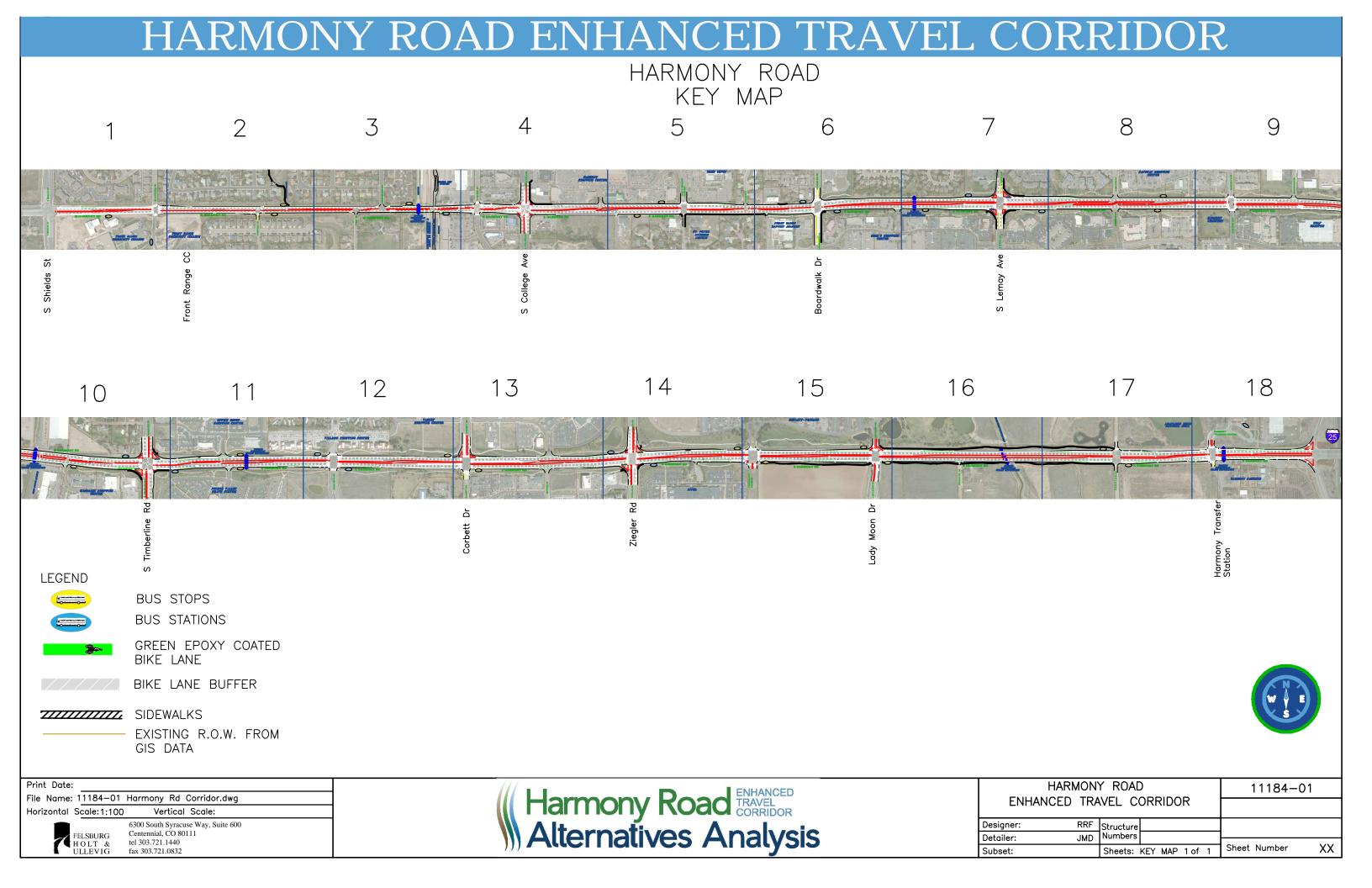
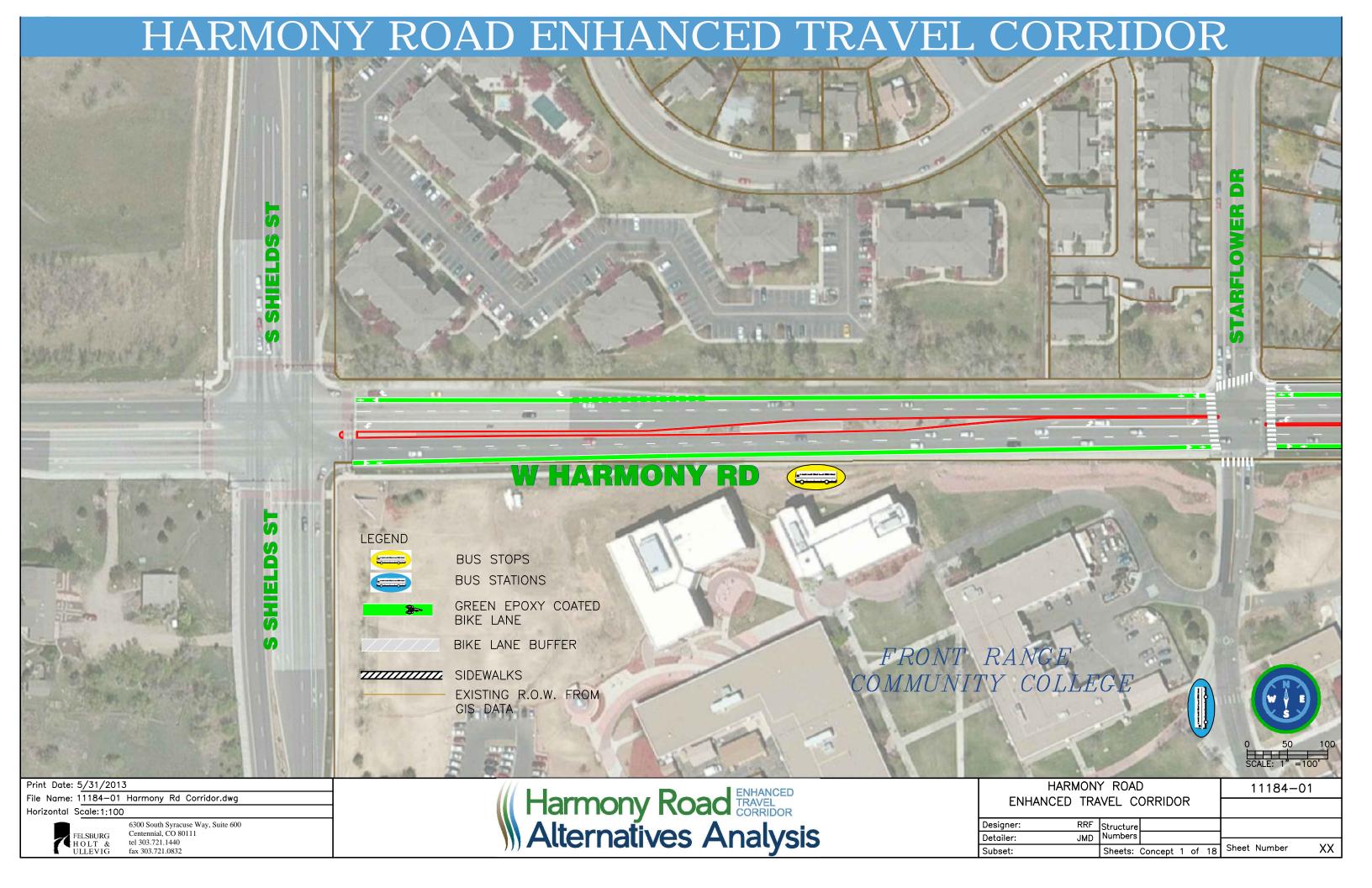
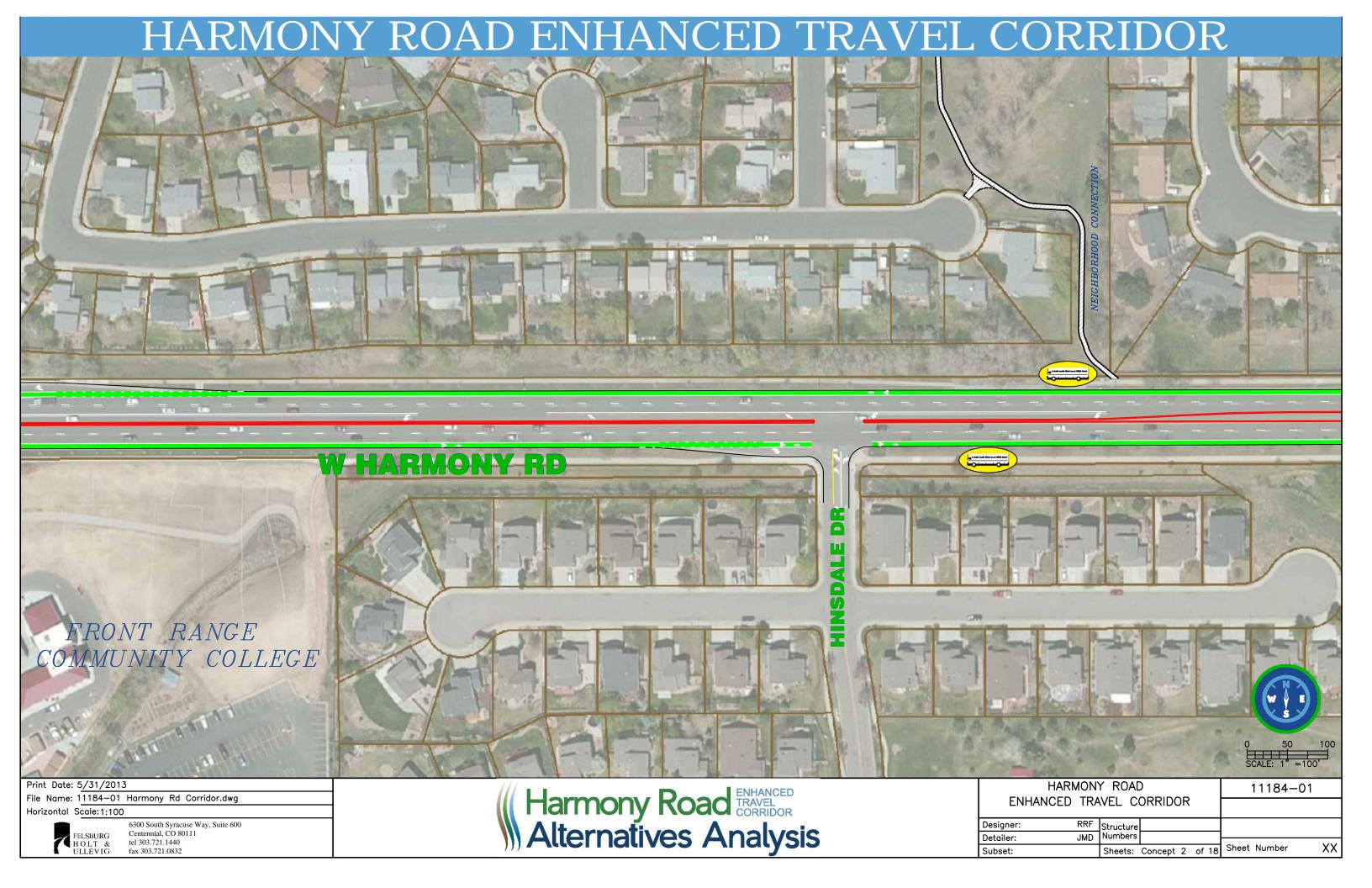
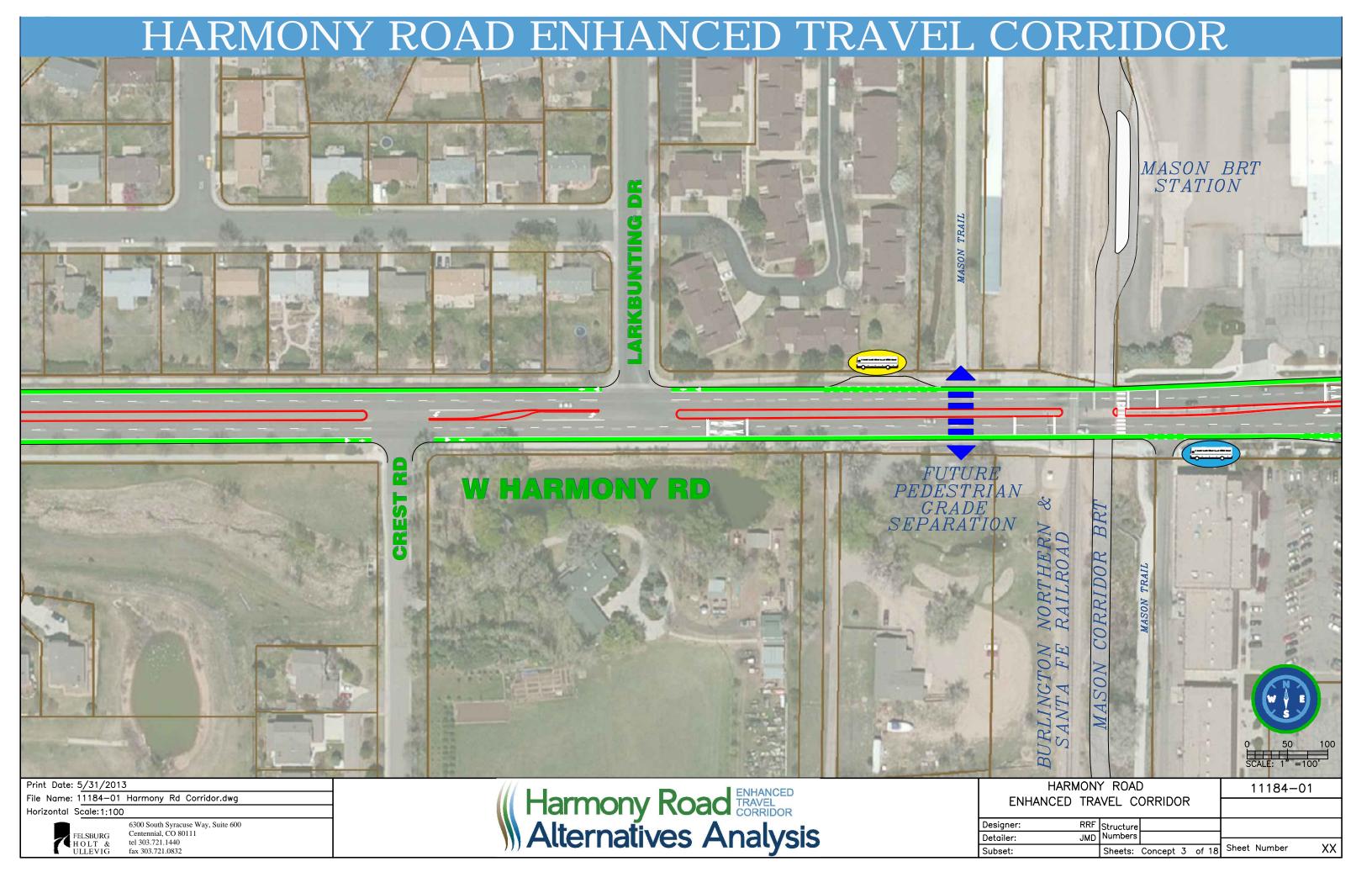


