



Pre-Bid Outreach Meeting

I-580 Westbound HOV Lane Widening

**From 0.06 Mile West of Greenville Rd UC to 0.21 Mile West of
San Ramon Rd/Foothill Rd OC in Alameda County**

August 2, 2012

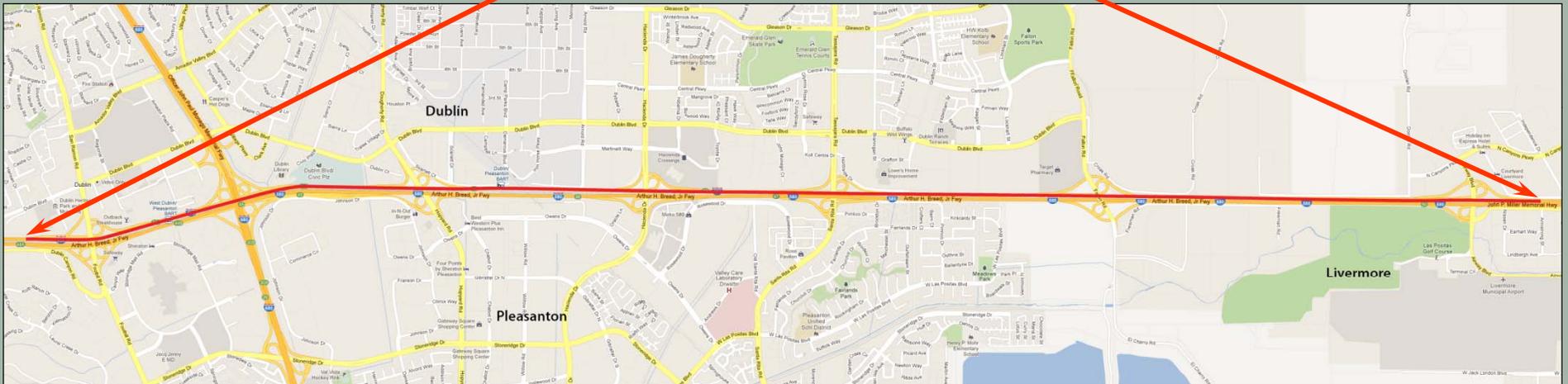
All information presented here is an estimate; it is preliminary and subject to change.

Caltrans District 4



CONSTRUCT WB HOV LANE AND REHAB (West Segment)

Project Limits



04-2908E4 ALA-580 PM 14.6/21.6

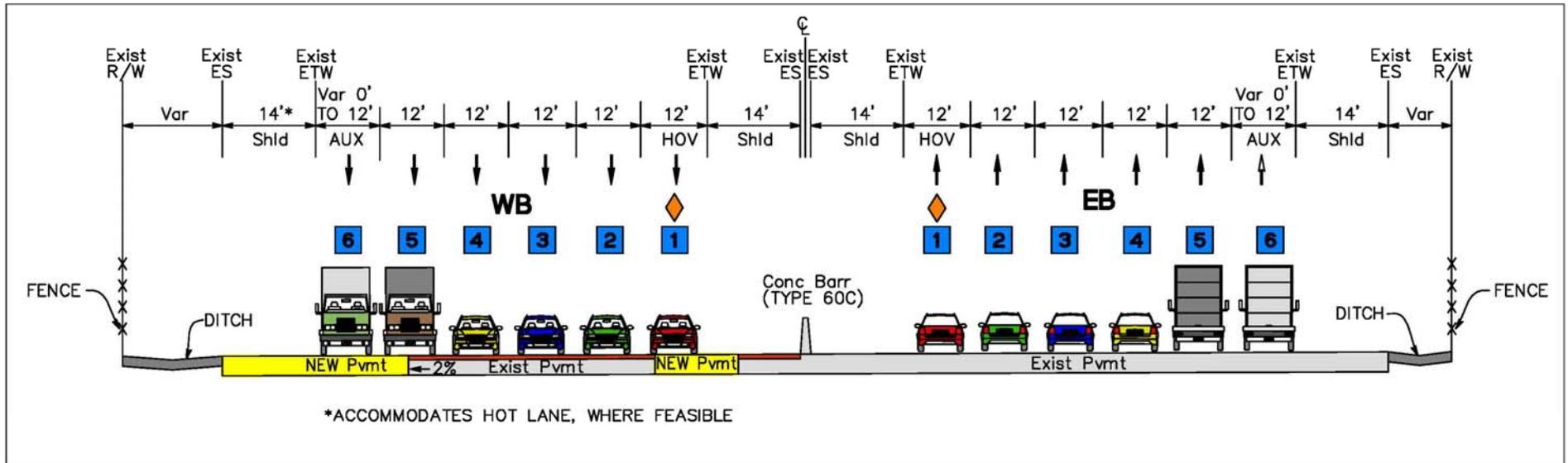
Estimate: \$ 50,200,000

Adv: 6/25/12 Bids Open: 8/29/12

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I-580 WB HOV Lane (West Segment)

