

**ALAMEDA CORRIDOR
MAINTENANCE AGREEMENT
(RAIL CORRIDOR AND NON-RAIL COMPONENTS)**

by and between

ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY,
a California joint powers authority

and

RailWorks Track Services, Inc.

dated as of

[REDACTED], 2019

Page intentionally left blank.

TABLE OF CONTENTS

	Page
ARTICLE 1	DEFINITIONS 1
1.1	Specific Definitions 1
1.2	References 7
ARTICLE 2	ENGAGEMENT OF CONTRACTOR; USE OF RAIL CORRIDOR 8
2.1	Engagement of Contractor; Changes in Scope of Services 8
2.2	Use of Rail Corridor 9
2.3	Use by POLA, POLB, ACTA, BNSF and/or UP 9
2.4	Additions to, Modifications of and Removal of Facilities by POLA, POLB, ACTA, BNSF and/or UP 9
2.5	No Changes to Maintained Facilities by Contractor 10
ARTICLE 3	AS-IS; WARRANTY DISCLAIMER; CONSTRUCTION WARRANTIES 10
3.1	Acknowledgement Regarding Investigations 10
3.2	Acceptance of Rail Corridor and Maintained Facilities As-Is 11
3.3	No Representations or Warranties Regarding Materials or Documents 11
ARTICLE 4	COMMENCEMENT DATE; TERM 12
4.1	Commencement Date and Term 12
ARTICLE 5	APPROVED MAINTENANCE PLAN; MAINTENANCE INVOICES 12
5.1	Annual Maintenance Budget 12
5.2	Review and Approval of Proposed Maintenance Plans 13
5.3	Plan Dispute 14
5.4	Modifications to Maintenance Standards 14
5.5	Not-to Exceed Amount 14
5.6	Payments to Contractor 14
5.7	Subcontractors 16
5.8	Vacant Positions 18
5.9	CTOs 18
5.10	Fully Burdened Labor Rate 19
ARTICLE 6	MAINTENANCE OF THE MAINTAINED FACILITIES 20
6.1	Contractor's Obligation to Provide the Services 20
6.2	Maintenance Standards 21
6.3	Excess or Salvage Material 22
6.4	Inspections 22
6.5	Repair of Damage Caused by Contractor 23
6.6	Coordination of Services with Other Entities 23
6.7	Warranty of Services 23
ARTICLE 7	DERAILMENTS 25
7.1	Clearing of Derailments and Repair of Damage Caused by Derailments 25
ARTICLE 8	CAPITAL IMPROVEMENTS 26
8.1	Capital Improvements 26
8.2	Ownership of Improvements and Alterations 26

TABLE OF CONTENTS
(continued)

		Page
8.3	Capital Improvements by ACTA, Owner or Railroads	26
8.4	Construction Work by ACTA, Owner or Railroads	27
8.5	Repair of Damage Caused by Force Majeure	27
ARTICLE 9	SAFETY AND SECURITY	27
9.1	Safety Program	27
9.2	Encroachers, Trespassers and Other Third Parties; Hazards	28
9.3	Security	28
ARTICLE 10	COMPLIANCE WITH LAWS, LICENSING, TAXES AND ASSESSMENTS	28
10.1	Compliance with Laws	28
10.2	Licenses and Permits	28
10.3	Compliance with Prevailing Wage Requirements	29
10.4	Compliance with Apprenticeship Requirements	30
ARTICLE 11	PERSONNEL AND EQUIPMENT	30
11.1	Personnel	30
11.2	Relationship of ACTA and Contractor	31
11.3	Relationship of ACTA and Subcontractors	31
11.4	No Employment Relationship Created	31
11.5	Contractor Supplied Equipment	31
11.6	Labor Protective Conditions	32
11.7	Maintenance Yard	32
ARTICLE 12	PROHIBITION AGAINST LIENS; PAYMENT OF TAXES AND ASSESSMENTS	34
12.1	Liens	34
12.2	Taxes	34
ARTICLE 13	REPORTS AND NOTICES	34
13.1	Delivery of Notices	34
13.2	Statements	34
13.3	Audit Rights	35
13.4	Inspection Reports	35
13.5	Other Reports and Information	35
13.6	Records Retention; Review	35
13.7	Public Records Act	36
13.8	Confidentiality	36
13.9	Ownership of Reports and Documents	37
ARTICLE 14	OPERATING AGREEMENT	37
14.1	Role of Owner and Railroads	37
14.2	No Modification of Operating Agreement	37
14.3	Authorized ACTA Representatives	37
ARTICLE 15	DEFAULT AND REMEDIES	38
15.1	Defaults	38
15.2	Remedies	38

TABLE OF CONTENTS
(continued)

		Page
15.3	Termination for Convenience.....	39
15.4	Transfer of Rights Upon Termination	39
ARTICLE 16	INDEMNIFICATION AND LIABILITY.....	40
16.1	General Indemnity	40
16.2	Environmental Provisions and Indemnity	40
16.3	ACTA's Indemnity for Certain Environmental Contamination.....	41
16.4	Demand Process; Notifications	41
16.5	Releases	42
16.6	Interpretation	43
16.7	References to POLA, POLB and ACTA.....	43
16.8	Survival	44
ARTICLE 17	INSURANCE	44
17.1	Required Insurance.....	44
17.2	Additional Insureds	45
17.3	Insurance to be Primary.....	46
17.4	Separation of Insureds	46
17.5	Cancellation or Termination of Insurance.....	46
17.6	Verification and Maintenance of Coverage.....	46
17.7	Failure to Maintain Insurance.....	46
17.8	Changes to Coverage Requirements.....	46
17.9	Requirements not Limiting.....	47
17.10	Waiver of Right of Recovery	47
17.11	Agreement Deemed To Commence	47
17.12	No Waiver by ACTA	47
17.13	Priority of Interpretation.....	47
17.14	Undisclosed Coverage Restrictions.....	47
17.15	Self-Insurance Requires Approval; Retentions	47
17.16	Notice of Claim	47
17.17	Insurance for Subcontractors.....	48
17.18	Supply Copies of Insurance Policies	48
ARTICLE 18	CASUALTY.....	48
18.1	No Requirement to Repair.....	48
18.2	Termination for Force Majeure	48
ARTICLE 19	REPRESENTATIONS AND WARRANTIES	49
19.1	Representations and Warranties of ACTA.....	49
19.2	Representations and Warranties of Contractor.....	49
ARTICLE 20	DISPUTE RESOLUTION	49
20.1	Written Notice and Good Faith Efforts	49
20.2	Superior Court Filing.....	49
20.3	Public Contract Code.....	50
ARTICLE 21	NOTICES	50
21.1	Written Notification	50

TABLE OF CONTENTS
(continued)

		Page
21.2	Address or Addressee Changes	51
ARTICLE 22	MISCELLANEOUS.....	51
22.1	Severability.....	51
22.2	Assignment; Agreement Binding on Successors and Assigns	51
22.3	Amendments.....	52
22.4	Recordation and Termination.....	52
22.5	Counterparts	52
22.6	Third Party Beneficiaries.....	52
22.7	Effect of Agreement	52
22.8	Waiver	53
22.9	Time of Essence	53
22.10	Governing Law; Forum	53
22.11	Incorporation of Exhibits.....	53
22.12	Incorporation of Request for Proposals.....	53
22.13	Construction	53
22.14	No Relocation Assistance.....	53
22.15	Non-discrimination.....	54
22.16	Public Works Contract	54
22.17	Small Business Enterprise (SBE) Participation.....	54
22.18	Conflict of Interest.....	54
22.19	Further Assurances	54
22.20	Transfer to Contractor of Certain Regulatory Obligations.....	54
22.21	Taxpayer Identification Number	55

EXHIBITS

EXHIBIT 1	MAP OF RAIL CORRIDOR AND MAINTAINED FACILITIES
EXHIBIT 2	SCHEDULE OF EQUIPMENT TO BE PROVIDED AND MAINTAINED BY CONTRACTOR
EXHIBIT 3	APPROVED MAINTENANCE PLAN FOR FIRST CONTRACT YEAR (COMMENCEMENT DATE ON OR ABOUT MAY 1, 2019 THROUGH DECEMBER 31, 2019)
EXHIBIT 4	AMENDED AND RESTATED ALAMEDA CORRIDOR CAPITAL EXPENSE GUIDELINES EFFECTIVE JANUARY 1, 2018
EXHIBIT 5	DISPUTE RESOLUTION PROCESS
EXHIBIT 6	SMALL BUSINESS ENTERPRISE (SBE) REQUIREMENTS
EXHIBIT 7	REQUEST FOR PROPOSALS DATED AUGUST 15, 2018
SCHEDULE 1	SCHEDULE OF MATERIALS AND EQUIPMENT DELIVERED BY ACTA TO CONTRACTOR

ALAMEDA CORRIDOR MAINTENANCE AGREEMENT
RAIL CORRIDOR AND NON-RAIL COMPONENTS

THIS ALAMEDA CORRIDOR MAINTENANCE AGREEMENT (this “Agreement”) is made and entered into as of [REDACTED], 2019, by and between **ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY**, a joint powers authority created under the laws of the State of California (“ACTA”), and Railworks Track Services, Inc., an Indiana corporation (“Contractor”) with reference to the following Recitals:

RECITALS:

A. Pursuant to that certain Amended and Restated Alameda Corridor Use and Operating Agreement dated as of December 15, 2016 (as such agreement has been or may be amended, modified or supplemented from time to time, “**Operating Agreement**”), by and among ACTA, the City of Long Beach, a municipal corporation acting through its Board of Harbor Commissioners (“**POLB**”), the City of Los Angeles, a municipal corporation acting through its Board of Harbor Commissioners (“**POLA**”), BNSF Railway Company, a Delaware corporation (formerly known as The Burlington Northern and Santa Fe Railway Company) (“**BNSF**”), and Union Pacific Railroad Company, a Delaware corporation (“**UP**”), ACTA constructed the rail infrastructure project known as the Alameda Corridor in Los Angeles County, California.

B. Pursuant to the Operating Agreement, the Contractor has been selected to provide the maintenance services for the Rail Corridor and the Non-Rail Components and perform related duties, as described in this Agreement. In accordance with the Operating Agreement, ACTA seeks to engage Contractor to provide the maintenance services and Contractor desires to perform such maintenance services and fulfill its other duties, all as more particularly described in this Agreement.

NOW, THEREFORE, Contractor and ACTA hereby agree as follows:

ARTICLE 1
DEFINITIONS

1.1 Specific Definitions. The following capitalized terms are used in this Agreement with the following meanings:

“**AEI Readers**” means the “Automatic Equipment Identification” reader system equipment located on the Rail Corridor.

“**Affiliate**” has the meaning given to such term in Section 150 of the California Corporations Code, as amended from time to time.

“**Allowed Markup**” means a percentage which shall be added to the costs and expenses actually incurred by Contractor in purchasing or providing equipment, materials, supplies and/or other Direct Costs, including the costs of subcontracting and vendor services, in connection with Contractor’s performance of the Services under this Agreement. This percentage shall equal

5 percent (5%) for labor, 10 percent (10%) for materials, and 15 percent (15%) for other qualifying items. The Allowable Markup shall not apply to Contractor's Fully Burdened Labor Rates, Contractor-owned or leased vehicles and equipment, Services performed under this Agreement by an Affiliate of the Contractor, and Services transferred to a Subcontractor that were to be performed by the Contractor under the Approved Maintenance Plan unless otherwise approved by ACTA.

"Annual Maintenance Budget" has the meaning given such term in Section 5.1.

"Approved AAR Total Signal Costs" means the total annual amount payable to Contractor for all signal and communications maintenance for the Contract Year, which amount shall be set forth in the Approved Maintenance Plan and payable by ACTA in accordance with Section 5.6.3. Such amount shall equal the Approved AAR Unit Signal Costs multiplied by the total number of signal units.

"Approved AAR Unit Signal Costs" means the agreed-to annual amount payable per signal unit to Contractor for all signal and communications maintenance for the Contract Year, which amount shall be set forth in the Approved Maintenance Plan.

"Approved Maintenance Plan" has the meaning given such term in Section 5.2.

"Bridge Management Plan" means the plan to maintain and inspect ACTA rail bridges developed by the Contractor in compliance with FRA 49CFR Part §237 et seq. requirements.

"Capital Expenses" means the costs and expenses incurred in making any Capital Improvements.

"Capital Expense Guidelines" means the guidelines adopted pursuant to the Operating Agreement from time to time, the current version of which is attached hereto as Exhibit 4.

"Capital Improvements Charges" means any capital additions, betterments and upgrades, or capital replacements to the Maintained Facilities as determined to be Capital Expenses in accordance with the Capital Expense Guidelines.

"CFR" means the Code of Federal Regulations.

"Commencement Date" has the meaning given such term in Section 4.1.

"Consequential Damages" has the meaning given such term in Section 15.2.2.

"Contract Year" means each twelve month period commencing on January 1 and ending on December 31 during the term hereof, except that the first Contract Year of the term hereof shall commence on the Commencement Date and end on December 31, 2019, and the last Contract Year of the term hereof shall commence on January 1, 2024 and end at 11:59 p.m. Los Angeles time on April 14, 2024.

“Corridor Dispatcher” means the entity selected from time to time pursuant to the Operating Agreement to provide dispatching service with respect to the Rail Corridor. As of the date hereof, the Corridor Dispatcher is, collectively, BNSF and UP.

“CTO” means a Contract Task Order for work authorized under Section 5.9.

“Deficiency Notice” has the meaning given such term in Section 5.3.

“Direct Costs” has the meaning given such term in Section 5.6.5.

“Drill Track” means a single track rail line, support structures relating thereto and the real property on and along which such rail line is located, generally running adjacent to and parallel with the Rail Corridor, as shown on the Map, which Drill Track is for the use and operation of UP in connection with serving local industry and access to UP’s Dolores Yard.

“Environmental Laws” means any and all federal, state and local laws, statutes, ordinances, orders, regulations, plans, policies and decrees and the like now or hereafter in effect and applicable to the Rail Corridor which relate to (a) Hazardous Substances; (b) the generation, use, storage, transportation or disposal of Hazardous Substances or solid waste; or (c) occupational safety and health, industrial hygiene, land use or the protection of human, plant or animal health, safety or welfare, and the rules, regulations and ordinances of applicable federal, state and local agencies and bureaus, as amended from time to time.

“Environmental Losses” means all charges, losses, liabilities, damages, fees, demands, claims, proceedings, investigations, actions, judgments, causes of action, disbursements, monetary settlements, assessments, fines, penalties, costs and expenses incurred in connection with any investigation, characterization, defense of claims, clean-up, remediation, disposal or repairs arising out of or relating to the release of Hazardous Substances on, in, under or around the Maintained Facilities or other areas from and after the date hereof.

“Federal Acquisition Regulation” means the Federal Acquisition Regulation contained in 48 CFR 2.101, as amended from time to time.

“Force Majeure Event” means an event due to any cause(s) beyond Contractor’s control, including, but not limited to, acts of God, fire, earthquake, flood, mud slide, washout, storm, blockage, explosion, casualty, strike, labor dispute (excluding labor disputes involving the Contractor or its Subcontractors), riot, insurrection, civil disturbance, act of civil or military authority, embargo, act of public enemy, war, delays in transportation due to a force majeure event, court order or injunction, delays caused by acts or orders of a governmental body, including changes in law or regulations. Force Majeure Events shall not include derailments unless the derailment resulted directly from one of the Force Majeure Events described in the preceding sentence.

“FRA” means the Federal Railroad Administration.

“FRWS” means the FRA Railroad Workplace Safety standards contained in 49 CFR 214.