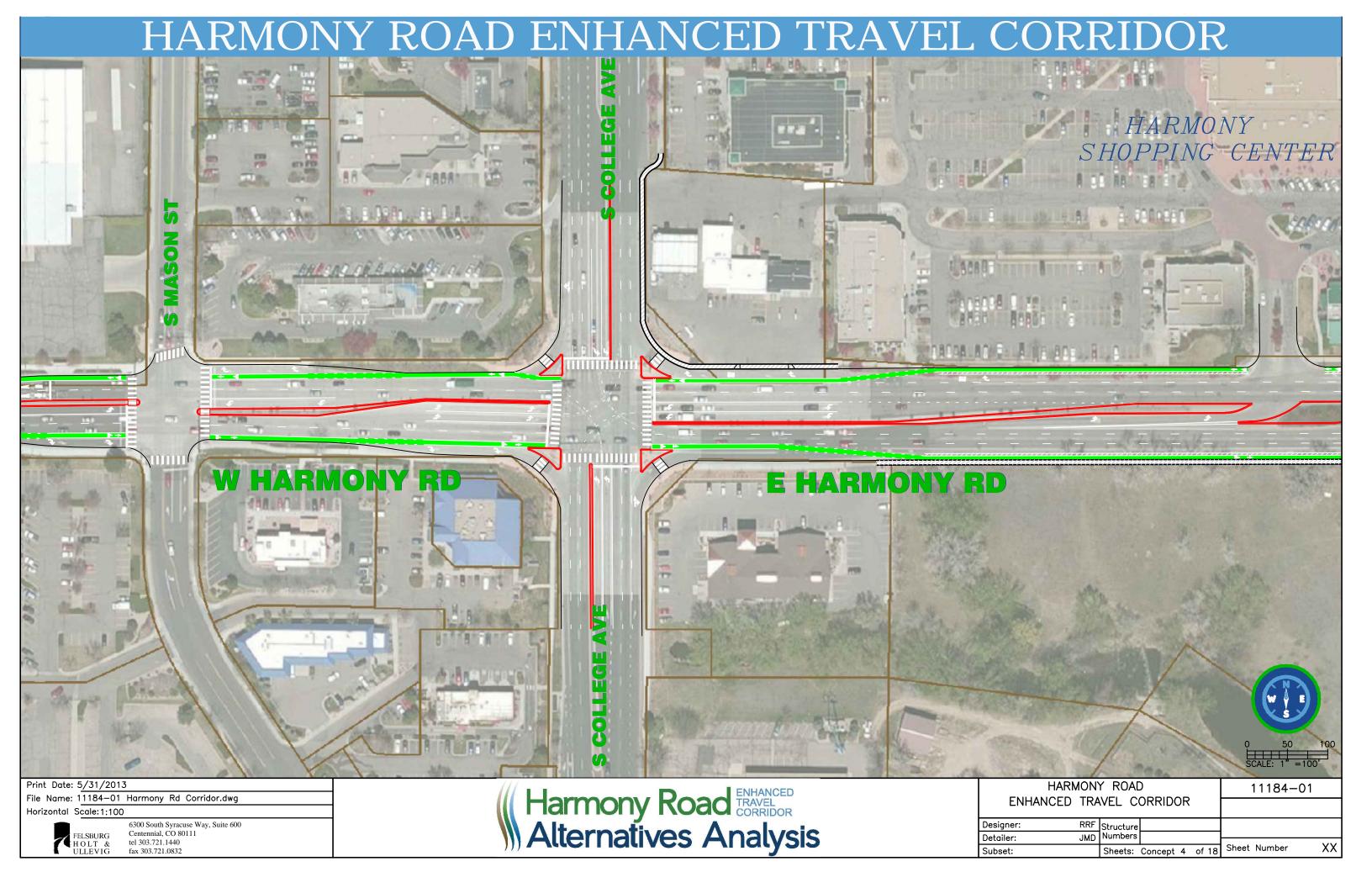
Appendix H LPA Conceptual Plans and Cost Estimates