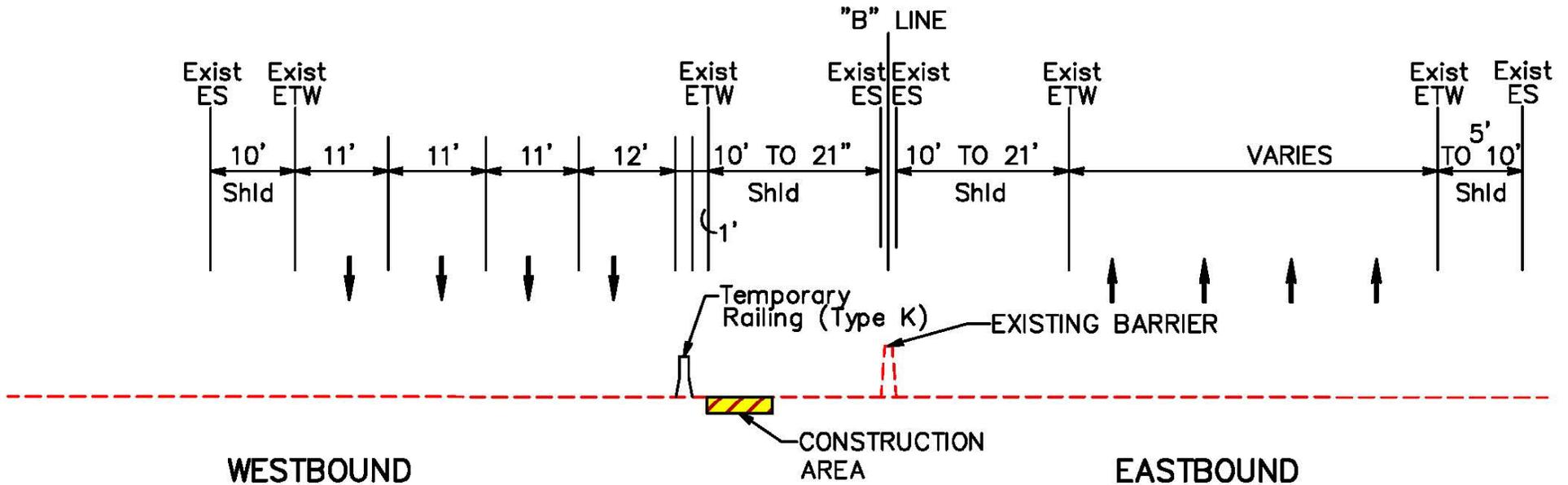


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I-580 WB HOV Lane (West Segment) Stage 1

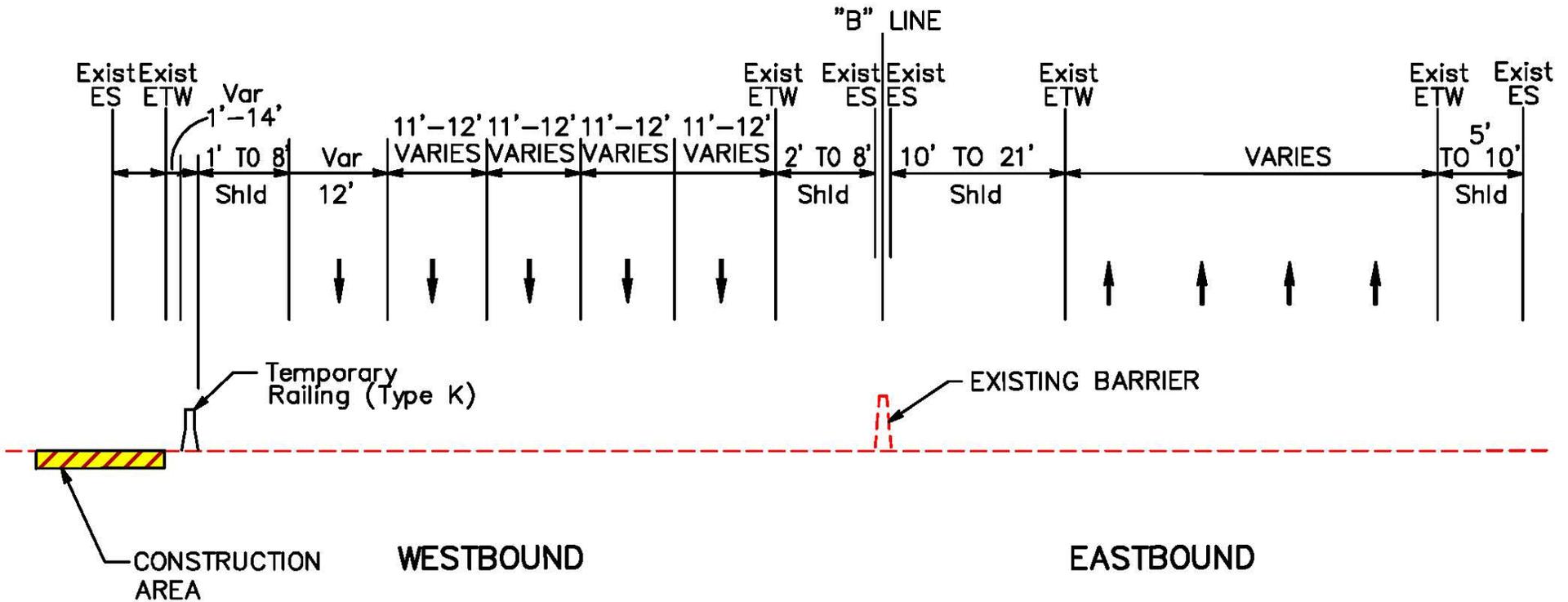
I-580 WB TYPICAL CROSS-SECTION - STAGE 1





