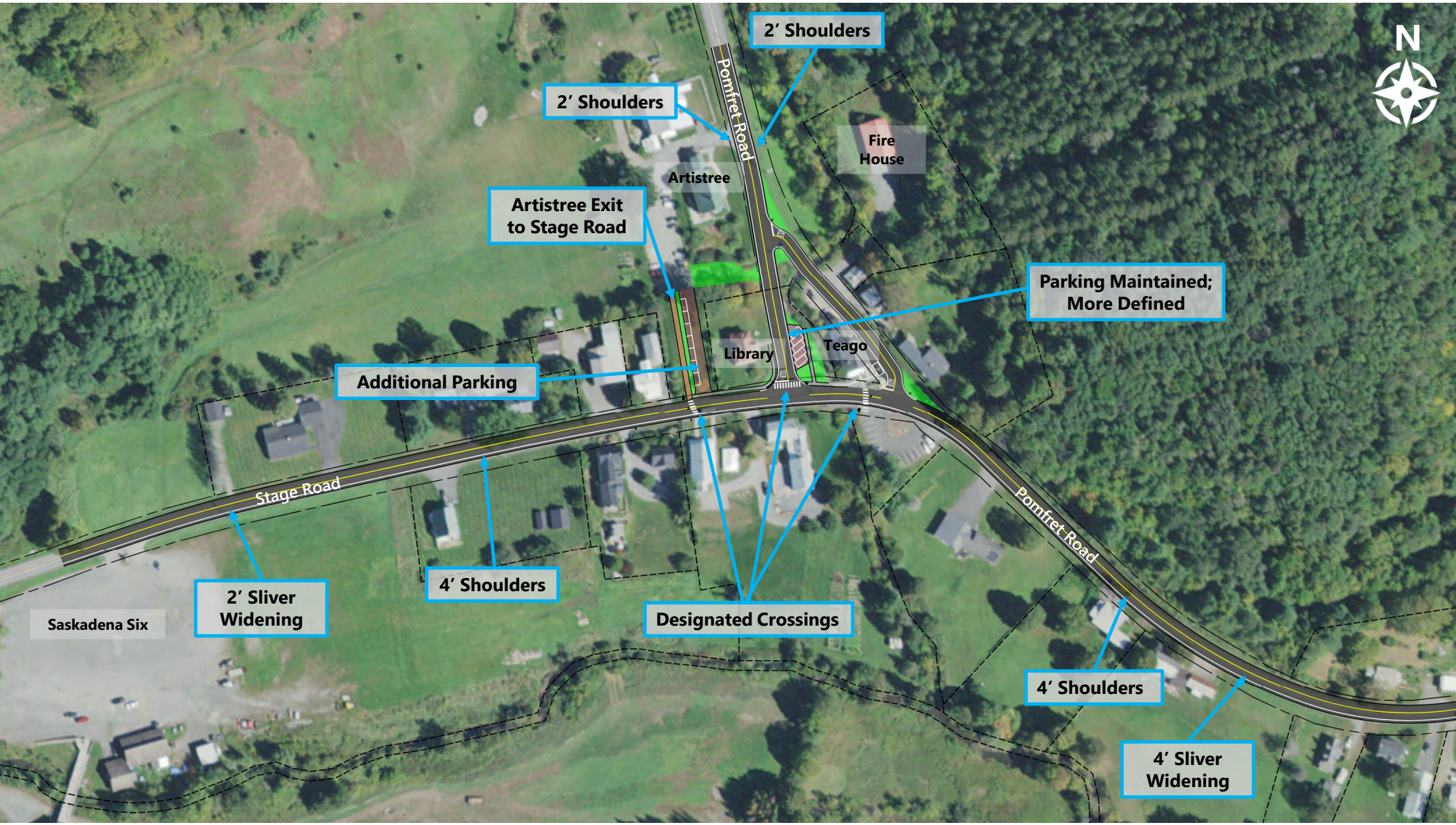
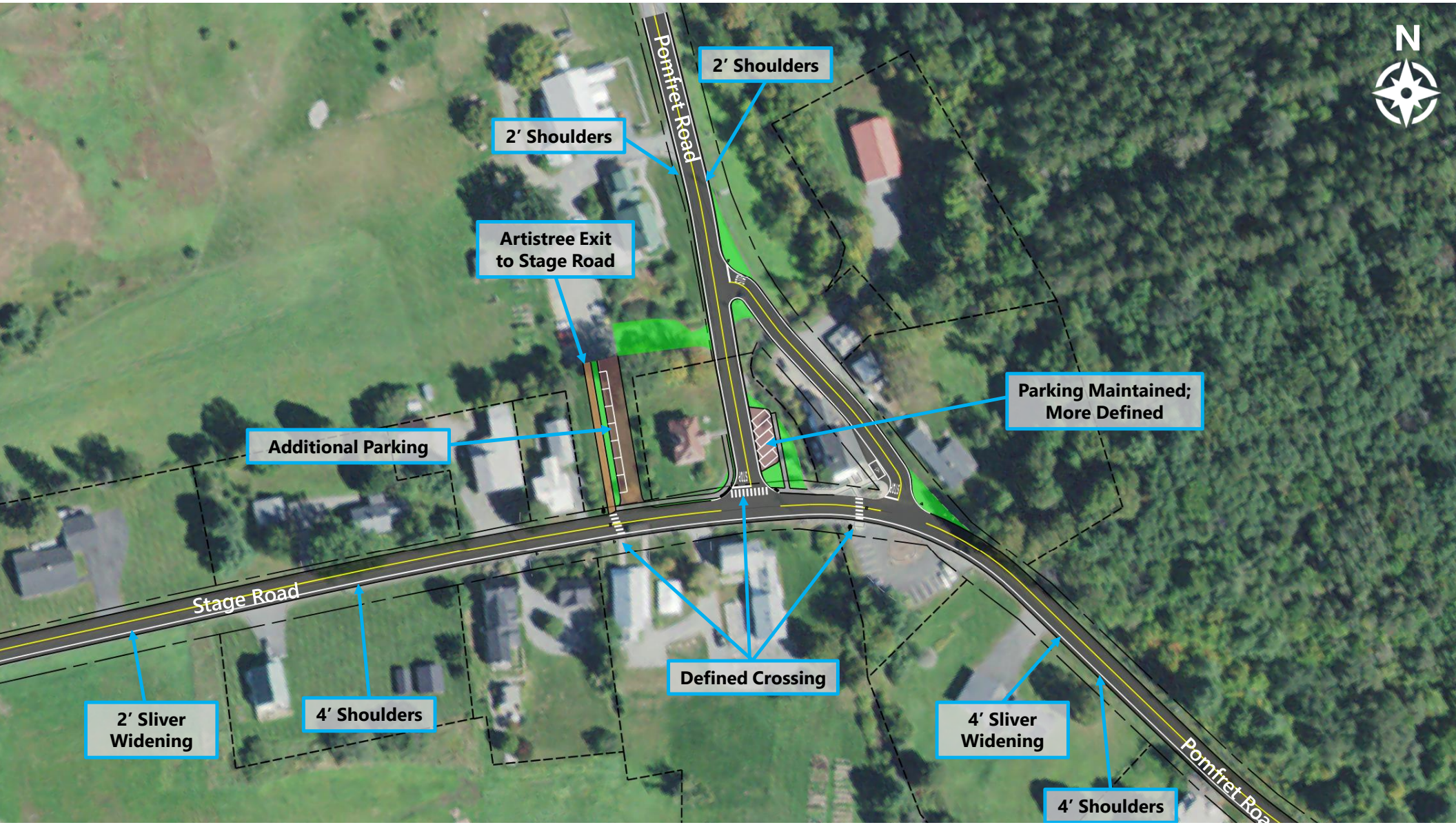

