



CENTRAL TEXAS
Regional Mobility Authority

183A Turnpike
2011 Annual Inspection
Detailed Inspection Report

HNTB

Central Texas Regional Mobility Authority

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Detailed Inspection Report**

PREFACE

In compliance with the provisions Section 712 of the Master Trust Indenture under which the 183A Turnpike is financed and operated, members of HNTB staff conducted a visual inspection of the Turnpike during the month of March, 2011. The 183A Turnpike facility extends from north of the interchange with RM 620/SH 45 (approximate station 819+00) to the intersection with CR 276/US 183 (approximate station 270+00) a distance of approximately 10.4 miles. During this 2011 Annual Inspection a significant portion of the 183A Turnpike was impacted by construction of the 183A-Phase II Extension Project. As a result, the section of the 183A Turnpike within the contract limits of the Project (station 337+00 to station 601+00) was under the control of the construction Contractor and was not inspected. This inspection covered all portions of the 183A Turnpike including pavement, curbing, slopes, lighting, drainage structures, pavement markings, interchanges, toll plazas, buildings, and equipment on the mainlanes and frontage roads. The bridges were inspected by TxDOT in 2009 under the National Bridge Inspection Program (NBIP) and the results have been summarized herein.

Visual observations form the basis for this report; no detailed in-place testing was performed. The opinions, statements, and recommendations made here are based solely on conditions revealed by this visual inspection. No representation or warranty is made that all defects have been discovered or that defects will not later appear.

**183A Turnpike
2011 Annual Inspection
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LEGEND FOR CONDITION ASSESSMENT

- NA - Not Applicable
- 9 - New Construction - no problems noted
- 8 - Very good condition - no problems noted
- 7 - Good Condition - some minor problems
- 6 - Satisfactory condition - minor deterioration of elements functionality
- 5 - Fair condition - minor deterioration of elements (extensive)
- 4 - Poor condition - deterioration affects functionality
- 3 - Serious condition - deterioration seriously affects integrity of roadway or safety
- 2 - Critical condition - repair as soon as practical
- 1 - Failed condition - reconstruction required (out of service)

Roadway

Roadway Other Elements		
Roadside Signs	Post Deterioration	Significant rusting and cracking sign posts.
	Post Alignment	Check stability of post. Posts with foundations: Posts plumb to within 1/2 inch per foot of post length. Driven Posts: Posts plumb to within 1 inch per foot of post length. No driven posts in clear zone.
	Breakaway function	Breakaway free of silt or other debris greater than 4" above grade that could impede breakaway function.
	Placement	Longitudinal placement appropriate for posted speed.
	Face visibility	No view blockage by vegetation. Check for fading of sign, proper orientation to roadway, and loose sign face.
	Face reflectivity	Signs should be reflective at night with low beam headlights from 300 feet. Note evidence that this may be impeded.
	Face damage	No face with more than 5% of area damaged or vandalized.
	Warning and regulatory sign deficiencies	No deficient or damaged warning or regulatory sign.
Object Markers and Delineators	Presence	Check for missing object marker or delineator at OSB, COSS, bridge, in front of crash attenuators, etc.
	Alignment	Posts plumb to within 1 inch per foot of post length.
	Reflectivity	All object markers and delineators should be visible from 300 feet at night with low beam headlights. Note evidence that this may be impeded.
Pavement Graphics	Presence	Graphics in place and functioning as intended. Check for fading.
	Reflectivity	Graphics are visible at night with low beam headlights at 160 feet. Note evidence that this may be impeded.
Pavement Markings	Presence	At least 90% of each line is present, per 120 feet. Note locations with pavement marking out of alignment (slipping)
	Reflectivity	Lines are visible at night with low beam headlights at 160 feet. Note evidence that this may be impeded.
Raised Pavement Markers	Presence	No more than 120 feet of continuous marker installation is without a reflective marker. (max 1 marker in 3 missing)
	Reflectivity	Markers are reflective at 300 feet, at night with low beam headlights. Note evidence that this may be impeded.
Metal Beam Guard Fence	Function	Guard fence functions as intended - parts in place, installation substantially plumb. Check for any damaged parts or improper installation.
Impact Attenuators	Function	Attenuator functions as designed - parts present and adjusted corrected, attenuator aligned. Check for damaged/cracked barrels or cells, loose cables, or debris.
Concrete Traffic Barrier	Function	Check condition for cracks greater than hairline and displacement/alignment.
Coating	Function	Note areas of peeling, flaking, chipping, chalking, cracking, or blistering greater than two square feet.
Chain Linked Fence	Function	Check for rust, plumbness, and parts in place.
Turnpike Lighting	Function	All lights functional.
	Access panel condition	All access panels in place and secure.
	Transformer base condition	No broken or damaged transformer base.

Roadway Roadside Elements	
Culverts Obstructions	No more than 20% of cross sectional area silted/blocked. Note debris, trees or brush obstructing culverts.
Culvert Structural Damage	No crushed or separated pipes.
Ditch Obstructions	No more than 20% of cross sectional area silted/blocked. Note debris, trees or brush obstructing culverts.
Ditch Erosion	Erosion over 12 inches deep.
Grates/Inlets/Connector Pipe Obstruction	Grate or inlet openings are not completely obstructed and placed for proper drainage. Water does not pond for several days at a time.
Grates/Inlets/Connector Pipe Structural Damage	Inlet structure has no exposed reinforcing steel. Inlet throat not cracked. No breaks in inlet-connector seal allowing water seepage.
Roadway Shoulder Elements	
Spalls/Potholes	Pothole more than 1 square foot in area and more than 1 inch deep.
Depressions or Bumps	No more than 1 inch visible depression or bump in 10 feet.
Lane or Shoulder Dropoff	No drop off from lane to shoulder and from shoulder to ground greater than 2 inches deep and more than 50 continuous feet long.
Curb & Gutter	No curb displacement greater than 1-1/2 inches in 10 feet. Check for crushed curb.
Joints	Faulting more than 1/4 inch across joints. This is the depression of a slab relative to an adjacent slab resulting in a step when crossing the joint between the slabs.

CTRMA Roadway Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Sta From: 214	Sta To: 610	Direction: South Bound	By JK/FK on 3/16
	General Notes: Frontage Roads and Cross Streets			

Roadside		Pavement		Misc		Misc	
1 Culverts	8	1 General Condition	7	1 Signs	8	1 Attenuators	8
2 Ditches	8	2 Curb/Gutter	8	2 Pave Graphics	8	2 Barriers	8
3 Grates/Inlets/Piping	8	3 Joints	8	3 Pave Markings	8	3 Coatings	8
				4 Raised Markers	8	4 Fence	8
				5 MBGF	8	5 Lighting	8

Due to construction activities, detailed inspection was not performed within the 183A-Phase II Extension Project construction limits, from approximate station 337+00 in Leander to station 601+00 in Cedar Park.