“**FTSS**” means the FRA Track Safety Standards contained in 49 CFR 213 Subparts A to F.

“**Fully Burdened Labor Rate**” means the annually negotiated hourly rates at which Contractor will bill ACTA for labor costs incurred in connection with Rail Corridor Services and/or Non-Rail Component Services performed under an Approved Maintenance Plan. Each Approved Maintenance Plan shall set forth the agreed to Fully Burdened Labor Rate for each Contractor job classification. For the first Contract Year, such rates and classifications will be those contained in the Approved Maintenance Plan effective on the Commencement Date (Exhibit 3). The Fully Burdened Labor Rate shall include the applicable hourly rate or salary (expressed as an hourly rate) subject to minimum prevailing wage requirements which the Contractor pays an employee in such job classification, all of Contractor’s markups for overhead (including fringe benefits and bonuses), profit on labor, Local Administrative and Office Support Costs, and Safety Equipment Costs. The Fully Burdened Labor Rate shall be an all-inclusive rate and Contractor shall not be permitted to charge any other amount for the labor of its employees.

“**Hazardous Substances**” means (a) any chemical, compound, material, mixture or substance that is now or hereafter defined or listed in, or otherwise classified pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, 42 U.S.C. Section 9601, *et seq.*, the Hazardous Materials Transportation Act, 40 U.S.C. Section 1801 *et seq.*, the Resource Conservation and Recovery Act of 1976, as amended, 42 U.S.C. Section 6901 *et seq.*, the California Health and Safety Code, Sections 25115-25117, 25249.5, 25249.8, 25281 and 25316, and any other applicable Environmental Laws, as a “hazardous substance”, “hazardous material”, “hazardous waste”, “extremely hazardous waste”, “acutely hazardous waste”, “radioactive waste”, “infectious waste”, “biohazardous waste”, “toxic substance”, “pollutant” “toxic pollutant”, “contaminant” and any other term or terms not mentioned herein intended to define, list, or classify substances by reason of properties such as ignitability, corrosivity, reactivity, carcinogenicity, toxicity, reproductive toxicity, “EP toxicity” or “TCLP toxicity”; (b) petroleum, natural gas, natural gas liquids, liquefied natural gas, synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas) and ash produced by a resource recovery facility utilizing a municipal solid waste stream, and drilling fluids, produced waters and other wastes associated with the exploration, development or production of crude oil, natural gas, or geothermal resources; (c) “hazardous materials” as defined in Section 2782.6(d) of the California Civil Code; (d) “waste” as defined in Section 13050(d) of the California Water Code; (e) asbestos in any form; (f) urea formaldehyde foam insulation; (g) transformers or other equipment which contain dielectric fluid containing levels of polychlorinated biphenyls (PCBs) above levels permitted by applicable law; and (h) any other chemical, material, or substance that, because of its quantity, concentration, or physical or chemical characteristics, exposure to which is limited or regulated for health and safety reasons by any governmental authority.

“**Indemnitee**” has the meaning given such term in Section 16.4.1.

“**Indemnified Entities**” has the meaning given such term in Section 16.1.

“**Indemnified Matter**” has the meaning given such term in Section 16.4.1.

“**Indemnitor**” has the meaning given such term in Section 16.4.1.

“Local Administrative and Office Support Costs” means costs of items such as office supplies, cleaning supplies, office equipment, computers and accessories, office furniture, photography equipment and accessories, cell phone service and phone accessories, telephone and internet services, postal & courier service and supplies, ice/water for the office, soda & coffee (and related supplies), food (including catering) for meetings/training sessions/holidays, marketing materials, auto cleaning supplies, gifts for safety awards, tools and personal work boots. These costs shall be included in the Fully Burdened Labor Rates.

“Losses” means liabilities, losses, actions, causes of action, penalties, demands, detriments, claims, damages, costs and judgments and all expenses incurred in connection therewith, including claims made under the Federal Employer’s Liability Act, costs of investigation, attorneys’ fees and costs, expenses or arbitration, trial or appeal, and judgments. “Losses” shall include any claim, action, judgment or similar liability incurred or made by a third party, including those relating to personal injury, death or property damage.

“M&O Charges” means the annual cost of maintaining and repairing the Maintained Facilities, including the cost of maintaining and repairing communications facilities, signals and interlockers, debris removal, repair and maintenance of rails, ties, ballast, undercutting, drainage and surfacing, but the term “M&O Charges” does not include the “Non- Rail Maintenance and Capital Improvement Charges” as defined below.

“Maintained Facilities” means all portions of the Rail Corridor, to the limits shown on the Map, including (a) the real property comprising the Rail Corridor (to the limits of Owner’s ownership of such real property) and all Trackage now or hereafter located thereon, (b) the storm water system for the Rail Corridor, including under-track drains at various locations, and including the storm water system located in the trench portion of the Rail Corridor (which portion of the storm water system is part of the Non-Rail Components), (c) the Maintenance Yard, and (d) the Non-Rail Components. The Maintained Facilities shall include the Roadway Bridge Structures. Notwithstanding anything to the contrary in this Agreement, the Maintained Facilities do not include (i) the cantilevered platform over the trench portion of the Rail Corridor on which the Drill Track is located (all of which, as of the date hereof, are maintained by UP), (ii) public streets, roadways or highways along the Rail Corridor, including curbs, gutters, sidewalks, landscaping, street lights and traffic signals, drainage and utility lines and facilities located on such public streets, roadways or highways, (iii) the surface pavement of streets on the Roadway Bridge Structures, or the curbs, gutters, sidewalks, landscaping, lighting and traffic signals, drainage, barrier walls, fence structures and fencing, and utility lines and facilities located on the Roadway Bridge Structures, (iv) any Trackage (including Drill Track) which on or after the date hereof is maintained by PHL or its successors or assigns (as indicated on the Map), (v) any Trackage beyond the limits of the Rail Corridor shown on the Map, or (vi) the track, ballast and signaling devices comprising the Drill Track; provided that, the Maintained Facilities shall include landscaping to the extent landscaping encroaches on or interferes with the use or operation of the Rail Corridor.

“Maintenance Invoices” has the meaning given such term in Section 5.6.1.

“Maintenance Standards” has the meaning given such term in Section 6.2.

“Maintenance Yard” has the meaning given such term in Section 11.7.

“Map” means the map (consisting of 25 pages) attached hereto as Exhibit 1.

“Non-Rail Components” means (i) the walls, retaining walls, embankments, barrier walls, fence structures and fencing, support structures, drainage facilities (including the two storm water pump stations shown on the Map) and emergency drop ladders (and related telephone and alarm equipment) of and for the trench portion of the Rail Corridor, (ii) the structural portions of the Washington Avenue Grade Separation bridge and the Henry Ford Avenue Grade Separation bridge, and (iii) the AEI Readers. Notwithstanding anything to the contrary in this Agreement, the Non-Rail Components do not include (i) any Trackage (including the Drill Track), (ii) the cantilevered platform over the trench portion of the Rail Corridor on which the Drill Track is located, (iii) public streets, roadways or highways along the Rail Corridor, including curbs, gutters, sidewalks, landscaping, street lights and traffic signals, drainage and utility lines and facilities located on such public streets, roadways or highways, or (iv) the surface pavement of streets on the Roadway Bridge Structures, or the curbs, gutters, sidewalks, landscaping, lighting and traffic signals, drainage, barrier walls, fence structures and fencing, and utility lines and facilities located on the Roadway Bridge Structures.

“Non-Rail Maintenance Charges” means the cost of maintaining and repairing the Non-Rail Components.

“Operating Agreement” has the meaning given such term in the Recitals.

“Owner” means, collectively, POLA and POLB.

“Request for Proposals” has the meaning given such term in Section 3.3.

“PHL” means Pacific Harbor Line, Inc., a Delaware corporation.

“Port Rail Agreements” means, collectively, (i) that certain San Pedro Bay Harbor Rail Operating Agreement dated as of December 1, 1997, by and between POLA and PHL, and (ii) that certain Long Beach Rail Operating Agreement dated as of June 1, 1998, by and between POLB and PHL, as each of such agreements has been or in the future may be extended or amended from time to time.

“Rail Corridor” means the multiple main track, high density, mainline railroad system (including the Trackage), together with the real property on which such railroad system is located, as shown on the Map, located along and parallel to Alameda Street beginning, in the north, for each Railroad, at the point that such Railroad leaves the mainline tracks or trackage rights owned or held by such Railroad (other than the Rail Corridor itself), which point, for each Railroad, is shown on the Map, and ending, in the south, at the points shown on the Map.

“Railroad” means, individually, BNSF or UP, as the context may require, and **“Railroads”** means, individually or collectively, BNSF and/or UP, as the context may require, and the assignees of the foregoing permitted pursuant to the Operating Agreement, together with

any other Class I or financially responsible and experienced regional railroad that in the future may be granted rights to use the Rail Corridor consistent with the terms of the Operating Agreement.

“Remedial Action” means Contractor’s response to conditions detected during inspections, including measures to protect the safety of Trains and the public, temporary adjustments or repairs, and permanent adjustments, corrections and/or repairs and measures specified as Remedial Action by the FTSS.

“Roadway Bridge Structures” means the structural portions of the bridges and overpasses over the trench portion of the Rail Corridor.

“Safety Equipment Costs” means the costs of safety supplies and equipment including but not limited to hard hats, reflective vests, safety glasses, and safety shoes. These costs shall be included in the Fully Burdened Labor Rates.

“Services” has the meaning given such term in Section 6.1.

“Subcontractor” means any third party hired by Contractor which is qualified to perform the work for which it is engaged, to assist or perform Contractor’s Services under this Agreement; provided, however, that no such engagement shall relieve Contractor of any of its obligations or liabilities under this Agreement.

“Trackage” means all present and future railroad related improvements, systems or equipment, and all tracks (including main line tracks, spur tracks, lead tracks, passing tracks, yard tracks and industry tracks) and other rail facilities, including rails and fastenings, switches, frogs, bumpers, ties, ballast, signaling devices and systems, interlocking devices and plants, crossing warning devices, crossing surfaces, pole lines and communication facilities and equipment (including the fiber optic communications line installed in and along the Rail Corridor for purposes relating to the Rail Corridor, but excluding the AEI Readers), and all track support structures and related facilities (including roadbed, embankments, bridges, dikes, pavement, culverts, tunnels, drainage systems, and maintenance, access and service roads).

“Train” means one or more freight trains, locomotives, cabooses, railroad cars, track and maintenance equipment, track inspection equipment, and all other rail-related machines and equipment.

“Vacant Position” has the meaning given such term in Section 5.8.

1.2 References. All references made (i) in the neuter, masculine or feminine gender shall be deemed to have been made in all such genders, and (ii) in the singular or plural shall be deemed to have been made, respectively, in the plural or singular as well. All references to Sections and subsections are to Sections and subsections of this Agreement unless indicated otherwise. The words “herein”, “hereof”, “hereunder” and other similar compounds of the word “here” when used in this Agreement shall refer to this entire Agreement and not to any particular provision or section unless specifically indicated otherwise. The terms “include” or “including” do not limit the preceding words or terms.

ARTICLE 2 ENGAGEMENT OF CONTRACTOR; USE OF RAIL CORRIDOR

2.1 Engagement of Contractor; Changes in Scope of Services. On and subject to the terms and conditions of this Agreement, ACTA hereby engages Contractor to perform the Services specified in this Agreement with respect to the Maintained Facilities. Contractor accepts such engagement, acknowledges that it has inspected and reviewed the Services to be provided under this Agreement, and shall exercise the care and skill expected of an experienced practitioner in its profession in the prompt performance of all its obligations under this Agreement. The foregoing engagement is non-exclusive and, as between ACTA and Contractor, ACTA may in its sole discretion augment or supplement the Services to be provided under this Agreement with forces of another contractor. Further, notwithstanding anything to the contrary in this Agreement (including Section 5.7 and Article 7) and, from time to time during the term of this Agreement, ACTA may elect, in its sole discretion, by providing thirty (30) days' prior written notice to Contractor (except that in an emergency, ACTA shall be required to give only such notice as may be feasible under the circumstances) to cause certain Services to be provided by the forces of another contractor (e.g., if ACTA determines that the Contractor's proposed cost of certain Services, as set forth in a proposed annual maintenance plan and budget, or otherwise, is more expensive than the cost for such Services that would be charged by another entity, ACTA may elect to have such Services provided by an entity other than Contractor). In any case where work in or on the Maintained Facilities is to be conducted by another entity, Contractor shall cooperate fully with such other entity.

2.1.1 In the event that ACTA elects to have such Services performed by another entity as described above, other than on a temporary basis (i.e., Services performed over a period of one hundred eighty (180) days or less), ACTA shall notify the Contractor in writing pursuant to Article 21 and Contractor shall submit to ACTA (no later than ten (10) days' following notice to Contractor), a proposed termination statement which shall include (1) all amounts owed to Contractor or any Subcontractor for those Services performed through the proposed termination date; (2) termination payments, if any, contractually owed by Contractor to Subcontractors and/or vendors as a direct result of the termination of such Services; provided, however, that (i) ACTA previously authorized and directed Contractor to perform such Services, and (ii) such termination payments, if any, are a reasonable approximation of the damages incurred by Subcontractors and/or vendors as a direct result of the termination of such Services; and (3) reasonable costs incurred by Contractor to comply with ACTA's written directions in connection with the transfer of Services, including reasonable demobilization costs, if any. Contractor shall provide ACTA with supporting documentation as requested by ACTA, including but not limited to copies of contracts, invoices, receipts and other documents. Notwithstanding the foregoing, in no event shall ACTA be obligated to pay for lost profits or other consequential damages resulting from any such termination.

2.1.2 In the event that ACTA elects to proceed to have such Services performed by another entity, then (a) ACTA and Contractor may agree to equitably adjust, as necessary, pursuant to a CTO as provided in Section 5.9, the Approved Maintenance Plan to account for any anticipated decrease in Contractor's time and costs of performance, and (b) ACTA shall pay the termination statement described in Section 2.1.1 in accordance with and subject to

the provisions of Section 5.6. Notwithstanding the foregoing, Contractor shall have a duty to mitigate Contractor's losses that arise from ACTA's termination of such Services.

2.2 Use of Rail Corridor. Contractor and its Subcontractor are hereby authorized to use the Rail Corridor for the term of this Agreement to the extent necessary to perform the Services hereunder, and for no other purpose. Contractor hereby is granted a license to enter the Rail Corridor to perform the Services described in this Agreement on the terms and conditions contained herein; such engagement, however, does not, and shall not be construed to, give or grant Contractor any right, title or interest of any kind or character in or to the Rail Corridor or any portion thereof or interest therein, or in or to any other property of POLA, POLB, ACTA, BNSF and/or UP, and Contractor specifically acknowledges that it has no leasehold, easement or other interest in any of such real or personal property. Contractor shall have no right to grant, convey, enter into, modify, extend or renew leases, licenses, easements or conveyances of all or any portion of the Rail Corridor, or any right or interest therein.

2.3 Use by POLA, POLB, ACTA, BNSF and/or UP. POLA, POLB, ACTA, BNSF and/or UP may use or grant additional rights to third parties in and to all or any portion of the Rail Corridor in such manner as each such entity deems appropriate, consistent with and subject to the terms and conditions of the Operating Agreement, so long as such rights and the actual use of the Rail Corridor by such entities or by others duly authorized by such entities do not materially interfere with Contractor's ability to perform the Services hereunder.