N
Pomfret Road
2′ Shoulders
2′ Shoulders
Artistree Exit
to Stage Road
Parking Maintained;
More Defined
4′ Shoulders
Stage Road
Median
2′ Sliver
Widening
Defined Crossing
Median
4′ Sliver
Widening
Pomfret Road
4′ Shoulders

Alternative 2


2′ Shoulders
2′ Shoulders
Pomfret Road
Fire House
Artistree
Artistree Exit to Stage Road
Parking Maintained; More Defined
Library
Teago
Additional Parking
Stage Road
Pomfret Road
4′ Shoulders
2′ Sliver Widening
Designated Crossings
Saskadena Six
4′ Shoulders
4′ Sliver Widening
N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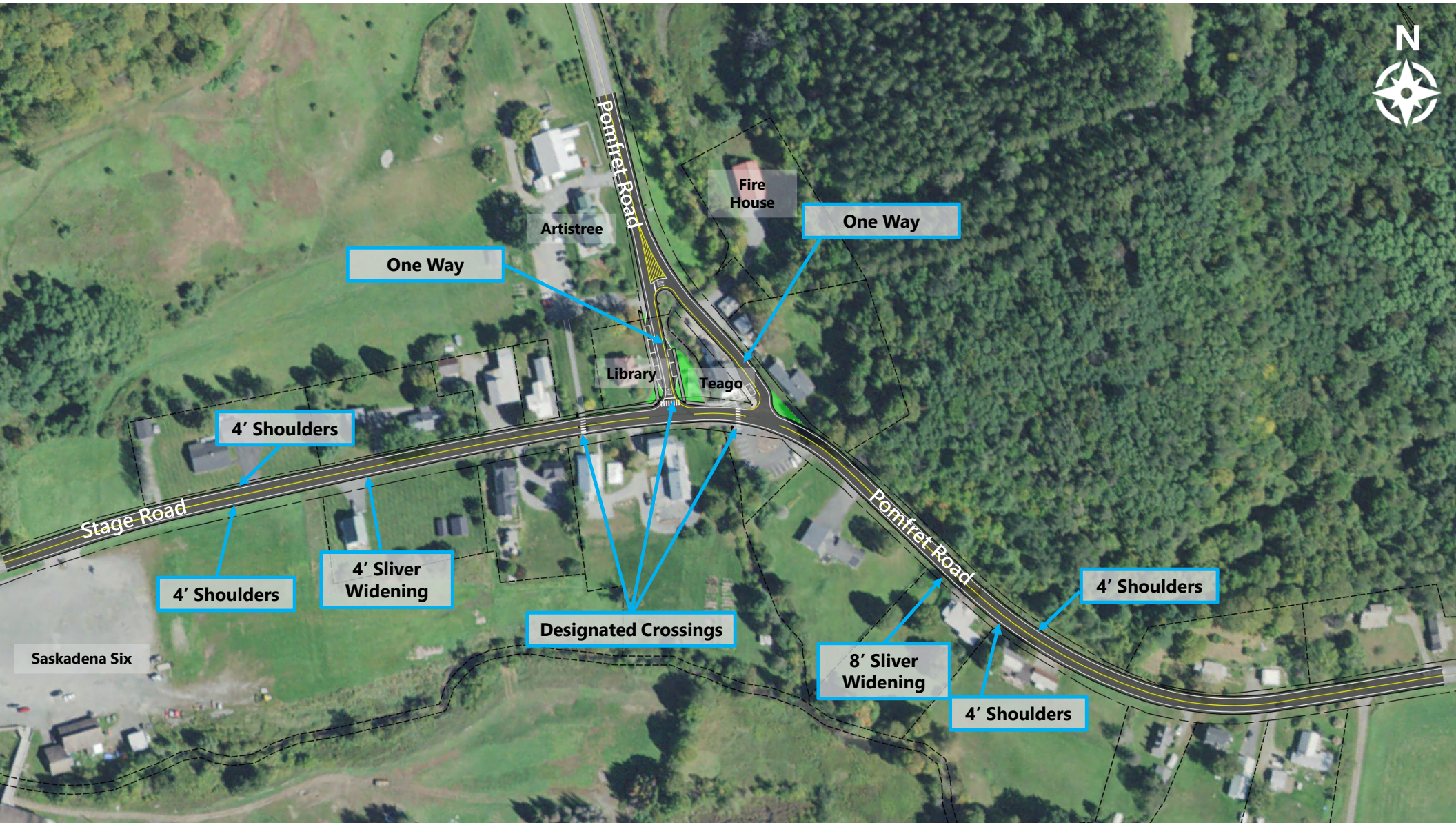
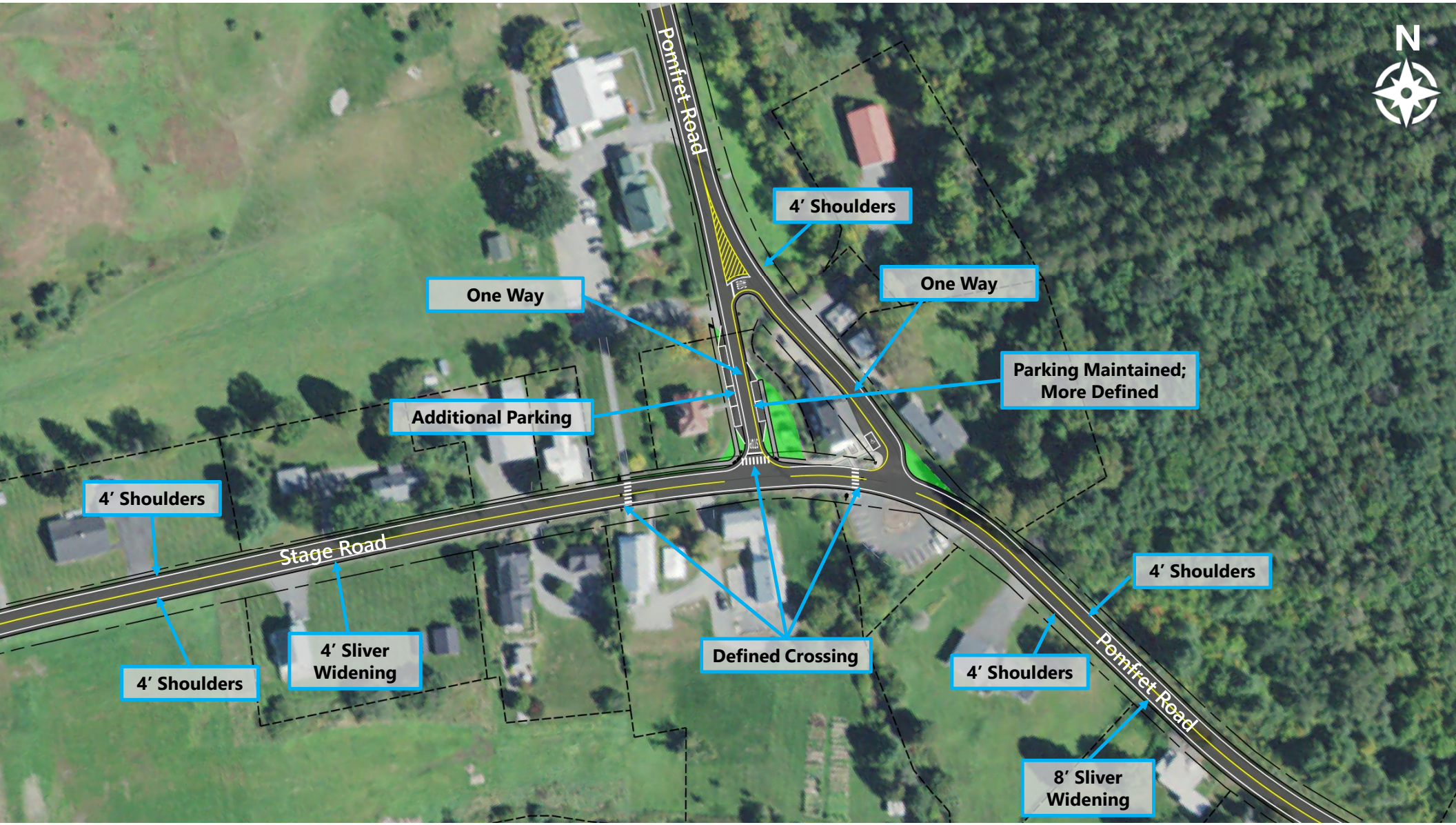
Pomfret Road
2′ Shoulders
2′ Shoulders
Artistree Exit
to Stage Road
Parking Maintained;
More Defined
Additional Parking
Stage Road
2′ Sliver
Widening
4′ Shoulders
Defined Crossing
4′ Sliver
Widening
4′ Shoulders
Pomfret Road