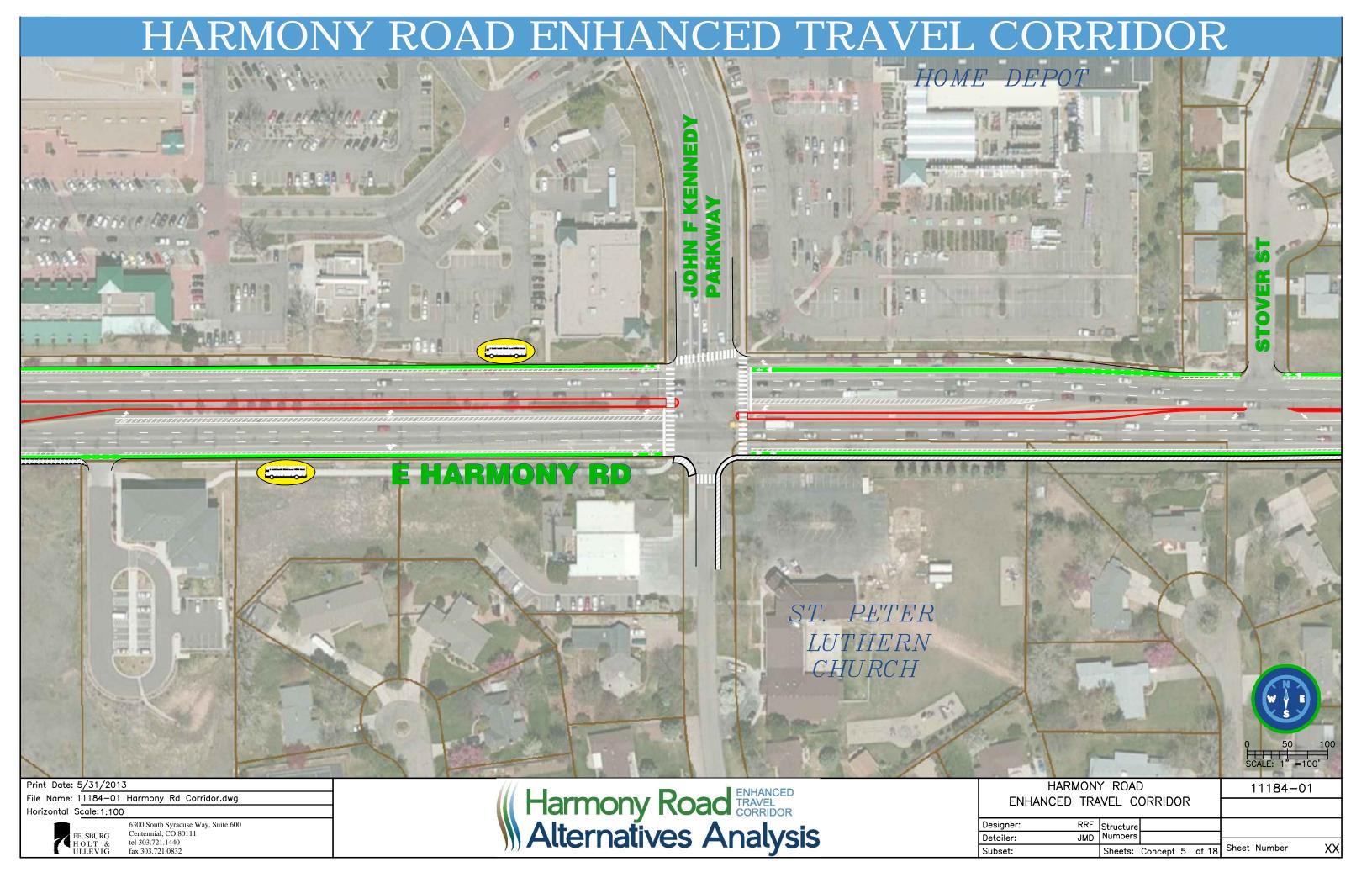


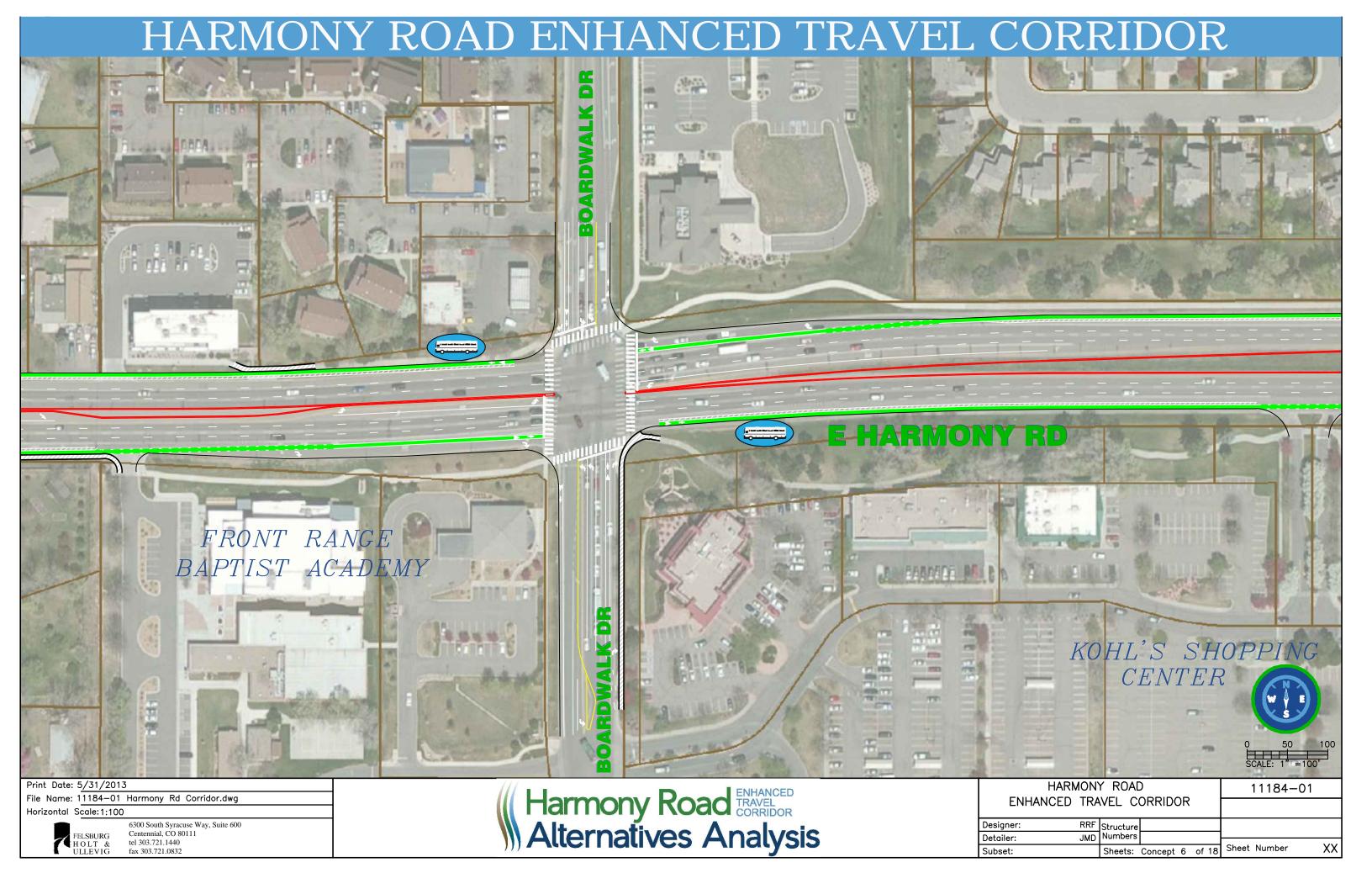


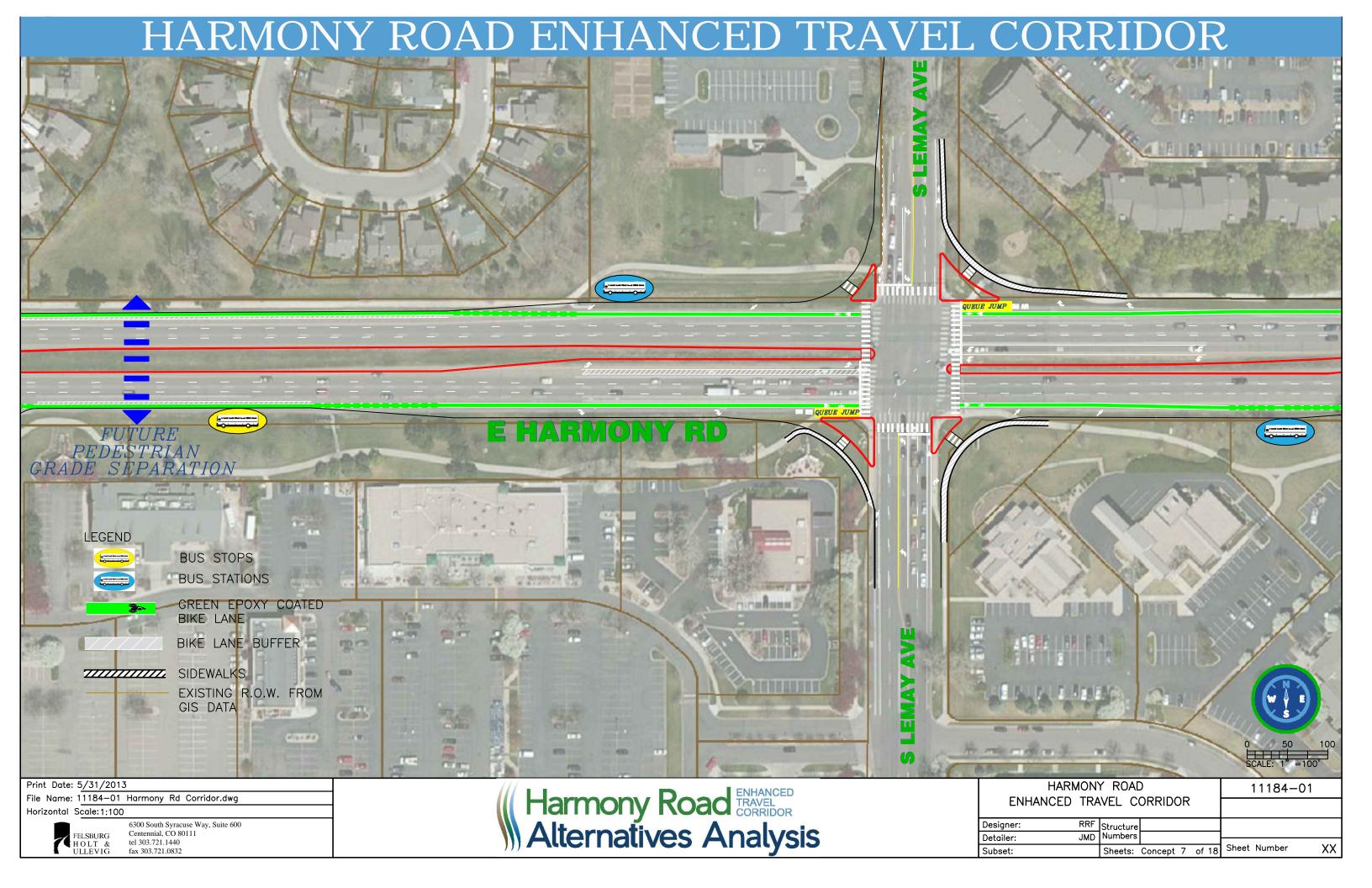


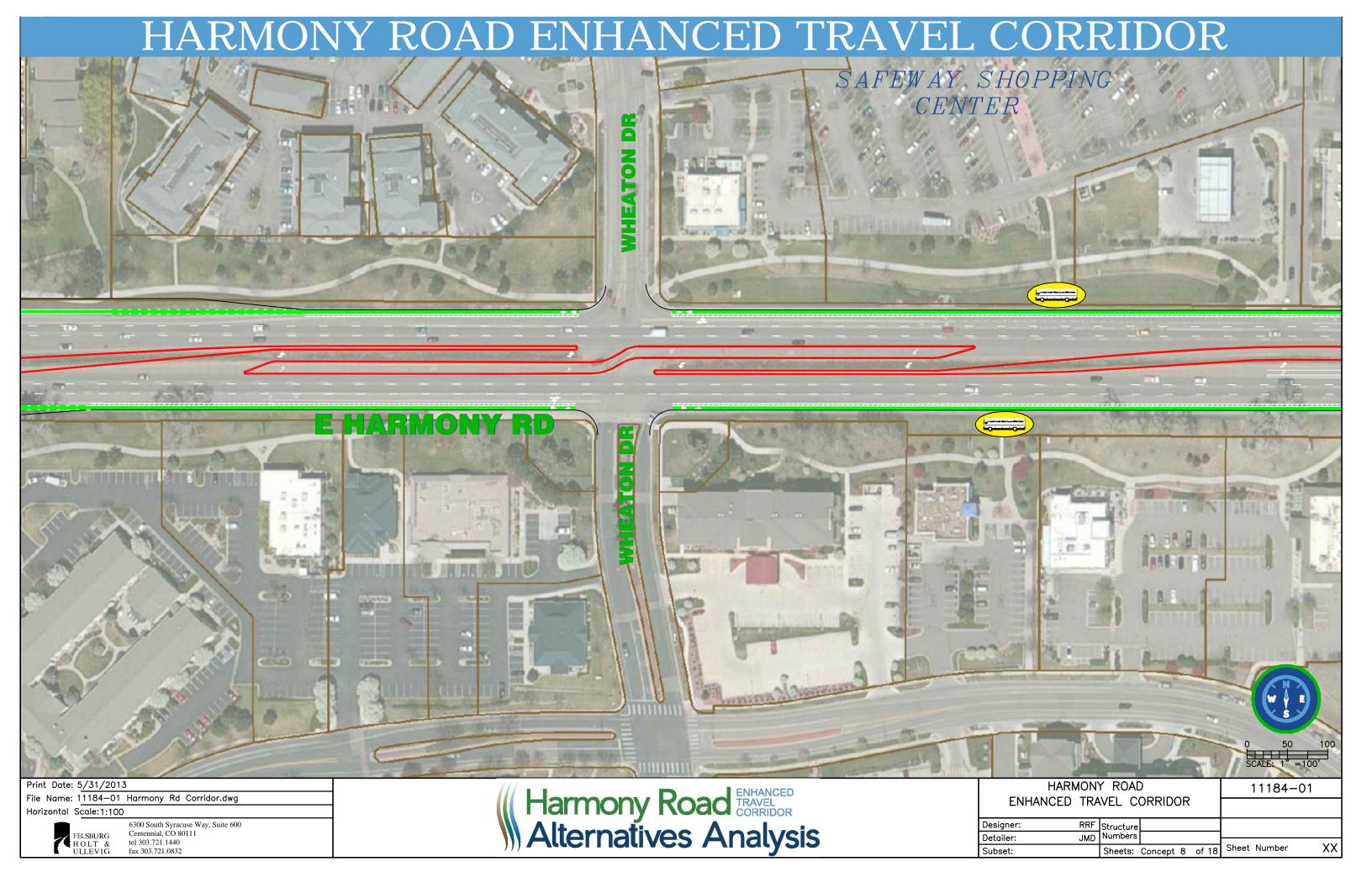


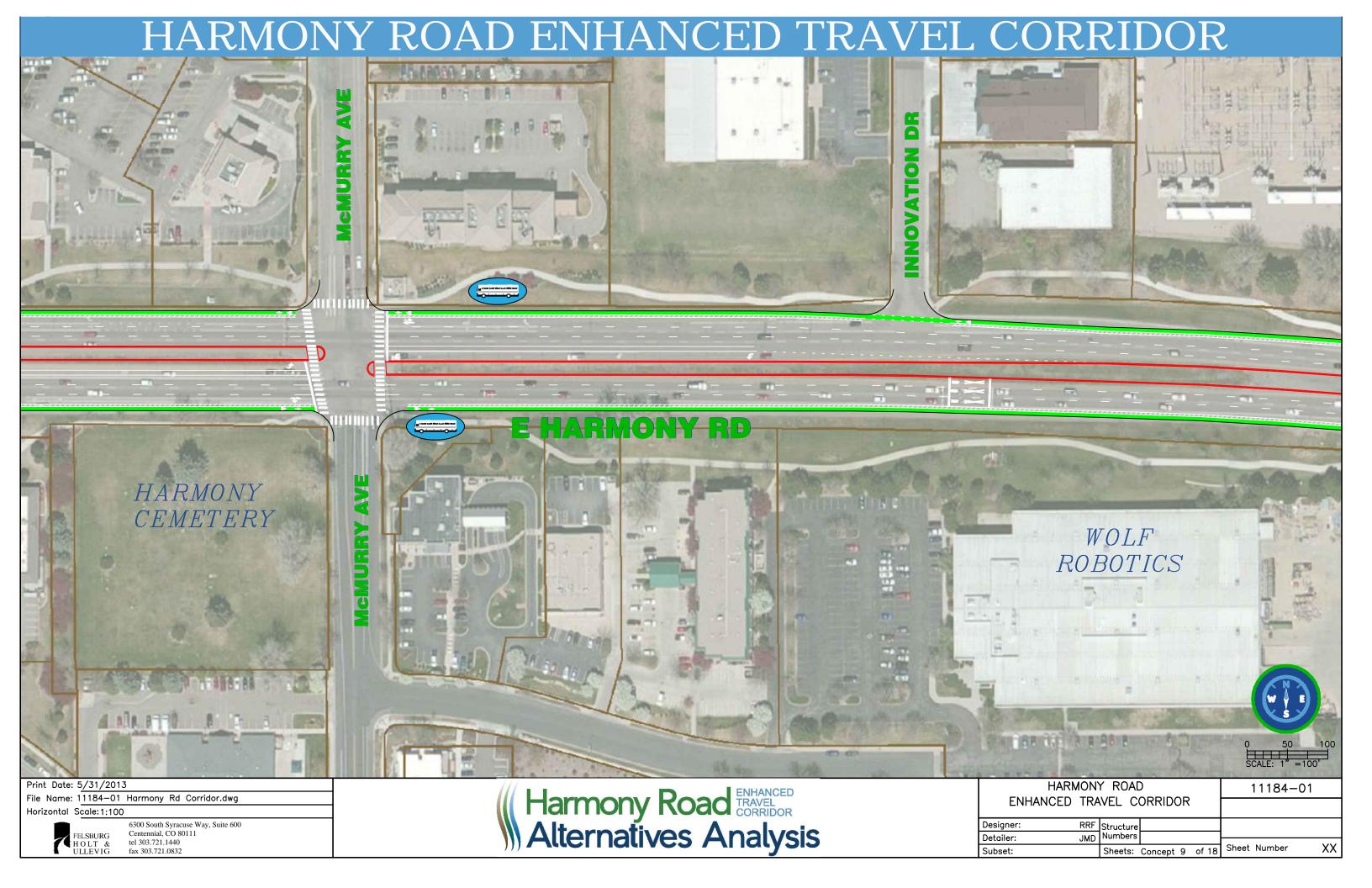