2.4 Additions to, Modifications of and Removal of Facilities by POLA, POLB, ACTA, BNSF and/or UP.

2.4.1 Additions. Subject to Section 8.4, any of ACTA, POLA, POLB, BNSF and/or UP, each acting in its sole discretion and consistent with and subject to the terms and conditions of the Operating Agreement, at any time may construct new track and other rail facilities in and on the Rail Corridor and designate such new track and other rail facilities as Maintained Facilities. Where reasonably practicable, ACTA shall consult with Contractor prior to the commencement of construction of any such addition or modification to the Rail Corridor or Non-Rail Components if such construction foreseeably would interfere with Contractor's ability to perform the Services hereunder or risk safety of any of Contractor's employees or Subcontractors. When such addition or modification is completed and any necessary regulatory approvals or exemptions have been obtained, such addition or modification may be designated by ACTA as part of the Maintained Facilities. Unless ACTA designates a different maintenance standard, the maintenance standard for new facilities or additions or modifications made to the Maintained Facilities under this Agreement shall be the Maintenance Standards, as set forth in Section 6.2.

2.4.2 Removals. As between ACTA and Contractor, and subject to ACTA, POLA, POLB, BNSF and/or UP obtaining any necessary regulatory approvals or exemptions, ACTA may remove (or cause to be removed) any portion of the Maintained Facilities from service, either temporarily or permanently, upon thirty (30) days' prior written notice to the Contractor (except that in an emergency, ACTA shall be required to give only such notice as may be feasible under the circumstances). In the event that the removal of any Maintained Facilities adversely affects Contractor's overall rights or obligations hereunder, then Contractor may submit to ACTA

(no later than ten (10) days' following notice to Contractor) a proposed termination statement pertaining only to that portion of the Maintained Facilities at issue, which shall include (1) all amounts owed to Contractor or any Subcontractor for those Services performed with respect to the removed Maintained Facilities through the proposed removal date; (2) termination payments, if any, contractually owed by Contractor to Subcontractors and/or vendors as a direct result of the removal of such Maintained Facilities; provided, however, that (i) ACTA previously authorized and directed Contractor to perform Services with respect to the removed Maintained Facilities, and (ii) such termination payments, if any, are a reasonable approximation of the damages incurred by Subcontractors and/or vendors as a direct result of the removal of such Maintained Facilities; and (3) reasonable costs incurred by Contractor to comply with ACTA's written directions in connection with the removal of such Maintained Facilities from Service, including demobilization costs, if any. Contractor shall provide ACTA with supporting documentation as requested by ACTA, including but not limited to copies of contracts, invoices, receipts and other documents. Notwithstanding the foregoing, in no event shall ACTA be obligated to pay for lost profits or other consequential damages resulting from any such termination. In the event that ACTA elects to proceed with the removal of such Maintained Facilities, then ACTA shall pay such termination statement in accordance with and subject to the provisions of Section 5.6. Notwithstanding the foregoing, Contractor shall have a duty to mitigate Contractor's losses that arise from ACTA's removal of any portion of the Maintained Facilities.

2.4.3 Adjustment to Approved Maintenance Plan. In the event of any additions to, modifications of, and/or removal of Maintained Facilities as described in Section 2.4, the Approved Maintenance Plan may be equitably adjusted, as necessary, pursuant to a CTO as provided in Section 5.9, to reflect any such additions to, modifications of, and/or removal of Maintained Facilities and any corresponding anticipated increase (or decrease, as the case may be) in Contractor's time and costs of performance. For purposes of Section 2.4, any removal or deletion from service of a portion of the Maintained Facilities for less than 90 days shall not be considered a "removal" requiring an adjustment to the Approved Maintenance Plan.

2.5 No Changes to Maintained Facilities by Contractor. Contractor shall not take out of service, embargo, make change to or remove any of the Maintained Facilities (other than temporarily in the course of its maintenance and repair activities, in an emergency or as a result of a hazardous condition) without the prior written approval of ACTA, which approval may be given or withheld in the sole discretion of ACTA.

ARTICLE 3 AS-IS; WARRANTY DISCLAIMER; CONSTRUCTION WARRANTIES

3.1 Acknowledgement Regarding Investigations. Contractor acknowledges that prior to its execution of this Agreement, Contractor had the opportunity to investigate and determine (a) the physical aspects and condition of all portions of the Maintained Facilities, (b) past and present rail operations on the Maintained Facilities, and (c) such other matters as Contractor deemed relevant to analyze the proposed transaction, to discover any risks and to determine whether the transaction is economically viable for Contractor. Without limiting the generality of the foregoing, if ACTA and/or the Railroads notify Contractor that any geometry car

or other rail or facility inspections of the Rail Corridor will be conducted after the date hereof and prior to the Commencement Date, Contractor shall cause Contractor's personnel (appropriately trained for such inspections) to accompany ACTA's and/or the Railroads' personnel on such inspections, and Contractor shall promptly notify ACTA in writing if such inspections disclose any condition that Contractor believes will negatively affect Contractor's ability to perform the Services under this Agreement. Contractor's investigations have included, among other things, meetings with Owner, ACTA and the Railroads. Contractor further acknowledges that (i) Contractor has received and reviewed a copy of the Operating Agreement and the Port Rail Agreements, (ii) Contractor's entry into this Agreement is based solely on the results of its own investigations and examinations, or its election not to investigate some or all of such matters as may be relevant, and not on any representation, warranty, promise or statement by Owner, ACTA, either Railroad or any representative, employee or agent thereof (other than those expressly provided in this Agreement), and (iii) none of ACTA, Owner or either Railroad, or the employees, representatives or agents of any of them, has made any representation, warranty, promise or statement, express or implied, to Contractor, or to anyone acting for or on behalf of Contractor, concerning or regarding such matters.

3.2 Acceptance of Rail Corridor and Maintained Facilities As-Is. Subject to Section 16.3, Contractor hereby enters into this Agreement and accepts the Maintained Facilities in THEIR AS-IS CONDITION AND IN THEIR AS-IS STATE OF REPAIR ON THE DATE OF THIS AGREEMENT. Contractor hereby waives, and ACTA hereby disclaims, all warranties of any type or kind whatsoever with respect to the Maintained Facilities, or any component thereof, including those of fitness for a particular purpose or use.

3.2.1 Notwithstanding the foregoing, it is agreed that if Contractor encounters unforeseen latent defects of an unknown and concealed nature that (i) could not or should not have been discovered or anticipated by Contractor after the exercise of due diligence in inspecting the Maintained Facilities ("**Latent Defects**"), and (ii) such Latent Defects increase Contractor's cost of performance of Services beyond any budgeted contingencies for the relevant period, as its sole remedy Contractor may submit a request for a CTO to equitably increase the Approved Maintenance Plan to the extent made necessary by the Latent Defect(s) encountered. For purposes of this Agreement, Latent Defects shall not include, among other things, conditions arising in the ordinary course as a result of ordinary wear and tear of the Maintained Facilities.

3.3 No Representations or Warranties Regarding Materials or Documents. Contractor acknowledges that the delivery of materials and documents (including the Request for Proposals for Alameda Corridor Maintenance Services dated August 9 , 2017 and the related appendices and addenda thereto (the "**Request for Proposals**") to Contractor by or on behalf of ACTA has been made solely to facilitate Contractor's investigations relating to this transaction, and none of ACTA, POLA, POLB, BNSF or UP make any representations or warranties of any kind regarding the completeness, accuracy or thoroughness of the information contained in such materials and documents.

ARTICLE 4 COMMENCEMENT DATE; TERM

4.1 Commencement Date and Term. The term of this Agreement, and Contractor's duties hereunder, shall commence on [REDACTED], 2019 (the "**Commencement Date**"). Unless it is terminated earlier in accordance with any provision entitling a party to terminate this Agreement, this Agreement shall terminate at 11:59 p.m. Los Angeles time on April 14, 2024. However, if a replacement maintenance contractor for the Maintained Facilities has not been selected on or before April 14, 2024, or if the replacement maintenance contractor has been selected but is not prepared to commence maintenance services as of April 15, 2024, then Contractor shall continue to perform the Services on the terms set forth in this Agreement until the earlier of (i) April 14, 2025, or (ii) the termination date set forth in a written notice from ACTA to Contractor once a replacement maintenance contractor has been selected in accordance with the provisions of the Operating Agreement and Contractor has completed all remaining Services directed by ACTA. Notwithstanding anything to the contrary contained herein, ACTA, in accordance with the provisions of the Operating Agreement, shall have the right to extend the term of this Agreement with Contractor for an additional term of five (5) years terminating at 11:59 p.m. Los Angeles time on April 14, 2029, by providing Contractor with written notice of such election at least ninety (90) days prior to the expiration of the initial term.

ARTICLE 5 APPROVED MAINTENANCE PLAN; MAINTENANCE INVOICES

5.1 Annual Maintenance Budget. No later than September 1 of each Contract Year, Contractor shall provide to ACTA, POLA, POLB, BNSF and UP proposed maintenance plans and budgets for the Maintained Facilities for the next succeeding Contract Year. However, since the last Contract Year ends April 14, 2024, the plans and budgets that are submitted in the preceding year should be prepared for the entire calendar year through December 31, 2024. The plans and budgets shall be substantially in the form contained in Exhibit 3 hereto and shall include all items necessary for Contractor to comply with the maintenance requirements and standards established under this Agreement for the Maintained Facilities (the "**Annual Maintenance Budget**"). The Annual Maintenance Budget shall be developed in good faith between Contractor and ACTA and shall include the following items:

- (a) A written Work Plan and monthly schedule containing all the routine and special work items to be performed, including assumptions used in developing such Annual Maintenance Budget;
- (b) Separate subplans and subbudgets for each of the categories of charges and expense: (i) M&O Charges, (ii) Capital Improvements Charges, (iii) Non-Rail Maintenance Charges, and (iv) ACTA AEI Reader maintenance charges;
- (c) Estimates of all amounts to be paid by ACTA for direct labor and staffing (including the supporting information for negotiation of the Fully Burdened Labor Rate associated with each job classification appearing in the plan);

- (d) Estimates of all amounts to be paid by ACTA for Direct Costs (based on agreed-upon standard rates and unit prices for materials, equipment, rentals and other anticipated Direct Costs);
- (e) Estimates of all Services to be subcontracted, including a list of all Subcontractors that Contractor intends to engage during the applicable Contract Year;
- (f) Estimates of all amounts to be paid by ACTA relating to safety plans, security, employee training and associated costs; and
- (g) All assumptions used in developing such Annual Maintenance Budget.

5.2 Review and Approval of Proposed Maintenance Plans. Within 30 days after receipt of Contractor's proposed Annual Maintenance Budget for the Maintained Facilities under Section 5.1, POLA, POLB, BNSF and UP shall approve or disapprove such plan and budget through Mutual Agreement in accordance with the provisions of Section 8.3 of the Operating Agreement. Upon approval of the proposed Annual Maintenance Budget, the proposed Annual Maintenance Budget shall become the Approved Maintenance Plan for the applicable Contract Year. If the proposed Annual Maintenance Budget is not approved, then the parties disapproving the proposed Annual Maintenance Budget shall provide to the Contractor detailed reasons for such disapproval, whereupon Contractor within 15 days after its receipt of notice of such disapproval, shall deliver to ACTA, POLA, POLB, BNSF and UP a revised Annual Maintenance Budget which shall reflect the comments (if any) made to the original proposed Annual Maintenance Budget. The process described in the preceding two sentences shall continue until a revised Annual Maintenance Budget is approved. If a proposed Annual Maintenance Budget for a Contract Year has not been approved by January 1 of such year, then to reduce any disruption to maintenance and operations on the Maintained Facilities, the prior Contract Year's Approved Maintenance Plan shall apply to the maximum extent practicable or necessary and Contractor shall provide the Services in accordance therewith and ACTA shall pay Maintenance Invoices in accordance herewith, until an Annual Maintenance Budget is approved.

5.2.1 The Annual Maintenance Plan may be amended from time to time during the Contract Year through Mutual Agreement of the Owners and Railroads in which case Contractor shall receive a notice from ACTA pursuant to Article 21. Such amendments will occur when:

- (a) ACTA requests the Contractor to add items or modify existing items contained in the Approved Maintenance Plan using authorized contingency funds approved by the Owner and Railroads for each calendar year; or
- (b) ACTA requests the Contractor to add items or modify existing items contained in the Approved Maintenance Plan pursuant to Mutual Agreement of the Owner and Railroads during the calendar year.

5.2.2 The Annual Maintenance Plan for the first Contract Year shall be that contained in Exhibit 3, which includes the negotiated Fully Burdened Rates for the first Contract Year.

5.3 Plan Dispute. If ACTA changes Contractor's proposed budget for the Maintained Facilities for the upcoming Contract Year in the Approved Maintenance Plan without a commensurate change in Contractor's applicable responsibilities, then Contractor, within 15 days after being notified by ACTA of such changes may for reasonable cause notify ACTA in writing (a "**Deficiency Notice**") that in Contractor's reasonable judgment the approved plan will not enable Contractor to meet the standards required of Contractor under this Agreement, specifying in detail the reasons why Contractor believes deficiencies exist, and all areas where Contractor believes deficiencies exist. Contractor and ACTA promptly shall meet after delivery of the Deficiency Notice to attempt to resolve any differences. If the parties are unable to resolve their differences within 20 days after delivery of the Deficiency Notice, then either Contractor or ACTA may invoke the dispute resolution procedures specified in Article 20. Should such dispute not be resolved prior to the beginning of the applicable Contract Year, then to reduce any disruption to maintenance and operations on the Maintained Facilities, the Approved Maintenance Plan shall apply and Contractor shall provide the Services in accordance therewith and ACTA shall pay Maintenance Invoices in accordance therewith until the dispute is resolved; provided, that if the arbitrator determines that the Approved Maintenance Plan was not sufficient to meet the standards required of Contractor hereunder, Contractor shall not be deemed in default under this Agreement for failing to meet such standards if such failure resulted from deficiencies in the Approved Maintenance Plan.

5.4 Modifications to Maintenance Standards. As between Contractor and ACTA, ACTA shall have the right, in its sole discretion, consistent with and subject to the terms and conditions of the Operating Agreement, to modify the Maintenance Standards, or scope thereof, to be observed by Contractor with respect to the Services; provided, that ACTA gives thirty (30) days' prior written notice of such modifications to Contractor (except that in an emergency, ACTA shall be required to give only such notice as may be feasible under the circumstances). In such event, ACTA and Contractor may agree to equitably adjust, as necessary, pursuant to a CTO as provided in Section 5.9, the Approved Maintenance Plan to account for any anticipated increase in Contractor's time and cost of performance as a direct result of such modifications.

5.5 Not-to-Exceed Amount. In no event shall the maximum aggregate amount of Maintenance Invoices in any calendar year exceed (i) the estimated amount contained in the Approved Maintenance Plan, and (ii) additional funds, if any, paid directly by the Railroads to ACTA pursuant to the terms of the Operating Agreement and/or a separate agreement among ACTA, the Railroad(s) and the Owner, without the prior written approval of ACTA, the Owner and the Railroads.

