

# MoDOT ADA Route Inventory

## Job #J6P3510

### Final Conceptual Report

Consultants Services MOU #2021-10-66325

April 8, 2022

Prepared by:  
Engineering Design Source, Inc.  
Chesterfield, MO



**MoDOT J6P3510  
ADA Route Inventory**

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## **MoDOT J6P3510 ADA Route Inventory**

### **I.0 EXECUTIVE SUMMARY**

Missouri Department of Transportation (MoDOT) roadway projects across the District are in various stages of compliance with the Americans with Disabilities Act (ADA). This project collected field data on pedestrian facilities on 43 routes, totaling 120 miles, across the District that MoDOT needed an evaluation to determine the ADA compliance level.

The estimated cost for upgrading all non-compliant items over the entire project is \$16,570,900. The route index is located in Appendix A. The cost breakdown by route is summarized in Appendix B. Note that the cost estimates do not include right-of-way acquisition costs or temporary construction easement costs.

Some general takeaways from this investigation are as follows:

- There is significant non-compliance on pedestrian push button installations
- Many interchanges need crosswalk painting
- Existing retaining walls restrict sidewalks to be appropriate width. Costs for relocating the walls have not been included herein. These costs would be significant if the final design moves the walls.
- Many sidewalks are outside the MoDOT right-of-way but visually appear to be part of the roadway system, and these were not included in the cost estimates. The stakeholder's perceptions for upgrading the sidewalks may likely be that people believe these sidewalks are MoDOT's responsibility.

### **2.0 SCOPE OF WORK**

The scope of work is to provide a visual assessment of the sidewalks, curb ramps, pedestrian signal equipment, ramps, and median cut-throughs on 43 routes to determine the compliant items and provide cost estimates to bring the roadways and walkways into compliance. The project study limits are listed in Appendix A and depicted graphically in Appendix D. Engineering Design Source, Inc (EDSI) teamed with Civil Design Group (CDI) to perform site inspections and collate the data. EDSI created this final report.

## **MoDOT J6P3510 ADA Route Inventory**

### **3.0 MEANS AND METHODS**

EDSI conducted site visits to each of the 43 routes and performed a visual assessment of the sites. The data collection was performed between December 2021 and February 2022 and matches the conditions on those dates; conditions of ADA facilities can change over time and should be re-evaluated throughout the project.

The routes were numbered, and an index is provided in Appendix A. EDSI utilized GIS mapping with iPad data recorders and aerial photography to log the data. The data was then segregated by route number and cost estimates prepared for each route.

The field data collection was focused on the ADA compliance and conformance to MoDOT Standards of the following sidewalk and roadway elements inside the MoDOT right-of-way:

- Sidewalks; Inspected for width, cross slopes, obstructions, and driveway crossings.
- Curb Ramps; Inspected for running slopes, cross slopes, widths, truncated domes, and landing areas.
- Pedestrian Signal Equipment: Inspected for push-button types, location, reaches, and heights. Pedestrian signal heads were inspected for countdowns and audible signaling.
- Ramps; Inspected for cross slopes, running slopes, and handrails.
- Median Cut-throughs; Inspected for widths, slopes, and truncated domes.

All non-compliant items were field entered into the data recorders with the non-compliant element type and quantity. Pedestrian Signal Equipment was considered non-compliant for the entire intersection if any one item in the intersection was found non-compliant.

The information in the field data recorders was then transferred to a MicroStation CAD drawing. The CAD drawing is provided with this report. To visualize the project, it includes an overview of each route with the property parcels and the individual non-compliant data shown in the drawing. The field data was also tabulated into an Excel file, segregated by route number, and sorted by roadway element. The information was then tabulated for cost estimating purposes, and a report was created that estimates the cost for each route.

The field data is also included in a Google Earth (.kmz) file.

Note that each route is summarized by element, and the total cost for that route is provided in Appendix C. Complete itemized data for non-compliance is supplied in Appendix E. The complete raw data is

## **MoDOT J6P3510 ADA Route Inventory**

available in the Excel file and segregated by route number. Visually the information is presented in Appendix D and available in the MicroStation file.

## **4.0 COST ESTIMATING PROCEDURES**

The cost estimates were prepared by pricing out the individual roadway and sidewalk elements and then summarizing them into a total cost estimate for the specific route. Each element uses a methodology correlated to the MoDOT standard bid tabs. The Cost Estimate Method for each component is included in Appendix E, and unit prices are included in Appendix B.

Of note:

- All proposed sidewalk work is estimated to be 5' wide.
- Pedestrian Signal replacement is an estimate to replace the entire intersection equipment
- Crosswalk painting is only listed where the existing pavement markings need replacement in 2022. This item does not anticipate any wear over time of existing painted intersections that may need paint in the future.
- Right-of-Way (ROW) costs are not included in these estimates. However, the reporting summarizes the expected ROW needs for each route.

## **5.0 PARCEL IMPACT PROCEDURES**

The collected field data is overlaid on the GIS maps and parcel drawings in the MicroStation CAD File. The elements that conflicted with the ROW were identified in the CAD file. The drawings were then updated to allow a minimum of 1' of space from the proposed improvement, and this space is classified as a Permanent Sidewalk Easement (PSWE). From that 1' width, an additional 5' of space was drawn, and this area is classified as Temporary Construction Easement (TCE). Each of the easements is then broken down into Residential or Commercial classifications.

Easement areas were calculated based on the updated drawings and are tabulated and summarized for each route and documented in Appendix B, C, and E.

## **6.0 AREAS OF DESIGN CHALLENGES**

During the final design of the ADA improvements to these routes, the designer will face some challenges meeting the ADA requirements and maintaining a reasonable budget. Some of the inspection observations related to design challenges are as follows:

- Sidewalks installed directly along the roadway curb need to be 6' wide to be compliant. In some instances, these sidewalks are only 4' or 5' wide and have a retaining wall along the walkway or a steep cross slope to a retaining wall. The retaining wall would need to be moved to design a compliant walkway. In some cases, moving the retaining wall will be an expensive operation.  
Two routes that exhibit this concern are:
  - o Route 340 (#16) has three cast-in-place concrete walls next to the sidewalk that would need to be moved. Costs for this item have not been included in the totals.
  - o Route 340 (#18) has three modular block walls next to the sidewalk and would need to be moved. \$60,000 was budgeted for moving these three retaining walls. However, it may need to be higher based on the impact to the neighboring property usage, removal costs, utility conflicts, and handrail requirements.
- Several routes have utility poles directly on the sidewalk. Relocating utility poles may have costs higher than the estimates as the locations to move the poles have present design challenges.
- Route I-70 (#10) has a pedestrian bridge replacement included in the cost estimate. Pricing provided by MoDOT is based on previous projects and does not include potential challenges that could appear in the design phase.
- Route I-55 (#28) has a pedestrian bridge that is closed off on each end and is currently closed to pedestrians. The bridge has concrete steps leading to the span on each side. The bridge is scheduled to be removed in 2022 under job number J6I3187 and there are no costs included in this report for the bridge.

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### **7.0 ELECTRONIC DELIVERABLES**

The following deliverables are provided as separate electronic files.

- Cost estimates Excel file (J6P3510 Cost estimates 4-8-22.xls)
- Route data Excel file (J6P3510 Route data 4-1-22.xls)
- Route overview Microstation file (J6P3510 Route overview 4-8-22.dgn)
- Final report (J6P3510 MoDOT ADA Inventory Report 4-8-22.pdf)
- GIS and KMZ files (J6P3510 GIS data files 4-1-22.zip)
- Aerial Backgrounds.zip
- CAD Exhibits.zip

### **8.0 ATTACHMENTS**

## **A - ROUTE INDEX**

## MoDOT ADA Inventory - Route Index

Route Index

April 2022

Route #	Route Name	Begin Point	End Point	Dist. (ft)
1	MO 141	I55	US 61/67	2,025
2	MO 141	Gravois Bluffs	Springdale/13th	8,445
3	I55	Butler Hill	Rte M	53,501
4A	I55 WOR	Vogel	s/o Morgan	22,156
4B	I55 WOR	Vogel	s/o Morgan	12,038
5	Rte F	Pacific I-44	Jefferson	15,828
6	MO 115 - Natural Bridge	I70	I170	6,359
7	I70 SOR - Natural Bridge	Airflight	70 on-ramps	5,833
8	Rte EE - Woodson Rd	St. Charles Roack Rd	I-70 Outer Road	23,022
9	I70	whole route through North Area		68,078
10	I170	whole route through North Area		57,827
11	MO 367 EOR	whole route		15,676
12	MO 367 WOR	whole route		15,760
13	MO 367	Chambers	Goodfellow	8,103
14	MO 367	Jennings Station	Riverview	2,402
15	MO 340	I-170	Skinker	19,605
16	MO 340	Kehr's Mill	Manchester	10,775
17	MO 340	Monsanto Dr	Warson	862
18	MO 340	IS 270	New Ballas	1,794
20	MO 141 WOR	Crescent	Plainview	4,493
21	MO 141 WOR	Around RAB		1,000
22	Woods Mill Rd	Brooking Park	Parkway Central HS	5,811
23	MO 100	Baxter	MO 340	18,617
24	MO 109	Shepherd	Clayton	622
25	MO 109 - Eureka	Central Ave		200
26	Rte CC - Wild Horse Creek Rd	Route 109	I64	32,700
27	MO 30	MO 141	Valcour	34,749
28	I55	Bayless	Jeff Co Line	43,785
29	I44 NOR	I270 WOR	Geyer	5,167
30	I44	MO 109	Laclede Station	93,345
31	MO 94	Sunset Drive	I70	919
32	Old MO 94 - (MO 94 NOR)	Zumbehl Rd	Hollowbrook	675
33	Rte DD - Winghaven Blvd	Hammack Rd	Technology Dr.	816
34	Rte K	Mexico	Babble Creek	7,934
35	Lake St. Louis Blvd.	I-64	Technology Dr.	1,700
36	MO 364 SOR	w/o Twin Chimneys	Twin Chimneys	4,358
37A	I70 NOR	Bryan	Route K	8,144
37B	I70 SOR	Bryan	Route K	9,176
38	I70 NOR	Executive Centre Pkwy	Shady Springs Lane	3,243
39	I44 OR (disconnected segments)	39th	Allen	762
40	MO 100	Prather Ave	Mitchell Ave	2,293
41	I70	Carr	MLK Bridge	3,024
42	I70	Union	Kingshighway	1,740

## **B – PROJECT COST ESTIMATE**

## MoDOT ADA Inventory - Project Cost Estimate

Cost Estimate & Parcel Impact Summary

April 2022

Route #	Route Name	Right of Way Impacts (SF of Area)				# Parcels Effected	Total Cost Estimate		
		Commercial		Residential					
		TCE	PSWE	TCE	PSWE				
1	MO 141	176	60	0	0	2	\$168,120		
2	MO 141	0	0	0	0	0	\$64,970		
3	I55	0	0	0	0	0	\$16,900		
4A	I55 WOR	0	0	0	0	0	\$136,710		
4B	I55 WOR	0	0	0	0	0	\$136,710		
5	Rte F	5,186	27,535	0	0	10	\$31,700		
6	MO 115 - Natural Bridge	5,484	8,679	0	0	5	\$271,570		
7	I70 SOR - Natural Bridge	9,648	20,643	0	0	8	\$471,190		
8	Rte EE - Woodson Rd	0	0	0	0	0	\$360,350		
9	I70	0	0	0	0	0	\$377,270		
10	I170	0	0	0	0	0	\$516,540		
11	MO 367 EOR	833	1,179	0	0	3	\$337,640		
12	MO 367 WOR	3,500	18,009	0	0	3	\$234,460		
13	MO 367	0	0	0	0	0	\$70,240		
14	MO 367	0	0	0	0	0	\$82,330		
15	MO 340	3,587	6,864	0	0	22	\$628,170		
16	MO 340	16,857	46,610	227	582	17	\$1,447,530		
17	MO 340	3,219	6,457	0	0	1	\$67,750		
18	MO 340	7,059	8,840	0	0	7	\$594,810		
20	MO 141 WOR	4,636	9,275	0	0	3	\$305,540		
21	MO 141 WOR	0	0	0	0	0	\$43,340		
22	Woods Mill Rd	0	0	0	0	0	\$132,910		
23	MO 100	22,577	14,345	0	0	23	\$1,156,360		
24	MO 109	2,608	4,472	0	0	1	\$248,300		
25	MO 109 - Eureka	0	0	0	0	0	\$19,590		
26	Rte CC - Wild Horse Creek Rd	285	515	1,429	4,807	13	\$535,100		
27	MO 30	1,587	551	2,938	718	11	\$3,353,370		
28	I55	7,734	2,341	0	0	6	\$405,190		
29	I44 NOR	0	0	0	0	0	\$7,310		
30	I44	0	0	0	0	0	\$373,040		
31	MO 94	458	563	0	0	1	\$230,680		
32	Old MO 94 - (MO 94 NOR)	0	0	0	0	0	\$14,760		
33	Rte DD - Winghaven Blvd	4,105	3,524	0	0	6	\$167,480		
34	Rte K	19,038	33,235	0	0	24	\$1,296,130		
35	Lake St. Louis Blvd.	407	2,913	885	1,073	2	\$207,220		
36	MO 364 SOR	7,912	7,922	0	0	4	\$105,490		
37A	I70 NOR	635	574	0	0	2	\$122,800		
37B	I70 SOR	11,377	5,595	0	0	5	\$459,620		
38	I70 NOR	0	0	0	0	0	\$12,660		
39	I44 OR (disconnected segments)	176	202	0	0	1	\$69,170		
40	MO 100	2,112	6,230	0	0	6	\$530,340		
41	I70	1,045	3,638	0	0	1	\$487,750		
42	I70	88	27	0	0	2	\$271,790		
TOTALS		142,330	240,799	5,478	7,180	189	<b>\$16,570,900</b>		
		SF	SF	SF	SF	EA			

**Notes:** Cost estimates do not include ROW impacts

Assumed a 20% Contingency

Assumed 10% Removal of Improvements

Assumed 10% Traffic Control

Assumed 12% Engineering

Assumed 10% Construction Administration

## MoDOT ADA Inventory - Pay Item Units

Pay Item Units  
April 2022

### SIDEWALKS

Pay Item	Description	Units	Unit cost
6086004	Concrete Sidewalk, 4 IN.	SY	\$65.00
6086007	Concrete Sidewalk, 7 IN.	SY	\$85.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	\$6.00

### CURB RAMPS

Pay Item	Description	Units	Unit cost
6081010	Concrete Curb Ramp	SY	\$500.00
6081012	Truncated Domes	SF	\$29.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	\$6.00

### ISLAND CUT-THRUS

Pay Item	Description	Units	Unit cost
6086007	Concrete Sidewalk, 7 IN.	SY	\$85.00
6081000	Concrete Median	SY	\$70.00
6081012	Truncated Domes	SF	\$29.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	\$6.00

### PEDESTRIAN SIGNALS

Pay Item	Description	Units	Unit cost
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	\$900.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	\$38.00
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	\$60.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	\$900.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	\$13.20
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	\$28.80
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	\$850.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	\$1.35
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	\$1.68
9028811	PULL BOX, PREFORMED CLASS 2	EA	\$2,000.00
9029100	BASE, CONCRETE	CY	\$1,670.00
9029902	4 FT. PED POST	EA	\$700.00

### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	Unit cost
6085008	Paved Approach, 8 IN.	SY	\$95.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	\$92.00
4013000	Bituminous Pavement Mix. PG64-22 (Base)	TON	\$80.00
4030009	Bituminous Pavement Mix. PG76-22 (SP95BSM)	TON	\$132.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	\$6.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	\$20.00

### CURB REPLACEMENTS

Pay Item	Description	Units	Unit cost
6091052	Curb & Gutter, Type B	LF	\$35.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	\$20.00

### SIGN RELOCATIONS

Pay Item	Description	Units	Unit cost
9035069A	SHF-Flat Sheet Fluorescent	SF	\$38.00
9031220	Pipe Post	LBS	\$6.00
9031010	Concrete Footing	CY	\$1,750.00

## **C – ROUTE IMPROVEMENTS**

## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 141</b>	Route #: <b>1</b>
From: I-55	To: US 61/67
<b>Total Cost Estimate:</b>	<b>\$168,120</b>

Sub-Total + Contingency Cost (20%)	\$114,820
Removal of Improvements (10%)	\$11,490
Traffic Control (10%)	\$11,490
Engineering Cost (12%)	\$16,540
Construction Administration Cost (10%)	\$13,780

INDIVIDUAL ITEMS	Quantity	Cost
Sidewalks	47 LF	\$2,373
Ramps	590 SF	\$41,974
Island Cut-thru	1011 SF	\$21,265
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	54 LF	\$1,965
Sign Relocation	2 EA	\$2,870
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	176 SF	
PSWE - Commercial	60 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	2 EA	
Total cost: \$114,820		

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 141</b>	Route # <b>2</b>
From: Gravois Bluffs	To: Springdale/13th
<b>Total Cost Estimate:</b>	<b>\$64,970</b>

Sub-Total + Contingency Cost (20%)	\$44,370
Removal of Improvements (10%)	\$4,440
Traffic Control (10%)	\$4,440
Engineering Cost (12%)	\$6,390
Construction Administration Cost (10%)	\$5,330

INDIVIDUAL ITEMS	Quantity	Cost
Sidewalks	0 LF	\$0
Ramps	0 SF	\$0
Island Cut-thru	0 SF	\$0
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
Total cost:		\$44,370

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-55	Route # 3
From: Butler Hill	To: Rte M
<b>Total Cost Estimate:</b>	<b>\$16,900</b>

Sub-Total + Contingency Cost (20%)	\$11,520
Removal of Improvements (10%)	\$1,160
Traffic Control (10%)	\$1,160
Engineering Cost (12%)	\$1,670
Construction Administration Cost (10%)	\$1,390

INDIVIDUAL ITEMS	Quantity	Cost
Sidewalks	0 LF	\$0
Ramps	51 SF	\$3,774
Island Cut-thru	197 SF	\$4,868
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	2 EA	\$2,870
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
		\$11,512

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-55 WOR	Route # 4A
From: Vogel	To: S/O Morgan
<b>Total Cost Estimate:</b>	<b>\$136,710</b>

Sub-Total + Contingency Cost (20%)	\$93,370
Removal of Improvements (10%)	\$9,340
Traffic Control (10%)	\$9,340
Engineering Cost (12%)	\$13,450
Construction Administration Cost (10%)	\$11,210

INDIVIDUAL ITEMS		Cost
Sidewalks	0 LF	\$0
Ramps	0 SF	\$0
Island Cut-thru	2300 SF	\$39,966
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	7 EA	\$8,134
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	1 EA	\$900
Cross walk painting	1 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
		\$93,364

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-55 WOR	Route # 4B
From: Vogel	To: S/O Morgan
<b>Total Cost Estimate:</b>	<b>\$31,700</b>

Sub-Total + Contingency Cost (20%)	\$21,640
Removal of Improvements (10%)	\$2,170
Traffic Control (10%)	\$2,170
Engineering Cost (12%)	\$3,120
Construction Administration Cost (10%)	\$2,600

INDIVIDUAL ITEMS		Cost
Sidewalks	430 LF	\$21,634
Ramps	0 SF	\$0
Island Cut-thru	0 SF	\$0
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
		Total cost: \$21,640

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: Rte F	Route # 5
From: Pacific I-44	To: Jefferson
<b>Total Cost Estimate:</b>	<b>\$271,570</b>

Sub-Total + Contingency Cost (20%)	\$187,010
Removal of Improvements (10%)	\$18,710
Traffic Control (10%)	\$18,710
Engineering Cost (12%)	\$24,690
Construction Administration Cost (10%)	\$22,450

INDIVIDUAL ITEMS		Cost
Sidewalks	206 LF	\$10,374
Ramps	1599 SF	\$117,005
Island Cut-thru	0 SF	\$0
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	56 LF	\$2,058
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	2 EA	\$6,000
Misc Relocation	8 EA	\$7,200
Cross walk painting	8 EA	
TCE - Commercial	5186 SF	
PSWE - Commercial	27535 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	10 EA	
		Total cost: \$187,010

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 115</b>	Route #: <b>6</b>
From: I-70	To: I-170
<b>Total Cost Estimate:</b>	<b>\$316,050</b>

Sub-Total + Contingency Cost (20%)	\$215,870
Removal of Improvements (10%)	\$21,590
Traffic Control (10%)	\$21,590
Engineering Cost (12%)	\$31,090
Construction Administration Cost (10%)	\$25,910

INDIVIDUAL ITEMS		Cost
Sidewalks	1286 LF	\$64,640
Ramps	1338 SF	\$97,557
Island Cut-thru	0 SF	\$0
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	90 LF	\$3,304
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	2 EA	\$6,000
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	5484 SF	
PSWE - Commercial	8679 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	5 EA	
Total cost:		\$215,870

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-70	Route #: 7
From: Airlift	To: I-70 On-ramp
<b>Total Cost Estimate:</b>	<b>\$471,190</b>

Sub-Total + Contingency Cost (20%)	\$321,830
Removal of Improvements (10%)	\$32,190
Traffic Control (10%)	\$32,190
Engineering Cost (12%)	\$46,350
Construction Administration Cost (10%)	\$38,630

INDIVIDUAL ITEMS	Quantity	Cost
Sidewalks	3064 LF	\$154,012
Ramps	616 SF	\$44,457
Island Cut-thru	568 SF	\$10,746
Pedestrian Signals	2 EA	\$88,728
Driveways	765 SF	\$16,709
Curbs	147 LF	\$5,371
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$1,800
Cross walk painting	2 EA	
TCE - Commercial	9648 SF	
PSWE - Commercial	20643 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	8 EA	
Total cost:		\$321,830

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: RTE EE	Route #: 8
From: St. Chs Rock Rd	To: I-70 Outer Rd
<b>Total Cost Estimate:</b>	<b>\$360,350</b>

Sub-Total + Contingency Cost (20%)	\$246,120
Removal of Improvements (10%)	\$24,620
Traffic Control (10%)	\$24,620
Engineering Cost (12%)	\$35,450
Construction Administration Cost (10%)	\$29,540

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	103 LF	\$5,180
Ramps	873 SF	\$131,628
Island Cut-thru	288 SF	\$6,304
Pedestrian Signals	2 EA	\$88,728
Driveways	0 SF	\$0
Curbs	21 LF	\$773
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$13,500
Cross walk painting	15 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
Total cost:		\$246,120

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-70	Route #: 9
From: Entire route	To: North area
<b>Total Cost Estimate:</b>	<b>\$377,270</b>

Sub-Total + Contingency Cost (20%)	\$257,690
Removal of Improvements (10%)	\$25,770
Traffic Control (10%)	\$25,770
Engineering Cost (12%)	\$37,110
Construction Administration Cost (10%)	\$30,930

INDIVIDUAL ITEMS		Cost
Sidewalks	270 LF	\$13,553
Ramps	1825 SF	\$133,014
Island Cut-thru	0 SF	\$0
Pedestrian Signals	2 EA	\$88,728
Driveways	0 SF	\$840
Curbs	15 LF	\$546
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	1 EA	\$3,000
Misc Relocation	0 EA	\$18,000
Cross walk painting	20 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
		Total cost: \$257,690

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-170	Route #: 10
From: Entire Route	To: North area
<b>Total Cost Estimate:</b>	<b>\$516,540</b>

Sub-Total + Contingency Cost (20%)	\$352,810
Removal of Improvements (10%)	\$35,290
Traffic Control (10%)	\$35,290
Engineering Cost (12%)	\$50,810
Construction Administration Cost (10%)	\$42,340

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	1849 LF	\$92,931
Ramps	246 SF	\$19,538
Island Cut-thru	764 SF	\$18,204
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	228 LF	\$8,345
Sign Relocation	11 EA	\$15,784
Utility Relocation	2 EA	\$36,000
Drainage Relocation	2 EA	\$6,000
Misc Relocation	1 EA	\$156,000
Cross walk painting	0 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
Total cost:		\$352,810

### **SPECIAL NOTES:**

Pedestrian bridge needs removal and replacement

Cost estimates provided by MoDOT

## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 367EOR</b> Route #: <b>11</b>	
From: Entire route	To: North of I-270
<b>Total Cost Estimate:</b>	<b>\$337,640</b>

Sub-Total + Contingency Cost (20%)	\$230,610
Removal of Improvements (10%)	\$23,070
Traffic Control (10%)	\$23,070
Engineering Cost (12%)	\$33,210
Construction Administration Cost (10%)	\$27,680

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	65 LF	\$3,265
Ramps	547 SF	\$42,754
Island Cut-thru	0 SF	\$0
Pedestrian Signals	4 EA	\$177,456
Driveways	0 SF	\$0
Curbs	72 LF	\$2,632
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$4,500
Cross walk painting	5 EA	
TCE - Commercial	833 SF	
PSWE - Commercial	1179 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	3 EA	
Total cost:		\$230,610

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 367WOR</b> Route #: <b>12</b>	
From: Entire route	To: North of I-270
<b>Total Cost Estimate:</b>	<b>\$234,460</b>

Sub-Total + Contingency Cost (20%)	\$160,130
Removal of Improvements (10%)	\$16,020
Traffic Control (10%)	\$16,020
Engineering Cost (12%)	\$23,070
Construction Administration Cost (10%)	\$19,220

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	60 LF	\$3,003
Ramps	121 SF	\$9,626
Island Cut-thru	0 SF	\$0
Pedestrian Signals	3 EA	\$133,092
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	1 EA	\$14,400
Cross walk painting	6 EA	
TCE - Commercial	3500 SF	
PSWE - Commercial	18009 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	3 EA	
Total cost:		\$160,130

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 367</b>	Route #: <b>13</b>
From: Chambers	To: Goodfellow
<b>Total Cost Estimate:</b>	<b>\$70,240</b>

Sub-Total + Contingency Cost (20%)	\$47,970
Removal of Improvements (10%)	\$4,800
Traffic Control (10%)	\$4,800
Engineering Cost (12%)	\$6,910
Construction Administration Cost (10%)	\$5,760

INDIVIDUAL ITEMS		Cost
Sidewalks	0 LF	\$0
Ramps	0 SF	\$0
Island Cut-thru	0 SF	\$0
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$3,600
Cross walk painting	4 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
Total cost:		\$47,970

### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 367</b>	ROUTE #: <b>14</b>
From: Jennings Station	To: Riverview
<b>Total Cost Estimate:</b>	<b>\$82,330</b>

Sub-Total + Contingency Cost (20%)	\$56,220
Removal of Improvements (10%)	\$5,630
Traffic Control (10%)	\$5,630
Engineering Cost (12%)	\$8,100
Construction Administration Cost (10%)	\$6,750

INDIVIDUAL ITEMS		Cost
Sidewalks	140 LF	\$7,028
Ramps	13 SF	\$1,222
Island Cut-thru	0 SF	\$0
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$3,600
Cross walk painting	4 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
Total cost:		\$56,220

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 340</b>	Route #: <b>15</b>
From: I-170	To: Skinker
<b>Total Cost Estimate:</b>	<b>\$628,170</b>

Sub-Total + Contingency Cost (20%)	\$429,070
Removal of Improvements (10%)	\$42,910
Traffic Control (10%)	\$42,910
Engineering Cost (12%)	\$61,790
Construction Administration Cost (10%)	\$51,490

INDIVIDUAL ITEMS		Cost
Sidewalks	574 LF	\$28,831
Ramps	361 SF	\$29,477
Island Cut-thru	0 SF	\$0
Pedestrian Signals	7 EA	\$310,549
Driveways	0 SF	\$0
Curbs	38 LF	\$1,405
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	7 EA	\$58,800
Cross walk painting	42 EA	
TCE - Commercial	3587 SF	
PSWE - Commercial	6864 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	21 EA	
Total cost:		\$429,070

### **SPECIAL NOTES:**

Several utility poles directly in the middle of the sidewalk

## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 340</b>	ROUTE #: <b>16</b>
From: Kehr's Mill	To: Manchester
<b>Total Cost Estimate:</b>	<b>\$1,447,530</b>

Sub-Total + Contingency Cost (20%)	\$988,740
Removal of Improvements (10%)	\$98,880
Traffic Control (10%)	\$98,880
Engineering Cost (12%)	\$142,380
Construction Administration Cost (10%)	\$118,650

INDIVIDUAL ITEMS		Cost
Sidewalks	6314 LF	\$317,347
Ramps	2402 SF	\$171,906
Island Cut-thru	737 SF	\$16,908
Pedestrian Signals	4 EA	\$177,456
Driveways	11806 SF	\$243,697
Curbs	23 LF	\$849
Sign Relocation	5 EA	\$7,175
Utility Relocation	0 EA	\$0
Drainage Relocation	1 EA	\$3,000
Misc Relocation	4 EA	\$50,400
Cross walk painting	16 EA	
TCE - Commercial	16857 SF	
PSWE - Commercial	46610 SF	
TCE - Residential	227 SF	
PSWE - Residential	582 SF	
Parcels impacted	17 EA	
Total cost:		\$988,740

### SPECIAL NOTES:

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Two retaining walls would need to be moved for sidewalk widening. Large cost impact not included here.  
Item 125 - Storm sewer inlet behind wall will be impacted in widening the ramp. Cost impact unknown.

## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 340</b>	Route #: <b>17</b>
From: Monsanto Dr.	To: Warson Rd.
<b>Total Cost Estimate:</b>	<b>\$67,750</b>

Sub-Total + Contingency Cost (20%)	\$46,260
Removal of Improvements (10%)	\$4,630
Traffic Control (10%)	\$4,630
Engineering Cost (12%)	\$6,670
Construction Administration Cost (10%)	\$5,560

INDIVIDUAL ITEMS		Cost
Sidewalks	412 LF	\$31,575
Ramps	132 SF	\$10,025
Island Cut-thru	0 SF	\$0
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	2 EA	\$2,854
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$1,800
Cross walk painting	2 EA	
TCE - Commercial	3219 SF	
PSWE - Commercial	6457 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	1 EA	
Total cost:		\$46,260

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 340</b>	Route #: <b>18</b>
From: I-270	To: New Ballas
<b>Total Cost Estimate:</b>	<b>\$594,810</b>

Sub-Total + Contingency Cost (20%)	\$406,280
Removal of Improvements (10%)	\$40,630
Traffic Control (10%)	\$40,630
Engineering Cost (12%)	\$58,510
Construction Administration Cost (10%)	\$48,760

INDIVIDUAL ITEMS		Cost
Sidewalks	1860 LF	\$93,488
Ramps	1510 SF	\$112,493
Island Cut-thru	75 SF	\$1,182
Pedestrian Signals	2 EA	\$88,728
Driveways	0 SF	\$0
Curbs	16 LF	\$586
Sign Relocation	0 EA	\$0
Utility Relocation	2 EA	\$36,000
Drainage Relocation	0 EA	\$0
Misc Relocation	3 EA	\$73,800
Cross walk painting	2 EA	
TCE - Commercial	7059 SF	
PSWE - Commercial	8840 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	7 EA	
Total cost:		\$406,280

### SPECIAL NOTES:

Three retaining walls impact sidewalk width increases and could be significantly more than the \$60K estimated here.

## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO141 WOR Route #:</b>	<b>20</b>
From: Cresent	To: Plainview
<b>Total Cost Estimate:</b>	<b>\$305,540</b>

Sub-Total + Contingency Cost (20%)	\$208,690
Removal of Improvements (10%)	\$20,870
Traffic Control (10%)	\$20,870
Engineering Cost (12%)	\$30,060
Construction Administration Cost (10%)	\$25,050

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	2359 LF	\$118,569
Ramps	326 SF	\$23,077
Island Cut-thru	0 SF	\$0
Pedestrian Signals	0 EA	\$0
Driveways	2087 SF	\$55,042
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	1 EA	\$12,000
Cross walk painting	0 EA	
TCE - Commercial	4636 SF	
PSWE - Commercial	9275 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	3 EA	
		<b>Total cost: \$208,690</b>

### **SPECIAL NOTES:**

Significantly large block retaining wall located along sidewalk and will impact widening.  
 Costs not accounted for here due to complexity.

## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO141 WOR Route #: 21</b>	
From: Around	To: Round-a-bout
<b>Total Cost Estimate:</b>	<b>\$43,340</b>

Sub-Total + Contingency Cost (20%)	\$29,590
Removal of Improvements (10%)	\$2,960
Traffic Control (10%)	\$2,960
Engineering Cost (12%)	\$4,270
Construction Administration Cost (10%)	\$3,560

INDIVIDUAL ITEMS		Cost
Sidewalks	244 LF	\$12,273
Ramps	235 SF	\$17,316
Island Cut-thru	0 SF	\$0
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
Total cost:		\$29,590

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: Woods Mill	Route #: 22
From: Brooking Park	To: Parkway CHS
<b>Total Cost Estimate:</b>	<b>\$132,910</b>

Sub-Total + Contingency Cost (20%)	\$90,770
Removal of Improvements (10%)	\$9,080
Traffic Control (10%)	\$9,080
Engineering Cost (12%)	\$13,080
Construction Administration Cost (10%)	\$10,900

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	399 LF	\$20,037
Ramps	326 SF	\$24,207
Island Cut-thru	0 SF	\$0
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	2 EA	\$2,160
Cross walk painting	2 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
Total cost:		\$90,770

### **SPECIAL NOTES:**

Most of the sidewalk issues in this section are related to settlement around manholes.

Mudjacking may be easier than concrete replacements.

## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 100</b>	ROUTE #: <b>23</b>
From: Baxter	To: Route 340
<b>Total Cost Estimate:</b>	<b>\$1,156,360</b>

Sub-Total + Contingency Cost (20%)	\$789,850
Removal of Improvements (10%)	\$78,990
Traffic Control (10%)	\$78,990
Engineering Cost (12%)	\$113,740
Construction Administration Cost (10%)	\$94,790

INDIVIDUAL ITEMS		Cost
Sidewalks	1072 LF	\$53,891
Ramps	2784 SF	\$194,775
Island Cut-thru	2410 SF	\$43,457
Pedestrian Signals	7 EA	\$310,549
Driveways	0 SF	\$1,680
Curbs	19 LF	\$691
Sign Relocation	0 EA	\$0
Utility Relocation	10 EA	\$120,000
Drainage Relocation	8 EA	\$24,000
Misc Relocation	4 EA	\$40,800
Cross walk painting	32 EA	
TCE - Commercial	22577 SF	
PSWE - Commercial	14345 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	23 EA	
Total cost:		\$789,850

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 109</b>	Route #: <b>24</b>
From: Shepard	To: Clayton
<b>Total Cost Estimate:</b>	<b>\$248,300</b>

Sub-Total + Contingency Cost (20%)	\$169,590
Removal of Improvements (10%)	\$16,960
Traffic Control (10%)	\$16,960
Engineering Cost (12%)	\$24,430
Construction Administration Cost (10%)	\$20,360

INDIVIDUAL ITEMS		Cost
Sidewalks	1308 LF	\$65,741
Ramps	276 SF	\$19,738
Island Cut-thru	283 SF	\$6,230
Pedestrian Signals	1 EA	\$44,364
Driveways	941 SF	\$24,512
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	1 EA	\$9,000
Cross walk painting	0 EA	
TCE - Commercial	2608 SF	
PSWE - Commercial	4472 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	1 EA	
Total cost:		\$169,590

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 109</b>	Route #: <b>25</b>
From: Central Avenue	To: 0
<b>Total Cost Estimate:</b>	<b>\$19,590</b>

Sub-Total + Contingency Cost (20%)	\$13,370
Removal of Improvements (10%)	\$1,340
Traffic Control (10%)	\$1,340
Engineering Cost (12%)	\$1,930
Construction Administration Cost (10%)	\$1,610

INDIVIDUAL ITEMS		Cost
Sidewalks	159 LF	\$7,991
Ramps	0 SF	\$0
Island Cut-thru	229 SF	\$5,373
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	\$0
TCE - Commercial	0 SF	\$0
PSWE - Commercial	0 SF	\$0
TCE - Residential	0 SF	\$0
PSWE - Residential	0 SF	\$0
Parcels impacted	0 EA	\$0
Total cost:		\$13,370

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>Route CC</b>	Route #: <b>26</b>
From: MO 109	To: I-64
<b>Total Cost Estimate:</b>	<b>\$535,100</b>

Sub-Total + Contingency Cost (20%)	\$365,500
Removal of Improvements (10%)	\$36,550
Traffic Control (10%)	\$36,550
Engineering Cost (12%)	\$52,640
Construction Administration Cost (10%)	\$43,860

INDIVIDUAL ITEMS		Cost
Sidewalks	1290 LF	\$64,859
Ramps	2002 SF	\$143,841
Island Cut-thru	1175 SF	\$23,866
Pedestrian Signals	2 EA	\$88,728
Driveways	436 SF	\$11,800
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	1 EA	\$18,000
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$14,400
Cross walk painting	16 EA	
TCE - Commercial	285 SF	
PSWE - Commercial	515 SF	
TCE - Residential	1429 SF	
PSWE - Residential	4807 SF	
Parcels impacted	13 EA	
Total cost:		\$365,500

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 30</b>	Route #: <b>27</b>
From: MO 141	To: Valcour
<b>Total Cost Estimate:</b>	<b>\$3,353,370</b>

Sub-Total + Contingency Cost (20%)	\$2,290,540
Removal of Improvements (10%)	\$229,060
Traffic Control (10%)	\$229,060
Engineering Cost (12%)	\$329,840
Construction Administration Cost (10%)	\$274,870

INDIVIDUAL ITEMS		Cost
Sidewalks	19491 LF	\$979,606
Ramps	7219 SF	\$512,599
Island Cut-thru	29 SF	\$1,335
Pedestrian Signals	4 EA	\$177,456
Driveways	17099 SF	\$456,353
Curbs	0 LF	\$0
Sign Relocation	7 EA	\$10,181
Utility Relocation	3 EA	\$54,000
Drainage Relocation	22 EA	\$66,000
Misc Relocation	11 EA	\$33,000
Cross walk painting	0 EA	
TCE - Commercial	1587 SF	
PSWE - Commercial	551 SF	
TCE - Residential	2938 SF	
PSWE - Residential	718 SF	
Parcels impacted	11 EA	
Total cost:		\$2,290,540

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-55	Route #: 28
From: Bayless	To: Jeff Co Line
<b>Total Cost Estimate:</b>	<b>\$405,190</b>

Sub-Total + Contingency Cost (20%)	\$276,750
Removal of Improvements (10%)	\$27,680
Traffic Control (10%)	\$27,680
Engineering Cost (12%)	\$39,860
Construction Administration Cost (10%)	\$33,220

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	2593 LF	\$130,331
Ramps	575 SF	\$41,375
Island Cut-thru	254 SF	\$5,774
Pedestrian Signals	2 EA	\$88,728
Driveways	0 SF	\$0
Curbs	245 LF	\$8,961
Sign Relocation	1 EA	\$1,572
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	7734 SF	
PSWE - Commercial	2341 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	6 EA	
		<b>Total cost: \$276,750</b>

### **SPECIAL NOTES:**

Existing pedestrian bridge at I-55 north of Reavis Barracks is non-compliant due to approach walkways on both side are concrete stairs. Costs for replacement are not included here. Bridge is scheduled to be replaced in 2022 under Job #J6I3187.

## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-44 NOR	Route #: 29
From: I-270 WOR	To: Geyer
<b>Total Cost Estimate:</b>	<b>\$7,310</b>

Sub-Total + Contingency Cost (20%)	\$4,990
Removal of Improvements (10%)	\$500
Traffic Control (10%)	\$500
Engineering Cost (12%)	\$720
Construction Administration Cost (10%)	\$600

INDIVIDUAL ITEMS		Cost
Sidewalks	28 LF	\$1,416
Ramps	0 SF	\$0
Island Cut-thru	0 SF	\$0
Pedestrian Signals	0 EA	\$0
Driveways	103 SF	\$3,430
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$137
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
		Total cost: \$4,990

---

### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: MO I-44	ROUTE #: 30
From: 109	To: Laclede Station
<b>Total Cost Estimate:</b>	<b>\$373,040</b>

Sub-Total + Contingency Cost (20%)	\$254,800
Removal of Improvements (10%)	\$25,480
Traffic Control (10%)	\$25,480
Engineering Cost (12%)	\$36,700
Construction Administration Cost (10%)	\$30,580

INDIVIDUAL ITEMS		Cost
Sidewalks	449 LF	\$22,585
Ramps	388 SF	\$32,780
Island Cut-thru	581 SF	\$13,573
Pedestrian Signals	4 EA	\$177,456
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	1 EA	\$3,000
Misc Relocation	0 EA	\$5,400
Cross walk painting	6 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
		Total cost: \$254,800

---

### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 94</b>	Route #: <b>31</b>
From: Sunset Drive	To: I-70
<b>Total Cost Estimate:</b>	<b>\$230,680</b>

Sub-Total + Contingency Cost (20%)	\$157,560
Removal of Improvements (10%)	\$15,760
Traffic Control (10%)	\$15,760
Engineering Cost (12%)	\$22,690
Construction Administration Cost (10%)	\$18,910

INDIVIDUAL ITEMS		Cost
Sidewalks	405 LF	\$20,371
Ramps	940 SF	\$67,087
Island Cut-thru	474 SF	\$10,136
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	2 EA	\$6,000
Misc Relocation	2 EA	\$9,600
Cross walk painting	8 EA	
TCE - Commercial	458 SF	
PSWE - Commercial	563 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	1 EA	
Total cost:		\$157,560

---

### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>OLD MO 94</b>	Route #: <b>32</b>
From: Zumbehl Rd	To: Hollowbrook
<b>Total Cost Estimate:</b>	<b>\$14,760</b>

Sub-Total + Contingency Cost (20%)	\$10,070
Removal of Improvements (10%)	\$1,010
Traffic Control (10%)	\$1,010
Engineering Cost (12%)	\$1,460
Construction Administration Cost (10%)	\$1,210

INDIVIDUAL ITEMS		Cost
Sidewalks	0 LF	\$0
Ramps	138 SF	\$10,066
Island Cut-thru	0 SF	\$0
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	8 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
Total cost:		\$10,070

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: Rte DD	Route #: 33
From: Hammack Rd	To: Technology Dr
<b>Total Cost Estimate:</b>	<b>\$167,480</b>

Sub-Total + Contingency Cost (20%)	\$114,390
Removal of Improvements (10%)	\$11,440
Traffic Control (10%)	\$11,440
Engineering Cost (12%)	\$16,480
Construction Administration Cost (10%)	\$13,730

INDIVIDUAL ITEMS		Cost
Sidewalks	472 LF	\$23,743
Ramps	640 SF	\$45,377
Island Cut-thru	0 SF	\$0
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$900
Cross walk painting	1 EA	
TCE - Commercial	4105 SF	
PSWE - Commercial	3524 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	6 EA	
		Total cost: \$114,390

---

### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: RTE K	Route #: 34
From: Mexico Rd	To: Babble Creek
<b>Total Cost Estimate:</b>	<b>\$1,296,130</b>

Sub-Total + Contingency Cost (20%)	\$885,320
Removal of Improvements (10%)	\$88,540
Traffic Control (10%)	\$88,540
Engineering Cost (12%)	\$127,490
Construction Administration Cost (10%)	\$106,240

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	5772 LF	\$353,401
Ramps	2805 SF	\$204,572
Island Cut-thru	1250 SF	\$32,885
Pedestrian Signals	6 EA	\$266,185
Driveways	888 SF	\$18,276
Curbs	24 LF	\$892
Sign Relocation	3 EA	\$4,305
Utility Relocation	1 EA	\$3,000
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$1,800
Cross walk painting	2 EA	
TCE - Commercial	19038 SF	
PSWE - Commercial	33235 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	23 EA	
		<b>Total cost: \$885,320</b>

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route: LAKE STL BLVD	Route #: 35
From: I-64	To: Technology Dr
<b>Total Cost Estimate:</b>	<b>\$207,220</b>

Sub-Total + Contingency Cost (20%)	\$141,520
Removal of Improvements (10%)	\$14,160
Traffic Control (10%)	\$14,160
Engineering Cost (12%)	\$20,390
Construction Administration Cost (10%)	\$16,990

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	1572 LF	\$79,009
Ramps	214 SF	\$15,145
Island Cut-thru	0 SF	\$0
Pedestrian Signals	1 EA	\$44,364
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	1 EA	\$3,000
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	407 SF	
PSWE - Commercial	2913 SF	
TCE - Residential	885 SF	
PSWE - Residential	1073 SF	
Parcels impacted	2 EA	
		<b>Total cost: \$141,520</b>

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 364SOR</b>	Route #: <b>36</b>
From: Twin Chimneys	To: Twin Chimneys
<b>Total Cost Estimate:</b>	<b>\$105,490</b>

Sub-Total + Contingency Cost (20%)	\$72,040
Removal of Improvements (10%)	\$7,210
Traffic Control (10%)	\$7,210
Engineering Cost (12%)	\$10,380
Construction Administration Cost (10%)	\$8,650

INDIVIDUAL ITEMS		Cost
Sidewalks	1344 LF	\$67,530
Ramps	61 SF	\$4,510
Island Cut-thru	0 SF	\$0
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	7912 SF	
PSWE - Commercial	7922 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	4 EA	
Total cost:		\$72,040

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-70 OR	Route #: 37A
From: Bryan	To: RTE K
<b>Total Cost Estimate:</b>	<b>\$122,800</b>

Sub-Total + Contingency Cost (20%)	\$83,870
Removal of Improvements (10%)	\$8,390
Traffic Control (10%)	\$8,390
Engineering Cost (12%)	\$12,080
Construction Administration Cost (10%)	\$10,070

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	583 LF	\$29,306
Ramps	591 SF	\$42,077
Island Cut-thru	63 SF	\$1,872
Pedestrian Signals	0 EA	\$0
Driveways	250 SF	\$5,751
Curbs	44 LF	\$1,622
Sign Relocation	1 EA	\$1,435
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$1,800
Cross walk painting	2 EA	
TCE - Commercial	635 SF	
PSWE - Commercial	574 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	2 EA	
Total cost:		\$83,870

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-70 OR	Route #: 37B
From: Bryan	To: RTE K
<b>Total Cost Estimate:</b>	<b>\$459,620</b>

Sub-Total + Contingency Cost (20%)	\$313,930
Removal of Improvements (10%)	\$31,400
Traffic Control (10%)	\$31,400
Engineering Cost (12%)	\$45,210
Construction Administration Cost (10%)	\$37,680

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	3145 LF	\$158,092
Ramps	1282 SF	\$88,335
Island Cut-thru	43 SF	\$1,546
Pedestrian Signals	1 EA	\$44,364
Driveways	785 SF	\$16,264
Curbs	82 LF	\$2,987
Sign Relocation	1 EA	\$1,435
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$900
Cross walk painting	1 EA	
TCE - Commercial	11377 SF	
PSWE - Commercial	5595 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	5 EA	
		<b>Total cost: \$313,930</b>

---

### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-70 NOR	Route #: 38
From: Executive Center	To: Shady Springs Ln
<b>Total Cost Estimate:</b>	<b>\$12,660</b>

Sub-Total + Contingency Cost (20%)	\$8,630
Removal of Improvements (10%)	\$870
Traffic Control (10%)	\$870
Engineering Cost (12%)	\$1,250
Construction Administration Cost (10%)	\$1,040

INDIVIDUAL ITEMS		Cost
Sidewalks	172 LF	\$8,627
Ramps	0 SF	\$0
Island Cut-thru	0 SF	\$0
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	0 EA	\$0
Cross walk painting	0 EA	
TCE - Commercial	0 SF	
PSWE - Commercial	0 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	0 EA	
Total cost:		\$8,630

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-44 OR	Route #: 39
From: 39th	To: Allen
<b>Total Cost Estimate:</b>	<b>\$69,170</b>

Sub-Total + Contingency Cost (20%)	\$47,230
Removal of Improvements (10%)	\$4,730
Traffic Control (10%)	\$4,730
Engineering Cost (12%)	\$6,810
Construction Administration Cost (10%)	\$5,670

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	384 LF	\$19,315
Ramps	290 SF	\$21,380
Island Cut-thru	111 SF	\$2,635
Pedestrian Signals	0 EA	\$0
Driveways	0 SF	\$0
Curbs	0 LF	\$0
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	1 EA	\$3,000
Misc Relocation	0 EA	\$900
Cross walk painting	1 EA	
TCE - Commercial	176 SF	
PSWE - Commercial	202 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	1 EA	
Total cost:		\$47,230

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: <b>MO 100</b>	Route #: <b>40</b>
From: Prather Ave	To: Mitchell Ave
<b>Total Cost Estimate:</b>	<b>\$530,340</b>

Sub-Total + Contingency Cost (20%)	\$362,240
Removal of Improvements (10%)	\$36,230
Traffic Control (10%)	\$36,230
Engineering Cost (12%)	\$52,170
Construction Administration Cost (10%)	\$43,470

INDIVIDUAL ITEMS		Cost
Sidewalks	358 LF	\$17,993
Ramps	1135 SF	\$85,365
Island Cut-thru	707 SF	\$14,696
Pedestrian Signals	3 EA	\$133,092
Driveways	0 SF	\$0
Curbs	330 LF	\$12,083
Sign Relocation	0 EA	\$0
Utility Relocation	1 EA	\$18,000
Drainage Relocation	6 EA	\$72,000
Misc Relocation	3 EA	\$9,000
Cross walk painting	0 EA	
TCE - Commercial	2112 SF	
PSWE - Commercial	6230 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	6 EA	
Total cost:		\$362,240

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### SPECIAL NOTES:

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## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-70	Route #: 41
From: Carr	To: MLK Bridge
<b>Total Cost Estimate:</b>	<b>\$487,750</b>

Sub-Total + Contingency Cost (20%)	\$333,150
Removal of Improvements (10%)	\$33,320
Traffic Control (10%)	\$33,320
Engineering Cost (12%)	\$47,980
Construction Administration Cost (10%)	\$39,980

<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	2743 LF	\$137,882
Ramps	267 SF	\$20,905
Island Cut-thru	0 SF	\$0
Pedestrian Signals	2 EA	\$88,728
Driveways	0 SF	\$0
Curbs	209 LF	\$7,634
Sign Relocation	0 EA	\$0
Utility Relocation	6 EA	\$72,000
Drainage Relocation	0 EA	\$0
Misc Relocation	2 EA	\$6,000
Cross walk painting	0 EA	
TCE - Commercial	1045 SF	
PSWE - Commercial	3638 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	1 EA	
		<b>Total cost: \$333,150</b>

### **SPECIAL NOTES:**

Significant conflicts with light poles and sign poles in the sidewalks.

Could be high cost impact not accounted for here.

## MoDOT ADA Inventory - Route Improvements

April 2022

Route Name: I-70	Route #: 42
From: Union	To: Kingshighway
<b>Total Cost Estimate:</b>	<b>\$271,790</b>

Sub-Total + Contingency Cost (20%)	\$185,630
Removal of Improvements (10%)	\$18,570
Traffic Control (10%)	\$18,570
Engineering Cost (12%)	\$26,740
Construction Administration Cost (10%)	\$22,280

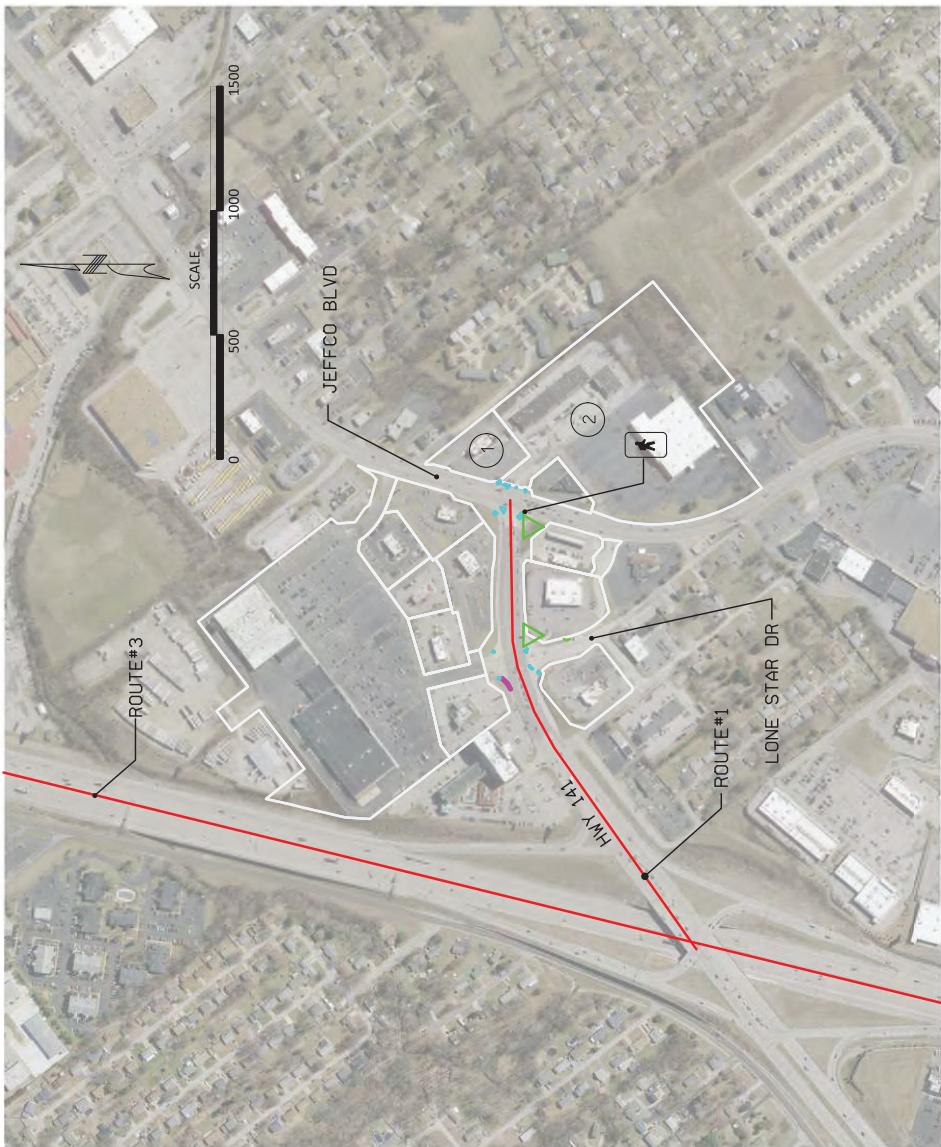
<b>INDIVIDUAL ITEMS</b>		<b>Cost</b>
Sidewalks	978 LF	\$49,135
Ramps	396 SF	\$30,372
Island Cut-thru	0 SF	\$0
Pedestrian Signals	1 EA	\$44,364
Driveways	2221 SF	\$50,361
Curbs	33 LF	\$1,198
Sign Relocation	0 EA	\$0
Utility Relocation	0 EA	\$0
Drainage Relocation	0 EA	\$0
Misc Relocation	1 EA	\$10,200
Cross walk painting	8 EA	
TCE - Commercial	88 SF	
PSWE - Commercial	27 SF	
TCE - Residential	0 SF	
PSWE - Residential	0 SF	
Parcels impacted	2 EA	
		<b>Total cost: \$185,630</b>

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### SPECIAL NOTES:

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**D – ROUTE EXHIBITS**



PARCEL IMPACTS			
ROUTE	PARCEL #	NAME	ADDRESS
1	1	ARNOLD PARK MALL ASSOCIATES	1 ARNOLD PARK MALL
1	2	ARNOLD PARK MALL LLC	4 ARNOLD MALL

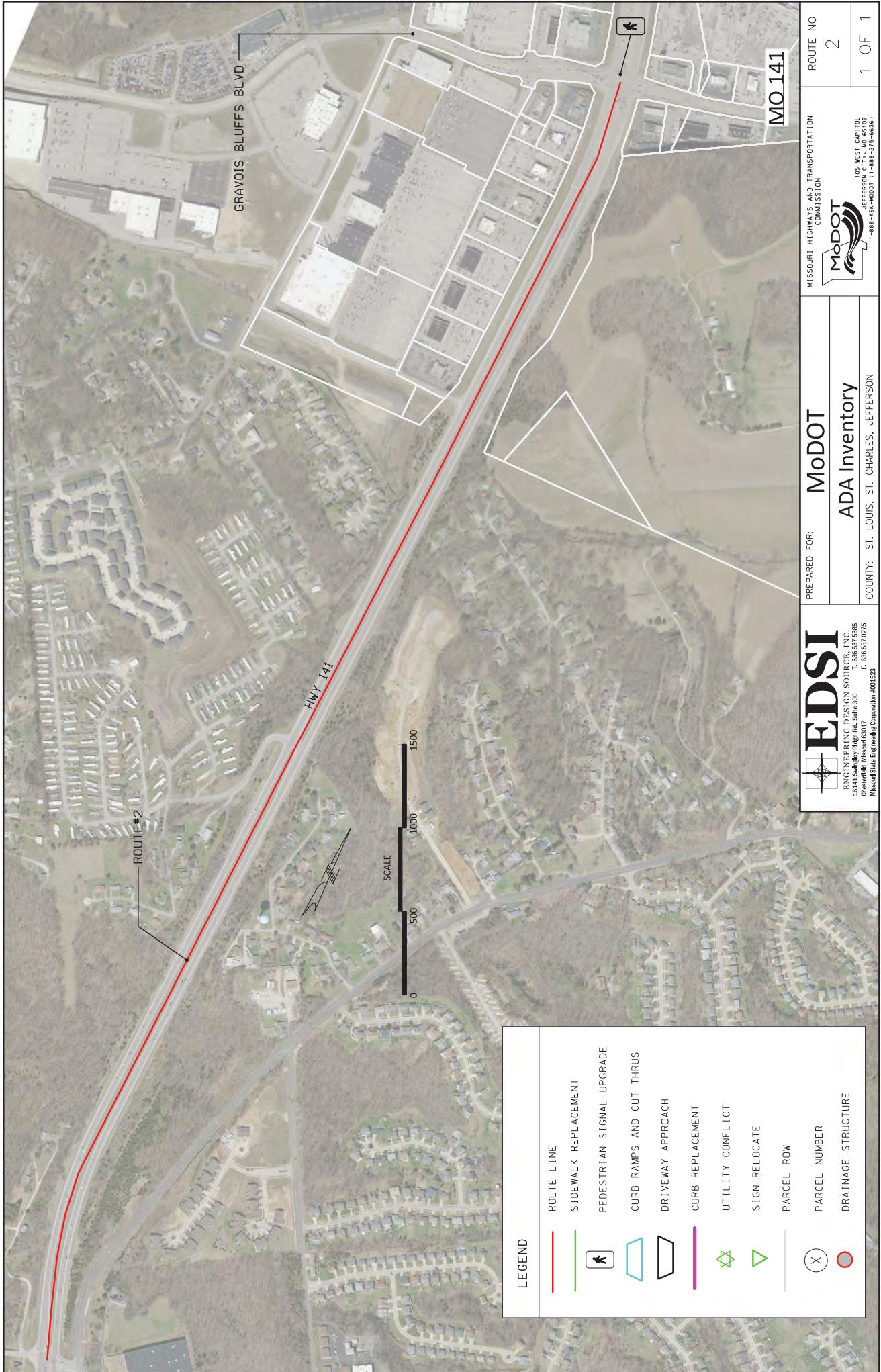
LEGEND	PARCEL NUMBER	DRAINAGE STRUCTURE
ROUTE LINE	(X)	
SIDEWALK REPLACEMENT		
PEDESTRIAN SIGNAL UPGRADE		
CURB RAMPS AND CUT THRU'S		
DRIVEWAY APPROACH		
CURB REPLACEMENT		
UTILITY CONFLICT		
SIGN RELOCATE		
PARCEL ROW		

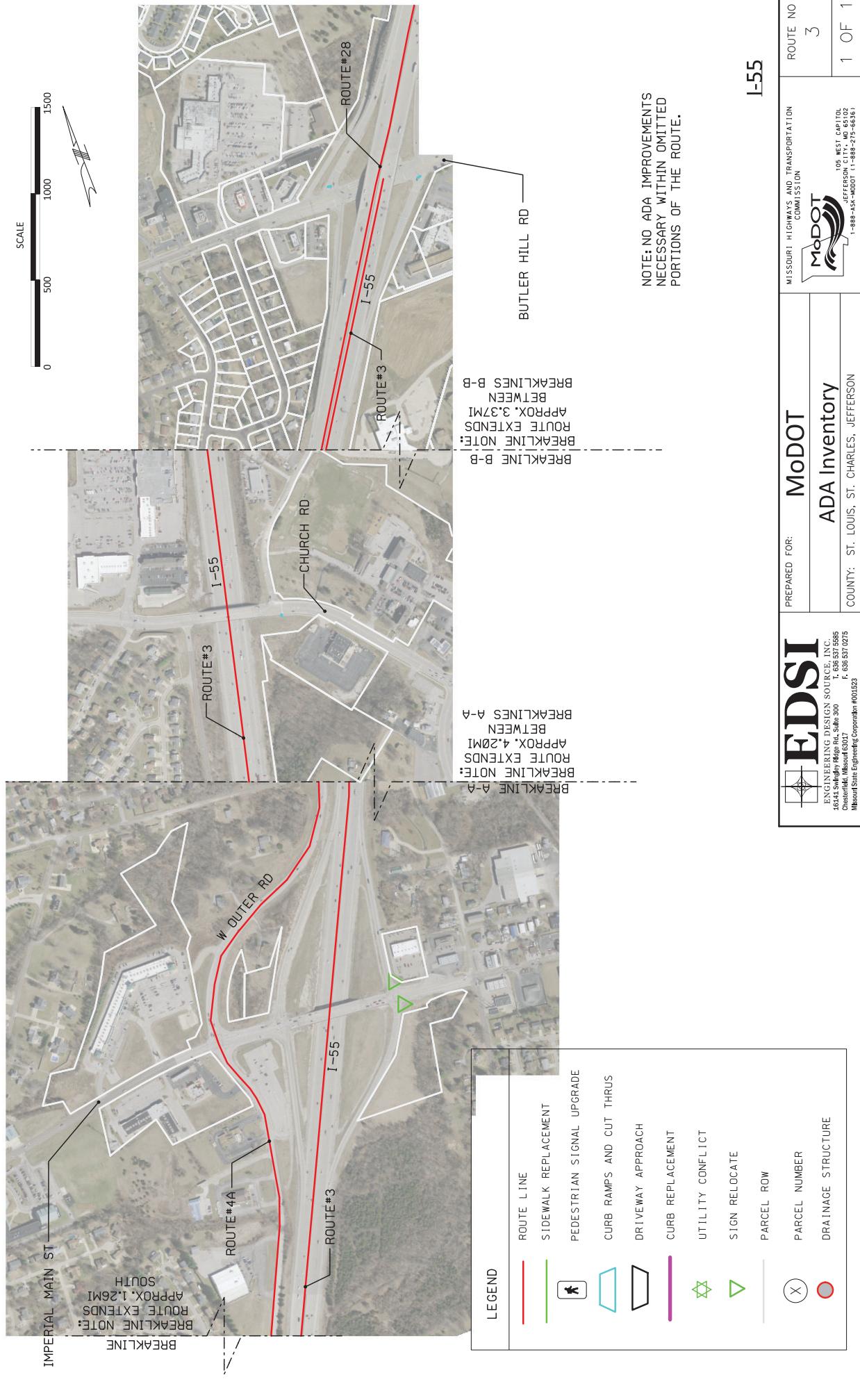
	EDSI	PREPARED FOR:	MoDOT
ENGINEERING DESIGN SOURCE, INC.	ADA Inventory	COUNTY:	ST. LOUIS, ST. CHARLES, JEFFERSON
1634 S Swifty Ridge Rd, Suite 300 Clayton, Missouri 63101 F. 314-961-0275 Missouri Site Engineering Corporation #005233		MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	ROUTE NO 1 OF 1

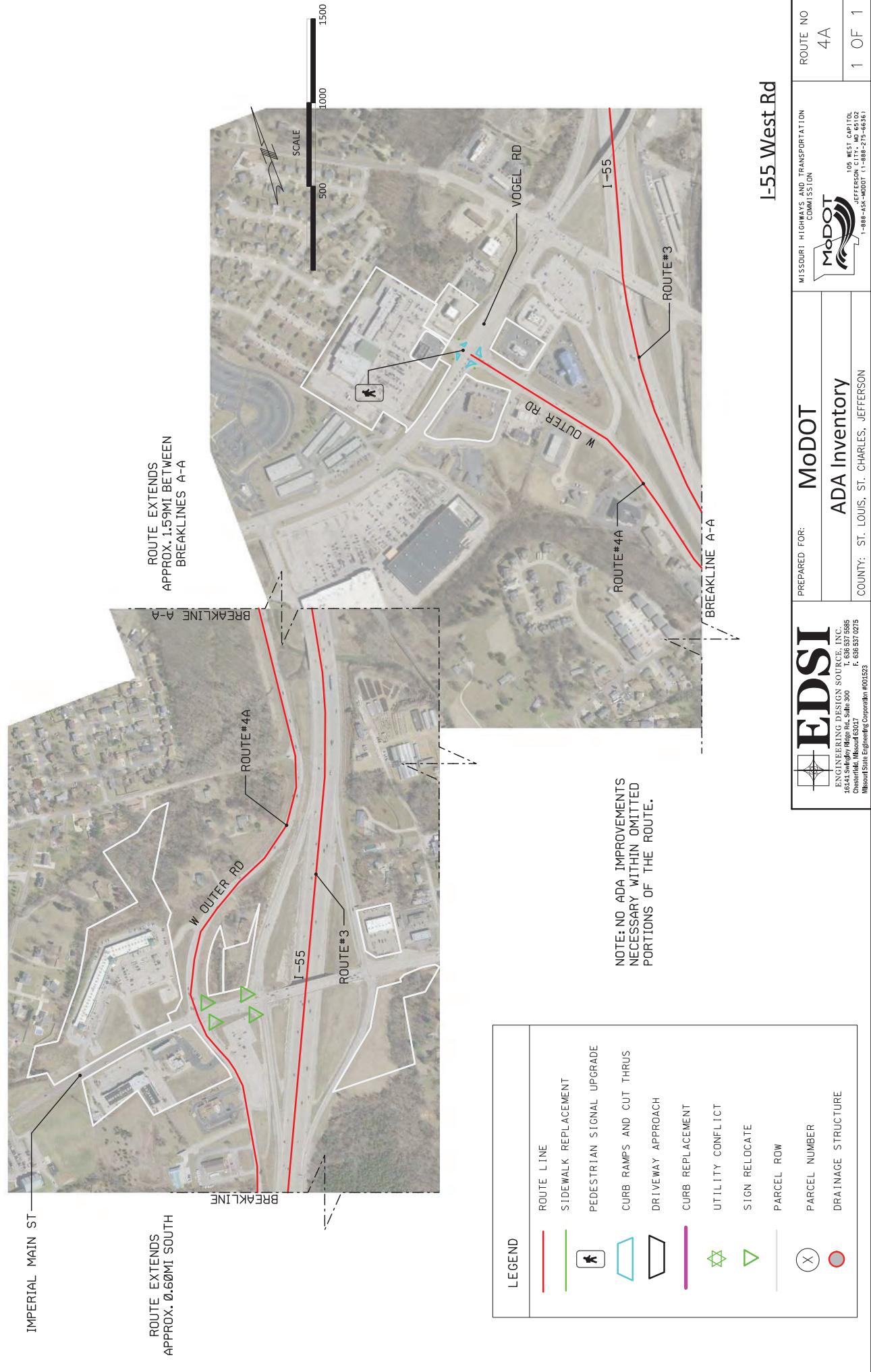
MO 141



105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-456-4601 1-888-256-6651







NOTE: NO ADA IMPROVEMENTS  
NECESSARY WITHIN OMITTED  
PORTIONS OF THE ROUTE.

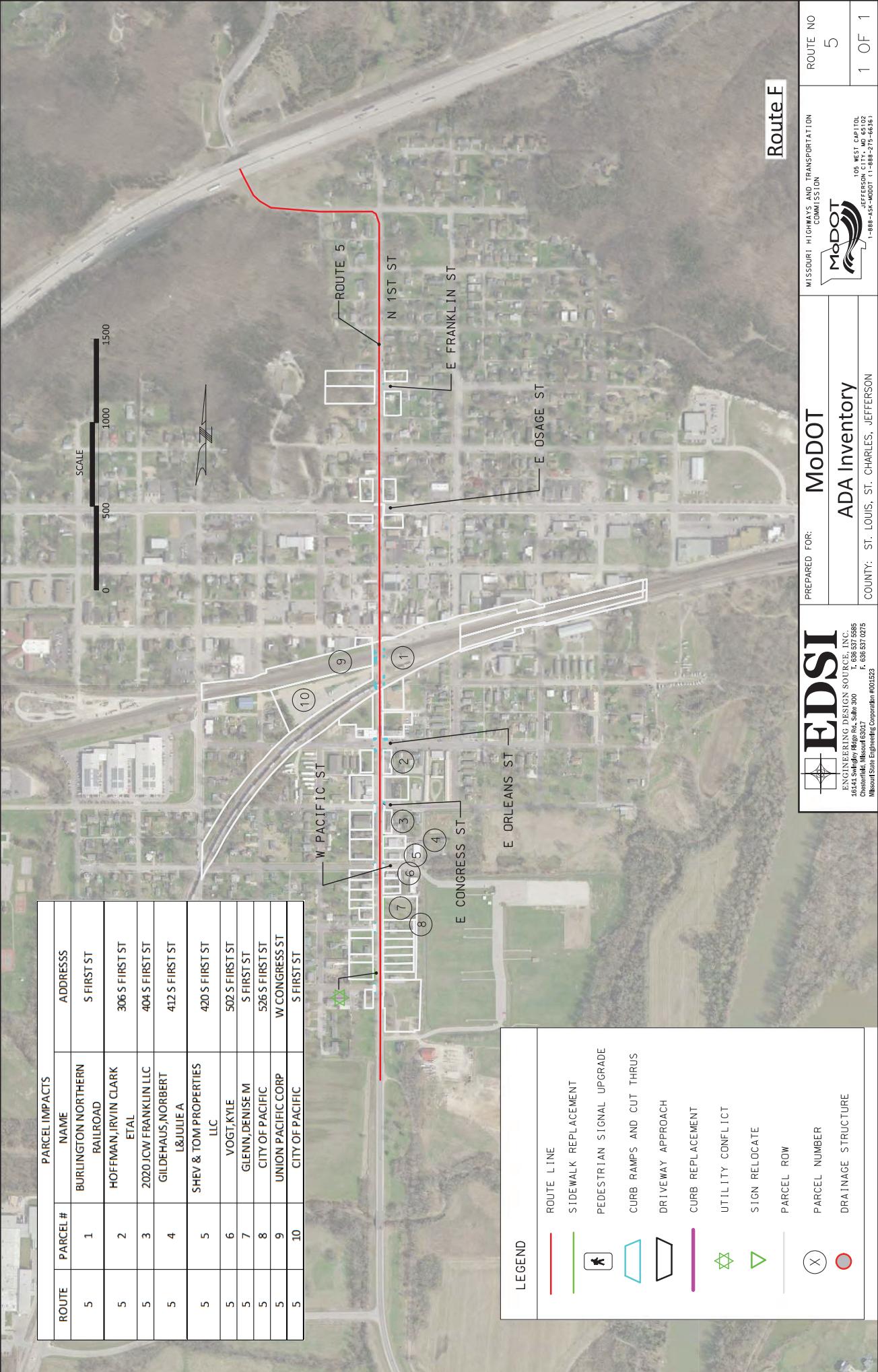


ROUTE EXTENDS APPROX. 1.55MI SOUTH

LEGEND	PARCEL NUMBER	PREPARED FOR:	ROUTE NO
ROUTE LINE		MoDOT	4B
SIDEWALK REPLACEMENT		ADA Inventory	
PEDESTRIAN SIGNAL UPGRADE			
CURB RAMPS AND CUT THRU'S			
DRIVEWAY APPROACH			
CURB REPLACEMENT			
UTILITY CONFLICT			
SIGN RELOCATE			
PARCEL ROW			
(X)		MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	
●		JEFFERSON CITY, MO 65102 1-888-456-4001 1-888-256-6561	
		Missouri State Engineering Corporation #051523	
		COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON	

## I-55 West Outer Rd

	105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-456-4001 1-888-256-6561	ROUTE NO 4B
	1 OF 1	



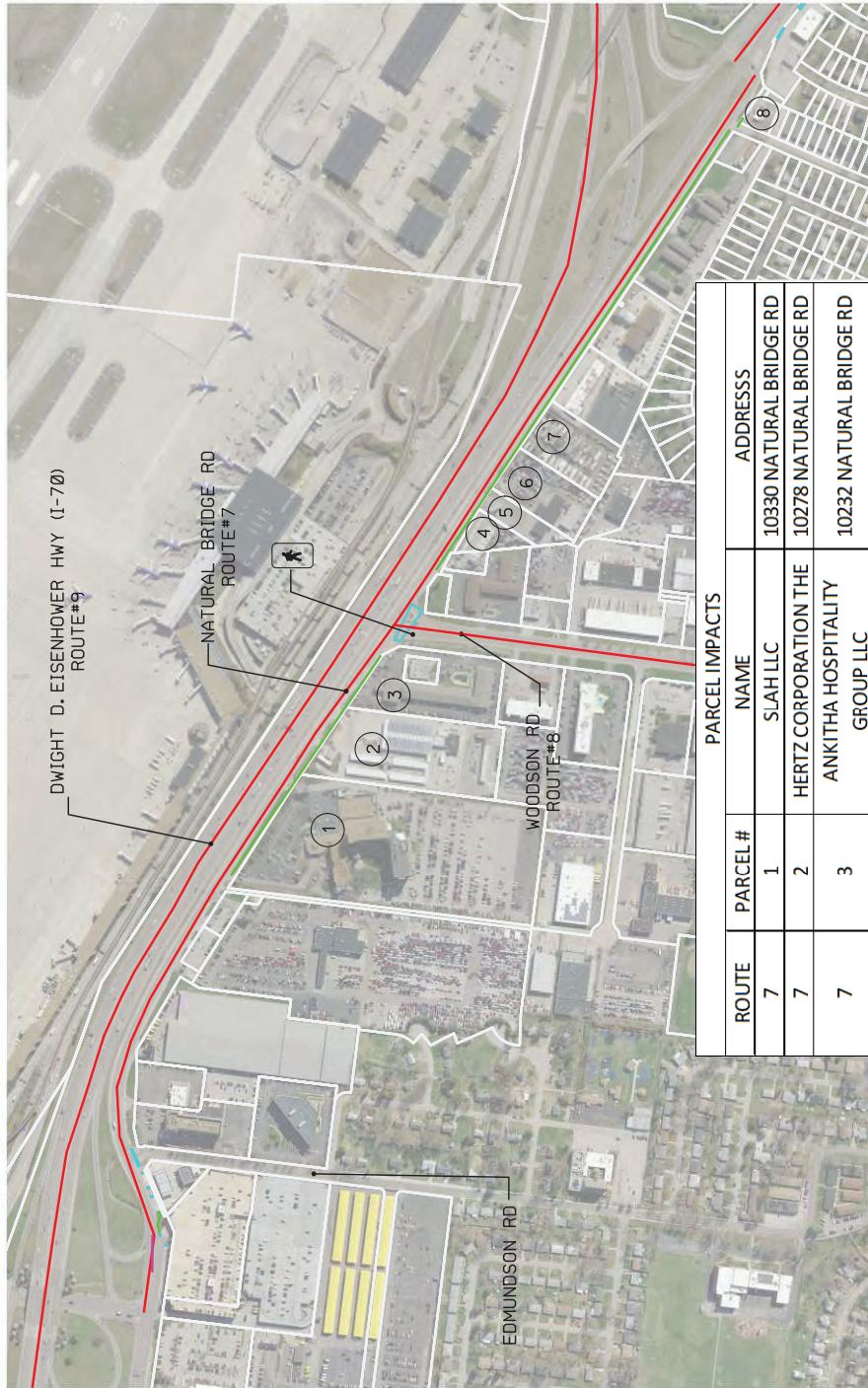


PARCEL IMPACTS			
ROUTE	PARCEL #	NAME	ADDRESS
6	1	NATIONAL RETAIL ACQUISITIONS LLC	9802 NATURAL BRIDGE RD
6	2	ENTERPRISE LEASING COMPANY OF ST LOUIS	9800 NATURAL BRIDGE RD
6	3	MAC'S CONVENIENCE STORES LLC	9708 NATURAL BRIDGE RD
6	4	VANGUARD REAL ESTATE HOLDINGS LLC	4304 MCKIBBON RD
6	5	CALIBER REDEVELOPMENT L C	9454 NATURAL BRIDGE RD

SCALE  
0 500 1000 1500

LEGEND	
	ROUTE LINE
	SIDEWALK REPLACEMENT
	PEDESTRIAN SIGNAL UPGRADE
	CURB RAMPS AND CUT THRU'S
	DRIVEWAY APPROACH
	CURB REPLACEMENT
	UTILITY CONFLICT
	SIGN RELOCATE
	PARCEL ROW
	PARCEL NUMBER
	DRAINAGE STRUCTURE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	MODOT	ROUTE NO
		6
JEFFERSON CITY, MO 65101 1-888-456-4431	ADA Inventory	1 OF 1
105 WEST CAPITOL Chestnut, Missouri 65101 F. 36 531 5886 Missouri State Engineering Corporation #051523	COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON	



PARCEL IMPACTS			
ROUTE	PARCEL #	NAME	ADDRESS
7	1	SLAH LLC	10330 NATURAL BRIDGE RD
7	2	HERTZ CORPORATION THE	10278 NATURAL BRIDGE RD
7	3	ANKITHA HOSPITALITY GROUP LLC	10232 NATURAL BRIDGE RD
7	4	JAMES O WEST FAMILY LIMITED PARTNERSHIP	10138 NATURAL BRIDGE RD
7	5	WEINHOLD EDMUND W DRURY DEVELOPMENT CORPORATION	10130 NATURAL BRIDGE RD
7	6	DRURY DEVELOPMENT CORPORATION	10126 NATURAL BRIDGE RD
7	7	OHM PROPERTIES LLC	10070 NATURAL BRIDGE RD
7	8	EMAGE INVESTMENTS LLC	9894 NATURAL BRIDGE RD

### I-70 SOR- Natural Bridge

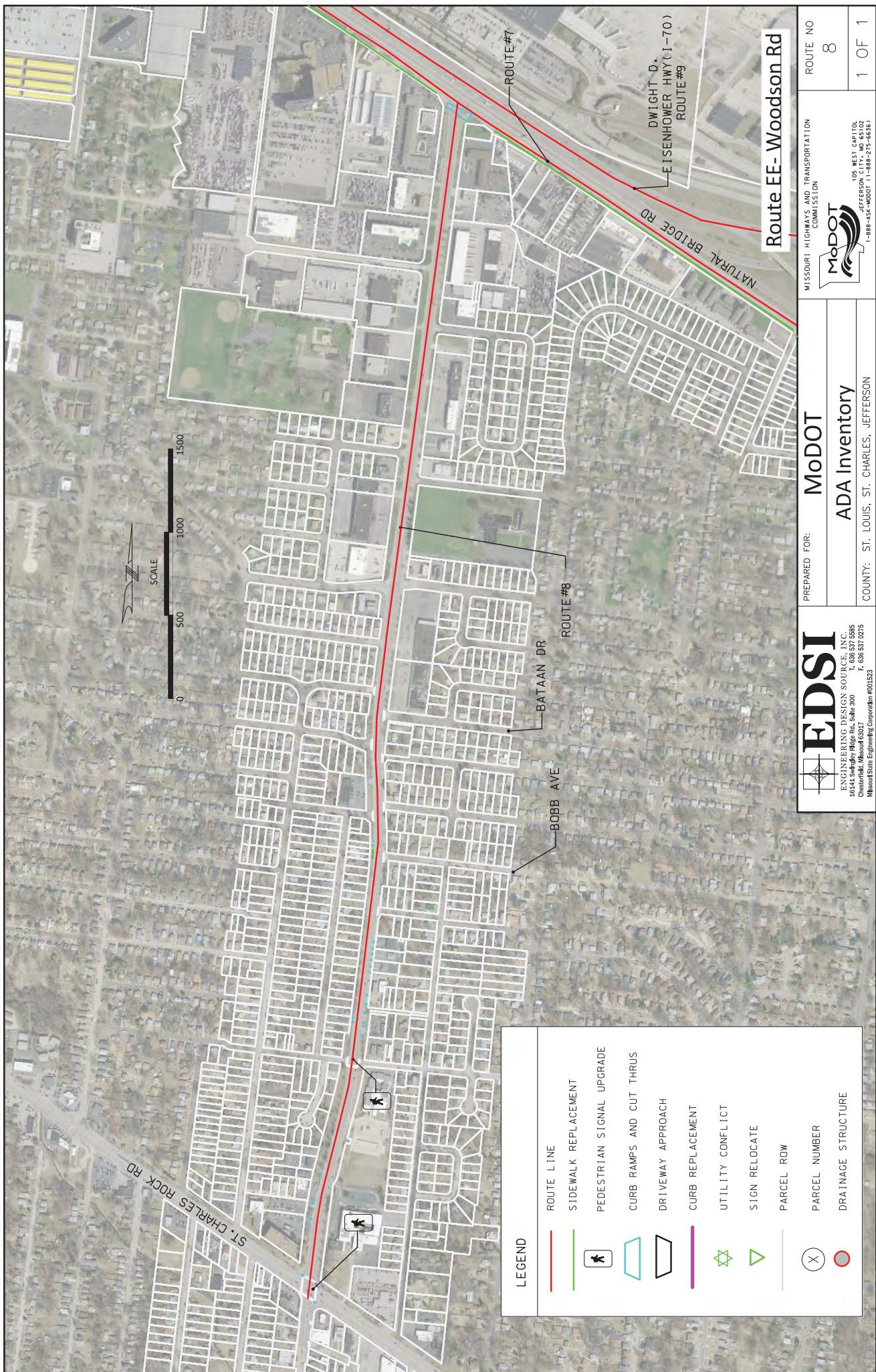
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	ROUTE NO 7
ModOT	1 OF 1

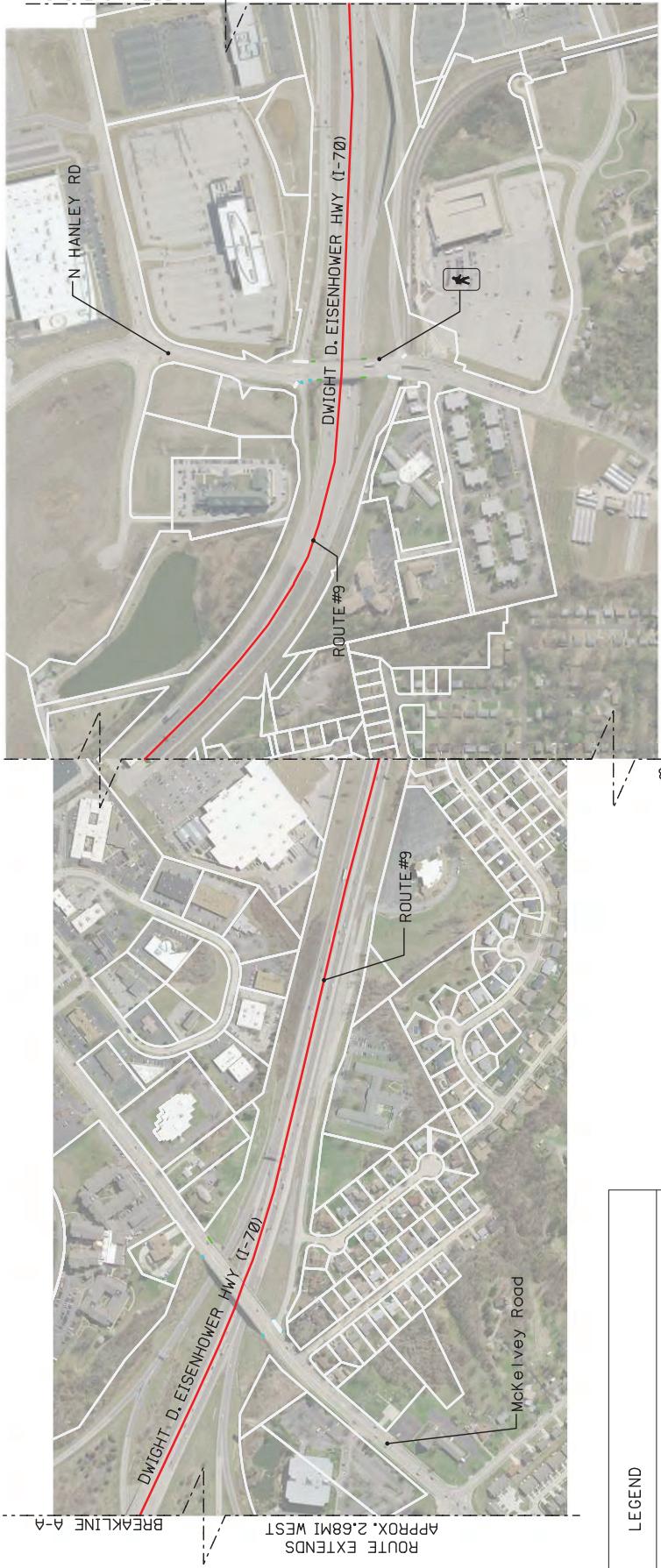


EDSI  
ENGINEERING DESIGN SOURCE, INC.  
1634 Swindell Ridge Rd, Suite 300  
Clayton, Missouri 63101  
F. 314.531.5886  
C. 314.531.0275  
Missouri State Engineering Corporation #051523

ADA Inventory  
COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON

LEGEND	PARCEL NUMBER	DRA INAGE STRUCTURE
ROUTE LINE	(X)	
SIDEWALK REPLACEMENT		
PEDESTRIAN SIGNAL UPGRADE		
CURB RAMPS AND CUT THRU'S		
DRIVEWAY APPROACH		
CURB REPLACEMENT		
UTILITY CONFLICT		
SIGN RELOCATE		
PARCEL ROW		





PARCEL NUMBER	DRAINAGE STRUCTURE
(X)	(●)

LEGEND	ROUTE LINE	SIDEWALK REPLACEMENT	PEDESTRIAN SIGNAL UPGRADE	CURB RAMPS AND CUT THRU'S	DRIVEWAY APPROACH	CURB REPLACEMENT	UTILITY CONFLICT	SIGN RELOCATE	PARCEL ROW

NOTE: NO ADA IMPROVEMENTS  
NECESSARY WITHIN OMITTED  
PORTIONS OF THE ROUTE.