I-580 WB HOV Lane (West Segment) Stage 2

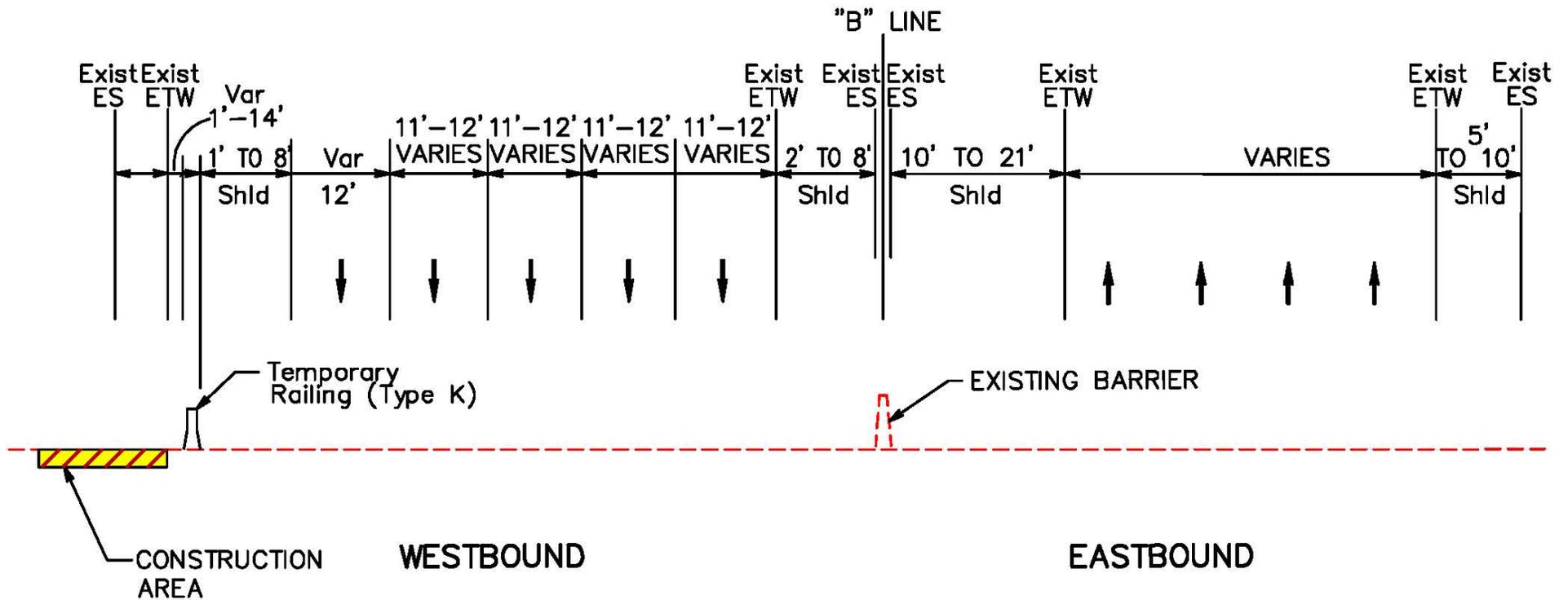
I-580 WB TYPICAL CROSS-SECTION - STAGE 2