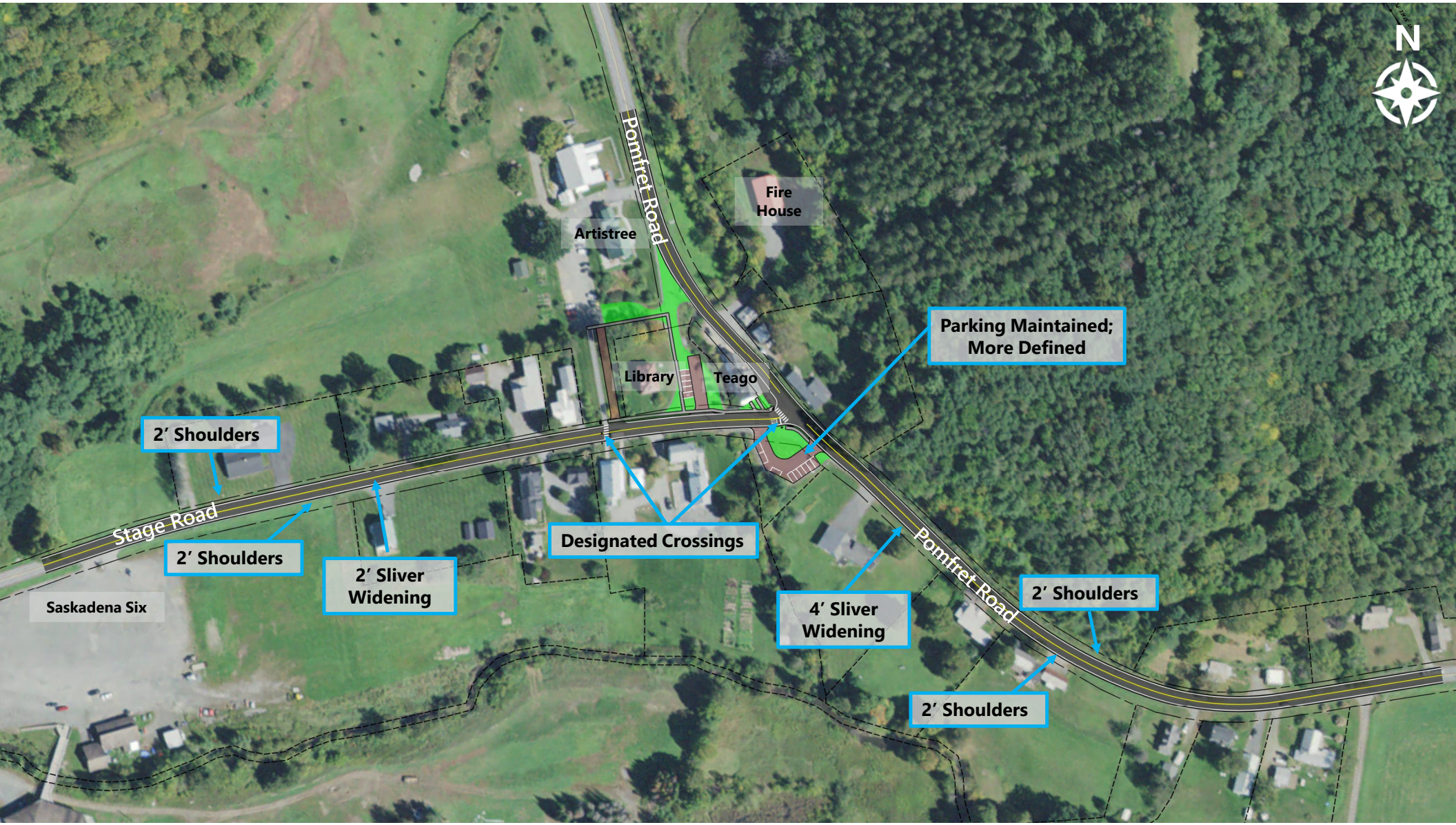
ES21

Alternative 3


N
Pomfret Road
Fire House
Artistree
One Way
One Way
Library
Teago
4′ Shoulders
Stage Road
4′ Shoulders
4′ Sliver Widening
Designated Crossings
Pomfret Road
4′ Shoulders
8′ Sliver Widening
4′ Shoulders
Saskadena Six


N
Pomfret Road
4′ Shoulders
One Way
One Way
Parking Maintained;
More Defined
Additional Parking
4′ Shoulders
Stage Road
4′ Shoulders
4′ Sliver
Widening
4′ Shoulders
Defined Crossing
4′ Shoulders
Pomfret Road
8′ Sliver
Widening

Alternative 4


N
Pomfret Road
Fire House
Artistree
Parking Maintained; More Defined
Library
Teago
2′ Shoulders
Stage Road
2′ Shoulders
2′ Sliver Widening
Designated Crossings
Saskadena Six
4′ Sliver Widening
Pomfret Road
2′ Shoulders
2′ Shoulders


N
Pomfret Road
Additional Parking
Library Street Closed
Parking Maintained; More Defined
2' Shoulders
Stage Road
2' Shoulders
Defined Crossing
2' Shoulders
2' Sliver Widening
2' Shoulders
Pomfret Road
4' Sliver Widening

Appendix H

Alternatives Matrix

Evaluation Matrix – Cost, Safety and Community Character

Evaluation Matrix	**Alternative 1**	**Alternative 2**	**Alternative 3**	**Alternative 4**
	Library Street tees into Pomfret Road and Stage Road, Medians on Stage and Pomfret approaches, Aristree exit to Stage Road, Alternating 4' Shoulders on Stage Road	Pomfret Road tees into Library Street, Artistree exit to Stage Road with Parking, 4' Shoulder Southside on Stage Road	One-way Pair for Pomfret Road and Library Street, Parallel Parking both sides Library Street, 4' Shoulders on Stage Road	Library Street closed to traffic, Stage Roads tee into Pomfret Road, 2' Shoulders on Stage Road
Cost				
Relative Cost Scale	$758,832	$765,414	$949,898	$784,479
Safety & Mobility				
Pedestrian Access & Safety	Improved	Improved	Improved	Improved
Bicyclist Access & Safety	Slighty Improved	Slightly Improved	Improved	Slightly Improved
Vehicle Safety	Improved	Improved	Improved	Improved
Community Character				
Aesthetics	Improved	Improved	Improved	Improved
Satisfies Purpose & Need	Yes	Yes	Yes	Yes