- N Not Applicable
- 9 New construction-no problems noted
- 8 Very good condition-no problems noted
- 7 Good condition-some minor problems
- 6 Satisfactory condition-minor deterioration of elements functionality or serviceability (limited)
- 5 Fair condition-minor deterioration of elements (extensive)
- 4 Poor condition-deterioration affects functionality or serviceability
- 3 Serious condition-deterioration seriously affects integrity of roadway or safety (immediate repair not necessary)
- 2 Critical condition-repair as soon as practical
- 1 Failing condition-emergency action necessary (call Project Manager immediately)
- 0 Failed condition-reconstruction required (out of service)

CTRMA Roadway Inspection Form



183A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Sta From: 610	Sta To: 807	Direction: South Bound	By JK/FK on 3/16
General Notes: Main Lanes , Ramps, and Cross Streets					

Roadside		Pavement		Misc		Misc	
1 Culverts	8	1 General Condition	8	1 Signs	8	1 Attenuators	8
2 Ditches	8	2 Curb/Gutter	7	2 Pave Graphics	7	2 Barriers	8
3 Grates/Inlets/Piping	8	3 Joints	8	3 Pave Markings	8	3 Coatings	8
				4 Raised Markers	7	4 Fence	8
				5 MBGF	8	5 Lighting	8

	<ul style="list-style-type: none"> Drain at Brushy Creek Rd. west bound has significant erosion. Longitudal cracks on SB exit ramp to Avery Ranch Blvd. 	<ul style="list-style-type: none"> STA. 625+00 SB On-Ramp FM 1431 merge arrow is worn There are concrete pop-outs in the bottom of barrier north of Field Operations Building. Striping is showing wear. Raised pavement markers are missing. 	
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- 1 Failing condition-emergency action necessary (call Project Manager immediately)
- 0 Failed condition-reconstruction required (out of service)

CTRMA Roadway Inspection Form



183A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Sta From: 214 Sta To: 610	Direction: North Bound	By JK/FK on 3/16
General Notes: Frontage Roads and Cross Streets				

Roadside		Pavement		Misc		Misc	
1 Culverts	8	1 General Condition	7	1 Signs	8	1 Attenuators	8
2 Ditches	8	2 Curb/Gutter	8	2 Pave Graphics	8	2 Barriers	8
3 Grates/Inlets/Piping	8	3 Joints	8	3 Pave Markings	8	3 Coatings	8
				4 Raised Markers	8	4 Fence	8
				5 MBGF	8	5 Lighting	8

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Bridges

183A Bridge System

Bridge No.	Sta.	Location	North / South Bound
1	386+00 - 388+10	Frontage Rd. over Brushy Creek	North Bound
2	386+55 - 389+15	Frontage Rd. over Brushy Creek	South Bound
3	489+82 - 497+62	Frontage Rd. over Blockhouse Creek	North Bound
4	488+05 - 494+85	Frontage Rd. over Blockhouse Creek	South Bound
5	570+08 - 571+58	Frontage Rd. over Cottonwood Creek	North Bound
5A	568+70 - 570+35	Frontage Rd. over Cottonwood Creek	South Bound
6	15+40 - 17+40	Ramp NB10 over Spanish Oak Creek	North Bound
7	12+96 - 15+06	Ramp SB8 over Spanish Oak Creek	South Bound
8	605+48 - 614+90	RM 1431 overpass and Spanish Oak Creek	North Bound Mainlanes
9	605+48 - 614+90	RM 1431 overpass and Spanish Oak Creek	South Bound Mainlanes
10	631+94 - 638+24	Over Tributary of Spanish Oak Creek	North Bound Mainlanes
11	631+94 - 638+24	Over Tributary of Spanish Oak Creek	South Bound Mainlanes
12	16+20 - 19+37	Park Street underpass	
13	685+92 - 699+93	Brushy Creek Rd. and Giddings to Llano Railine overpass	North Bound Mainlanes
14	685+92 - 699+93	Brushy Creek Rd. and Giddings to Llano Railine overpass	South Bound Mainlanes
15	719+76 - 724+46	South Brushy Creek	North Bound Mainlanes
16	719+76 - 724+46	South Brushy Creek	South Bound Mainlanes
17	752+74 - 761+12	Avery Ranch Blvd. overpass	North Bound Mainlanes
18	752+74 - 761+12	Avery Ranch Blvd. overpass	South Bound Mainlanes
19	27+54	Future North Bound Ramp Spur NB8	North Bound
20	62+75 - 69+00	Ramp NB14 over Ramp NB15	North Bound
21	784+66 - 787+46	Lakeline Blvd. overpass	North Bound Mainlanes
22	784+66 - 787+46	Lakeline Blvd. overpass	South Bound Mainlanes

Bridge Repair Summary

Bridge inspections under the National Bridge Inspection Program (NBIP), in accordance with the applicable federal laws, were conducted by TxDOT in October 2009. Copies of all reports have been provided to the Mobility Authority and the GEC. All of the major deficiencies identified were warranty items covered under the Comprehensive Development Agreement. The Developer has corrected these deficiencies as warranty repairs. The Developer completed the repairs after the "183A Turnpike 2010 Annual Inspection Detailed Inspection Report" was released. Following is an update for the deficiencies identified during the 2009 bridge inspection and a summary of the warranty repairs completed in 2010:

Bridge Number: 14-246-T001-83-003

- Bent #3 cracks on columns and cap
- The columns are 5'x7.5'. Based on the results of an engineering review performed by PE Structural Consultants, Inc, there is adequate shear and flexural reinforcing, and the structure is sound. These cracks should be sealed to prevent corrosion of the steel in the bent.

Bridge Number: 14-246-T001-83-008

- Erosion around columns and deck surface joint spalling was identified.
- Erosion should not impact the bridge structure because all bents are sufficiently founded in limestone.
- The distressed bridge deck joint was repaired by Hill Country Constructors on April 27, 2010. Following is a photo of the bridge deck joint repair work that was performed by the Developer:

Before:



After:



Bridge Number: 14-246-T001-83-011

- Spalling at the abutment / wing wall convergence was identified. Hill Country Constructors repaired concrete in April 2010 by chipping away distressed material and applying a cement bonding agent. The following is a photo of the repaired area:

Before:



After:



3/21/11

Bridge Number: 14-246-T001-83-012

- Spalling at the abutment / wing wall convergence was identified. Hill Country Constructors repaired concrete in April 2010 by hydroblasting concrete and applying a cement bonding agent. The following are photos of corrected deficiencies.

Before:



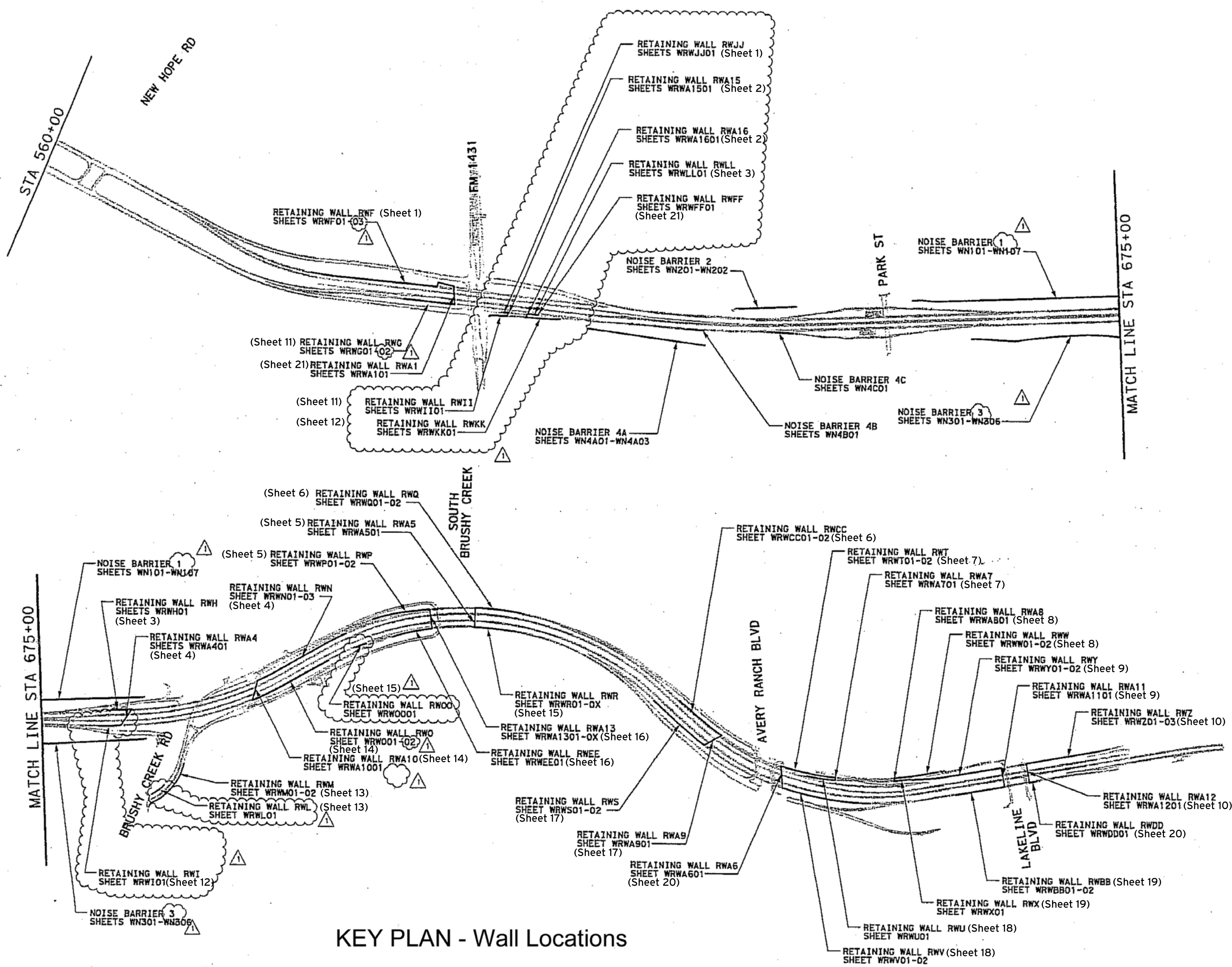
After:



Walls

Retaining Wall Elements

Joints	Look for panel joints (horizontal and vertical) that are opened wider or closed tighter than surrounding joints.
Panels	Panel movement away from abutment, drainage flume, riprap; The objective is to observe symptoms of movement that indicate potential serious problem.
Backfill	Backfill exposed or flowing out of joints. Note weep holes that are exporting backfill.
Wall Face	Note areas of peeling, flaking, chipping, chalking, cracking, or blistering greater than two square feet.
Adjacent Slope (Bottom)	Note excessive rutting, erosion, or excavated toe slopes.
Adjacent Slope (Top)	Note excessive rutting, erosion, or excavated top of wall slopes.
Foundations	Look for differential settlement or sliding of wall foundations
CIP Sections	Note areas of peeling, flaking, chipping, chalking, cracking, or blistering greater than two square feet.



KEY PLAN - Wall Locations

CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 590+36 Sta To: 605+36	Sta From: 12+70 Sta To: 13+20
	Direction: North Bound	Direction: Ramp SB8
By JK/FK	General Notes: RWF NE retaining wall at 1431	General Notes: RWJJ NE retaining wall on the entrance ramp South of 1431
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels***	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections*	7	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

<p>*Chip/crack in CIP 183A STA. 603+60</p> <p>***Skewed Panel Across from Second cul- vert from the North.</p> <p>Corner at NE is chipped out from 183A Phase II Ex- tension construction activ- ity.</p>	<p>Note: There are erosion is- sues with drain that is lo- cated in the terraced planter bed. 183A STA. 603+70</p>		
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| <p>N Not Applicable</p> <p>9 New construction-no problems noted</p> <p>8 Very good condition-no problems noted</p> <p>7 Good condition-some minor problems</p> <p>6 Satisfactory condition-minor deterioration of elements (limited)</p> <p>5 Fair condition-minor deterioration of elements (extensive)</p> | <p>4 Poor condition-deterioration significantly affects structural capacity</p> <p>3 Serious condition-deterioration seriously affects structural capacity</p> <p>2 Critical condition-roadway should be closed until repaired</p> <p>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</p> <p>0 Failed condition-roadway closed, reconstruction of wall is required</p> |
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CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 15+19	Sta To: 16+28	Sta From: 684+49	Sta To: 686+54
	<input type="checkbox"/>	Direction: Ramp SB8		Direction: NORTH BOUND	
By JK/FK	General Notes: RWLL			General Notes: RWH	
Date 3/17/11	SE retaining wall on entrance ramp South of 1431			NE retaining wall at Brushy Creek	
<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other			<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels*	6	4 CIP Other	8
5 CIP Sections*	7	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

*Chip on CIP at abutment wall 183A STA. 613+50		*Cracks/chips in panel cap 183A STA. 685+90	
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5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity
3 Serious condition-deterioration seriously affects structural capacity
2 Critical condition-roadway should be closed until repaired
1 Failing condition-roadway closed but wall is repairable-notify PM immediately
0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 686+54 Sta To: 686+54	Sta From: 700+50 Sta To: 710+98
	<input type="checkbox"/>	Direction: BACKWALL	Direction: NORTH BOUND
By JK/FK	General Notes: RWA4 North abutment wall at Brushy Creek		General Notes: RWN SE abutment wall at Brushy Creek
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

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| <ul style="list-style-type: none"> N Not Applicable 9 New construction-no problems noted 8 Very good condition-no problems noted 7 Good condition-some minor problems 6 Satisfactory condition-minor deterioration of elements (limited) 5 Fair condition-minor deterioration of elements (extensive) | <ul style="list-style-type: none"> 4 Poor condition-deterioration significantly affects structural capacity 3 Serious condition-deterioration seriously affects structural capacity 2 Critical condition-roadway should be closed until repaired 1 Failing condition-roadway closed but wall is repairable-notify PM immediately 0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 724+41 Sta To: 729+05	Sta From: 747+53 Sta To: 753+29
	<input type="checkbox"/>	Direction: NORTH BOUND	Direction: NORTH BOUND
By JK/FK	General Notes: RWQ SE retaining wall at South Brushy Creek		General Notes: RWCC NE retaining wall at Avery Ranch
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

*Skewed panel cap at approximate center of wall			
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2 Critical condition-roadway should be closed until repaired
1 Failing condition-roadway closed but wall is repairable-notify PM immediately
0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 714+10 Sta To: 719+80	Sta From: 724+41 Sta To: 724+41
	<input type="checkbox"/>	Direction: NORTH BOUND	Direction: BACKWALL
By JK/FK	General Notes: RWP NE retaining wall at South Brushy Creek		General Notes: RWA5 South abutment wall at South Brushy Creek
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

*Chip in panel cap 183A STA. 715+00			
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CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 68+95	Sta To: 68+95	Sta From: 68+95	Sta To: 73+71
	Direction: RAMP NB14 BACKWALL		Direction: RAMP NB14 NORTH BOUND	
By JK/FK	General Notes: RWA8		General Notes: RWW	
Date 3/17/11	South abutment wall of entrance ramp North of Lakeline Blvd.		East retaining wall of entrance ramp North of Lakeline Blvd.	
	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections*	7	5 MSE Other	8

		*Coping is skewed at 183A STA. 775+00 on the East retaining wall of the entrance ramp North of Lakeline Blvd.	
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2 Critical condition-roadway should be closed until repaired
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0 Failed condition-roadway closed, reconstruction of wall is required |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 774+99 Sta To: 784+70	Sta From: 784+70 Sta To: 784+70
	Direction: NORTH BOUND	Direction: BACKWALL
By JK/FK	General Notes: RWY NE retaining wall at Lakeline Blvd.	General Notes: RWA11 North abutment wall at Lakeline Blvd.
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

<p>*Tilted MSE panel at 183A STA. 778+00 on the NE retaining wall at Lake-line Blvd.</p>			
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| <p>N Not Applicable</p> <p>9 New construction-no problems noted</p> <p>8 Very good condition-no problems noted</p> <p>7 Good condition-some minor problems</p> <p>6 Satisfactory condition-minor deterioration of elements (limited)</p> <p>5 Fair condition-minor deterioration of elements (extensive)</p> | <p>4 Poor condition-deterioration significantly affects structural capacity</p> <p>3 Serious condition-deterioration seriously affects structural capacity</p> <p>2 Critical condition-roadway should be closed until repaired</p> <p>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</p> <p>0 Failed condition-roadway closed, reconstruction of wall is required</p> |
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CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 787+42 Sta To: 796+11	Sta From: 787+42 Sta To: 787+42
	Direction: NORTH BOUND	Direction: BACKWALL
By JK/FK	General Notes: RWZ SE retaining wall at Lakeline Blvd.	General Notes: RWA12 South abutment wall at Lakeline Blvd.
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints**	7	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections*	7	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

