

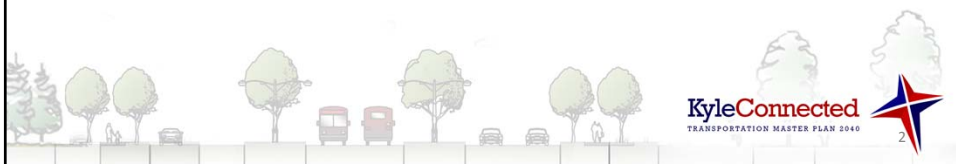


## **Kyle Transportation Master Plan (KTMP)**

City Council Update  
Tuesday, July 21, 2015

### **Project Team**

Lockwood, Andrews & Newnam, Inc.  
Prime Strategies, Inc.  
Gap Strategies  
Kimley-Horn Associates



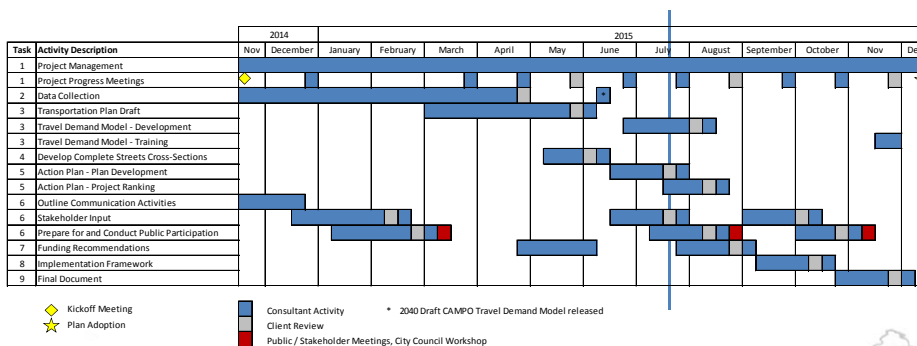
# Presentation Agenda

1. Schedule Update
2. Review of Products to Date
  - Typical sections / cost estimates
  - Draft network
3. Financial Strategies
4. Implementation
  - Prioritization Criteria
  - Corridor Preservation
5. Public Outreach



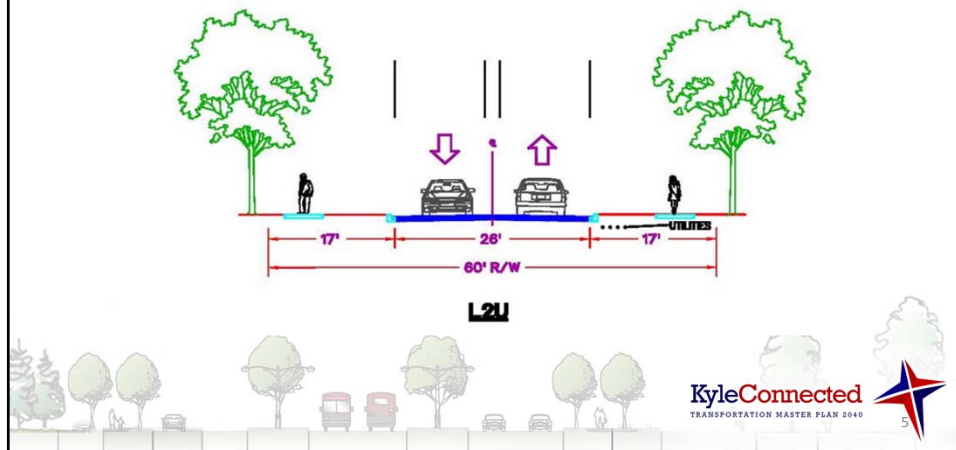
# Schedule Update

- Analyzing CAMPO Model (Released)
- Survey and Public Meetings



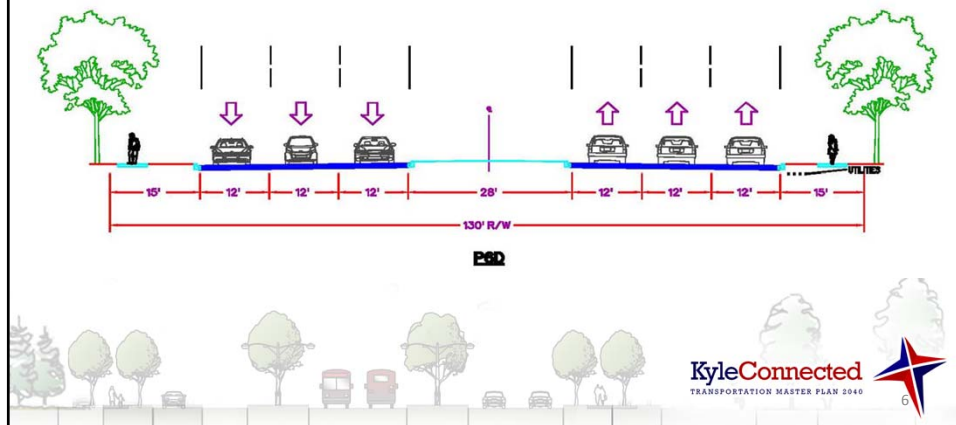
## Review of Products to Date

- **Typical Sections**
  - Local, Collector, Arterial—various versions
  - Utilities, Parking, Trails as appropriate



## Review of Products to Date

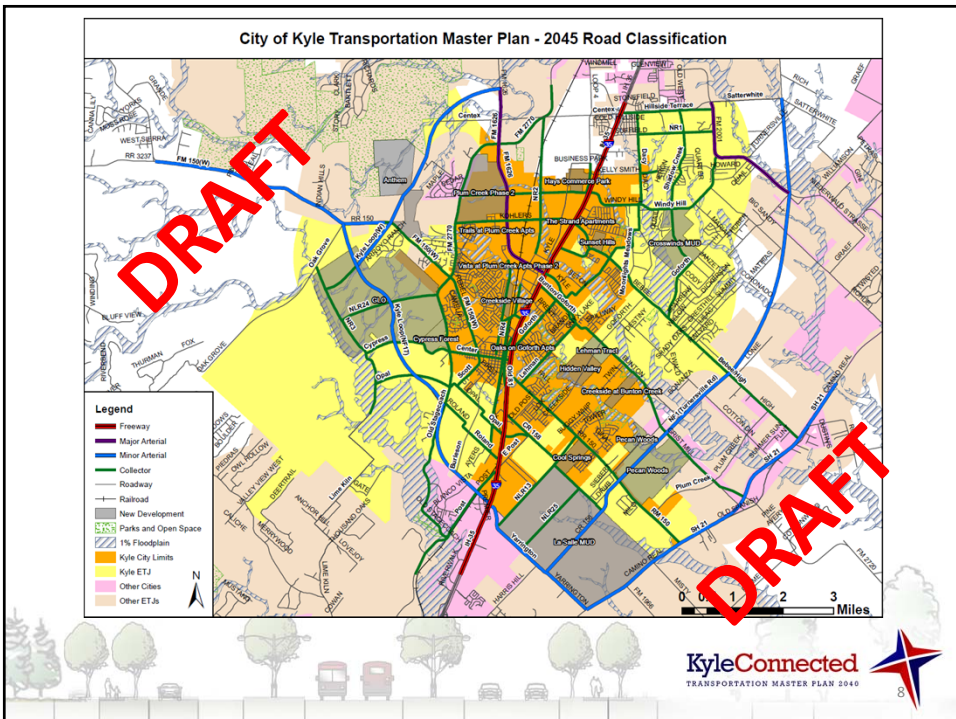
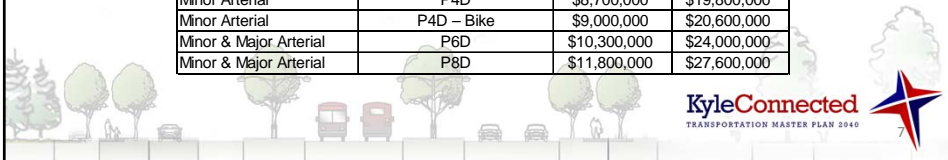
- **Typical Sections**
  - Local, Collector, Arterial—various versions
  - Utilities, Parking, Trails as appropriate

