TRANSPORTATION