<p>*Coping is skewed at 183A STA. 794+00 on the SE retaining wall at Lake-line Blvd.</p> <p>**Water is running out from under the coping at 183A STA. 797+00 of the SE retaining wall at Lake-line Blvd.</p>			
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| <p>N Not Applicable</p> <p>9 New construction-no problems noted</p> <p>8 Very good condition-no problems noted</p> <p>7 Good condition-some minor problems</p> <p>6 Satisfactory condition-minor deterioration of elements (limited)</p> <p>5 Fair condition-minor deterioration of elements (extensive)</p> | <p>4 Poor condition-deterioration significantly affects structural capacity</p> <p>3 Serious condition-deterioration seriously affects structural capacity</p> <p>2 Critical condition-roadway should be closed until repaired</p> <p>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</p> <p>0 Failed condition-roadway closed, reconstruction of wall is required</p> |
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CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 600+39 Sta To: 605+64	Sta From: 11+20 Sta To: 12+96
	Direction: SOUTH BOUND	Direction: RAMP SB8
By JK/FK	General Notes: RWG NW retaining wall at 1431	General Notes: RWII NW retaining wall on entrance ramp South of 1431
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other*	7	5 CIP Sections	8	5 MSE Other	8

	<p>*There are drainage issues where the drain inlet empties into the terraced retaining walls.</p>		
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| <ul style="list-style-type: none"> N Not Applicable 9 New construction-no problems noted 8 Very good condition-no problems noted 7 Good condition-some minor problems 6 Satisfactory condition-minor deterioration of elements (limited) 5 Fair condition-minor deterioration of elements (extensive) | <ul style="list-style-type: none"> 4 Poor condition-deterioration significantly affects structural capacity 3 Serious condition-deterioration seriously affects structural capacity 2 Critical condition-roadway should be closed until repaired 1 Failing condition-roadway closed but wall is repairable-notify PM immediately 0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 14+96 Sta To: 18+65	Sta From: 683+10 Sta To: 685+32
	Direction: RAMP SB8	Direction: SOUTH BOUND
By JK/FK	General Notes: RWKK	General Notes: RWI
Date 3/17/11	SW retaining wall on the entrance ramp South of 1431	NW retaining wall at Brushy Creek Rd.
	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope*	7	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels*	7	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

	*Minor drainage issue at the top of slope.	*Cracks in panel cap above logo panel near abutment.	
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| <ul style="list-style-type: none"> N Not Applicable 9 New construction-no problems noted 8 Very good condition-no problems noted 7 Good condition-some minor problems 6 Satisfactory condition-minor deterioration of elements (limited) 5 Fair condition-minor deterioration of elements (extensive) | <ul style="list-style-type: none"> 4 Poor condition-deterioration significantly affects structural capacity 3 Serious condition-deterioration seriously affects structural capacity 2 Critical condition-roadway should be closed until repaired 1 Failing condition-roadway closed but wall is repairable-notify PM immediately 0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 11+38	Sta To: 11+50	Sta From: 10+46	Sta To: 16+10
	Direction: NB BRUSHY CREEK RAMP		Direction: SB BRUSHY CREEK RAMP	
By JK/FK	General Notes: RWL		General Notes: RWM	
Date 3/17/11	East retaining wall of the entrance/exit ramp at Brushy Creek. <input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		West retaining wall of the entrance/exit ramp at Brushy Creek. <input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope*	6	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

	*Significant erosion at west end of wall from wall drainage outlet.		
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| N Not Applicable
9 New construction-no problems noted
8 Very good condition-no problems noted
7 Good condition-some minor problems
6 Satisfactory condition-minor deterioration of elements (limited)
5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity
3 Serious condition-deterioration seriously affects structural capacity
2 Critical condition-roadway should be closed until repaired
1 Failing condition-roadway closed but wall is repairable-notify PM immediately
0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 700+50 Sta To: 700+50	Sta From: 699+18 Sta To: 708+08
	Direction: BACKWALL	Direction: SOUTH BOUND
By JK/FK	General Notes: RWA10 South abutment wall at Brushy Creek	General Notes: RWO SW retaining wall at Brushy Creek
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations*	7	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels**	7	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

		<p>*Mow curb has noticeably separated and/or settled around 1"-2" in depth.</p> <p>**Chipped panel cap near SB Toll Booth</p>	
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| <ul style="list-style-type: none"> N Not Applicable 9 New construction-no problems noted 8 Very good condition-no problems noted 7 Good condition-some minor problems 6 Satisfactory condition-minor deterioration of elements (limited) 5 Fair condition-minor deterioration of elements (extensive) | <ul style="list-style-type: none"> 4 Poor condition-deterioration significantly affects structural capacity 3 Serious condition-deterioration seriously affects structural capacity 2 Critical condition-roadway should be closed until repaired 1 Failing condition-roadway closed but wall is repairable-notify PM immediately 0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 711+38 Sta To: 712+51	Sta From: 724+41 Sta To: 728+45
	Direction: SOUTH BOUND	Direction: SOUTH BOUND
By JK/FK	General Notes: RWO0 East retaining wall located between Brushy Creek and South Brushy Creek	General Notes: RWR SW retaining wall at South Brushy Creek
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

*Chips in panel cap 183A STA. 711+60			
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| N Not Applicable
9 New construction-no problems noted
8 Very good condition-no problems noted
7 Good condition-some minor problems
6 Satisfactory condition-minor deterioration of elements (limited)
5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity
3 Serious condition-deterioration seriously affects structural capacity
2 Critical condition-roadway should be closed until repaired
1 Failing condition-roadway closed but wall is repairable-notify PM immediately
0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 719+80 Sta To: 719+80	Sta From: 715+50 Sta To: 719+80
	<input type="checkbox"/>	Direction: BACKWALL	Direction: SOUTH BOUND
By JK/FK	General Notes: RWA13 North abutment wall at South Brushy Creek		General Notes: RWEE NW retaining wall at South Brushy Creek
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels**	7	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections*	7	5 MSE Other	8

		*Crack in CIP at abutment wall 183A STA. 719+75; cracks and white leeching in panel cap 183A STA. 715+50; Chip in panel cap 183A STA. 715+60 **Panel caps are touching at two locations near north abutment	
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| N Not Applicable
9 New construction-no problems noted
8 Very good condition-no problems noted
7 Good condition-some minor problems
6 Satisfactory condition-minor deterioration of elements (limited)
5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity
3 Serious condition-deterioration seriously affects structural capacity
2 Critical condition-roadway should be closed until repaired
1 Failing condition-roadway closed but wall is repairable-notify PM immediately
0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 745+58 Sta To: 752+38	Sta From: 753+29 Sta To: 753+29
	<input type="checkbox"/>	Direction: SOUTH BOUND	Direction: BACKWALL
By JK/FK	General Notes: RWS NW retaining wall at Avery Ranch		General Notes: RWA9 North abutment wall at Avery Ranch
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels*	7	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

		*Skewed panel cap above the center right pilaster.	
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| <ul style="list-style-type: none"> N Not Applicable 9 New construction-no problems noted 8 Very good condition-no problems noted 7 Good condition-some minor problems 6 Satisfactory condition-minor deterioration of elements (limited) 5 Fair condition-minor deterioration of elements (extensive) | <ul style="list-style-type: none"> 4 Poor condition-deterioration significantly affects structural capacity 3 Serious condition-deterioration seriously affects structural capacity 2 Critical condition-roadway should be closed until repaired 1 Failing condition-roadway closed but wall is repairable-notify PM immediately 0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 761+44 Sta To: 770+26	Sta From: 59+94 Sta To: 62+79
	Direction: SOUTH BOUND	Direction: NB RAMP 14
By JK/FK	General Notes: RWV SW retaining wall at Avery Ranch	General Notes: RWU East retaining wall on exit ramp South of Avery Ranch
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope**	7	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