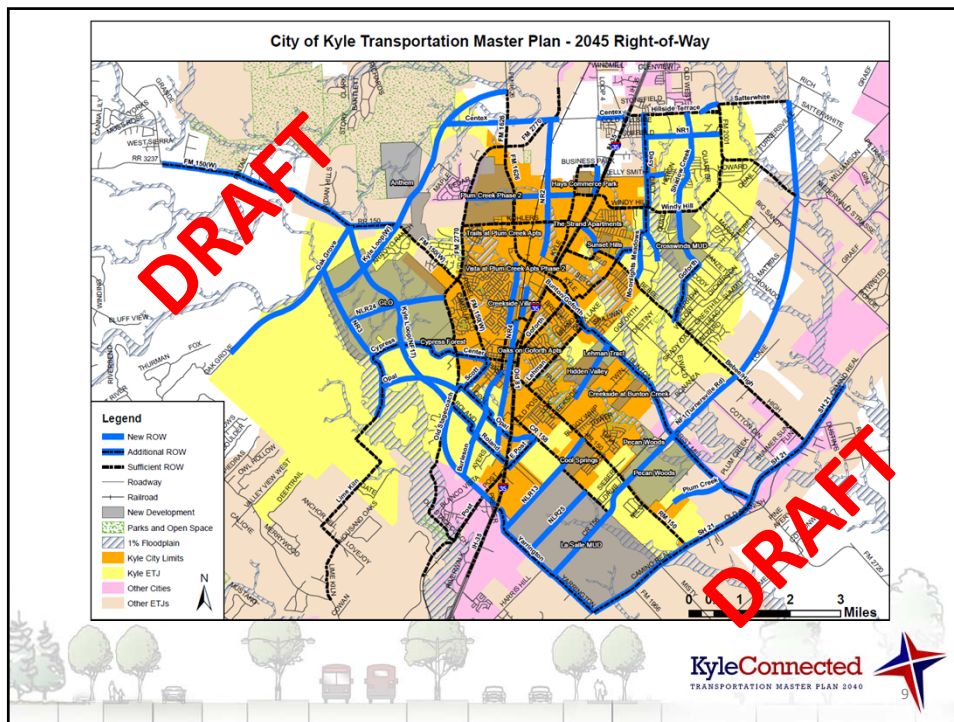


## Review of Products to Date

- Cost Estimates:**
- 10% Construction Oversight
  - 10% Contingency
  - 20% Pre-Construction costs

Classifications	Typical Section	Cost Estimate (per Mile)*	
		w/o ROW Cost	w/ ROW Cost
Multi-Use Path	MUP	\$900,000	\$3,400,000
Local	L2U	\$5,500,000	\$11,800,000
Local/ Collector / Major & Minor Arterial	R2U	\$3,600,000	\$7,400,000
Collector	C2U	\$6,100,000	\$12,400,000
Collector	C2U – Bike or Parking	\$6,200,000	\$12,500,000
Collector	C3U	\$6,300,000	\$12,600,000
Collector	C4U	\$6,700,000	\$14,100,000
Collector	C4U – Bike or Parking	\$7,700,000	\$16,100,000
Collector & Minor Arterial	C4D	\$7,400,000	\$15,800,000
Collector & Minor Arterial	C4D – Bike or Parking	\$8,500,000	\$18,000,000
Collector & Minor Arterial	C5U	\$7,600,000	\$16,000,000
Minor Arterial	P4D	\$8,700,000	\$19,800,000
Minor Arterial	P4D – Bike	\$9,000,000	\$20,600,000
Minor & Major Arterial	P6D	\$10,300,000	\$24,000,000
Minor & Major Arterial	P8D	\$11,800,000	\$27,600,000





## Review of Products to Date

- Draft Network Discussion
  - List of Existing / In-Process Subdivisions

Project Name	Status
Anthem	In Design
Brookside Phase 2	Approved
Bunton Creek remaining phases	In Review
Cool Springs	In Review
Creekside at Bunton Creek	Concept
Creekside Village	In Review
Crosswinds MUD	In Review
Cypress Forest	Concept
GLO	Concept
Hays Commerce Park	In Review
Hidden Valley	Concept

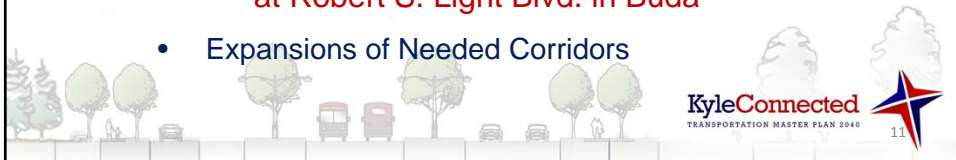
Project Name	Status
La Salle MUD	Concept
Lehman Tract	Concept
Oaks of Kyle Apts	Under Construction
Pecan Woods	Concept
Plum Creek Phase 2	Concept
Sunset Hills	In Review
The Strand Apartments	Under Construction
Trails at Plum Creek Apts	Under Construction
Vista at Plum Creek Apts Phase 2	Under Construction
Villas at Creekside Phase 2	Approved

## Review of Products to Date

- Draft Network Discussion
  - Overall CIP Cost Estimate for Impact Fees

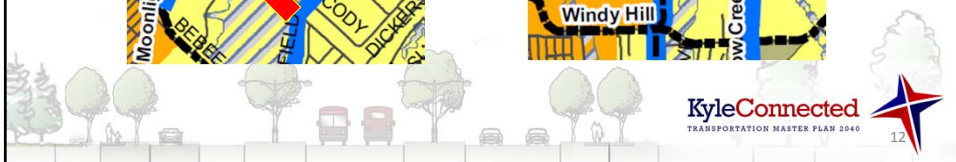
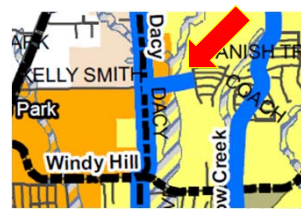
Cost Estimate Total by Road Owner	
Owner	Price Total
Kyle	\$ 540,640,000
Hays-ETJ	\$ 481,460,000
Hays-non-ETJ	\$ 378,880,000
TxDOT	\$ 1,820,100,000
<b>TOTAL</b>	<b>\$ 3,221,080,000</b>

- Definition of Network to West
  - Includes Relocated FM 150
  - Kyle Loop around Mountain City to FM 1626 at Robert S. Light Blvd. in Buda
- Expansions of Needed Corridors



## Review of Products to Date

- Draft Network Discussion
  - “Missed Connections” within Developed Areas
  - Short-Distance *Local* cross-sections
  - Sunrise and Kelly Smith are good examples:  
A short roadway can add a second access route to an area taking access off another corridor



## Financial Strategies: Funding Commitments

- Operations & Maintenance/City Services (98% of Ad Valorem tax revenues)
- New sewer plant for current needs; future sewer capacity
- \$113 million current debt (includes recent \$42.5 million road bond issue)
- \$15 million Chapter 380 agreement obligations
- \$60 million Hays County PUA obligation - PENDING
- Downtown revitalization program
- Dedicated economic development grant program - \$10 million grant in 2014
- Drainage improvements
- Lone Star Rail - PENDING



## Financial Strategies: Available Funding in Use

- Property tax
- General Obligation Bonds
- Certificates of Obligation
- Sales Tax
- Tax Increment Financing/Reinvestment Zones (TIF's/TIRZ's)
- Chapter 380 Agreements
- Utility/Permit Fees
- Plat filing/Subdivision Fees
- Fines



## Financial Strategies: Potential Funding

- **Transportation Reinvestment Zones (TRZ's)**
- 4A, 4B Sales Tax Corporation - only if Council elects to seek re-dedication of current sales tax use(s)
- **Competitive funding opportunities (e.g., CAMPO, Federal programs, etc.)**
- Development Impact Fees
- **Transportation Utility Fees**



## Financial Strategies: Enhancing City Competitiveness

- **Competitive Funding Opportunities**
  - Local/Regional
  - CAMPO STP-MM
- **State**
  - Proposition 1
  - Proposition 7 (if voter referendum successful in November)
- **Federal**
  - Transportation Investment Generating Economic Recovery (TIGER) grant
  - Other US DOT grant programs as authorized





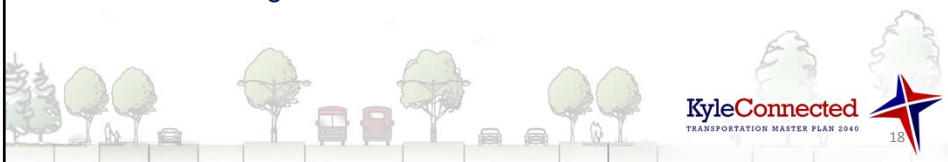
## Financial Strategies: Enhancing City Competitiveness

- Identify and fund development of local and regionally significant projects to be “shovel-ready” for future competitive funding opportunities
- Create grant review team to review grant criteria and work with Council and City Engineer to identify the most competitive project(s) that match grant criteria
- Develop regional partnerships to identify list of regionally significant projects in each partner area that are highly competitive; cooperatively fund development of projects to be “shovel-ready” for future competitive funding opportunities