5.6 Payments to Contractor.

5.6.1 Maintenance Invoices. As further described below, no later than the last day of each calendar month after the Commencement Date, Contractor shall submit an invoice to ACTA for the Services performed by Contractor during the prior calendar month (the "**Maintenance Invoice**"). Each Maintenance Invoice shall be payable in accordance with this Section 5.6 and shall include:

(a) A description of the Services performed for the prior calendar month, including (i) the job classification of each employee that performed during such period, (ii) the Fully Burdened Labor Rate assigned to each such job classification, and (iii) the number of hours worked by each employee during such period (or the number of hours which employee was available and present to work at the Maintained Facilities but was unable to do so for reasons beyond Contractor's control in accordance with Section 5.6.4(b); provided, however, in no event shall the total number of hours worked by any salaried employee exceed the limit described in Section 5.10);

(b) A description of the Direct Costs incurred for the prior calendar month, which Direct Costs shall either be based on the agreed-upon standard rates and unit prices contained in the Approved Maintenance Plan, or, for Direct Costs not included in the then current Approved Maintenance Plan and approved by ACTA, at the Contractor's cost plus the Allowed Markup;

(c) One-twelfth (1/12) of the Approved AAR Total Signal Costs as provided in Section 5.6.3;

(d) One invoice containing each of the following four categories of Services and Direct Costs contained in the Approved Maintenance Budget, as may be amended pursuant to Section 5.2.1; (i) M&O Charges (funded from Railroad sources), (ii) Capital Improvements Charges (funded from the Reserve Account), (iii) Non-Rail Maintenance Charges (funded from the Reserve Account), and (iv) ACTA AEI Reader maintenance charges (funded from ACTA Administration sources); and

(e) Separate individual invoices for additional work, for which a CTO has been issued pursuant to Section 5.9(f).

Each such invoice shall be in reasonable detail, shall include such supporting documentation as reasonably required by ACTA, and shall be subject to ACTA's audit rights as set forth in Section 13.3. Contractor shall attach to each such invoice signed time cards detailing the time each employee of Contractor spent performing Services under this Agreement. In the event that Contractor used subcontracting services during such period, Contractor shall also provide the information and documents required under Section 5.7 (including the invoice for subcontracting Services performed for the prior calendar month, which invoice shall be in the same form and contain the same information, as may be applicable, as required under this Section 5.6.1).

5.6.2 Payment of Invoices. Subject to Contractor's compliance with the requirements contained in this Section 5.6, payment of the amount shown on each such Maintenance Invoice shall be made within 30 days after ACTA's receipt of a complete and undisputed invoice (i.e. an invoice free of error and containing sufficient validation of charges). Within 15 days of receipt of the invoice, ACTA shall notify the contractor of any invoice irregularities, which ACTA and the Contractor shall work to resolve as soon as possible to mutual satisfaction. After resolution, full payment of the resolved invoice shall be made within 30 days thereafter. If by mutual consent the invoice cannot be resolved, the undisputed portion of the invoice will be paid within 22 days of such agreement, and the disputed portion shall be later resolved or move through the dispute resolution procedures set forth in Article 20.

5.6.3 Approved AAR Unit Signal Costs. The Approved AAR Unit Signal Costs shall be set forth in the Approved Maintenance Plan and shall constitute the basis for paying Contractor for signal and communications maintenance work performed during each Contract Year. Contractor shall include in each monthly Maintenance Invoice one-twelfth of the Approved AAR Total Signal Costs as set forth in the Approved Maintenance Plan.

5.6.4 ACTA's Payment Obligation. (a) Except as provided in Section 5.6.3 and Section 5.6.4(b), Contractor shall invoice ACTA for, and ACTA shall be obligated to pay Contractor for, only those Services actually performed by Contractor or Subcontractor. ACTA and Contractor each acknowledge and agree that this Agreement is not a "fixed price contract" and ACTA is obligated to pay only for those Services actually performed by Contractor or Subcontractor. In addition, unless otherwise approved in writing by ACTA (pursuant to a CTO or otherwise), ACTA shall have no obligation to pay Contractor or any Subcontractor for any Services or Direct Costs that exceed the estimated amount contained in the Approved Maintenance Plan or for which Contractor fails to provide the supporting documentation required under Section 5.6.1. ACTA shall not be obligated to pay Contractor for any Services or Direct Costs performed or incurred by a Subcontractor for which Contractor has not satisfied the requirements contained in Section 5.7.

(b) Notwithstanding the foregoing, but only in the limited circumstances described below, Contractor may invoice ACTA for, and ACTA shall be obligated to pay Contractor for, Contractor's employee(s) and/or Subcontractor(s) that were available and present to work at the Maintained Facilities but were unable to do so for reasons solely attributable to the acts or omissions of ACTA, POLA, POLB and/or the Railroads (excluding Force Majeure Events), and such an event could not have been anticipated by Contractor or such Subcontractors. In no event, however, shall ACTA be obligated to pay more than 200 total hours of such down time in any calendar month. ACTA's obligation to pay such amounts shall be subject to Contractor's compliance with the requirements contained in Section 5.6. Notwithstanding the foregoing, if such a situation occurs, Contractor will promptly take steps to minimize the costs resulting from such situation, including, without limitation, performing work at another location, where possible.

5.6.5 Direct Costs. All materials, supplies, equipment, vendor services, subcontracting services and such other direct costs as defined in the Federal Acquisition Regulation (collectively, "**Direct Costs**") purchased or provided by Contractor to perform the Services under this Agreement, with the exception of costs included in Local Administrative and Office Support Costs and Safety Equipment Costs, shall be charged to ACTA at either the agreed-upon rates and unit prices contained in the Approved Maintenance Plan, or, for Direct Costs not included in the then current Approved Maintenance Plan and approved by ACTA, at the Contractor's cost plus the Allowed Markup; provided, however, that the Allowed Markup shall not apply to Services performed under this Agreement by an Affiliate of Contractor.

5.7 Subcontractors. Contractor shall be permitted to hire one or more Subcontractors with respect to the performance of the Services to be provided by Contractor hereunder, provided that the requirements contained in this Section 5.7 and elsewhere in this Agreement are satisfied.

5.7.1 Payments to Subcontractors. Each Subcontractor shall be paid by Contractor according to the rate established in the contract between Contractor and Subcontractor, provided that the following requirements are satisfied:

(a) Contractor shall deliver to ACTA (as part of the monthly Maintenance Invoice pursuant to Section 5.6.1), (1) an itemized list of all Services actually performed by Subcontractor in the prior calendar month; (2) a copy of the invoice prepared by Subcontractor with respect to such Services; (3) a copy of the certification or affidavit prepared by Subcontractor stating that the work has been performed and completed by Subcontractor and no lien, attachment or claim with respect to the Maintained Facilities has been filed that has not been released or will not be released simultaneously with the payment to Subcontractor; and (4) such additional supporting documentation as reasonably required by ACTA. With respect to Subcontractors that are paid based on hourly rates, the itemized list required under clause (1) above shall also include the job classification of each worker, the rate assigned to each such job classification, and the number of hours worked by each worker.

(b) In the event that Services are transferred to a Subcontractor that were to be performed by the Contractor under the Approved Maintenance Plan, then no Allowed Markup shall apply unless otherwise approved by ACTA.

(c) Except as provided in Section 5.6.4(b), in no event shall ACTA be obligated to pay for Services not actually performed by Subcontractor. In addition, unless otherwise approved in writing by ACTA (pursuant to a CTO or otherwise), ACTA shall have no obligation to pay Contractor for any Services performed or Direct Costs incurred by a Subcontractor that exceed the estimated amount contained in the Approved Maintenance Plan or for which Contractor fails to provide the supporting documentation required under Section 5.6.1.

5.7.2 Records Regarding Subcontractors. Contractor's records and books detailing work performed by a Subcontractor shall be in reasonable detail, shall include such supporting documentation as ACTA reasonably may request, and shall be subject to ACTA's audit rights as set forth in Section 13.3.

5.7.3 Contracts with Subcontractors. Contractor shall obtain the written approval of ACTA prior to entering into any contract (or at any time during the term of the contract) in which the aggregate annual amount payable exceeds Twenty Five Thousand Dollars (\$25,000). Contractor shall provide ACTA with a copy of each such contract (and any amendments thereto). Contractor shall include in each contract with a Subcontractor a provision which entitles ACTA to audit Subcontractor's records and books, and shall require that Subcontractor's records and books (i) describe in reasonable detail the Services performed by Subcontractor, including any Direct Costs incurred, (ii) include such supporting documentation as ACTA reasonably may require, and (iii) be subject to ACTA's audit rights as set forth in Section 13.3. Contractor shall require Subcontractor to retain such books and records for a period of not less than three (3) calendar years after the termination of this Agreement. In addition, to the extent permitted by law, Contractor shall include in each subcontract the stipulation that Contractor, not ACTA, Owner or Railroads, is solely responsible for payment to the Subcontractor for the amounts owing and that

the Subcontractor shall have no claim, and shall take no action against ACTA or any of the other Indemnified Entities for nonpayment by Contractor.

5.7.4 Prohibition Against Sub/Sub Subcontracting. Contractor shall include in each contract with a Subcontractor a provision which prohibits any Subcontractor of a Subcontractor from subcontracting any Services under this Agreement (i.e., any sub-sub-Subcontracting is prohibited) unless otherwise agreed to in writing by ACTA.

5.8 Vacant Positions. A position listed in the Annual Maintenance Budget that is no longer occupied by an employee of Contractor or by a Subcontractor for all or some of a monthly invoice period is a vacant position (“**Vacant Position**”). Any Vacant Position shall be listed by Contractor as a line item on Contractor’s next Maintenance Invoice delivered to ACTA, along with a notation regarding the time period within the monthly invoice period for which the position is vacant. Contractor shall not invoice, nor shall ACTA be obligated to pay, for any Vacant Position.

5.9 CTOs. Contractor shall submit to ACTA or ACTA shall submit to the Contractor a proposed CTO in accordance with the procedures contained in this Section 5.9, in the event that one or more of the following should occur:

- (a) An addition to, modification of and/or removal of Maintained Facilities as described in Section 2.4;
- (b) Contractor encounters Latent Defects at the Maintained Facilities of the type described in Section 3.2;
- (c) ACTA determines to modify the Maintenance Standards as described in Section 5.4;
- (d) A delay or failure by ACTA, Owner, BNSF and/or UP results in material delay or failure by Contractor to perform Services hereunder, or otherwise materially adversely affects Contractor’s rights or obligations hereunder;
- (e) ACTA requests the Contractor to perform emergency work; or
- (f) ACTA requests the Contractor to perform other additional services to support ACTA’s capital program or third-party work such as by utility owners on or adjacent to the Rail Corridor (e.g., flagging and inspection services).

The CTO request shall include (i) the scope of the increased (or decreased, if applicable) Services (ii) the schedule for performing and completing the Services, if applicable, (iii) an estimate of the increased (or decreased, if applicable) labor and Direct Costs required to perform the Services (including necessary headcount and the Fully Burdened Labor Rate attributable to each job classification), (iv) the Contractor’s Allowed Markup, if applicable, and (v) a maximum guaranteed amount agreed upon by Contractor and ACTA to be paid for such Services, if applicable. The CTO shall utilize the Fully Burdened Labor Rate and other standard unit costs and prices used in the then-effective Approved Maintenance Plan and any new job classifications and associated new or modified Fully Burden Rate. ACTA shall review, revise if

necessary in its reasonable judgment, and approve in writing the CTO (or the revised CTO, if applicable); provided that prior to any such approval, ACTA where applicable shall first obtain the prior written approval of Owner and the Ports pursuant to Section 8.3 of the Operating Agreement. If ACTA approves in writing such CTO (or a revised CTO), then both Contractor and ACTA must sign the approved CTO before Contractor may, or is required to, begin any such Service. Until the completion of any such Service, Contractor shall submit a status report along with the monthly invoice described in Section 5.6.1 indicating the percentage of the total work that has been performed during such monthly invoice period. Upon completion of this process, the Approved Maintenance Plan shall be considered amended to reflect the increased (or decreased, if applicable) Services and estimated increase (or decrease, if applicable) costs set forth in the approved CTO.

If Contractor believes additional compensation is due for Services or Direct Costs not covered in the Approved Maintenance Plan, Contractor shall not be obligated to proceed until a CTO has been executed by both parties. In no event shall ACTA be prohibited from employing contractors other than Contractor to perform any such Service.

5.10 Fully Burdened Labor Rate. The Fully Burdened Labor Rate attributable to each of Contractor's employee job classifications which will be allocated, in whole or in part, to perform Rail Corridor Services and/or Non-Rail Component Services must be specified in the Approved Maintenance Plan.

5.10.1 The Approved Maintenance Plan, in the course of identifying all job classifications allocated to provide Services under said plan and the applicable Fully Burdened Labor Rate, will also identify whether each job classification is compensated on an exempt salaried or non-exempt hourly basis. For exempt salaried job classifications, the Approved Maintenance Plan will further indicate whether one hundred percent (100%) of the individual's time is expected to be spent providing Services under said plan, and if not, the best estimate of the percentage of his or her time the individual will spend providing Services pursuant to the Approved Maintenance Plan. This estimate of time to be worked compared to actual time worked and other relevant conditions will be subject to audit by ACTA. Unless otherwise agreed to in writing by ACTA, in no event shall Contractor invoice ACTA for, nor shall ACTA be obligated to pay, more than forty (40) hours per week for any exempt salaried job classification.

5.10.2 In addition, except in the case of emergencies, planned overtime for non-exempt job classifications shall be approved in advance by ACTA in writing. In the case of non-exempt employees performing work for another client on the same day or the same week, approval from ACTA must be obtained in writing to charge ACTA for overtime that is caused by this dual use.

5.10.3 It is Contractor's obligation to provide adequate employee coverage to staff the job classifications listed in the Approved Maintenance Plan, and, except as provided in Section 5.6.4(b), Contractor may only invoice ACTA (i) for the Fully Burdened Labor Rate attributable to job classifications as identified in the Approved Maintenance Plan and (ii) to the extent work was actually performed.

ARTICLE 6
MAINTENANCE OF THE MAINTAINED FACILITIES

6.1 Contractor's Obligation to Provide the Services. During the Term, Contractor shall provide all of the maintenance, inspection, repair, replacement, graffiti removal and other services with respect to the Maintained Facilities described in this Agreement, including, without limitation, the services more specifically described in Section 3.0 (Scope of Services) of Exhibit 7 attached hereto, performed to assure continued reliable and safe operation of the Maintained Facilities (collectively, the “Services”).

6.1.1 Without limiting the generality of the foregoing, the Services shall include the following:

(a) Preventative maintenance of the Maintained Facilities in a manner that preserves the economic life of the property and guards against excessive wear, tear, erosion or damage.

(b) The prompt removal or painting over of any graffiti on the Maintained Facilities, repairing of any damage to the Maintained Facilities caused by vandals, and removal from the Maintained Facilities and proper disposal of all trash and debris. The Approved Maintenance Plan shall set forth a schedule for inspection, repair and removal activities relating to graffiti, vandalism and debris. In addition to promptly removing or painting over graffiti in the normal course of providing the Services, Contractor shall remove or paint over any graffiti on the Maintained Facilities promptly after receiving a request from ACTA.