*Chip in panel cap 183A STA. 770+16	**Significant erosion at bot- tom of wall along mow curb 183A STA. 770+26
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| N Not Applicable
9 New construction-no problems noted
8 Very good condition-no problems noted
7 Good condition-some minor problems
6 Satisfactory condition-minor deterioration of elements (limited)
5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity
3 Serious condition-deterioration seriously affects structural capacity
2 Critical condition-roadway should be closed until repaired
1 Failing condition-roadway closed but wall is repairable-notify PM immediately
0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 68+95 Sta To: 70+64	Sta From: 779+66 Sta To: 784+70
	Direction: NB RAMP 14	Direction: SOUTH BOUND
By JK/FK	General Notes: RWX NW retaining wall of the entrance ramp North of Lakeline Blvd.	General Notes: RWB NW retaining wall at Lakeline Blvd.
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints **	7	3 Backfill	8
4 Panels*	7	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections*	7	5 MSE Other	8

<p>*Tilted MSE Panel next to the CTRMA logo panel. Located at 183A STA. 69+00 of the NW corner of the entrance ramp (North of Lakeline Blvd.).</p>		<p>*Coping is skewed at 183A STA. 783+00 on the NW retaining wall at Lakeline Blvd.</p> <p>**Water is running out from under the coping at 183A STA. 784+70 of the NW retaining wall at Lakeline Blvd. This location is also right at the corner of the retaining and abutment wall.</p>	
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| <ul style="list-style-type: none"> N Not Applicable 9 New construction-no problems noted 8 Very good condition-no problems noted 7 Good condition-some minor problems 6 Satisfactory condition-minor deterioration of elements (limited) 5 Fair condition-minor deterioration of elements (extensive) | <ul style="list-style-type: none"> 4 Poor condition-deterioration significantly affects structural capacity 3 Serious condition-deterioration seriously affects structural capacity 2 Critical condition-roadway should be closed until repaired 1 Failing condition-roadway closed but wall is repairable-notify PM immediately 0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 787+42 Sta To: 788+16		Sta From: 761+12 Sta To: 761+12
	<input type="checkbox"/>	Direction: SOUTH BOUND		Direction: BACKWALL
By JK/FK	General Notes: RWDD SW retaining wall at Lakeline Blvd.			General Notes: RWA6 South abutment wall at Avery Ranch
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other			<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other*	7	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

	<p>*Water run off from the Southbound main lanes is running through the planter bed and caused the mulch and soil to wash out. This location is right after the SW retaining wall ends at Lakeline Blvd.</p>		
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| <ul style="list-style-type: none"> N Not Applicable 9 New construction-no problems noted 8 Very good condition-no problems noted 7 Good condition-some minor problems 6 Satisfactory condition-minor deterioration of elements (limited) 5 Fair condition-minor deterioration of elements (extensive) | <ul style="list-style-type: none"> 4 Poor condition-deterioration significantly affects structural capacity 3 Serious condition-deterioration seriously affects structural capacity 2 Critical condition-roadway should be closed until repaired 1 Failing condition-roadway closed but wall is repairable-notify PM immediately 0 Failed condition-roadway closed, reconstruction of wall is required |
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CTRMA Retaining Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 605+48 Sta To: 605+48	Sta From: 18+57 Sta To: 15+06
	<input type="checkbox"/>	Direction: BACKWALL	Direction: SOUTHBOUND
By JK/FK	General Notes: RWA1 North abutment wall at 1431		General Notes: RWFF SE retaining wall on entrance ramp South of 1431
Date 3/17/11	<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other		<input checked="" type="checkbox"/> MSE <input type="checkbox"/> CIP <input type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	8	1 Face	8	1 Top Slope	8
2 Foundations	8	2 Toe Slope	8	2 Foundations	8	2 Toe Slope	8
3 Joints	8	3 Backfill	8	3 Joints	8	3 Backfill	8
4 Panels	8	4 CIP Other	8	4 Panels	8	4 CIP Other	8
5 CIP Sections	8	5 MSE Other	8	5 CIP Sections	8	5 MSE Other	8

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| <ul style="list-style-type: none"> N Not Applicable 9 New construction-no problems noted 8 Very good condition-no problems noted 7 Good condition-some minor problems 6 Satisfactory condition-minor deterioration of elements (limited) 5 Fair condition-minor deterioration of elements (extensive) | <ul style="list-style-type: none"> 4 Poor condition-deterioration significantly affects structural capacity 3 Serious condition-deterioration seriously affects structural capacity 2 Critical condition-roadway should be closed until repaired 1 Failing condition-roadway closed but wall is repairable-notify PM immediately 0 Failed condition-roadway closed, reconstruction of wall is required |
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Masonry Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 468+50 Sta To: 487+80	Sta From: 499+57 Sta To: 574+00
	<input type="checkbox"/>	Direction: South Bound	Direction: South Bound
By JK/FK	General Notes: Blockhouse Creek Subdivision Wall		General Notes: Blockhouse Creek Subdivision Wall
Date 3/21/11	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other		<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	NA	1 Face	8	1 Top Slope	NA
2 Foundations	8	2 Toe Slope	NA	2 Foundations	8	2 Toe Slope	NA
3 Joints*	7	3 Backfill	NA	3 Joints*	7	3 Backfill	NA
4 Panels	8	4 CIP Other	NA	4 Panels	8	4 CIP Other	NA
5 CIP Sections	8	5 MSE Other	NA	5 CIP Sections	8	5 MSE Other	NA

*Very minor cracking in the mortar joints.	*Very minor cracking in the mortar joints.
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| N Not Applicable
9 New construction-no problems noted
8 Very good condition-no problems noted
7 Good condition-some minor problems
6 Satisfactory condition-minor deterioration of elements (limited)
5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity
3 Serious condition-deterioration seriously affects structural capacity
2 Critical condition-roadway should be closed until repaired
1 Failing condition-roadway closed but wall is repairable-notify PM immediately
0 Failed condition-roadway closed, reconstruction of wall is required |
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Masonry Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 574+50 Sta To: 537+50	Sta From:	Sta To:
	Direction: South Bound	Direction:	
By JK/FK	General Notes: Ridgewood South Subdivision Wall		General Notes:
Date 3/21/11	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other		<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	NA	1 Face		1 Top Slope	
2 Foundations**	7	2 Toe Slope	NA	2 Foundations		2 Toe Slope	
3 Joints*	7	3 Backfill	NA	3 Joints		3 Backfill	
4 Panels	8	4 CIP Other	NA	4 Panels		4 CIP Other	
5 CIP Sections	8	5 MSE Other	NA	5 CIP Sections		5 MSE Other	

<p>*Very minor cracking in the mortar joints.</p> <p>**Corner of mow curb has broken off at approx. 183A STA. 543+00</p>			
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| <ul style="list-style-type: none"> N Not Applicable 9 New construction-no problems noted 8 Very good condition-no problems noted 7 Good condition-some minor problems 6 Satisfactory condition-minor deterioration of elements (limited) 5 Fair condition-minor deterioration of elements (extensive) | <ul style="list-style-type: none"> 4 Poor condition-deterioration significantly affects structural capacity 3 Serious condition-deterioration seriously affects structural capacity 2 Critical condition-roadway should be closed until repaired 1 Failing condition-roadway closed but wall is repairable-notify PM immediately 0 Failed condition-roadway closed, reconstruction of wall is required |
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Noise Barrier Wall Inspection Form



183A	<input checked="" type="checkbox"/>	Sta From: 653+51 Sta To: 687+95	Sta From: 635+40 Sta To: 641+29
	<input type="checkbox"/>	Direction: North Bound	Direction: North Bound
By JK/FK	General Notes: Noise Barrier Wall # 1,		General Notes: Noise Barrier Wall # 2
Date 3/17/11	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other		<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face*	6	1 Top Slope	NA	1 Face	8	1 Top Slope	NA
2 Foundations***	7	2 Toe Slope	NA	2 Foundations**	7	2 Toe Slope	NA
3 Joints	8	3 Backfill	NA	3 Joints	8	3 Backfill	NA
4 Panels	8	4 CIP Other	NA	4 Panels	8	4 CIP Other	NA
5 CIP Sections	8	5 MSE Other**	7	5 CIP Sections	8	5 MSE Other	NA
6 Coatings	8			6 Coatings	8		