## Implementation Recommendations

- **Prioritization Criteria**
  - Congestion / Connectivity Benefit
  - Safety Issues
  - Cost / Right-of-Way Need
  - Economic Development
  - Community Impact / Project Readiness
  - Environmental / Constructability Issues
  - Drainage Needs / Other Elements



## Post-Project Plan Implementation

- **Corridor Preservation Ordinance**
  - Needed for Implementation of TMP
  - Should dedicate Ultimate ROW
  - Could be Included in Unified Development Code
  - Could be Codified as Plat Requirement
  - Could be a Check by Planning & Zoning



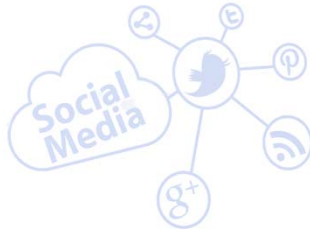
## Public Involvement So Far



- **Kick off meeting**
  - March 9
  - Advertised around town, through neighborhood groups, social media, and in the Hays Free Press



## Public Involvement So Far



- Outreach online via the website, Facebook page, and Twitter
  - KyleConnected.com
  - Facebook.com/KyleConnected
  - Twitter.com/KyleConnected



## Next Steps for Citizens



1. Town Hall Meeting
2. Community Survey



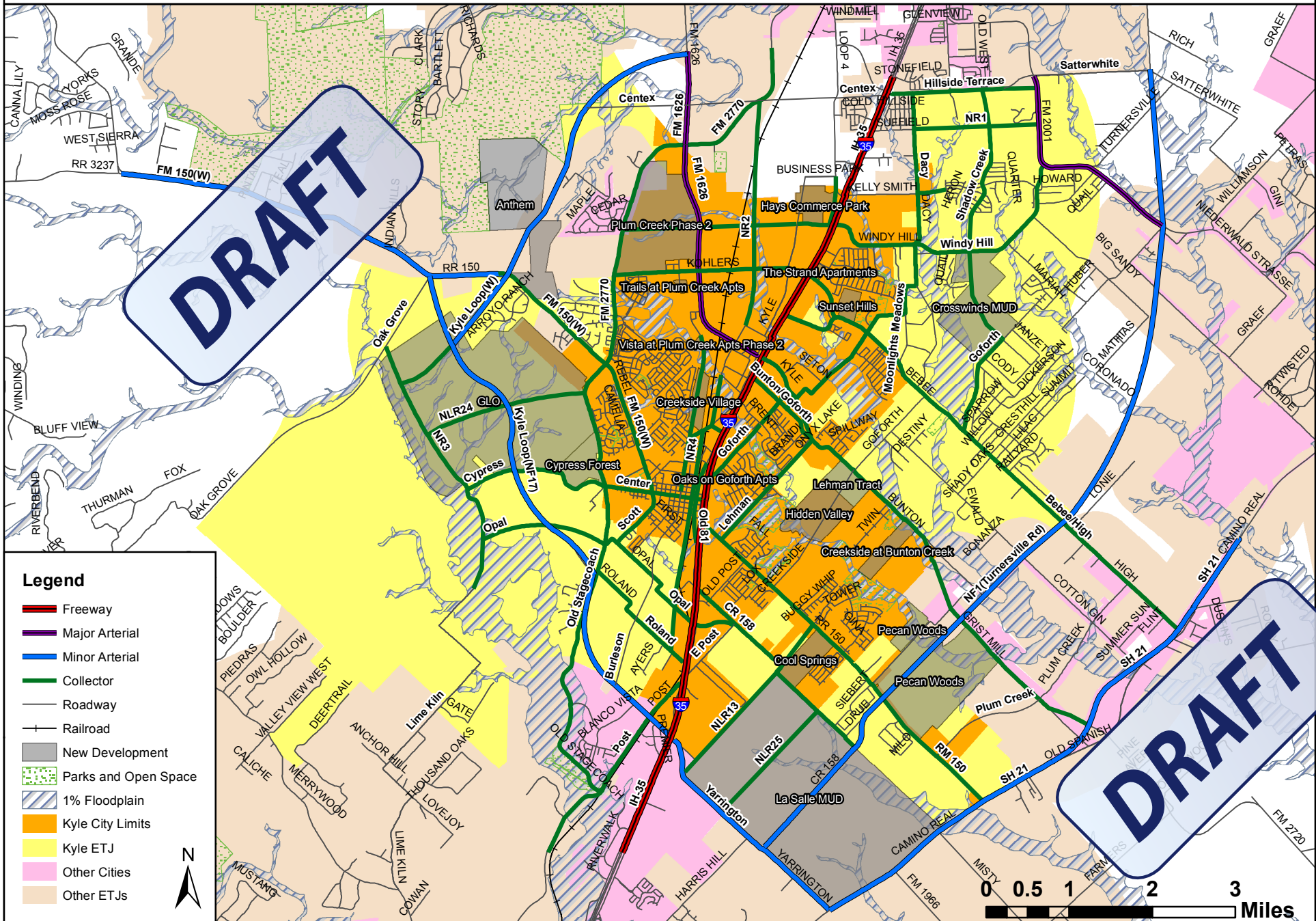


**Questions?  
Comments ?**

KyleConnected  
TRANSPORTATION MASTER PLAN 2040

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# City of Kyle Transportation Master Plan - 2045 Road Classification



## Legend

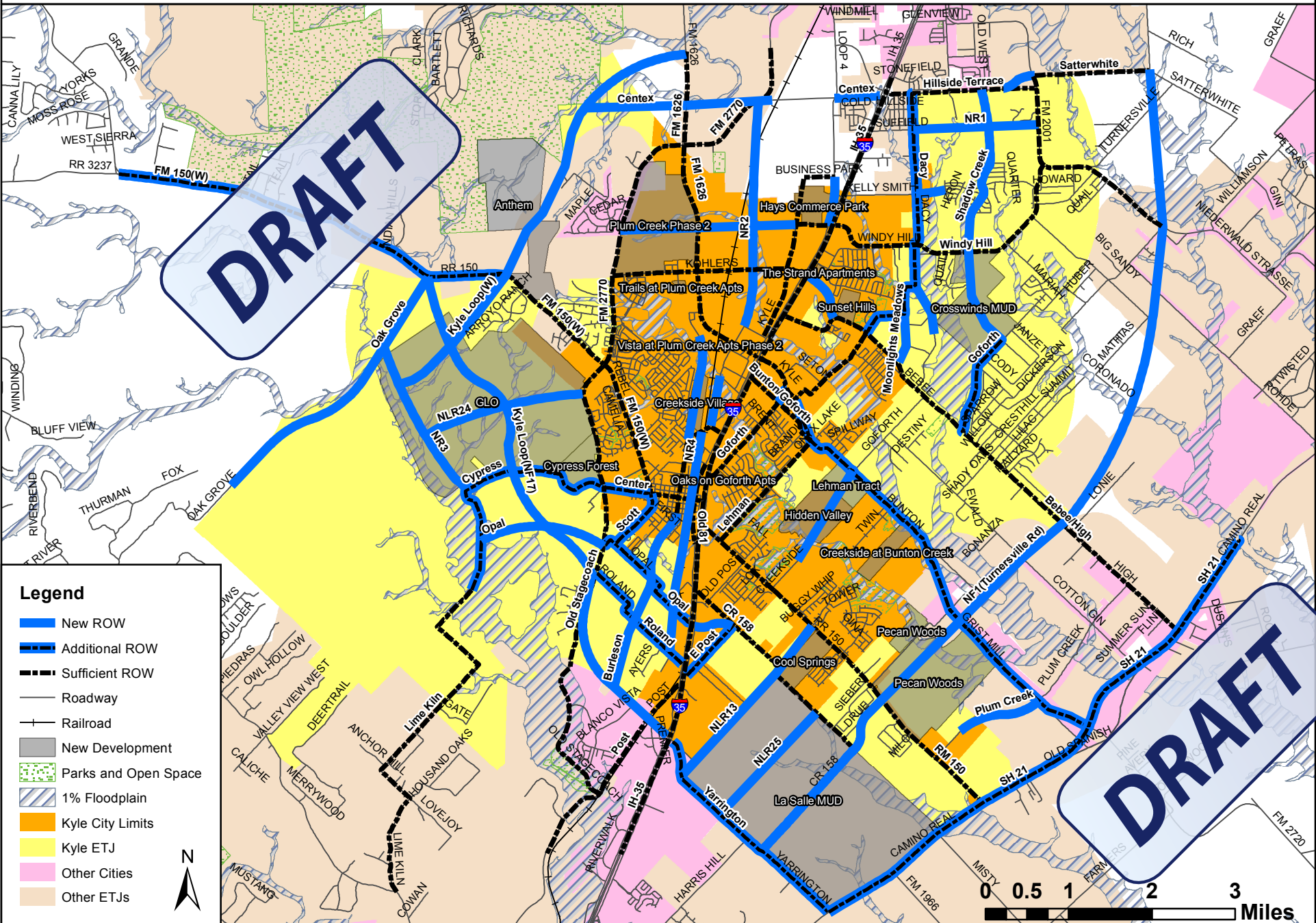
- Freeway
- Major Arterial
- Minor Arterial
- Collector
- Roadway
- Railroad
- New Development
- Parks and Open Space
- 1% Floodplain
- Kyle City Limits
- Kyle ETJ
- Other Cities
- Other ETJs