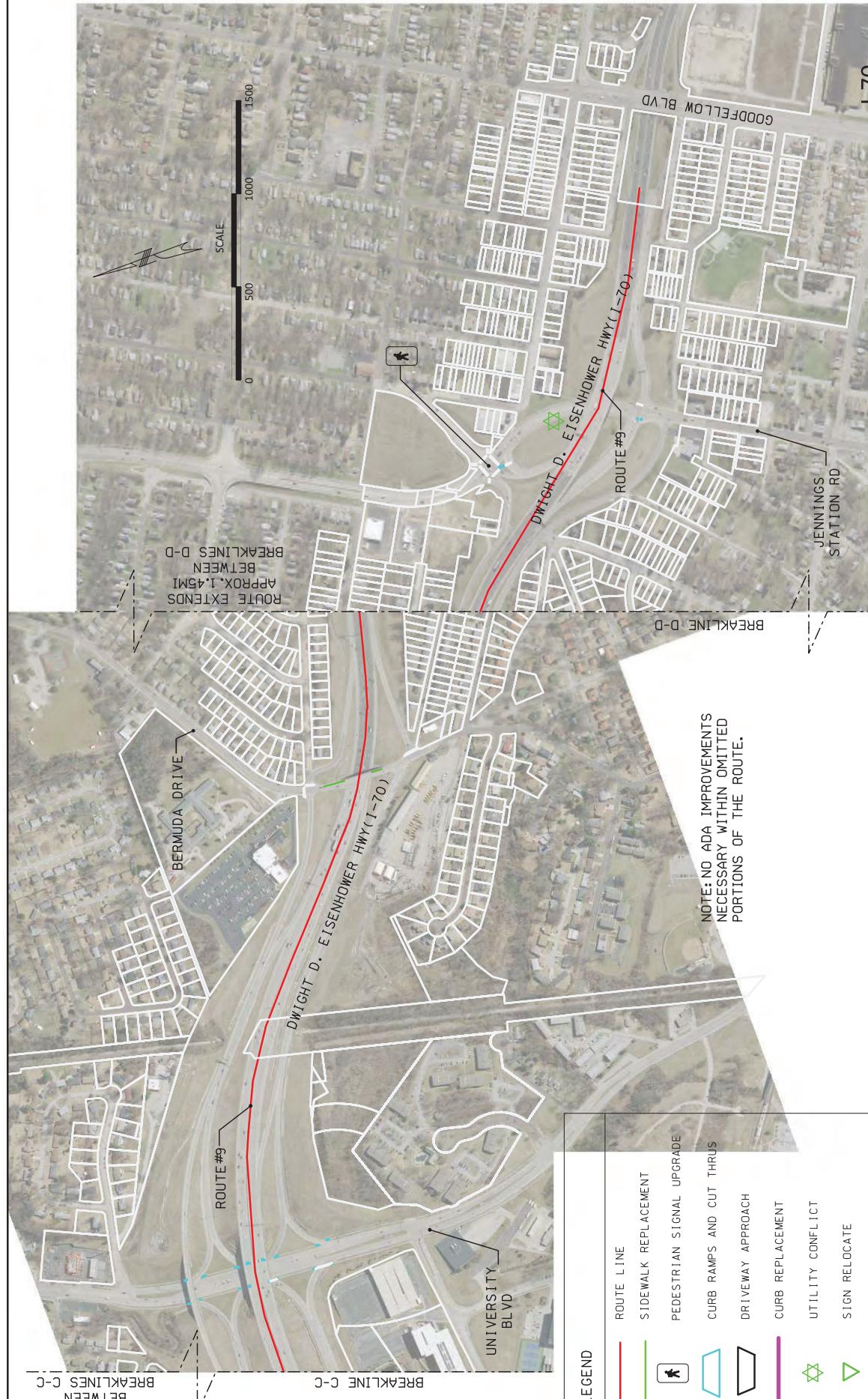
ROUTE EXTENDS APPROX. 5.88MI BETWEEN  
BREAKLINES B-B

ROUTE EXTENDS APPROX. 0.22MI BETWEEN  
BREAKLINES C-C

SCALE  
0 500 1000 1500

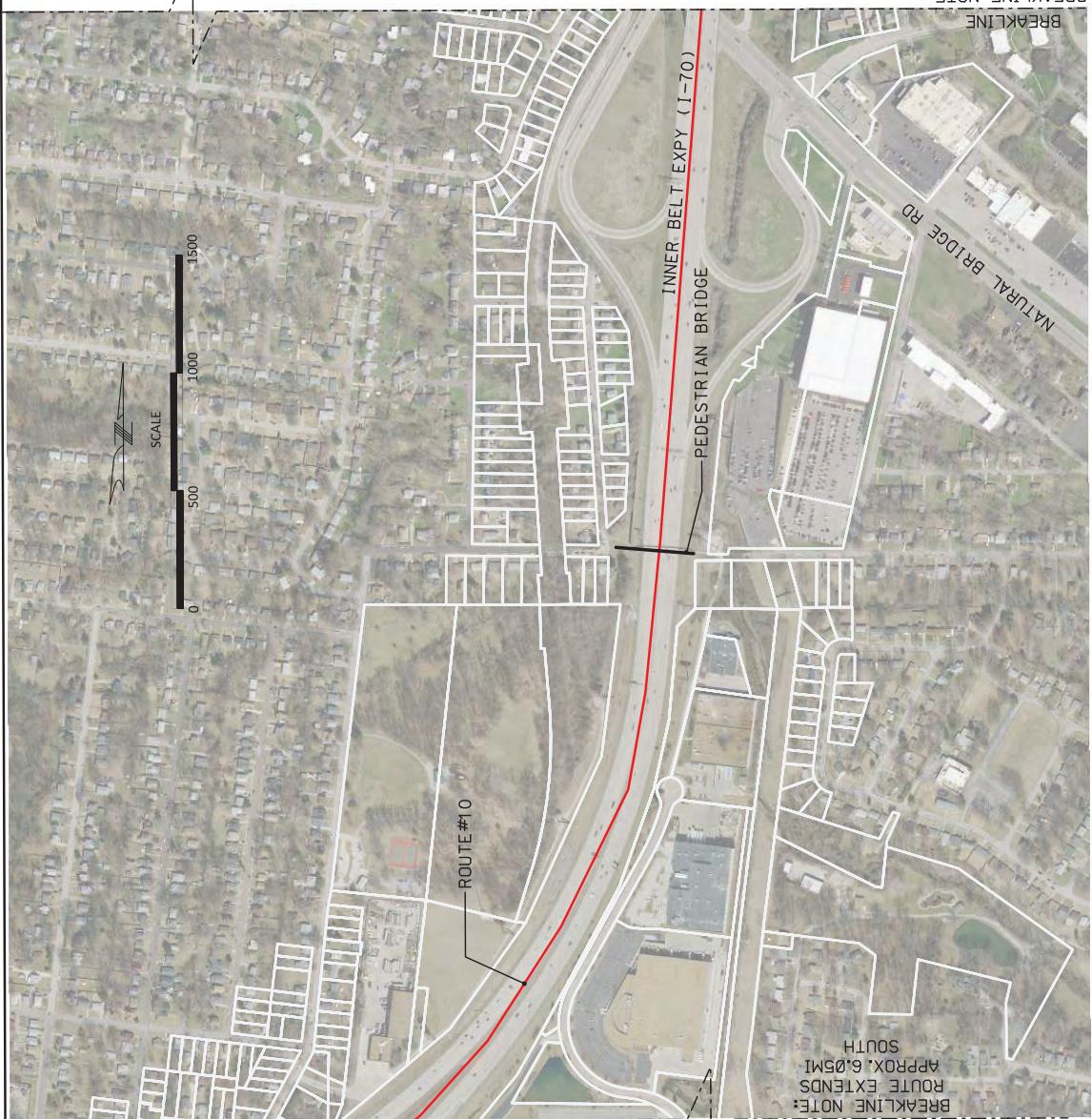
I-70

<b>EDSI</b> ENGINEERING DESIGN SOURCE, INC. 1634 Swindell Ridge Rd, Suite 300 Clayton, Missouri 63117 Missouri State Engineering Corporation #051523	PREPARED FOR: <b>MoDOT</b>	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION JEFFERSON CITY, MO 65101 1-888-456-4631 1-888-255-6551	ROUTE NO: <b>9</b>
	<b>ADA Inventory</b>	COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON	1 OF 2



	PREPARED FOR:	<b>MoDOT</b>
	ADA Inventory	
EDSI ENGINEERING DESIGN SOURCE, INC. 1634 S. Shady Ridge Rd., Suite 300 Chesterfield, Missouri 63017 F. 314.531.5886 T. 314.531.0275 Missouri Site Engineering Corporation #005233	COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65101 1-888-456-2551	ROUTE NO. 9
MODOT	2 OF 2

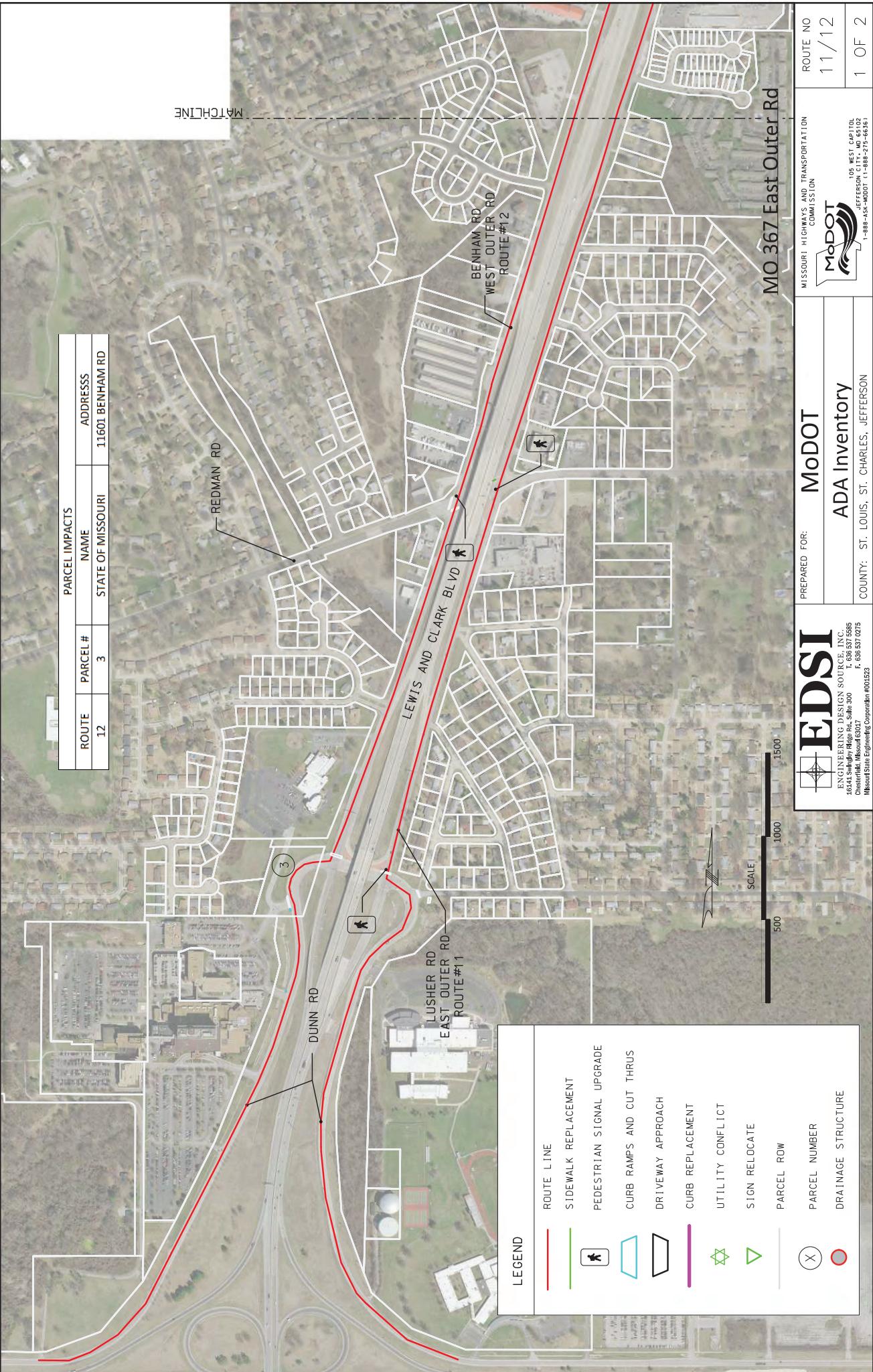


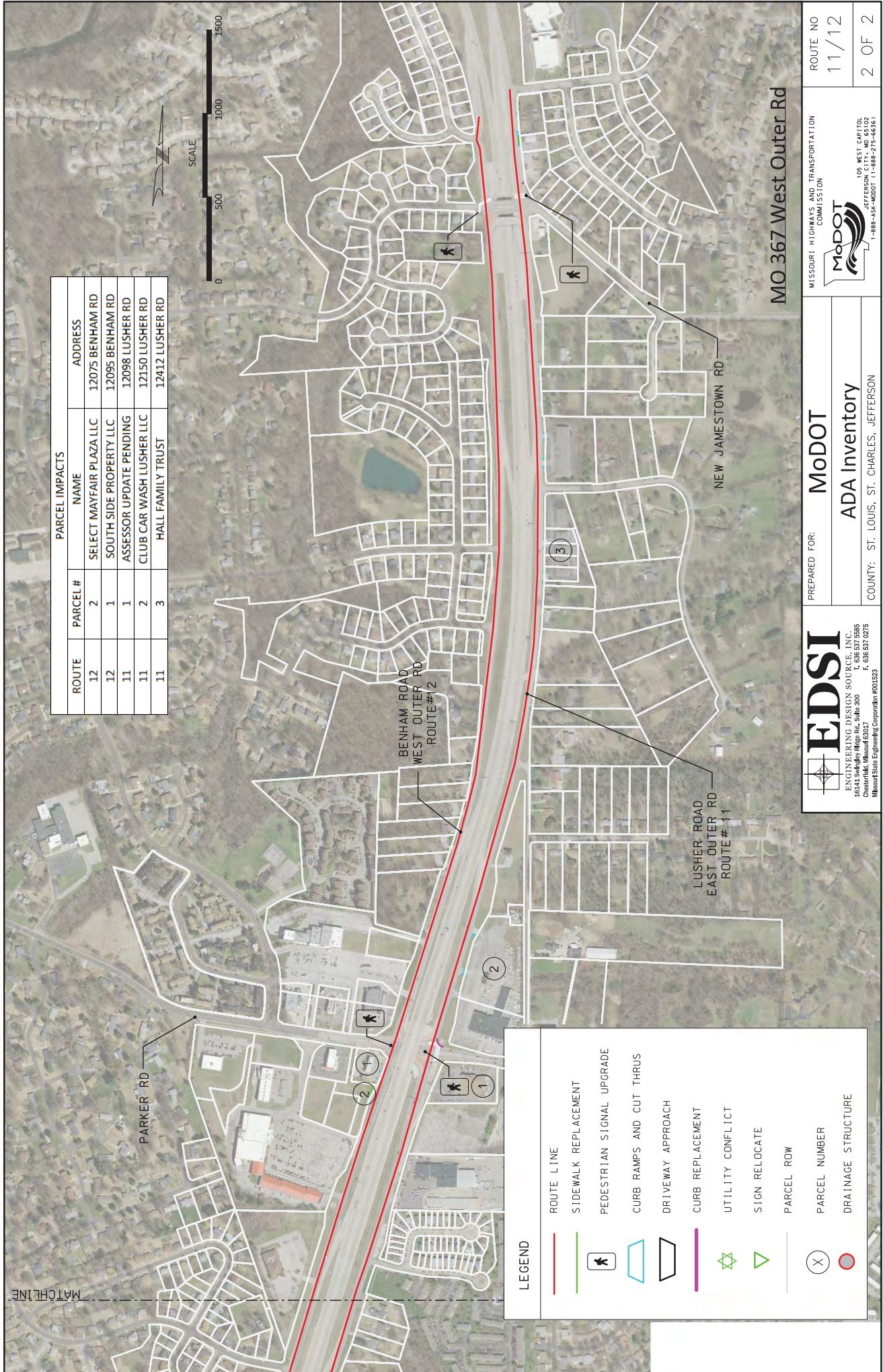
NOTE: SEE ROUTE SUMMARY SHEETS  
IN THE WRITTEN REPORT FOR  
NON-COMPLIANT ITEMS ALONG THIS  
ROUTE OTHER THAN THE BRIDGE.  
NONE OF THE ITEMS ARE DEPICTED  
IN THESE PLANS.

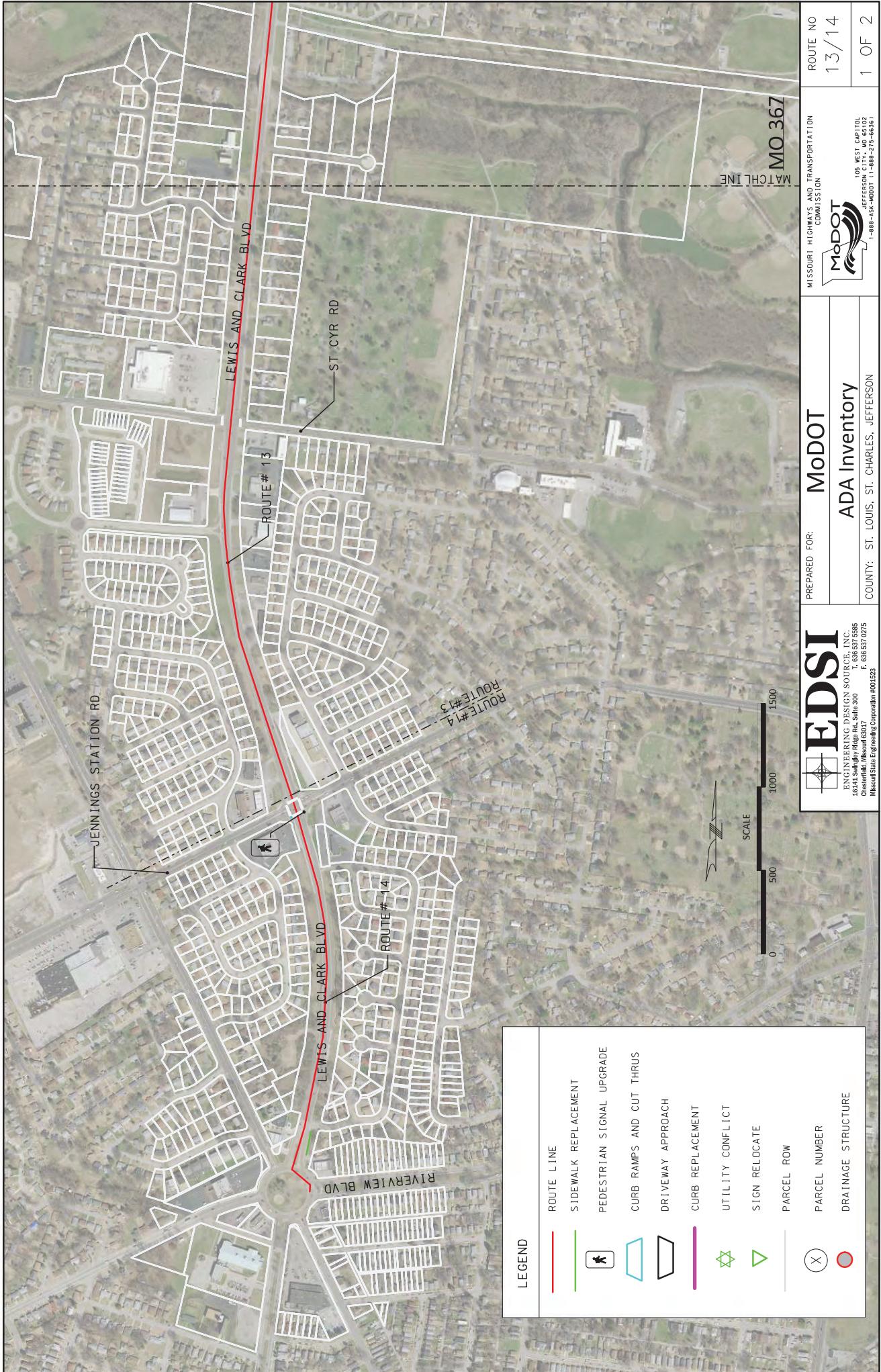
LEGEND	PARCEL NUMBER	DRAINAGE STRUCTURE
ROUTE LINE	(X)	
SIDEWALK REPLACEMENT		
PEDESTRIAN SIGNAL UPGRADE		
CURB RAMPS AND CUT THRU		
DRIVEWAY APPROACH		
CURB REPLACEMENT		
UTILITY CONFLICT		
SIGN RELOCATE		
PARCEL ROW		

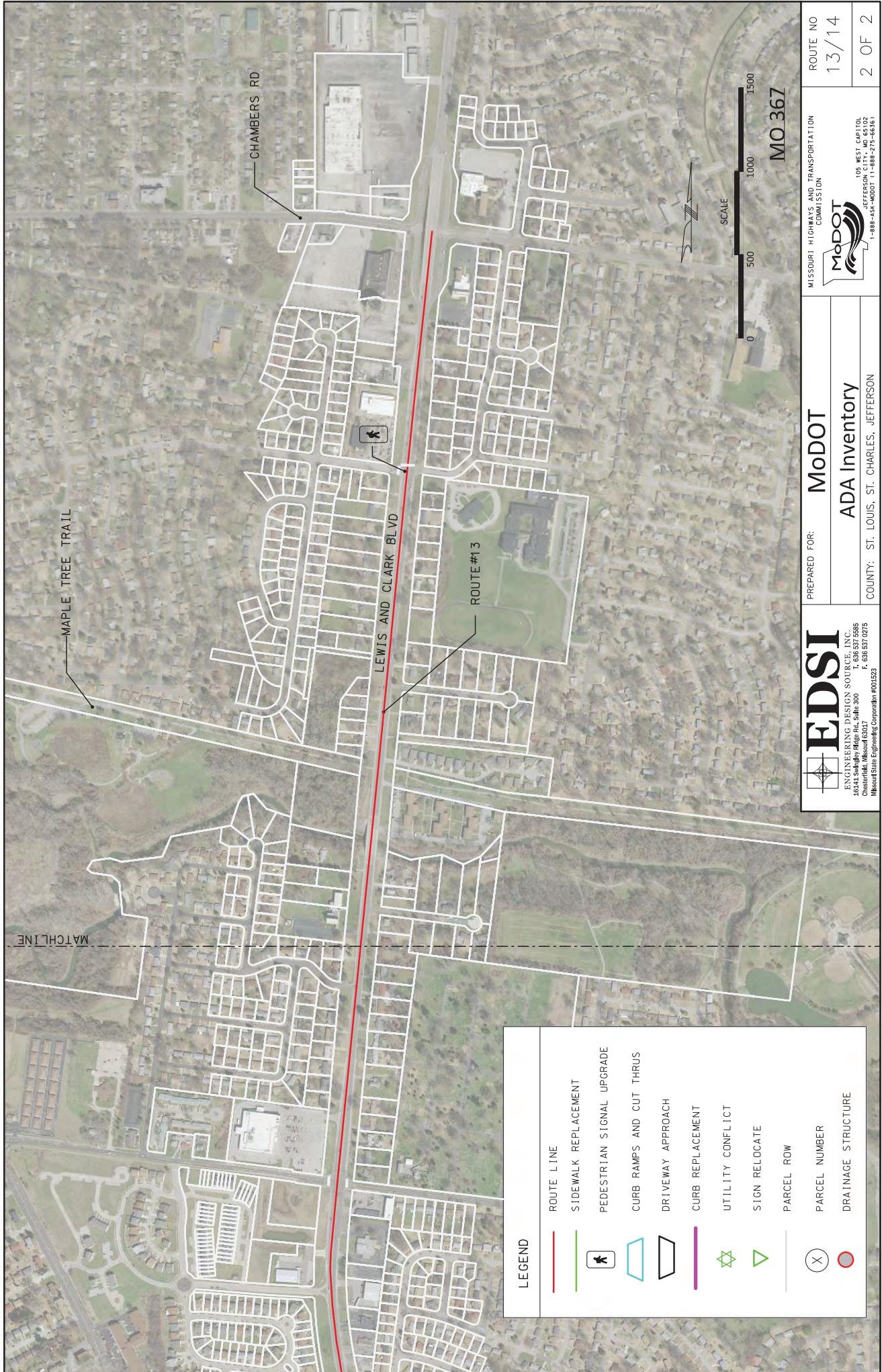
<b>EDSI</b> ENGINEERING DESIGN SOURCE, INC. 10345 State Rd. Rd., Suite 300 Chesterfield, Missouri 63017 Missouri State Engineering Corporation #01523	<b>MoDOT</b> MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	<b>ADA Inventory</b>	<b>ROUTE NO 10</b>
			1 OF 1











PARCEL IMPACTS			
ROUTE	PARCEL #	NAME	ADDRESS
15	1	B1 STATE DEV AGCY OF MO-IL METRO DIST	8699 OLIVE BLVD
15	2	EOB II & III LLC	8684 OLIVE BLVD
15	3	UCITY LLC	8601 OLIVE BLVD
15	4	MENKE DAVID H ETAL	8341 OLIVE BLVD
15	5	C & B PROPERTIES LLC	8333 OLIVE BLVD
15	6	C & B PROPERTIES LLC	8327 OLIVE BLVD
15	7	PEGASUS INVESTMENTS	8159 OLIVE BLVD
DEFINED PENSION PLAN			



#### LEGEND

- ROUTE LINE
- SIDEWALK REPLACEMENT
- PEDESTRIAN SIGNAL UPGRADE
- CURB RAMPS AND CUT THROGS
- DRIVEWAY APPROACH
- CURB REPLACEMENT
- UTILITY CONFLICT
- SIGN RELOCATE
- PARCEL ROW
- PARCEL NUMBER
- DRAINAGE STRUCTURE
- DRAINAGE IMPACT

ROUTE #15



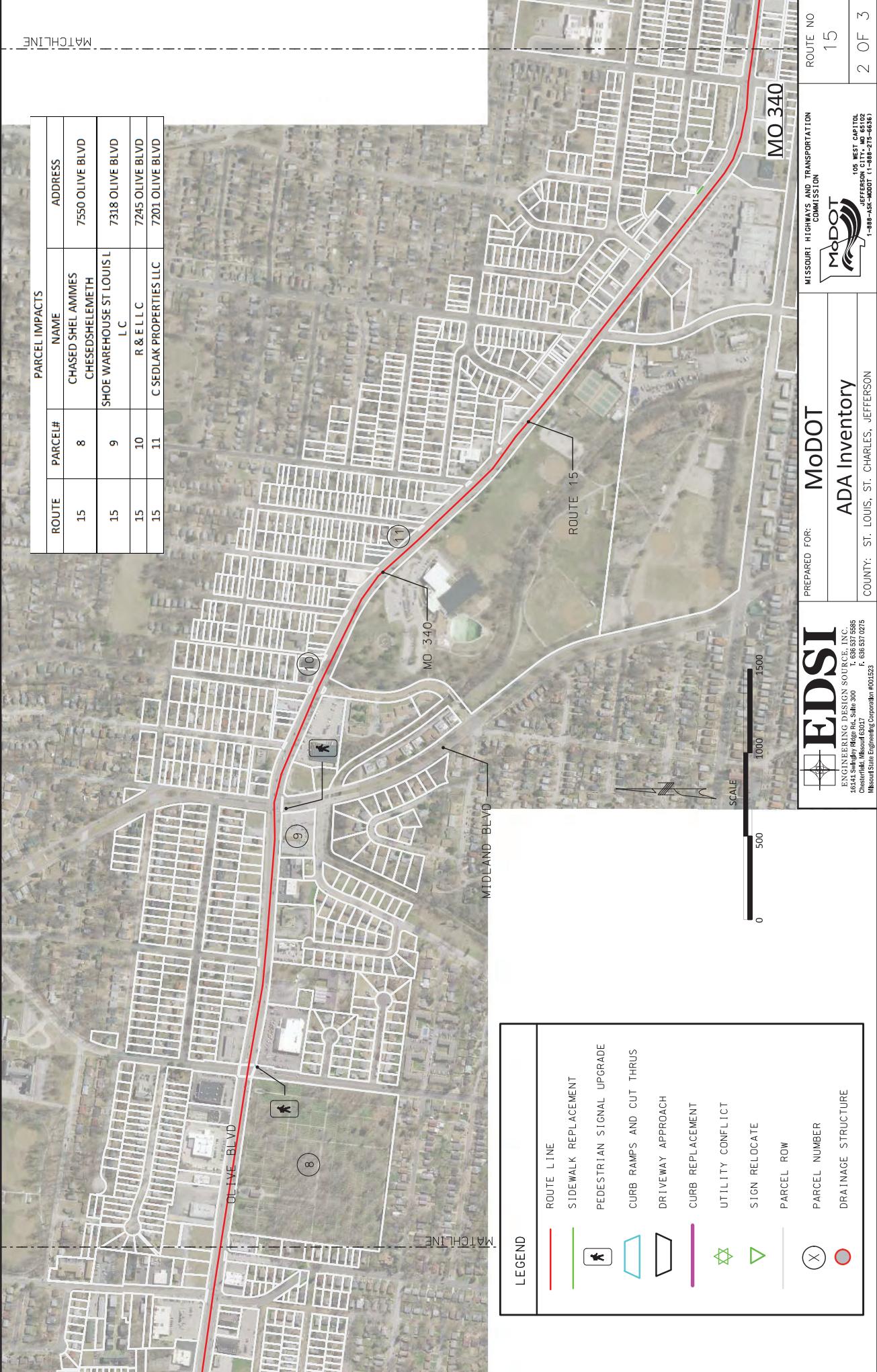
MO 340  
MATCHLINE

0 500 1000 1500

<b>EDSI</b> ENGINEERING DESIGN SOURCE, INC. 1634 S Shady Ridge Rd, Suite 300 Chesterfield, Missouri 63017 F. 314.531.5886 Missouri State Engineering Corporation #051523	PREPARED FOR: <b>MoDOT</b>	ADA Inventory	ROUTE NO
			15
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	MO 340	COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON	ROUTE NO
			1 OF 3



PARCEL IMPACTS			
ROUTE	PARCEL#	NAME	ADDRESS
15	8	CHASED SHELL AMMIES CHESEDHELEMETH	7550 OLIVE BLVD
15	9	SHOE WAREHOUSE ST LOUIS L L.C.	7318 OLIVE BLVD
15	10	R & E LLC	7245 OLIVE BLVD
15	11	C SEDLAK PROPERTIES LLC	7201 OLIVE BLVD



PARCEL IMPACTS			
ROUTE	PARCEL#	NAME	ADDRESS
15	12	LAWRENCE GRANT H & CHRISTINA LAWRENCE	6740 OLIVE BLVD
15	13	SOUTH SIDE PROPERTY LLC	6700 OLIVE BLVD
15	14	WASHINGTON UNIVERSITY	6662 OLIVE BLVD
15	15	SEFFRA SURFDEVS & KANWAJIEFT K/H/W	6665 OLIVE BLVD
15	16	BYRONICO LLC	6504 OLIVE BLVD
15	17	SY UNIVERSITY COMMONS INVESTORS LP	6301 NORTH DR
			6500 MAPLE AVE
			UNIVERSITY CITY CITY OF QUADRANGLE MANAGEMENT COMPANY
			6282 OLIVE BLVD
			6195 OLIVE BLVD
			870 SKINKER
			CITY OF ST LOUIS
			882 SKINKER

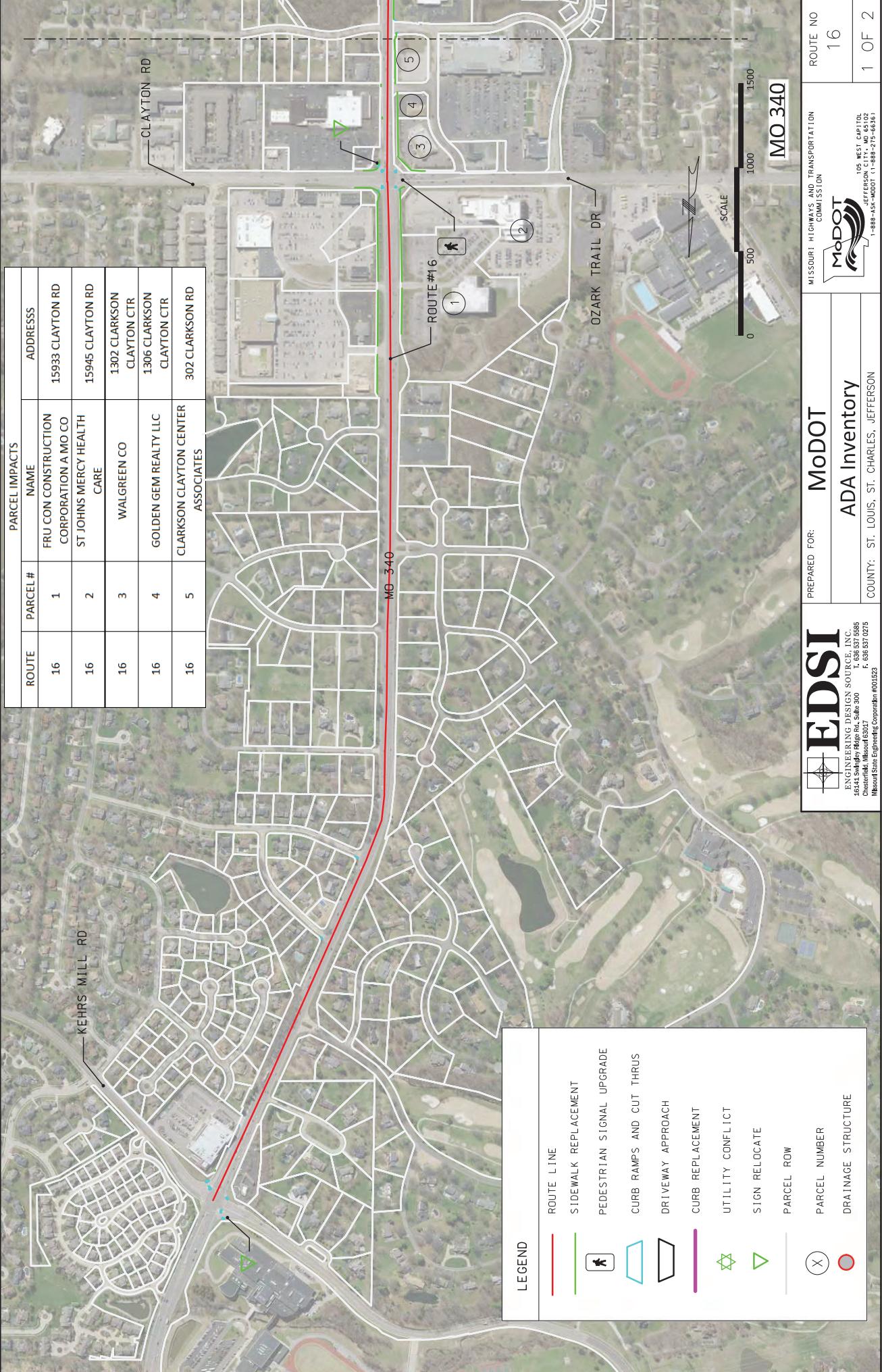


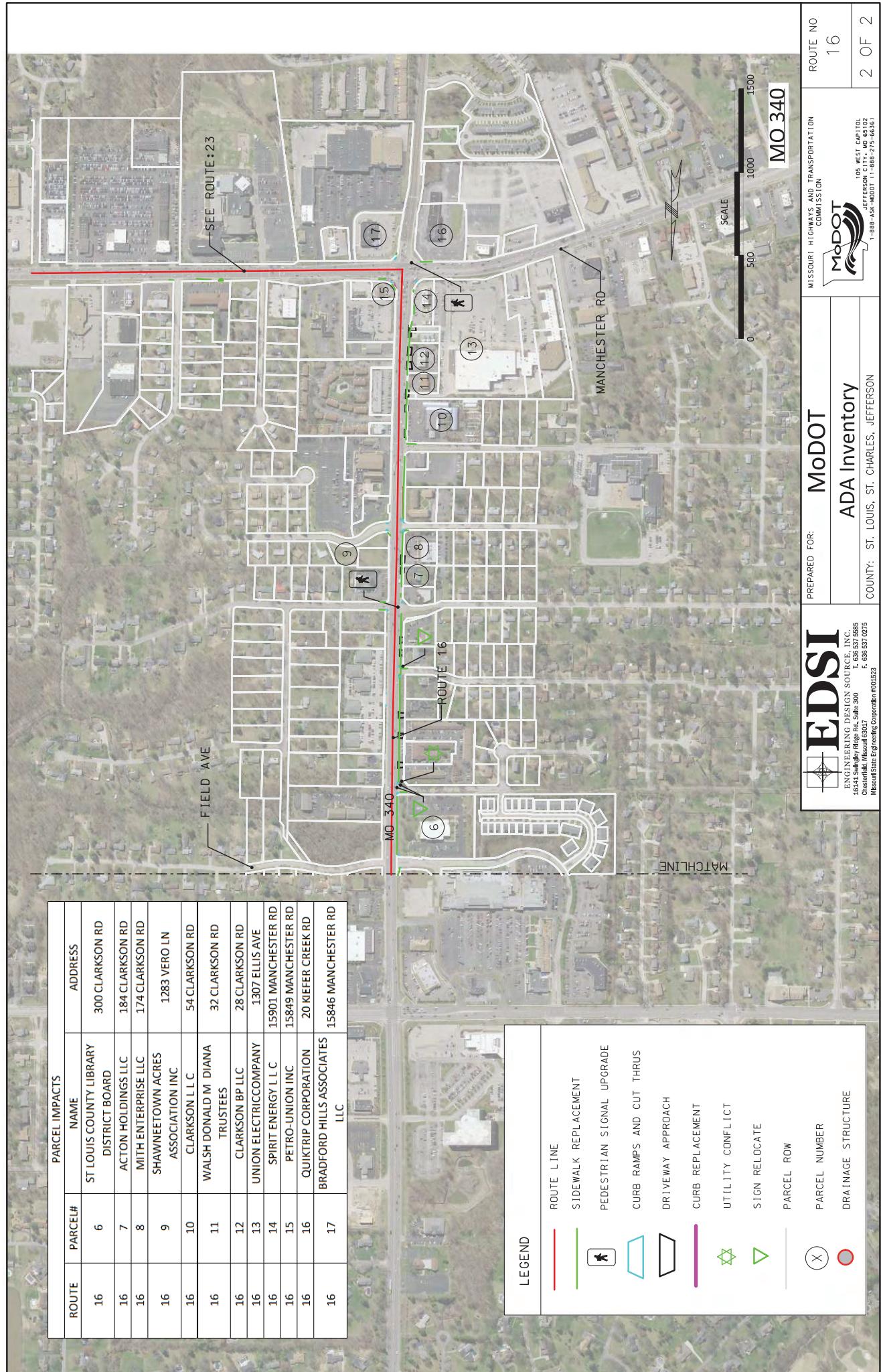
MO 340

<b>EDSI</b> ENGINEERING DESIGN SOURCE, INC. 1634 Swisher Ridge Rd, Suite 300 Chesterfield, Missouri 63101 F. 314.531.5885 E. 314.531.0275 Missouri State Engineering Corporation #051523	PREPARED FOR: <b>MoDOT</b>	ROUTE NO 15
	<b>ADA Inventory</b>	ROUTE NO 3 OF 3

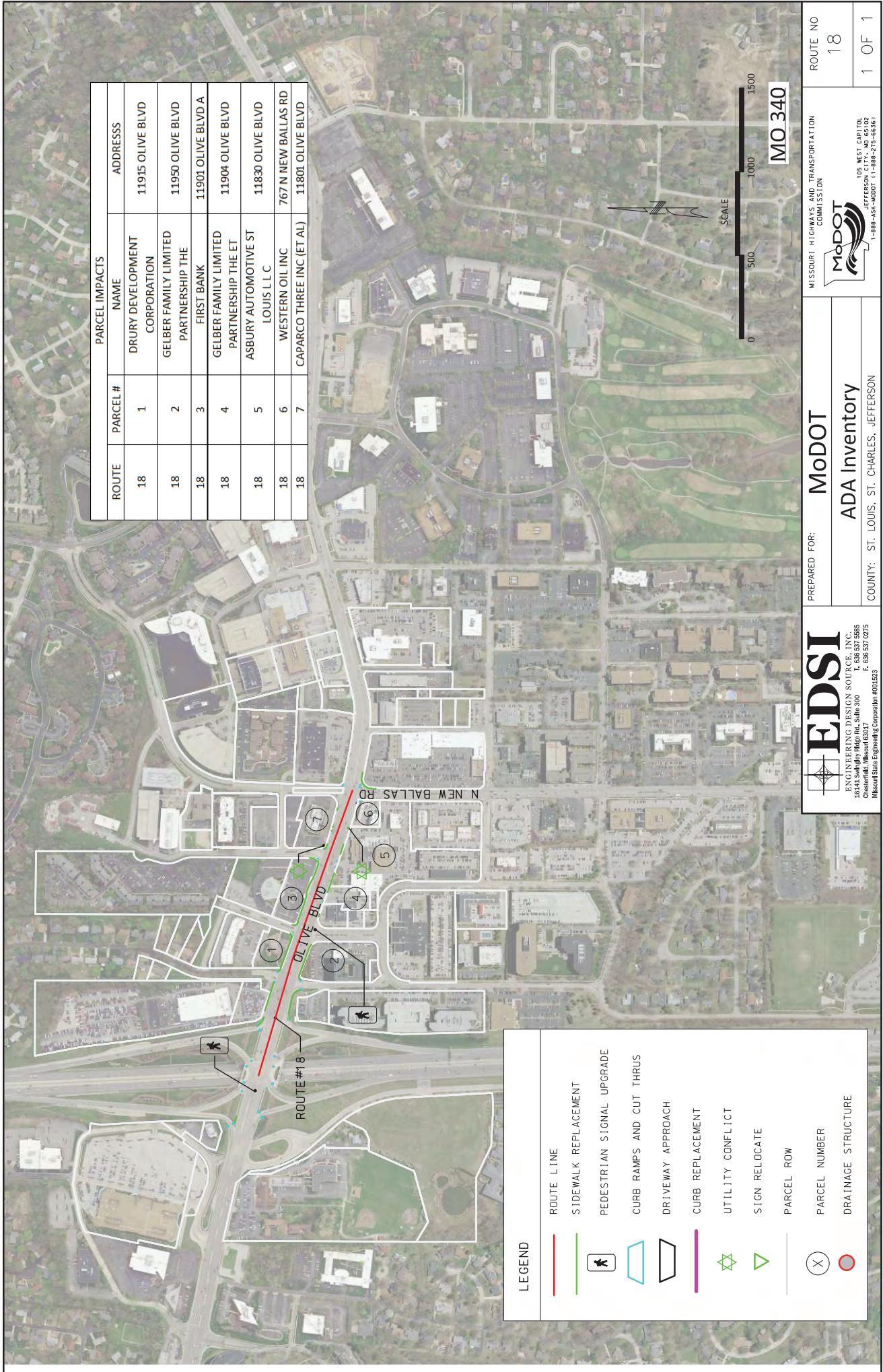
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
**MoDOT**  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-455-1551

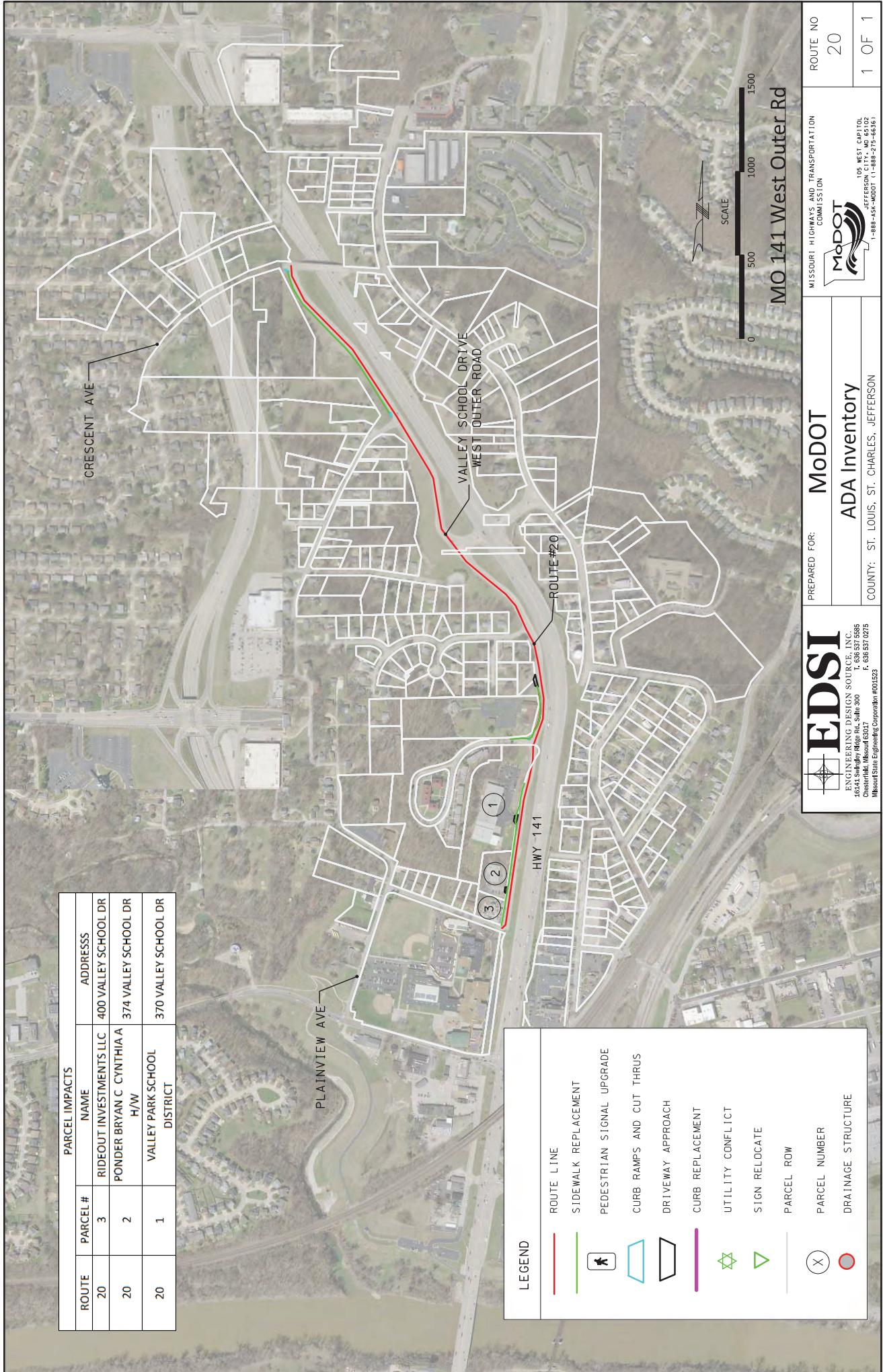
PARCEL IMPACTS			
ROUTE	PARCEL #	NAME	ADDRESS
16	1	FRU CON CONSTRUCTION CORPORATION A MO CO	15933 CLAYTON RD
16	2	ST. JOHNS MERCY HEALTH CARE	15945 CLAYTON RD
16	3	WAUGREEN CO	1302 CLARKSON CLAYTON CTR
16	4	GOLDEN GEM REALTY LLC	1306 CLARKSON CLAYTON CTR
16	5	CLARKSON CLAYTON CENTER ASSOCIATES	302 CLARKSON RD