Evaluation Matrix – Anticipated Impacts

Evaluation Matrix	Alternative 1 Library Street tees into Pomfret Road and Stage Road, Medians on Stage and Pomfret approaches, Aristree exit to Stage Road, Alternating 4' Shoulders on Stage Road	Alternative 2 Pomfret Road tees into Library Street, Artistree exit to Stage Road with Parking, 4' Shoulder Southside on Stage Road	Alternative 3 One-way Pair for Pomfret Road and Library Street, Parallel Parking both sides Library Street, 4' Shoulders on Stage Road	Alternative 4 Library Street closed to traffic, Stage Roads tee into Pomfret Road, 2' Shoulders on Stage Road
Impacts				
ROW Impacts	Moderate - Library Street and Aristree Driveway reconfiguration	Moderate - Library Street and Aristree Driveway reconfiguration	Minor - Library Street	Moderate - Library Street and Aristree Driveway Reconfiguration
Utility Impacts	Moderate	Moderate	High	Moderate
Agricultural Lands	None	None	None	None
Archaeological	Minor	Minor	Minor	Minor
Historic	Required	Required	Required	Required
Fish & Wildlife	None	None	None	None
Rare Threatened & Endangered Species	None	None	None	None
Public Lands - Sect. 4(f)	Required - Library	Required - Library	Required - Library	Required - Library
Wetlands	None	None	None	None
New Impervious Surfaces	Minor	Minor	Moderate	Minor

Evaluation Matrix – Anticipated Permitting

Evaluation Matrix	Alternative 1 Library Street tees into Pomfret Road and Stage Road, Medians on Stage and Pomfret approaches, Aristree exit to Stage Road, Alternating 4' Shoulders on Stage Road	Alternative 2 Pomfret Road tees into Library Street, Artistree exit to Stage Road with Parking, 4' Shoulder Southside on Stage Road	Alternative 3 One-way Pair for Pomfret Road and Library Street, Parallel Parking both sides Library Street, 4' Shoulders on Stage Road	Alternative 4 Library Street closed to traffic, Stage Roads tee into Pomfret Road, 2' Shoulders on Stage Road
Permitting				
Act 250	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Section 404 - Wetlands (USACOE)	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Section 401 Water Quality Certification	Not Applicable	Not Applicable	Not Applicable	Not Applicable
State Wetlands Permit	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Stream Alteration Permit	Potential	Potential	Potential	Potential
Construction Phase Storm Water Discharge Permit (General Permit 3-9020)	Not Anticipated	Not Anticipated	Not Anticipated	Not Anticipated
Operational Phase Storm Water Discharge Permit (General Permit 3-9015)	Not Anticipated	Not Anticipated	Not Anticipated	Not Anticipated
Lakes & Ponds	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Rare, Threatened, and Endangered Species	Not Anticipated	Not Anticipated	Not Anticipated	Not Anticipated
Section 1111 Permit	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Appendix I

Alternatives Concepts Cost Estimate

Computations

Project: Pomfret Village Scoping Study
Location: South Pomfret, VT
Calculated by: SL
Checked by:
Title: Conceptual Cost Estimate Calculations - Alt 1

Project #: 58786.00
Sheet: 1 of 5
Date: 2/22/23
Date:

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	156	CY	$68.95	$10,756	6" depth
Coarse-Milling	9495	SY	$2.26	$21,458	
Aggregate Surface Course	64	CY	$58.12	$3,733	6" depth
Pavement	2248	TON	$90.35	$203,104	3" depth
Crushed Gravel, Fine Graded	638	CY	$84.58	$53,945	1' depth
Dense Graded Crushed Stone	759	CY	$70.10	$53,195	1' depth
Sidewalk					
Vertical Granite Curb	263	LF	$64.61	$17,008	
Sidewalk, 5"	170	SY	$124.10	$21,079	
Detectable Warning Surface	40	SF	$42.07	$1,683	
Line Striping					
4" White Line	4442	LF	$2.37	$10,528	
4" Yellow Line	3062	LF	$3.75	$11,484	
Stop Bars	47	LF	$14.35	$674	
Letters and Symbols	13	EACH	$274.44	$3,568	
Crosswalks	100	LF	$25.88	$2,588	
Landscaping					
Remove and Reset Fence	40	LF	$63	$2,511	
Seed	17	LB	$14.07	$242	application rate of 120 lb/acre
Topsoil	77	CY	$50.47	$3,897	4" depth
Street Light Assembly	2	EACH	$7,256.31	$14,513	
Signing					
Traffic Sign, Type A	20	SF	$23.61	$472	est 5 SF/EACH avg
Square Tube Sign Post and Anchor	135	LF	$13.61	$1,837	est 15 LF/EACH
Removing Signs	7	EACH	$32.65	$229	
Resetting Signs	6	EACH	$69.66	$418	
			Subtotal	$438,924	
15% Contingency				$65,839	
8% Mobilization				$35,114	
			Subtotal	$539,876	
ROW		LS		$30,000	
8% Local Project Manager				$43,190	
12% Engineering and Design				$64,785	
15% Construction Inspection				$80,981	
			Total	$758,832	

Computations

Project:	**Pomfret Village Scoping Study**	**Project #:**	**58786.00**
Location:	**South Pomfret, VT**	**Sheet:**	**2 of 5**
Calculated by:	**SL**	**Date:**	**2/22/23**
Checked by:	**RO**	**Date:**	
Title:	**Conceptual Cost Estimate Calculations - Alt 2**		

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	185	CY	$68.95	$12,758	6" depth
Coarse-Milling	9444	SY	$2.26	$21,343	
Aggregate Surface Course	86	CY	$58.12	$4,974	6" depth
Pavement	2275	TON	$90.35	$205,509	3" depth
Crushed Gravel, Fine Graded	673	CY	$84.58	$56,884	1' depth
Dense Graded Crushed Stone	794	CY	$70.10	$55,631	1' depth
Sidewalk					
Aggregate Surface Course, Trail	23	CY	$31.87	$741	6" depth
Vertical Granite Curb	148	LF	$64.61	$9,540	
Sidewalk, 5"	166	SY	$124.10	$20,623	
Detectable Warning Surface	32	SF	$42.07	$1,346	
Line Striping					
4" White Line	4469	LF	$2.37	$10,593	
4" Yellow Line	3147	LF	$3.75	$11,803	
Stop Bars	57	LF	$14.35	$818	
Letters and Symbols	13	EACH	$274.44	$3,568	
Crosswalks	82	LF	$25.88	$2,122	
Landscaping					
Remove and Reset Fence	40	LF	$63	$2,511	
Seed	22	LB	$14.07	$309	application rate of 120 lb/acre
Topsoil	99	CY	$50.47	$4,974	4" depth
Street Light Assembly	2	EACH	$7,256.31	$14,513	
Signing					
Traffic Sign, Type A	25	SF	$23.61	$590	est 5 SF/EACH avg
Square Tube Sign Post and Anchor	75	LF	$13.61	$1,021	est 15 LF/EACH
Removing Signs	7	EACH	$32.65	$229	
Resetting Signs	7	EACH	$69.66	$488	
			Subtotal	$442,887	
15% Contingency				$66,433	
8% Mobilization				$35,431	
			Subtotal	$544,751	
ROW		LS		$30,000	
8% Local Project Manager				$43,580	
12% Engineering and Design				$65,370	
15% Construction Inspection				$81,713	
			Total	$765,414	