# City of Kyle Transportation Master Plan - 2045 Right-of-Way

**DRAFT**

**DRAFT**



## Legend

- New ROW
- Additional ROW
- Sufficient ROW
- Roadway
- Railroad
- New Development
- Parks and Open Space
- 1% Floodplain
- Kyle City Limits
- Kyle ETJ
- Other Cities
- Other ETJs



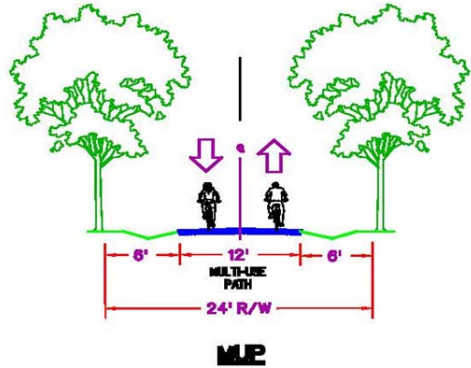
**City of Kyle Transportation Master Plan - 2015 Update**

**Proposed Typical Sections**

Classifications	Typical Section	ROW	Description	Cost Estimate (per Mile)*	
				w/o ROW Cost	w/ ROW Cost
Multi-Use Path	MUP	24'	12' bi-directional multi-use path	\$900,000	\$3,400,000
Local	L2U	60'	Basic 2-lane section for direct lot access	\$5,500,000	\$11,800,000
Local/ Collector / Major & Minor Arterial	R2U	60'	Existing sections without sidewalks or curb/gutter. Not permitted for new construction within Kyle	\$3,600,000	\$7,400,000
Collector	C2U	60'	Wider section for commercial areas; bike and parking are optional	\$6,100,000	\$12,400,000
Collector	C2U – Bike or Parking	60'	Wider section for residential areas; two striped outside lanes for bikes or parking	\$6,200,000	\$12,500,000
Collector	C3U	60'	3-lane section with two-way left-turn lane	\$6,300,000	\$12,600,000
Collector	C4U	70'	Basic 4-lane collector section	\$6,700,000	\$14,100,000
Collector	C4U – Bike or Parking	80'	Two striped outside lanes for bikes or parking	\$7,700,000	\$16,100,000
Collector & Minor Arterial	C4D	80'	Basic 4-lane arterial section	\$7,400,000	\$15,800,000
Collector & Minor Arterial	C4D – Bike or Parking	90'	Two striped outside lanes for bikes or parking	\$8,500,000	\$18,000,000
Collector & Minor Arterial	C5U	80'	5-lane section with two-way left-turn lane	\$7,600,000	\$16,000,000
Minor Arterial	P4D	105'	Basic 4-lane arterial section for high speed roads (>40 mph)	\$8,700,000	\$19,800,000
Minor Arterial	P4D – Bike	110'	12' lanes, with 12' multi-use path for Hike and Bike Trail Segments	\$9,000,000	\$20,600,000
Minor & Major Arterial	P6D	130'	Basic 6-lane arterial section with 12' lanes	\$10,300,000	\$24,000,000
Minor & Major Arterial	P8D	150'	Basic 8-lane arterial section with 12' lanes	\$11,800,000	\$27,600,000

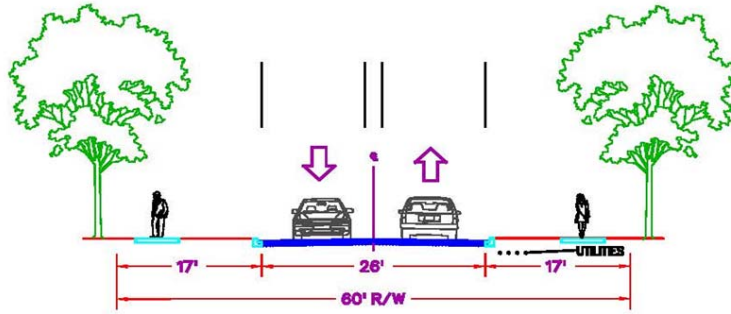
\*Cost estimates include 10% Construction Oversight, 10% Contingency, and 20% Pre-Construction costs

MUP (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	24.0	\$2,500.00	\$60,000.00
110 6001	EXCAVATION (ROADWAY)	CY	3,520.0	\$10.00	\$35,200.00
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	528.0	\$10.00	\$5,280.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	3,520.0	\$1.50	\$5,280.00
162 6002	BLOCK SODDING	SY	352.0	\$3.00	\$1,056.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	126.7	\$148.72	\$18,842.82
260 2006	LIME TRT (EXST MATL) (6")	SY	7,040.0	\$1.68	\$11,827.20
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	7,040.0	\$8.30	\$58,432.00
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	2,904.0	\$65.00	\$188,760.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	1,161.6	\$123.00	\$142,876.80
500 6001	MOBILIZATION	LS	1.0	-	\$61,308.28
PAVEMENT MARKINGS AND SIGNS		MI	1.0	\$10,000.00	\$10,000.00
UTILITIES		MI	1.0	\$50,000.00	\$50,000.00
1122 2037	TEMPORARY SEDIMENT CONTROL FENCE INSTL	LF	10,560.0	\$2.00	\$21,120.00
				<b>TOTAL</b>	<b>\$674,392.00</b>
<b>Pre-Construction</b>				20%	\$134,878.40
<b>Construction Oversight</b>				10%	\$67,439.20
<b>Contingency</b>				10%	\$67,439.20
				<b>TOTAL</b>	<b>\$900,000</b>
				<b>ROW TOTAL</b>	<b>\$2,500,000</b>



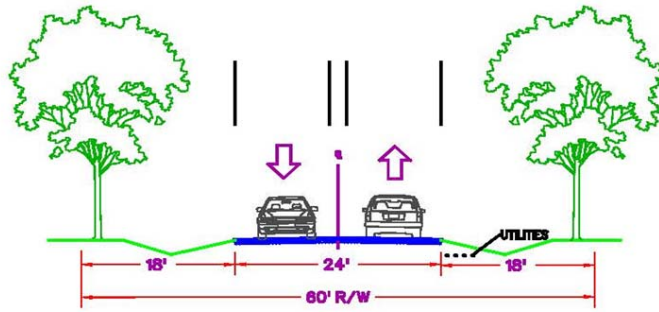


L2U (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	60.0	\$2,500.00	\$150,000.00
110 6001	EXCAVATION (ROADWAY)	CY	7,626.7	\$10.00	\$76,266.67
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	1,144.0	\$10.00	\$11,440.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	7,626.7	\$1.50	\$11,440.00
162 6002	BLOCK SODDING	SY	762.7	\$3.00	\$2,288.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	274.6	\$148.72	\$40,838.51
260 2006	LIME TRT (EXST MATL) (6")	SY	15,253.3	\$1.68	\$25,625.60
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	15,253.3	\$8.30	\$126,602.67
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	6,292.0	\$65.00	\$408,980.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	2,516.8	\$123.00	\$309,566.40
500 6001	MOBILIZATION	LS	1.0	-	\$358,832.78
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	2.0	\$1,500.00	\$3,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$40,000.00	\$40,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$3,947,161.00</b>
	<b>Pre-Construction</b>			20%	\$789,432.20
	<b>Construction Oversight</b>			10%	\$394,716.10
	<b>Contingency</b>			10%	\$394,716.10
				<b>TOTAL</b>	<b>\$5,500,000</b>
				<b>ROW TOTAL</b>	<b>\$6,300,000</b>