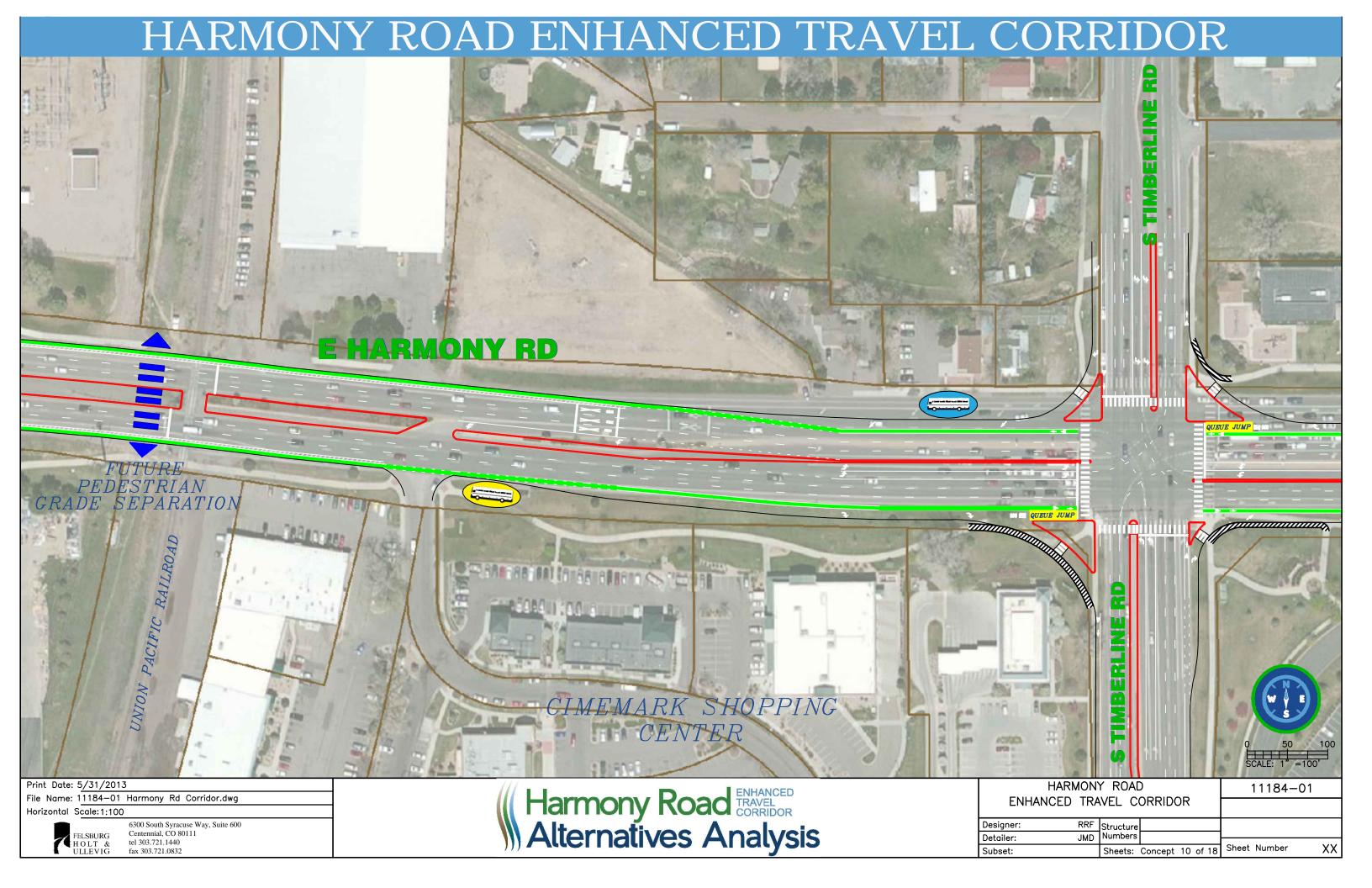


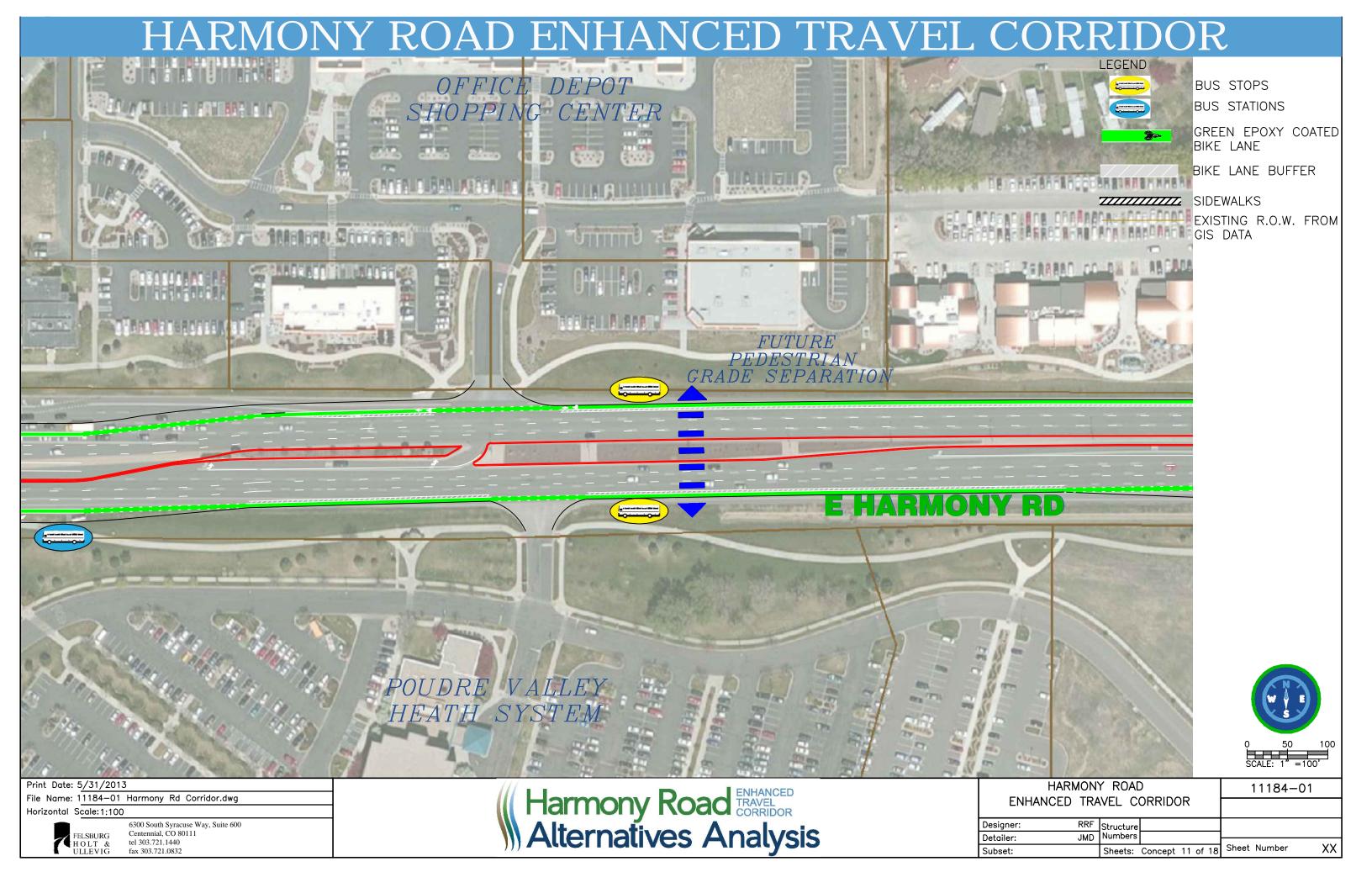


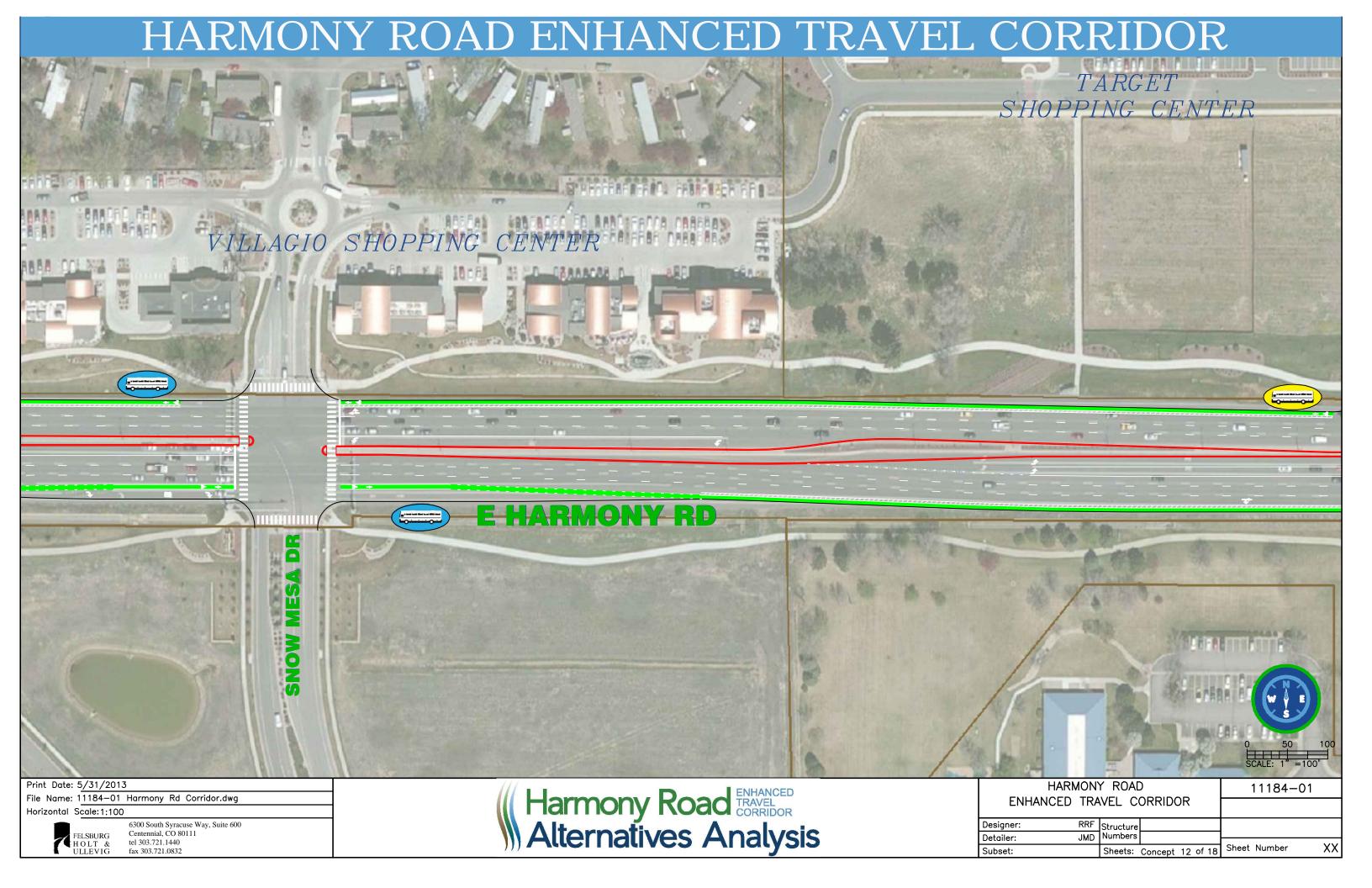


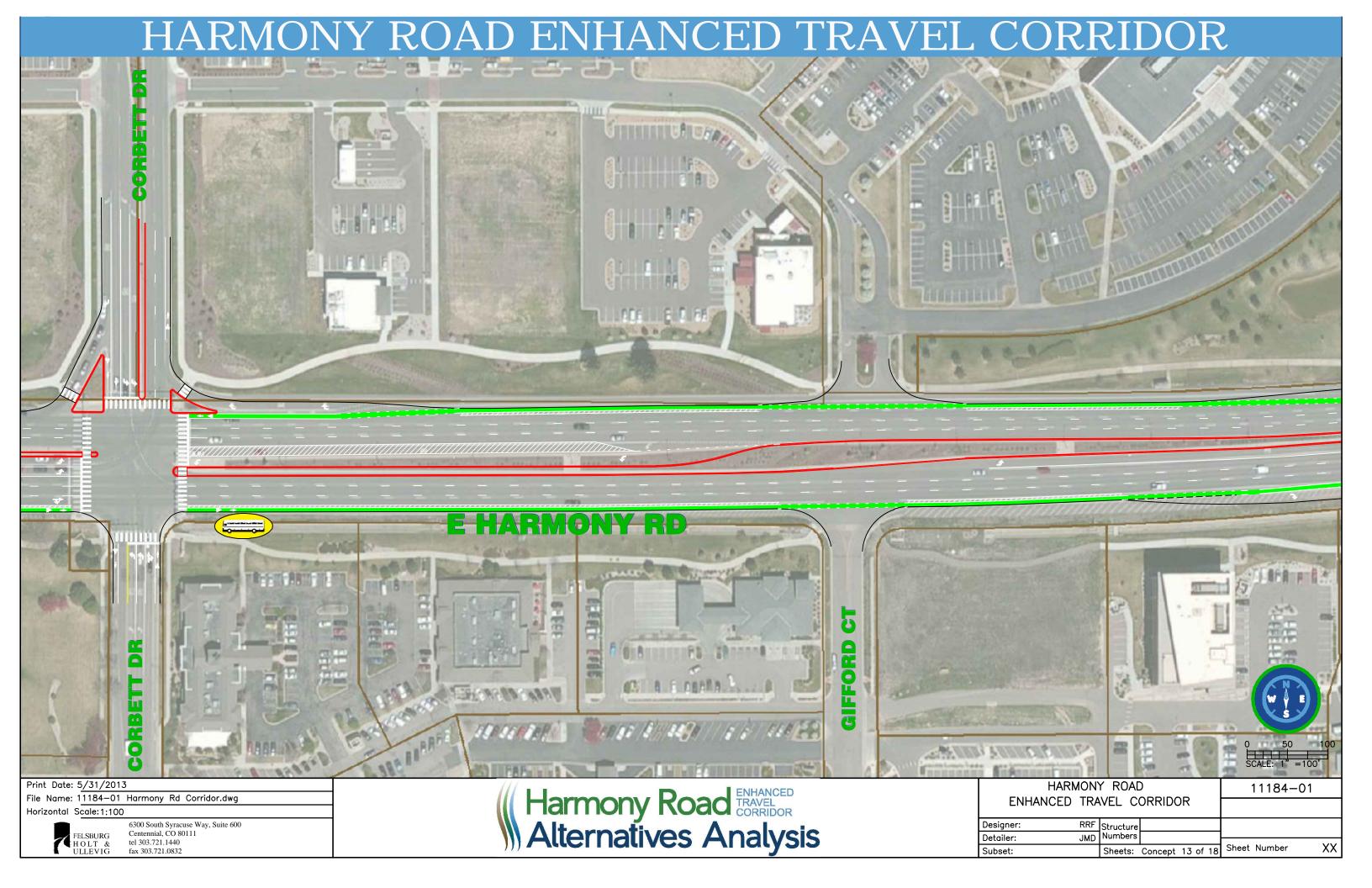


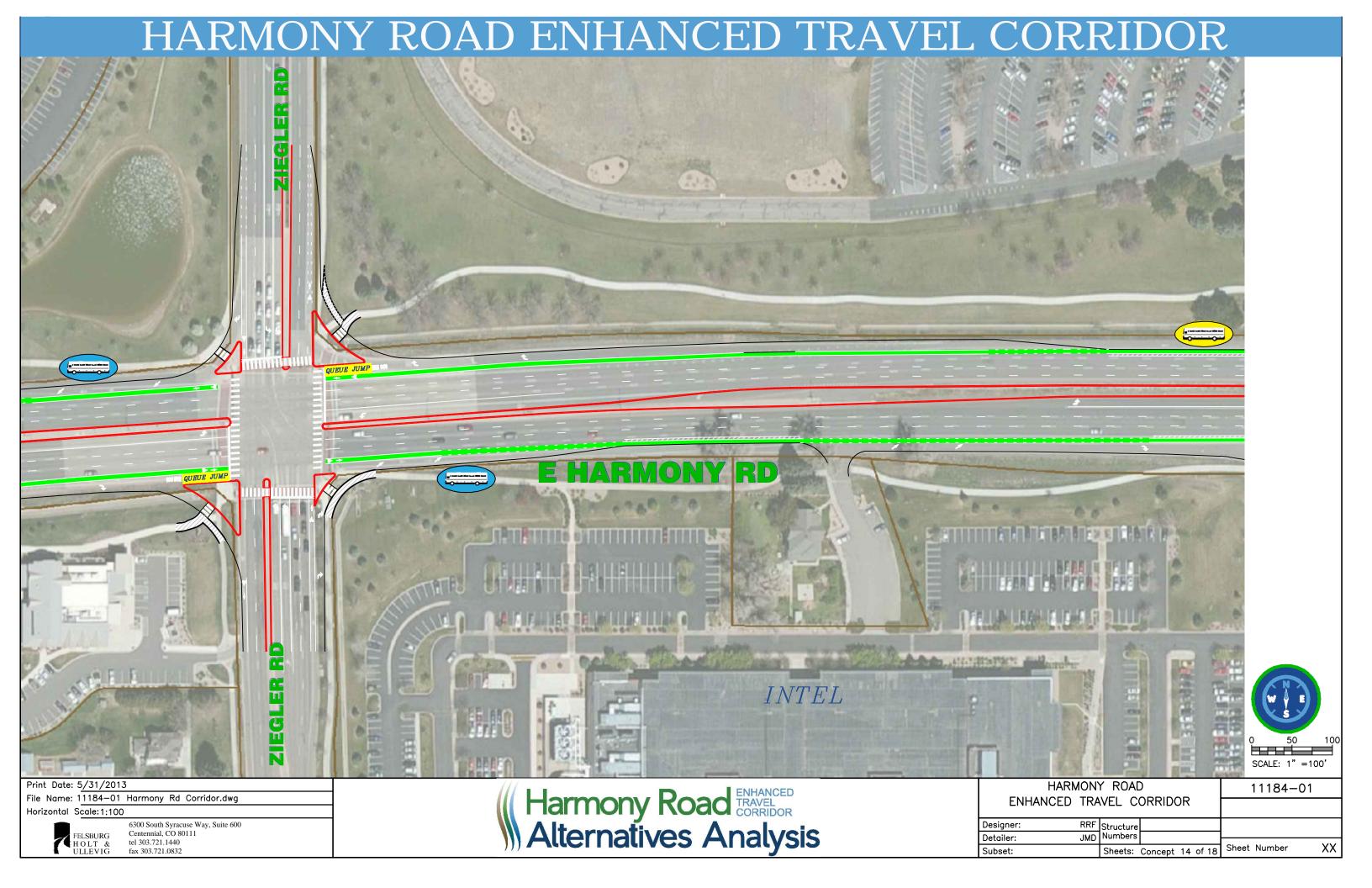