Computations

Project:	**Pomfret Village Scoping Study**	**Project #:**	**58786.00**
Location:	**South Pomfret, VT**	**Sheet:**	**3 of 5**
Calculated by:	**SL**	**Date:**	**2/22/23**
Checked by:	**RO**	**Date:**	
Title:	**Conceptual Cost Estimate Calculations - Alt 3**		

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	78	CY	$68.95	$5,389	6" depth
Coarse-Milling	10589	SY	$2.26	$23,931	
Pavement	2824	TON	$90.35	$255,111	3" depth
Crushed Gravel, Fine Graded	1024	CY	$84.58	$86,600	1' depth
Dense Graded Crushed Stone	1212	CY	$70.10	$84,976	1' depth
Sidewalk					
Vertical Granite Curb	226	LF	$64.61	$14,617	
Sidewalk, 5"	214	SY	$124.10	$26,616	
Detectable Warning Surface	32	SF	$42.07	$1,346	
Line Striping					
4" White Line	5965	LF	$2.37	$14,138	
4" Yellow Line	3018	LF	$3.75	$11,317	
8" Yellow Line	520	LF	$5.33	$2,772	
Stop Bars	36	LF	$14.35	$517	
Letters and Symbols	9	EACH	$274.44	$2,470	
Crosswalks	78	LF	$25.88	$2,019	
Landscaping					
Remove and Reset Fence	40	LF	$63	$2,511	
Seed	7	LB	$14.07	$96	application rate of 120 lb/acre
Topsoil	31	CY	$50.47	$1,546	4" depth
Street Light Assembly	2	EACH	$7,256.31	$14,513	
Signing					
Traffic Sign, Type A	65	SF	$23.61	$1,535	est 5 SF/EACH avg
Square Tube Sign Post and Anchc	120	LF	$13.61	$1,633	est 15 LF/EACH
Removing Signs	6	EACH	$32.65	$196	
Resetting Signs	2	EACH	$69.66	$139	
			Subtotal	$553,988	
15% Contingency				$83,098	
8% Mobilization				$44,319	
			Subtotal	$681,406	
ROW		LS		$30,000	
8% Local Project Manager				$54,512	
12% Engineering and Design				$81,769	
15% Construction Inspection				$102,211	
			Total	$949,898	

Computations

Project: Pomfret Village Scoping Study
Location: South Pomfret, VT
Calculated by: SL
Checked by: RO
Title: Conceptual Cost Estimate Calculations - Alt 4

Project #: 58786.00
Sheet: 4 of 5
Date: 2/22/23
Date:

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	273	CY	$68.95	$18,828	6" depth
Coarse-Milling	8789	SY	$2.26	$19,864	
Aggregate Surface Course	172	CY	$58.12	$9,996	6" depth
Pavement	2112	TON	$90.35	$190,797	3" depth
Crushed Gravel, Fine Graded	621	CY	$84.58	$52,507	1' depth
Dense Graded Crushed Stone	742	CY	$70.10	$52,003	1' depth
Sidewalk					
Solid Rock Excavation	8	CY	$71.92	$579	5" depth
Vertical Granite Curb	263	LF	$64.61	$16,977	
Removal of Existing Curb	87	LF	$8.97	$777	
Sidewalk, 5"	366	SY	$124.10	$45,462	
Detectable Warning Surface	24	SF	$42.07	$1,010	
Line Striping					
4" White Line	5936	LF	$2.37	$14,068	
4" Yellow Line	2968	LF	$3.75	$11,130	
Stop Bars	11	LF	$14.35	$158	
Letters and Symbols	5	EACH	$274.44	$1,372	
Crosswalks	48	LF	$25.88	$1,242	
Landscaping					
Seed	34	LB	$14.07	$471	application rate of 120 lb/acre
Topsoil	150	CY	$50.47	$7,577	4" depth
Street Light Assembly	1	EACH	$7,256.31	$7,256	
Signing					
Traffic Sign, Type A	20	SF	$23.61	$472	est 5 SF/EACH avg
Square Tube Sign Post and Anchor	90	LF	$13.61	$1,225	est 15 LF/EACH
Removing Signs	14	EACH	$32.65	$457	
Resetting Signs	2	EACH	$69.66	$139	
			Subtotal	$454,368	
15% Contingency				$68,155	
8% Mobilization				$36,349	
			Subtotal	$558,873	
ROW		LS		$30,000	
8% Local Project Manager				$44,710	
12% Engineering and Design				$67,065	
15% Construction Inspection				$83,831	
			Total	$784,479	

Appendix J

Preferred Concept Plans



SCALE 1" = 60'-0"
60 0 60

PROJECT NAME:	SOUTH POMFRET VILLAGE
PROJECT NUMBER:	58786.00
FILE NAME: 58786.00_bdr.dgn	PLOT DATE: 1/25/2023
PROJECT LEADER: K. SENTOFF	DRAWN BY: R. O'BRIEN
DESIGNED BY: R. O'BRIEN	CHECKED BY: K. SENTOFF
PREFERRED ALTERNATIVE SHEET (1 OF 3)	SHEET 1 OF 5