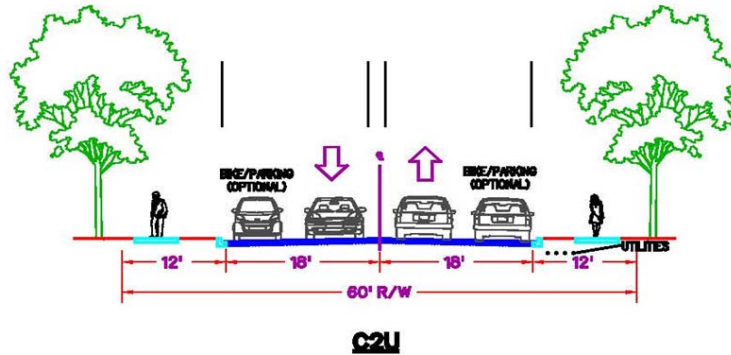
**L2U**

R2U (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	60.0	\$2,500.00	\$150,000.00
105 6005	REMOVING STAB BASE AND ASPH PAV (2")	SY	14,080.0	\$10.00	\$140,800.00
110 6001	EXCAVATION (ROADWAY)	CY	7,040.0	\$10.00	\$70,400.00
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	1,056.0	\$10.00	\$10,560.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	7,040.0	\$1.50	\$10,560.00
162 6002	BLOCK SODDING	SY	704.0	\$3.00	\$2,112.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	253.4	\$148.72	\$37,685.65
260 2006	LIME TRT (EXST MATL) (6")	SY	14,080.0	\$1.68	\$23,654.40
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	14,080.0	\$8.30	\$116,864.00
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	5,808.0	\$65.00	\$377,520.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	2,323.2	\$123.00	\$285,753.60
500 6001	MOBILIZATION	LS	1.0	-	\$233,210.96
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
DRAINAGE		MI	1.0	\$500,000.00	\$500,000.00
TRAFFIC CONTROL		MI	1.0	\$50,000.00	\$50,000.00
PAVEMENT MARKINGS AND SIGNS		MI	1.0	\$40,000.00	\$40,000.00
UTILITIES		MI	1.0	\$400,000.00	\$400,000.00
SW3P		MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$2,565,321.00</b>
<b>Pre-Construction</b>				20%	\$513,064.20
<b>Construction Oversight</b>				10%	\$256,532.10
<b>Contingency</b>				10%	\$256,532.10
				<b>TOTAL</b>	<b>\$3,600,000</b>
				<b>ROW TOTAL</b>	<b>\$3,800,000</b>

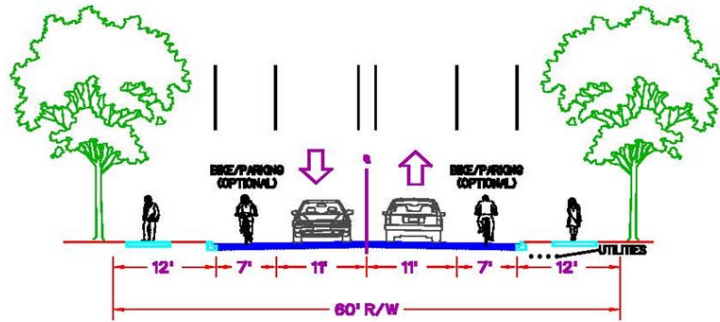


**R2U**

C2U (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	60.0	\$2,500.00	\$150,000.00
110 6001	EXCAVATION (ROADWAY)	CY	10,560.0	\$10.00	\$105,600.00
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	1,584.0	\$10.00	\$15,840.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	10,560.0	\$1.50	\$15,840.00
162 6002	BLOCK SODDING	SY	1,056.0	\$3.00	\$3,168.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	380.2	\$148.72	\$56,543.34
260 2006	LIME TRT (EXST MATL) (6")	SY	21,120.0	\$1.68	\$35,481.60
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	21,120.0	\$8.30	\$175,296.00
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	8,712.0	\$65.00	\$566,280.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	3,484.8	\$123.00	\$428,630.40
500 6001	MOBILIZATION	LS	1.0	-	\$397,795.93
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	2.0	\$1,500.00	\$3,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$40,000.00	\$40,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$4,375,756.00</b>
	<b>Pre-Construction</b>			20%	\$875,151.20
	<b>Construction Oversight</b>			10%	\$437,575.60
	<b>Contingency</b>			10%	\$437,575.60
				<b>TOTAL</b>	<b>\$6,100,000</b>
				<b>ROW TOTAL</b>	<b>\$6,300,000</b>

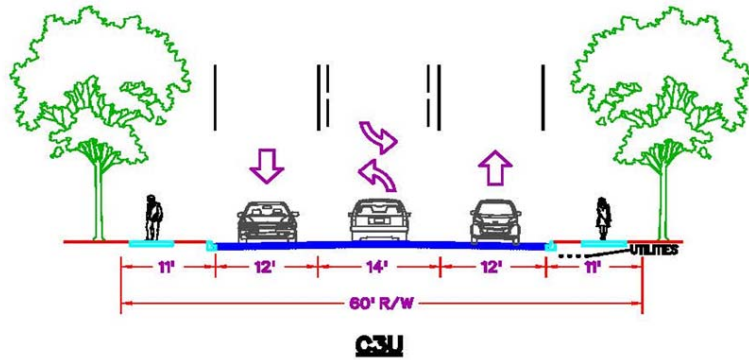


C2U (B/P) (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	60.0	\$2,500.00	\$150,000.00
110 6001	EXCAVATION (ROADWAY)	CY	10,560.0	\$10.00	\$105,600.00
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	1,584.0	\$10.00	\$15,840.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	10,560.0	\$1.50	\$15,840.00
162 6002	BLOCK SODDING	SY	1,056.0	\$3.00	\$3,168.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	380.2	\$148.72	\$56,543.34
260 2006	LIME TRT (EXST MATL) (6")	SY	21,120.0	\$1.68	\$35,481.60
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	21,120.0	\$8.30	\$175,296.00
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	8,712.0	\$65.00	\$566,280.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	3,484.8	\$123.00	\$428,630.40
500 6001	MOBILIZATION	LS	1.0	-	\$399,795.93
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	2.0	\$1,500.00	\$3,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$60,000.00	\$60,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$4,397,756.00</b>
	<b>Pre-Construction</b>			20%	\$879,551.20
	<b>Construction Oversight</b>			10%	\$439,775.60
	<b>Contingency</b>			10%	\$439,775.60
				<b>TOTAL</b>	<b>\$6,200,000</b>
				<b>ROW TOTAL</b>	<b>\$6,300,000</b>

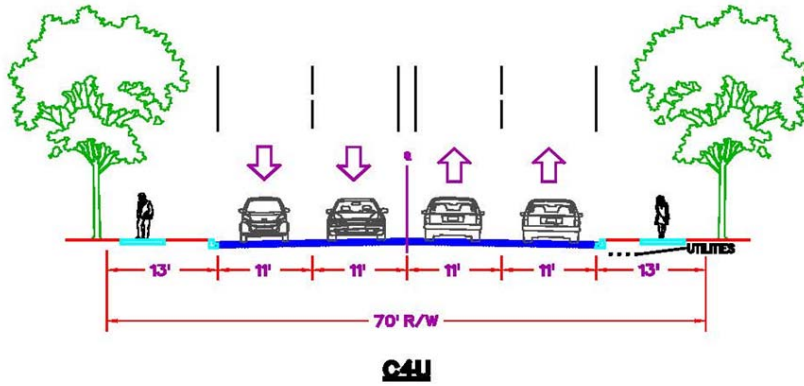


**C2U (B/P)**

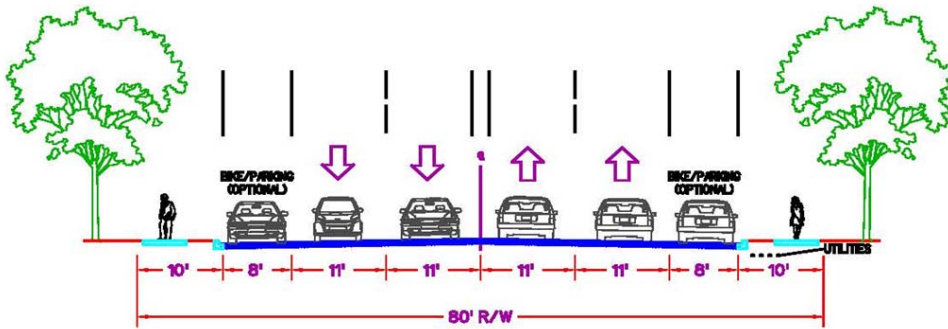
C3U (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	60.0	\$2,500.00	\$150,000.00
110 6001	EXCAVATION (ROADWAY)	CY	11,146.7	\$10.00	\$111,466.67
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	1,672.0	\$10.00	\$16,720.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	11,146.7	\$1.50	\$16,720.00
162 6002	BLOCK SODDING	SY	1,114.7	\$3.00	\$3,344.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	401.3	\$148.72	\$59,681.34
260 2006	LIME TRT (EXST MATL) (6")	SY	22,293.3	\$1.68	\$37,452.80
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	22,293.3	\$8.30	\$185,034.67
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	9,196.0	\$65.00	\$597,740.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	3,678.4	\$123.00	\$452,443.20
500 6001	MOBILIZATION	LS	1.0	-	\$408,588.27
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	2.0	\$1,500.00	\$3,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$70,000.00	\$70,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$4,494,471.00</b>
	<b>Pre-Construction</b>			20%	\$898,894.20
	<b>Construction Oversight</b>			10%	\$449,447.10
	<b>Contingency</b>			10%	\$449,447.10
				<b>TOTAL</b>	<b>\$6,300,000</b>
				<b>ROW TOTAL</b>	<b>\$6,300,000</b>