I-580 WB HOV Lane (West Segment) Stage 3

I-580 WB TYPICAL CROSS-SECTION – STAGE 3



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I-580 WB HOV Lane

West Segment Roadway Work

- ◆ Add HOV Lane within Median and Outside Widening for 7 Miles
- ◆ Add WB Auxiliary Lanes from Airway Blvd On-Ramp to Fallon Rd Off-Ramp
- ◆ Add HOV Bypass Lane at WB Airway Blvd On-Ramp
- ◆ Bridge Widening at Tassajara Creek Bridge and Dougherty Rd Undercrossing
- ◆ 16 Lane Miles of Roadway Rehabilitation
- ◆ Reconstruct Inside Shoulder from Hacienda Dr I/C to Airway Blvd I/C
- ◆ PCC Slab Replacement with Precast Concrete Panels from Dougherty Rd I/C to Hacienda Dr I/C
- ◆ Overlay Roadway and Shoulders with AC
- ◆ Install Concrete Barrier (Type 60C) and Retaining Walls
- ◆ Reconstruct Drainage Systems
- ◆ Install Ramp Metering, Lighting, Overhead Sign Structures and TOS Elements



I-580 WB HOV Lane

West Segment Construction Schedule

- ◆ **Bid Open**
 - » August 29, 2012

- ◆ **Begin Construction**
 - » Fall 2012

- ◆ **Total Working Days = 485 Days**



I-580 WB HOV Lane - West Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"A"	FENCE:		
2	TEMPORARY FENCE (TYPE ESA)	LF	110
3	TEMPORARY FENCE (WILDLIFE EXCLUSION)	LF	1,010
6	TEMPORARY SILT FENCE	LF	5,540
29	SAFETY CONSTRUCTION FENCE	LF	2,620
35	REMOVE CHAIN LINK FENCE	LF	3,290
181	CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD)	LF	2,413
182	CHAIN LINK FENCE (TYPE CL-6)	LF	1,900

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I-580 WB HOV Lane - West Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"B"	TRAFFIC:		
18	CONSTRUCTION AREA SIGNS	LS	1
20	TYPE III BARRICADE	EA	4
21	TEMPORARY PAVEMENT MARKING	SQFT	380
22	TEMPORARY TRAFFIC STRIPE (PAINT)	LF	410,000
23	CHANNELIZER (SURFACE MOUNTED)	EA	920
24	TEMPORARY PAVEMENT MARKER	EA	25,800
27	TEMPORARY CRASH CUSHION MODULE	EA	590
28	ALTERNATIVE TEMPORARY CRASH CUSION	EA	20
67	REMOVE CRASH CUSHION (SAND FILLED)	EA	1

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I-580 WB HOV Lane - West Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"B"	TRAFFIC:		
183	DELINEATOR (CLASS 1)	EA	250
184	GUARD RAILING DELINEATOR	EA	210
185	METAL BEAM GUARD RAILING (WOOD POST)	LF	3,820
187	CHAIN LINK RAILING (TYPE 7)	LF	218
189	PIPE HANDRAILING	LF	32
190	TUBULAR HANDRAILING (MODIFIED)	LF	178
192	TRANSITION RAILING (TYPE WB)	EA	14
193	END CAP	EA	17
194	END ANCHOR ASSEMBLY (TYPE SFT)	EA	12
195	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	2

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I-580 WB HOV Lane - West Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"B"	TRAFFIC:		
196	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	21
197	CRASH CUSION, SAND FILLED	EA	1
198	ALTERNATIVE CRASH CUSION SYSTEM	EA	1
207	4" THERMOPLASTIC TRAFFIC STRIPE	LF	136,000
208	8" THERMOPLASTIC TRAFFIC STRIPE	LF	19,200
209	8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	LF	19,300
210	THERMOPLASTIC PAVEMENT MARKING	SQFT	3,620
211	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN)	LF	161,000
212	PAVEMENT MARKER (NON-REFLECTIVE)	EA	12,800
213	PAVEMENT MARKER (RETROFLECTIVE)	EA	7,990

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I-580 WB HOV Lane - West Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"C"	ROAD WORK:		
33	NOISE MONITORING	LS	1
36	REMOVE METAL BEAM GUARD RAILING	LF	5,540
37	REMOVE SINGLE THRIE BEAM BARRIER	LF	130
38	REMOVE DOUBLE THRIE BEAM BARRIER	LF	2,100
60	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	145,000

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I-580 WB HOV Lane - West Segment