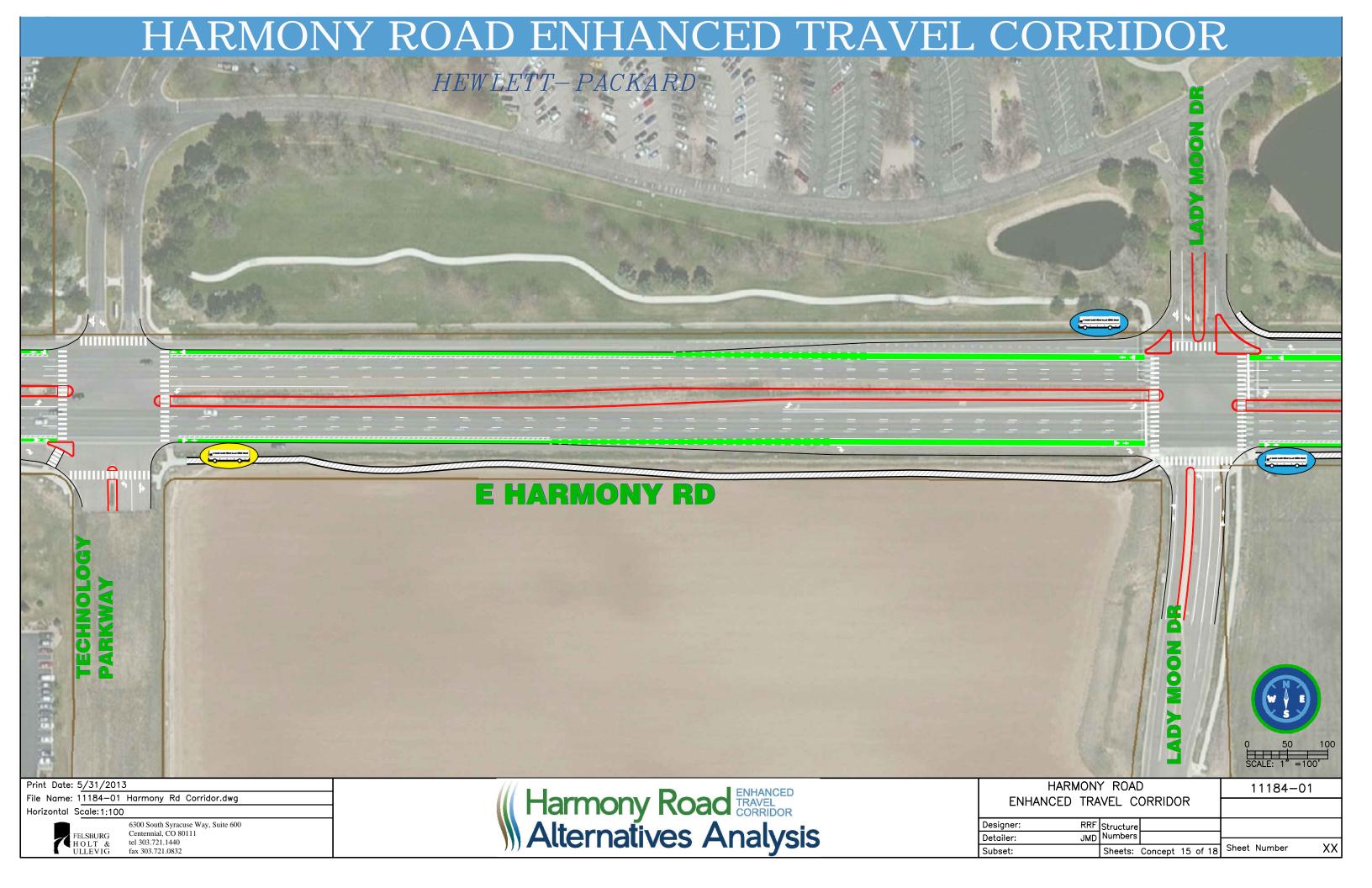


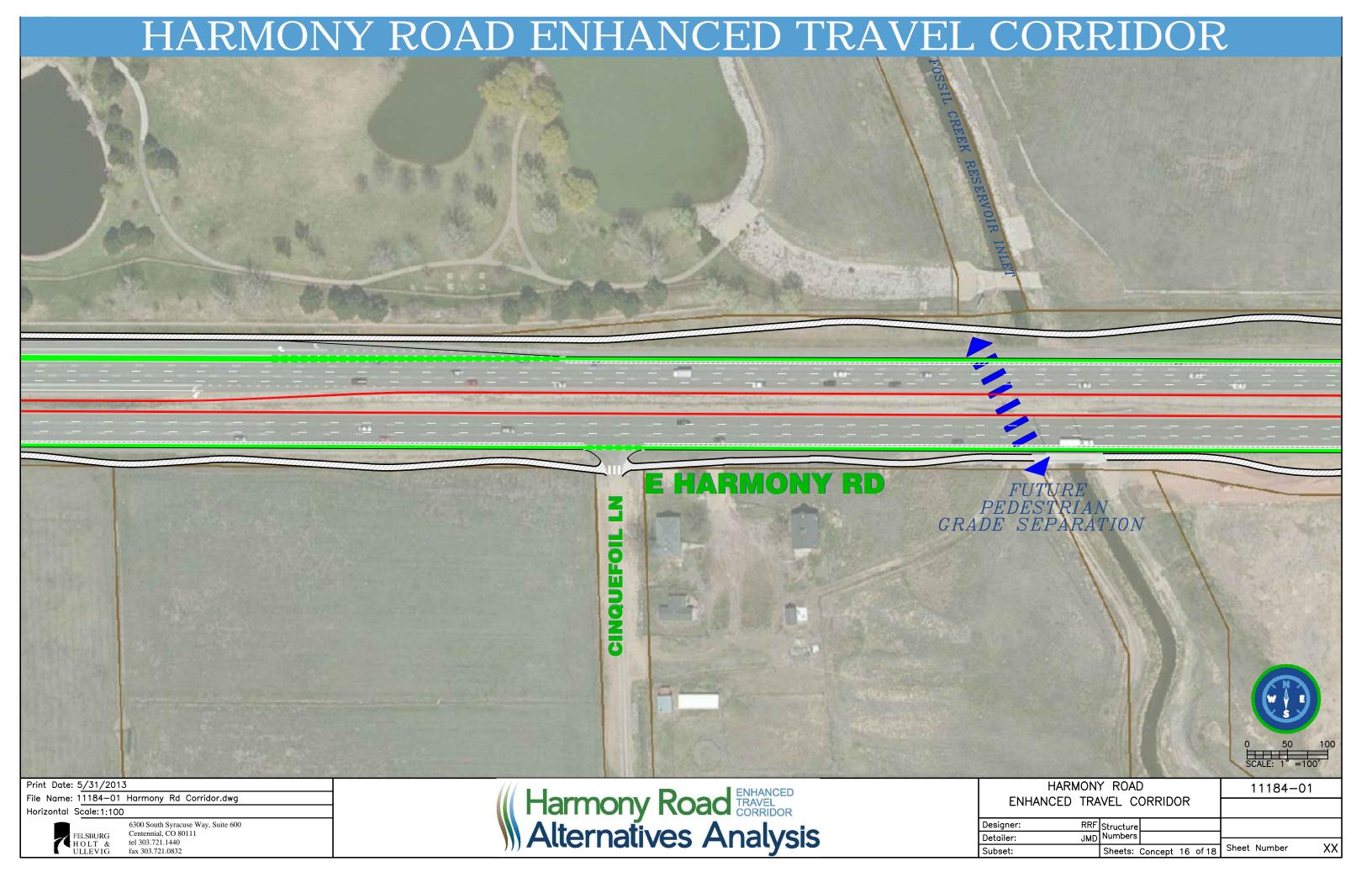


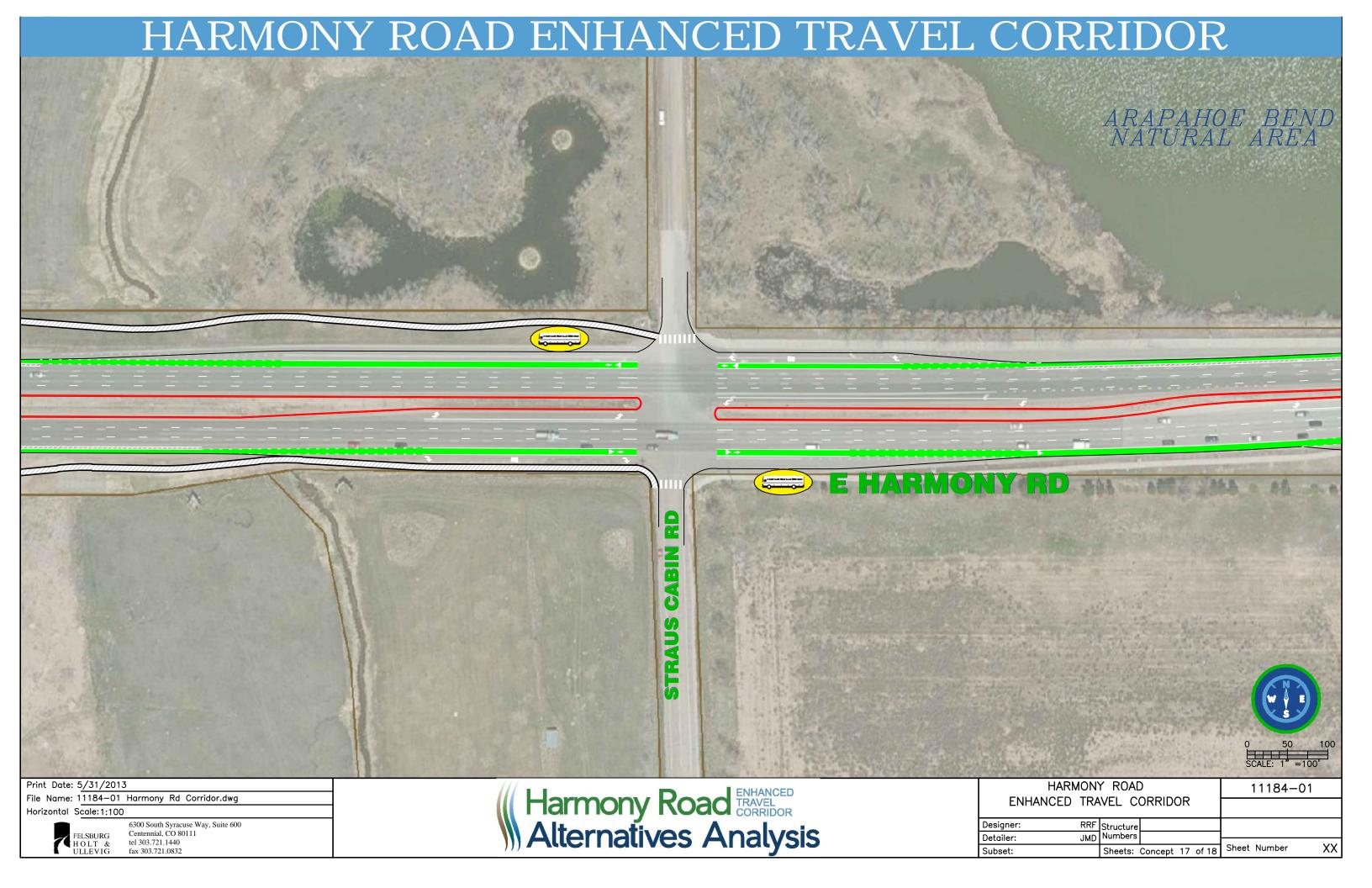


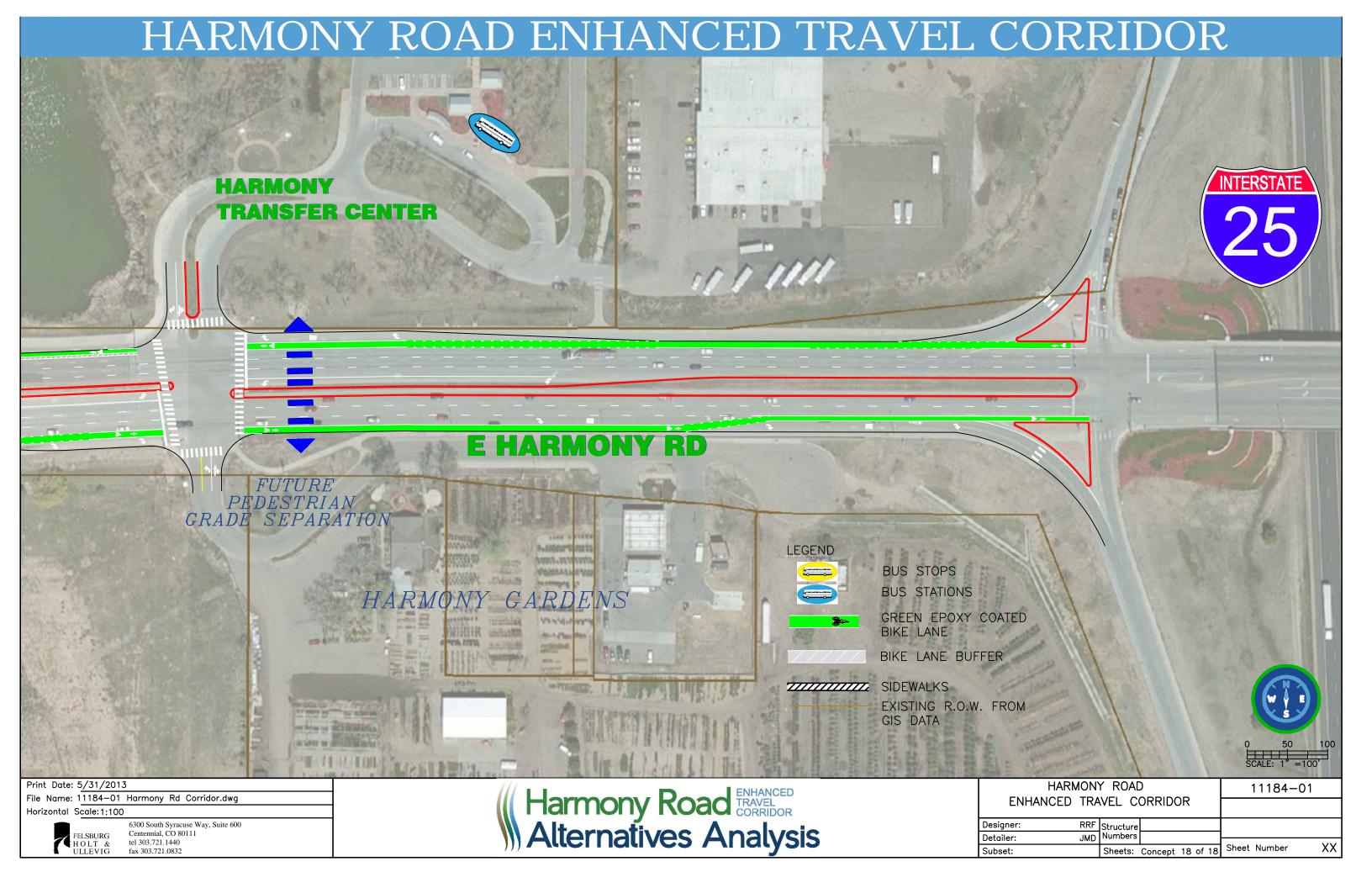














In providing opinions of probable construction cost, the Client understands that Felsburg Holt & Ullevig has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made on the basis of our qualifications and experience. FHU makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