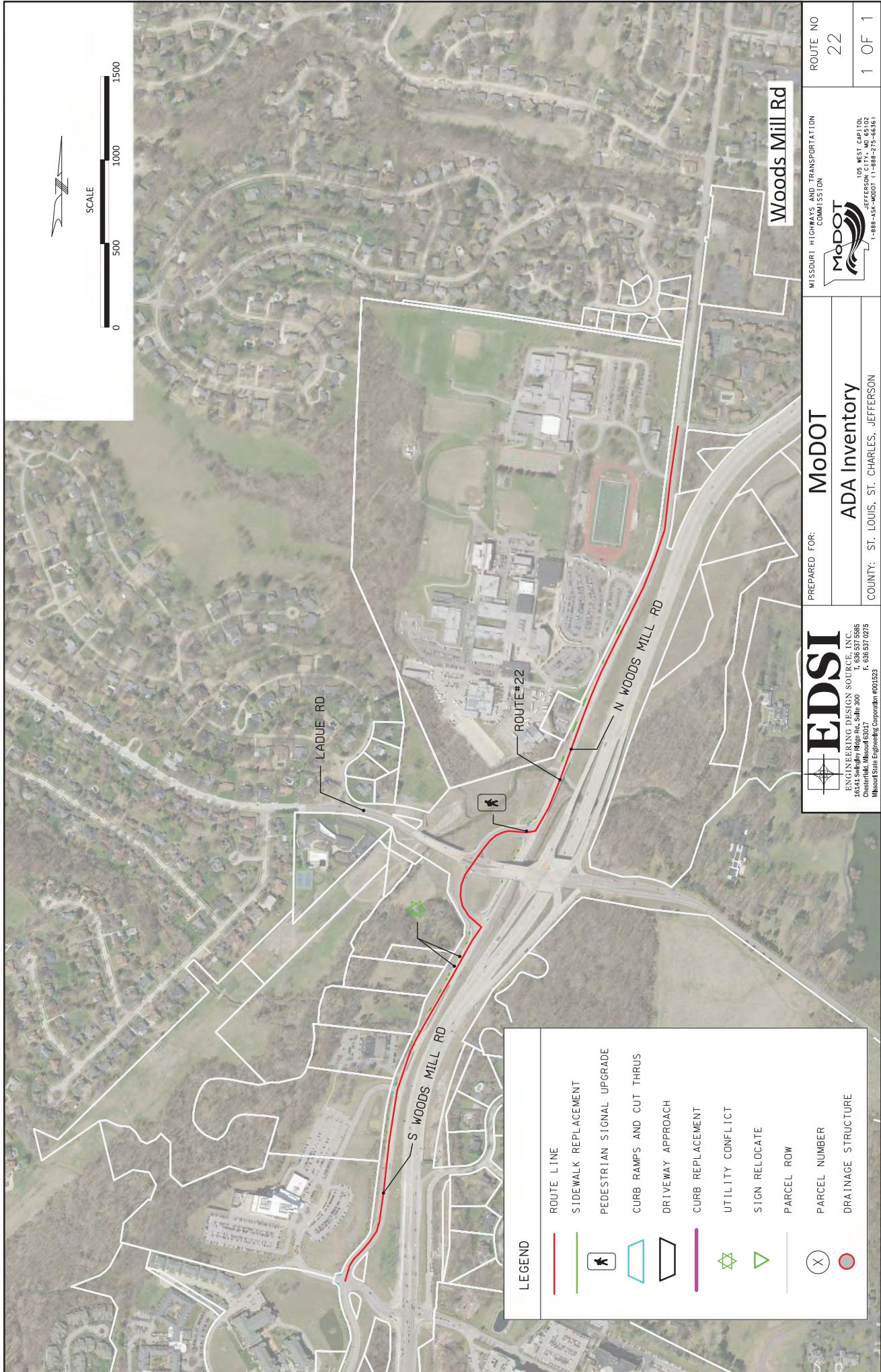


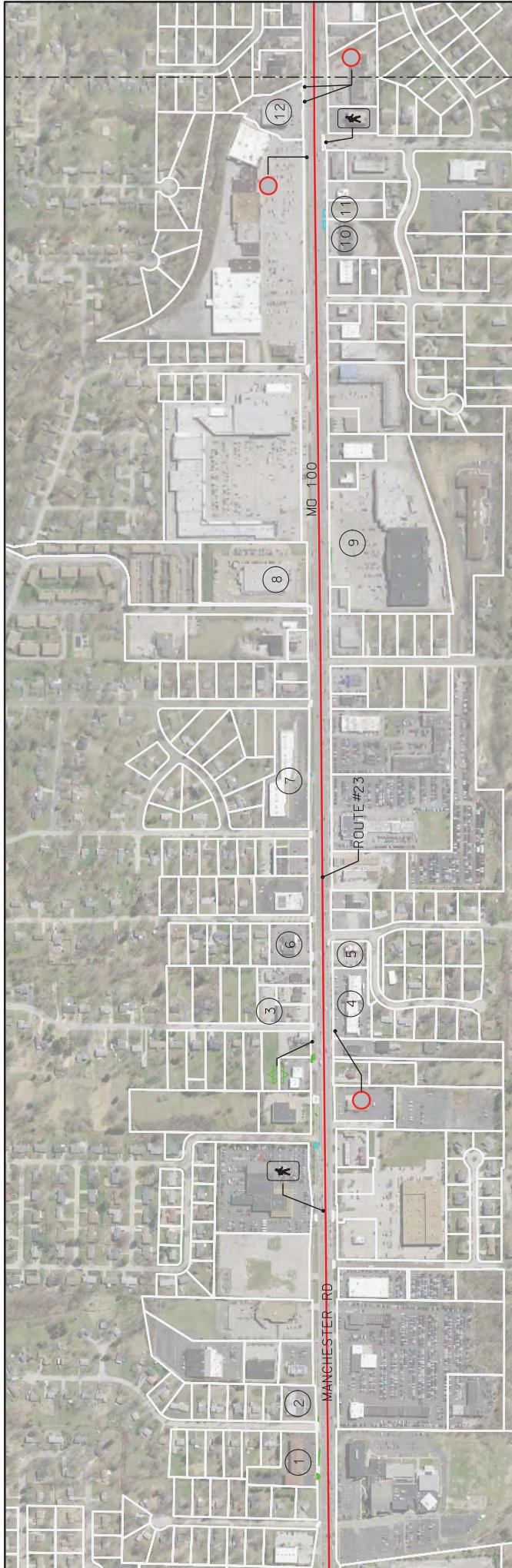








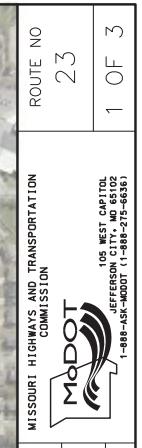




PARCEL IMPACTS		
ROUTE	PARCEL #	NAME
23	1	CREST DEVELOPMENT CO ETAL & LISA H/W
23	2	D & D PARTNERSHIP
23	3	MANCHESTER DEVELOPMENT LLC
23	4	15620 MANCHESTER 2019 LLC
23	5	GAMACHE REAL ESTATE HOLDINGS LLC
23	6	TRIPLE J PROPERTIES LLC
23	7	GREENBERG INVESTMENTS L P ETAL
23	8	SLW II REAL ESTATE LLC
23	9	RCG ELLISVILLE LLC
23	10	15320 MANCHESTER LLC
23	11	AMERENUE
23	12	LHV PROPERTIES LLC

<b>EDSI</b> ENGINEERING DESIGN SOURCE, INC. 1634 Shady Ridge Rd, Suite 300 Chesterfield, Missouri 63017 Missouri State Engineering Corporation #015233	<b>MODOT</b> MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	ROUTE NO 23
<b>ADA Inventory</b>	COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON	1 OF 3

PARCEL NUMBER
DRAWING STRUCTURE

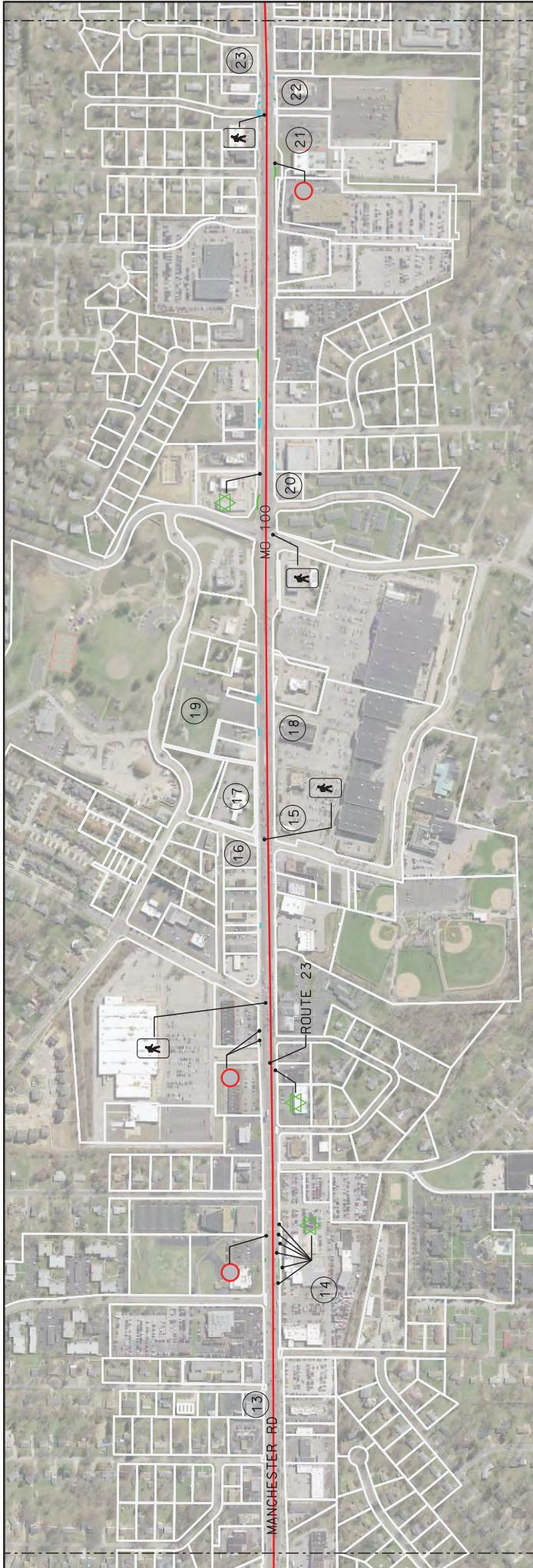


PREPARED FOR:  
**MODOT**  
**ADA Inventory**

ROUTE NO  
23



1 OF 3

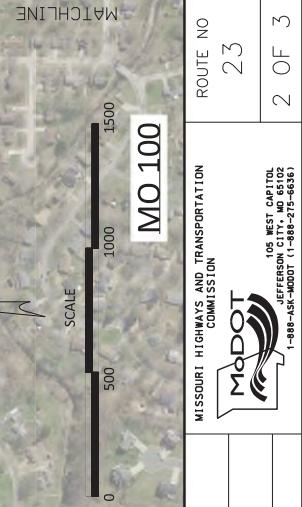


#### LEGEND

- ROUTE LINE
- SIDEWALK SIGNAL UPGRADE
- PEDESTRIAN
- CURB RAMPS AND CUT THRU'S
- △ DRIVEWAY APPROACH
- CURB REPLACEMENT
- UTILITY CONFLICT
- ▽ SIGN RELOCATE
- PARCEL ROW
- PARCEL NUMBER
- DRAINAGE STRUCTURE

#### PARCEL IMPACTS

ROUTE	PARCEL #	NAME	ADDRESS
23	13	KINSEY LLC	15209 MANCHESTER RD
23	14	MSH CHEVROLET CADILLAC INC ETAL	15110 MANCHESTER RD
23	15	OLDE TOWNE PLAZA LLC	14820 MANCHESTER RD
23	16	FRICK & FRACK INVESTORS LL C	14919 MANCHESTER RD
23	17	ASSESSOR UPDATE PENDING	
23	18	OLDE TOWNE PLAZA LLC	14820 MANCHESTER RD
23	19	SALEM IN BALLWIN UNITED METHODIST CHURCH	14825 MANCHESTER RD
23	20	LEWIS & CLARK VILLAGE INC	14784 MANCHESTER RD
23	21	SUNTRUP WILLIAM N TRUSTEE ETAL	14660 MANCHESTER RD
23	22	ANDERSON LAND INVESTMENTS VLLC	14646 MANCHESTER RD
23	23	DDD MANCHESTER LLC	14633 MANCHESTER RD



ModOT  
ADA Inventory

PREPARED FOR:



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

ROUTE NO  
23  
2 OF 3

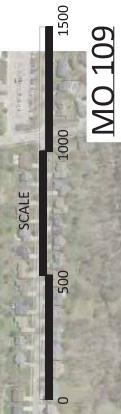
EDSI  
ENGINEERING DESIGN SOURCE, INC.  
1634 S Shady Ridge Rd, Suite 300  
Chesterfield, Missouri 63017  
F. 314.531.5886  
E. 314.531.0275  
Missouri State Engineering Corporation #015233

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-456-5551





PARCEL IMPACTS		NAME		ADDRESS
ROUTE	PARCEL #	NAME		
24	1	MANCHE REAL ESTATE PARTNERSHIP L.P.		17055 CLAYTON RD



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	ROUTE NO 24
<b>MoDOT</b>	1 OF 1

PREPARED FOR:  
**MoDOT**  
**ADA Inventory**  
COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON



EDSI  
ENGINEERING DESIGN SOURCE, INC.  
1634 S Shady Ridge Rd, Suite 300  
Clayton, Missouri 63101  
F. 314.531.5886  
T. 314.531.5885  
Missouri Site Engineering Corporation #051523

LEGEND	PARCEL NUMBER	DRAINAGE STRUCTURE
ROUTE LINE		
SIDEWALK REPLACEMENT		
PEDESTRIAN SIGNAL UPGRADE		
CURB RAMPS AND CUT THRU'S		
DRIVEWAY APPROACH		
CURB REPLACEMENT		
UTILITY CONFLICT		
SIGN RELOCATE		
PARCEL ROW		
(X)		
(○)		

**MO 109/MO 141 West Outer Rd**

SCALE

0 500 1000 1500



MODOT  
ADA Inventory

105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-456-4631 1-888-256-6561

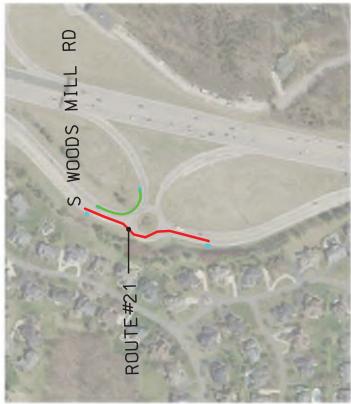


MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

ROUTE NO  
25/21

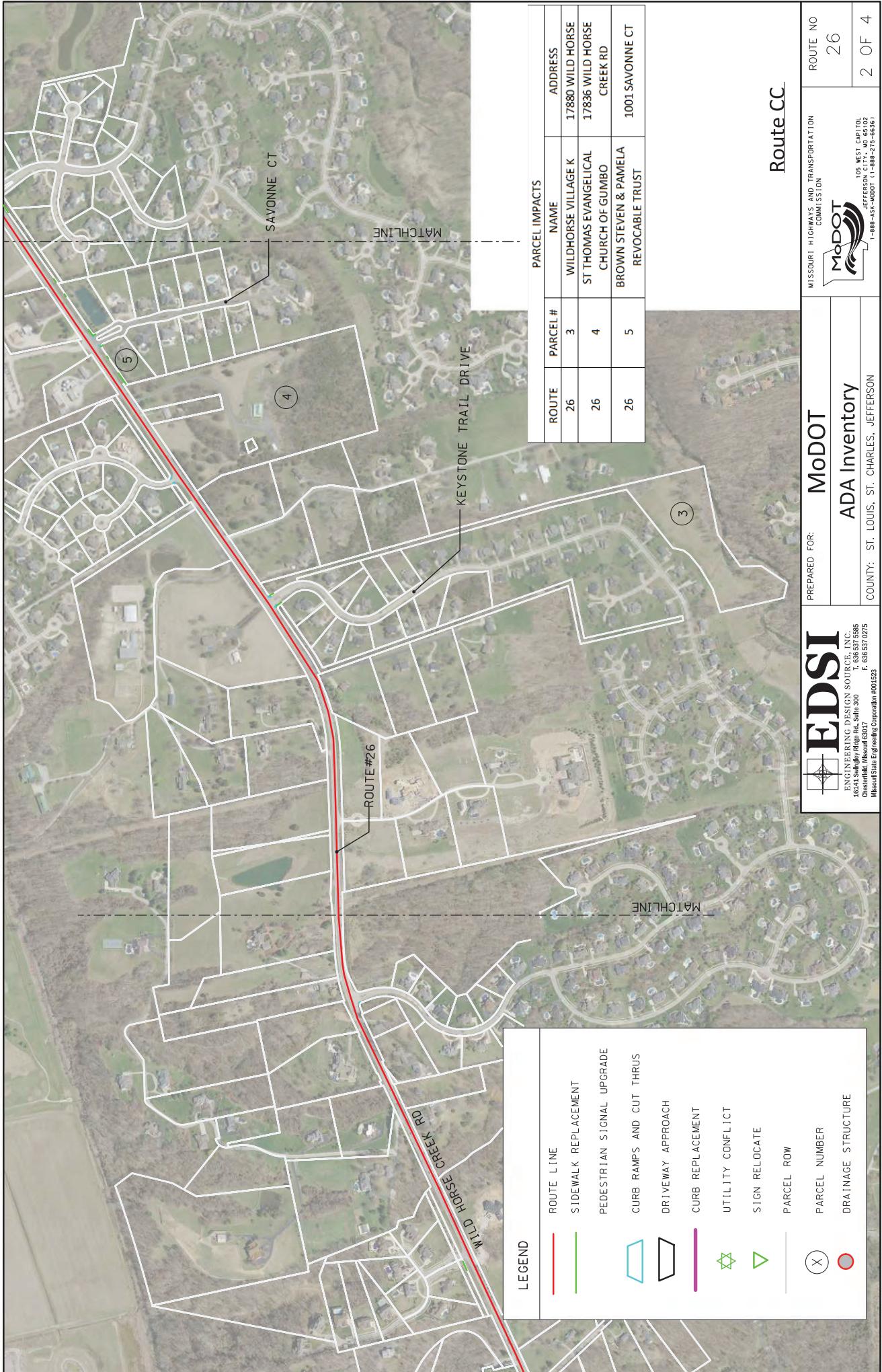


1 OF 1



LEGEND	
	ROUTE LINE
	SIDEWALK REPLACEMENT
	PEDESTRIAN SIGNAL UPGRADE
	CURB RAMPS AND CUT THRU'S
	DRIVEWAY APPROACH
	CURB REPLACEMENT
	UTILITY CONFLICT
	SIGN RELOCATE
	PARCEL ROW
	PARCEL NUMBER
	DRAINAGE STRUCTURE

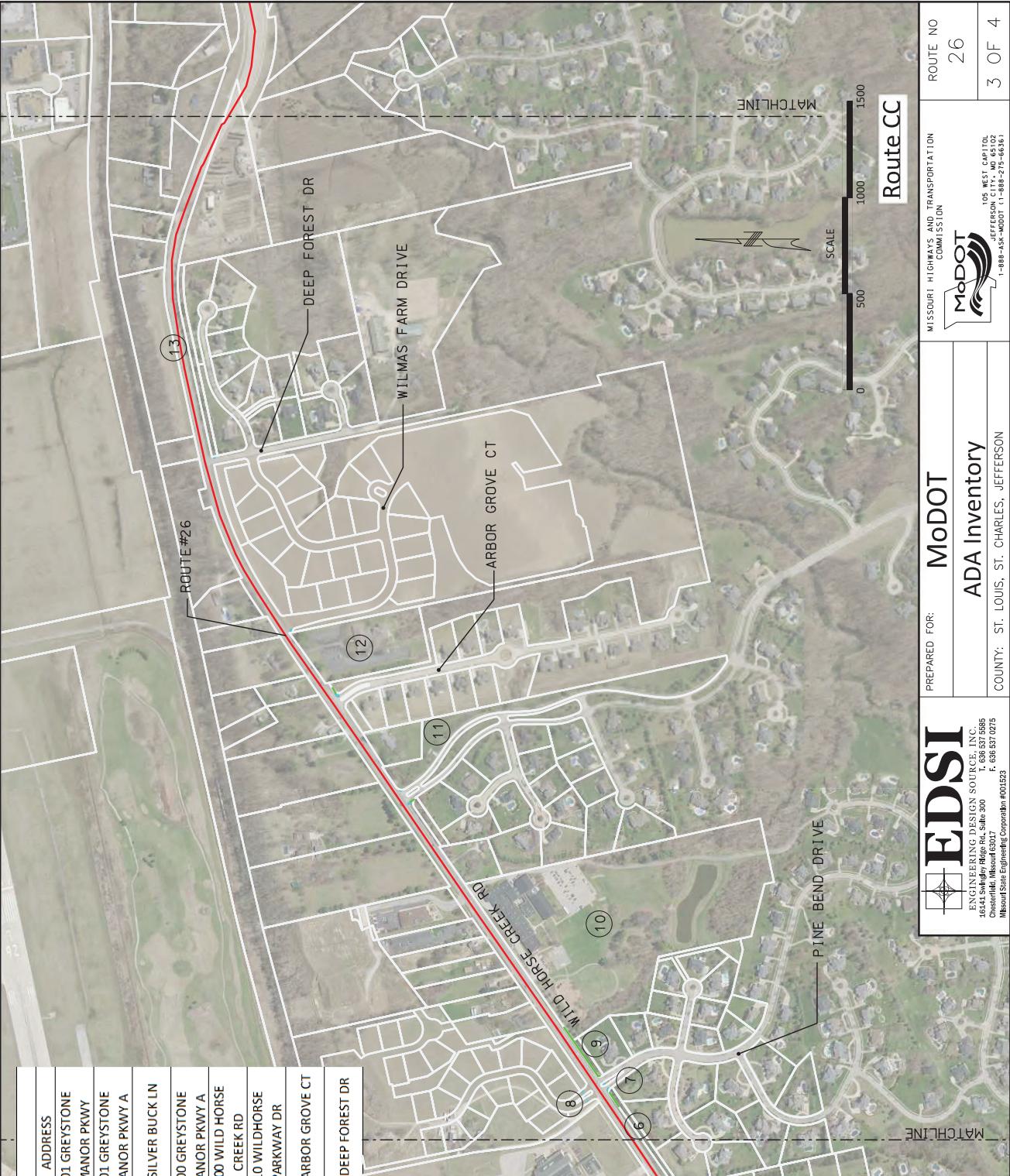




ROUTE	PARCEL #	NAME	ADDRESS
26	6	GREYSTONE HOME OWNERS ASSOCIATION	1001 GREYSTONE MANOR PKWY
26	7	GREYSTONE HOME OWNERS ASSOCIATION	1001 GREYSTONE MANOR PKWY A
26	8	BUR OAKS HOME OWNERS ASSOCIATION	993 SILVER BUCK LN
26	9	GREYSTONE HOME OWNERS ASSOCIATION	1000 GREYSTONE MANOR PKWY A
26	10	R-6 SCHOOL DISTRICT	17700 WILD HORSE CREEK RD
26	11	WILDHORSE VILLAGE A TRUSTEES	1010 WILDHORSE PARKWAY DR
26	12	ARBORS AT WILDHORSE CREEK HOME OWNERS	1090 ARBOR GROVE CT
26	13	WINDRIDGE ESTATES COMMUNITY SERVICES	1100 DEEP FOREST DR

#### LEGEND

- ROUTE LINE
- SIDEWALK REPLACEMENT
- PEDESTRIAN SIGNAL UPGRADE
- CURB RAMPS AND CUT THRU'S
- DRIVEWAY APPROACH
- UTILITY CONFLICT
- SIGN RELOCATE
- PARCEL ROW
- PARCEL NUMBER
- DRAINAGE STRUCTURE



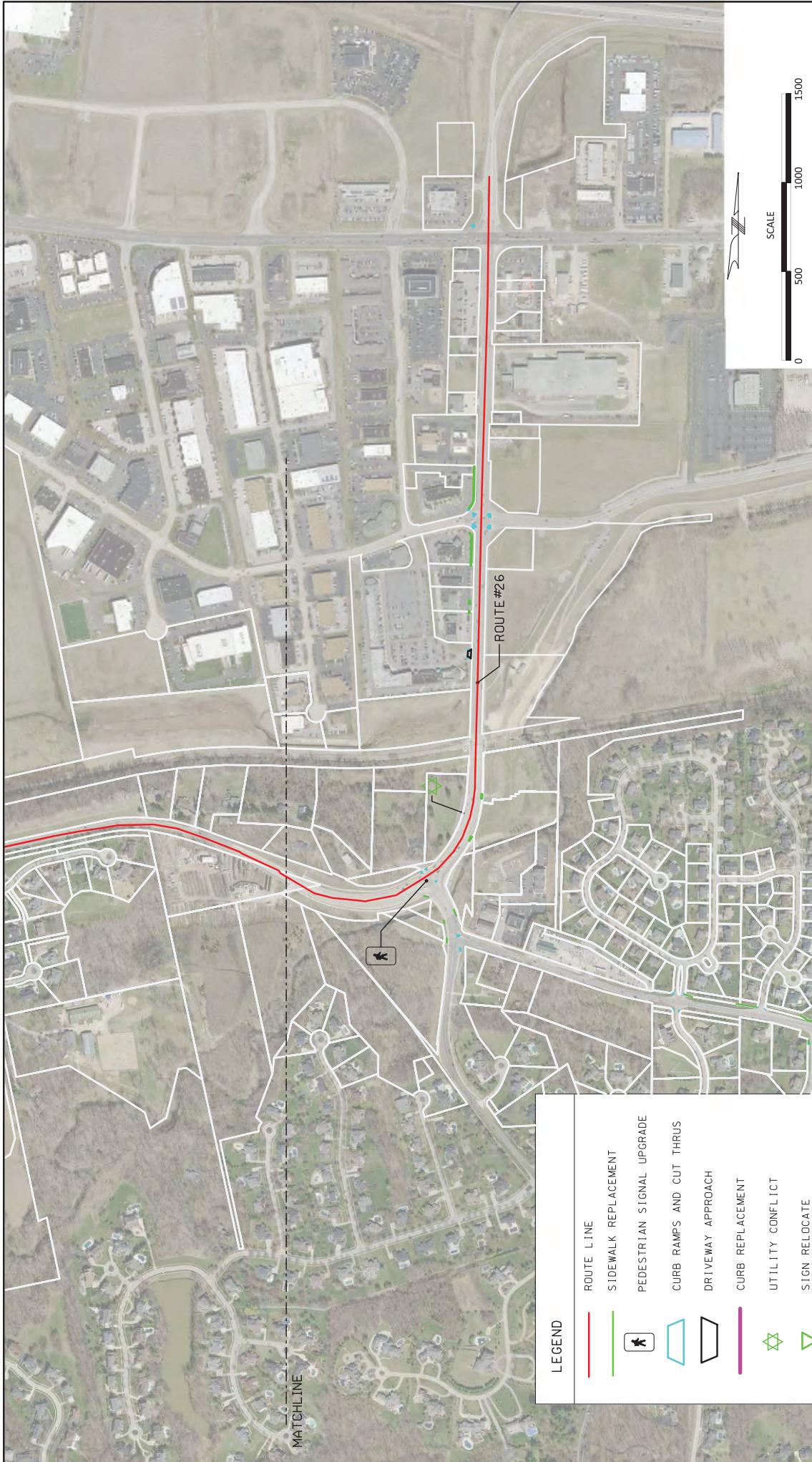
**EDSI**  
ENGINEERING DESIGN SOURCE, INC.  
1634 Shady Ridge Rd, Suite 300  
Clayton, Missouri 63101  
F. 363 537 0275  
Missouri State Engineering Corporation #051623

PREPARED FOR:  
**ModOT**  
**ADA Inventory**



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-456-4001 1-888-253-5651

ROUTE NO.  
**26**  
ROUTE CC  
3 OF 4



#### LEGEND

- ROUTE LINE
- SIDEWALK REPLACEMENT
- PEDESTRIAN SIGNAL UPGRADE
- CURB RAMPS AND CUT THRU'S
- DRIVEWAY APPROACH
- CURB REPLACEMENT
- UTILITY CONFLICT
- SIGN RELOCATE
- PARCEL ROW
- PARCEL NUMBER
- DRAWING STRUCTURE



MODOT

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL

JEFFERSON CITY, MO 65102

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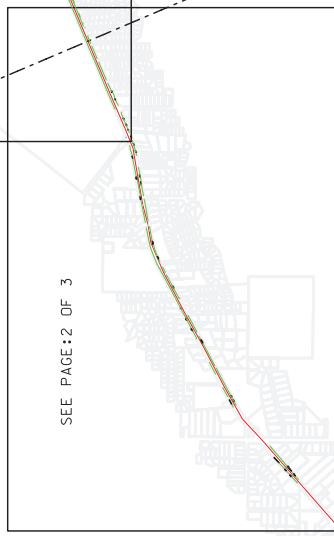
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SEE PAGE: 3 OF 3



SEE PAGE: 2 OF 3



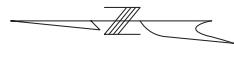
GRANTS TRAIL

LINDBERGH BLVD

MERAMEC RIVER

ROUTE #27-HIGHWAY 30

ROUTE: 27  
Begin Point: MO 141  
End Point: Valcour



MO 141

SCALE  
0 2000 4000 6000



EDSI

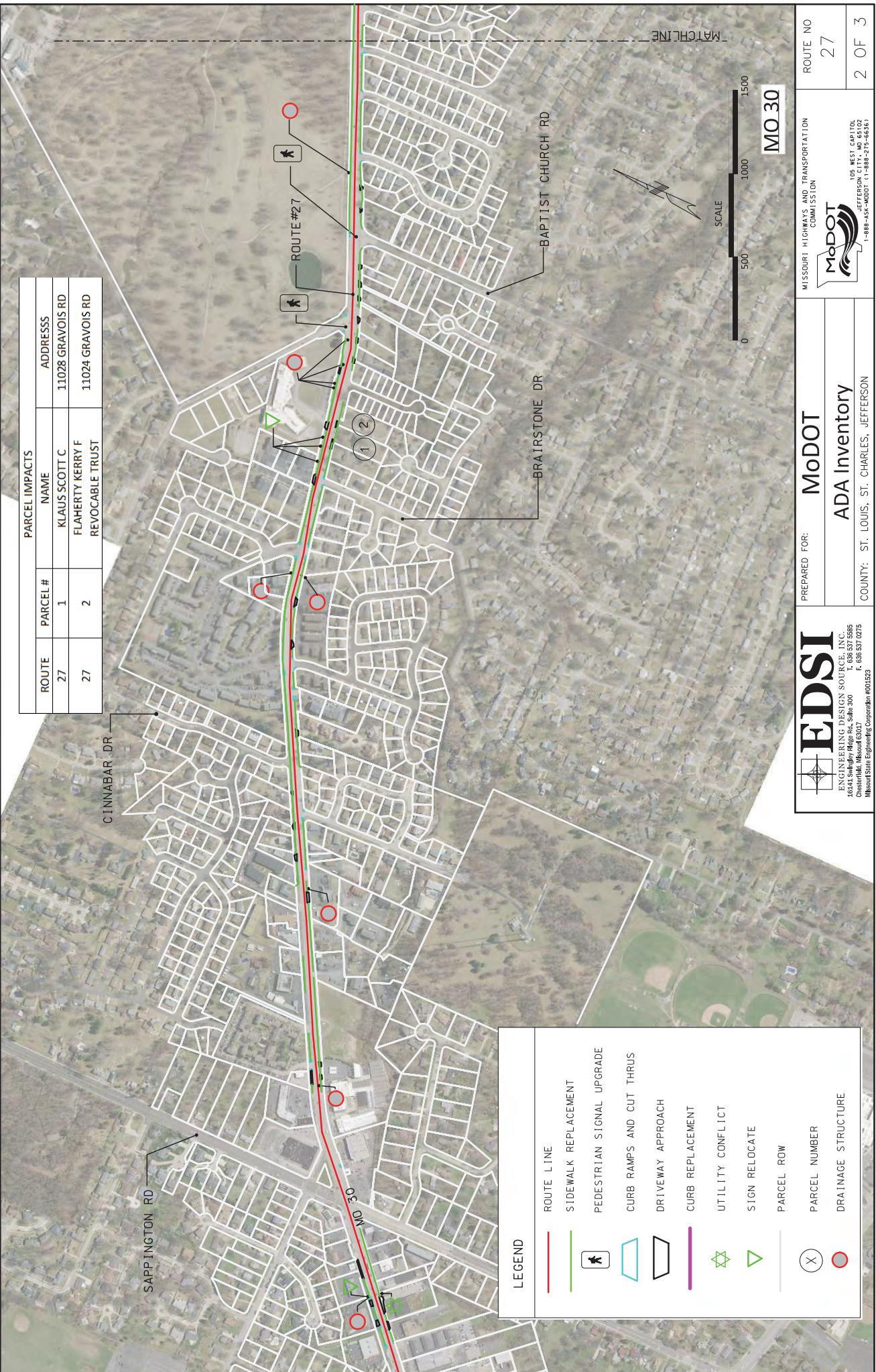
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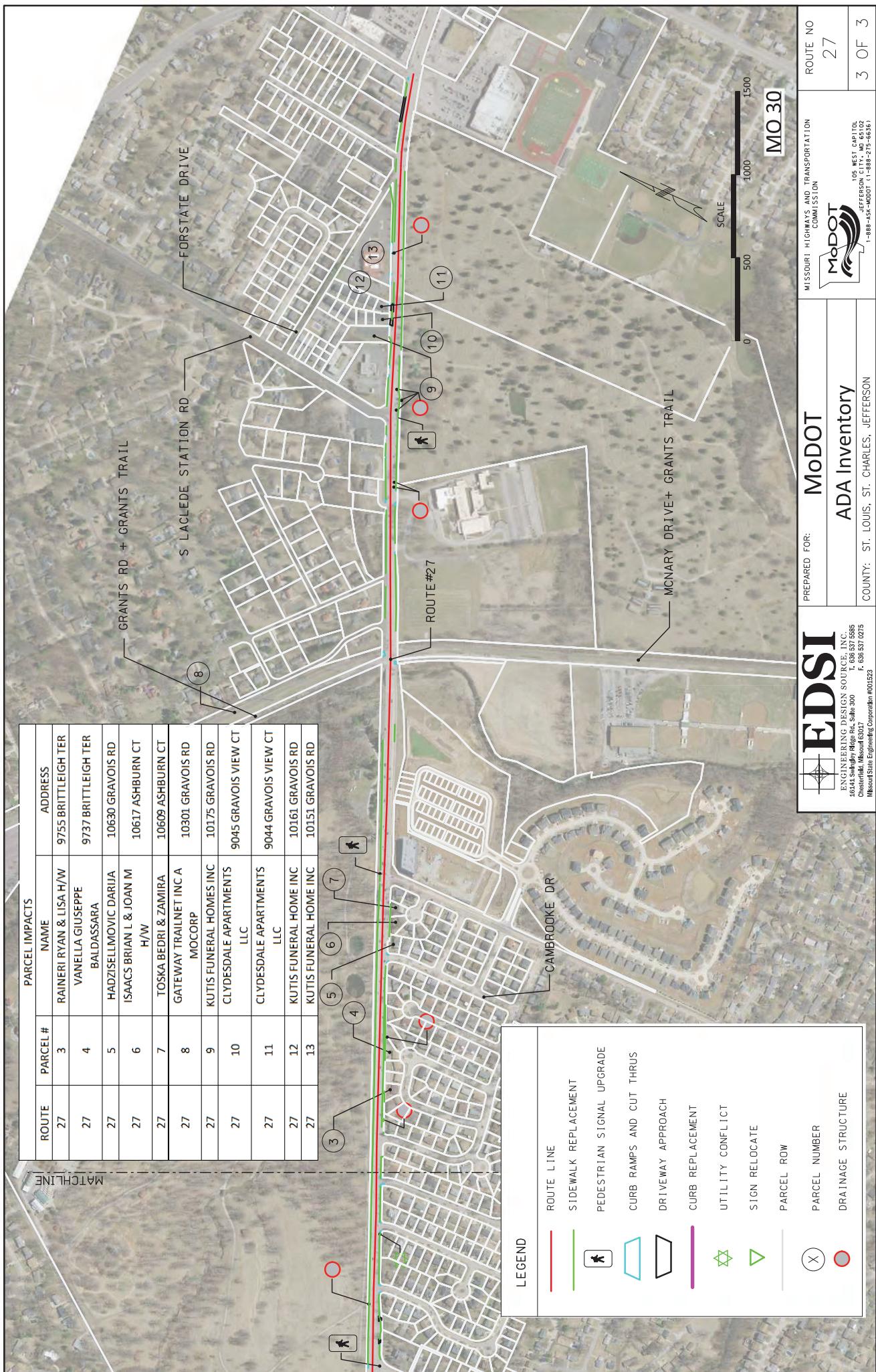
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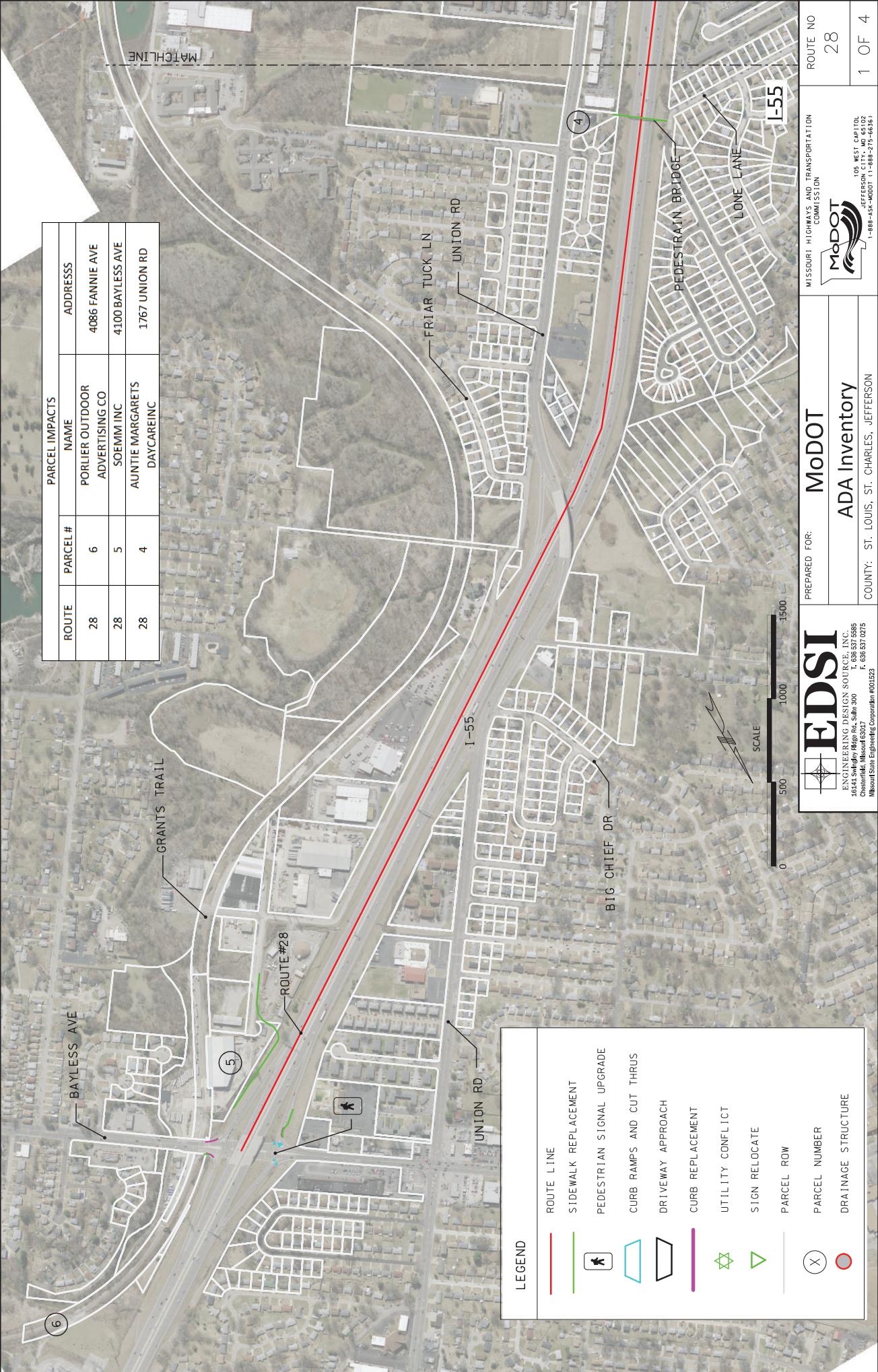
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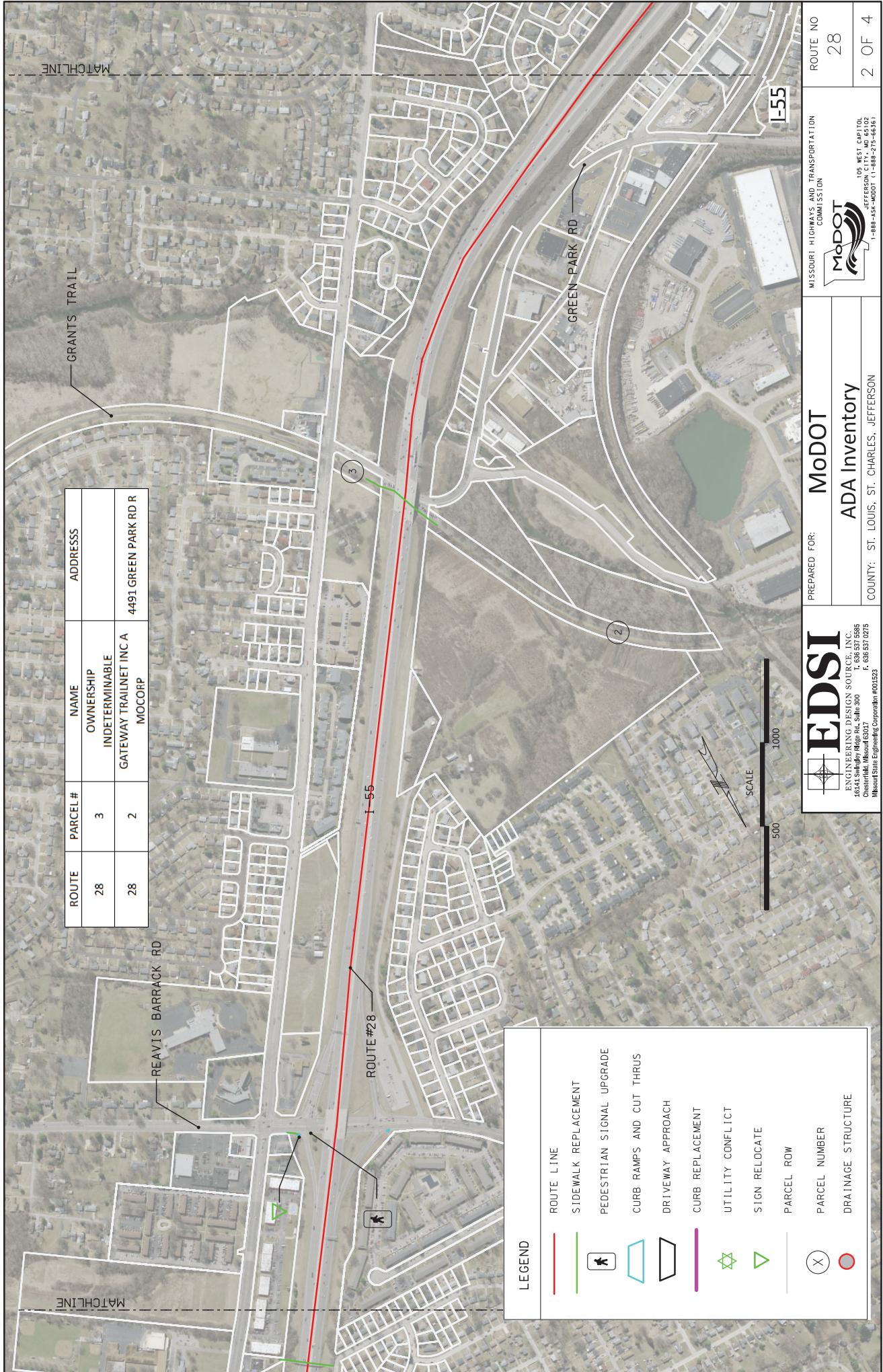
COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON

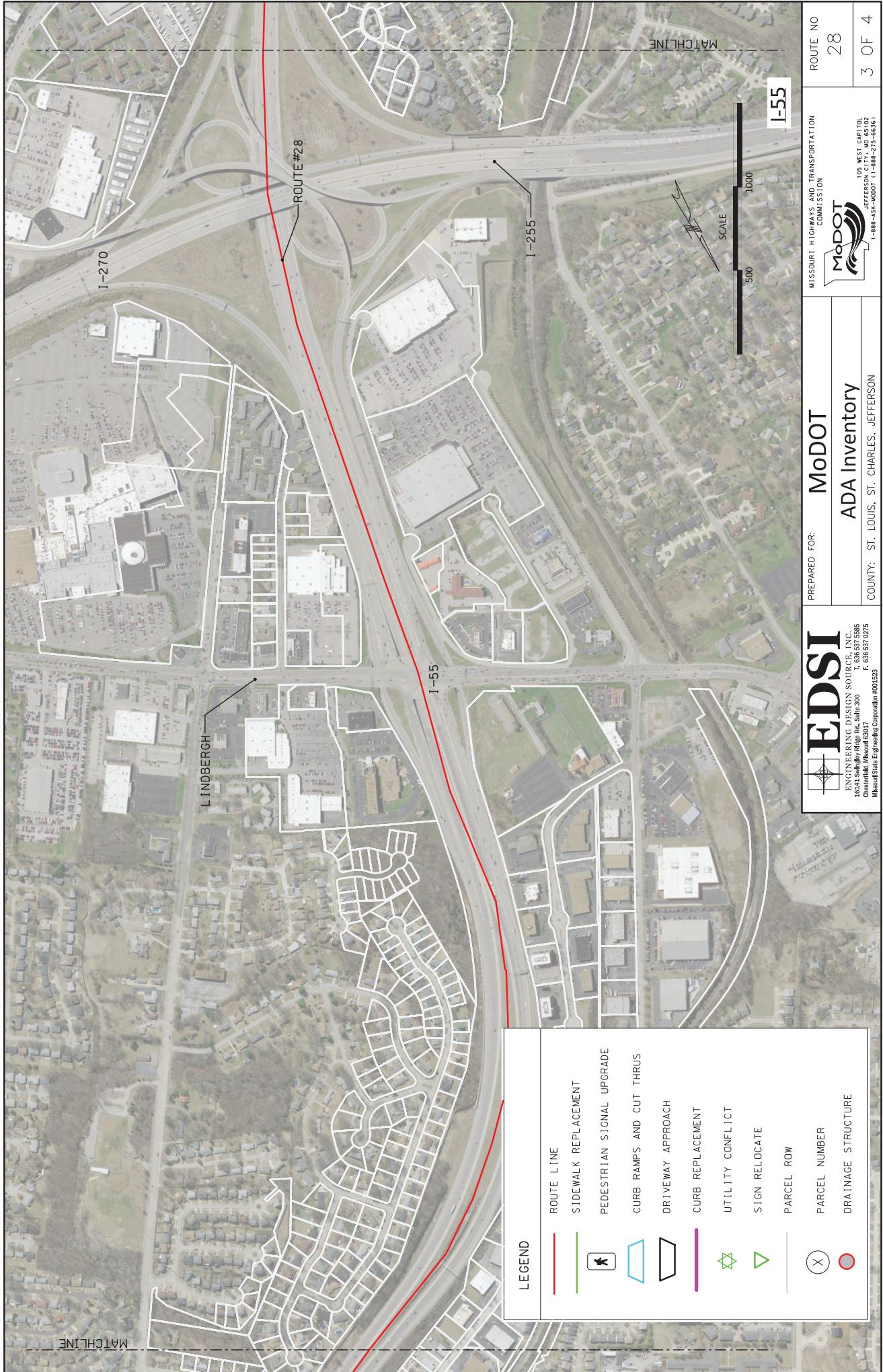
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	ROUTE NO 27
MoDOT 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-456-4601 1-888-256-6561	1 OF 3

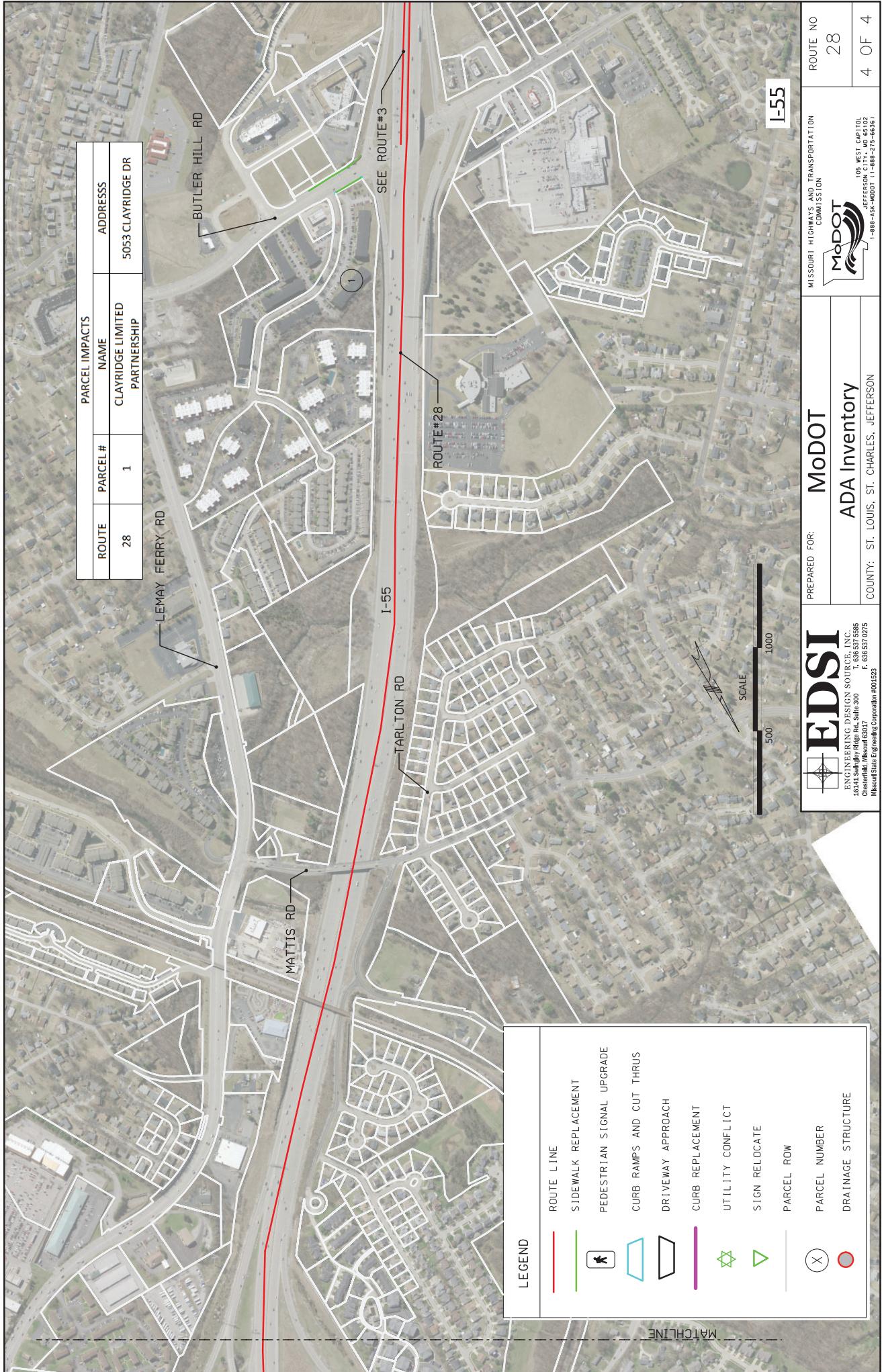


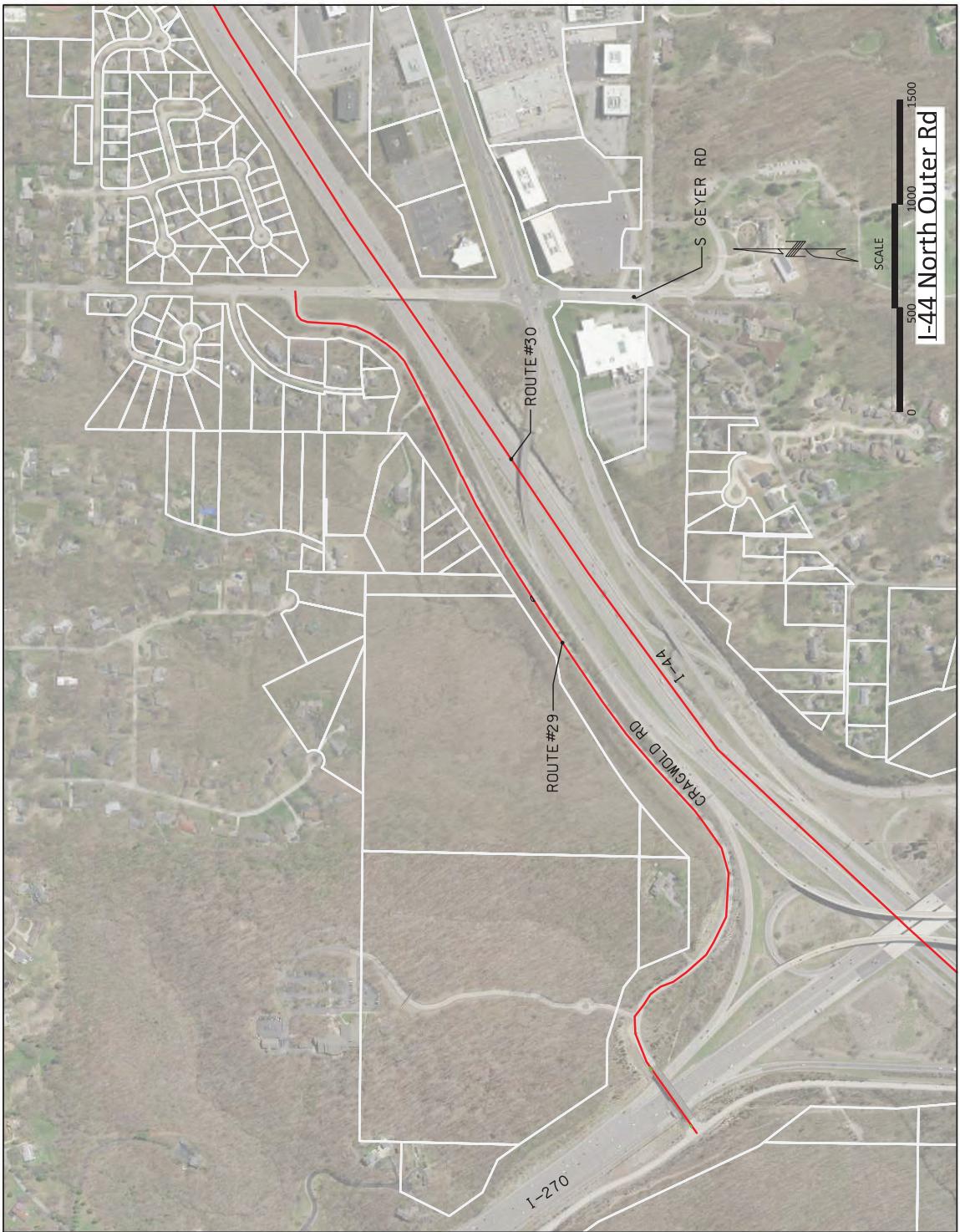


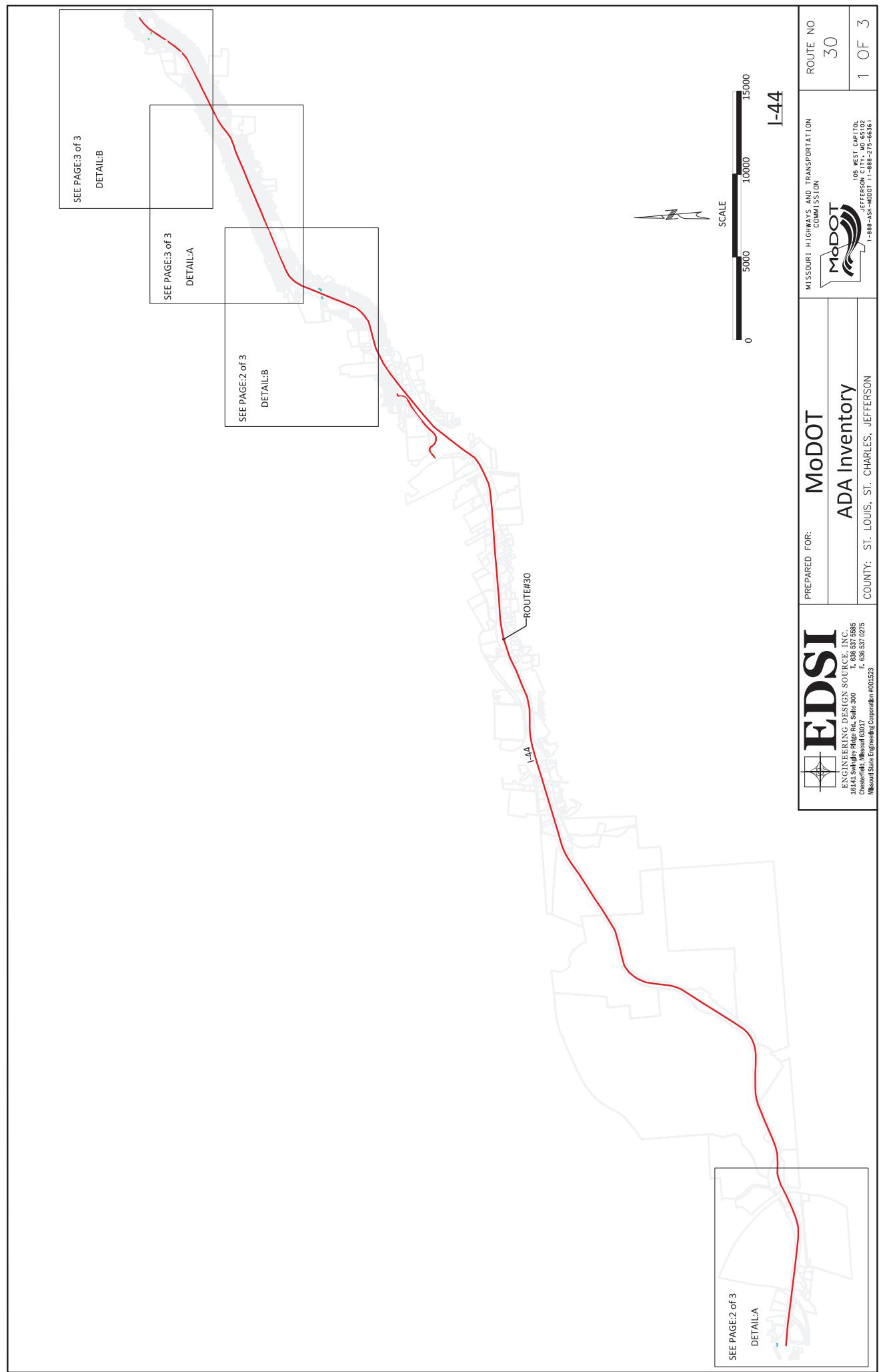














**NOTE: NO ADA IMPROVEMENTS  
NECESSARY WITHIN OMITTED  
PORTIONS OF THE ROUTE.**

APPROX 14.2 MILES BETWEEN  
BREAKLINES A-A

DETAILED

SCALE

1-44



DETAILS

EDSI

ADA Inventory

COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON

M ✓

FERNANDE  
FERNANDE

IoDOT  
Inventor  
CHARLES, JEF

ADA  
OR: M

PREPARED F  
COUNTY: S

**ST** RCE, INC.  
T. 636 537 5885  
F. 636 537 0275  
3

JED'S  
RING DESIGN SOU  
Ridge Rd., Suite 300  
Mount 63017  
Engineering Corporation #0152

1

STRUCTURE

PARCEL NUMBER \_\_\_\_\_

PA DR

1

LEGEND	
	ROUTE LINE
	SIDEWALK REPLACEMENT
	PEDESTRIAN SIGNAL UPGRADE
	CURB RAMPS AND CUT THRU
	DRIVeway APPROACH
	CURB REPLACEMENT
	UTILITY CONFLICT
	SIGN RELOCATE
	PARCEL ROW
	PARCEL NUMBER
	DRAINAGE STRUCTURE

NOTE: NO ADA IMPROVEMENTS  
NECESSARY WITHIN OMITTED  
PORTIONS OF THE ROUTE.

ROUTE EXTENDS  
APPROX 2.6 MILES BETWEEN  
BREAKLINES C-C

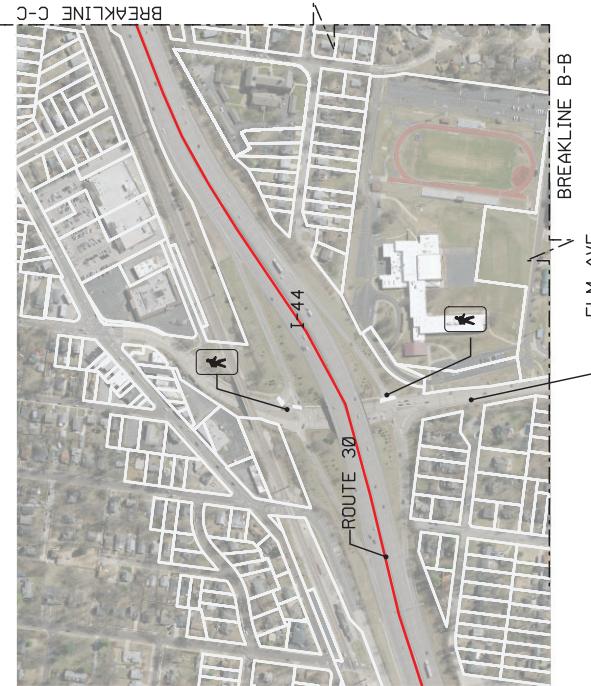


DETAIL:B



SCALE  
0 500 1000 1500

I-44



ROUTE EXTENDS  
APPROX 2.1 MILES BETWEEN  
BREAKLINES B-B

DETAIL:A

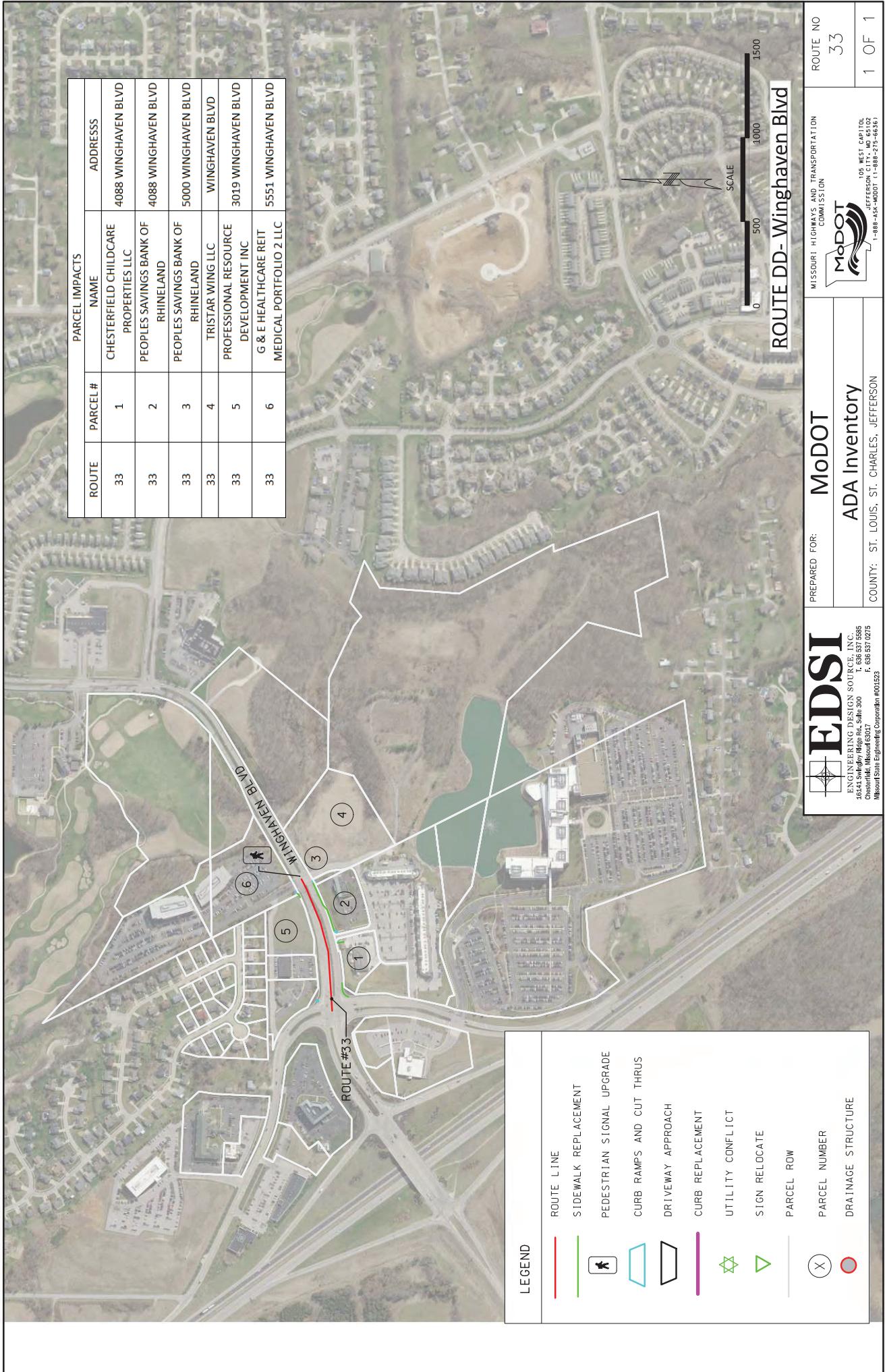
LEGEND	PREPARED FOR:	MODOT	ROUTE NO
ROUTE LINE	EDSI	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	30
SIDEWALK REPLACEMENT	ADA Inventory	JEFFERSON CITY, MO 65101 1-888-456-4631 215-6561	3 OF 3
PEDESTRIAN SIGNAL UPGRADE			
CURB RAMPS AND CUT THRU'S			
DRIVEWAY APPROACH			
CURB REPLACEMENT			
UTILITY CONFLICT			
SIGN RELOCATE			
PARCEL ROW			
PARCEL NUMBER			
DRAINAGE STRUCTURE			



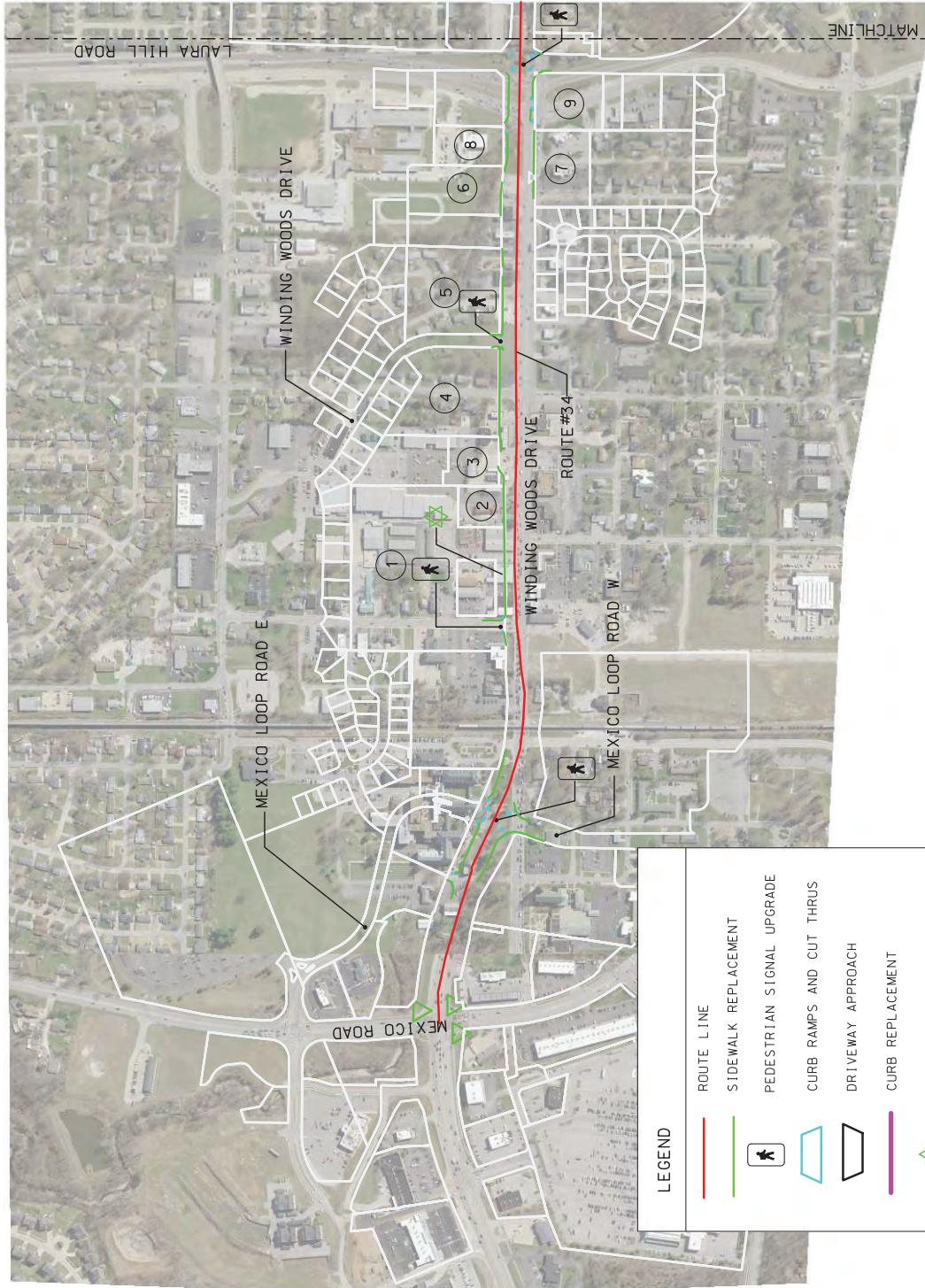


LEGEND	
	ROUTE LINE
	SIDEWALK REPLACEMENT
	PEDESTRIAN SIGNAL UPGRADE
	CURB RAMPS AND CUT THRU'S
	DRIVEWAY APPROACH
	CURB REPLACEMENT
	UTILITY CONFLICT
	SIGN RELOCATE
	PARCEL ROW
PARCEL NUMBER	
	DRAINAGE STRUCTURE

PREPARED FOR:	<b>ModOT</b>	ROUTE NO:	32
ADA Inventory	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION	ROUTE NO:	1 OF 1
	JEFFERSON CITY, MO 65102 1-888-456-5651	105 WEST CAPITOL F, 336 531 5886 Columbia, Missouri 65107 Missouri State Engineering Corporation #051523	
EDSI	COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON		



PARCEL IMPACTS			
ROUTE	PARCEL #	NAME	ADDRESS
34	1	PWAT M/C LLC	HWY K
34	2	VEREIT REAL ESTATE LP	HWY K
34	3	O'FALLON ICE CREAM LLC	HWY K
34	4	GOTTLIEB MERCY ME LLC	300 WINDING WOODS DR
34	5	WINDING WOODS DEVELOPMENT LLC	301 WINDING WOODS DR
34	6	UH STORAGE LIMITED PARTNERSHIP	2000 HWY K
34	7	FRONTIER PLAZA LLC	2003 HWY K
34	8	SOUTHWEST BANK OF ST LOUIS	101 LAURA K DR
34	9	SPRINT ENERGY LLC	2035 HWY K



**EDSI**

ENGINEERING DESIGN SOURCE, INC.  
1634 S. Shady Ridge Rd., Suite 300  
Chesterfield, Missouri 6317

F. 363-531-5886

T. 363-531-0275

Missouri Site Engineering Corporation #051523

**ModOT**  
**ADA Inventory**

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
**ModOT**  
105 WEST CAPITOL JEFFERSON CITY, MO 65101  
1-888-456-4481 1-888-251-6651

SCALE  
0 500 1000 1500

**ROUTE K**

ROUTE NO	34
1 OF 2	



PARCEL IMPACTS			
ROUTE	PARCEL #	NAME	ADDRESS
34	10	FEISE AND K LLC	2107 HWY K
34	11	PEBB OFALLON LLC	HWY K
34	12	CARTER ANIMAL BUILDING LLC	2205 HWY K
34	13	THF LAURA HILL DEV LLC	2106 HWY K
34	14	THF LAURA HILL DEVELOPMENT LLC	2128 HWY K
34	15	THF LAURA HILL DEV LLC	2204 HWY K
34	16	ELDRIDGE PLAZA LLC	2305 HWY K
34	17	THF LAURA HILL DEV LLC	2212 HWY K
34	18	HEARTLAND BANK	2341 HWY K
34	19	THE LAURA HILL DEV LLC	2352 HWY K
34	20	ADKINS FARM INC*ORA PROPERTIES LLC	2390 HWY K
34	21	GREAT SOUTHERN BANK	2419 HWY K
34	22	BDFIF IV FOUR SEASONS LLC	2421 HWY K
34	23	AMERICAN EAGLE CREDIT UNION	2531 HWY K
34	24	FORT ZUMWALT SCHOOL DISTRICT	2621 HWY K

LEGEND
ROUTE LINE
SIDEWALK REPLACEMENT
PEDESTRIAN SIGNAL UPGRADE
CURB RAMPS AND CUT THRU'S
DRIVEWAY APPROACH
CURB REPLACEMENT
UTILITY CONFLICT
SIGN RELOCATE
PARCEL ROW
PARCEL NUMBER
DRAINAGE STRUCTURE

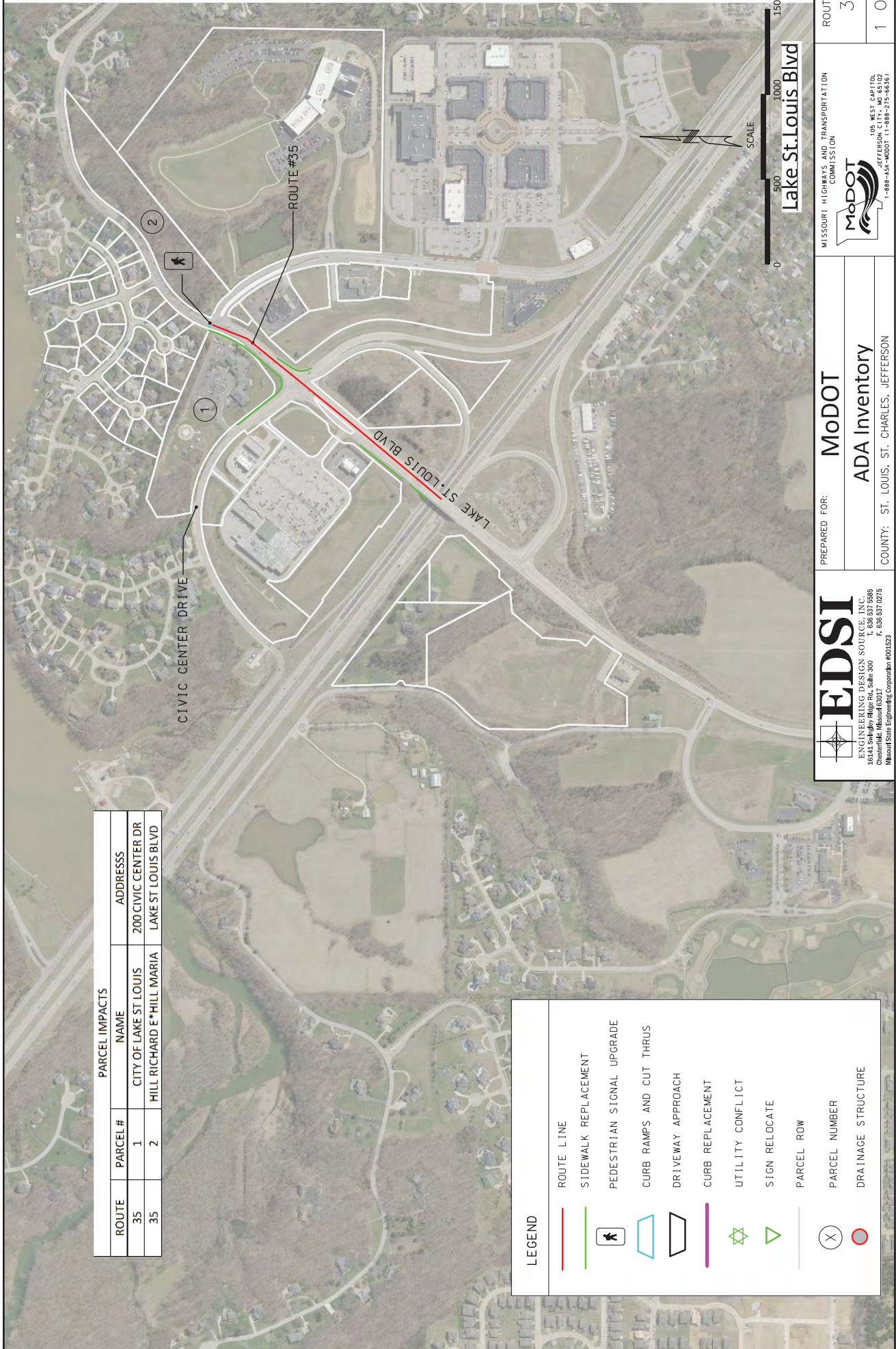
EDSI  
ENGINEERING DESIGN SOURCE, INC.  
1634 Swisher Ridge Rd, Suite 300  
Chesterfield, Missouri 63017  
Missouri State Engineering Corporation #051523

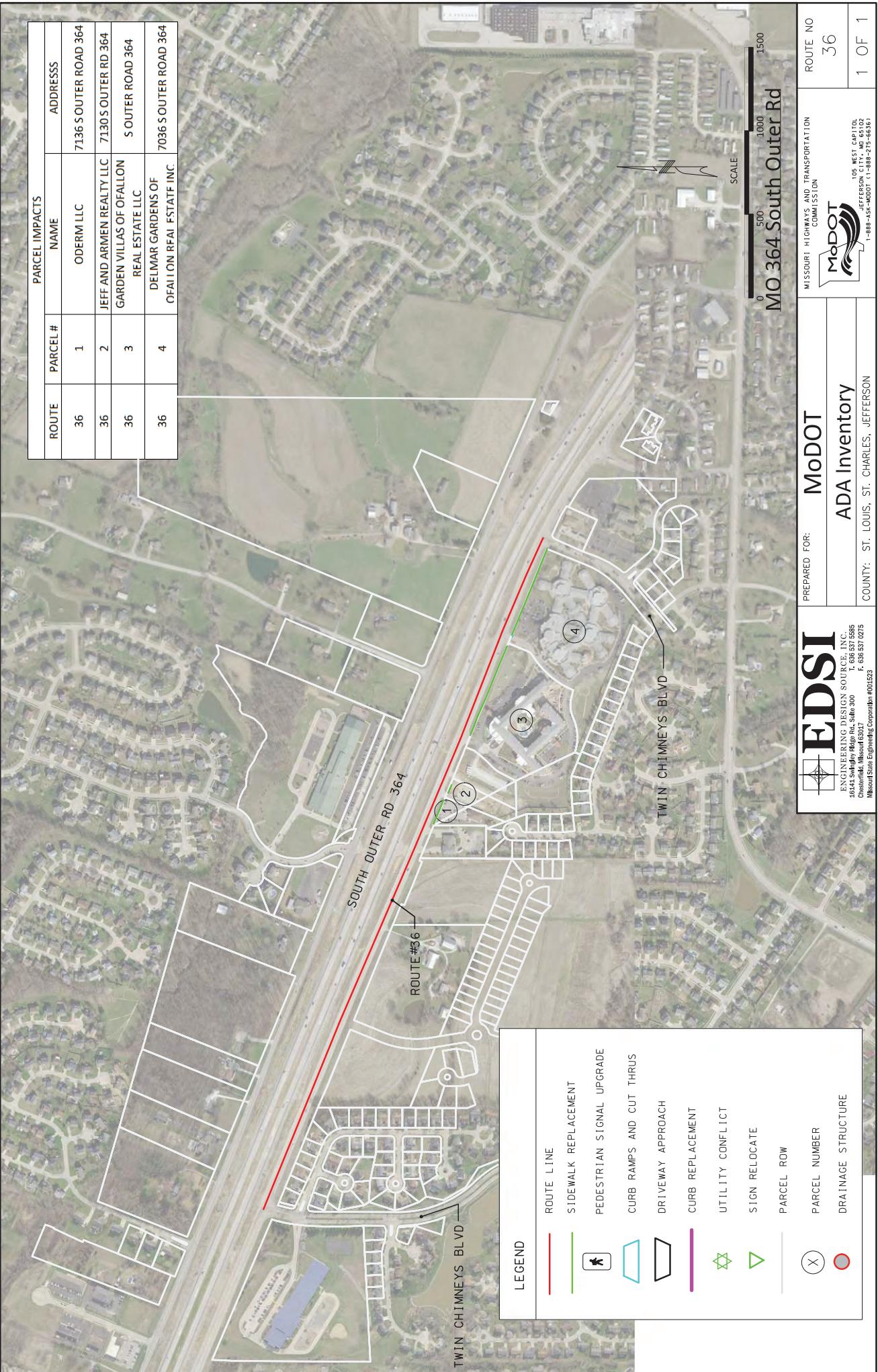
PREPARED FOR:  
**ModOT**  
**ADA Inventory**  
COUNTY: ST. LOUIS, ST. CHARLES, JEFFERSON

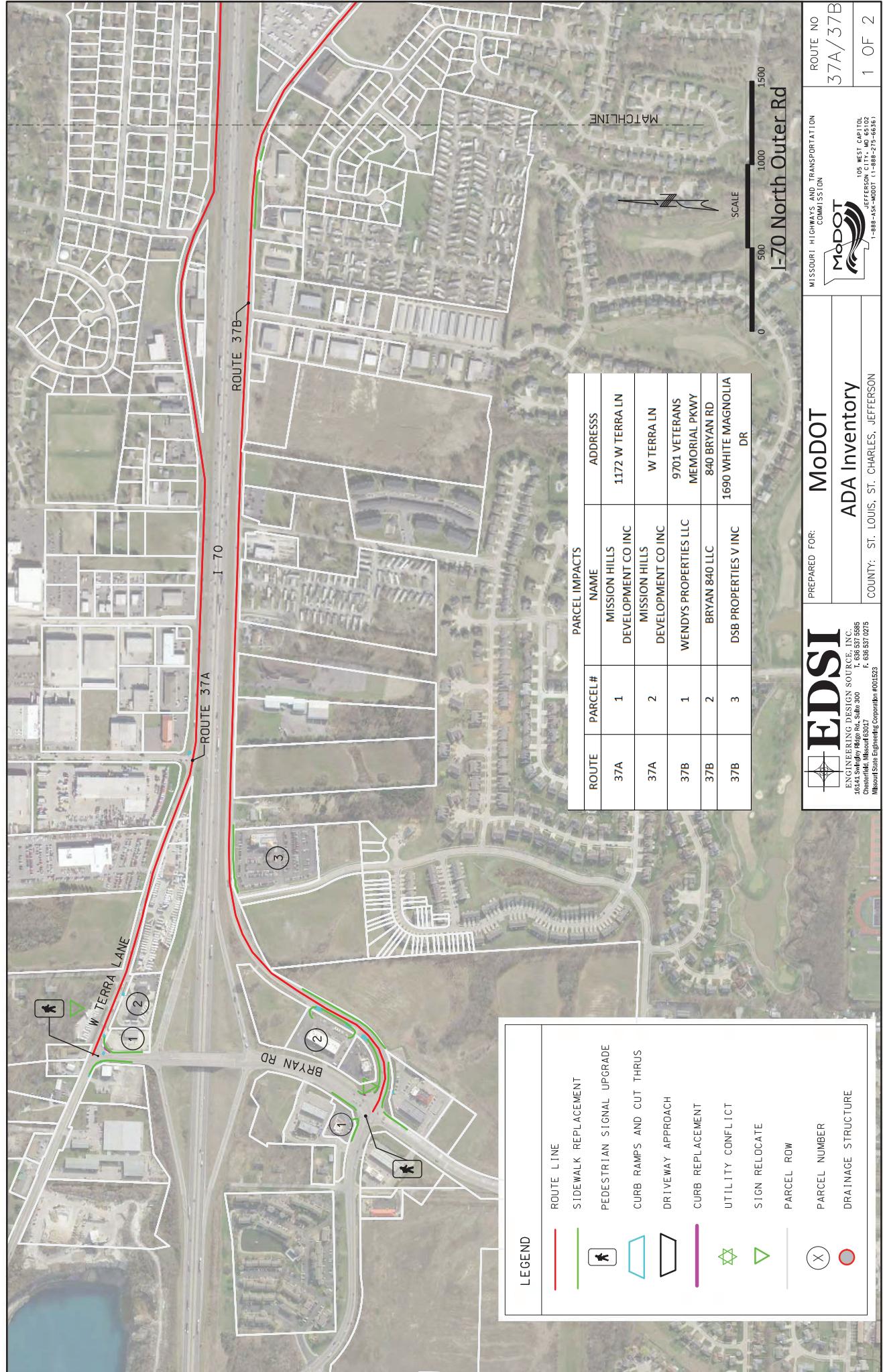
ROUTE NO  
34  
2 OF 2

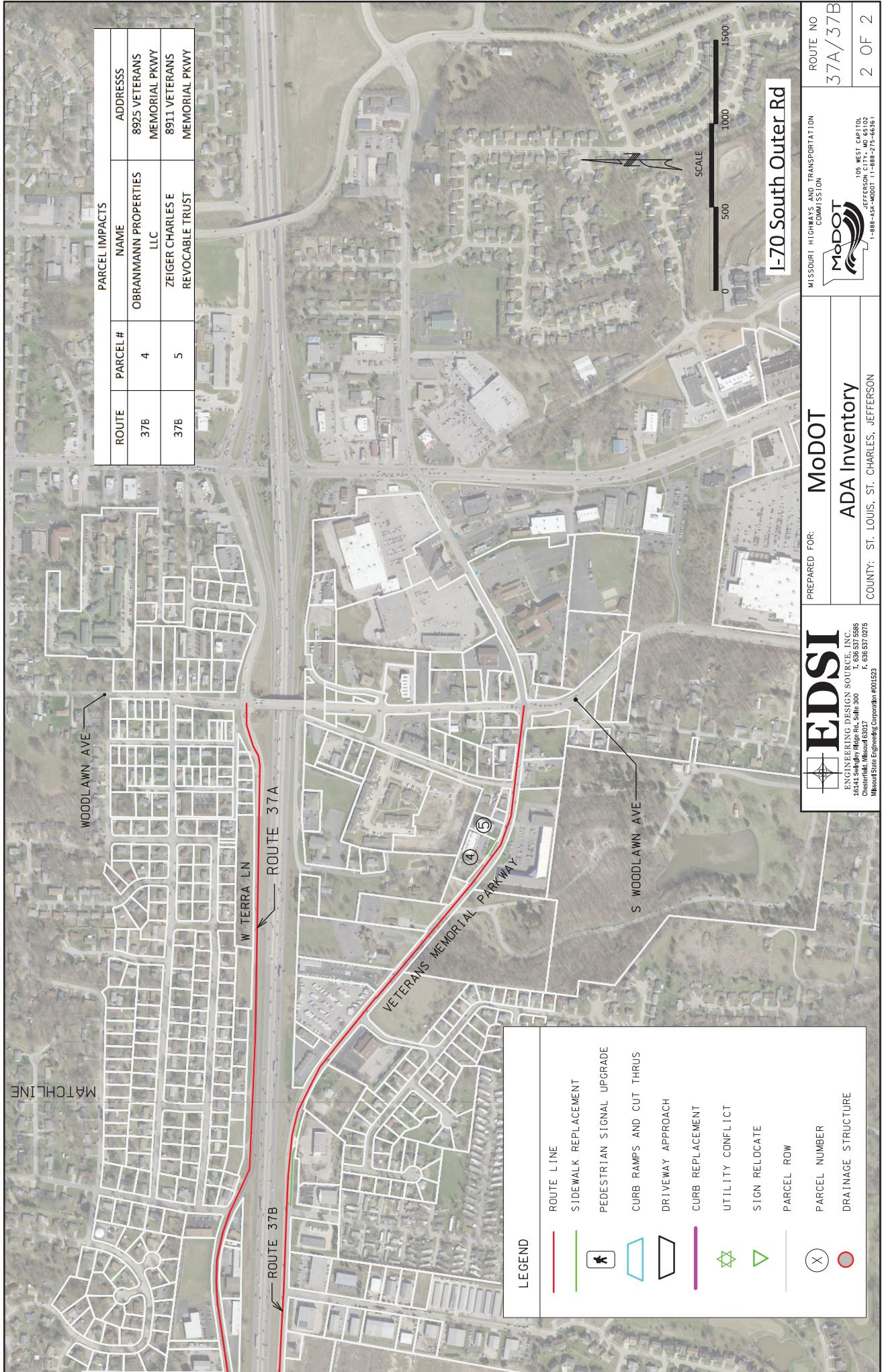
SCALE  
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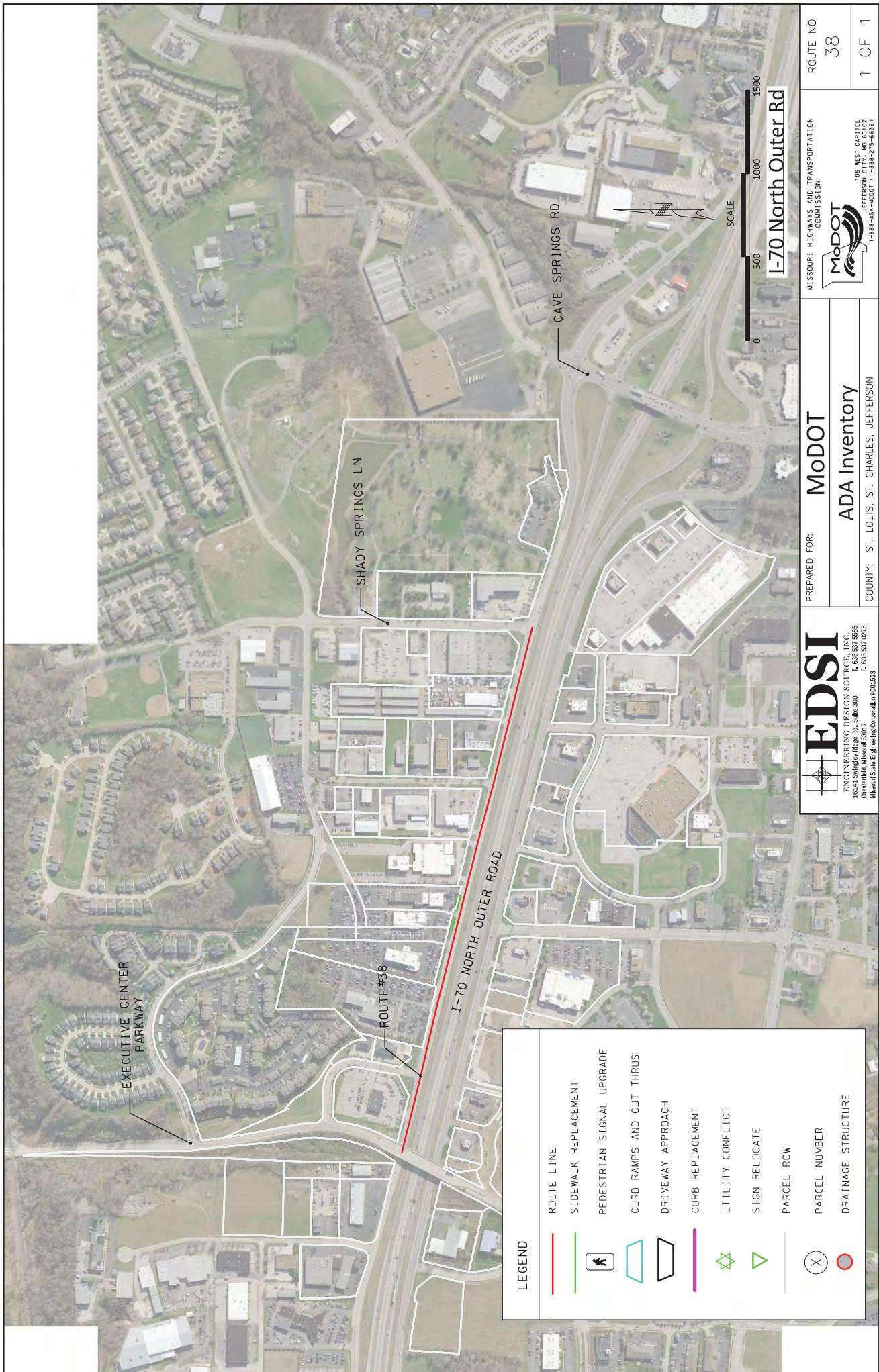
**ModOT**  
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-456-4561  
www.modot.org