(c) The planning, purchasing, storage, distribution and control of all materials required to perform the Services under this Agreement. All materials and equipment purchased by Contractor pursuant to this Agreement for the provision of the Services shall be used solely for the purpose of providing the Services (for purposes of this subparagraph, material and equipment do not include items owned by Contractor the use of which is billed to ACTA at the agreed rates in the Approved Maintenance Plan). The Approved Maintenance Plan shall set forth agreed-upon procedures for purchasing materials for the applicable Contract Year and the amounts budgeted therefor, as well as procedures for storing, tracking and managing such materials (which procedures shall be subject to audit by ACTA, Owner and Railroads, or an agent of each such party, and shall remain available for audit by ACTA, Owner and Railroads during the term of this Agreement and for a period of not less than three (3) calendar years after the termination of this Agreement. Without limiting the generality of the foregoing, Contractor acknowledges that ACTA previously has purchased, and has delivered to Contractor the materials and equipment described in Schedule 1 attached hereto (which Schedule, if not finalized prior to the execution of this Agreement, shall be delivered by ACTA to Contractor as soon thereafter as possible, and upon delivery by ACTA such Schedule shall be deemed incorporated into this Agreement without the necessity of executing any further instruments). All of such material and equipment, and all material and equipment purchased by Contractor during the term of this Agreement at ACTA's expense, shall be stored and controlled by

Contractor in a manner that ensures the security and safety thereof, and Contractor shall be solely responsible, at its cost, for any theft, loss or damage of any kind to such material while it is in the possession or under the control of Contractor. To the extent Contractor is required to install materials or use equipment provided by ACTA, in the absence of a reasonably apparent defect, such materials and equipment shall be considered acceptable for the purpose intended. If the Contractor discovers reasonably apparent defects in the material or equipment furnished by ACTA, the Contractor shall promptly notify ACTA in writing. After such discovery, the Contractor shall proceed with Work involving such materials and equipment unless otherwise instructed in writing by ACTA. Contractor's failure to provide written notice of reasonably apparent defects in material or equipment shall constitute acceptance of such materials and equipment as fit for incorporation into the Work. Contractor shall not be liable for any damages or delays resulting from defects in materials and equipment provided by ACTA that were reasonably apparent, nor will Contractor be liable for damages or delays resulting from defects that were reasonably apparent of which Contractor promptly notified ACTA. Upon the expiration or earlier termination of this Agreement, Contractor shall (i) provide a detailed written accounting of all such material and equipment previously received from ACTA or purchased at ACTA's expense, (ii) promptly turn over or deliver to ACTA (or as directed by ACTA) all such material not previously installed on or in the Maintained Facilities or otherwise disposed of in accordance with the provisions of this Agreement, and (iii) with respect to any such material and equipment unaccounted for under the preceding clause (ii), pay to ACTA an amount equal to the cost incurred to acquire such material and equipment.

(d) Contractor shall maintain an accurate inventory of all material, supplies and equipment purchased under this Agreement and provide to ACTA a copy thereof each year. Such annual inventory shall be subject to ACTA's audit rights set forth in Section 13.3. Contractor shall use bar codes, labels or other appropriate identification mechanism to identify and physically label ACTA's equipment. Furthermore, Contractor shall not commingle its equipment, supplies or materials with those belonging to ACTA.

(e) In the event of any emergency, (i) Contractor shall promptly notify ACTA and the Railroads of such emergency, and (ii) Contractor shall respond with all resources needed to restore safe operating conditions and restore regular railroad service, consistent with other maintenance and safety obligations and consistent with good industry practice. Contractor shall cooperate fully with any investigation regarding an emergency situation. In any emergency, Contractor's employees shall provide any assistance requested in a manner that is not in conflict with rail service on the Rail Corridor and Contractor's obligations under this Agreement. Without limiting the generality of the foregoing, if Contractor at any time has taken any Trackage or other Maintained Facilities out of service in order to conduct the Services, and an event then occurs which causes or results in other Trackage or Maintained Facilities becoming blocked or fouled or otherwise being taken out of service, then at ACTA's request, Contractor shall take such steps as necessary to return to service, as promptly as reasonably possible, the Trackage or other Maintained Facilities on which Contractor had been conducting such Services.

6.2 Maintenance Standards.

6.2.1 All Services with respect to the Maintained Facilities will be made in a good and workmanlike manner, consistent with industry practice, and, in the case of replacements, will be made using materials of a kind and quality comparable to the items being replaced, which materials must be in compliance with all applicable laws (including building codes). Each of ACTA, Owner, BNSF and UP shall have the right, without obligation, to inspect the Maintained Facilities at any time to ensure compliance with this Section 6.2 and for any other purpose incidental to the rights of ACTA under this Agreement. Contractor shall maintain the Maintained Facilities (a) in a manner that does not impair the ability of ACTA, Owner or the Railroads to have access to and over and to operate on the Maintained Facilities, and which is designed to protect the safety of the public and preserve the economic life of the Maintained Facilities, (b) in accordance with the UP Track and Signal Standards set forth in Exhibit 7-Appendix F attached hereto, the Bridge Management Plan developed by the Contractor, and all applicable FRA, federal, state and local laws, rules and regulations (including the FTSS and FRWS), (c) in FRA Class 4 condition (except as noted in Exhibit 7-Appendix F attached hereto or unless otherwise agreed by ACTA in writing), and (d) in accordance with the applicable Approved Maintenance Plan.

6.2.2 From time to time ACTA (consistent with and subject to the terms and conditions of the Operating Agreement) may notify Contractor of proposed modifications to the Maintenance Standards to be observed by Contractor on the Maintained Facilities and, may adopt such modifications. Contractor also may propose modifications to such Maintenance Standards for consideration by ACTA. In the event that any modifications are adopted by ACTA, then the provisions of Section 5.4 shall apply.

6.3 Excess or Salvage Material. Contractor shall have the right to propose to ACTA that it would like to reuse at other locations on the Maintained Facilities any excess or second-hand material removed by Contractor in connection with replacement or repairs on the Maintained Facilities. ACTA, in its sole discretion, shall approve in writing or disapprove any such proposal within twenty (20) days after its receipt thereof. If ACTA does not approve in writing Contractor's proposed reuse of such excess or second-hand materials within such twenty-day (20) period, or if for any reason such excess or second-hand material is not reused by Contractor, then, subject to ACTA's prior written approval of such sale, Contractor shall sell such material removed by Contractor from the Rail Corridor. The gross proceeds from any such sale shall be remitted to ACTA for deposit in the M&O Fund. The costs incurred in removing the materials and the cost incurred in connection with the sale shall be included in Contractor's monthly Maintenance Invoice.

6.4 Inspections. None of ACTA, Owner or any Railroad shall have any responsibility for inspecting, maintaining, servicing or repairing the Maintained Facilities or any portion thereof or any other equipment or property on the Maintained Facilities.

6.4.1 Notwithstanding the foregoing, ACTA, Owner and/or the Railroads shall have the right to inspect any such property or equipment at any time for safety and/or security reasons and, in the case of a non-safety/security inspection, at any time provided that such inspection shall not materially interfere with Contractor's ability to perform the Services. Without

limiting the generality of the preceding sentence, if ACTA, Owner and/or the Railroads notify Contractor that any geometry car or other rail or facility inspections of the Rail Corridor will be conducted after the Commencement Date, Contractor shall support and assist in such inspections through flag protection, on board observation by Contractor's personnel (appropriately trained for such inspections), review of test results and analysis of data. Further, if any such inspections disclose that the Services provided or conducted by Contractor do not meet the Maintenance Standards, then Contractor shall promptly perform Remedial Action to correct such defects or deficiencies at its sole cost and expense.

6.4.2 Contractor shall perform special inspections of the Maintained Facilities after storms, fires, derailments, earthquakes, motor vehicle accidents, vandalism or other disruptions to service, to determine if there has been any damage or alteration of conditions affecting the condition of the Maintained Facilities or the safety of Trains. If regulatory agencies perform inspections of the Maintained Facilities, Contractor shall support such inspections through transportation, flag protection, inspection, and documentation of inspection, record research, and Remedial Actions for any defects or deficiencies discovered in such inspections.

6.5 Repair of Damage Caused by Contractor. Contractor shall be responsible for promptly repairing any damage to the Maintained Facilities resulting from Contractor's or Subcontractor's acts or omissions regardless of whether such acts were unintentional. Contractor shall promptly inform ACTA and each Railroad in writing of the nature of such damage caused by Contractor or Subcontractor and the exact Remedial Action performed or to be performed by Contractor to repair such damage. Such repair work performed by Contractor shall be completed in a timely manner at Contractor's sole cost and expense; provided, however, such repair work performed by Contractor shall not unreasonably interfere with ACTA, Owner, and/or Railroads' use of the Maintained Facilities.

6.6 Coordination of Services with Other Entities. Contractor acknowledges that the Maintained Facilities comprise a segment of a larger rail and infrastructure system which, among other things, connects with Trackage owned or operated by one or both of the Ports, one of the Railroads or PHL at the southerly end of the Rail Corridor as well as with Trackage owned or operated by each of the Railroads at the northerly end of the Rail Corridor and at certain connection points along the Rail Corridor. Accordingly, as an integral component of the Services, Contractor at all times shall interface, coordinate and fully cooperate with any other entity providing repair, maintenance, improvement, dispatching, security services, railroad service and other services with respect to, or operating on, the Rail Corridor, and Trackage and rail facilities that connects to or are adjacent to the Rail Corridor, including (i) the Corridor Dispatcher with respect to the Rail Corridor, (ii) PHL (and its successors and assigns), Owner and the Railroads with respect to the Trackage at the southerly end of the Rail Corridor, (iii) the Railroads with respect to Trackage at the northerly end of the Rail Corridor and at various connection points along the Rail Corridor, and (iii) one or both of the Ports with respect to Trackage owned or operated by the Ports. Further, Contractor at all times shall interface, coordinate and fully cooperate with any other person or entity that from time to time may perform work on the Rail Corridor (including the entities providing train operations, dispatching services and security services with respect to the Rail Corridor, which services, as of the date of this Agreement, are provided jointly by BNSF and UP). In addition to the forgoing, Contractor at all times shall interface, coordinate and fully cooperate

with other persons and entities which provide technical support and testing services with respect to the AEI Readers. Nothing in this Section 6.6 shall be construed as creating an obligation or duty by Contractor to permit other entities to utilize Contractor's equipment, materials or supplies.

6.7 Warranty of Services. Contractor warrants to ACTA, POLA, POLB, BNSF and UP on behalf of itself and on behalf of any Subcontractor it employs to perform the Services that (i) all Services performed by Contractor or Subcontractor shall be done in a workmanlike manner, in compliance with all applicable federal, state and local laws, regulations or other valid orders of a governmental agency, and other applicable professional standards and in compliance with the requirements of this Agreement, (ii) all parts, equipment and materials used by Contractor or Subcontractor in provision of the Services shall be equal or better than the specifications set forth in Exhibit 7-Appendix F, and (iii) Contractor shall employ and ensure that Subcontractor employs a sufficient number of skilled, qualified and trained employees to perform the Services.

6.7.1 Contractor shall be responsible for taking any corrective action required to satisfy the foregoing warranties. Within thirty (30) days after Contractor's discovery of, or within thirty (30) days after receiving written notice from any of ACTA, Owner, BNSF or UP of, a breach of the foregoing warranties, Contractor shall at its sole expense remove, repair and/or replace any non-conforming work (including parts and materials used in that work), or shall commence reasonable efforts to affect a cure, and shall bear the cost of repair or replacement of any other portions of the Maintained Facilities or work performed by any other contractor, that is damaged by Contractor's or Subcontractor's non-conforming work. Contractor shall repair any work which does not comply with applicable laws, regulations, orders or professional standards or which has not been done in a workmanlike manner, all at Contractor's sole cost.

6.7.2 Notwithstanding anything to the contrary in this Agreement, Contractor's warranty excludes remedy for manufacturer defects, damage or defect caused by abuse or modifications not executed by Contractor or its Subcontractors, improper or insufficient maintenance not performed by Contractor or its Subcontractors, or normal wear and tear under normal usage.

6.7.3 The only warranties made by Contractor in connection with the work are those set forth in this Section 6.7. Those warranties are exclusive and in lieu of all other warranties, whether statutory, express or implied, including warranties of merchantability, fitness for particular purpose and those arising from course of dealing and usage of trade. ACTA, POLA, POLB, BNSF and UP's sole and exclusive remedy for warranty nonconformities in the work shall be for Contractor to repair or replace the nonconforming work as provided in this Section 6.7.

6.7.4 If Contractor fails to commence reasonable efforts to affect a cure within a reasonable time of Contractor's discovery of, or receipt of written notice of, the alleged breach of the foregoing warranties, and thereafter complete such repair and/or replace any non-conforming work within a reasonable time, to the reasonable satisfaction of ACTA, Owner, BNSF and UP, any of ACTA, Owner, BNSF and/or UP shall have the right, but not the obligation, to correct and/or replace any work or materials that is/are defective or do not comply with the Maintenance Standards; provided, however, that the exercise of such right shall be without prejudice to any other right or remedy such party may have under this Agreement. Contractor shall

fully reimburse ACTA, Owner, BNSF and/or UP (as applicable) for any expenses incurred hereunder, including the applicable party's overhead costs (provided, that if such work is done by BNSF and/or UP, overhead costs shall be billed in accordance with such Railroad's customary billing practices).

6.7.5 Notwithstanding any of the foregoing, if the work of Contractor or any of its Subcontractors is not in compliance with this Agreement or creates a hazard to the public health or safety or the safety of the employees or other contractors (and their employees) of ACTA, Owner or either Railroad or to the employees of Contractor or Subcontractor, ACTA may undertake at Contractor's sole expense and without prior notice all Services necessary to correct that hazardous situation.

6.7.6 Contractor shall require any Subcontractor to undertake and guaranty the same obligations to the Contractor and to ACTA, Owner and Railroads as are set forth in this Section 6.7.

6.7.7 Contractor's obligations under this Section 6.7 shall continue for three (3) years after either Contractor's completion of the non-conforming work or the termination of this Agreement, whichever is earlier.

ARTICLE 7

DERAILMENTS

7.1 Clearing of Derailments and Repair of Damage Caused by Derailments.
Pursuant to the Operating Agreement, any Railroad whose Train derails shall be responsible for promptly clearing the derailment. If a Railroad's Train derails and the Railroad does not promptly clear the derailment, ACTA has the right to engage one or more contractors to cause the derailment to be cleared.

7.1.1 As between Contractor and the Railroads, to the extent that a derailment was not caused by the act or omission of Contractor, the costs of clearance of such derailment shall be borne solely by the Railroad(s) whose Train(s) derailed. Contractor shall promptly provide to the applicable Railroad(s) or ACTA, as the case may be, all assistance that may be requested to clear any derailment, regardless of the cause thereof. Further, Contractor promptly shall repair any damage to the Maintained Facilities resulting from any derailment. Except as provided in Section 7.1.2, Contractor shall be entitled to reimbursement of Contractor's costs for such work (at the agreed-upon standard rates and unit prices contained in the current Approved Maintenance Plan) incurred in connection with such assistance, and for repair of any damage to the Maintained Facilities resulting from any derailment, from the Railroad(s) whose Train(s) derailed. Contractor shall be responsible for collecting from the affected Railroad(s) such amounts; provided, however, that ACTA shall use commercially reasonable efforts (without any obligation to incur out-of-pocket costs thereby) to assist Contractor in Contractor's efforts to collect such amounts from the affected Railroad(s). In the event that the affected Railroad(s) does not make payment to Contractor within ninety (90) days of Contractor's submission of an invoice, then ACTA shall pay such invoice in accordance with the requirements set forth in Section 5.6, subject to reimbursement by the Railroad(s) pursuant to the terms of the Operating Agreement.

7.1.2 Contractor shall be responsible for the cost of any derailment to the extent that it was caused by the act or omission of Contractor or any Subcontractor. In any such case, Contractor shall promptly provide assistance in clearing the derailment and shall repair any resulting damage to the Maintained Facilities, at no cost to ACTA, Owner or the Railroads (but only to the extent of Contractor's responsibility). Any costs incurred by a Railroad in clearing any such derailment shall be calculated by that Railroad and provided to ACTA and Contractor, and Contractor promptly shall pay such amount to such Railroad, but only to the extent of Contractor's responsibility.

7.1.3 Where the extent of Contractor's responsibility for costs relating to a derailment is disputed, Contractor, ACTA and/or the Railroad(s) whose Train(s) derailed, may submit the issue to dispute resolution pursuant to Article 20.