<p>*Chips on panel face at approx. 183A STA. 657+80, 183A STA. 658+40, 183A STA. 662+80, 183A STA. 663+00, 183A STA. 665+00 & 183A STA. 671+20</p> <p>***Concrete mow curb is cracked at nearly every column.</p>	<p>**Drainage under wall at approx. 183A STA. 680+00 & 183A STA. 683+00.</p>	<p>**Concrete mow curb is cracked at nearly every column.</p>	
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- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>N Not Applicable</p> <p>9 New construction-no problems noted</p> <p>8 Very good condition-no problems noted</p> <p>7 Good condition-some minor problems</p> <p>6 Satisfactory condition-minor deterioration of elements (limited)</p> <p>5 Fair condition-minor deterioration of elements (extensive)</p> | <p>4 Poor condition-deterioration significantly affects structural capacity</p> <p>3 Serious condition-deterioration seriously affects structural capacity</p> <p>2 Critical condition-roadway should be closed until repaired</p> <p>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</p> <p>0 Failed condition-roadway closed, reconstruction of wall is required</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Noise Barrier Wall Inspection Form



183A <input checked="" type="checkbox"/>	Sta From: 659+59 Sta To: 687+87	Sta From: 619+84 Sta To: 631+90
	Direction: South Bound	Direction: South Bound
By JK/FK	General Notes: Noise Barrier Wall # 3	General Notes: Noise Barrier Wall # 4A
Date 3/17/11	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face*	7	1 Top Slope	NA	1 Face*	7	1 Top Slope	NA
2 Foundations**	7	2 Toe Slope	NA	2 Foundations**	7	2 Toe Slope	NA
3 Joints	8	3 Backfill	NA	3 Joints	8	3 Backfill	NA
4 Panels	8	4 CIP Other	NA	4 Panels	8	4 CIP Other	NA
5 CIP Sections*	7	5 MSE Other	NA	5 CIP Sections	8	5 MSE Other	NA
6 Coatings	8			6 Coatings	8		

<p>*Chip in column approx. 183A STA. 677+20</p> <p>**Concrete mow curb is cracked at nearly every column.</p>		<p>*Chip in panel face at approx. 183A STA. 623+80 & 183A STA. 626+20</p> <p>**Concrete mow curb is cracked at nearly every column.</p> <p>Note:</p> <ul style="list-style-type: none"> Some wall inserts on bottom of wall at drain locations are dis-lodged. 	<ul style="list-style-type: none"> Drainage under walls is blocked by home owner with rocks.
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>N Not Applicable</p> <p>9 New construction-no problems noted</p> <p>8 Very good condition-no problems noted</p> <p>7 Good condition-some minor problems</p> <p>6 Satisfactory condition-minor deterioration of elements (limited)</p> <p>5 Fair condition-minor deterioration of elements (extensive)</p> | <p>4 Poor condition-deterioration significantly affects structural capacity</p> <p>3 Serious condition-deterioration seriously affects structural capacity</p> <p>2 Critical condition-roadway should be closed until repaired</p> <p>1 Failing condition-roadway closed but wall is repairable-notify PM immediately</p> <p>0 Failed condition-roadway closed, reconstruction of wall is required</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Noise Barrier Wall Inspection Form



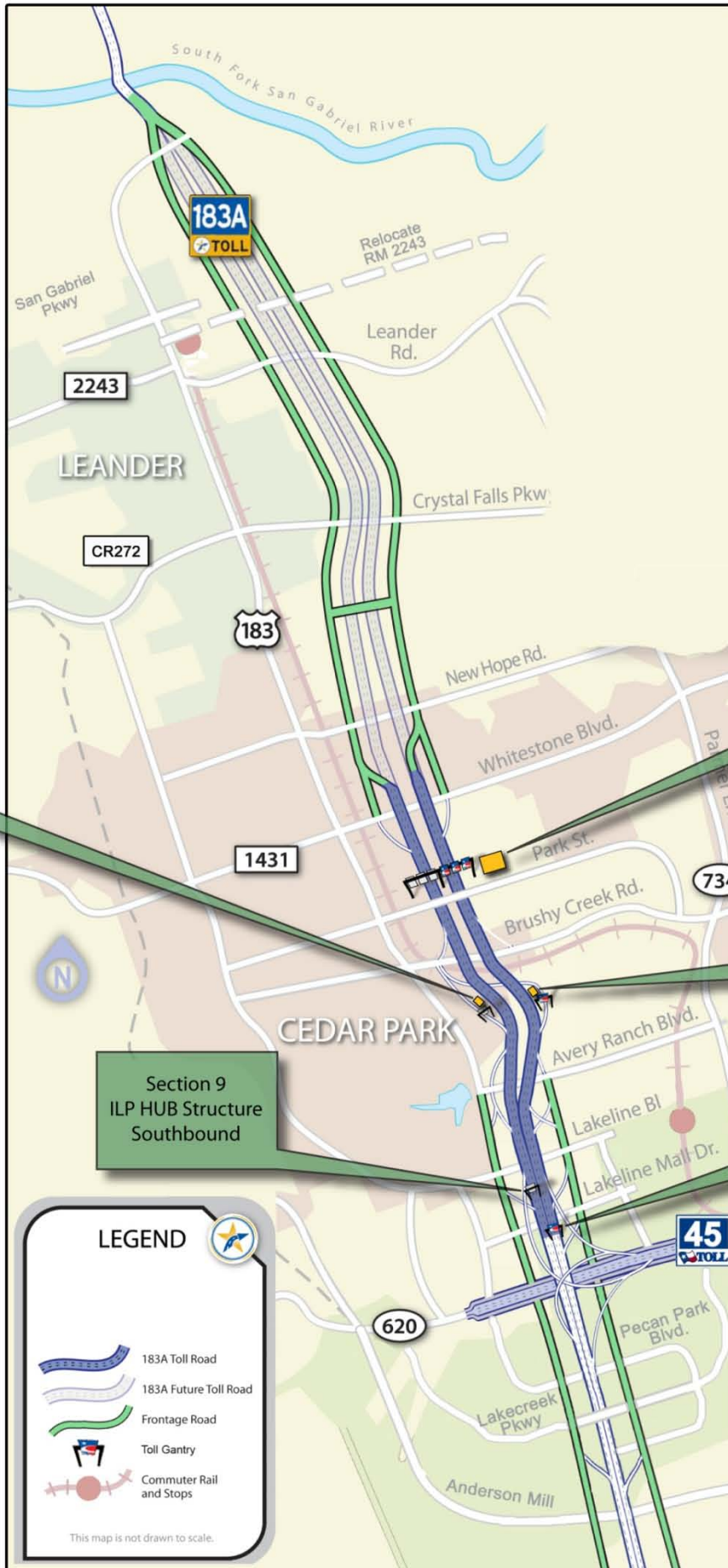
183A	<input checked="" type="checkbox"/>	Sta From: 629+27 Sta To: 631+76	Sta From: 638+41 Sta To: 640+99
	<input type="checkbox"/>	Direction: South Bound	Direction: South Bound
By JK/FK	General Notes: Noise Barrier Wall # 4B		General Notes: Noise Barrier Wall # 4C
Date 3/17/11	<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other		<input type="checkbox"/> MSE <input type="checkbox"/> CIP <input checked="" type="checkbox"/> Unknown/Other

Wall		Earth		Wall		Earth	
1 Face	8	1 Top Slope	NA	1 Face	8	1 Top Slope	NA
2 Foundations*	7	2 Toe Slope	NA	2 Foundations	8	2 Toe Slope	NA
3 Joints	8	3 Backfill	NA	3 Joints	8	3 Backfill	NA
4 Panels	8	4 CIP Other	NA	4 Panels	8	4 CIP Other	NA
5 CIP Sections	8	5 MSE Other	NA	5 CIP Sections	8	5 MSE Other	NA
6 Coatings	8			6 Coatings	8		

*Concrete mow curb is cracked at nearly every column.			
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- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| N Not Applicable
9 New construction-no problems noted
8 Very good condition-no problems noted
7 Good condition-some minor problems
6 Satisfactory condition-minor deterioration of elements (limited)
5 Fair condition-minor deterioration of elements (extensive) | 4 Poor condition-deterioration significantly affects structural capacity
3 Serious condition-deterioration seriously affects structural capacity
2 Critical condition-roadway should be closed until repaired
1 Failing condition-roadway closed but wall is repairable-notify PM immediately
0 Failed condition-roadway closed, reconstruction of wall is required |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Buildings



Brushy Creek Ramp
Toll Plaza
Southbound

Section 9
ILP HUB Structure
Southbound

Field Operations
Building and
Mainlane Toll Plaza

Brushy Creek Ramp
Toll Plaza
Northbound

Section 9
ILP HUB Structure
Northbound

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/14/2011
General Notes: Mainline Toll Plaza at Park St.		