C4U (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	70.0	\$2,500.00	\$175,000.00
110 6001	EXCAVATION (ROADWAY)	CY	12,906.7	\$10.00	\$129,066.67
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	1,936.0	\$10.00	\$19,360.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	12,906.7	\$1.50	\$19,360.00
162 6002	BLOCK SODDING	SY	1,290.7	\$3.00	\$3,872.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	464.6	\$148.72	\$69,095.31
260 2006	LIME TRT (EXST MATL) (6")	SY	25,813.3	\$1.68	\$43,366.40
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	25,813.3	\$8.30	\$214,250.67
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	10,648.0	\$65.00	\$692,120.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	4,259.2	\$123.00	\$523,881.60
500 6001	MOBILIZATION	LS	1.0	-	\$433,465.26
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	2.0	\$1,500.00	\$3,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$60,000.00	\$60,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$4,768,118.00</b>
	<b>Pre-Construction</b>			20%	\$953,623.60
	<b>Construction Oversight</b>			10%	\$476,811.80
	<b>Contingency</b>			10%	\$476,811.80
				<b>TOTAL</b>	<b>\$6,700,000</b>
				<b>ROW TOTAL</b>	<b>\$7,400,000</b>

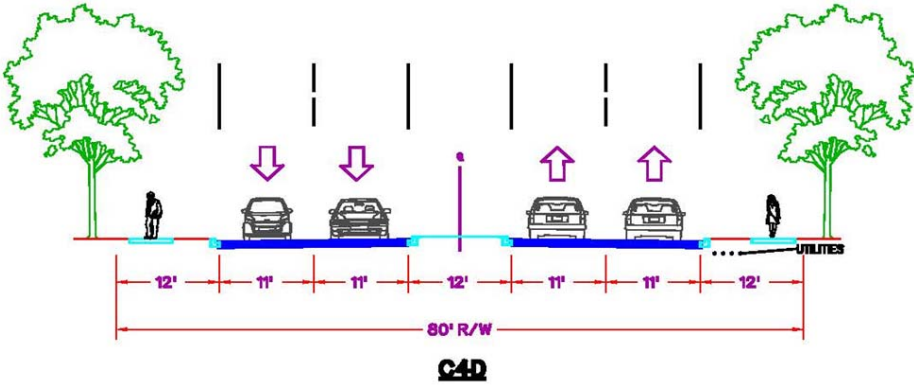


C4U (B/P) (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	80.0	\$2,500.00	\$200,000.00
110 6001	EXCAVATION (ROADWAY)	CY	17,600.0	\$10.00	\$176,000.00
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	2,640.0	\$10.00	\$26,400.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	17,600.0	\$1.50	\$26,400.00
162 6002	BLOCK SODDING	SY	1,760.0	\$3.00	\$5,280.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	633.6	\$148.72	\$94,228.99
260 2006	LIME TRT (EXST MATL) (6")	SY	35,200.0	\$1.68	\$59,136.00
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	35,200.0	\$8.30	\$292,160.00
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	14,520.0	\$65.00	\$943,800.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	5,808.0	\$123.00	\$714,384.00
500 6001	MOBILIZATION	LS	1.0	-	\$500,306.90
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	2.0	\$1,500.00	\$3,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$80,000.00	\$80,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$5,503,376.00</b>
	<b>Pre-Construction</b>			20%	\$1,100,675.20
	<b>Construction Oversight</b>			10%	\$550,337.60
	<b>Contingency</b>			10%	\$550,337.60
				<b>TOTAL</b>	<b>\$7,700,000</b>
				<b>ROW TOTAL</b>	<b>\$8,400,000</b>



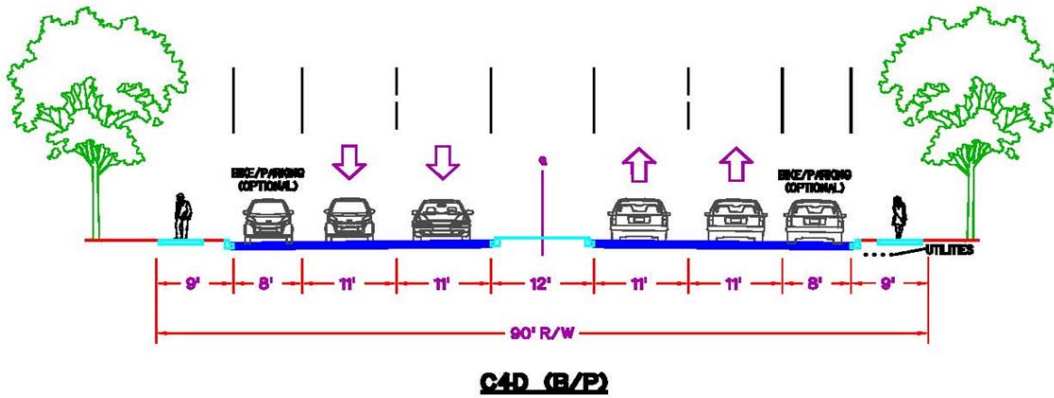
**C4U (B/P)**

C4D (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	80.0	\$2,500.00	\$200,000.00
110 6001	EXCAVATION (ROADWAY)	CY	16,426.7	\$10.00	\$164,266.67
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	2,464.0	\$10.00	\$24,640.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	16,426.7	\$1.50	\$24,640.00
162 6002	BLOCK SODDING	SY	1,642.7	\$3.00	\$4,928.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	591.4	\$148.72	\$87,953.01
260 2006	LIME TRT (EXST MATL) (6")	SY	32,853.3	\$1.68	\$55,193.60
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	32,853.3	\$8.30	\$272,682.67
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	13,552.0	\$65.00	\$880,880.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	5,420.8	\$123.00	\$666,758.40
500 6001	MOBILIZATION	LS	1.0	-	\$482,722.23
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	2.0	\$1,500.00	\$3,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$60,000.00	\$60,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$5,309,945.00</b>
	<b>Pre-Construction</b>			20%	\$1,061,989.00
	<b>Construction Oversight</b>			10%	\$530,994.50
	<b>Contingency</b>			10%	\$530,994.50
				<b>TOTAL</b>	<b>\$7,400,000</b>
				<b>ROW TOTAL</b>	<b>\$8,400,000</b>