Potential Small Business Items of Work

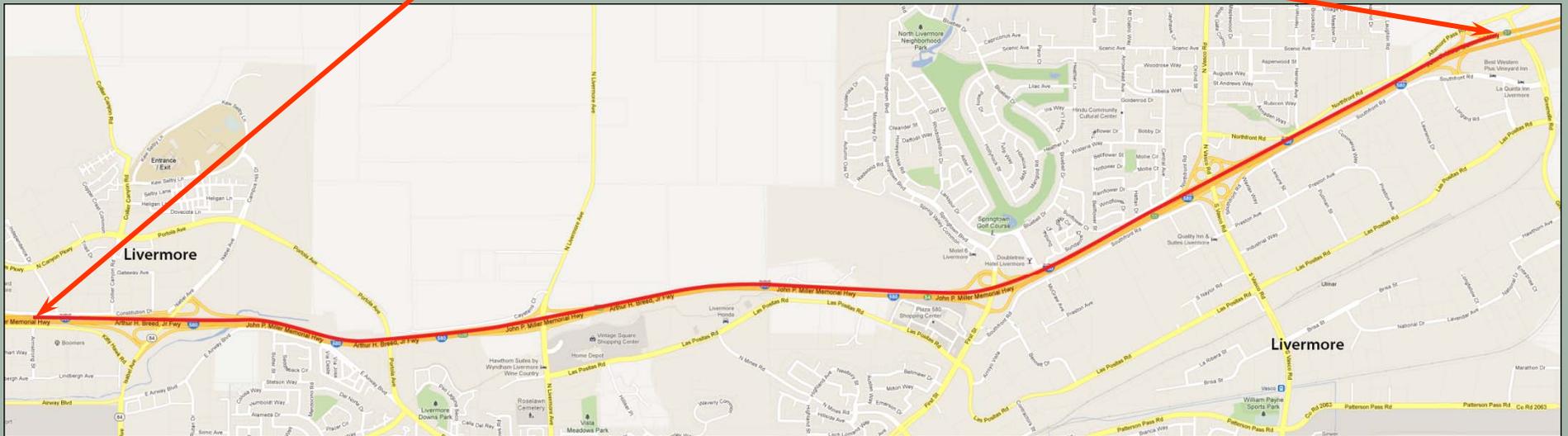
Item No.	Item Description	Unit	Estimated Quantity
“D”	WATER POLLUTION, EROSION AND LANDSCAPING:		
5	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1
74	LEAD COMPLIANCE PLAN	LS	1
87	HIGHWAY PLANTING	LS	1
88	IMPORTED BIOFILTRATION SOIL	CY	90
89	EROSION CONTROL (COMPOST BLANKET)	CY	530
90	FIBER ROLLS	LF	22,200
91	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	8
92	EROSION CONTROL (HYDROSEED) (ACRE)	ACRE	7
93	ROLLED EROSION CONTROL PRODUCT (NETTING)	SQFT	60,100

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CONSTRUCT WB HOV LANE AND REHAB (East Segment)

Project Limits



04-2908C4 ALA-580 PM 8.4/14.6

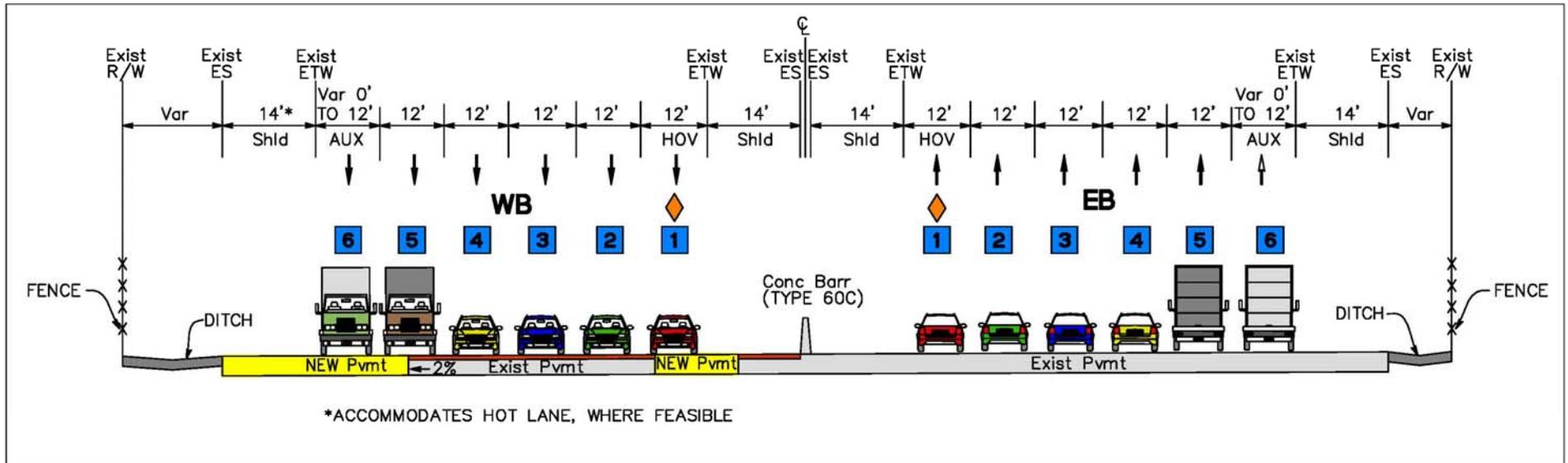
Estimate: \$ 63,200,000

Adv: 7/16/12 Bids Open: 9/19/12

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I-580 WB HOV Lane (East Segment)