ARTICLE 8

CAPITAL IMPROVEMENTS

8.1 Capital Improvements. Contractor shall make the Capital Improvements necessary to ensure that the Maintained Facilities are operated and maintained in compliance with all federal, state and local laws, and each Approved Maintenance Plan shall include a description of Capital Improvements that Contractor proposes to make during the applicable Contract Year. The costs of such Capital Improvements, if approved as part of the Approved Maintenance Plan in accordance with Article 5 hereof, will be paid as provided in Article 5. In addition, Contractor shall make such additional Capital Improvements requested by ACTA from time to time provided the following conditions are satisfied (i) ACTA (with the prior written approval of the Railroads and the Owners) determines that such additional Capital Improvements shall be included in the Scope of Services in accordance with Section 2.4 and Section 8.3 hereof, and (ii) the costs of such additional Capital Improvements shall be paid by either (x) funds allocated under the Approved Maintenance Plan or an amendment to the Approved Maintenance Plan, or (y) funds paid directly by the Railroads to ACTA pursuant to the terms of the Operating Agreement and/or a separate agreement among ACTA, the Railroad(s) and the Owner. Contractor invoices shall be in reasonable detail and shall include such supporting invoices and documentation as ACTA or the Railroad(s) may request. If the Railroad(s) or ACTA, as the case may be, in good faith dispute all or any portion of any such invoice, ACTA shall be obligated to pay only the undisputed portion of such invoice until the dispute has been resolved. Any dispute regarding such an invoice shall be settled by the dispute resolution procedures set forth in Article 20.

8.1.1 Contractor and ACTA acknowledge that the annual Approved Maintenance Plans are intended to provide for a normalized maintenance and replacement schedule over a period of time that will maintain the Maintained Facilities and all components thereof in the condition required by this Agreement. The maintenance program set forth in the Approved Maintenance Plans shall include the periodic replacement of ties, rail, switches and other components of the Maintained Facilities, to the extent required during the Contract Year, with materials of like quality. Contractor and ACTA further acknowledge that notwithstanding consistent performance of the normalized maintenance and replacement program described above, at some point in the future major portions or components of the Maintained Facilities will need to be replaced. During the term of this Agreement, Contractor shall provide to ACTA (with a copy

to the Owner and Railroads) information regarding annual replacement of ties, rail, switches and other components of the Maintained Facilities as part of the Approved Maintenance Plan.

8.2 Ownership of Improvements and Alterations. All materials, replacements, substitute items and Capital Improvements installed or made by or on behalf of Contractor or any other person on the Maintained Facilities, or on any other property owned or controlled by Owner or ACTA, shall be the property of Owner or ACTA (as the case may be) unless ACTA notifies Contractor otherwise.

8.3 Capital Improvements by ACTA, Owner or Railroads. None of ACTA, Owner or Railroads shall have any obligation whatsoever to make any Capital Improvements or other modifications or additions on or to the Maintained Facilities (or otherwise). Subject to the restrictions set forth in Article 14, ACTA, Owner and Railroads each shall be entitled, but shall not be obligated, to make such Capital Improvements and modifications to the Maintained Facilities as ACTA, Owner and Railroads, each in its sole discretion, and consistent with and subject to the terms and conditions of the Operating Agreement, deems necessary or desirable, and ACTA shall be entitled to employ contractors other than Contractor to perform such Capital Improvements or other modifications to the Maintained Facilities.

8.4 Construction Work by ACTA, Owner or Railroads. Upon at least 30 days' prior written notice to Contractor, and subject to the terms and conditions hereof, either ACTA, Owner or Railroads may elect to construct modifications, additions or other improvements (including Capital Improvements) to the Maintained Facilities, to the extent consistent with (and subject to) the terms and conditions of the Operating Agreement. In connection with any construction activity, ACTA, Owner or Railroad(s), as the case may be, may schedule at least one construction period of at least eight continuous hours during each day to perform its construction activities on or adjacent to the Maintained Facilities so long as such work will not interfere significantly with train operations on the Rail Corridor. The specific construction periods shall be determined by ACTA, Owner and/or the Railroads (whoever has elected to construct) in consultation with Contractor, with the goal of not significantly interfering with rail operations on the Maintained Facilities. ACTA, Owner and/or Railroads also may conduct construction and related activities at times outside of the designated construction periods, provided, that such activities outside the designated period do not materially interfere with Contractor's ability to perform the Services.

8.5 Repair of Damage Caused by Force Majeure. Notwithstanding the other provisions of this Agreement, solely as between ACTA and Contractor, repair of any damage caused in the future by a Force Majeure Event shall be the sole responsibility of ACTA, subject to the provisions of Article 18.

ARTICLE 9 SAFETY AND SECURITY

9.1 Safety Program. Contractor shall establish, and Contractor and all Subcontractors shall observe, a safety program for all of its activities on the Maintained Facilities in accordance with prevailing industry standards, and shall use reasonable care in all of its activities in, on or about the Maintained Facilities. Contractor's safety program shall address, in reasonable detail, all safety and security measures undertaken or otherwise in the planning stages, in order to comply

with various safety and security rules and regulations which may apply to the Services from time to time, including without limitation, the Transportation Workers Identification Credentialing program implemented by the Department of Homeland Security, and to the extent applicable to Contractor and/or its Subcontractors. Contractor's safety plan shall be updated annually to reflect the Services to be provided by Contractor during the following Contract Year, with the annual updates to be delivered by Contractor to ACTA with the proposed Annual Maintenance Budget for the following Contract Year, and the original safety program and the annual updates shall be subject to prior review, comment and approval by ACTA, the Owner and the Railroads. Without limiting the generality of the foregoing, Contractor acknowledges and agrees that the emergency drop ladders located in the trench portion of the Rail Corridor shall not be used by Contractor or its employees or contractors for routine ingress or egress to or from the trench (but the foregoing shall not preclude Contractor and its employees and contractors from performing tests, inspections, repairs and maintenance services on and with respect to such emergency drop ladders in accordance with the provisions of this Agreement).

9.2 Encroachers, Trespassers and Other Third Parties; Hazards. Contractor shall notify ACTA in writing of any trespassers and other operations and activities on the Maintained Facilities which interfere with Contractor's performance of the Services. Contractor shall not allow or authorize any person or entity other than a Railroad, Contractor (including its contractors and Subcontractors), ACTA or Owner to operate equipment (including locomotives, hi-rail vehicles and track mobiles) on any of the Maintained Facilities. Contractor shall give ACTA prompt written notice of any encroachment onto the Maintained Facilities by adjoining property owners or tenants which interferes with operations on the Maintained Facilities.

9.3 Security. Contractor shall be solely responsible for providing any security services or measures it deems necessary or desirable for its property and equipment, but shall have no responsibility for providing any other security services or measures with respect to the Maintained Facilities. Contractor acknowledges that neither ACTA, Owner nor any Railroad shall have any responsibility to provide any security services or measures to protect from theft of or vandalism or damage to any property, equipment or improvements owned or used by Contractor. Any loss due to theft, damage or vandalism of Contractor's property, equipment or improvements shall be borne by Contractor at its sole cost and expense, but only to the extent that such theft, damage or vandalism was not attributable to or did not result from, the negligent acts of ACTA, the Owner, BNSF and/or UP.

ARTICLE 10 COMPLIANCE WITH LAWS, LICENSING, TAXES AND ASSESSMENTS

10.1 Compliance with Laws. Contractor shall ensure that Contractor and its Subcontractors comply, at its sole cost and expense, with all applicable federal, state and local laws, rules, ordinances, regulations, permits and orders in effect during the term of this Agreement that relate to or govern Contractor's performance of the Services (including, without limitation, all applicable requirements of the California Labor Code, the California Department of Industrial Relations, the FRA, the California Public Utilities Commission, the Department of Homeland Security and the requirements of the Occupational Safety and Health Act). If any failure on

Contractor's part to so comply results in a fine, penalty, cost or charge being imposed or assessed on or against ACTA, POLA, POLB or any Railroad, Contractor and Subcontractor shall promptly reimburse, defend, indemnify and hold such parties harmless with respect to such fine, penalty, cost or charge and all expenses and attorneys' fees incurred in connection therewith, but only to the extent that such fine, penalty, cost or charge was not attributable to or did not result from, the negligent acts or omissions of ACTA, the Owner, BNSF and/or UP.

10.2 Licenses and Permits. Contractor shall obtain and maintain in full force and effect, at its sole cost and expense, all governmental licenses (including contractor's licenses required under California law), permits (including building permits), approvals, franchises and other entitlements that are necessary for it to perform the Services under this Agreement. Contractor acknowledges that any approval by or consent of ACTA which may be given pursuant to this Agreement with respect to the subject matter hereof shall not be deemed or construed as eliminating or reducing Contractor's obligation to obtain any licenses, permits, approvals, franchises or entitlements which may be necessary or required from UP, BNSF, POLA and/or POLB, or from departments or agencies of either POLA or POLB.

10.3 Compliance with Prevailing Wage Requirements. Services provided under this Agreement are subject to the provisions governing payment of prevailing wages on public works projects found in Labor Code Section 1720 *et seq.* and the requirements of Title 8 of the California Code of Regulations Section 16000 *et seq.*, and are subject to compliance and monitoring and enforcement by the State of California Department of Industrial Relations. Pursuant to Labor Code Section 1771, the Contractor and all Subcontractors of any tier must pay not less than the general prevailing rate of per diem wages, and the general prevailing rate of holiday and overtime work in the locality in which the public work is to be performed for each craft, classification or type of workers needed to execute this Agreement.

10.3.1 For the purpose of this Agreement, the wages required to be paid for all Contractor and Subcontractor job classifications shall be no less than the Prevailing Wage Rate for the County of Los Angeles established by the Director of the Department of Industrial Relations in effect on the first advertisement date of the Request for Proposal. Contractor shall post a schedule at the office building at the Maintenance Yard or other appropriate, visible location on the jobsite showing all prevailing wage rates for each craft, classification, or type of worker needed to perform the Services. Copies of prevailing rate of per diem wages are available on the Internet at: www.dir.ca.gov/dlsr/DPreWageDetermination.htm, and are on file at ACTA's office located at 3760 Kilroy Airport Way, Suite 200, Long Beach, California 90806 and shall be made available by ACTA upon request. Contractor and Subcontractors must comply with applicable statutes and regulations, including but not limited to the payroll record keeping requirements of Labor Code Section 1776, and the penalty provisions of Labor Code Sections 1775, 1776, 1777.7, and 1813.

10.3.2 Pursuant to Labor Code Section 1774, Subcontractors of any tier must also comply with requirements for payment of prevailing wages. Contractor is responsible for ensuring that all Subcontractors comply with prevailing wage requirements and is responsible for Labor Code violations by Subcontractors of any tier. The agreement executed between Contractor and each Subcontractor must include a copy of the provisions of Labor Code Sections 1771, 1775, 1776, 1777.5, 1813 and 1815, at a minimum.

10.3.3 Pursuant to Labor Code Section 1771.4 and as directed by the Labor Commissioner, Contractor and Subcontractors performing prevailing wage work must furnish electronic Certified Payroll Records (eCPRs) directly to the Labor Commissioner (aka Division of Labor Standards Enforcement). ACTA reserves the right to require Contractor to submit to ACTA each month the Certified Payroll Records of Contractor and its Subcontractors of every tier. Pursuant to Labor Code Section 1776, Contractor must also make payroll records available for inspection by ACTA upon request at all reasonable hours at the principal office of the Contractor.

10.3.4 No Contractor or Subcontractor may engage in the performance of Services under the Agreement unless currently registered and qualified to perform public work pursuant to Labor Code Sections 1725.5 and 1771.1.

10.4 Compliance with Apprenticeship Requirements. Contractor and its Subcontractors must comply with employment and training programs established by the Department of Industrial Relations - Division of Apprenticeship Standards, pursuant to Labor Code Sections 1773 and 1773.1. Pursuant to Labor Code Section 1777.5 and Title 8 of California Code of Regulations Section 230, Contractor and Subcontractors of any tier who are not already approved to train by an apprenticeship program sponsor shall, within ten (10) calendar days of signing the Agreement or Subcontract, as applicable, but in any event prior to the first day in which the Contractor or Subcontractor has workers employed at the Maintained Facilities, submit the Public Works Contract Award Information form (DAS Form 140) to the appropriate local apprenticeship committees whose geographic area of operation include the area where the Services are being provided and who can supply apprentices. Contractors and Subcontractors must also submit a copy of the forms to ACTA upon request.

ARTICLE 11

PERSONNEL AND EQUIPMENT

11.1 Personnel. Contractor shall hire, train and supervise, at its sole cost and expense (except as provided in any Approved Maintenance Plan), all persons necessary to perform the Services except to the extent Contractor engages contractors or Subcontractors under Contractor's supervision and for whom Contractor shall be responsible, to perform such duties and obligations. Contractor shall ensure that all persons performing the Services, including all contractors and Subcontractors hired by Contractor, are competent, trained, qualified and, to the extent required by law or by sound business practices in the industry, licensed or certified for the task that they are performing. Contractor's training programs and hiring qualifications shall be subject to prior review, comment and approval by ACTA (which approval shall not be unreasonably withheld or delayed). Any Subcontractor hired by Contractor shall be required to accept joint and several liability with Contractor for any Losses to ACTA, POLA, POLB, BNSF and/or UP to the extent such Losses result from any act or omission of such Subcontractor. Any subcontract shall be subject to the prior review and approval of ACTA.

11.1.1 Without limiting the generality of the foregoing, Contractor shall designate a full-time qualified maintenance contract manager who shall be ACTA's point of contact for the management, operational administration, financial administration and supervision of this Agreement, which manager shall be subject to ACTA's prior approval. If ACTA is

dissatisfied with the performance of such manager, and following consultation between Contractor's appropriate corporate officer and ACTA the dissatisfaction is not resolved, Contractor shall remove such manager immediately and name an interim manager, acceptable to ACTA, within a reasonable period. Contractor shall not otherwise transfer or reassign such manager until a replacement approved in writing by ACTA has accepted the position and is available to begin work in that position. Such manager shall attend service meetings with ACTA staff and otherwise, as requested. Further, Contractor shall develop and include in the Approved Maintenance Plan an organizational structure for its workforce. This structure will define the reporting relationships, assignments and job classifications, and shall include a telephone and radio contact list for each person listed. Included will be provisions for after hours and emergency response to problems (which shall include contacts for Contractor's personnel that can be reached 24-hours per day for emergency purposes). ACTA shall have the right to require Contractor to remove and replace any of the workforce personnel assigned by Contractor or any Subcontractor following prior consultation with Contractor's manager and/or other appropriate corporate officers.

11.2 Relationship of ACTA and Contractor. Notwithstanding anything to the contrary contained herein, this Agreement shall not be deemed or construed to make ACTA, Railroads, POLB or POLA, on one hand, and Contractor, on the other, partners or joint venturers, or to render one liable for any of the debts or obligations of the other unless expressly so provided in this Agreement.

11.3 Relationship of ACTA and Subcontractors. Notwithstanding anything to the contrary contained herein, this Agreement shall not be deemed or construed to make ACTA, Railroads, POLB or POLA, on one hand, and any Subcontractor, on the other, partners or joint venturers, or to render one liable for any of the debts or obligations of the other unless expressly so provided in this Agreement.

11.4 No Employment Relationship Created. Contractor's and Subcontractors' relationship to ACTA, Railroads, POLB or POLA in the performance of the Services is that of an independent contractor, and all of the terms and conditions of this Agreement shall be interpreted in light of that relationship. Contractor and Subcontractors agree and understand that their employees are not the employees of ACTA, Railroads, POLB or POLA, and that this Agreement is not intended to, nor does it, create a joint employment relationship or an employer-employee relationship.