SCALE 1" = 120'-0"
120 0 120

PROJECT NAME: SOUTH POMFRET VILLAGE
PROJECT NUMBER: 58786.00

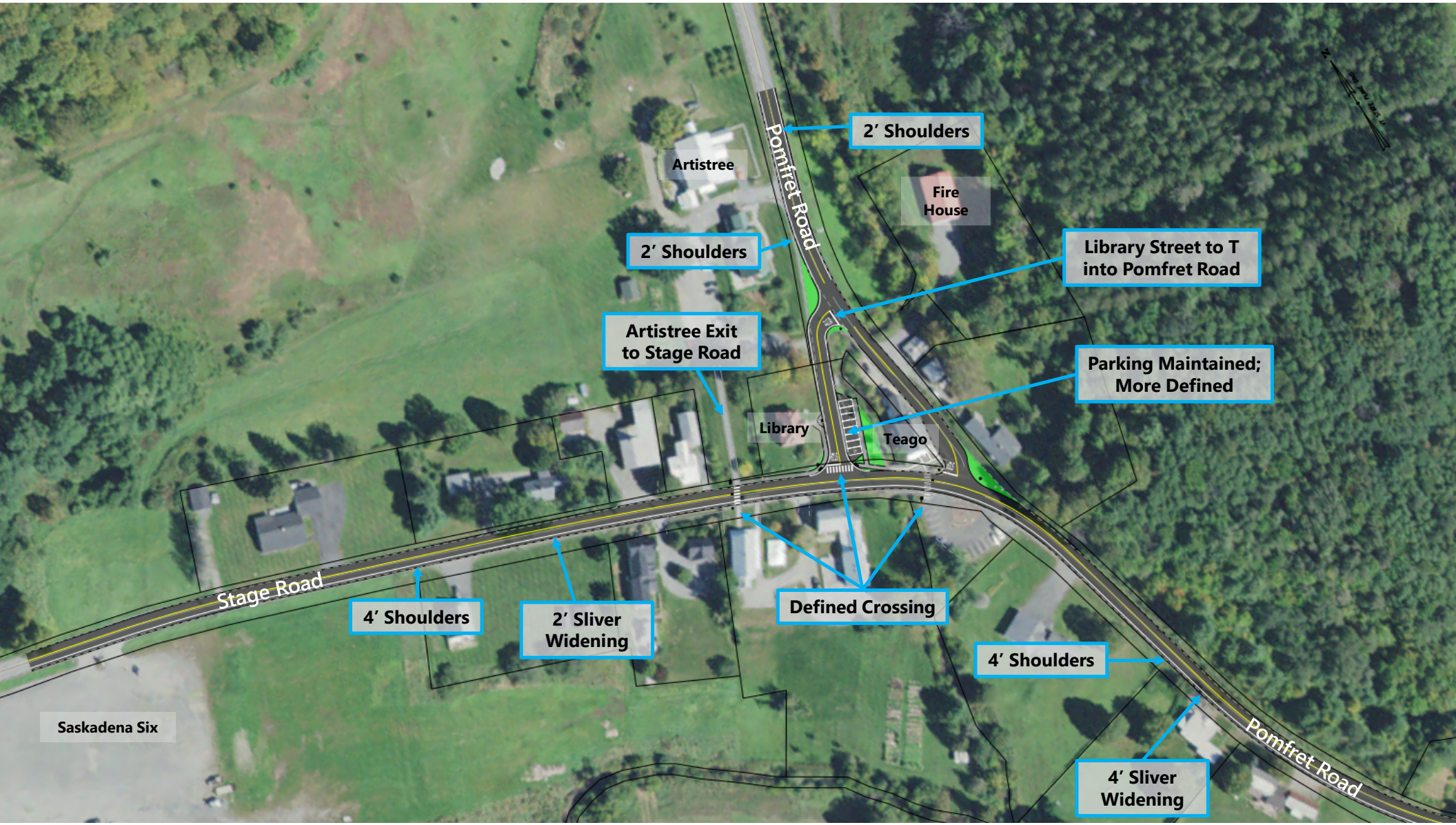
FILE NAME: 58786.00_bdr.dgn
PROJECT LEADER: K. SENTOFF
DESIGNED BY: R. O'BRIEN
PREFERRED ALTERNATIVE SHEET (2 OF 3)