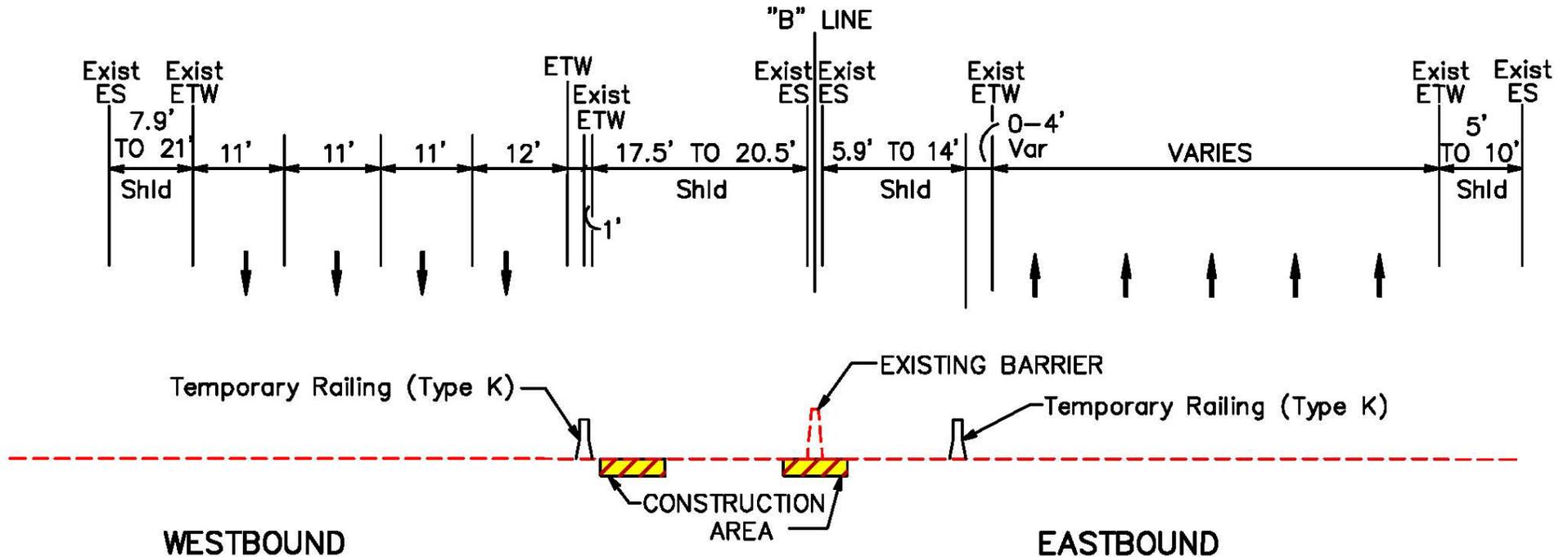


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I-580 WB HOV Lane (East Segment) Stage 1