Building Exterior

Category	Condition	Comments
Wall Systems	8	
Sealants	8	
Paint	5	Significant paint chipping / peeling on toll plaza superstructure. Some Rust. (Warranty item to be addressed by Developer.)
Glazing	8	
Signage	8	See comments below.
Trellis	8	Small areas require paint touch up.
Handrails	8	Pedestrian handrail screen has been damaged on west end. West end top stairwell banister needs end capped.
Doors	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Wall Leaks	X			
Water Stains/Damage	X			
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other				

Comments:

- At the time of this inspection the Shared-Use Path Section I was under construction. This construction has damaged the irrigation system plumbing and electrical, landscape work needs to be redone, a stop sign is down and concrete work needs to be completed. As this should be handled under the Shared-Use Path Section I construction, the condition is noted here at the time of inspection.

Roofing

Primary Roof Description	Condition	Comments
Metal	8	All Lightning rods and ice guards are present.

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/14/2011
General Notes: Mainline Toll Plaza at Park St.		

Building Interior

Category	Condition	Comments
Main Lobby	8	
Corridor Finishes	8	
Windows	8	
Doors	7	The door to cash room does not consistently open when activated. This requires the person to exit the building through the fire exit.
Restrooms	8	
Security	8	
Paint	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Previous Repairs	X			
Other				

Elevators

Category	Condition	Comments
Interior Finishes	8	
Doors	7	Outside doors (both elevators - lower level) have rust on the hinges.
Control Panels	8	
Equipment Room	8	
Other	8	

Comments: Elevator inspection certification expires 03/22/2011

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/14/2011
General Notes: Mainline Toll Plaza at Park St.		

Site Improvements

Category	Condition	Comments
Sidewalks	8	See comments below.
Ramps/Rails	8	
Building-Mounted Lighting	8	
Pole-Mounted Lighting	8	
Fences	7	Fence has not been grounded and has paint damage. Bars are bent at the North gate.
Rock Wall	8	See comments below.
Site Drainage	8	
Drainage Structures	8	See comments below.
Screen Wall / Dumpster Enclosure	8	Concrete spoils on metal beams.
Landscaping	7	Freeze damaged plants and see comments below.
Irrigation System	7	Exposed irrigation tubing in several places under trellis and see comments below.
Parking lot	8	
Other		

Comments:

- Weep holes in lane dividers are partially clogged.
- Walkway screening (west end) over lane 18 has loose bolts.
- At the time of this inspection the Shared-Use Path was under construction. This construction has damaged the irrigation system plumbing and electrical, landscape work needs to be redone, a stop sign is down and concrete work needs to be completed. As this should be handled under the Shared-Use Path construction, the condition is noted here at the time of inspection.

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Cracking / Damage	X			
Heaving / Settling	X			
Erosion	X			
Ponding	X			
Other	X			
		X		ILP3 (NB ORT) has duct work that is not fire insulated.

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/14/2011
General Notes: Mainline Toll Plaza at Park St.		

Structure

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Grade Beams / Walls	8	
Roof Structure	8	
Columns	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermin- ing	X			
Previous Repairs	X			
Other				

Comments:

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/14/2011
General Notes: Mainline Toll Plaza at Park St.		

Electrical

Category	Condition	Comments
Electrical Room	8	
Wiring / Conduit	8	
Emergency Power	8	
Primary Lighting	8	
GFCI	8	
Telephone Room	8	
Primary Transformers	8	
Step-Down Transformers	8	
System Capacity (volts/amps/phases)	8	
Power Provider / Reported adequacy	8	
UPS	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/14/2011
General Notes: Mainline Toll Plaza at Park St.		

Mechanical Systems

Category	Condition	Comments
Cooling	7	Southwest condenser unit piping at wall penetration is not sealed.
Heating	5	PTAC HVACs are not reliable.*
Air Handlers	8	
Outside Air Provision	8	
Exhaust Fans	8	
Ductwork/ Insulation	8	
Reported Capacity Adequacy	8	
Backflow Preventer	8	City of Cedar Park system

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork/ Insulation	X			
Other	X			

Fire Protection

Category	Condition	Comments
Alarm System	8	
Smoke Detectors	8	
Heat Detectors	8	
Other	7	Fire extinguishers in FOB expired 2/10. All gauges indicate in the green.

Comments:

- Room 109–Not all ceiling penetrations have fire stopping.
- * Warranty item to be addressed by CDA Developer.

CTRMA Building Inspection Form



183A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Field Operations Building	By FK on 3/14/2011
General Notes: Mainline Toll Plaza at Park St.			

Plumbing

Category	Condition	Comments
Water Supplier / Reported Adequacy	8	
Water Piping	8	
Water Flow & Pressure	8	
Hot Water Source	8	
Reported Hot Water Capacity	8	
Piping insulation	8	
Sanitary Sewer System	8	
Plumbing Fixtures	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Corrosion	X			
Leaks	X			
Sewer Back-ups	X			
Damaged Insulation	X			

Comments:

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Toll Plaza and Access Walkway	By FK on 3/14/2011
General Notes: Mainline Toll Plaza–Gantry at Park St.		

Gantry Exterior

Category	Condition	Comments
Wall Systems	8	
Sealants	8	
Paint	5	Significant paint chipping / peeling on toll plaza superstructure. Some Rust. (Warranty item to be addressed by Developer.)
Glazing	8	
Steps / Stairs	8	Paint touch up east and west gantry under stairs and at stairwell screening.
Handrails	8	Pedestrian handrail screen has been damaged on west end. West end top stairwell banister needs end capped.
Doors	8	
Plaza Superstructure	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Wall Leaks	X			
Water Stains/Damage	X			
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other				

Comments:

Roofing

Primary Roof Description	Condition	Comments
Metal	8	All Lightning rods and ice guards are present.

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CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Toll Plaza and Access Walkway	By FK on 3/14/2011
General Notes: Mainline Toll Plaza–Gantry at Park St.		

Building Interior

Category	Condition	Comments
Windows	8	
Doors	8	
Security	8	
Paint	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Previous Repairs	X			
Other				

Site Improvements

Category	Condition	Comments
Building-Mounted Lighting	8	
Site Drainage	7	Weep holes in lane dividers are partially clogged.
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Cracking / Damage	X			
Heaving / Settling	X			
Erosion	X			
Ponding	X			
Other	X			
		X		ILP3 (NB ORT) has duct work that is not fire insulated

Comments:

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Toll Plaza and Access Walkway	By FK on 3/14/2011
General Notes: Mainline Toll Plaza–Gantry at Park St.		

Electrical

Category	Condition	Comments
Electrical Room	8	
Wiring / Conduit	8	
Primary Lighting	8	
GFCI	8	
Primary Transformers	8	
Step-Down Transformers	8	
System Capacity (volts/amps/phases)	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

Fire Protection

Category	Condition	Comments
Alarm System	8	
Smoke Detectors	8	
Heat Detectors	8	
Other	7	All extinguishers in toll booths are expired. All gauges indicate in the green.

CTRMA Building Inspection Form



183A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Toll Plaza and Access Walkway	By FK on 3/14/2011
General Notes: Mainline Toll Plaza–Gantry at Park St.			