Engineers Estimate of Probable Cost - Shields Street to East Side of College Avenue

11184-01 Harmony Road ETC Master Plan

Shields	to Colle	ge		
ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	COST
CLEARING AND GRUBBING	ACRE	\$2,625.00	0.15	\$394
REMOVAL OF SIDEWALK	SY	\$8.50	150	\$1,275
REMOVAL OF CURB AND GUTTER	LF	\$4.50	400	\$1,800
REMOVAL OF ASPHALT MAT	SY	\$2.50	700	\$1,750
UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	\$14.00	570	\$7,980
AGGREGATE BASE COURSE (CLASS 6)	TON	\$17.00	125	\$2,125
HOT MIX ASPHALT (GRADING SX) (75) (PG 76-28)	TON	\$150.00	275	\$41,250
CONCRETE SIDEWALK	SY	\$32.50	1650	\$53,625
CURB AND GUTTER TYPE 2 (SECTION I-M)	LF	\$10.00	8000	\$80,000
CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	\$14.50	0	\$0
MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	\$6.50	9350	\$60,775
MEDIAN LANDSCAPING	SF	\$10.00	23000	\$230,000
BIKE LANE W/ BUFFER	MILE	\$20,000.00	0.00	\$0
BIKE LANE W/O BUFFER	MILE	\$15,000.00	1.95	\$29,250
BUS STATION	LS	\$150,000.00	2	\$300,000
BUS STOP	LS	\$20,000.00	4	\$80,000
PEDESTRIAN GRADE SEPARATION	LS	\$2,000,000.00	1	\$2,000,000
ROW COST + 30% FOR ACQUISITION	SF	\$19.50	0	\$0
TRAFFIC SIGNALIZATION (Mason Street & College Avenue)	LS	Varies	NA	\$167,700

PROJECT CONSTRUCTION BID ITEMS SUBTOTAL:

\$3,057,924

	% Mult	tiplier	Cost	
Project Construction Bid Items Subtotal	Project Quantity		\$3,057,924	Α
Contingencies	% of A	30.0%	\$917,377	В
Utilities	% of A+B	1.0%	\$39,753	С
Drainage	% of A+B	1.0%	\$39,753	D
Signing and Striping	% of A+B	1.0%	\$39,753	E
Construction Signing & Traffic Control	% of A+B	5.0%	\$198,765	F
Lighting	% of A+B	2.0%	\$79,506	G
Mobilization	% of A+B	2.0%	\$79,506	Н
Total of Construction Bid Items	Sum of A to H		\$4,452,000	ı
Design Engineering	% of I	8.0%	\$356,160	J
Construction Engineering	% of I	6.0%	\$267,120	K
Total Opinion of Probable Cost	Sum of I to K		\$5,075,280	



In providing opinions of probable construction cost, the Client understands that Felsburg Holt & Ullevig has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made on the basis of our qualifications and experience. FHU makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

Engineers Estimate of Probable Cost - East Side of College Avenue. To West Side of Lemay Ave.

11184-01

Harmony Road ETC Master Plan

College to	Lemay			
ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	COST
CLEARING AND GRUBBING	ACRE	\$2,625.00	1.5	\$3,938
REMOVAL OF SIDEWALK	SY	\$8.50	1100	\$9,350
REMOVAL OF CURB AND GUTTER	LF	\$4.50	3100	\$13,950
REMOVAL OF ASPHALT MAT	SY	\$2.50	0	\$0
UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	\$14.00	1800	\$25,200
AGGREGATE BASE COURSE (CLASS 6)	TON	\$17.00	800	\$13,600
HOT MIX ASPHALT (GRADING SX) (75) (PG 76-28)	TON	\$150.00	1780	\$267,000
CONCRETE SIDEWALK	SY	\$32.50	2800	\$91,000
CURB AND GUTTER TYPE 2 (SECTION I-M)	LF	\$10.00	8400	\$84,000
CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	\$14.50	2400	\$34,800
MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	\$6.50	11650	\$75,725
MEDIAN LANDSCAPING	SF	\$10.00	35000	\$350,000
BIKE LANE W/ BUFFER	MILE	\$20,000.00	0.67	\$13,348
BIKE LANE W/O BUFFER	MILE	\$15,000.00	0.80	\$12,000
BUS STATION	LS	\$150,000.00	2	\$300,000
BUS STOP	LS	\$20,000.00	3	\$60,000
PEDESTRIAN GRADE SEPARATION	LS	\$2,000,000.00	1	\$2,000,000
ROW COST + 30% FOR ACQUISITION	SF	\$19.50	10000	\$195,000
TRAFFIC SIGNALIZATION (JFK Parkway & Boardwalk Drive)	LS	Varies	NA	\$286,150

PROJECT CONSTRUCTION BID ITEMS SUBTOTAL:

\$3,835,061

	% Multip	olier	Cost	
Project Construction Bid Items Subtotal	Project Quantity		\$3,835,061	Α
Contingencies	% of A	30.0%	\$1,150,518	В
Utilities	% of A+B	1.0%	\$49,856	С
Drainage	% of A+B	1.0%	\$49,856	D
Signing and Striping	% of A+B	1.0%	\$49,856	E
Construction Signing & Traffic Control	% of A+B	5.0%	\$249,279	F
Lighting	% of A+B	2.0%	\$99,712	G
Mobilization	% of A+B	2.0%	\$99,712	Н
Total of Construction Bid Items	Sum of A to H		\$5,584,000	ı
Design Engineering	% of I	8.0%	\$446,720	J
Construction Engineering	% of I	6.0%	\$335,040	K
Total Opinion of Probable Cost	Sum of I to K		\$6,365,760	



In providing opinions of probable construction cost, the Client understands that Felsburg Holt & Ullevig has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made on the basis of our qualifications and experience. FHU makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

Engineers Estimate of Probable Cost - Lemay Avenue Intersection

11084-01

Harmony Road ETC Master Plan

Lemay Intersec	tion			
ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	COST
CLEARING AND GRUBBING	ACRE	\$2,625.00	2.3	\$6,038
REMOVAL OF SIDEWALK	SY	\$8.50	1000	\$8,500
REMOVAL OF CURB AND GUTTER	LF	\$4.50	1000	\$4,500
REMOVAL OF ASPHALT MAT	SY	\$2.50	600	\$1,500
UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	\$14.00	2500	\$35,000
AGGREGATE BASE COURSE (CLASS 6)	TON	\$17.00	1900	\$32,300
HOT MIX ASPHALT (GRADING SX) (75) (PG 76-28)	TON	\$150.00	4200	\$630,000
CONCRETE SIDEWALK	SY	\$32.50	1250	\$40,625
CURB AND GUTTER TYPE 2 (SECTION I-M)	LF	\$10.00	2600	\$26,000
CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	\$14.50	4200	\$60,900
MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	\$6.50	15000	\$97,500
MEDIAN LANDSCAPING	SF	\$10.00	27300	\$273,000
BIKE LANE W/ BUFFER	MILE	\$20,000.00	0.00	\$0
BIKE LANE W/O BUFFER	MILE	\$15,000.00	0.43	\$6,491
BUS STATION	LS	\$150,000.00	2	\$300,000
BUS STOP	LS	\$20,000.00	0	\$0
PEDESTRIAN GRADE SEPARATION	LS	\$2,000,000.00	0	\$0
ROW COST + 30% FOR ACQUISITION	SF	\$19.50	32000	\$624,000
TRAFFIC SIGNALIZATION	LS	Varies	NA	\$26,000

PROJECT CONSTRUCTION BID ITEMS SUBTOTAL:

\$2,172,354

	% Multi	plier	Cost	
Project Construction Bid Items Subtotal	Project Quantity	Project Quantity		Α
Contingencies	% of A	30.0%	\$651,706	В
Utilities	% of A+B	2.0%	\$56,481	С
Drainage	% of A+B	4.0%	\$112,962	D
Signing and Striping	% of A+B	1.0%	\$28,241	E
Construction Signing & Traffic Control	% of A+B	5.0%	\$141,203	F
Lighting	% of A+B	2.0%	\$56,481	G
Mobilization	% of A+B	2.0%	\$56,481	Н
Total of Construction Bid Items	Sum of A to H		\$3,276,000	ı
Design Engineering	% of I	8.0%	\$262,080	J
Construction Engineering	% of I	6.0%	\$196,560	K
Total Opinion of Probable Cost	Sum of I to K		\$3,734,640	



In providing opinions of probable construction cost, the Client understands that Felsburg Holt & Ullevig has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made on the basis of our qualifications and experience. FHU makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

Engineers Estimate of Probable Cost - East Side of Lemay Ave. to West Side of Timberline Road

11184-01

Harmony Road ETC Master Plan

Lemay to	Timberline			
ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	COST
CLEARING AND GRUBBING	ACRE	\$2,625.00	1.15	\$3,019
REMOVAL OF SIDEWALK	SY	\$8.50	0	\$0
REMOVAL OF CURB AND GUTTER	LF	\$4.50	700	\$3,150
REMOVAL OF ASPHALT MAT	SY	\$2.50	1400	\$3,500
UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	\$14.00	1600	\$22,400
AGGREGATE BASE COURSE (CLASS 6)	TON	\$17.00	640	\$10,880
HOT MIX ASPHALT (GRADING SX) (75) (PG 76-28)	TON	\$150.00	1450	\$217,500
CONCRETE SIDEWALK	SY	\$32.50	0	\$0
CURB AND GUTTER TYPE 2 (SECTION I-M)	LF	\$10.00	8200	\$82,000
CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	\$14.50	6800	\$98,600
MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	\$6.50	25000	\$162,500
MEDIAN LANDSCAPING	SF	\$10.00	74250	\$742,500
BIKE LANE W/ BUFFER	MILE	\$20,000.00	1.34	\$26,894
BIKE LANE W/O BUFFER	MILE	\$15,000.00	0.00	\$0
BUS STATION	LS	\$150,000.00	2	\$300,000
BUS STOP	LS	\$20,000.00	2	\$40,000
PEDESTRIAN GRADE SEPARATION	LS	\$2,000,000.00	1	\$2,000,000
ROW COST + 30% FOR ACQUISITION	SF	\$19.50	0	\$0
TRAFFIC SIGNALIZATION (McMurray Avenue)	LS	Varies	NA	\$35,050

PROJECT CONSTRUCTION BID ITEMS SUBTOTAL:

\$3,747,993

	% Multi	plier	Cost	
Project Construction Bid Items Subtotal	Project Quantity	Project Quantity		Α
Contingencies	% of A	30.0%	\$1,124,398	В
Utilities	% of A+B	1.0%	\$48,724	С
Drainage	% of A+B	1.0%	\$48,724	D
Signing and Striping	% of A+B	1.0%	\$48,724	Е
Construction Signing & Traffic Control	% of A+B	5.0%	\$243,620	F
Lighting	% of A+B	2.0%	\$97,448	G
Mobilization	% of A+B	2.0%	\$97,448	Н
Total of Construction Bid Items	Sum of A to H		\$5,457,000	ı
Design Engineering	% of I	8.0%	\$436,560	J
Construction Engineering	% of I	6.0%	\$327,420	K
Total Opinion of Probable Cost	Sum of I to K		\$6,220,980	



Building and Enhancing Communities

OPINION OF PROBABLE COST

In providing opinions of probable construction cost, the Client understands that Felsburg Holt & Ullevig has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made on the basis of our qualifications and experience. FHU makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

Engineers Estimate of Probable Cost - Timberline Road Intersection

11084-01

Harmony Road ETC Master Plan

Timberline Intersect	ion			
ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	COST
CLEARING AND GRUBBING	ACRE	\$2,625.00	1.75	\$4,594
REMOVAL OF SIDEWALK	SY	\$8.50	600	\$5,100
REMOVAL OF CURB AND GUTTER	LF	\$4.50	2900	\$13,050
REMOVAL OF ASPHALT MAT	SY	\$2.50	7200	\$18,000
UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	\$14.00	12000	\$168,000
AGGREGATE BASE COURSE (CLASS 6)	TON	\$17.00	2000	\$34,000
HOT MIX ASPHALT (GRADING SX) (75) (PG 76-28)	TON	\$150.00	4800	\$720,000
CONCRETE SIDEWALK	SY	\$32.50	700	\$22,750
CURB AND GUTTER TYPE 2 (SECTION I-M)	LF	\$10.00	3800	\$38,000
CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	\$14.50	4500	\$65,250
MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	\$6.50	2000	\$13,000
MEDIAN LANDSCAPING	SF	\$10.00	69500	\$695,000
BIKE LANE W/ BUFFER	MILE	\$20,000.00	0.28	\$5,682
BIKE LANE W/O BUFFER	MILE	\$15,000.00	0.47	\$7,102
BUS STATION	LS	\$150,000.00	2	\$300,000
BUS STOP	LS	\$20,000.00	3	\$60,000
PEDESTRIAN GRADE SEPARATION	LS	\$2,000,000.00	0	\$0
ROW COST + 30% FOR ACQUISITION	SF	\$19.50	20000	\$390,000
TRAFFIC SIGNALIZATION	LS	Varies	NA	\$306,200

PROJECT CONSTRUCTION BID ITEMS SUBTOTAL:

\$2,865,728

	% Multi	plier	Cost	
Project Construction Bid Items Subtotal	Project Quantity		\$2,865,728	Α
Contingencies	% of A	30.0%	\$859,718	В
Utilities	% of A+B	2.0%	\$74,509	С
Drainage	% of A+B	4.0%	\$149,018	D
Signing and Striping	% of A+B	1.0%	\$37,254	Е
Construction Signing & Traffic Control	% of A+B	5.0%	\$186,272	F
Lighting	% of A+B	2.0%	\$74,509	G
Mobilization	% of A+B	2.0%	\$74,509	Н
Total of Construction Bid Items	Sum of A to H		\$4,322,000	ı
Design Engineering	% of I	8.0%	\$345,760	J
Construction Engineering	% of I	6.0%	\$259,320	K
Total Opinion of Probable Cost	Sum of I to K		\$4,927,080	



In providing opinions of probable construction cost, the Client understands that Felsburg Holt & Ullevig has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made on the basis of our qualifications and experience. FHU makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

Engineers Estimate of Probable Cost - East Side of Timberline Road to West Side of Ziegler Road

11184-01

Harmony Road ETC Master Plan

Timberline	to Ziegler			
ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	соѕт
CLEARING AND GRUBBING	ACRE	\$2,625.00	0.5	\$1,313
REMOVAL OF SIDEWALK	SY	\$8.50	0	\$0
REMOVAL OF CURB AND GUTTER	LF	\$4.50	2000	\$9,000
REMOVAL OF ASPHALT MAT	SY	\$2.50	2200	\$5,500
UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	\$14.00	4875	\$68,250
AGGREGATE BASE COURSE (CLASS 6)	TON	\$17.00	350	\$5,950
HOT MIX ASPHALT (GRADING SX) (75) (PG 76-28)	TON	\$150.00	790	\$118,500
CONCRETE SIDEWALK	SY	\$32.50	0	\$0
CURB AND GUTTER TYPE 2 (SECTION I-M)	LF	\$10.00	2800	\$28,000
CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	\$14.50	6200	\$89,900
MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	\$6.50	14000	\$91,000
MEDIAN LANDSCAPING	SF	\$10.00	42000	\$420,000
BIKE LANE W/ BUFFER	MILE	\$20,000.00	0.75	\$14,962
BIKE LANE W/O BUFFER	MILE	\$15,000.00	0.47	\$7,102
BUS STATION	LS	\$150,000.00	2	\$300,000
BUS STOP	LS	\$20,000.00	2	\$40,000
PEDESTRIAN GRADE SEPARATION	LS	\$2,000,000.00	1	\$2,000,000
ROW COST + 30% FOR ACQUISITION	SF	\$19.50	0	\$0
TRAFFIC SIGNALIZATION (Snow Mesa and Corbett)	LS	Varies	NA	\$52,000

PROJECT CONSTRUCTION BID ITEMS SUBTOTAL:

\$3,251,477

	% Multi	plier	Cost	
Project Construction Bid Items Subtotal	Project Quantity	Project Quantity		Α
Contingencies		30.0%	\$975,443	В
Utilities	% of A+B	1.0%	\$42,269	С
Drainage	% of A+B	1.0%	\$42,269	D
Signing and Striping	% of A+B	1.0%	\$42,269	Е
Construction Signing & Traffic Control	% of A+B	5.0%	\$211,346	F
Lighting	% of A+B	2.0%	\$84,538	G
Mobilization	% of A+B	2.0%	\$84,538	Н
Total of Construction Bid Items	Sum of A to H		\$4,734,000	ı
Design Engineering	% of I	8.0%	\$378,720	J
Construction Engineering	% of I	6.0%	\$284,040	K
Total Opinion of Probable Cost	Sum of I to K		\$5,396,760	



In providing opinions of probable construction cost, the Client understands that Felsburg Holt & Ullevig has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made on the basis of our qualifications and experience. FHU makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

Engineers Estimate of Probable Cost - Ziegler Road Intersection

11184-01

Harmony Road ETC Master Plan

Ziegler Intersection						
ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	COST		
CLEARING AND GRUBBING	ACRE	\$2,625.00	0.75	\$1,969		
REMOVAL OF SIDEWALK	SY	\$8.50	360	\$3,060		
REMOVAL OF CURB AND GUTTER	LF	\$4.50	400	\$1,800		
REMOVAL OF ASPHALT MAT	SY	\$2.50	2600	\$6,500		
UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	\$14.00	2400	\$33,600		
AGGREGATE BASE COURSE (CLASS 6)	TON	\$17.00	700	\$11,900		
HOT MIX ASPHALT (GRADING SX) (75) (PG 76-28)	TON	\$150.00	1450	\$217,500		
CONCRETE SIDEWALK	SY	\$32.50	350	\$11,375		
CURB AND GUTTER TYPE 2 (SECTION I-M)	LF	\$10.00	3600	\$36,000		
CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	\$14.50	6000	\$87,000		
MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	\$6.50	8225	\$53,463		
MEDIAN LANDSCAPING	SF	\$10.00	40700	\$407,000		
BIKE LANE W/ BUFFER	MILE	\$20,000.00	0.05	\$947		
BIKE LANE W/O BUFFER	MILE	\$15,000.00	0.52	\$7,813		
BUS STATION	LS	\$150,000.00	2	\$300,000		
BUS STOP	LS	\$20,000.00	0	\$0		
PEDESTRIAN GRADE SEPARATION	LS	\$2,000,000.00	0	\$0		
ROW COST + 30% FOR ACQUISITION	SF	\$19.50	20000	\$390,000		
TRAFFIC SIGNALIZATION	LS	Varies	NA	\$297,150		

PROJECT CONSTRUCTION BID ITEMS SUBTOTAL:

\$1,867,076

	% Multi	plier	Cost	Α
Project Construction Bid Items Subtotal	Project Quantity		\$1,867,076	
Contingencies	% of A	30.0%	\$560,123	В
Utilities	% of A+B	2.0%	\$48,544	С
Drainage	% of A+B	4.0%	\$97,088	D
Signing and Striping	% of A+B	1.0%	\$24,272	Е
Construction Signing & Traffic Control	% of A+B	5.0%	\$121,360	F
Lighting	% of A+B	2.0%	\$48,544	G
Mobilization	% of A+B	2.0%	\$48,544	Н
Total of Construction Bid Items	Sum of A to H		\$2,816,000	I
Design Engineering	% of I	8.0%	\$225,280	J
Construction Engineering	% of I	6.0%	\$168,960	K
Total Opinion of Probable Cost	Sum of I to K		\$3,210,240	



In providing opinions of probable construction cost, the Client understands that Felsburg Holt & Ullevig has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinions of probable construction costs provided herein are to be made on the basis of our qualifications and experience. FHU makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.

Engineers Estimate of Probable Cost - East Side of Ziegler Road to I-25

Harmony Road ETC Master Plan 11184-01

Ziegler to I-25					
ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	COST	
CLEARING AND GRUBBING	ACRE	\$2,625.00	1.65	\$4,331	
REMOVAL OF SIDEWALK	SY	\$8.50	0	\$0	
REMOVAL OF CURB AND GUTTER	LF	\$4.50	0	\$0	
REMOVAL OF ASPHALT MAT	SY	\$2.50	8050	\$20,125	
UNCLASSIFIED EXCAVATION (COMPLETE IN PLACE)	CY	\$14.00	26500	\$371,000	
AGGREGATE BASE COURSE (CLASS 6)	TON	\$17.00	1050	\$17,850	
HOT MIX ASPHALT (GRADING SX) (75) (PG 76-28)	TON	\$150.00	3350	\$502,500	
CONCRETE SIDEWALK	SY	\$32.50	6900	\$224,250	
CURB AND GUTTER TYPE 2 (SECTION I-M)	LF	\$10.00	10000	\$100,000	
CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	\$14.50	12400	\$179,800	
MEDIAN COVER MATERIAL (PATTERNED CONCRETE)	SF	\$6.50	70000	\$455,000	
MEDIAN LANDSCAPING	SF	\$10.00	210000	\$2,100,000	
BIKE LANE W/ BUFFER	MILE	\$20,000.00	0.91	\$18,182	
BIKE LANE W/O BUFFER	MILE	\$15,000.00	1.33	\$19,886	
BUS STATION	LS	\$150,000.00	3	\$450,000	
BUS STOP	LS	\$20,000.00	4	\$80,000	
PEDESTRIAN GRADE SEPARATION	LS	\$2,000,000.00	2	\$4,000,000	
ROW COST + 30% FOR ACQUISITION	SF	\$19.50	0	\$0	
TRAFFIC SIGNALIZATION (Lady Moon & Harmony Transfer Center)	LS	Varies	NA	\$144,660	

PROJECT CONSTRUCTION BID ITEMS SUBTOTAL:

\$8,687,584

	% Multi	plier	Cost	
Project Construction Bid Items Subtotal	Project Quantitie	Project Quantities		Α
Contingencies	% of A	30%	\$2,606,275	В
Utilities	% of A+B	2.0%	\$225,877	С
Drainage	% of A+B	4.0%	\$451,754	D
Signing and Striping	% of A+B	1%	\$112,939	E
Construction Signing & Traffic Control	% of A+B	5%	\$564,693	F
Lighting	% of A+B	2%	\$225,877	G
Mobilization	% of A+B	2%	\$225,877	Н
Total of Construction Bid Items	Sum of A to H		\$13,101,000	ı
Design Engineering	% of I	8%	\$1,048,080	J
Construction Engineering	% of I	6%	\$786,060	K
Total Opinion of Probable Cost	Sum of I to K		\$14,935,140	•