I-580 WB TYPICAL CROSS-SECTION - STAGE 1

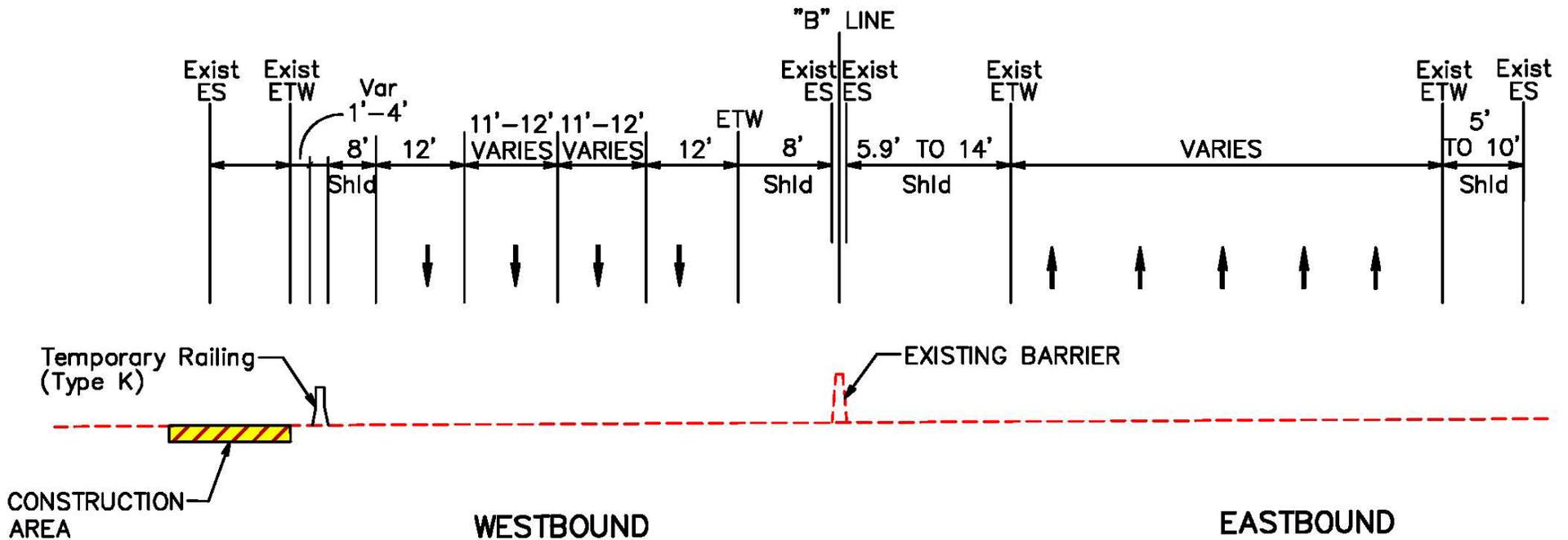


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I-580 WB HOV Lane (East Segment) Stage 2

I-580 WB TYPICAL CROSS-SECTION - STAGE 2

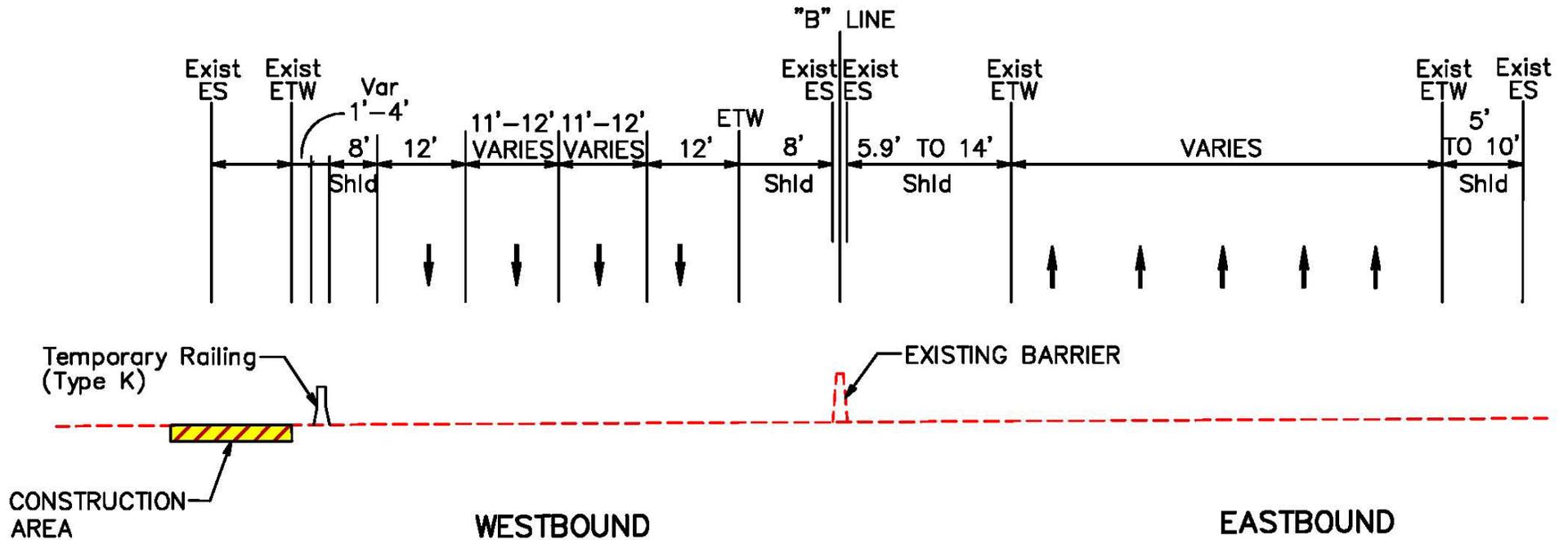


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I-580 WB HOV Lane (East Segment) Stage 3

I-580 WB TYPICAL CROSS-SECTION - STAGE 3



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I-580 WB HOV Lane East Segment Roadway Work

- ◆ Add HOV Lane within Median and Outside Widening for 6 Miles
- ◆ Add WB Auxiliary Lanes at:
 - » First St On-Ramp to Livermore Ave Off-Ramp
 - » Vasco Rd On-Ramp to First St Off-Ramp
 - » Greenville Rd On-Ramp to Vasco Rd Off-Ramp
- ◆ Add HOV Bypass Lanes at:
 - » EB and WB Greenville Rd On-Ramps
 - » EB and WB Vasco Rd On-Ramps
 - » EB and WB First St On-Ramps
 - » EB and WB Livermore Ave On-Ramps
- ◆ Bridge Widening at:
 - » Livermore Ave Undercrossing
 - » Arroyo Las Positas Bridges (2)