Mechanical Systems

Category	Condition	Comments
Cooling	5	PTAC HVACs are not reliable.*
Heating	5	PTAC HVACs are not reliable.*
Insulation	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Insulation	X			
Other	X			

Comments:

- MLTP SB ORT ILP has conduit that needs fire stopping.
- * Warranty item to be addressed by CDA Developer.

CTRMA Building Inspection Form



183A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/14/2011
General Notes: South Bound			

Building Exterior

Category	Condition	Comments
Wall Systems	8	
Sealants	8	
Paint	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Wall Leaks	X			
Water Stains/Damage		X		Camera housing is rusting.
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other				

Roofing

Primary Roof Description	Condition	Comments
Concrete	8	

Site Improvements

Category	Condition	Comments
Sidewalks	8	
Ramps/Rails	8	
Building-Mounted Lighting	8	
Pole-Mounted Lighting		N/A
Fences	7	Fence has not been grounded and has paint damage. No lock, Open when inspected.
Other		

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/14/2011
General Notes: South Bound		

Structure

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermining	X			
Previous Repairs	X			
Other				

Cooling System

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork / Insulation	X			
Damaged Piping / Insulation	X			
Other				

CTRMA Building Inspection Form



183A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/14/2011
General Notes: South Bound			

Electrical

Category	Condition	Comments
Electrical Room	8	
Wiring / Conduit	8	
Emergency Power	8	
Primary Lighting	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

Building Interior

Category	Condition	Comments
Finishes	8	
Doors	8	
Security	5	Gate is not locked.
Other	8	

- N Not Applicable
- 9 New construction-no problems noted
- 8 Very good condition-no problems noted
- 7 Good condition-some minor problems
- 6 Satisfactory condition-minor deterioration of structural elements (limited)
- 5 Fair condition-minor deterioration of structural elements (extensive)
- 4 Poor condition-deterioration significantly affects structural capacity
- 3 Serious condition-deterioration seriously affects structural capacity
- 2 Critical condition- should be closed until repair
- 1 Falling condition- closed but repairable
- 0 Failed condition- closed and beyond repair

CTRMA Building Inspection Form



183A	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/14/2011
General Notes: North Bound			

Building Exterior

Category	Condition	Comments
Wall Systems	8	
Sealants	8	
Paint	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Wall Leaks	X			
Water Stains/Damage	X			
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other				

Roofing

Primary Roof Description	Condition	Comments
Concrete	8	

Site Improvements

Category	Condition	Comments
Sidewalks	8	
Ramps/Rails	8	
Building-Mounted Lighting	8	
Pole-Mounted Lighting		N/A
Fences	7	Fence has not been grounded and has paint damage. No lock, Open when inspected.
Other		

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/14/2011
General Notes: North Bound		

Structure

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermining	X			
Previous Repairs	X			
Other				

Cooling System

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork / Insulation	X			
Damaged Piping / Insulation	X			
Other				

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Section 9 ILP HUB Structure	By FK on 3/14/2011
General Notes: North Bound		

Electrical

Category	Condition	Comments
Electrical Room	8	
Wiring / Conduit	8	
Emergency Power	8	
Primary Lighting	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

Building Interior

Category	Condition	Comments
Finishes	8	
Doors	8	
Security	5	Gate is not locked.
Other	8	

- N Not Applicable
- 9 New construction-no problems noted
- 8 Very good condition-no problems noted
- 7 Good condition-some minor problems
- 6 Satisfactory condition-minor deterioration of structural elements (limited)
- 5 Fair condition-minor deterioration of structural elements (extensive)
- 4 Poor condition-deterioration significantly affects structural capacity
- 3 Serious condition-deterioration seriously affects structural capacity
- 2 Critical condition- should be closed until repair
- 1 Falling condition- closed but repairable
- 0 Failed condition- closed and beyond repair

CTRMA Building Inspection Form



183A

Facility: Brushy Creek Ramp

By FK on 3/14/2011

General Notes: South Bound Toll Plaza

Building Exterior / Interior

Category	Condition	Comments
Wall Systems	7	Floor is not fastened.
Sealants	8	
Paint	8	
Doors	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Door Leaks	X			
Water Stains/Damage	X			
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other		X		Camera housing on hut is rusting.

Roofing

Primary Roof Description	Condition	Comments
Flat metal	8	

Site Improvements

Category	Condition	Comments
Sidewalks	8	
Ramps/Rails	8	
Building-Mounted Lighting	8	
Pole-Mounted Lighting	8	
Drainage	8	
Other	7	Restroom has trash and discarded mats piled inside. Door to water facet locked in "open" position. Door should be secured.

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/14/2011
General Notes: South Bound Toll Plaza		

Structure

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermining	X			
Previous Repairs	X			
Other		X		ILP Hut, Floor edge trim is coming unglued in places.

Mechanical Systems

Category	Condition	Comments
Cooling	8	
Heating	8	
Exhaust Fans	8	
Backflow Preventer	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork / Insulation	X			
Damaged Piping / Insulation	X			
Other				

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/14/2011
General Notes: South Bound Toll Plaza		

Electrical

Category	Condition	Comments
Wiring / Conduit	8	
GFCI	7	ILP Hut, Outside GFCI does not test. Breaker could be turned off.
Emergency Power	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

Plumbing / Fire Protection

Category	Condition	Comments
Water Flow / Pressure	8	
Sanitary Sewer System	8	
Plumbing Fixtures	8	
Alarm System	8	
Smoke Detectors	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Leaks	X			
Corrosion	X			
Sewer Backups	X			
Other		X		Fire extinguisher is expired. Gauge indicated in the green.

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/14/2011
General Notes: North Bound Toll Plaza		

Building Exterior / Interior

Category	Condition	Comments
Wall Systems	7	Floor panels are missing and some are not secured.
Sealants	8	
Paint	8	
Doors	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Wall Distress (cracks)	X			
Window/Door Leaks		X		ILP Hut, Bottom door seal plate is not in place.
Water Stains/Damage	X			
Deteriorated Sealants	X			
Condensation/Mildew	X			
Other		X		Camera housing on hut is rusting.

Roofing

Primary Roof Description	Condition	Comments
Flat metal	8	

Site Improvements

Category	Condition	Comments
Sidewalks	8	
Ramps/Rails	8	
Building-Mounted Lighting	8	
Pole-Mounted Lighting	8	
Drainage	8	
Other	7	Door to water facet locked in "open" position. Should be secured.

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/14/2011
General Notes: North Bound Toll Plaza		

Structure

Category	Condition	Comments
Construction-General	8	
Foundation	8	
Floor Slab	8	
Roof Structure	8	
Expansion Joints	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Structural Distress (cracks)	X			
Foundation Distress	X			
Corrosion	X			
Heaving / Settlement	X			
Erosion / Undermining	X			
Previous Repairs	X			
Other				

Mechanical Systems

Category	Condition	Comments
Cooling	8	
Heating	8	
Exhaust Fans	8	
Backflow Preventer	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Noisy Operation	X			
Corrosion	X			
Damaged Ductwork / Insulation	X			
Damaged Piping / Insulation	X			
Other				

CTRMA Building Inspection Form



183A <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Facility: Brushy Creek Ramp	By FK on 3/14/2011
General Notes: North Bound Toll Plaza		

Electrical

Category	Condition	Comments
Wiring / Conduit	8	
GFCI	7	ILP Hut, Outside GFCI does not test. Breaker could be turned off.
Emergency Power	8	
Other		

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Exposed Connections	X			
Hot Spots	X			
Wiring Problems	X			
Water Infiltration	X			
Missing Panel Face Plates	X			
Other				

Plumbing / Fire Protection

Category	Condition	Comments
Water Flow / Pressure	8	
Sanitary Sewer System	8	
Plumbing Fixtures	8	
Alarm System	8	
Smoke Detectors	8	

Problems Observed/ Reported	None Observed	Isolated	Extensive	Comments
Leaks	X			
Corrosion	X			
Sewer Backups	X			
Other		X		Fire extinguisher is expired. Gauge indicated in the green.