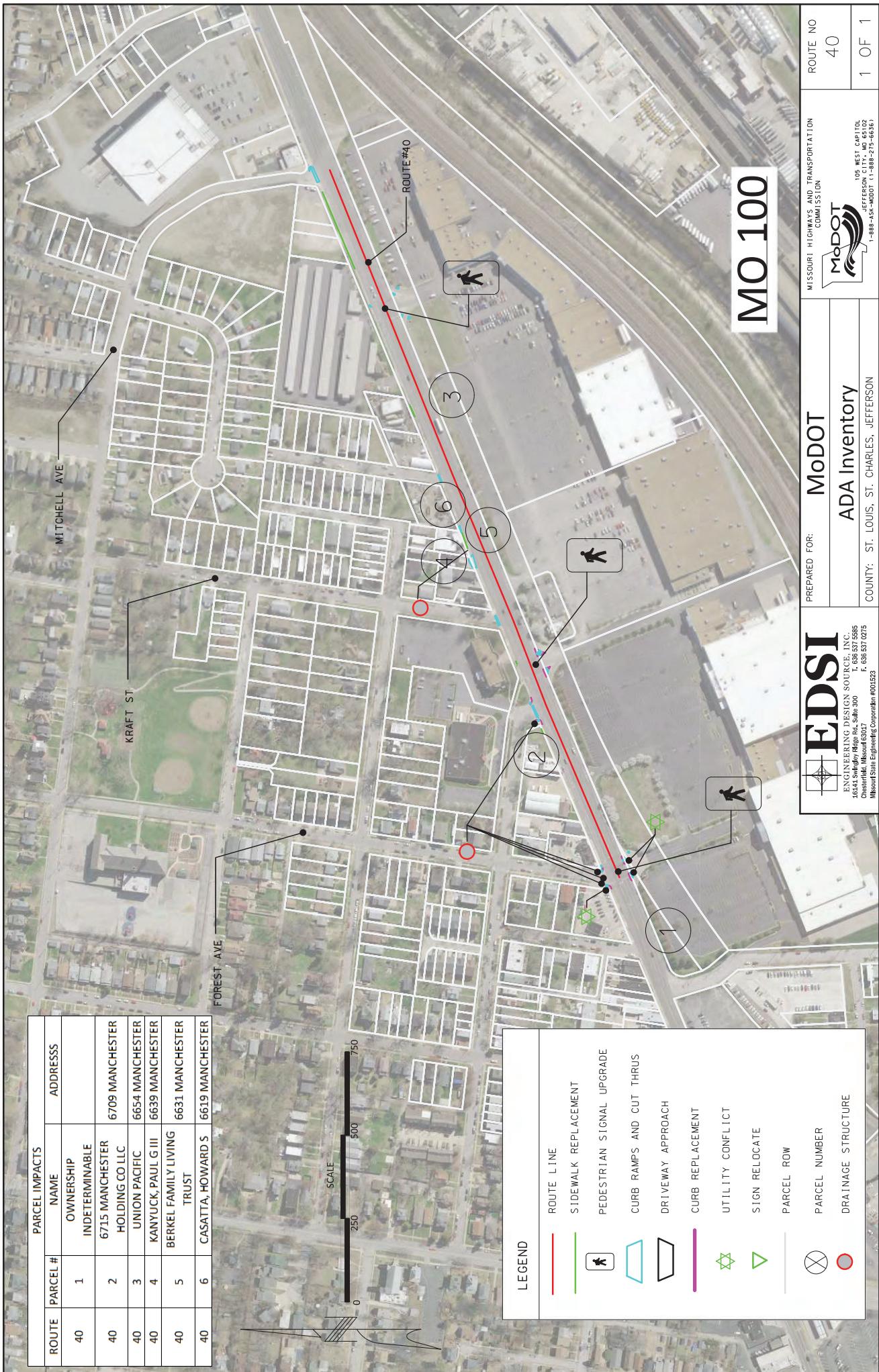


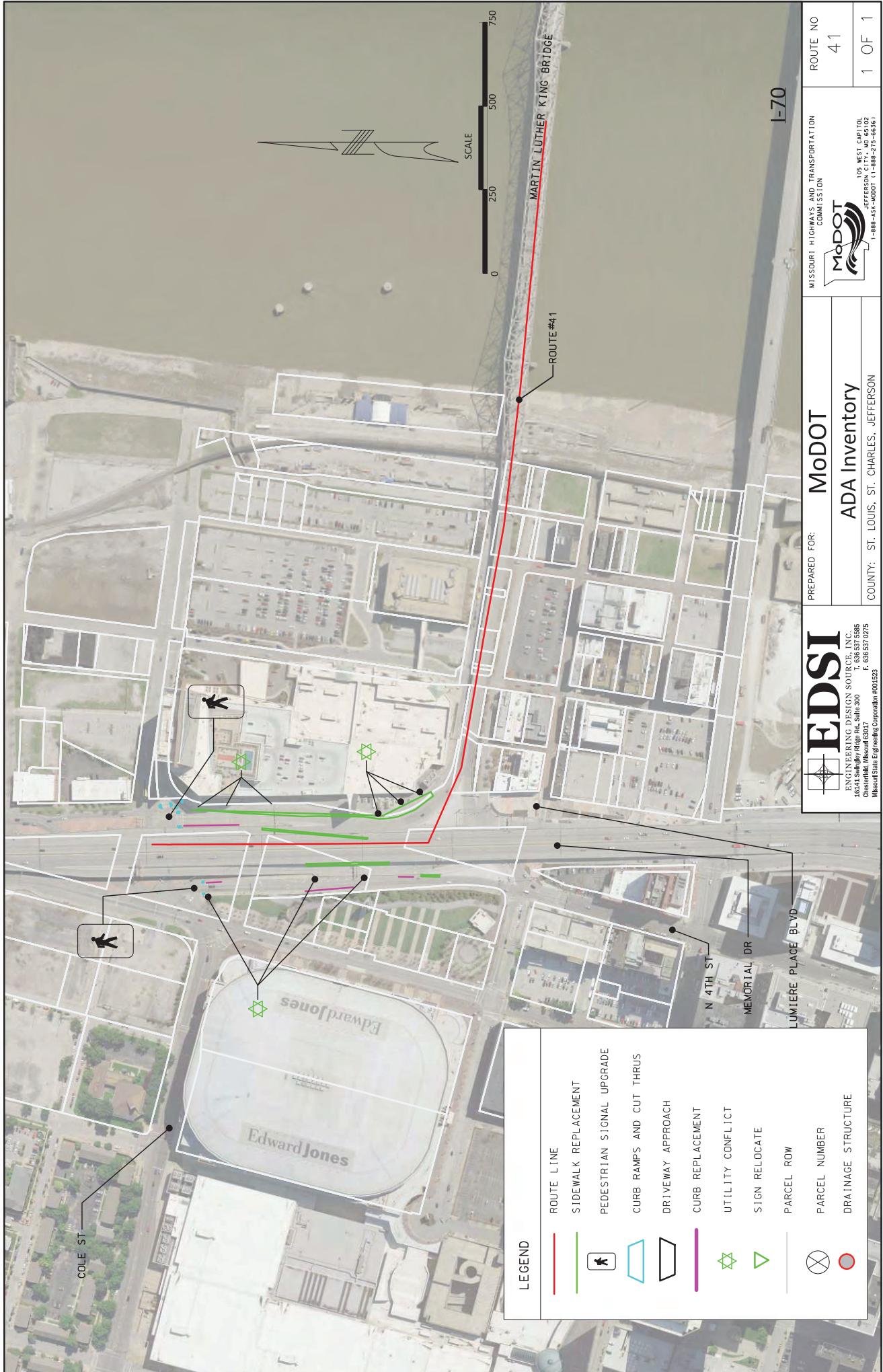














## **E – ITEMIZED DATA**











Route # 5  
Name: Rte F



BEGIN POINT Pacific I-44  
END POINT Jefferson

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRUS	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES							
Item #	Length (LF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA
41	7.34	16	5.88		1			1	7.92			5	1	7	1		
42	3.74	17	34.09					2	16.26			6	1	8	1		
43	141.28	18	41.79					3	10.62			9	1				
44	54.05	19	57.89					4	8.28			10	1				
		20	47.88					45	13.15			11	1				
		21	174.68									12	1				
		22	87.02									13	1				
		23	93.99									14	1				
		24	86.40														
		25	125.65														
		26	68.98														
		27	319.29														
		28	116.42														
		29	55.84														
		30	42.51														
		31	31.64														
		32	24.62														
		33	28.75														
		34	17.57														
		35	33.69														
		36	32.93														
		37	21.98														
		38	23.78		;												
		39	12.97														
TOTALS				LF	EA	SF	EA	LF	EA	SF	EA	LF	EA	EA	EA	EA	EA
				206.41	25	1598.86	0	56.23	0	0.00	1	0	0.00	0	0	2	8

SIDEWALKS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	115.6	\$65.00	\$7,513.35
6086007	Concrete Sidewalk, 7 IN.	SY	4.8	\$85.00	\$409.38
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	120.4	\$6.00	\$722.44
		<b>SUB-TOTAL</b>		<b>\$8,645.17</b>	
CURB RAMPS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	177.0	\$500.00	\$88,825.57
6081012	Truncated Domes	SF	262.5	\$29.00	\$7,612.50
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	177.7	\$6.00	\$1,065.91
		<b>SUB-TOTAL</b>		<b>\$97,503.97</b>	
ISLAND CUT-THRUS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00
		<b>SUB-TOTAL</b>		<b>\$0.00</b>	
PEDESTRIAN SIGNALS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	7	\$900.00	\$6,300.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	5.5	\$38.00	\$209.00
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	7	\$60.00	\$420.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	2.5	\$900.00	\$2,250.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	18	\$13.20	\$237.60
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	340	\$28.80	\$9,792.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	7	\$850.00	\$5,950.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1220	\$1.35	\$1,647.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	1275	\$1.68	\$2,142.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	1.5	\$2,000.00	\$3,000.00
9029100	BASE, CONCRETE	CY	1.75	\$1,670.00	\$2,922.50
9029902	4 FT. PED POST	EA	3	\$700.00	\$2,100.00
		<b>SUB-TOTAL</b>		<b>\$36,970.10</b>	
DRIVEWAY/ENTRANCES					
Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSN)	TON	0	\$132.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00
		<b>SUB-TOTAL</b>		<b>\$0.00</b>	
CURB REPLACEMENTS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	39.4	\$35.00	\$1,377.74
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	16.9	\$20.00	\$337.41
		<b>SUB-TOTAL</b>		<b>\$1,715.15</b>	
SIGN RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00
		<b>SUB-TOTAL</b>		<b>\$0.00</b>	
UTILITY RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00
		<b>SUB-TOTAL</b>		<b>\$0.00</b>	
DRAINAGE RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	2	\$2,500.00	\$5,000.00
		<b>SUB-TOTAL</b>		<b">\$5,000.00</b">	
MISC. RELocations					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$2,500.00	\$0.00
	Intersection crosswalk painting	EA	8	\$750.00	\$6,000.00
		<b>SUB-TOTAL</b>		<b>\$6,000.00</b>	

Items 7-14 are cross walk painting

Route #: 6  
Name: MO 115

BEGIN POINT I-70  
END POINT I-170

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRUS	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES									
Item #	Length (LF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA
29	516.01	9	23.36		8	1			1	11.98				6	1				
30	424.66	10	40.62						2	13.58				7	1				
31	205.28	11	20.30						3	14.13									
32	140.15	12	24.12						4	9.13									
		13	16.79						5	12.07									
		14	17.26						33	29.39									
		15	19.47																
		16	17.58																
		17	29.94																
		18	63.84																
		19	27.81																
		20	56.11																
		21	9.31																
		22	11.42																
		23	22.78																
		24	15.39																
		25	266.63																
		26	383.92																
		27	181.28																
		28	89.74																
	LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA
TOTALS	1286.10	20	1337.68	0	0.00	1	0	0.00	6	90.27	0	0	2	0					

#### SIDEWALKS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	720.2	\$65.00	\$46,814.22
6086007	Concrete Sidewalk, 7 IN.	SY	30.0	\$85.00	\$2,550.77
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	750.2	\$6.00	\$4,501.37

#### SUB-TOTAL

\$53,866.36

#### CURB RAMPS

Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	148.6	\$500.00	\$74,315.39
6081012	Truncated Domes	SF	210.0	\$29.00	\$6,090.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	148.6	\$6.00	\$891.78

#### SUB-TOTAL

\$81,297.18

#### ISLAND CUT-THRUS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

#### SUB-TOTAL

\$0.00

#### PEDESTRIAN SIGNALS

Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	7	\$900.00	\$6,300.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	5.5	\$38.00	\$209.00
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	7	\$60.00	\$420.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	2.5	\$900.00	\$2,250.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	18	\$13.20	\$237.60
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	340	\$28.80	\$9,792.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	7	\$850.00	\$5,950.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1220	\$1.35	\$1,647.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	1275	\$1.68	\$2,142.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	1.5	\$2,000.00	\$3,000.00
9029100	BASE, CONCRETE	CY	1.75	\$1,670.00	\$2,922.50
9029902	4 FT. PED POST	EA	3	\$700.00	\$2,100.00

#### SUB-TOTAL

\$36,970.10

#### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix. PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix. PG76-22 (SP95BSn)	TON	0	\$132.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00

#### SUB-TOTAL

\$0.00

#### CURB REPLACEMENTS

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	63.2	\$35.00	\$2,211.54
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	27.1	\$20.00	\$541.60

#### SUB-TOTAL

\$2,753.14

#### SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

#### SUB-TOTAL

\$0.00

#### UTILITY RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

#### SUB-TOTAL

\$0.00

#### DRAINAGE RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	2	\$2,500.00	\$5,000.00

#### SUB-TOTAL

\$5,000.00

#### MISC. RELocations

Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$2,500.00	\$0.00

#### SUB-TOTAL

\$0.00



Route #: 8  
Name: RTE EE



BEGIN POINT St. Chs Rock Rd  
END POINT I-70 Outer Rd

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRUS	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES									
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA
209	103.06	165	155.59	69		3		21.13						46	1				
		166	132.03	70										47	1				
		167	19.27		71									48	1	Items 46-60 are cross walk paint needed			
		168	28.59		72									49	1				
		169	11.07		73									50	1				
		170	14.59		74									51	1				
		171	25.03		75									52	1				
		172	21.71		76									53	1				
		173	20.40		77									54	1				
		174	7.09											55	1				
		175	10.58											56	1				
		176	42.67											57	1				
		177	43.11											58	1				
		178	31.61											59	1				
		179	27.64											60	1				
		180	22.23																
		181	43.33																
		182	26.92																
		183	27.87																
		184	15.34																
		185	33.78																
		186	42.79																
		187	45.36																
		188	58.62																
		189	17.17																
		190	26.73																
		191	25.31																
		192	17.27																
		193	28.88																
		194	50.08																
		195	9.93																
		196	28.12																
		197	28.19																
		198	21.94																

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA
TOTALS	103.06	199	873.22	2	287.62	2	0	0.00	1	21.13	0	0	15

SIDEWALKS				
Pay Item	Description	Units	QTY	Unit cost
6086004	Concrete Sidewalk, 4 IN.	SY	57.7	\$65.00
6086007	Concrete Sidewalk, 7 IN.	SY	2.4	\$85.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	60.1	\$360.71

PARCEL IMPACTS				
Sub-Total + Contingency	Cost (20%)	\$246,120		
Removal of Improvements (10%)		\$24,620		
Traffic Control (10%)		\$24,620		
Engineering Cost (12%)		\$35,450		
TCE Commercial Total:		\$29,540		

PSWE Commercial	RTE EE	Route #: 8
PSWE Commercial Total:	\$360,350	

CURB RAMPS				
Pay Item	Description	Units	QTY	Unit cost
6081010	Concrete Curb Ramp	SY	97.0	\$500.00
6081012	Truncated Domes	SF	2,089.5	\$29.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	97.0	\$6.00

TCE Residential
TCE Residential Total: 0

ISLAND CUT-THRUS				
Pay Item	Description	Units	QTY	Unit cost
6086007	Concrete Sidewalk, 7 IN.	SY	32.0	\$85.00
6081000	Concrete Median	SY	12.8	\$70.00
6081012	Truncated Domes	SF	50.0	\$29.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	32.0	\$191.75

SUB-TOTAL	\$5,252.98
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PEDESTRIAN SIGNALS				
Pay Item	Description	Units	QTY	Unit cost
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	14	\$900.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	SF	0.0	\$38.00
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	14	\$60.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	5	\$900.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	36	\$13.20
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	680	\$28.80
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	14	\$850.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	2440	\$1.35
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	2550	\$1.68
9028811	PULL BOX, PREFORMED CLASS 2	EA	3	\$2,000.00
9029100	BASE, CONCRETE	CY	3.5	\$1,670.00
9029902	4 FT. PED POST	EA	6	\$700.00

SUB-TOTAL	\$73,940.20
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DRIVEWAY/ENTRANCES				
Pay Item	Description	Units	QTY	Unit cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	0	\$92.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00
4030009	Bituminous Pavement Mix, PG76-22 (SP95B5N)	TON	0	\$132.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00

SUB-TOTAL	\$0.00
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CURB REPLACEMENTS				
Pay Item	Description	Units	QTY	Unit cost
6091052	Curb & Gutter, Type B	LF	14.8	\$35.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	6.3	\$20.00

SUB-TOTAL	\$644.47
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SIGN RELocations				
Pay Item	Description	Units	QTY	Unit cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00
9031220	Pipe Post	LBS	0.0	\$6.00
9031010	Concrete Footing	CY	0.0	\$1,750.00

SUB-TOTAL	\$0.00
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UTILITY RELOCATIONS				
Pay Item	Description	Units	QTY	Unit cost
	Utility Relocation	EA	0	\$15,000.00

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Drainage Relocation	EA	0	\$2,500.00	\$0.00
		<b>SUB-TOTAL</b>		<b>\$0.00</b>

<b>MISC. RELOCATIONS</b>				
Pay Item	Description	Units	QTY	Unit cost
		EA	0	\$7,500.00
Misc. Relocation	Intersection crosswalk painting	EA	15	\$750.00
				\$11,250.00
			<b>SUB-TOTAL</b>	<b>\$11,250.00</b>

Route #: 9  
Name: I-70

BEGIN POINT Entire route  
END POINT North area

SIDEWALK												CURB RAMPS		ISLAND/CUT-THRUS		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES	
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA								
55	14.33	28	365.71			24				1	7.49							3	1	4	1		3-trip hazard								
56	16.55	29	42.69			25	1			2	7.42									5	1										
57	18.39	30	45.43			26														6	1										
58	19.26	31	13.58			27	2													7	1										
59	30.09	32	37.70																	8	1										
60	115.02	33	48.89																	9	1										
61	56.02	34	24.94																	10	1										
		35	7.32																	11	1										
		36	12.50																	12	1										
		37	27.46																	13	1										
		38	41.11																	14	1										
		39	68.65																	15	1										
		40	77.39																	16	1										
		41	74.43																	17	1										
		42	106.74																	18	1										
		43	110.01																	19	1										
		44	98.46																	20	1										
		45	65.87																	21	1										
		46	129.36																	22	1										
		47	107.93																	23	1										
		48	34.18																												
		49	36.11																												
		50	78.73																												
		51	30.37																												
		52	24.96																												
		53	60.83																												
		54	53.97																												
SIDEWALK		No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE		MISC.																
TOTALS		LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA								
269.67	27	1825.32	0	0.00		2	1	0.00	2	14.91	0	0	0	0	0	0	1	20													

SIDEWALKS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6086004	Concrete Sidewalk, 4 IN.	SY	151.0	\$65.00	\$9,815.87	
6086007	Concrete Sidewalk, 7 IN.	SY	6.3	\$85.00	\$534.84	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	157.3	\$6.00	\$943.83	
<b>SUB-TOTAL</b>				<b>\$11,294.54</b>		

CURB RAMPS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6081010	Concrete Curb Ramp	SY	202.8	\$500.00	\$101,406.76	
6081012	Truncated Domes	SF	283.5	\$29.00	\$8,221.50	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	202.8	\$6.00	\$1,216.88	
<b>SUB-TOTAL</b>				<b>\$110,845.14</b>		

ISLAND CUT-THRUS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00	
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00	
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00	
<b>SUB-TOTAL</b>				<b">\$0.00</b">		

PEDESTRIAN SIGNALS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	14	\$900.00	\$12,600.00	
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	11	\$38.00	\$418.00	
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	14	\$60.00	\$840.00	
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	5	\$900.00	\$4,500.00	
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	36	\$13.20	\$475.20	
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	680	\$28.80	\$19,584.00	
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	14	\$850.00	\$11,900.00	
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	2440	\$1.35	\$3,294.00	
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	2550	\$1.68	\$4,284.00	
9028811	PULL BOX, PREFORMED CLASS 2	EA	3	\$2,000.00	\$6,000.00	
9029100	BASE, CONCRETE	CY	3.5	\$1,670.00	\$5,845.00	
9029902	4 FT. PED POST	EA	6	\$700.00	\$4,200.00	
<b>SUB-TOTAL</b>				<b">\$73,940.20</b">		

DRIVEWAY/ENTRANCES						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00	
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	0	\$92.00	\$0.00	
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00	
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSN)	TON	0	\$132.00	\$0.00	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00	
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	35	\$20.00	\$700.00	
<b>SUB-TOTAL</b>				<b">\$700.00</b">		

CURB REPLACEMENTS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6091052	Curb & Gutter, Type B	LF	10.4	\$35.00	\$365.30	
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	4.5	\$20.00	\$89.46	
<b>SUB-TOTAL</b>				<b">\$454.76</b">		

SIGN RELOCATIONS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00	
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00	
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00	
<b>SUB-TOTAL</b>				<b>\$0.00</b>		

UTILITY RELOCATIONS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
	Utility Relocation	EA	0	\$15,000.00	\$0.00	
<b>SUB-TOTAL</b>				<b>\$0.00</b>		

DRAINAGE RELocations						
Pay Item	Description	Units	QTY	Unit cost	Cost	



BEGIN POINT Entire route  
END POINT North of I-270

### Items 3-7 Cross walk paint needed

SIDEWALKS						PARCEL IMPACTS			
Pay Item	Description	Units	QTY	Unit cost	Cost	TCE Commercial		Sub-Total + Contingency Cost (20%)	
6086004	Concrete Sidewalk, 4 IN.	SY	36.4	\$65.00	\$2,364.81	1	C TCE	\$23.06	
6086007	Concrete Sidewalk, 7 IN.	SY	1.5	\$85.00	\$128.85	2	C TCE	\$23.06	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	37.9	\$6.00	\$227.39	3	C TCE	\$27.61	
SUB-TOTAL						Construction Administration Cost (10%)			
\$2,721.05						\$33.740			
CURB RAMPS						MO 367EOR Route #: 11			
Pay Item	Description	Units	QTY	Unit cost	Cost	Total Cost Estimate:			
6081010	Concrete Curb Ramp	SY	60.8	\$500.00	\$30,391.42	\$337,640			
6081012	Truncated Domes	SF	168.0	\$29.00	\$4,872.00				
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	60.8	\$6.00	\$364.70				
SUB-TOTAL									
\$35,628.11									
ISLAND CUT-THRU'S						TCE Residential			
Pay Item	Description	Units	QTY	Unit cost	Cost	TCE Residential Total: 0			
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00				
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00				
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00				
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00				
SUB-TOTAL									
\$0.00						PSWE Residential			
PEDESTRIAN SIGNALS						PSWE Residential Total: 0			
Pay Item	Description	Units	QTY	Unit cost	Cost				
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	28	\$900.00	\$25,200.00				
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	22	\$38.00	\$836.00				
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	28	\$60.00	\$1,680.00				
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	10	\$900.00	\$9,000.00				
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	72	\$13.20	\$950.40				
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	1360	\$28.80	\$39,168.00				
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	28	\$850.00	\$23,800.00				
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	4880	\$1.35	\$6,588.00				
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	5100	\$1.68	\$8,568.00				
9028811	PULL BOX, PREFORMED CLASS 2	EA	6	\$2,000.00	\$12,000.00				
9029100	BASE, CONCRETE	CY	7	\$1,670.00	\$11,690.00				
9029902	4 FT. PED POST	EA	12	\$700.00	\$8,400.00				
SUB-TOTAL						\$147,880.40			
DRIVEWAY/ENTRANCES						DRIVEWAY/ENTRANCES			
Pay Item	Description	Units	QTY	Unit cost	Cost	DRIVEWAY/ENTRANCES Total: 0			
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00				
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	0	\$92.00	\$0.00				
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00				
4030009	Bituminous Pavement Mix, PG76-22 (SP95B5N)	TON	0	\$132.00	\$0.00				
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00				
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00				
SUB-TOTAL						\$0.00			
CURB REPLACEMENTS						CURB REPLACEMENTS			
Pay Item	Description	Units	QTY	Unit cost	Cost	CURB REPLACEMENTS Total: 0			
6091052	Curb & Gutter, Type B	LF	50.3	\$35.00	\$1,761.59				
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	21.6	\$20.00	\$431.41				
SUB-TOTAL						\$2,193.00			
SIGN RELOCATIONS						SIGN RELOCATIONS			
Pay Item	Description	Units	QTY	Unit cost	Cost	SIGN RELOCATIONS Total: 0			
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00				
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00				
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00				
SUB-TOTAL						\$0.00			
UTILITY RELOCATIONS						UTILITY RELOCATIONS			
Pay Item	Description	Units	QTY	Unit cost	Cost	UTILITY RELOCATIONS Total: 0			
	Utility Relocation	EA	0	\$15,000.00	\$0.00				
SUB-TOTAL						\$0.00			
DRAINAGE RELOCATIONS						DRAINAGE RELOCATIONS			
Pay Item	Description	Units	QTY	Unit cost	Cost	DRAINAGE RELOCATIONS Total: 0			
	Drainage Relocation	EA	0	\$2,500.00	\$0.00				
SUB-TOTAL						\$0.00			
MISC. RELOCATIONS						MISC. RELOCATIONS			
Pay Item	Description	Units	QTY	Unit cost	Cost	MISC. RELOCATIONS Total: 0			
	Misc. Relocation	EA	0	\$7,500.00	\$0.00				
	Intersection crosswalk painting	EA	5	\$750.00	\$3,750.00				
SUB-TOTAL						\$3,750.00			



Route #: 13  
Name: MO 367

BEGIN POINT Chambers  
END POINT Goodfellow

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRUS	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES									
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA
				5		1										1	1		Crosswalk paint needed
				6												2	1		Crosswalk paint needed
				7												3	1		Crosswalk paint needed
																4	1		Crosswalk paint needed

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA
TOTALS	0.00	0	0.00	0	0.00	1	0	0.00	0	0	0	0	4

#### SIDEWALKS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	0.0	\$65.00	\$0.00
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

#### SUB-TOTAL

\$0.00

#### CURB RAMPS

Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	0.0	\$500.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

#### SUB-TOTAL

\$0.00

#### ISLAND CUT-THRUS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

#### SUB-TOTAL

\$0.00

#### PEDESTRIAN SIGNALS

Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	7	\$900.00	\$6,300.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	5.5	\$38.00	\$209.00
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	7	\$60.00	\$420.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	2.5	\$900.00	\$2,250.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	18	\$13.20	\$237.60
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	340	\$28.80	\$9,792.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	7	\$850.00	\$5,950.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1220	\$1.35	\$1,647.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	1275	\$1.68	\$2,142.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	1.5	\$2,000.00	\$3,000.00
9029100	BASE, CONCRETE	CY	1.75	\$1,670.00	\$2,922.50
9029902	4 FT. PED POST	EA	3	\$700.00	\$2,100.00

#### SUB-TOTAL

\$36,970.10

#### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSN)	TON	0	\$132.00	\$0.00
4040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00

#### SUB-TOTAL

\$0.00

#### CURB REPLACEMENTS

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00

#### SUB-TOTAL

\$0.00

#### SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

#### SUB-TOTAL

\$0.00

#### UTILITY RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

#### SUB-TOTAL

\$0.00

#### DRAINAGE RELocations

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

#### SUB-TOTAL

\$0.00

#### MISC. RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$7,500.00	\$0.00
	Intersection crosswalk paint	EA	4	\$750.00	\$3,000.00

#### SUB-TOTAL

\$3,000.00

Sub-Total + Contingency Cost (20%) \$47,970

Removal of Improvements (10%) \$4,800

Traffic Control (10%) \$4,800

Engineering Cost (12%) \$6,910

Construction Administration Cost (10%) \$5,760

**TCE Commercial Total: 0**

**PSWE Commercial Total: 0**

**TCE Residential Total: 0**

**PSWE Residential Total: 0**

**MO 367 Route #: 13**

**Total Cost Estimate: \$70,240**

ROUTE #: 14  
Name: MO 367



BEGIN POINT Jennings Station  
END POINT Riverview

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRUS	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES									
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA
8	139.84	7	12.69			5	1									1	1		Crosswalks needed
						6										2	1		Crosswalks needed
																3	1		Crosswalks needed
																4	1		Crosswalks needed

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
	LF	EA	SF	EA	SF	EA	EA	SF	EA	EA	EA	EA	EA
TOTALS	139.84	1	12.69		0.00	1	0	0.00	0	0	0	0	4

#### SIDEWALKS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	78.3	\$65.00	\$5,090.18
6086007	Concrete Sidewalk, 7 IN.	SY	3.3	\$85.00	\$277.35
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	81.6	\$6.00	\$489.44

**SUB-TOTAL** \$5,856.97

#### PARCEL IMPACTS

Sub-Total + Contingency Cost (20%)	\$56,220
Removal of Improvements (10%)	\$5,630
Traffic Control (10%)	\$5,630
Engineering Cost (12%)	\$8,100
Construction Administration Cost (10%)	\$6,750

**MO 367 ROUTE #: 14**

**Total Cost Estimate: \$82,330**

#### CURB RAMPS

Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	1.4	\$500.00	\$705.00
6081012	Truncated Domes	SF	10.5	\$29.00	\$304.50
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	1.4	\$6.00	\$8.46

**SUB-TOTAL** \$1,017.96

#### ISLAND CUT-THRUS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

**SUB-TOTAL** \$0.00

#### PEDESTRIAN SIGNALS

Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	7	\$900.00	\$6,300.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	5.5	\$38.00	\$209.00
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	7	\$60.00	\$420.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	2.5	\$900.00	\$2,250.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	18	\$13.20	\$237.60
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	340	\$28.80	\$9,792.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	7	\$850.00	\$5,950.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1220	\$1.35	\$1,647.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	1275	\$1.68	\$2,142.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	1.5	\$2,000.00	\$3,000.00
9029100	BASE, CONCRETE	CY	1.75	\$1,670.00	\$2,922.50
9029902	4 FT. PED POST	EA	3	\$700.00	\$2,100.00

**SUB-TOTAL** \$36,970.10

#### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSM)	TON	0	\$132.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00

**SUB-TOTAL** \$0.00

#### CURB REPLACEMENTS

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00

**SUB-TOTAL** \$0.00

#### SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

**SUB-TOTAL** \$0.00

#### UTILITY RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

**SUB-TOTAL** \$0.00

#### DRAINAGE RELocations

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

**SUB-TOTAL** \$0.00

#### MISC. RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$7,500.00	\$0.00
	Intersection crosswalk painting	EA	4	\$750.00	\$3,000.00

**SUB-TOTAL** \$3,000.00

BEGIN POINT I-170  
END POINT Skinker

SIDEWALK		CURB RAMPS		ISLAND/CUT-THRUS		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES		
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	
78	131.81	64	46.34			45				1	18.44									84	1	Fire hydrant in walkway
79	36.27	65	35.17			46				2	19.96									85	1	Fire hydrant in walkway
80	8.86	66	28.87			47														86	1	Utility pole in sidewalk
81	53.12	67	31.10			48													87	1	Utility pole in sidewalk	
82	6.35	68	31.55			49													88	1	Utility pole in sidewalk	
83	337.23	69	12.46			50													89	1	Utility pole in sidewalk	
	70		10.08			51													90	1	Utility pole in sidewalk	
	71		11.69			52	2												3	1		
	72		53.15			53													4	1		
	73		15.33			54													5	1		
	74		19.34			55													6	1		
	75		28.44			56	4												7	1		
	76		12.87			57													8	1		
	77		24.70			58													9	1		
						59	6												10	1		
						60													11	1		
						61													12	1		
						62													13	1		
						63													14	1		
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																			41	1		
																			42	1		
																			43	1		
																			44	1		

3-44 Interchange crosswalk paint needed

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA
TOTALS	573.64	14	361.09	0	0.00	7	0	0.00	2	38.4	0	0	49

#### SIDEWALKS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	321.2	\$65.00	\$20,880.60
6086007	Concrete Sidewalk, 7 IN.	SY	13.4	\$85.00	\$1,137.73
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	334.6	\$6.00	\$2,007.75

SUB-TOTAL \$24,026.08

#### CURB RAMPS

Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	40.1	\$500.00	\$20,060.37
6081012	Truncated Domes	SF	147.0	\$29.00	\$4,263.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	40.1	\$6.00	\$240.72

SUB-TOTAL \$24,564.10

#### ISLAND CUT-THRUS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0	\$85.00	\$0.00
6081000	Concrete Median	SY	0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0	\$29.00	\$0.00

SUB-TOTAL \$0.00

#### PEDESTRIAN SIGNALS

Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	49	\$900.00	\$44,100.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	38.5	\$38.00	\$1,463.00
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	49	\$60.00	\$2,940.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	17.5	\$900.00	\$15,750.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	126	\$13.20	\$1,663.20
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	2380	\$28.80	\$68,544.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	49	\$850.00	\$41,650.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	8540	\$1.35	\$11,529.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	8925	\$1.68	\$14,994.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	10.5	\$2,000.00	\$21,000.00
9029100	BASE, CONCRETE	CY	12.25	\$1,670.00	\$20,457.50
9029902	4 FT. PED POST	EA	21	\$700.00	\$14,700.00

SUB-TOTAL \$258,790.70

#### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00

SUB-TOTAL \$0.00

#### CURB REPLACEMENTS

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	26.9	\$35.00	\$940.80
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	11.5	\$20.00	\$230.40

SUB-TOTAL \$1,171.20

#### SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

**SUB-TOTAL** \$0.00

**UTILITY RELOCATIONS**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$5,000.00	\$0.00

**SUB-TOTAL** \$0.00

**DRAINAGE RELOCATIONS**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

**SUB-TOTAL** \$0.00

**MISC. RELOCATIONS**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	7	\$2,500.00	\$17,500.00
	Interchange crosswalk paint	EA	42	\$750.00	\$31,500.00

**SUB-TOTAL** \$49,000.00

BEGIN POINT Kehr's Mill  
END POINT Manchester

SIDEWALK                  GUARD RAIL

SIDEWALK	CONT ROW #	LAND/CUT-THRU	PED/PEDESTRIAN SIGN	DRIVEWAY	AREA REQUESTED	CONDENSED DOCUMENT	DRIVEWAY RELOCATIONS	ITEM LOCATION	DRAINAGE RELOCATION	MISC ALLOCATION	MISC.	NOTES	
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA		
54	35.45	27	121.25	16	130.78	22	1	2	747.71	1	23.21	118	
55	41.61	28	80.16	17	124.41	23	2	3	527.03	1		119	
56	70.04	29	42.83	18	62.22	24	3	4	549.36	1		120	
57	10.46	30	14.23	19	100.87	25	5	984.44		1		121	
58	25.28	31	41.70	20	190.80	26	4	6	577.65			122	
59	31.37	32	157.60	21	127.60		7		713.72				
60	35.22	33	57.92				8		1,121.91				
61	13.75	34	40.59				9		955.21				
62	10.60	35	49.89				10		1,145.43				
63	20.46	36	131.80				11		691.38				
64	89.60	37	95.12				12		1,242.19				
65	141.36	38	52.92				13		1,103.15				
66	534.66	39	91.81				14		349.19				
67	331.50	40	116.00				15		1,097.55				
68	234.39	41	51.52										
69	540.34	42	67.13										
70	271.86	43	151.42										
71	33.84	44	89.90										
72	197.48	45	29.39										
73	384.84	46	186.15										
74	306.04	47	181.85										
75	346.67	48	83.08										
76	40.59	49	80.28										
77	82.76	50	37.07										
78	34.84	51	149.41										
79	143.90	52	110.22									79- CIP Wall needs relocating	
80	36.75	53	90.56										
81	85.50												
82	35.58												
83	202.70												
84	50.51												
85	41.12												
86	86.18												
87	16.03												
88	37.23												
89	34.21												
90	141.37												
91	20.05												
92	81.96												
93	28.92												
94	29.51												
95	43.86												
96	139.62												
97	21.46												
98	186.93										1	98- CIP Wall needs relocating	
99	185.72												
100	56.71												
101	21.94												
102	34.18												
103	119.77												
104	31.92												
105	52.62												
106	41.62												
107	53.06												
108	36.97												
109	41.81												
110	42.49												
111	46.59												
112	64.13												
113	59.38												
114	29.41												
115	49.88												
116	10.38												
117	7.15												
TOTALS	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
	LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA
	6314.10	27	2401.78	6	736.67	4	14	11.805.92	1	23.21	5	0	1

SIDEWALKS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	3,535.9	\$65.00	\$229,833.9
6086007	Concrete Sidewalk, 7 IN.	SY	147.3	\$85.00	\$12,522.9
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	3,683.2	\$66.00	\$22,099.3
<b>SUB-TOTAL</b>					<b>\$264,455.7</b>

PARCEL IMPACTS				Sub-Total + Contingency Cost (20%)	\$988,740
TCE Commercial				Removal of Improvements (10%)	\$98,880
Parcel #	Com-Res	Type	Area (SF)	Traffic Control (10%)	\$98,880
1	C	TCE	3193.06	Engineering Cost (12%)	\$142,380
2	C	TCE	1141.83	Construction Administration Cost (10%)	\$118,650
3	C	TCE	2934.4		
4	C	TCE	748.44		

CURB RAMPS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	266.9	\$500.00	\$133,432.50
6081012	Truncated Domes	SF	283.5	\$29.00	\$8,221.50
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	266.9	\$6.00	\$1,601.14
<b>SUB-TOTAL</b>					<b>\$143,254.84</b>

6	C	TCE	1902.56
7	C	TCE	614.92
8	C	TCE	1142.31
10	C	TCE	1339.44
11	C	TCE	475.44
12	C	TCE	902.61
13	C	TCE	340
14	C	TCE	1340.26
15	C	TCE	269.38
16	C	TCE	351.89
17	C	TCE	160.72

ISLAND CUT-THRUS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	81.9	\$85.00	\$6,957.40
6081000	Concrete Median	SY	32.7	\$70.00	\$2,291.80
6081012	Truncated Domes	SF	150.0	\$29.00	\$4,350.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	81.9	\$6.00	\$491.10

ICE Commercial Total: 16,857.26

SUB-TOTAL				\$14,090.40	
PEDESTRIAN SIGNALS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	28	\$900.00	\$25,200.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	22	\$38.00	\$836.00
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	28	\$60.00	\$1,680.00

### PSWE Commercial

9022708	POST, SIGNAL 8 FT, OR 2 M	EA	10	\$900.00	\$9,000.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	72	\$13.20	\$950.40
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	1360	\$28.80	\$39,168.00
9042921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	28	\$850.00	\$23,800.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	4880	\$1.35	\$6,588.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	5100	\$1.68	\$8,568.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	6	\$2,000.00	\$12,000.00
9029100	BASE, CONCRETE	CY	7	\$1,670.00	\$11,690.00
9029902	4 FT. PED POST	EA	12	\$700.00	\$8,400.00

2	C	PSWE	2196.44
3	C	PSWE	5980.56
4	C	PSWE	1497.17
5	C	PSWE	6017.38
6	C	PSWE	5624.02
7	C	PSWE	1227
8	C	PSWE	2267.94
10	C	PSWE	2679.35
11	C	PSWE	1126.04
12	C	PSWE	5404.46
13	C	PSWE	1018.29
14	C	PSWE	4128.68
15	C	PSWE	582.01
16	C	PSWE	283.96
17	C	PSWE	189.1

**PSWE Commercial Total:** **46,609.63**

SUB-TOTAL				\$147,880.40	
DRIVEWAY/ENTRANCES					
Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	852.65	\$95.00	\$81,001.75
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	262.354	\$92.00	\$24,136.52
4013000	Bituminous Pavement Mix. PG64-22 (Base)	TON	382.315	\$80.00	\$30,585.20

TCE Residential

DRIVeway/Entrances					
Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	852.65	\$95.00	\$81,001.75
5012311	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	262,354	\$92.00	\$24,136.52
4013000	Bituminous Pavement Mix. PG64-22 (Base)	TON	382,315	\$80.00	\$30,585.20
4030009	Bituminous Pavement Mix. PG76-22 (SP95BSN)	TON	376,412	\$132.00	\$49,686.40

**TCF Residential Total:** **226.98**

403009	Bituminous Pavement Mix, PG76-22 (SP95BSH)	TON	376.412	\$132.00	\$49,686.41		9	R	PSWE	581.94
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	1311.77	\$6.00	\$7,870.62		<b>PSWE Residential Total:</b>			
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	490	\$20.00	\$9,800.00		<b>PSWE Residential Total:</b>			
<b>SUB-TOTAL</b>							<b>\$203,080.55</b>			
<b>CURB REPLACEMENTS</b>										
Pay Item	Description	Units	QTY	Unit cost	Cost					
6091052	Curb & Gutter, Type B	LF	16.2	\$35.00	\$568.65					
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	7.0	\$20.00	\$139.26					
<b>SUB-TOTAL</b>							<b>\$707.91</b>			
<b>SIGN RELOCATIONS</b>										
Pay Item	Description	Units	QTY	Unit cost	Cost					
9035069A	SHF-Flat Sheet Fluorescent	SF	34.7	\$38.00	\$1,316.70					
9031220	Pipe Post	LBS	587.5	\$6.00	\$3,524.70					
9031010	Concrete Footing	CY	0.7	\$1,750.00	\$1,137.50					
<b>SUB-TOTAL</b>							<b">\$5,978.90</b">			
<b>UTILITY RELOCATIONS</b>										
Pay Item	Description	Units	QTY	Unit cost	Cost					
	Utility Relocation	EA	0	\$15,000.00	\$0.00					
<b>SUB-TOTAL</b>							<b">\$0.00</b">			
<b>DRAINAGE RELOCATIONS</b>										
Pay Item	Description	Units	QTY	Unit cost	Cost					
	Drainage Relocation	EA	1	\$2,500.00	\$2,500.00					
<b>SUB-TOTAL</b>							<b">\$2,500.00</b">			
<b>MISC. RELOCATIONS</b>										
Pay Item	Description	Units	QTY	Unit cost	Cost					
	Misc. Relocation	EA	4	\$7,500.00	\$30,000.00					
	Retaining wall relocation	EA	2	Large		Moving the retaining walls will be very large costs and m				
	Interchange crosswalk painting	EA	16	\$750.00	\$12,000.00					
<b>SUB-TOTAL</b>							<b>\$42,000.00</b>			

Route #: 17  
Name: MO 340



BEGIN POINT Monsanto Dr.  
END POINT Warson Rd.