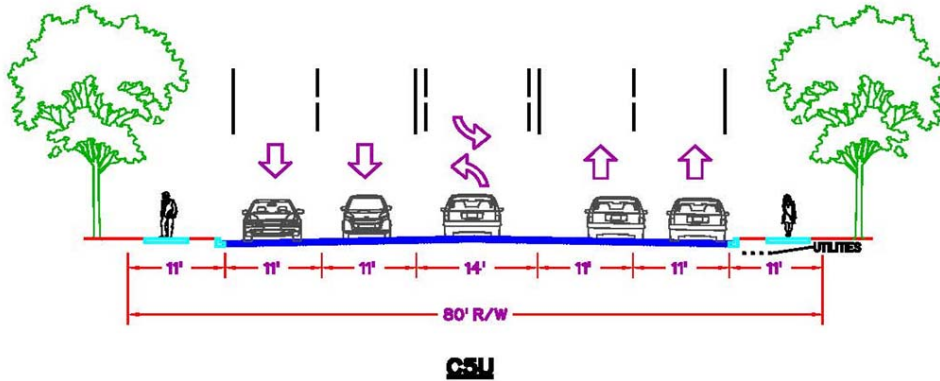




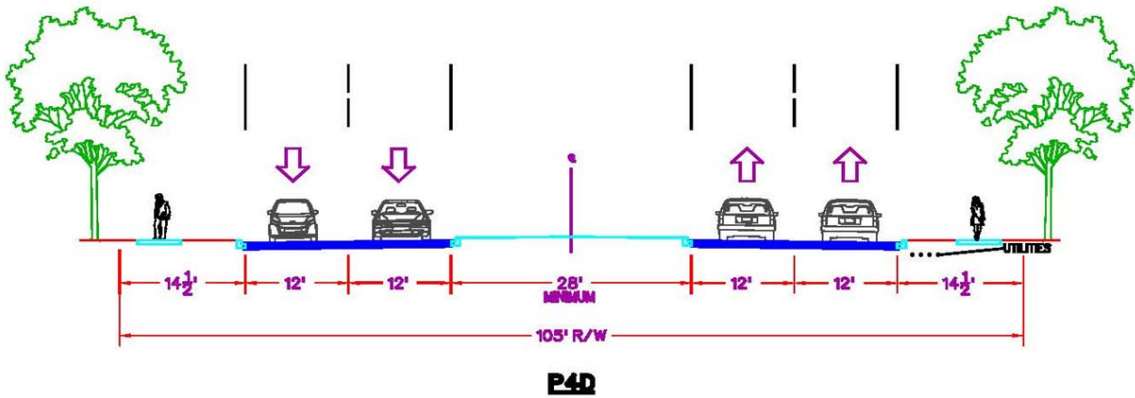
C4D (B/P) (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	90.0	\$2,500.00	\$225,000.00
110 6001	EXCAVATION (ROADWAY)	CY	21,120.0	\$10.00	\$211,200.00
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	3,168.0	\$10.00	\$31,680.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	21,120.0	\$1.50	\$31,680.00
162 6002	BLOCK SODDING	SY	2,112.0	\$3.00	\$6,336.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	760.3	\$148.72	\$113,071.82
260 2006	LIME TRT (EXST MATL) (6")	SY	42,240.0	\$1.68	\$70,963.20
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	42,240.0	\$8.30	\$350,592.00
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	17,424.0	\$65.00	\$1,132,560.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	6,969.6	\$123.00	\$857,260.80
500 6001	MOBILIZATION	LS	1.0	-	\$549,562.38
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	2.0	\$1,500.00	\$3,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$80,000.00	\$80,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$6,045,187.00</b>
	<b>Pre-Construction</b>			20%	\$1,209,037.40
	<b>Construction Oversight</b>			10%	\$604,518.70
	<b>Contingency</b>			10%	\$604,518.70
				<b>TOTAL</b>	<b>\$8,500,000</b>
				<b>ROW TOTAL</b>	<b>\$9,500,000</b>



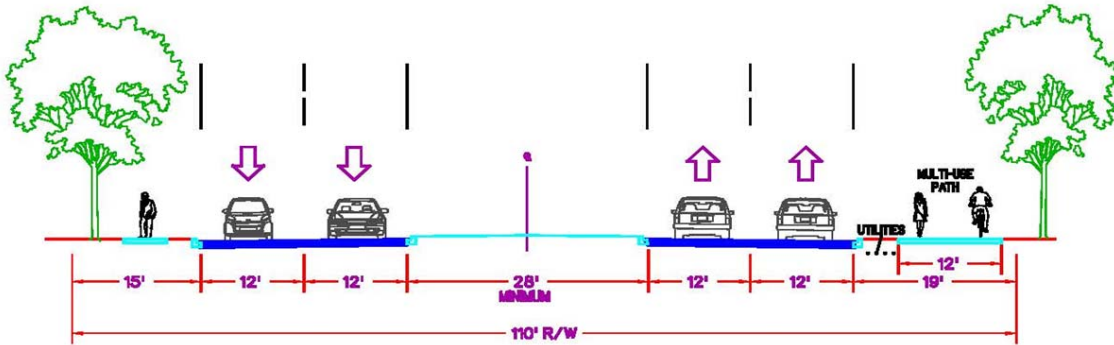
CSU (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	80.0	\$2,500.00	\$200,000.00
110 6001	EXCAVATION (ROADWAY)	CY	17,013.3	\$10.00	\$170,133.33
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	2,552.0	\$10.00	\$25,520.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	17,013.3	\$1.50	\$25,520.00
162 6002	BLOCK SODDING	SY	1,701.3	\$3.00	\$5,104.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	612.5	\$148.72	\$91,091.00
260 2006	LIME TRT (EXST MATL) (6")	SY	34,026.7	\$1.68	\$57,164.80
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	34,026.7	\$8.30	\$282,421.33
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	14,036.0	\$65.00	\$912,340.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	5,614.4	\$123.00	\$690,571.20
500 6001	MOBILIZATION	LS	1.0	-	\$493,514.57
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	2.0	\$1,500.00	\$3,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$90,000.00	\$90,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$5,428,661.00</b>
	<b>Pre-Construction</b>			20%	\$1,085,732.20
	<b>Construction Oversight</b>			10%	\$542,866.10
	<b>Contingency</b>			10%	\$542,866.10
				<b>TOTAL</b>	<b>\$7,600,000</b>
				<b>ROW TOTAL</b>	<b>\$8,400,000</b>



P4D (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	105.0	\$2,500.00	\$262,500.00
110 6001	EXCAVATION (ROADWAY)	CY	22,293.3	\$10.00	\$222,933.33
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	3,344.0	\$10.00	\$33,440.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	22,293.3	\$1.50	\$33,440.00
162 6002	BLOCK SODDING	SY	2,229.3	\$3.00	\$6,688.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	802.6	\$148.72	\$119,362.67
260 2006	LIME TRT (EXST MATL) (6")	SY	44,586.7	\$1.68	\$74,905.60
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	44,586.7	\$8.30	\$370,069.33
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	18,392.0	\$65.00	\$1,195,480.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	7,356.8	\$123.00	\$904,886.40
500 6001	MOBILIZATION	LS	1.0	-	\$567,198.53
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	4.0	\$1,500.00	\$6,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$60,000.00	\$60,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$6,239,184.00</b>
	<b>Pre-Construction</b>			20%	\$1,247,836.80
	<b>Construction Oversight</b>			10%	\$623,918.40
	<b>Contingency</b>			10%	\$623,918.40
				<b>TOTAL</b>	<b>\$8,700,000</b>
				<b>ROW TOTAL</b>	<b>\$11,100,000</b>

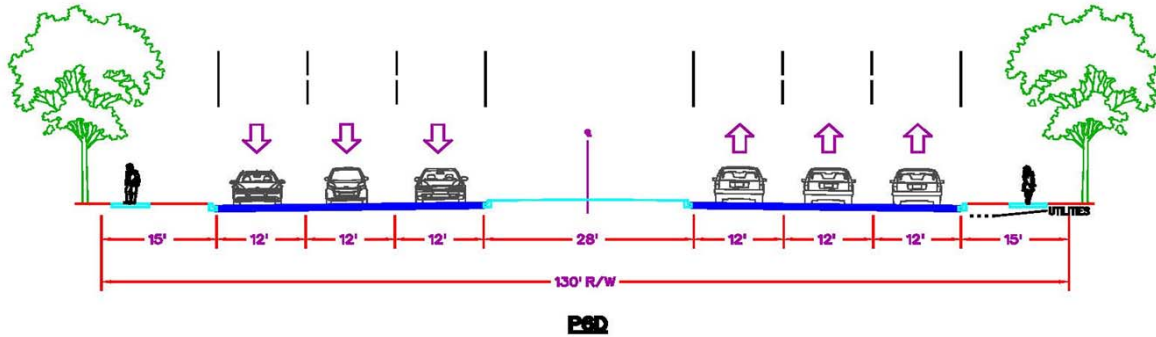


P4D (B) (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	110.0	\$2,500.00	\$275,000.00
110 6001	EXCAVATION (ROADWAY)	CY	22,293.3	\$10.00	\$222,933.33
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	3,344.0	\$10.00	\$33,440.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	22,293.3	\$1.50	\$33,440.00
162 6002	BLOCK SODDING	SY	2,229.3	\$3.00	\$6,688.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	802.6	\$148.72	\$119,362.67
260 2006	LIME TRT (EXST MATL) (6")	SY	44,586.7	\$1.68	\$74,905.60
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	44,586.7	\$8.30	\$370,069.33
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	18,392.0	\$65.00	\$1,195,480.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	7,356.8	\$123.00	\$904,886.40
500 6001	MOBILIZATION	LS	1.0	-	\$586,752.53
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	4.0	\$1,500.00	\$6,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	10,560.0	\$52.00	\$549,120.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$60,000.00	\$60,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$6,454,278.00</b>
	<b>Pre-Construction</b>			20%	\$1,290,855.60
	<b>Construction Oversight</b>			10%	\$645,427.80
	<b>Contingency</b>			10%	\$645,427.80
				<b>TOTAL</b>	<b>\$9,000,000</b>
				<b>ROW TOTAL</b>	<b>\$11,600,000</b>