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I-580 WB HOV Lane East Segment Roadway Work

- ◆ Arroyo Seco Creek Box Culvert Extension
- ◆ 24 Lane Miles of Roadway rehabilitation
- ◆ Reconstruct Inside Shoulder from Airway Blvd I/C to Greenville Rd I/C
- ◆ Crack and Seat PCC Pavement
- ◆ Overlay Roadway and Shoulders with AC
- ◆ Install Concrete Barrier (Type 60C) and Retaining Walls
- ◆ Reconstruct Drainage Systems
- ◆ Install Ramp Metering, Lighting, Overhead Sign Structures, TOS Elements and Weigh-in-Motion Systems
- ◆ Construct Sound Wall at Northwest Quadrant of Vasco Rd I/C



I-580 WB HOV Lane

East Segment Construction Schedule

- ◆ **Bid Open**
 - » **September 19, 2012**

- ◆ **Begin Construction**
 - » **Fall 2012**

- ◆ **Total Working Days = 520 Days**



I-580 WB HOV Lane - East Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"A"	FENCE:		
2	TEMPORARY FENCE (TYPE ESA)	LF	5,030
3	TEMPORARY FENCE (WILDLIFE EXCLUSION)	LF	16,300
7	TEMPORARY SILT FENCE	LF	6,200
35	REMOVE FENCE	LF	3,060
182	CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD)	LF	5,949
183	CHAIN LINK FENCE (TYPE CL-6)	LF	2,040
184	5' CHAIN LINK GATE (TYPE CL-6)	EA	2

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I-580 WB HOV Lane - East Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"B"	TRAFFIC:		
22	CONSTRUCTION AREA SIGNS	LS	1
24	TYPE III BARRICADE	EA	17
25	TEMPORARY PAVEMENT MARKING (PAINT)	SQFT	810
26	TEMPORARY TRAFFIC STRIPE (PAINT)	LF	358,000
27	CHANNELIZER (SURFACE MOUNTED)	EA	990
28	TEMPORARY PAVEMENT MARKER	EA	24,100
30	TEMPORARY CRASH CUSHION MODULE	EA	380
31	ALTERNATIVE TEMPORARY CRASH CUSHION	EA	33
63	REMOVE CRASH CUSHION	EA	3
185	DELINEATOR (CLASS 1)	EA	250

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I-580 WB HOV Lane - East Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"B"	TRAFFIC:		
186	GUARD RAILING DELINEATOR	EA	160
187	OBJECT MARKER (TYPE K-1)	EA	2
188	METAL BEAM GUARD RAILING (WOOD POST)	LF	730
190	SINGLE THRIE BEAM BARRIER (WOOD POST)	LF	3,240
191	TRANSITION RAILING (TYPE STB)	EA	2
192	TRANSITION RAILING (TYPE WB)	EA	24
193	TERMINAL SYSTEM (TYPE CAT)	EA	1
194	TERMINAL SYSTEM (TYPE CAT) BACKUP	EA	1
195	END ANCHOR ASSEMBLY (TYPE SFT)	EA	8
196	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	2

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I-580 WB HOV Lane - East Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"B"	TRAFFIC:		
197	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	25
198	CRASH CUSHION, SAND FILLED	EA	1
199	CRASH CUSION (ADIEM)	EA	2
211	4" THERMOPLASTIC TRAFFIC STRIPE	LF	96,800
212	8" THERMOPLASTIC TRAFFIC STRIPE	LF	18,300
213	8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	LF	10,300
214	THERMOPLASTIC PAVEMENT MARKING	SQFT	3,120
215	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN)	LF	158,000
216	PAVEMENT MARKER (NON-REFLECTIVE)	EA	12,900
217	PAVEMENT MARKER (RETROREFLECTIVE)	EA	6,140

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I-580 WB HOV Lane - East Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
"C"	ROAD WORK:		
33	NOISE MONITORING	LS	1
36	REMOVE METAL BEAM GUARD RAILING	LF	2,280
37	REMOVE SINGLE THRIE BEAM BARRIER	LF	590
56	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	18,600
121	GRIND EXISTING CONCRETE PAVEMENT	SQYD	8,520

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I-580 WB HOV Lane - East Segment

Potential Small Business Items of Work

Item No.	Item Description	Unit	Estimated Quantity
“D”	WATER POLLUTION, EROSION AND LANDSCAPING:		
5	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1
73	LEAD COMPLIANCE PLAN	LS	1
88	IMPORTED BIOFILTRATION SOIL	CY	600
89	EROSION CONTROL (COMPOST BLANKET)	CY	2,210
90	FIBER ROLLS	LF	39,100
91	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	8
92	EROSION CONTROL (HYDROSEED) (ACRE)	ACRE	11
93	ROLLED EROSION CONTROL PRODUCT (NETING)	SQFT	162,000

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