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRUS	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES	
Item #	Length (LF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	EA	Item #	EA
6	412.28	3	85.34					7	1		
		4	36.68					8	1		
		5	10.32							1	1
										2	1
											6'-8' Wide / 1-Crosswalk
											2-Crosswalk

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA
TOTALS	412.28	3	132.35	0.00	0	0	0.00	0	0	2	0	0	2

SIDEWALKS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	351.8	\$65.00	\$22,867.80
6086007	Concrete Sidewalk, 7 IN.	SY	14.7	\$85.00	\$1,246.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	366.5	\$6.00	\$2,198.83

**SUB-TOTAL** **\$26,312.63**

CURB RAMPS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	14.7	\$500.00	\$7,352.72
6081012	Truncated Domes	SF	31.5	\$29.00	\$913.50
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	14.7	\$6.00	\$88.23

**SUB-TOTAL** **\$8,354.46**

ISLAND CUT-THRUS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

**SUB-TOTAL** **\$0.00**

#### PEDESTRIAN SIGNALS

Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	0	\$900.00	\$0.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	0	\$38.00	\$0.00
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	0	\$60.00	\$0.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	0	\$900.00	\$0.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	0	\$13.20	\$0.00
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	0	\$28.80	\$0.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	0	\$850.00	\$0.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	0	\$1.35	\$0.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	0	\$1.68	\$0.00
9028811	PULL BOX PREFORMED CLASS 2	EA	0	\$2,000.00	\$0.00
9029100	BASE, CONCRETE	CY	0	\$1,670.00	\$0.00
9029902	4 FT. PED POST	EA	0	\$700.00	\$0.00

**SUB-TOTAL** **\$0.00**

#### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSN)	TON	0	\$132.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00

**SUB-TOTAL** **\$0.00**

#### CURB REPLACEMENTS

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00

**SUB-TOTAL** **\$0.00**

#### SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	13.9	\$38.00	\$526.68
9031220	Pipe Post	LBS	235.0	\$6.00	\$1,409.88
9031010	Concrete Footing	CY	0.3	\$1,698.00	\$441.48

**SUB-TOTAL** **\$2,378.04**

#### UTILITY RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

**SUB-TOTAL** **\$0.00**

#### DRAINAGE RELocations

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

**SUB-TOTAL** **\$0.00**

#### MISC. RELocations

Pay Item	Description	Units	QTY	Unit cost	Cost
	Cross walk pavement marking	EA	2	\$750.00	\$1,500.00

**SUB-TOTAL** **\$1,500.00**

Route #: 18  
Name: MO 340

BEGIN POINT I-270  
END POINT New Ballas

SIDEWALK										MISC.									
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA						
44	39.27	15	40.62	2	74.52	3				1	16			66	1			63	1
45	1.46	16	57.92			4								67	1			64	1
46	3.40	17	194.46			5												65	1
47	8.31	18	43.20			6													
48	74.64	19	45.52			7													
49	75.62	20	56.10			8													
50	6.40	21	50.83			9													
51	60.27	22	55.85			10													
52	120.65	23	90.13			11													
53	16.15	24	26.75			12													
54	227.66	25	25.23			13													
55	200.61	26	50.49			14													
56	13.68	27	87.61																
57	439.14	28	79.23																
58	44.43	29	17.38																
59	247.78	30	27.47																
60	179.22	31	59.12																
61	64.74	32	61.84																
62	36.66	33	30.33																
		34	49.73																
		35	32.89																
		36	28.60																
		37	83.00																
		38	16.60																
		39	34.31																
		40	31.51																
		41	15.65																
		42	54.65																
		43	63.30																

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.					
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA					
TOTALS	1860.10	29	1510.32		74.52	2		0.00	1	16	0	2	0	3		2	Intersections need cross walk painting	

#### SIDEWALKS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	1,041.7	\$65.00	\$67,707.49
6086007	Concrete Sidewalk, 7 IN.	SY	43.4	\$85.00	\$3,689.19
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	1,085.1	\$6.00	\$6,510.34

**SUB-TOTAL** **\$77,907.01**

#### CURB RAMPS

Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	167.8	\$500.00	\$83,906.88
6081012	Truncated Domes	SF	304.5	\$29.00	\$8,830.50
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	167.8	\$6.00	\$1,006.88

**SUB-TOTAL** **\$93,744.26**

#### ISLAND CUT-THRUS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	8.3	\$85.00	\$703.80
6081000	Concrete Median	SY	3.3	\$70.00	\$231.84
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	8.3	\$6.00	\$49.68

**SUB-TOTAL** **\$985.32**

#### PEDESTRIAN SIGNALS

Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	14	\$900.00	\$12,600.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	11	\$38.00	\$141.80
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	14	\$60.00	\$840.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	5	\$900.00	\$4,500.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	36	\$13.20	\$475.20
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	680	\$28.80	\$19,584.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	14	\$850.00	\$11,900.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	2440	\$1.35	\$3,294.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	2550	\$1.68	\$4,284.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	3	\$2,000.00	\$6,000.00
9029100	BASE, CONCRETE	CY	3.5	\$1,670.00	\$5,845.00
9029902	4 FT. PED POST	EA	6	\$700.00	\$4,200.00

**SUB-TOTAL** **\$73,940.20**

#### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSM)	TON	0	\$132.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00

**SUB-TOTAL** **\$0.00**

#### CURB REPLACEMENTS

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	11.2	\$35.00	\$392.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	4.8	\$20.00	\$96.00

**SUB-TOTAL** **\$488.00**

#### SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SH-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,698.00	\$0.00

**SUB-TOTAL** **\$0.00**

#### MISC. RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

**SUB-TOTAL** **\$0.00**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	2	\$15,000.00	\$30,000.00

**SUB-TOTAL** **\$30,000.00**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

**SUB-TOTAL** **\$0.00**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	2	\$15,000.00	\$30,000.00

**SUB-TOTAL** **\$30,000.00**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	2	\$15,000.00	\$30,000.00

**SUB-TOTAL** **\$30,000.00**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	2	\$15,000.00	\$30,000.00

**SUB-TOTAL** **\$30,000.00**

Pay Item	Description	Units	QTY	Unit cost	Cost
Misc. Relocation		EA	3	\$20,000.00	\$60,000.00
Crosswalk painting		EA	2	\$750.00	\$1,500.00
	<b>SUB-TOTAL</b>				<b>\$61,500.00</b>

Route #: 20  
Name: MO141 WOR

BEGIN POINT Crescent  
END POINT Plainview

SIDEWALK		CURB RAMPS		ISLAND/CUT-THRU'S		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES		
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	
7	242.03	4	60.92					1	369.14											13	1	13-228 LF of MSE Wall Relocation
8	348.97	5	121.61					2	789.54													
9	129.77	6	143.27					3	928.37													
10	140.67																					
11	447.25																					
12	1050.42																					

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA
TOTALS	2359.11	3	325.80	0.00	0	3	2,087.04	0	0	0	0	0	1

SIDEWALKS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6086004	Concrete Sidewalk, 4 IN.	SY	1,321.1	\$65.00	\$85,871.43	
6086007	Concrete Sidewalk, 7 IN.	SY	55.0	\$85.00	\$4,678.89	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	1,376.1	\$6.00	\$8,256.87	
	<b>SUB-TOTAL</b>				<b>\$98,807.19</b>	

PARCEL IMPACTS			
TCE Commercial			
Parcel #	Com-Res	Type	Area (SF)
1	C	TCE	2407.38
2	C	TCE	1480.61
3	C	TCE	748.26
<b>TCE Commercial Total:</b>			<b>4,636.25</b>
<b>MO141 WOR</b>			<b>Route #: 20</b>
<b>Total Cost Estimate:</b>			<b>\$305,540</b>

CURB RAMPS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6081010	Concrete Curb Ramp	SY	36.2	\$500.00	\$18,100.02	
6081012	Truncated Domes	SF	31.5	\$29.00	\$913.50	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	36.2	\$6.00	\$217.20	
	<b>SUB-TOTAL</b>				<b>\$19,230.72</b>	

PSWE Commercial			
1	C	PSWE	4785.16
2	C	PSWE	2993.64
		<b>PSWE Commercial Total:</b>	<b>9,275.32</b>

ISLAND CUT-THRUS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00	
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00	
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00	
	<b>SUB-TOTAL</b>				<b>\$0.00</b>	

TCE Residential			
TCE Residential Total: 0			

PEDESTRIAN SIGNALS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	0	\$900.00	\$0.00	
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	0	\$38.00	\$0.00	
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	0	\$60.00	\$0.00	
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	0	\$900.00	\$0.00	
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	0	\$13.20	\$0.00	
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	0	\$28.80	\$0.00	
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	0	\$850.00	\$0.00	
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	0	\$1.35	\$0.00	
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	0	\$1.68	\$0.00	
9028811	PULL BOX, PREFORMED CLASS 2	EA	0	\$2,000.00	\$0.00	
9029100	BASE, CONCRETE	CY	0	\$1,670.00	\$0.00	
9029902	4 FT. PED POST	EA	0	\$700.00	\$0.00	
	<b>SUB-TOTAL</b>				<b>\$0.00</b>	

DRIVEWAY/ENTRANCES						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6085008	Paved Approach, 8 IN.	SY	150.731	\$95.00	\$14,319.44	
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	150.731	\$92.00	\$13,867.24	
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	67.5854	\$80.00	\$5,406.83	
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSN)	TON	66.5419	\$132.00	\$8,783.53	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	231.894	\$6.00	\$1,391.36	
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	105	\$20.00	\$2,100.00	
	<b>SUB-TOTAL</b>				<b>\$45,868.41</b>	

CURB REPLACEMENTS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00	
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00	
	<b>SUB-TOTAL</b>				<b>\$0.00</b>	

SIGN RELOCATIONS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00	
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00	
9031010	Concrete Footing	CY	0.0	\$1,698.00	\$0.00	
	<b>SUB-TOTAL</b>				<b>\$0.00</b>	

UTILITY RELOCATIONS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
	<b>Utility Relocation</b>	EA	0	\$15,000.00	\$0.00	
	<b>SUB-TOTAL</b>				<b>\$0.00</b>	

DRAINAGE RELocations						
Pay Item	Description	Units	QTY	Unit cost	Cost	
	<b>Drainage Relocation</b>	EA	0	\$2,500.00	\$0.00	
	<b>SUB-TOTAL</b>				<b>\$0.00</b>	

MISC. RELOCATIONS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
	<b>Misc. Relocation</b>	EA	1	\$10,000.00	\$10,000.00	
	<b>SUB-TOTAL</b>				<b>\$10,000.00</b>	

BEGIN POINT Around  
END POINT Round-a-bout

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRUS	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES									
Item #	Length (LF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA
5	244.20	1	82.31																
		2	51.14																
		3	50.59																
		4	50.96																

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
	LF	EA	SF	EA	SF	EA	EA	SF	EA	EA	EA	EA	EA
TOTALS	244.20	4	235.00		0.00	0		0.00	0	0	0	0	0

#### SIDEWALKS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	136.8	\$65.00	\$8,888.85
6086007	Concrete Sidewalk, 7 IN.	SY	5.7	\$85.00	\$484.33
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	142.4	\$6.00	\$854.70

SUB-TOTAL \$10,227.88

#### CURB RAMPS

Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	26.1	\$500.00	\$13,055.62
6081012	Truncated Domes	SF	42.0	\$29.00	\$1,218.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	26.1	\$6.00	\$156.67

SUB-TOTAL \$14,430.29

#### ISLAND CUT-THRUS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

SUB-TOTAL \$0.00

#### PEDESTRIAN SIGNALS

Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	0	\$900.00	\$0.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	0	\$38.00	\$0.00
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	0	\$60.00	\$0.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	0	\$900.00	\$0.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	0	\$13.20	\$0.00
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	0	\$28.80	\$0.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	0	\$850.00	\$0.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	0	\$1.35	\$0.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	0	\$1.68	\$0.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	0	\$2,000.00	\$0.00
9029100	BASE, CONCRETE	CY	0	\$1,670.00	\$0.00
9029902	4 FT. PED POST	EA	0	\$700.00	\$0.00

SUB-TOTAL \$0.00

#### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSM)	TON	0	\$132.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00

SUB-TOTAL \$0.00

#### CURB REPLACEMENTS

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00

SUB-TOTAL \$0.00

#### SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,698.00	\$0.00

SUB-TOTAL \$0.00

#### UTILITY RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

SUB-TOTAL \$0.00

#### DRAINAGE RELocations

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

SUB-TOTAL \$0.00

#### MISC. RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$7,500.00	\$0.00

SUB-TOTAL \$0.00

Route #: 22  
Name: Woods Mill



BEGIN POINT Brookings Park  
END POINT Parkway CHS

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRUS	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES										
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	
11	50.43	5	63.41			3	1											1	1	1-Mailbox Relocation
12	16.93	6	58.04			4												2	1	2-Mailbox Relocation
13	49.16	7	53.68																	
14	61.23	8	81.69																	
15	28.92	9	31.86																	
16	7.96	10	37.62																	
17	14.44																			
18	9.58																			
19	7.07																			
20	7.93																			
21	9.32																			
22	12.51																			
23	20.04																			
24	17.82																			
25	8.15																			
26	11.68																			
27	12.22																			
28	10.63																			
29	7.91																			
30	10.77																			
31	10.73																			
32	13.24																			
TOTALS	398.66	6	326.30	0	0.00			1	0	0.00	0	0	0	0	0	0	0	0	2	

#### SIDEWALKS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	223.2	\$65.00	\$14,511.21
6086007	Concrete Sidewalk, 7 IN.	SY	9.3	\$85.00	\$790.67
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	232.6	\$6.00	\$1,395.31

SUB-TOTAL \$16,697.19

#### PARCEL IMPACTS

TCE Commercial			
Parcel #	Com-Res	Type	Area (SF)
TCE Commercial Total: 0			

Sub-Total + Contingency Cost (20%) \$90,770

Removal of Improvements (10%) \$9,080

Traffic Control (10%) \$9,080

Engineering Cost (12%) \$13,080

Construction Administration Cost (10%) \$10,900

Woods Mill Route #: 22

Total Cost Estimate: \$132,910

#### CURB RAMPS

Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	36.3	\$500.00	\$18,127.88
6081012	Truncated Domes	SF	63.0	\$29.00	\$1,827.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	36.3	\$6.00	\$217.53

SUB-TOTAL \$20,172.41

#### PSWE Commercial

PSWE Commercial Total:	0
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#### ISLAND CUT-THRUS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

SUB-TOTAL \$0.00

#### PEDESTRIAN SIGNALS

Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	7	\$900.00	\$6,300.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	5.5	\$38.00	\$209.00
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	7	\$60.00	\$420.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	2.5	\$900.00	\$2,250.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	18	\$13.20	\$237.60
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	340	\$28.80	\$9,792.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	7	\$850.00	\$5,950.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1220	\$1.35	\$1,647.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	1275	\$1.68	\$2,142.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	1.5	\$2,000.00	\$3,000.00
9029100	BASE, CONCRETE	CY	1.75	\$1,670.00	\$2,922.50
9029902	4 FT. PED POST	EA	3	\$700.00	\$2,100.00

SUB-TOTAL \$36,970.10

#### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix PG76-22 (SP95BSN)	TON	0	\$132.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00

SUB-TOTAL \$0.00

#### CURB REPLACEMENTS

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00

SUB-TOTAL \$0.00

#### SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,698.00	\$0.00

SUB-TOTAL \$0.00

#### UTILITY RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

SUB-TOTAL \$0.00

#### DRAINAGE RELocations

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

SUB-TOTAL \$0.00

#### MISC. RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	2	\$900.00	\$1,800.00

SUB-TOTAL \$1,800.00

**ROUTE #:** 23  
**Name:** MO 100

BEGIN POINT Baxter  
END POINT Route 340

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRU	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES									
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA
82	72.73	63	60.68	1	22.60	48	1			106	1	2	1	41	1	ard / 41-state signal box trip hazard / 106-phone pole in center of sidewalk			
83	76.79	64	276.44	2	252.73	49	2			107	1	3	1	42	1	ard / 42-signal floor box trip hazard / 107-phone pole in center of sidewalk			
84	75.24	65	30.99	3	223.35	50				108	1	4	1	43	1	ard / 43-signal floor box trip hazard / 108-phone pole in center of sidewalk			
85	65.82	66	35.32	4	550.99	51	3			109	1	5	1	44	1	trip hazard / 44-trip hazard / 109-phone pole in center of sidewalk			
86	14.49	67	29.32	39	582.33	52				110	1	6	1	10	1	6-trip hazard / 110-phone pole in center of sidewalk			
87	20.87	68	29.46	40	577.87	53				111	1	7	1	11	1	7-in passageway / 111-phone pole in center of sidewalk			
88	12.16	69	19.22			54				112	1	8	1	12	1	8-trip hazard / 112-phone pole in center of sidewalk			
89	101.22	70	30.87			55				113	1	9	1	13	1	9-loose cover trip hazard / 113-phone pole in center of sidewalk			
90	12.19	71	36.80			56				114	1			14	1	114-phone pole in center of sidewalk			
91	28.13	72	355.32			57	5			115	1			15	1	115-manhole cover in passageway			
92	105.65	73	448.61			58													
93	5.13	74	184.58			59	6												
94	14.06	75	273.22			60													
95	123.74	76	290.18			61	7												
96	13.71	77	191.29			62													
97	22.50	78	64.99																
98	6.91	79	55.50																
99	22.61	80	313.17																
100	14.56	81	58.13																
101	88.72																		
102	25.99																		
103	12.89																		
104	61.67																		
105	74.48																		

Items 10-38, 45-47 - Crosswalk paint needed

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.	
LF	EA	SF	EA	SF	EA	EA	LF	EA	EA	EA	EA	EA	EA	
TOTALS	1072.24	19	2784.08	6	2409.88	7	2	0.00	1	18.88	0	10	8	36

SIDEWALKS		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	600.5	\$65.00	\$39,029.48
6086007	Concrete Sidewalk, 7 IN.	SY	25.0	\$85.00	\$2,126.61
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	625.5	\$6.00	\$3,752.83

PARCEL IMPACTS			Sub-Total + Contingency Cost (20%)	\$788,950
<b>TCE Commercial</b>			Removal of Improvements (10%)	\$78,990
Parcel #	Com-Res	Type	Area (SF)	
1	C	TCE	900.91	Traffic Control (10%)
2	C	TCE	483.27	Engineering Cost (12%)
3	C	TCE	26.86	Construction Administration Cost (10%)
4	C	TCE	1824.39	
5	C	TCE	318.78	
6	C	TCE	301.2	
7	C	TCE	49.81	
8	C	TCE	24.72	
9	C	TCE	594.45	
10	C	TCE	602.95	
11	C	TCE	585.59	
12	C	TCE	204.49	
13	C	TCE	24.73	
14	C	TCE	13819.47	
15	C	TCE	168.95	
16	C	TCE	145.68	
17	C	TCE	314.2	
18	C	TCE	407.94	
19	C	TCE	141.43	
20	C	TCE	409.48	
21	C	TCE	179.05	
22	C	TCE	603.78	
23	C	TCE	445.01	

TCE Commercial Total: 22,577.14

PSWE Commercial			
1	C	PSWE	2156.18
2	C	PSWE	951.97
4	C	PSWE	2750.59
5	C	PSWE	444.61
9	C	PSWE	911.31
10	C	PSWE	124.22
11	C	PSWE	1230.93
12	C	PSWE	261.59
14	C	PSWE	1221.07
15	C	PSWE	237.04
16	C	PSWE	50.2
17	C	PSWE	1008.6
18	C	PSWE	646.61
20	C	PSWE	1052.51
22	C	PSWE	55.37
23	C	PSWE	141.79

PSWE Commercial Total: 14,344.59

DRIVEWAY/ENTRANCES		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	49	\$900.00	\$44,100.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	38.5	\$38.00	\$1,463.00
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	49	\$60.00	\$2,940.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	17.5	\$900.00	\$15,750.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	126	\$13.20	\$1,663.20
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	2380	\$28.80	\$68,544.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	49	\$850.00	\$41,650.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	8540	\$1.35	\$11,529.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	8925	\$1.68	\$14,994.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	10.5	\$2,000.00	\$21,000.00
9029100	BASE, CONCRETE	CY	12.25	\$1,670.00	\$20,457.50
9029902	4 FT. PED POST	EA	21	\$700.00	\$14,700.00

DRIVEWAY/ENTRANCES Total: \$1,400.00

CURB REPLACEMENTS		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	13.2	\$35.00	\$462.56
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	5.7	\$20.00	\$113.28

CURB REPLACEMENTS Total: \$575.84

SIGN RELOCATIONS		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

SIGN RELOCATIONS Total: \$0.00

UTILITY LOCATIONS		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	10	\$10,000.00	\$100,000.00

UTILITY LOCATIONS Total: \$100,000.00

#### DRAINAGE RELocations

**DRAINAGE RELOCATIONS**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	8	\$2,500.00	\$20,000.00

**SUB-TOTAL**                   **\$20,000.00**

**MISC. RELOCATIONS**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	4	\$2,500.00	\$10,000.00
	Intersection crosswalk painting		32	\$750.00	\$24,000.00

**SUB-TOTAL**                   **\$34,000.00**

BEGIN POINT Shepard  
END POINT Clayton

SIDEWALK		CURB RAMPS		ISLAND/CUT-THRU		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES		
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	4	1	
9	23.82	6	89.23	2	155.23	5	1	1	940.66													
10	55.93	7	70.54	3	127.77																	
11	592.03	8	116.54																			
12	562.14																					
13	74.10																					
<b>SIDEWALK</b>		<b>No.</b>	<b>RAMPS</b>	<b>No.</b>	<b>CUT-THRU</b>	<b>PED SIG</b>	<b>No.</b>	<b>DRIVEWAY</b>	<b>No.</b>	<b>CURBS</b>	<b>SIGNS</b>	<b>UTILITY</b>	<b>DRAINAGE</b>	<b>MISC.</b>								
TOTALS	LF	EA	SF	EA	SF	EA	EA	EA	SF	EA	LF	EA	EA	EA	EA	EA	EA	EA	EA	1		
1308.03	3	276.31	2	283.00		1	1	940.66	0	0	0	0	0	0	0	0	0	0	0	1		

#### SIDEWALKS

Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	732.5	\$65.00	\$47,612.21
6086007	Concrete Sidewalk, 7 IN.	SY	30.5	\$85.00	\$2,594.25
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	763.0	\$6.00	\$4,578.10

**SUB-TOTAL** \$54,784.56

#### CURB RAMPS

Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	30.7	\$500.00	\$15,350.44
6081012	Truncated Domes	SF	31.5	\$29.00	\$913.50
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	30.7	\$6.00	\$184.21

**SUB-TOTAL** \$16,448.14

#### ISLAND CUT-THRU

Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	31.4	\$85.00	\$2,672.78
6081000	Concrete Median	SY	12.6	\$70.00	\$880.44
6081012	Truncated Domes	SF	50.0	\$29.00	\$1,450.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	31.4	\$6.00	\$188.67

**SUB-TOTAL** \$5,191.89

#### PEDESTRIAN SIGNALS

Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	7	\$900.00	\$6,300.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	5.5	\$38.00	\$209.00
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	7	\$60.00	\$420.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	2.5	\$900.00	\$2,250.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	18	\$13.20	\$237.60
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	340	\$28.80	\$9,792.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	7	\$850.00	\$5,950.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1220	\$1.35	\$1,647.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	1275	\$1.68	\$2,142.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	1.5	\$2,000.00	\$3,000.00
9029100	BASE, CONCRETE	CY	1.75	\$1,670.00	\$2,922.50
9029902	4 FT. PED POST	EA	3	\$700.00	\$2,100.00

**SUB-TOTAL** \$36,970.10

#### DRIVEWAY/ENTRANCES

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	67,936.6	\$95.00	\$6,453.97
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	67,936.6	\$92.00	\$6,250.16
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	30,461.7	\$80.00	\$2,436.94
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSM)	TON	29,991.4	\$132.00	\$3,958.86
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	104,518	\$6.00	\$627.11
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	35	\$20.00	\$700.00

**SUB-TOTAL** \$20,427.04

#### CURB REPLACEMENTS

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00

**SUB-TOTAL** \$0.00

#### SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

**SUB-TOTAL** \$0.00

#### UTILITY RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

**SUB-TOTAL** \$0.00

#### DRAINAGE RELocations

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

**SUB-TOTAL** \$0.00

#### MISC. RELOCATIONS

Pay Item	Route #:	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	1	\$7,500.00	\$7,500.00

**SUB-TOTAL** \$7,500.00

#### PARCEL IMPACTS

TCE Commercial			
Parcel #	Com-Res	Type	Area (SF)
1	C	TCE	2607.82
TCE Commercial Total:			2,607.82

Sub-Total + Contingency Cost (20%)

\$169,590

Removal of Improvements (10%)

\$16,960

Traffic Control (10%)

\$16,960

Engineering Cost (12%)

\$24,430

Construction Administration Cost (10%)

\$20,360

**MO 109      Route #: 24**

**Total Cost Estimate: \$248,300**

Route #: 25  
Name: MO 109



BEGIN POINT Central Avenue

SIDEWALK												CURB RAMPS		ISLAND/CUT-THRU		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES	
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA								
3	159.00			1	112.90																										
				2	116.10																										
TOTALS	159.00	LF	EA	SF	EA	SF	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.																
		0	0.00	2	229.00		EA	0	SF	EA	LF	EA	EA	EA	EA	0	0	0	0	0	0	0									
<b>SIDEWALKS</b>												<b>PARCEL IMPACTS</b>		<b>Sub-Total + Contingency Cost (20%)</b>		\$13,370															
Pay Item	Description	Units	QTY	Unit cost	Cost			Parcel #	Com-Res	Type	Area (SF)																				
6086004	Concrete Sidewalk, 4 IN.	SY	89.0	\$65.00	\$5,787.60																										
6086007	Concrete Sidewalk, 7 IN.	SY	3.7	\$85.00	\$315.35																										
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	92.8	\$6.00	\$556.50																										
	<b>SUB-TOTAL</b>				<b>\$6,659.45</b>																										
<b>CURB RAMPS</b>												<b>TCE Commercial Total:</b>		<b>0</b>		<b>MO 109</b>		<b>Route #:</b>		<b>25</b>											
Pay Item	Description	Units	QTY	Unit cost	Cost																										
6081010	Concrete Curb Ramp	SY	0.0	\$500.00	\$0.00																										
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00																										
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00																										
	<b>SUB-TOTAL</b>				<b>\$0.00</b>																										
<b>ISLAND CUT-THRU</b>												<b>PSWE Commercial Total</b>		<b>0</b>																	
Pay Item	Description	Units	QTY	Unit cost	Cost																										
6086007	Concrete Sidewalk, 7 IN.	SY	25.4	\$85.00	\$2,162.78																										
6081000	Concrete Median	SY	10.2	\$70.00	\$712.44																										
6081012	Truncated Domes	SF	50.0	\$29.00	\$1,450.00																										
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	25.4	\$6.00	\$152.67																										
	<b>SUB-TOTAL</b>				<b>\$4,477.89</b>																										
<b>PEDESTRIAN SIGNALS</b>												<b>PSWE Residential Total:</b>		<b>0</b>																	
Pay Item	Description	Units	QTY	Unit cost	Cost																										
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	0	\$900.00	\$0.00																										
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	0	\$38.00	\$0.00																										
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	0	\$60.00	\$0.00																										
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	0	\$900.00	\$0.00																										
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	0	\$13.20	\$0.00																										
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	0	\$28.80	\$0.00																										
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	0	\$850.00	\$0.00																										
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	0	\$1.35	\$0.00																										
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	0	\$1.68	\$0.00																										
9028811	PULL BOX, PREFORMED CLASS 2	EA	0	\$2,000.00	\$0.00																										
9029100	BASE, CONCRETE	CY	0	\$1,670.00	\$0.00																										
9029902	4 FT. PED POST	EA	0	\$700.00	\$0.00																										
	<b>SUB-TOTAL</b>				<b>\$0.00</b>																										
<b>DRIVEWAY/ENTRANCES</b>																															
Pay Item	Description	Units	QTY	Unit cost	Cost																										
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00																										
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	0	\$92.00	\$0.00																										
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00																										
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSV)	TON	0	\$132.00	\$0.00																										
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00																										
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00																										
	<b>SUB-TOTAL</b>				<b>\$0.00</b>																										
<b>CURB REPLACEMENTS</b>																															
Pay Item	Description	Units	QTY	Unit cost	Cost																										
6091052	Curb & Gutter, Type B	SF	0.0	\$35.00	\$0.00																										
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LBS	0.0	\$20.00	\$0.00																										
	<b>SUB-TOTAL</b>				<b>\$0.00</b>																										
<b>SIGN RELocations</b>																															
Pay Item	Description	Units	QTY	Unit cost	Cost																										
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00																										
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00																										
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00																										
	<b>SUB-TOTAL</b>				<b>\$0.00</b>																										
<b>UTILITY RELOCATIONS</b>																															
Pay Item	Description	Units	QTY	Unit cost	Cost																										
Utility Relocation		EA	0	\$15,000.00	\$0.00																										
	<b>SUB-TOTAL</b>				<b>\$0.00</b>																										
<b>DRAINAGE RELOCATIONS</b>																															
Pay Item	Description	Units	QTY	Unit cost	Cost																										
Drainage Relocation		EA	0	\$2,500.00	\$0.00																										

BEGIN POINT MO 10  
END POINT I-64

SIDWALK CURB RAMP

Intersections that need crosswalk painting

SIDEWALKS				PARCEL IMPACTS			Sub-Total + Removal
Pay Item	Description	Units	QTY	Unit cost	Cost		
6086004	Concrete Sidewalk, 4 IN.	SV	722.7	\$65.00	\$46,972.89		
6086007	Concrete Sidewalk, 7 IN.	SV	30.1	\$85.00	\$2,559.42		
3040504	Type 5 Aggregate for base (4 IN. Thick)	SV	752.8	\$6.00	\$4,161.62		

Route CC                      Route #: 36

Route #: 26

**Cost Estimate:** \$535,100

SUB-TOTAL	\$54,048.93	TCE Commercial Total:	285.05	Route C To
CURB RAMPS		PSWE Commercial	4 C PSWE 50	

SUB-TOTAL			\$119,867.92		TCE Residential		
<b>ISLAND CUT-THRUS</b>							
Pay Item	Description	Units	QTY	Unit cost	Cost	3	R TCE 178.86
6096007	Concrete Sidewalk 7 IN.	sq	120.6	\$95.00	\$11,098.51	5	R TCE 37.97
						6	R TCE 540.32
						9	R TCE 671.72

608007	Concrete Sidewalk, 4 in.	SY	130.6	\$65.88	\$1,039.52				
6081000	Concrete Median	SY	52.2	\$70.00	\$3,655.98				
6081012	Truncated Domes	SF	150.0	\$29.00	\$4,350.00				
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	130.6	\$6.00	\$783.42				
							TCE Residential Total:		1,428.87

SUB-TOTAL				\$19,887.92	PSWE Residential				
PEDESTRIAN SIGNALS					1	R	PSWE	800	
Pay Item	Description	Units	QTY	Unit cost	Cost				
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	14	\$900.00	\$12,600.00	2	R	PSWE	61.39
						3	R	PSWE	146.88
						5	R	PSWE	70.8

9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	11	\$38.00	\$418.00	6	R	PSWE	435.41
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	14	\$60.00	\$840.00	7	R	PSWE	362.34
9022708	POST, SIGNAL S.F. OR 2.4 M	EA	5	\$900.00	\$4,500.00	8	R	PSWE	257.8
9025309	CONDUT, 3 IN., TRENCH WITH TRACER WIRE	LF	36	\$12.20	\$457.20	9	R	PSWE	1815.34
9027200	CONDUIT, 2 IN., PUSHED WITH TRACER WIRE	LF	680	\$19.90	\$13,894.00	11	D	PSWE	99.2

5027500 CONDUIT, 3 INCH, COILED WITH THIN WIRE	EA	680	\$26.80	\$15,364.00	11	R	PSWE	68.5
9024921 ACCESSIBLE PEDESTRIAN SIGNAL	EA	14	\$850.00	\$11,900.00	12	R	PSWE	618.5
9028308 CABLE, 16 AWG 2 CONDUCTOR	LF	2440	\$1.35	\$3,294.00	13	R	PSWE	150
9028310 CABLE, 16 AWG 5 CONDUCTOR	LF	2550	\$1.68	\$4,284.00				
9028811 PULL BOX, PREFORMED CLASS 2	EA	3	\$2,000.00	\$6,000.00				

9029100	BASE, CONCRETE	CY	3.5	\$1,670.00	\$5,845.00	PSWE Residential Total: 4,806.76
9029902	4 FT. PED POST	EA	6	\$700.00	\$4,200.00	
			<b>SUB-TOTAL</b>	<b>\$73,940.20</b>		

DRIVeway/ENTRANCES					
Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	31.4542	\$95.00	\$2,988.15
5021311	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	31.4542	\$92.00	\$2,893.79
4013000	Biriminuous Pavement Mix PG64-22 (Base)	TON	14.1036	\$80.00	\$1,128.29

4030008	Bituminous Pavement Mix PG-64-22 (SBS)	TON	14.0000	\$85.00	\$1,220.25
4030009	Bituminous Pavement Mix PG-67-22 (SP95BSV)	TON	13.8858	\$132.00	\$1,832.93
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	48.3911	\$6.00	\$290.35
6092011	Integral Curb (6 IN. HT. & Under) Type A	LF	35	\$20.00	\$700.00

CURB REPLACEMENTS			SUB-TOTAL		\$9,833.50	
Pay Item	Description		Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B		LF	0.0	\$35.00	\$0.00

6092011 Integral Curb (6 IN. Ht. & Under) Type A LF 0.0 \$20.00 \$0.00  
**SUB-TOTAL** **\$0.00**  
SIGN RELOCATIONS

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

SUB-TOTAL		\$0.00			
<b>UTILITY RELOCATIONS</b>					
Pay Item	Description	Units	QTY	Unit cost	Cost

Utility Relocation	EA	1	\$15,000.00	\$15,000.00
		SUB-TOTAL		\$15,000.00
DRAINAGE RELocations				

Drainage Relocation					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00
<b>SUB-TOTAL</b>				<b>\$0.00</b>	

MISC. RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$7,500.00	\$0.00
	Crosswalk painting	EA	16	\$ 750.00	\$12,000.00

BEGIN POINT MO 141  
END POINT Valcour

LINEAR ALGEBRA

ITEM #	SIDEWALK		CURB RAMPS		ISLAND/CUT-THRU'S		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC.		
	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Notes	
142	86.55	72	43.22	54	29.29	66	1	23	490.55	59	1	217	1	1	1	1	1	1	1	1	1	1-ATG	
143	178.46	73	69.45			67	1	24	516.84	64	1	218	1	2	1	58	1					2-ATG / 58-trip	
144	342.41	74	44.88			68	25	322.84	212	1	219	1	3	1	60	1						3-ATG / 60-drainage structure	
145	1073.97	75	37.52			69	1	26	1,501.08	213	1		4	1	61	1						4-ATG, 61-trip	
146	53.31	76	24.95			70	27	1,058.67	214	1		5	1	62	1							5-ATG, 62-trip	
147	359.39	77	21.10			71	1	28	312.49	215	1		6	1	63	1						6-ATG / 63-trip	
148	170.86	78	104.23			29		795.21	216	1		7	1	65	1	184-Sink hole / 65-concrete base into wall creating 4' path at c							
149	172.01	79	99.18			30		352.70				8	1	185	1	8-ATG / 185-Adjust Concrete Drain, Channel							
150	420.64	80	46.62			31		872.79				9	1	186	1	9-ATG / 186-Adjust Drain channel							
151	50.40	81	65.21			32		496.46				10	1	55	1	10-ATG / 55-Utility valves & covers ATG							
152	75.03	82	35.56			33		411.47				11	1	56	1	11-ATG / 56-Water Valve ATG							
153	221.25	83	182.90			34		135.15				12	1	57	1	12-ATG / 57-Water valve trip hazard							
154	243.79	84	80.54			35		542.17				13	1									13-ATG	
155	321.61	85	63.08			36		774.63				14	1									14-ATG	
156	136.82	86	531.17			37		457.26				15	1									15-ATG	
157	188.35	87	194.62			38		341.22				16	1									16-ATG	
158	379.86	88	88.30			39		723.02				17	1									17-ATG	
159	371.01	89	73.64			40		362.29				18	1									18-ATG	
160	121.71	90	16.21			41		344.73				19	1									19-ATG	
161	73.90	91	94.40			42		346.95				20	1									20-ATG	
162	103.20	92	214.74			43		357.09				21	1									21-ATG	
163	83.07	93	168.38			44		533.76				22	1									22-ATG	
164	103.84	94	44.58			45		556.29															
165	780.98	95	60.65			46		311.09															
166	133.46	96	76.10			47		484.74															
167	64.01	97	107.99			48		379.61															
168	36.24	98	78.24			49		182.97															
169	16.01	99	38.85548			50		234.42															
170	196.75	100	50.22102			51		586.78															
171	6.93	101	11.71101			52		528.33															
172	1548.52	102	56.44023			53		1,695.53															
173	569.02	103	36.114																				
174	139.96	104	49.54517																				
175	555.06	105	67.11819																				
176	208.23	106	93.6342																				
177	786.84	107	100.08289																				
178	304.14	108	51.51939																				
179	357.22	109	102.0645																				
180	138.28	110	101.437																				
181	115.91	111	173.1209																				
182	90.26	112	179.4311																				
183	250.33	113	92.95256																				
184	251.26	114	140.2487																				
185	172.29	115	77.27263																				
186	207.92	116	59.46951																				
187	288.06	117	150.24749																				
188	353.18	118	157.6262																				
189	277.36	119	280.0811																				
190	350.34	120	106.2693																				
191	228.29	121	106.3726																				
192	177.50	122	248.32123																				
193	38.80	123	54.82481																				
194	612.18	124	43.26315																				
195	112.06	125	68.79539																				
196	58.65	126	70.92435																				
197	63.15	127	113.579																				
198	28.94	128	94.10151																				
199	426.95	129	38.7841																				
200	117.99	130	80.50739																				
201	50.62	131	45.46994																				
202	688.28	132	61.23383																				
203	158.45	133	51.83106																				
204	212.48	134	68.70525																				
205	149.85	135	106.9762																				
206	408.39	136	37.70183																				
207	55.95	137	109.6283																				
208	1173.10	138	280.246																				
209	287.45	139	344.8348																				
210	95.58	140	249.1791																				
211	418.07	141	100.43																				
	SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	No.	DRAINAGE	MISC.								
	1-Ft	EE	EE	EE	EE	EE	EA	EE	EE	EE	EE	EE	EA	EE	EE	EA	EE	EE	EE	EE	EE	EE	NOTES

**TOTALS** 19490.76 70 7218.70 1 29.29 4 31 17,099.11 0 0 7 3 22 11

Pay Item	Description	SIDEWALKS			PARCEL IMPACTS		
		Units	QTY	Unit cost	Cost		
6086004	Concrete Sidewalk, 4 IN.	SY	10,914.8	\$65.00	\$709,463.61		
6086007	Concrete Sidewalk, 7 IN.	SY	454.8	\$85.00	\$38,656.67		
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	11,369.6	\$6.00	\$68,217.66		
		<b>SUB-TOTAL</b>		<b>\$816,337.94</b>			
<b>TCE Commercial</b>							
Parcel #	Com-Res	Type	Area (SF)				
8	C	TCE	168.35				
9	C	TCE	74.23				
				12	C	TCE	26.44
				13	C	TCE	1180.89

Sub-Total + Contingency Cost (20%)	\$2,590,340
Removal of Improvements (10%)	\$229,060
Traffic Control (10%)	\$229,060
Engineering Cost (12%)	\$329,840
Construction Administration Cost (10%)	\$274,870

Pay Item	Description	CURB RAMPS			10 C	TCE C	47.2 90.18
		Units	QTY	Unit cost			
6081010	Concrete Curb Ramp	SY	802.1	\$500.00	\$401,038.66		
6081012	Truncated Domes	SF	735.0	\$29.00	\$21,315.00		
						TCE Commercial Total:	1,587.25

Total Cost Estimate: \$3,253,370

3040504	Type 5 Aggregate for base (4 In. Thick)	SY	802.1	\$6.00	\$4,812.46		<b>PSWE Commercial</b>
						8	C PSWE 59.53
						9	C PSWE 8.93
	<b>SUB-TOTAL</b>			<b>\$427,166.12</b>		13	C PSWE 468.43

ISLAND CUT-THRU'S						10	C	PSWE	3.21
Pay Item	Description	Units	QTY	Unit cost	Cost	11	C	PSWE	11.09
6086007	Concrete Sidewalk, 7 IN.	SY	3.3	\$85.00	\$276.63				
6081000	Concrete Median	SY	1.3	\$70.00	\$91.12				

			PSWE	Commercial	Total	551.22
			TCE Residential			
			1	R	TCE	549.18
6086007	Concrete Sidewalk, 7 IN.	SY	3.3	\$85.00	\$276.63	
6081000	Concrete Median	SY	1.3	\$70.00	\$91.12	
6081012	Truncated Domes	SF	25.0	\$29.00	\$725.00	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	3.3	\$6.00	\$19.53	

<b>SUB-TOTAL</b>	<b>\$1,112.28</b>	2	R	TCE	186.44
		3	R	TCE	423.46
		4	R	TCE	693.06
<b>PEDESTRIAN SIGNALS</b>		5	R	TCE	69.46