11.4.1 Except as may be otherwise stated in this Agreement, Contractor shall select and shall have full and complete control of and responsibility for all the agents, employees, and Subcontractors (if any) which are employed or used by the Contractor to provide Rail Corridor Services and/or Non-Rail Component Services pursuant to an Approved Maintenance Plan. None of said agents, employees, or Subcontractors shall be, or shall be deemed to be, the agent, employee or subcontractor of ACTA, Railroads, POLB or POLA, for any purpose whatsoever, and ACTA, Railroads, POLB or POLA, shall have no duty, liability or responsibility, of any kind, to or for the acts or omissions of Contractor or its agents, employees or Subcontractors, or any of them.

11.4.2 Contractor agrees that it is exclusively liable for the payment of taxes or contributions for unemployment insurance or old age pensions or annuities or social security

payments which are measured by the wages, salaries or other remuneration paid by Contractor to its employees and/or Subcontractors.

11.4.3 Any contract or agreement that Contractor enters into with a Subcontractor must contain language similar to that of this Section 11.4 (and its subsections) designed to ensure that the employees, agents, and independent contractors of Subcontractors are not treated as or found to be employees of ACTA, Owner or the Railroads.

11.5 Contractor Supplied Equipment. Contractor agrees to furnish Services as provided herein using the Contractor's own means and methods. Accordingly, Contractor and each Subcontractor shall provide its own equipment to perform the Services at the agreed-upon standard rates and unit prices contained in the Approved Maintenance Plan. All of Contractor's and each Subcontractor's equipment operating on the Maintained Facilities shall be adequately powered and otherwise in such condition that the efficient use and operation of the Maintained Facilities will not be disrupted. Without limiting the generality of the foregoing, Contractor shall at all times after the Commencement Date provide, as necessary, and maintain the equipment identified on Exhibit 2 attached hereto for use in connection with performance of the Services. If additional or different equipment is necessary from time to time for Contractor to perform the Services, Contractor promptly shall obtain and place in service such equipment.

11.6 Labor Protective Conditions. As between ACTA, Owner and the Railroads, on one hand, and Contractor, on the other, Contractor shall be responsible, at no cost to ACTA, Owner or the Railroads, for all labor protective conditions applicable to its employees and any Subcontractor performing the Services or in connection herewith. ACTA, POLA, POLB, UP and BNSF do not accept, succeed to or assume, and this Agreement shall not be construed to impose or allow ACTA's, POLA's, POLB's, UP's or BNSF's acceptance, succession to or assumption of, any obligations of Contractor or any Subcontractor under any of its collective bargaining agreements with its employees or their representatives. Contractor shall use all applicable agreements in place with its employees or their representatives to obtain any and all available cost and other efficiencies in the work force that can be derived from such practices. ACTA shall not be required to reimburse Contractor or any Subcontractor for any cost increases related to work rule changes (in the Contract Year the changes become effective) unless the changes are the result of a change in law and are mandated by said law changes to be paid by ACTA. Contractor's and each Subcontractor's agreements with any bargaining unit shall include a no-strike clause or, in the alternative, a clause that requires the employees covered by such agreement to complete all of the dispute resolution procedures in that agreement and required by applicable law before engaging in any self-help actions. If employees of Contractor or any Subcontractor picket or unlawfully honor a picket line of another union, and such picketing (or unlawful honoring of another picket line) disrupts operations on the Rail Corridor, Contractor shall reimburse ACTA for any and all costs and expenses incurred by ACTA, Owner and Railroad resulting from such service disruptions (including lost fees and other payments which otherwise would have been received by ACTA under the Operating Agreement had operations on the Rail Corridor not been disrupted). ACTA will have no liability or obligation for any additional costs incurred by Contractor or any Subcontractor in performing the Services as a result of picketing activities.

11.7 Maintenance Yard. ACTA intends to provide to Contractor during the term of this Agreement one storage yard located in the southerly portion of the Rail Corridor in the location shown on Page 4 of the Map attached hereto as Exhibit 1 (to the extent actually provided by ACTA, the “**Maintenance Yard**”); such Maintenance Yard shall be used and operated by Contractor solely for purposes relating to this Agreement and the Rail Corridor, and Contractor shall not use the Maintenance Yard for the purpose of providing services or storage with respect to other customers or properties or for the other business interests of Contractor or its affiliates. With respect to the Maintenance Yard, the parties acknowledge that (a) the area shown on the Map consists of significantly more land than the area which will be made available to Contractor for such Maintenance Yard, and (b) such Maintenance Yard may consist of approximately four acres of land, the specific boundaries of which will be agreed upon by ACTA and Contractor, and an office building, parking lot, and indoor and outdoor storage areas. If ACTA elects to make the Maintenance Yard available to Contractor, ACTA will do so solely as an accommodation to Contractor in connection with this Agreement, and ACTA at all times reserves the right to modify, decrease or change the boundaries of such space or to move the location of the Maintenance Yard at its sole discretion. ACTA may decide not to make the Maintenance Yard available to Contractor for any reason. None of ACTA, POLA, POLB, BNSF or UP make any representation or warranty of any kind regarding the condition of the Maintenance Yard or the adequacy of the Maintenance Yard (or any property hereinafter designated as a Maintenance Yard) for Contractor’s purposes, and Contractor shall accept the Maintenance Yard in its “**AS-IS, WHERE IS**” condition, with all faults. Contractor shall be solely responsible for (i) providing any yards and facilities that Contractor may need in addition to the Maintenance Yard in connection with performing the Services, (ii) all maintenance, repair and replacement of the Maintenance Yard and all improvements and facilities thereon, (iii) payment of all utility costs and other costs and expenses relating to the use, operation, maintenance, repair and replacement of the Maintenance Yard and all improvements and facilities thereon; provided that, ACTA and Contractor shall each share on an equal basis the cost of providing security for the Maintenance Yard and the cost for janitorial services in connection with the cleaning of the office building located at the Maintenance Yard; provided further, that none of ACTA, POLA or POLB intend or are required to provide any such security services or janitorial services (all costs and expenses in this clause (iii) shall be included in the budgets for an Approved Maintenance Plan pursuant to the procedures set forth in Section 5.2 and reimbursed by ACTA in connection therewith, except to the extent such costs or expenses relate to or arise from damage, destruction, acts or omissions caused by Contractor or its employees, agents or Subcontractors), (iv) keeping the Maintenance Yard and all improvements and facilities thereon free of all contamination by Hazardous Substances as described in Section 16.2, (v) compliance with all applicable laws, rules, regulations and ordinances relating to the use, operation, maintenance and repair of the Maintenance Yard and all improvements and facilities thereon, and (vi) returning the Maintenance Yard to ACTA at the expiration or earlier termination of this Agreement in the same condition as existed on the date of this Agreement, reasonable wear and tear excepted, which obligation shall include turning over to ACTA any improvements or facilities constructed by Contractor during the term of this Agreement, or any improvements to any existing improvements or facilities, at no additional charge or cost to ACTA (the obligation in this clause (vi) shall survive the expiration or earlier termination of this Agreement).

11.7.1 If ACTA elects to make the Maintenance Yard available to Contractor, ACTA will have the right to subsequently terminate Contractor's use of the Maintenance Yard by giving at least 120 days prior written notice of such termination to Contractor, which termination shall not limit Contractor's duties and obligations under this Agreement; provided, that concurrently with such termination, ACTA, POLA and/or POLB shall provide Contractor with one or more replacement yards in the vicinity of the Rail Corridor which are functionally equivalent to the Maintenance Yard being taken out of service, which replacement yard(s) will be provided at no charge to Contractor and thereafter will be deemed to be a "Maintenance Yard" under this Agreement, and Contractor will be responsible for moving any equipment or materials to the new Maintenance Yard; provided that ACTA shall reimburse Contractor for all of Contractor's reasonable costs, including labor costs, associated with moving any equipment or materials to the new Maintenance Yard.

ARTICLE 12
PROHIBITION AGAINST LIENS;
PAYMENT OF TAXES AND ASSESSMENTS

12.1 **Liens.** Contractor or Subcontractor shall not cause, allow or permit the filing of any mortgage, deed of trust, judgment lien or any mechanic's, materialman's or other lien, charge or encumbrance against any or all or any portion of any property owned or controlled by ACTA, POLA, POLB, UP and/or BNSF or any improvements thereon provided ACTA first pays Contractor all amounts due for the performance of the work that is the subject of the lien or security interest. However, if such filing does occur, Contractor shall cause the same to be discharged of record within 30 days after the date of filing of the same (or an earlier period if a suit for foreclosure of such lien has been filed or if a mortgagee requires the removal of such lien earlier and notice of such requirement is delivered to Contractor) provided, that Contractor shall be entitled to contest the same as provided by law so long as Contractor exercises such rights in a manner which prevents foreclosure of any such lien, charge or encumbrance.

12.2 **Taxes.** Contractor shall promptly pay all taxes of any kind or nature, and any governmental or special district assessments, all bonded indebtedness incurred by Contractor, all license fees and other charges, if any, properly levied or assessed against or as a result of this Agreement or Contractor's performances of Services under this Agreement, subject to Contractor's right to contest the same as provided by law, which right shall be exercised by Contractor in a manner which prevents the foreclosure of any lien for such taxes. Should Contractor elect to contest the taxes and assessments payable by Contractor under this Section 12.2, Contractor shall indemnify, defend and hold harmless ACTA, POLA, POLB, UP and BNSF and their respective officers, directors, employees, commissioners, agents, successors and assigns, from any and all matters arising therefrom, including any penalties or late charges relating to such taxes and assessments and all costs and expenses (including reasonable attorneys' fees) arising out of such contest.

ARTICLE 13 REPORTS AND NOTICES

13.1 Delivery of Notices. Contractor promptly shall deliver to ACTA copies of all notices, correspondence and information it receives from any governmental agency, tenant, licensee, shipper, customer, easement holder or Railroad (a) regarding the condition or maintenance of all or any portion of the Maintained Facilities and any other property owned or controlled by ACTA, POLA, POLB, BNSF and/or UP, or (b) alleging violation of any law with respect to the Rail Corridor by Contractor, any Railroad, ACTA, POLA, or POLB, or (c) alleging violation of or default under any agreement to which ACTA, POLA and/or POLB is a party with respect to the Maintained Facilities. In addition, if Contractor becomes aware of any persistent and continuing unsafe condition on the Maintained Facilities, Contractor shall promptly notify ACTA, the Owner and the Railroads of such unsafe condition.

13.2 Statements. Within forty-five (45) days after the end of each calendar quarter, Contractor shall deliver to ACTA quarterly unaudited statements for the immediately preceding calendar quarter in a form acceptable to ACTA, showing all cost incurred with respect to both the Rail Corridor and the Non-Rail Components, and separately allocated to each of the Rail Corridor and Non-Rail Components, and if requested by ACTA, showing the location of all such cost incurred, and such other information as ACTA may reasonably request. Within 90 days after the end of each Contract Year, Contractor shall deliver to ACTA an annual report of cost incurred with respect to both the Rail Corridor and the Non-Rail Components, in a form acceptable to ACTA. Such unaudited statements and annual reports shall characterize each itemized cost incurred as either a Rail Corridor cost incurred or a Non-Rail Component cost incurred or an allocated cost and shall detail the allocation methodology. ACTA shall have the right to audit such statements and reports in accordance with Section 13.3.

13.3 Audit Rights. At any time during the term of this Agreement and for a period of not less than three (3) calendar years after the termination of this Agreement, ACTA has the right to inspect and audit Contractor's statements, books and records with respect to Contractor's performance of Services under this Agreement. ACTA acknowledges and agrees, however, that the rates set forth in the Approved Maintenance Plan are negotiated rates that are not subject to audit; provided, however, that ACTA shall have the right to audit whether or not the correct rate was applied in such instance, and/or the correct number of hours were applied to such rate, and whether wages meet or exceed the minimum prevailing wage rate requirement. ACTA has the right to enter, or cause its agent to enter, Contractor's or Subcontractor's place of business (or such other facilities where such books or records are stored pursuant to Section 13.6) during normal business hours to perform such inspection and audit; provided, that ACTA shall give Contractor and Subcontractor reasonable prior notice of its desire to inspect such books and records at Contractor's or Subcontractor's place of business (or such other facilities where such books or records are stored). Contractor shall also cause similar audit provisions to be a part of any subcontract agreement into which Contractor shall enter into in connection with this Agreement.

13.4 Inspection Reports. Contractor shall perform and document all inspections of the Maintained Facilities required under applicable federal, state and local laws and shall submit to the appropriate governmental entities all reports required to be submitted under applicable federal,

state and local laws and shall deliver copies of such reports to ACTA. In addition, Contractor shall prepare and submit to ACTA all other data and reports relating to the Services as needed to satisfy requirements for submission of information or reports to any federal, state or local governmental agencies.

13.5 Other Reports and Information. Contractor and Subcontractor shall make available to ACTA, the Owner and the Railroads any reports prepared by or on behalf of Contractor regarding the condition or status of the Maintained Facilities or any portion thereof, and shall prepare and deliver to ACTA any other reports and information relating to the Services as may be reasonably requested by ACTA. Contractor and Subcontractor shall retain all such information during the term of this Agreement and for a period of not less than three (3) calendar years after the termination of this Agreement.

13.6 Records Retention; Review. Contractor and Subcontractor, as the case maybe, shall maintain at its office in Los Angeles County, California, full and complete records of all of its activities pursuant to this Agreement, including all permits, licenses, inspection reports, governmental or regulatory notices or approvals, maintenance logs, inspection reports and records and reports of any accidents or injuries on the Maintained Facilities. ACTA, the Owner or the Railroads may at any time during normal business hours and upon reasonable prior written notice review and/or copy (at the expense of the person reviewing and copying the records) any or all of such records and information, which review may be performed by the employees of ACTA, the Owner or the Railroads or by any agent thereof. Such records shall be maintained by Contractor and Subcontractor for a period of not less than three (3) calendar years after the termination of this Agreement.

13.7 Public Records Act. All records, documents, drawings, plans, specifications and other material relating to the Maintained Facilities and the conduct of ACTA's business, including materials submitted by Contractor in its proposal and during the course of performing the Services under this Agreement, shall become the exclusive property of ACTA, and may be deemed public records to the extent required under the California Public Records Act. Said materials may be subject to the provisions of the California Public Records Act. ACTA's use and disclosure of its records are governed by this Act. ACTA will not advise as to the nature or content of documents entitled to protection from disclosure under the California Public Records Act, including interpretations of the Act or the definitions of trade secret, confidential or proprietary. Should ACTA receive materials that are clearly and prominently labeled "trade secret," "work product," "attorney-client privilege," "confidential," "proprietary" or "privileged," ACTA will notify , in writing, Contractor of any request for the disclosure of such materials. Under no circumstances, however, will ACTA be liable or responsible for the disclosure of any labeled materials whether the disclosure is required by law or a court order or occurs through inadvertence, mistake or negligence on the part of ACTA or its officers, employees, agents and/or contractors. In the event of litigation concerning the disclosure of any material submitted by Contractor, ACTA's sole involvement will be as a stake holder, retaining the material until otherwise ordered by a court. Contractor, at its sole expense and risk, shall be responsible for prosecuting or defending any action concerning the materials, and shall defend, indemnify and hold ACTA harmless from all costs and expenses, including reasonable attorneys' fees, in connection with such action.

13.8 Confidentiality.

13.8.1 For and during the entire term of this Agreement, Contractor shall consider and keep any information, data, figures, records, findings and the like received or generated by Contractor in the performance of the Services as private and privileged records and shall not divulge such matters to any person, firm, corporation or other entity except as provided in this Agreement or otherwise on the direct written authorization of ACTA or as required by law or a court order. Further, upon expiration or termination of this Agreement for any reason, Contractor shall continue to treat as private and privileged any information, data, figures, records and the like, and will not release any such information to any person, firm, corporation or other entity, either by statement, deposition, or as a witness, except upon direct written authority of ACTA or as required by law or a court order.