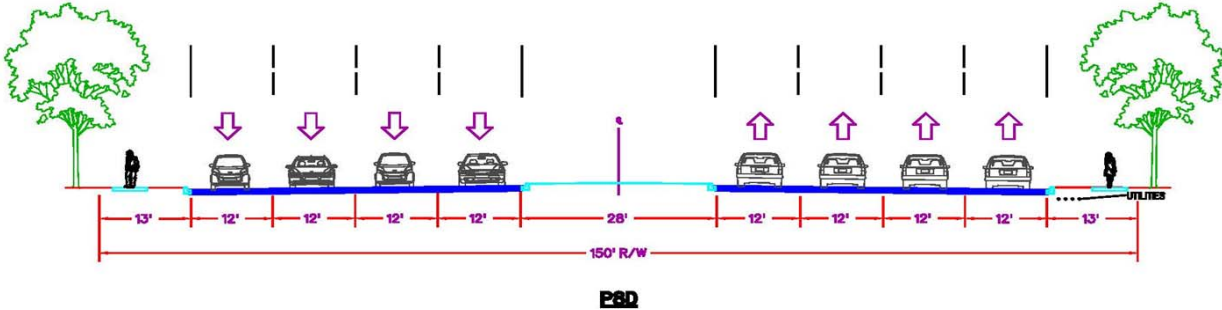


**P4D (B)**

P6D (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	130.0	\$2,500.00	\$325,000.00
110 6001	EXCAVATION (ROADWAY)	CY	29,333.3	\$10.00	\$293,333.33
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	4,400.0	\$10.00	\$44,000.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	29,333.3	\$1.50	\$44,000.00
162 6002	BLOCK SODDING	SY	2,933.3	\$3.00	\$8,800.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	1,056.0	\$148.72	\$157,048.32
260 2006	LIME TRT (EXST MATL) (6")	SY	58,666.7	\$1.68	\$98,560.00
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	58,666.7	\$8.30	\$486,933.33
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	24,200.0	\$65.00	\$1,573,000.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	9,680.0	\$123.00	\$1,190,640.00
500 6001	MOBILIZATION	LS	1.0	-	\$668,959.50
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	4.0	\$1,500.00	\$6,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$80,000.00	\$80,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$7,358,555.00</b>
	<b>Pre-Construction</b>			20%	\$1,471,711.00
	<b>Construction Oversight</b>			10%	\$735,855.50
	<b>Contingency</b>			10%	\$735,855.50
				<b>TOTAL</b>	<b>\$10,300,000</b>
				<b>ROW TOTAL</b>	<b>\$13,700,000</b>



P8D (Cost/Mile)					
Item No, Descrip Code	Description	Unit	Est	Avg Unit Cost	COST
100 6002	PREPARING ROW	STA	150.0	\$2,500.00	\$375,000.00
110 6001	EXCAVATION (ROADWAY)	CY	36,373.3	\$10.00	\$363,733.33
132 6003	EMBANKMENT (FINAL) (ORD CONT) (TY B)	CY	5,456.0	\$10.00	\$54,560.00
160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	36,373.3	\$1.50	\$54,560.00
162 6002	BLOCK SODDING	SY	3,637.3	\$3.00	\$10,912.00
168 6001	VEGETATIVE WATERING	MG	250.0	\$12.00	\$3,000.00
192 2020	PLANT MATERIAL (1 GAL) (TREE)	EA	176.0	\$8.00	\$1,408.00
260 2001	LIME (HYDRATED LIME(DRY))	TON	1,309.4	\$148.72	\$194,733.97
260 2006	LIME TRT (EXST MATL) (6")	SY	72,746.7	\$1.68	\$122,214.40
276 2224	CEM TRT (PLNT MX) (CL N) (TY E) (GR 4) (6")	SY	72,746.7	\$8.30	\$603,797.33
341 6008	D-GR HMA TY-B PG 64-22 (7.5 IN)	TON	30,008.0	\$65.00	\$1,950,520.00
341 6047	D-GR HMA TY-D SAC-A PG 76-22 (3 IN)	TON	12,003.2	\$123.00	\$1,476,393.60
500 6001	MOBILIZATION	LS	1.0	-	\$769,470.46
502 2125	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	4.0	\$1,500.00	\$6,000.00
529 6005	CONC CURB (MONO) (TY II)	LF	10,560.0	\$6.00	\$63,360.00
530 6004	DRIVEWAYS (CONC)	SY	288.0	\$64.00	\$18,432.00
531 6003	CONC SIDEWALKS (6")	SY	7,040.0	\$52.00	\$366,080.00
	DRAINAGE	MI	1.0	\$1,500,000.00	\$1,500,000.00
	PAVEMENT MARKINGS AND SIGNS	MI	1.0	\$100,000.00	\$100,000.00
	UTILITIES	MI	1.0	\$400,000.00	\$400,000.00
	SW3P	MI	1.0	\$30,000.00	\$30,000.00
				<b>TOTAL</b>	<b>\$8,464,176.00</b>
	<b>Pre-Construction</b>			20%	\$1,692,835.20
	<b>Construction Oversight</b>			10%	\$846,417.60
	<b>Contingency</b>			10%	\$846,417.60
				<b>TOTAL</b>	<b>\$11,800,000</b>
				<b>ROW TOTAL</b>	<b>\$15,800,000</b>





**City of Kyle 2015 Transportation Master Plan - Draft 7/15/15**

No.	Project	Owner	Pr. Classification	Improvement	Length (Miles)	From	To	Construction Cost	Pre-Construction Cost	Oversight Cost	Contingency Cost	ROW Cost	Total Cost	Source	Pr. ROW (FT)	Ex. ROW (FT)
86	Satterwhite	Hays-non-ETJ	L2U	New 2-lane road	0.41	FM 2001	Hillside Terrace	\$1,600,000	\$320,000	\$160,000	\$160,000	\$2,600,000	\$4,840,000	Kyle 2015	60	0
87	Scott	Kyle	C4U	R31: Widen to a 4-lane road, realign with FM 150 (1,100 ft)	0.77	Center	Opal	\$3,900,000	\$780,000	\$390,000	\$390,000	\$800,000	\$6,260,000	Kyle 2005	70	60
88	SH 21	TxDOT	P6D	Widen to a 6-lane divided road	6.83	Caldwell County	CR 159	\$54,600,000	\$10,920,000	\$5,460,000	\$5,460,000	\$21,700,000	\$98,140,000	CAMPO 2040	130	100
89	Shadow Creek	Hays-ETJ	C3U	New 2-lane divided road with TWLTL	3.23	Hillside Terrace	Bebee	\$14,500,000	\$2,900,000	\$1,450,000	\$1,450,000	\$20,400,000	\$40,700,000	CAMPO 2040	60	0
90	Sunrise	Hays-ETJ	L2U	New 2-lane road	0.62	Dacy Ln	Sunrise	\$2,500,000	\$500,000	\$250,000	\$250,000	\$3,900,000	\$7,400,000	Kyle 2015	60	0
91	Windy Hill	Kyle	C3U	Widen to a 2-lane divided road with TWLTL	3.36	IH-35	Turnersville Extension	\$16,000,000	\$3,200,000	\$1,600,000	\$1,600,000	\$0	\$22,400,000	CAMPO 2040	60	90
92	Yarrington	Kyle	P4D	Widen to a 4-lane divided road	2.85	FM 110	SH 21	\$16,200,000	\$3,240,000	\$1,620,000	\$1,620,000	\$6,000,000	\$28,680,000	CAMPO 2040	80	60
<b>Total</b>		-	-	-	<b>148.96</b>	-	-	<b>\$1,897,960,000</b>	<b>\$379,880,000</b>	<b>\$189,940,000</b>	<b>\$189,940,000</b>	<b>\$600,200,000</b>	<b>\$3,258,540,000</b>	-	<b>5,400</b>	<b>2,895</b>

Bond Project  
Not shown on exhibit

Cost Estimate Total by Road Owner	
Owner	Price Total
Kyle	\$ 560,500,000
Hays-ETJ	\$ 474,620,000
Hays-non-ETJ	\$ 377,720,000
TxDOT	\$ 1,845,700,000
<b>TOTAL</b>	<b>\$ 3,258,540,000</b>

**DRAFT**