Pay Item	Description	Units	QTY	Unit cost	Cost			
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	28	\$900.00	\$25,200.00	6	R	TCE
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	22	\$38.00	\$836.00	7	R	TCE
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	28	\$60.00	\$1,680.00			
<b>TCE Residential Total:</b>								<b>2,937.61</b>

						PSWE Residential		
9022708	POST SIGNAL 8 FT. OR 2.4 M	EA	10	\$900.00	\$9,000.00			
9025300	CONDUT, 3 IN., TRENCH WITH TRACER WIRE	LF	72	\$13.20	\$950.40	1	R	PSWE
9027300	CONDUT, 3 IN., PUSHED WITH TRACER WIRE	LF	1360	\$28.80	\$39,168.00	2	R	PSWE
9042921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	28	\$850.00	\$23,800.00	3	R	PSWE

9028300	CABLE, 16 AWG 2 CONDUCTOR	LF	4880	\$1.35	\$6,588.00	6	R	PSWE	117.28
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	5100	\$1.68	\$8,568.00	7	R	PSWE	302.69
9028811	PULL BOX, PREFORMED CLASS 2	EA	6	\$2,000.00	\$12,000.00				
9029100	BASE, CONCRETE	CY	7	\$1,670.00	\$11,690.00				
								PSWE Residential Total	718.36

9029902 4 FT. PED POST EA 12 \$700.00 \$8,400.00

**DRIVEWAY/ENTRANCES**

Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	1234.94	\$95.00	\$117,318.92
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforcec	SY	1234.94	\$92.00	\$113,614.12
4013000	Bituminous Pavement Mix. PG64-22 (Base)	TON	553.726	\$80.00	\$44,298.11
4030009	Bituminous Pavement Mix. PG76-22 (SP95BSN	TON	545.177	\$132.00	\$71,963.33
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	1899.9	\$6.00	\$11,399.41
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	1085	\$20.00	\$21,700.00

**SUB-TOTAL**                   **\$380,293.89**

**CURB REPLACEMENTS**

Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00

**SUB-TOTAL**                   **\$0.00**

**SIGN RELOCATIONS**

Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	51.5	\$38.00	\$1,957.38
9031220	Pipe Post	LBS	822.4	\$6.00	\$4,934.58
9031010	Concrete Footing	CY	0.9	\$1,750.00	\$1,592.50

**SUB-TOTAL**                   **\$8,484.46**

**UTILITY RELOCATIONS**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	3	\$15,000.00	\$45,000.00

**SUB-TOTAL**                   **\$45,000.00**

**DRAINAGE RELOCATIONS**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	22	\$2,500.00	\$55,000.00

**SUB-TOTAL**                   **\$55,000.00**

**MISC. RELOCATIONS**

Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	11	\$2,500.00	\$27,500.00

**SUB-TOTAL**                   **\$27,500.00**

Route #: 28

Name: I-55

BEGIN POINT Bayless

END POINT Jeff Co Line

SIDEWALK		CURB RAMPS		ISLAND/CUT-THRU		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES	
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA		
27	182.44	20	63.66	5	214.10	7				1	53.57	35	1								
28	29.10	21	43.11	6	40.14	8				2	74.59										
29	319.32	22	119.28			9				3	46.97										
30	939.35	23	106.18			10				4	69.70										
31	60.70	24	45.15			11															
32	512.90	25	122.39			12															
33	169.91	26	75.59			13															
34	379.41					14															
						15															
						16															
						17															
						18															
						19				2											

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA
TOTALS	2593.14	7	575.35	2	254.24	2	0	0.00	4	244.83	1	0	0

SIDEWALKS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	1,452.2	\$65.00	\$94,390.22
6086007	Concrete Sidewalk, 7 IN.	SY	60.5	\$85.00	\$5,143.06
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	1,512.7	\$6.00	\$9,075.98

PARCEL IMPACTS			
TCE Commercial			
Parcel #	Com-Res	Type	Area (SF)
1	C	TCE	919.13
2	C	TCE	872.38
3	C	TCE	1091.17
4	C	TCE	412.45
5	C	TCE	4398.52
6	C	TCE	40.22

I-55      Route #: 28  
 Total Cost Estimate: \$405,190

CURB RAMPS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	63.9	\$500.00	\$31,964.05
6081012	Truncated Domes	SF	73.5	\$29.00	\$2,131.50
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	63.9	\$6.00	\$383.57

SUB-TOTAL				\$108,609.26
TCE Commercial Total:				7,733.87
1	C	PSWE	915.05	
2	C	PSWE	174.48	
3	C	PSWE	218.23	
4	C	PSWE	40	
5	C	PSWE	972.44	
6	C	PSWE	21.18	

PSWE Commercial Total: 2,341.38

ISLAND CUT-THRU					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	28.2	\$85.00	\$2,401.14
6081000	Concrete Median	SY	11.3	\$70.00	\$790.97
6081012	Truncated Domes	SF	50.0	\$29.00	\$1,450.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	28.2	\$6.00	\$169.49

SUB-TOTAL \$4,811.60

PEDESTRIAN SIGNALS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	14	\$900.00	\$12,600.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	11	\$38.00	\$418.00
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	14	\$60.00	\$840.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	5	\$900.00	\$4,500.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	36	\$13.20	\$475.20
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	680	\$28.80	\$19,584.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	14	\$850.00	\$11,900.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	2440	\$1.35	\$3,294.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	2550	\$1.68	\$4,284.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	3	\$2,000.00	\$6,000.00
9029100	BASE, CONCRETE	CY	3.5	\$1,670.00	\$5,845.00
9029902	4 FT. PED POST	EA	6	\$700.00	\$4,200.00

SUB-TOTAL \$73,940.20

DRIVEWAY/ENTRANCES					
Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix, PG75-22 (SP95BSN)	TON	0	\$132.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00

SUB-TOTAL \$0.00

CURB REPLACEMENTS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	171.4	\$35.00	\$5,998.23
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	73.4	\$20.00	\$1,468.95

SUB-TOTAL \$7,467.18

SIGN RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	9.9	\$38.00	\$377.34
9031220	Pipe Post	LBS	117.5	\$6.00	\$704.94
9031010	Concrete Footing	CY	0.1	\$1,750.00	\$227.50

SUB-TOTAL \$1,309.78

UTILITY RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

SUB-TOTAL \$0.00

DRAINAGE RELocations					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

SUB-TOTAL \$0.00

MISC. RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$7,500.00	\$0.00

SUB-TOTAL \$0.00

Route #: 29  
Name: I-44 NOR



BEGIN POINT I-270 WOR  
END POINT Geyer

SIDEWALK CURB RAMP

**TOTALS** LF EA SF EA SF EA EA SF EA LF EA EA EA EA EA

SIDEWALKS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	15.8	\$65.00	\$1,025.70
6086007	Concrete Sidewalk, 7 IN.	SY	0.7	\$85.00	\$59.58
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	16.4	\$6.00	\$98.60
<b>SUB-TOTAL</b>					<b>\$1,180.28</b>

PARCEL IMPACTS				Sub-Total + Contingency Cost (20%)	\$4,990
TCE Commercial				Removal of Improvements (10%)	\$500
Parcel #	Com-Res	Type	Area (SF)	Traffic Control (10%)	\$500
				Engineering Cost (12%)	\$720
				Construction Administration Cost (10%)	\$600

CURB RAMPS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	0.0	\$500.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00
<b>SUB-TOTAL</b>					<b>\$0.00</b>

TCE Commercial Total: 0

ISLAND CUT-THRUS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

PSWE Commercial Total 0

PEDESTRIAN SIGNALS					Sub-Total	\$0.00
Pay Item	Description	Units	QTY	Unit cost	Cost	
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	0	\$900.00	\$0.00	
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	0	\$38.00	\$0.00	
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	0	\$60.00	\$0.00	
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	0	\$900.00	\$0.00	

TCE Residential Total: 0

9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	0	\$20.20	00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	0	\$85.00	00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	0	\$1.35	00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	0	\$1.68	00
9028811	PULL BOX, PREFORMED CLASS 2	EA	0	\$2,000.00	00
9029100	BASE, CONCRETE	CY	0	\$1,670.00	00
9029902	4 FT. PED POST	EA	0	\$700.00	00

PSWE Residential Total: 0

SUB-TOTAL					\$0.00
DRIVEWAY/ENTRANCES					
Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	7.43311	\$95.00	\$706.11
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	7.43311	\$92.00	\$683.88

4013000	Bituminous Pavement Mix PG62-22 (Base)	TON	3.3284	\$80.00	\$260.64
4030009	Bituminous Pavement Mix PG76-22 (SP95BSM)	TON	3.28143	\$132.00	\$433.92
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	11.4356	\$6.00	\$68.64
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	35	\$20.00	\$700.00

CURB REPLACEMENTS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00
<b>SUB-TOTAL</b>					<b>\$0.00</b>

SIGN RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	3.0	\$38.00	\$114.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

UTILITY RELOCATIONS						Sub Total	\$114.00
Pay Item	Description	Units	QTY	Unit cost	Cost		
	Utility Relocation	EA	0	\$15,000.00	\$0.00		
<b>SUB-TOTAL</b>							<b>\$0.00</b>

Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00
<b>SUB-TOTAL</b>					<b>\$0.00</b>
<b>MISC. RELOCATIONS</b>					
Pay Item	Description	Units	QTY	Unit cost	Cost

**SUB-TOTAL** \$0.0

**ROUTE #:** 30  
**Name:** MO I-44

 BEGIN POINT 109  
 END POINT Laclede Station

SIDEWALK												CURB RAMPS			ISLAND/CUT-THRU'S		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES	
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA					
40	104.49	22	13.89	8	97.68	13	1													1	1	2	1			1-Manhole opening to big						
41	344.88	23	22.85	9	89.28	14																3	1			Items 2-7 - crosswalk paint needed						
		24	11.22	10	165.30	15															4	1										
		25	18.29	11	116.10	16															5	1										
		26	12.34	12	112.94	17															6	1										
		27	13.20		18																7	1										
		28	6.92		19		3																									
		29	21.45		20																											
		30	14.27		21		4																									
		31	23.15																													
		32	17.92																													
		33	18.23																													
		34	19.63																													
		35	18.11																													
		36	47.61																													
		37	45.83																													
		38	25.99																													
		39	37.46																													
TOTALS													No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.				
													RAMPS	CUT-THRU	PED SIG	DRIVEWAY	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.											
													LF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA	EA	EA	EA	EA				
													449.37	18	388.38	5	581.31	4	0	0.00	0	0	0	0	1	1	6	6				

SIDEWALKS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	251.6	\$65.00	\$16,357.07
6086007	Concrete Sidewalk, 7 IN.	SY	10.5	\$85.00	\$891.25
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	262.1	\$6.00	\$1,572.80

**SUB-TOTAL** \$18,821.12

CURB RAMPS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	43.2	\$500.00	\$21,576.53
6081012	Truncated Domes	SF	189.0	\$29.00	\$5,481.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	43.2	\$6.00	\$258.92

**SUB-TOTAL** \$27,316.44

ISLAND CUT-THRU'S					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	64.6	\$85.00	\$5,490.15
6081000	Concrete Median	SY	25.8	\$70.00	\$1,808.52
6081012	Truncated Domes	SF	125.0	\$29.00	\$3,625.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	64.6	\$6.00	\$387.54

**SUB-TOTAL** \$11,311.21

PEDESTRIAN SIGNALS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	28	\$900.00	\$25,200.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	22	\$38.00	\$836.00
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	28	\$60.00	\$1,680.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	10	\$900.00	\$9,000.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	72	\$13.20	\$950.40
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	1360	\$28.80	\$39,168.00
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	28	\$850.00	\$23,800.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	4880	\$1.35	\$6,588.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	5100	\$1.68	\$8,568.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	6	\$2,000.00	\$12,000.00
9029100	BASE, CONCRETE	CY	7	\$1,670.00	\$11,690.00
9029902	4 FT. PED POST	EA	12	\$700.00	\$8,400.00

**SUB-TOTAL** \$147,880.40

DRIVEWAY/ENTRANCES					
Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	0	\$92.00	\$0.00
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSN)	TON	0	\$132.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00

**SUB-TOTAL** \$0.00

CURB REPLACEMENTS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00

**SUB-TOTAL** \$0.00

SIGN RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

**SUB-TOTAL** \$0.00

UTILITY RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

**SUB-TOTAL** \$0.00

DRAINAGE RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	1	\$2,500.00	\$2,500.00

**SUB-TOTAL** \$2,500.00

MISC. RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$7,500.00	\$0.00
	Interchange crosswalk painting	EA	6	\$750.00	\$4,500.00

**SUB-TOTAL** \$4,500.00







BEGIN POINT Mexico Rd  
END POINT Babble Creek

SIDEWALK		CURB RAMPS		ISLAND/CUT-THRUS		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES	
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA		
76	75.21	34	176.61	3	214.54	18		123	887.53	1	13.41	119	1	122	1					122 - water meter above ground	
77	101.88	35	86.35	4	70.12	19	1			2	10.95	120	1							Intersection cross walk paint needed	
78	217.98	36	51.48	5	92.27	20						121	1							Intersection cross walk paint needed	
79	96.44	37	121.12	6	43.28	21															
80	159.30	38	13.89	7	76.78	22	2														
81	13.02	39	90.52	8	94.91	23															
82	314.65	40	90.52	9	110.73	24	3														
83	75.90	41	57.13	10	51.35	25															
84	56.74	42	32.31	11	38.38	26	4														
85	32.05	43	24.97	12	56.73	27															
86	69.41	44	68.28	13	30.93	28															
87	52.71	45	105.87	14	86.14	29	5														
88	61.43	46	53.77	15	98.07	30															
89	20.03	47	27.11	16	93.87	31															
90	57.29	48	90.11	17	92.05	32															
91	98.62	49	77.49			33	6														
92	236.39	50	65.52																		
93	18.83	51	39.12																		
94	144.30	52	67.28																		
95	19.23	53	35.91																		
96	279.73	54	22.12																		
97	438.61	55	35.50																		
98	7.61	56	88.94																		
99	118.15	57	67.52																		
100	98.43	58	29.02																		
101	15.75	59	36.76																		
102	239.25	60	39.14																		
103	78.62	61	72.29913																		
104	236.20	62	47.34289																		
105	57.82	63	85.23415																		
106	195.20	64	141.6303																		
107	90.23	65	116.0304																		
108	46.81	66	127.6792																		
109	586.15	67	100.3366																		
110	110.39	68	115.8904																		
111	74.15	69	42.79864																		
112	171.55	70	46.60951																		
113	390.93	71	48.36298																		
114	149.18	72	38.28699																		
115	73.05	73	51.29972																		
116	79.43	74	18.70941																		
117	58.16	75	57.82424																		
118	255.30																				

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA
TOTALS	5772.01	42	2804.72	15	1250.13	6	1	887.53	2	24.36	3	1	0

SIDEWALKS		PARCEL IMPACTS		Sub-Total + Contingency Cost (20%)		\$885,320
Pay Item	Description	Units	QTY	Unit cost	Cost	
6086004	Concrete Sidewalk, 4 IN.	SY	4,001.9	\$65.00	\$260,125.38	
6086007	Concrete Sidewalk, 7 IN.	SY	166.7	\$85.00	\$14,173.50	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	3,367.0	\$6.00	\$20,202.05	
	<b>SUB-TOTAL</b>				<b>\$294,500.93</b>	
CURB RAMPS		TCE Commercial		Removal of Improvements (10%)		\$88,540
Pay Item	Description	Units	QTY	Unit cost	Cost	
6081010	Concrete Curb Ramp	SY	311.6	\$500.00	\$155,817.80	
6081012	Truncated Domes	SF	441.0	\$29.00	\$12,789.00	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	311.6	\$6.00	\$1,869.81	
	<b>SUB-TOTAL</b>				<b>\$170,476.62</b>	
ISLAND CUT-THRUS		Construction Administration Cost (10%)		Traffic Control (10%)		\$88,540
Pay Item	Description	Units	QTY	Unit cost	Cost	
6086007	Concrete Sidewalk, 7 IN.	SY	138.9	\$85.00	\$11,806.80	
6081000	Concrete Median	SY	55.6	\$70.00	\$3,889.30	
6081012	Truncated Domes	SF	375.0	\$29.00	\$10,875.00	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	138.9	\$6.00	\$833.42	
	<b>SUB-TOTAL</b>				<b>\$27,404.52</b>	
PEDESTRIAN SIGNALS		TCE Commercial		Engineering Cost (12%)		\$127,490
Pay Item	Description	Units	QTY	Unit cost	Cost	
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	42	\$900.00	\$37,800.00	
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	33	\$38.00	\$1,254.00	
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	42	\$60.00	\$2,520.00	
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	15	\$900.00	\$13,500.00	
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	108	\$13.20	\$1,425.60	
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	2040	\$28.80	\$58,752.00	
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	42	\$850.00	\$35,700.00	
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	7320	\$1.35	\$9,882.00	
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	7650	\$1.68	\$12,852.00	
9028811	PULL BOX, PREFORMED CLASS 2	EA	9	\$2,000.00	\$18,000.00	
9029100	BASE, CONCRETE	CY	10.5	\$1,670.00	\$17,535.00	
9029902	4 FT. PED POST	EA	18	\$700.00	\$12,600.00	
	<b>SUB-TOTAL</b>				<b>\$221,820.60</b>	
DRIVEWAY/ENTRANCES		PSWE Commercial		PSWE Commercial Total: 19,037.59		
Pay Item	Description	Units	QTY	Unit cost	Cost	
6085008	Paved Approach, 8 IN.	SY	64,099.4	\$95.00	\$6,089.44	
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	17,722.9	\$92.00	\$1,814.51	
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	28,741.2	\$80.00	\$2,299.29	
4030009	Bituminous Pavement Mix, PG76-22 (SP95B5N)	TON	28,297.4	\$132.00	\$3,735.26	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	98,614.4	\$6.00	\$591.69	
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	35	\$20.00	\$700.00	
	<b>SUB-TOTAL</b>				<b>\$15,230.19</b>	
CURB REPLACEMENTS		PSWE Commercial		PSWE Commercial Total: 33,234.93		
Pay Item	Description	Units	QTY	Unit cost	Cost	
6091052	Curb & Gutter, Type B	LF	17.1	\$35.00	\$596.82	
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	7.3	\$20.00	\$146.16	
	<b>SUB-TOTAL</b>				<b>\$742.98</b>	
SIGN LOCATIONS		PSWE Commercial		PSWE Commercial Total: 33,234.93		
Pay Item	Description	Units	QTY	Unit cost	Cost	
9035069A	SHF-Flat Sheet Fluorescent	SF	20.8	\$38.00	\$790.02	
9031220	Pipe Post	LBS	352.5	\$6.00	\$2,114.82	
9031010	Concrete Footing	CY	0.4	\$1,750.00	\$682.50	
	<b>SUB-TOTAL</b>				<b>\$3,587.34</b>	

<b>UTILITY RELOCATIONS</b>					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	1	\$2,500.00	\$2,500.00
<b>SUB-TOTAL</b>				<b>\$2,500.00</b>	
<b>DRAINAGE RELOCATIONS</b>					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00
<b>SUB-TOTAL</b>				<b>\$0.00</b>	
<b>MISC. RELOCATIONS</b>					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$7,500.00	\$0.00
	Crosswalk painting	EA	2	\$750.00	\$1,500.00
<b>SUB-TOTAL</b>				<b>\$1,500.00</b>	



BEGIN POINT Twin Chimneys  
END POINT Twin Chimneys

SIDEWALK		CURB RAMPS		ISLAND/CUT-THRU'S		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES	
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA
2	154.71	1	61.43																		
3	51.34																				
4	577.90																				
5	559.67																				
<b>TOTALS</b>		1343.61	1	61.43	0	0.00		0	0.00	0	0	0	0	0	0	0	0	0	0	0	0

SIDEWALKS		No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.
Pay Item	Description	Units	QTY	Unit cost	Cost									
6086004	Concrete Sidewalk, 4 IN.	SY	752.4	\$65.00	\$48,907.36									
6086007	Concrete Sidewalk, 7 IN.	SY	31.4	\$85.00	\$2,664.82									
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	783.8	\$6.00	\$4,702.63									
						<b>SUB-TOTAL</b>								
<b>CURB RAMPS</b>														
Pay Item	Description	Units	QTY	Unit cost	Cost									
6081010	Concrete Curb Ramp	SY	6.8	\$500.00	\$3,412.78									
6081012	Truncated Domes	SF	10.5	\$29.00	\$304.50									
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	6.8	\$6.00	\$40.95									
						<b>SUB-TOTAL</b>								

ISLAND CUT-THRUS		Units	QTY	Unit cost	Cost									
Pay Item	Description	Units	QTY	Unit cost	Cost									
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00									
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00									
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00									
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00									
						<b>SUB-TOTAL</b>								

PEDESTRIAN SIGNALS		Units	QTY	Unit cost	Cost									
Pay Item	Description	Units	QTY	Unit cost	Cost									
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	0	\$900.00	\$0.00									
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	0	\$38.00	\$0.00									
9020834	SIGNAL SIGN MOUNTING HARDWARE	EA	0	\$60.00	\$0.00									
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	0	\$900.00	\$0.00									
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	0	\$13.20	\$0.00									
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	0	\$28.80	\$0.00									
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	0	\$850.00	\$0.00									
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	0	\$1.35	\$0.00									
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	0	\$1.68	\$0.00									
9028811	PULL BOX, PREFORMED CLASS 2	EA	0	\$2,000.00	\$0.00									
9029100	BASE, CONCRETE	CY	0	\$1,670.00	\$0.00									
9029902	4 FT. PED POST	EA	0	\$700.00	\$0.00									
						<b>SUB-TOTAL</b>								

DRIVEWAY/ENTRANCES		Units	QTY	Unit cost	Cost									
Pay Item	Description	Units	QTY	Unit cost	Cost									
6085008	Paved Approach, 8 IN.	SY	0	\$95.00	\$0.00									
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	0	\$92.00	\$0.00									
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	0	\$80.00	\$0.00									
4030009	Bituminous Pavement Mix, PG76-22 (SP95BSMv)	TON	0	\$132.00	\$0.00									
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0	\$6.00	\$0.00									
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0	\$20.00	\$0.00									
						<b>SUB-TOTAL</b>								

CURB REPLACEMENTS		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	0.0	\$35.00	\$0.00
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	0.0	\$20.00	\$0.00

SIGN RELOCATIONS		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SHF-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

UTILITY RELOCATIONS		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

DRAINAGE RELocations		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

MISC. RELOCATIONS		Units	QTY	Unit cost	Cost
Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	0	\$7,500.00	\$0.00



Route #: 37B  
Name: I-70 OR

BEGIN POINT Bryan  
END POINT RTE K

SIDEWALK		CURB RAMPS		ISLAND/CUT-THRUS		PEDESTRIAN SIGNALS		DRIVEWAY APPROACHES		CURB REPLACEMENT		SIGN RELOCATIONS		UTILITY RELOCATION		DRAINAGE RELOCATION		MISC. RELOCATION		MISC. NOTES		
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	
10	275.98	5	35.01	3	42.59	4	1	24	785.13	1	32.70	23	1								1	Crosswalk painting needed
11	174.46	6	364.17							2	48.90											
12	178.64	7	331.75																			
13	176.18	8	453.78																			
14	32.37	9	97.52																			
15	341.84																					
16	304.11																					
17	93.43																					
18	619.05																					
19	410.72																					
20	351.84																					
21	81.20																					
22	105.65																					

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE	MISC.	
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA	EA	
TOTALS	3145.48	5	1282.23	1	42.59	1	1	785.13	2	81.60	1	0	0	1

SIDEWALKS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6086004	Concrete Sidewalk, 4 IN.	SY	1,761.5	\$65.00	\$114,495.43	
6086007	Concrete Sidewalk, 7 IN.	SY	73.4	\$85.00	\$6,238.53	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	1,834.9	\$6.00	\$11,009.18	

CURB RAMPS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6081010	Concrete Curb Ramp	SY	142.5	\$500.00	\$71,235.00	
6081012	Truncated Domes	SF	52.5	\$29.00	\$1,522.50	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	142.5	\$6.00	\$854.82	

SUB-TOTAL						
Pay Item	Description	Units	QTY	Unit cost	Cost	

ISLAND CUT-THRUS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6086007	Concrete Sidewalk, 7 IN.	SY	4.7	\$85.00	\$402.24	
6081000	Concrete Median	SY	1.9	\$70.00	\$132.50	
6081012	Truncated Domes	SF	25.0	\$29.00	\$725.00	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	4.7	\$6.00	\$28.39	

SUB-TOTAL						
Pay Item	Description	Units	QTY	Unit cost	Cost	

PEDESTRIAN SIGNALS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
9020811	SIGNAL HEAD, TYPE 15, PEDESTRIAN	EA	7	\$900.00	\$6,300.00	
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	5.5	\$38.00	\$209.00	
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	7	\$60.00	\$420.00	
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	2.5	\$900.00	\$2,250.00	
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	18	\$13.20	\$237.60	
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	340	\$28.80	\$9,792.00	
9024921	ACCESSIBLE PEDESTRIAN SIGNAL	EA	7	\$850.00	\$5,950.00	
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1220	\$1.35	\$1,647.00	
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	1275	\$1.68	\$2,142.00	
9028811	PULL BOX, PREFORMED CLASS 2	EA	1.5	\$2,000.00	\$3,000.00	
9029100	BASE, CONCRETE	CY	1.75	\$1,670.00	\$2,922.50	
9029902	4 FT. PED POST	EA	3	\$700.00	\$2,100.00	

SUB-TOTAL						
Pay Item	Description	Units	QTY	Unit cost	Cost	

DRIVEWAY/ENTRANCES						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6085008	Paved Approach, 8 IN.	SY	56,703.8	\$95.00	\$5,386.86	
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced)	SY	17,447.3	\$92.00	\$1,605.15	
4013000	Bituminous Pavement Mix PG64-22 (Base)	TON	25,425.1	\$80.00	\$2,034.01	
4030009	Bituminous Pavement Mix PG76-22 (SP95B5N)	TON	25,032.6	\$132.00	\$3,304.30	
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	87,236.7	\$6.00	\$523.42	
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	35	\$20.00	\$700.00	

SUB-TOTAL						
Pay Item	Description	Units	QTY	Unit cost	Cost	

CURB REPLACEMENTS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
6091052	Curb & Gutter, Type B	LF	57.1	\$35.00	\$1,999.19	
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	24.5	\$20.00	\$489.60	

SUB-TOTAL						
Pay Item	Description	Units	QTY	Unit cost	Cost	

SIGN RELOCATIONS						
Pay Item	Description	Units	QTY	Unit cost	Cost	
9035069A	SHF-Flat Sheet Fluorescent	SF	6.9	\$38.00	\$263.34	
9031220	Pipe Post	LBS	117.5	\$6.00	\$704.94	
9031010	Concrete Footing	CY	0.1	\$1,750.00	\$227.50	

SUB-TOTAL						
Pay Item	Description	Units	QTY	Unit cost	Cost	

UTILITY RELOCATIONS						
Pay Item	Description	Units	QTY	Unit cost	Cost	

DRAINAGE RELOCATIONS				
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Route #: 40  
Name: MO 100

BEGIN POINT Prather Ave  
END POINT Mitchell Ave

SIDEWALK	CURB RAMPS	ISLAND/CUT-THRUS	PEDESTRIAN SIGNALS	DRIVEWAY APPROACHES	CURB REPLACEMENT	SIGN RELOCATIONS	UTILITY RELOCATION	DRAINAGE RELOCATION	MISC. RELOCATION	MISC. NOTES									
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA
55	9.45	33	24.89	18	135.93	24			1	12.06741		60	1	12	1	22	1	- Trip hazard, 22 - traffic signal floor box, 60-in sidewalk trip hazard	
56	14.86	34	20.31	19	170.85	25	1		2	12.09297				13	1	23	1	13 - Trip hazard, 23 - traffic signal floor box	
57	48.33	35	27.36	20	81.84	26			3	18.84911				14	1	60	1	14 - In passageway, 60 - Utility in walkway minor trip hazard	
58	35.79	36	25.95	21	318.30	27			4	22.13646				15	1				
59	249.57	37	21.32		28				5	36.87915				16	1			16 - In walkway of sidewalk	
		38	28.47		29	2			6	20.43906				17	1			17 - In passageway making for uneven ground and cracks	
		39	29.25		30				7	9.699331									
		40	12.09		31	3			8	30.03452									
		41	16.03		32				9	22.81544									
		42	21.61						10	69.0888									
		43	11.57						11	76.03161									
		44	17.35																
		45	53.96																
		46	41.24																
		47	17.90																
		48	15.53																
		49	484.78																
		50	23.54																
		51	30.75																
		52	15.72																
		53	45.47																
		54	95.77																
		61	21.41																
		62	33.04																

SIDEWALK	No.	RAMPS	No.	CUT-THRU	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY	DRAINAGE		
LF	EA	SF	EA	SF	EA	EA	SF	EA	LF	EA	EA	EA		
TOTALS	358.01	24	1135.31	4	706.92	3	0	0.00	11	330.1339	0	1	6	3

SIDEWALKS				PARCEL IMPACTS				Sub-Total + Contingency Cost (20%)			
Pay Item				TCE Commercial				\$362,240			
6086004 Concrete Sidewalk, 4 IN.				Removal of Improvements (10%)				\$36,230			
6086007 Concrete Sidewalk, 7 IN.				Traffic Control (10%)				\$36,230			
3040504 Type 5 Aggregate for base (4 IN. Thick)				Engineering Cost (12%)				\$52,170			
				Construction Administration Cost (10%)				\$43,470			
				MO 100 Route #: 40							
				Total Cost Estimate: \$530,340							

CURB RAMPS				PARCEL IMPACTS			
Pay Item				TCE Commercial			
6081010 Concrete Curb Ramp				Sub-Total + Contingency Cost (20%)			
6081012 Truncated Domes				\$2,112.41			
3040504 Type 5 Aggregate for base (4 IN. Thick)				PSWE Commercial			
				PSWE Commercial Total: 2,112.41			
				PSWE Commercial			
				1  C PSWE 1569.1			
				2  C PSWE 200			
				3  C PSWE 4000			
				4  C PSWE 460.68			
				PSWE Commercial Total: 6,229.78			

ISLAND CUT-THRUS				PEDESTRIAN SIGNALS			
Pay Item				Units QTY Unit cost Cost			
6086007 Concrete Sidewalk, 7 IN.				SY 78.5 \$85.00 \$6,676.46			
6081000 Concrete Median				SY 31.4 \$70.00 \$2,199.31			
6081012 Truncated Domes				SF 100.0 \$29.00 \$2,900.00			
3040504 Type 5 Aggregate for base (4 IN. Thick)				SY 78.5 \$6.00 \$471.28			
				SUB-TOTAL \$12,247.05			

PEDESTRIAN SIGNALS				DRIVEWAY/ENTRANCES			
Pay Item				Description Units QTY Unit cost Cost			
9020811 SIGNAL HEAD, TYPE 1S, PEDESTRIAN				EA 21 \$900.00 \$18,900.00			
9020833 SH-FLAT SHEET - SIGNAL SIGN				SF 0.0 \$38.00 \$0.00			
9020834 SIGNAL SIGN, MOUNTING HARDWARE				EA 21 \$60.00 \$1,260.00			
9022708 POST, SIGNAL 8 FT. OR 2.4 M				EA 7.5 \$900.00 \$6,750.00			
9025300 CONDUIT, 3 IN., TRENCH WITH TRACER WIRE				LF 54 \$13.20 \$712.80			
9027300 CONDUIT, 3 IN., PUSHED WITH TRACER WIRE				LF 1020 \$28.80 \$29,376.00			
9024921 ACCESSIBLE PEDESTRIAN SIGNAL				EA 21 \$850.00 \$17,850.00			
9028308 CABLE, 16 AWG 2 CONDUCTOR				LF 3660 \$1.35 \$4,941.00			
9028310 CABLE, 16 AWG 5 CONDUCTOR				LF 3825 \$1.68 \$6,426.00			
9028811 PULL BOX, PREFORMED CLASS 2				EA 4.5 \$2,000.00 \$9,000.00			
9029100 BASE, CONCRETE				CY 5.25 \$1,670.00 \$8,767.50			
9029902 4 FT. PED POST				EA 9 \$700.00 \$6,300.00			
				SUB-TOTAL \$110,910.30			

CURB REPLACEMENTS				SIGN RELOCATIONS			
Pay Item				Description Units QTY Unit cost Cost			
6091052 Curb & Gutter, Type B				LF 231.1 \$35.00 \$8,088.28			
6092011 Integral Curb (6 IN. Ht. & Under) Type A				LF 99.0 \$20.00 \$1,980.80			
				SUB-TOTAL \$10,069.08			

SIGN RELOCATIONS				UTILITY RELOCATIONS			
Pay Item				Description Units QTY Unit cost Cost			
9035069A SHF-Flat Sheet Fluorescent				SF 0.0 \$38.00 \$0.00			
9031220 Pipe Post				LBS 0.0 \$6.00 \$0.00			
9031010 Concrete Footing				CY 0.0 \$1,750.00 \$0.00			
				SUB-TOTAL \$0.00			

Route #: 41  
Name: I-70

BEGIN POINT Carr  
END POINT MLK Bridge

SIDEWALK												MISC.											
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA	Item #	EA	MISC. NOTES	
17	734.70	9	36.77			5	1			1	164.54							3	1			3-vertical displacement trip hazard	
18	317.91	10	40.76			6				2	44.03								4	1			4- traffic signal box broken, trip hazard
19	248.26	11	31.93			7	2							25	1								25-Light pole blocks sidewalk
20	55.87	12	54.09			8								26	1								26-Light pole blocks sidewalk
21	60.80	13	37.66											27	1								27-Light pole blocks sidewalk
22	262.10	14	32.71											28	1								28-Light pole blocks sidewalk
23	738.30	15	12.89											29	1								29-Light pole blocks sidewalk
24	325.44	16	19.71											30	1								30-Light pole blocks sidewalk
SIDEWALK												MISC.											
TOTALS	LF	EA	SF	EA	SF	PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS	UTILITY		DRAINAGE		MISC.							
	2743.38	8	266.52	0	0.00		2		0	0.00		EA	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA

SIDEWALKS							PARCEL IMPACTS							Sub-Total + Contingency Cost (20%)						
Pay Item Description							TCE Commercial							Removal of Improvements (10%)						
6086004 Concrete Sidewalk, 4 IN.							Parcel # Com-Res Type Area (SF)							Traffic Control (10%)						
6086007 Concrete Sidewalk, 7 IN.							1 C TCE 1045.39							Engineering Cost (12%)						
3040504 Type 5 Aggregate for base (4 IN. Thick)							TCE Commercial Total: 1,045.39							Construction Administration Cost (10%)						
SUB-TOTAL							PSWE Commercial							I-70 Route #: 41						
							1 C PSWE 3637.97							Total Cost Estimate: \$487,750						

CURB RAMPS						
Pay Item Description						

Pay Item Description						
6081010 Concrete Curb Ramp		Units	QTY	Unit cost	Cost	
6081012 Truncated Domes		SF	84.0	\$29.00	\$2,436.00	
3040504 Type 5 Aggregate for base (4 IN. Thick)		SY	29.6	\$6.00	\$177.68	
SUB-TOTAL						

ISLAND CUT-THRU'S						
Pay Item Description		Units	QTY	Unit cost	Cost	
6086007 Concrete Sidewalk, 7 IN.		SY	0.0	\$85.00	\$0.00	
6081000 Concrete Median		SY	0.0	\$70.00	\$0.00	
6081012 Truncated Domes		SF	0.0	\$29.00	\$0.00	
3040504 Type 5 Aggregate for base (4 IN. Thick)		SY	0.0	\$6.00	\$0.00	
SUB-TOTAL						

PEDESTRIAN SIGNALS						
Pay Item Description		Units	QTY	Unit cost	Cost	
9020811 SIGNAL HEAD, TYPE 1S, PEDESTRIAN		EA	14	\$900.00	\$12,600.00	
9020833 SH-FLAT SHEET - SIGNAL SIGN		EA	11	\$38.00	\$418.00	
9020834 SIGNAL SIGN, MOUNTING HARDWARE		EA	14	\$60.00	\$840.00	
9022708 POST, SIGNAL 8 FT. OR 2.4 M		EA	5	\$900.00	\$4,500.00	
9025300 CONDUIT, 3 IN., TRENCH WITH TRACER WIRE		LF	36	\$13.20	\$475.20	
9027300 CONDUIT, 3 IN., PUSHED WITH TRACER WIRE		LF	680	\$28.80	\$19,584.00	
9024921 ACCESSIBLE PEDESTRIAN SIGNAL		EA	14	\$850.00	\$11,900.00	
9028308 CABLE, 16 AWG 2 CONDUCTOR		LF	2440	\$13.5	\$32,944.00	
9028310 CABLE, 16 AWG 5 CONDUCTOR		LF	2550	\$1.68	\$4,284.00	
9028811 PULL BOX, PREFORMED CLASS 2		EA	3	\$2,000.00	\$6,000.00	
9029100 BASE, CONCRETE		CY	3.5	\$1,670.00	\$5,845.00	
9029902 4 FT. PED POST		EA	6	\$700.00	\$4,200.00	
SUB-TOTAL						

DRIVEWAY/ENTRANCES						
Pay Item Description		Units	QTY	Unit cost	Cost	
6085008 Paved Approach, 8 IN.		SY	0	\$95.00	\$0.00	
5021331 Concrete Pavement (7-1/2 IN. Non-Reinforced		SY	0	\$92.00	\$0.00	
4013000 Bituminous Pavement Mix, PG64-22 (Base)		TON	0	\$80.00	\$0.00	
4030009 Bituminous Pavement Mix, PG76-22 (SP95BSM)		TON	0	\$132.00	\$0.00	
3040504 Type 5 Aggregate for base (4 IN. Thick)		SY	0	\$6.00	\$0.00	
6092011 Integral Curb (6 IN. Ht. & Under) Type A		LF	0	\$20.00	\$0.00	
SUB-TOTAL						

CURB REPLACEMENTS						
Pay Item Description		Units	QTY	Unit cost	Cost	
6091052 Curb & Gutter, Type B		LF	146.0	\$35.00	\$5,109.97	
6092011 Integral Curb (6 IN. Ht. & Under) Type A		LF	62.6	\$20.00	\$1,251.42	
SUB-TOTAL						

SIGN RELOCATIONS						
Pay Item Description		Units	QTY	Unit cost	Cost	
9035069A SHF-Flat Sheet Fluorescent		SF	0.0	\$38.00	\$0.00	
9031220 Pipe Post		LBS	0.0	\$6.00	\$0.00	
9031010 Concrete Footing		CY	0.0	\$1,750.00	\$0.00	
SUB-TOTAL						

UTILITY RELOCATIONS						
Pay Item Description		Units	QTY	Unit cost	Cost	
Utility Relocation		EA	6	\$10,000.00	\$60,000.00	
SUB-TOTAL						

DRAINAGE RELocations						
Pay Item Description		Units	QTY	Unit cost	Cost	
Drainage Relocation		EA	0	\$2,500.00	\$0.00	
SUB-TOTAL						

MISC. RELOCATIONS						
Pay Item Description		Units	QTY	Unit cost	Cost	
Misc. Relocation		EA	2	\$2,500.00	\$5,000.00	
SUB-TOTAL						

Route #: 42  
Name: I-70

BEGIN POINT Union  
END POINT Kingshighway

SIDEWALK										MISC.									
Item #	Length (LF)	Item #	Area (SF)	Item #	Area (SF)	Item #	EA	Item #	Area (SF)	Item #	Length (LF)	Item #	EA	Item #	EA	Item #	EA	Item #	EA
26	143.52	16	75.50			13		1	202.70	1	6.63					12	1	lan signals show up on map but not in ADA Mapping Data / 12-m	
27	85.68	17	53.57			14		2	204.03	2	15.63					4	1	4-11 are cross walk marking issues	
28	748.42	18	39.97			15		3	317.02	3	10.48					5	1		
		19	24.48					4	96.41							6	1		
		20	12.75					5	316.46							7	1		
		21	16.39					6	165.36							8	1		
		22	40.54					7	763.02							9	1		
		23	74.72					8	156.41							10	1		
		24	38.99													11	1		
		25	19.12																
SIDEWALK		No.	RAMPS	No.	CUT-THRU		PED SIG	No.	DRIVEWAY	No.	CURBS	SIGNS		UTILITY		DRAINAGE	MISC.		
TOTALS		LF	EA	SF	EA	SF	EA	EA	EA	SF	EA	EA	EA	EA	EA	EA	EA	EA	EA
		977.61	10	396.02	0	0.00		1	8	2,221.41	3	32.73							9

SIDEWALKS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086004	Concrete Sidewalk, 4 IN.	SY	54.75	\$65.00	\$35,584.95
6086007	Concrete Sidewalk, 7 IN.	SY	22.8	\$85.00	\$1,938.92
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	570.3	\$6.00	\$3,421.63

PARCEL IMPACTS			
Parcel #	Com-Res	Type	Area (SF)
1	C	TCE	62
2	C	TCE	25.84
TCE Commercial Total:		87.84	I-70      Route #: 42
PSWE Commercial			Total Cost Estimate: \$271,790
1	C	PSWE	26.56
PSWE Commercial Total		26.56	

CURB RAMPS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6081010	Concrete Curb Ramp	SY	44.0	\$500.00	\$22,000.04
6081012	Truncated Domes	SF	105.0	\$29.00	\$3,045.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	44.0	\$6.00	\$264.01

ISLAND CUT-THRUS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6086007	Concrete Sidewalk, 7 IN.	SY	0.0	\$85.00	\$0.00
6081000	Concrete Median	SY	0.0	\$70.00	\$0.00
6081012	Truncated Domes	SF	0.0	\$29.00	\$0.00
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	0.0	\$6.00	\$0.00

PEDESTRIAN SIGNALS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	7	\$900.00	\$6,300.00
9020833	SH-FLAT SHEET - SIGNAL SIGN	EA	5.5	\$38.00	\$209.00
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	7	\$60.00	\$420.00
9022708	POST, SIGNAL 8 FT. OR 2.4 M	EA	2.5	\$900.00	\$2,250.00
9025300	CONDUIT, 3 IN., TRENCH WITH TRACER WIRE	LF	18	\$13.20	\$237.60
9027300	CONDUIT, 3 IN., PUSHED WITH TRACER WIRE	LF	340	\$28.80	\$9,792.00
9029421	ACCESSIBLE PEDESTRIAN SIGNAL	EA	7	\$850.00	\$5,950.00
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	1220	\$1.35	\$1,647.00
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	1275	\$1.68	\$2,142.00
9028811	PULL BOX, PREFORMED CLASS 2	EA	1.5	\$2,000.00	\$3,000.00
9029100	BASE, CONCRETE	CY	1.75	\$1,670.00	\$2,922.50
9029902	4 FT. PED POST	EA	3	\$700.00	\$2,100.00

DRIVEWAY/ENTRANCES					
Pay Item	Description	Units	QTY	Unit cost	Cost
6085008	Paved Approach, 8 IN.	SY	160.435	\$95.00	\$15,241.32
5021331	Concrete Pavement (7-1/2 IN. Non-Reinforced	SY	49.3646	\$92.00	\$4,541.54
4013000	Bituminous Pavement Mix, PG64-22 (Base)	TON	71.9366	\$80.00	\$5,754.92
4030009	Bituminous Pavement Mix, PG76-22 (SP95B5N)	TON	70.8259	\$132.00	\$9,349.01
3040504	Type 5 Aggregate for base (4 IN. Thick)	SY	246.823	\$6.00	\$1,480.94
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	280	\$20.00	\$5,600.00

CURB REPLACEMENTS					
Pay Item	Description	Units	QTY	Unit cost	Cost
6091052	Curb & Gutter, Type B	LF	22.9	\$35.00	\$801.93
6092011	Integral Curb (6 IN. Ht. & Under) Type A	LF	9.8	\$20.00	\$196.39

SIGN RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
9035069A	SH-Flat Sheet Fluorescent	SF	0.0	\$38.00	\$0.00
9031220	Pipe Post	LBS	0.0	\$6.00	\$0.00
9031010	Concrete Footing	CY	0.0	\$1,750.00	\$0.00

UTILITY RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Utility Relocation	EA	0	\$15,000.00	\$0.00

DRAINAGE RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Drainage Relocation	EA	0	\$2,500.00	\$0.00

MISC. RELOCATIONS					
Pay Item	Description	Units	QTY	Unit cost	Cost
	Misc. Relocation	EA	1	\$2,500.00	\$2,500.00
	Intersection crosswalk paint	EA	8	\$750.00	\$6,000.00

SUB-TOTAL					
					\$8,500.00