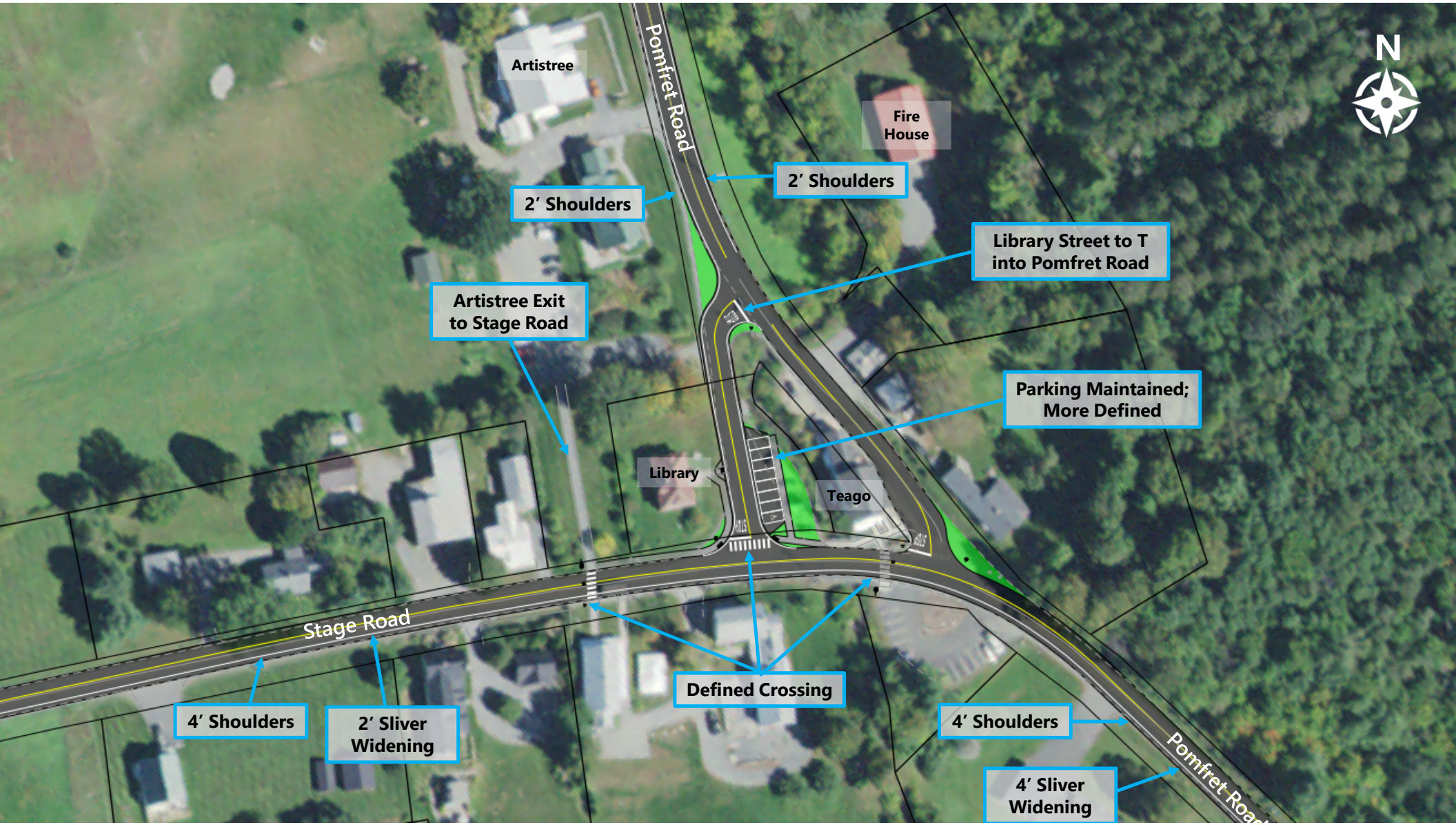
PLOT DATE: 1/25/2023
DRAWN BY: R. O'BRIEN
CHECKED BY: K. SENTOFF
SHEET 2 OF 5



SCALE 1" = 20'-0"
20 0 20

PROJECT NAME:	SOUTH POMFRET VILLAGE
PROJECT NUMBER:	58786.00
FILE NAME: turning movements.dgn	PLOT DATE: 1/25/2023
PROJECT LEADER: K. SENTOFF	DRAWN BY: R. O'BRIEN
DESIGNED BY: R. O'BRIEN	CHECKED BY: ------
PREFERRED ALTERNATIVE SHEET (3 OF 3)	SHEET 3 OF 5


2′ Shoulders
Pomfret Road
Artistree
Fire House
2′ Shoulders
Library Street to T into Pomfret Road
Artistree Exit to Stage Road
Parking Maintained; More Defined
Library
Teago
Stage Road
4′ Shoulders
2′ Sliver Widening
Defined Crossing
4′ Shoulders
Saskadena Six
Pomfret Road
4′ Sliver Widening


N
Artistree
Pomfret Road
Fire House
2′ Shoulders
2′ Shoulders
Library Street to T into Pomfret Road
Artistree Exit to Stage Road
Parking Maintained; More Defined
Library
Teago
Stage Road
Defined Crossing
4′ Shoulders
2′ Sliver Widening
4′ Shoulders
4′ Sliver Widening
Pomfret Road

Appendix K

Preferred Concept Cost Estimate

Computations

Project: Pomfret Village Scoping Study
Project #: 58786.00
Location: South Pomfret, VT
Sheet: 5 of 5
Calculated by: SL
Date: 2/22/23
Checked by:
Date:
Title: Conceptual Cost Estimate Calculations - Final Alternative

	Quantity	Unit	Cost/Unit	Total Cost	
Roadway					
Excavation of Pavement	90	CY	$68.95	$6,178	6" depth
Coarse-Milling	1669	SY	$23.69	$39,549	
Pavement	1399	TON	$128.47	$179,704	3" depth
Crushed Gravel, Fine Graded	1113	CY	$84.58	$94,099	1' depth
Dense Graded Crushed Stone	1640	CY	$70.10	$114,997	1' depth
Sidewalk					
Vertical Granite Curb, Mountable	790	LF	$95.00	$75,069	
Sidewalk, 5"	208	SY	$135.31	$28,108	
Detectable Warning Surface	30	SF	$56.27	$1,688	
Line Striping					
4" White Line	7529	LF	$2.54	$19,125	
4" Yellow Line	7155	LF	$2.49	$17,816	
Stop Bars	60	LF	$14.56	$866	
Letters and Symbols	13	EACH	$188.42	$2,449	
Crosswalks	168	LF	$27.97	$4,699	
Landscaping					
Remove and Reset Utility Pole	2	EACH			Work to be done by Utility Company
Seed	7	LB	$20.75	$145	application rate of 120 lb/acre
Topsoil	31	CY	$66.73	$2,089	4" depth
Street Light Assembly	2	EACH	$12,035.23	$24,070	
Signing					
Traffic Sign, Type A	30	SF	$30.39	$912	est 5 SF/EACH avg
Square Tube Sign Post and Anchor	60	LF	$20.96	$1,258	est 15 LF/EACH
Removing Signs	7	EACH	$31.64	$221	
Resetting Signs	5	EACH	$69.66	$348	
			Subtotal	$613,391	
25% Contingency				$153,348	
8% Mobilization				$49,071	
			Subtotal	$815,810	
ROW		LS		$30,000	
8% Local Project Manager				$65,265	
12% Engineering and Design				$97,897	
15% Construction Inspection				$122,372	
			Total	$1,131,344	