13.8.2 Contractor shall ensure that all published information regarding this Agreement and the Services is factual and that it does not in any way imply that ACTA, POLA, POLB, BNSF, and/or UP endorses Contractor's firm, service, and/or product except to the extent that ACTA, POLA, POLB, BNSF and/or UP gives written permission for Contractor to publish such an endorsement.

13.8.3 Contractor shall refer all inquiries from the news media to ACTA, and shall comply with ACTA's directions regarding statements to the media relating to this Agreement or the Services. However, if any news inquiries address, directly or indirectly, any action or inaction of Contractor, Contractor may issue such statements as it deems necessary or appropriate.

13.9 Ownership of Reports and Documents. The originals of all letters, documents, reports and other products and data produced under or in connection with this Agreement shall be delivered to, and become the property of ACTA. Copies may be made for Contractor's records, but shall not be furnished to others without written authorization from ACTA.

ARTICLE 14 OPERATING AGREEMENT

14.1 Role of Owner and Railroads. Contractor and ACTA acknowledge that pursuant to the Operating Agreement, the Owner and Railroads are required to establish and modify Maintenance Standards with respect to the Rail Corridor and have the right to review and approve or disapprove proposed maintenance plans, budgets, and Capital Expenses with respect to the Rail Corridor, all on the terms and conditions specified in the Operating Agreement. As provided under the Operating Agreement, ACTA acts on behalf of, and at the direction of, the Owner and Railroads with respect to this Agreement and the subject matter hereof. Accordingly, Contractor shall be required to deal only with ACTA as the contracting party under this Agreement and with respect to the Services. Contractor shall be entitled to conclusively rely upon any notice, consent or approval given by ACTA to Contractor pursuant to this Agreement, notwithstanding any conflicting notice Contractor may receive from the Owner or the Railroads.

14.2 No Modification of Operating Agreement. Notwithstanding anything to the contrary in this Agreement, this Agreement is not intended to, and shall not be deemed or interpreted to, amend, modify, limit or supersede in any way the respective rights, duties,

obligations and liabilities of ACTA, POLA, POLB, UP and/or BNSF under the Operating Agreement, and as between and among such parties, the Operating Agreement shall continue to govern and control the respective rights, duties, obligations and liabilities of such parties.

14.3 Authorized ACTA Representatives. For the purpose of any approval, consent, authorization or other action required by ACTA under this Agreement, unless ACTA provides written notice to the Contractor otherwise, ACTA's Chief Executive Officer or his or her designee shall be deemed to be an authorized representative of ACTA hereunder and shall be authorized to perform all such actions on behalf of ACTA under this Agreement.

ARTICLE 15

DEFAULT AND REMEDIES

15.1 Defaults.

15.1.1 Contractor Defaults. Any of the following events shall be deemed a default by Contractor hereunder:

(a) Failure by Contractor to pay any undisputed amounts or charges required to be paid by it under this Agreement within thirty (30) days after receipt of written notice by Contractor that the same was not paid when due;

(b) Failure to maintain insurance as required hereunder, which failure continues for five (5) business days after Contractor's receipt of written notice by ACTA;

(c) Failure to perform any other non-monetary obligation of Contractor or Subcontractor hereunder within thirty (30) days of receipt of written notice by ACTA; provided, that if Contractor or Subcontractor commences to cure such failure but such failure cannot be cured within such 30 day period despite diligent pursuit of such cure, Contractor shall be entitled an extension of the period of time necessary to cure such default if Contractor continues to diligently pursue such cure and shall not be deemed in default;

(d) Commencement of an insolvency, bankruptcy or other similar proceeding by or against Contractor which proceeding is not dismissed within 90 days after commencement thereof;

(e) The making of a general assignment for the benefit of creditors of Contractor; and

(f) Violation by Contractor or Subcontractor of any collective bargaining or other labor agreement to which Contractor or Subcontractor is a party, which violation gives rise to a legal work stoppage, strike or other form of labor slowdown that disrupts rail operations on the Rail Corridor.

15.2 Remedies. The remedies provided for herein shall be cumulative.

15.2.1 Damages. In the event of a default by the Contractor under this Agreement which is not cured within the applicable cure period, if any, provided for herein, ACTA shall have all remedies available at law or in equity against the Contractor except as provided in Section 15.2.2.

15.2.2 Waiver of Consequential Damages. Subject to the exclusions set forth below, neither ACTA nor Contractor shall make a claim, and each party hereby agrees to waive such claim, against the other for consequential damages arising out of or related to this Agreement, regardless of whether the basis for such claim is breach of contract or tort. The term consequential damages shall mean those special, indirect or incidental damages which flow from an action or failure to act, and includes loss of use, income, and profit ("**Consequential Damages**"). This waiver shall not apply to any claim made under any of the following circumstances:

- (a) A claim for fraud, intentional misconduct or criminal acts;
- (b) A claim for indemnification under Article 16, including any third party claim subject to indemnity where Consequential Damages are claimed; and
- (c) A claim for Consequential Damages to the extent it is covered by the insurance required under Article 17.

15.2.3 Right to Cure. In the event of a default by Contractor under this Agreement which is not cured within the applicable cure period provided for herein, ACTA shall have the right, but not the obligation, to cure the default hereunder. All sums expended by ACTA in exercising its rights under the preceding sentence, including reasonable attorneys' fees, shall be repaid by Contractor upon demand therefor.

15.2.4 Termination for Default. In the event of a default under this Agreement by Contractor which is not cured within the applicable cure period provided for herein, ACTA will have the right to terminate this Agreement by delivery of written notice to Contractor, Owner and the Railroads at least fifteen (15) days prior to declaring Contractor terminated.

15.3 Termination for Convenience. At any time during the term of this Agreement, ACTA shall have the right to terminate this Agreement for convenience and without any liability therefor, by providing written notice to Contractor at least ninety (90) days prior to the termination date set forth in such notice. In such event, as between ACTA and Contractor, ACTA shall be responsible for obtaining any governmental approvals or exemptions that may be necessary in connection with any such termination of Service. In the event that Contractor is terminated pursuant to this Section 15.3, Contractor shall submit a proposed termination statement to ACTA (no later than ten (10) days' following the termination date) which shall include (1) all amounts owed to Contractor or any Subcontractor for Services performed through the termination date; (2) termination payments, if any, contractually owed by Contractor to Subcontractors and/or vendors as a direct result of the termination of such Services; provided, however, that (i) ACTA previously authorized and directed Contractor to perform all such Services, and (ii) such termination payments, if any, are a reasonable approximation of the damages incurred by Subcontractors and/or vendors as a direct result of the termination of such Services; and (3) reasonable costs incurred by Contractor to comply with ACTA's written directions in connection with the

termination, including demobilization costs, if any. In no event shall ACTA be obligated to pay for lost profits or other consequential damages resulting from any such termination. ACTA shall pay such termination statement in accordance with and subject to the provisions of Section 5.6.

15.4 Transfer of Rights Upon Termination. In the event that ACTA elects to terminate this Agreement pursuant to Section 15.2.4 or Section 15.3, ACTA, in its sole discretion, shall have the right to require the transfer of all of Contractor's rights hereunder (other than the right to receive payments on account of periods prior to the assignment), on terms and conditions acceptable to ACTA, to a replacement maintenance contractor (or contractors) designated by ACTA, and ACTA shall so notify the Contractor who such replacement maintenance contractors shall be. Upon such transfer Contractor shall (a) assign all of its right, title and interest in and to this Agreement to such replacement maintenance contractor(s) upon the request of ACTA; provided, however, that such assignment shall provide that Contractor be fully released from all obligations (except for obligations of indemnity pertaining to Services performed prior to the termination) under this Agreement that arise after the date of such assignment; (b) immediately cease all activities on the Maintained Facilities; (c) turn over to ACTA all material and inventory then held by Contractor with respect to the Rail Corridor and previously paid for by ACTA (with the understanding and agreement that, at a minimum, Contractor shall be obligated to turn over to ACTA all material and inventory delivered to Contractor at the commencement of the term of this Agreement, or to otherwise account for the use of such material and inventory in connection with Contractor's performance of the Services); and (d) remove, within 30 days after the termination of this Agreement, all equipment owned by Contractor from the Maintained Facilities.

ARTICLE 16 INDEMNIFICATION AND LIABILITY

16.1 General Indemnity. To the maximum extent permitted by applicable law, Contractor shall indemnify, defend (with counsel reasonably acceptable to the Indemnified Entities (as hereinafter defined)) and save harmless ACTA, POLA, POLB, and each of UP, BNSF and PHL, and each of them, and their respective officers, directors, employees, commissioners, agents, successors and assigns (individually "**Indemnified Entity**" and collectively, the "**Indemnified Entities**"), but excluding from such persons Contractor and the respective agents, contractors and Subcontractors of Contractor), from and against any Losses to the extent that they result from any act or omission of Contractor or its affiliates or subsidiaries, or their respective employees, agents, representatives, contractors, Subcontractors, invitees or licensees, during the term hereof, including Losses for (a) personal injury to or death of any person or damage to property, including the property of any other person or entity, which may result from the Services or equipment of Contractor or its affiliates or subsidiaries, or their respective employees, agents, representatives, contractors, Subcontractors or invitees, (b) a breach of the terms of this Agreement or of any law, ordinance or regulation, or a failure by Contractor to obtain or maintain in effect any license, permit, approval, franchise or other governmental approval required by law, or (c) the activities during the term hereof of Contractor or its affiliates or subsidiaries, or their respective employees, agents, representatives, contractors, Subcontractors, invitees or equipment, on or around the Maintained Facilities or elsewhere. Notwithstanding anything in this Agreement to the contrary, Contractor shall have no obligation to defend and indemnify the Indemnified Entities for their sole negligence. The indemnification provided under this Section 16.1 shall not be limited by the

waiver of Consequential Damages set forth in Section 15.2.2. Nothing in this Article 16 shall relieve ACTA or Contractor of any liability for breach of this Agreement. Further, nothing in this Article 16 shall be construed to relieve any insurer of its obligation to pay claims consistent with the provisions of a valid insurance policy.

16.2 Environmental Provisions and Indemnity.

16.2.1 Contractor shall not release, nor shall its affiliates or subsidiaries, or its or their respective agents, employees, representatives, contractors or Subcontractors, invitees or licensees release, any Hazardous Substances in, on or under the Maintained Facilities or on any other property and shall comply, at no cost to ACTA, Owner or the Railroads, with all Environmental Laws in connection with performance of its duties and obligations hereunder and its operations on the Maintained Facilities, and shall cause its affiliates and subsidiaries, and its and their respective agents, employees, representatives, contractors or Subcontractors, invitees or licensees, to comply with all Environmental Laws. Contractor shall not, however, be in breach of this provision if the release is of a de minimis quantity of the Hazardous Substance in question, provided, that Contractor removes within a reasonable time the Hazardous Substances and repairs any damage caused by the release or its removal that was released. To the maximum extent permitted by law, Contractor shall indemnify, defend (with counsel reasonably acceptable to the Indemnified Entities) and hold harmless the Indemnified Entities from and against any Environmental Losses arising out of a breach of any obligation under this Section 16.2.1 except to the extent such Environmental Losses result directly from the sole negligence of the Indemnified Entities.

16.2.2 Contractor shall promptly send copies to ACTA of any material notice, information or request for information it receives from any governmental authority or third party with respect to Hazardous Substances on, in or under the Maintained Facilities. For purposes of this Section 16.2.2, a notice shall be deemed material if it concerns an actual or alleged violation of any Environmental Law.

16.3 ACTA's Indemnity for Certain Environmental Contamination. Solely as between ACTA and Contractor, ACTA shall indemnify, defend and hold harmless Contractor and its officers, directors, shareholders, employees, agents, successors and assigns, from and against any and all Environmental Losses resulting from either (a) the presence of Hazardous Substances in, on or under the Maintained Facilities prior to the Commencement Date, or (b) the migration of Hazardous Substances onto or under the Maintained Facilities after the Commencement Date and before termination hereof (excluding matters covered by Contractor's indemnification in Section 16.2.1), except to the extent any such Environmental Losses result from the negligence or willful misconduct of Contractor or Contractor's affiliates or subsidiaries, or their respective agents, employees, contractors or Subcontractors, representatives or invitees. Nothing in this Section 16.3 shall be deemed to supersede, limit, alter or modify in any way any existing agreements between or among ACTA, POLA, POLB, UP and/or BNSF with respect to the matters described in this Section 16.3.

16.4 Demand Process; Notifications.

16.4.1 Demand. If any claim, action, proceeding, investigation or demand is brought or threatened against any Indemnified Entity entitled to indemnification hereunder (an “**Indemnatee**”), by reason of any matter requiring indemnification (an “**Indemnified Matter**”), Indemnatee shall give written notice thereof to the person required to make such indemnification (an “**Indemnitor**”) which notice shall contain a reasonably detailed description of the event, occurrence or condition giving rise to the claim for indemnity and shall enclose a true copy of any and all documents served upon or received by Indemnatee.

16.4.2 Payment. If Indemnatee suffers or incurs any Losses arising from or in connection with any Indemnified Matter, Indemnitor shall pay Indemnatee the total of such Losses suffered and incurred by Indemnatee within 90 days following demand therefor and delivery of an account of Losses suffered by Indemnatee and thereafter as such Losses are incurred and reported to Indemnitor by Indemnatee.

16.4.3 Defense. Indemnitor shall at its own cost, expense, and risk: (a) defend the Indemnified Entities in all suits, actions, or other legal or administrative proceedings that may be brought or instituted against an Indemnatee on account of any Indemnified Matter with counsel selected by Indemnitor and reasonably acceptable to each Indemnatee; (b) pay and/or satisfy any judgment or decree that may be recorded against an Indemnatee in any such suit, action, or other legal or administrative proceedings; and (c) reimburse each Indemnatee for all Losses incurred by each Indemnatee relating to or in connection with any such suit, action, or other legal or administrative proceedings.

16.4.4 Settlement. Notwithstanding anything in this Agreement to the contrary, Indemnitor shall not, without the prior written consent of every Indemnatee (which consent shall not be unreasonably withheld, conditioned or delayed), settle or compromise any action, suit, proceeding, or claim relating, directly or indirectly, to any Indemnified Matter where such settlement or compromise includes a payment in excess of Fifty Thousand Dollars (\$50,000) on behalf of an Indemnified Entity, or consent to the entry of any judgment therein against an Indemnified Entity in excess of Fifty Thousand Dollars (\$50,000). Nothing in this Section 1.9.4.5 prohibits or limits an Indemnitor’s right to settle or compromise, or consent to entry of judgment in, any action, suit, proceeding or claim against said Indemnitor.

16.4.5 Joinder. Without limiting the rights of any Indemnatee pursuant to this Section 16.4, any Indemnified Entity shall have the right to join and participate in, as a party if it so elects, any suits, actions, or other legal or administrative proceedings that may be brought or instituted against an Indemnified Entity on account of any Indemnified Matter. In any such case, an Indemnified Party may, at its own cost and expense, employ its own legal counsel and consultants to prosecute, negotiate, or defend any claim, action, or cause of action, provided, that such an Indemnified Party shall not, without the prior written consent of the Indemnitor (which consent shall not be unreasonably withheld, conditioned or delayed), settle or compromise any action, suit, proceeding, or claim relating, directly or indirectly, to any Indemnified Matter or consent to the entry of any judgment therein in excess of Fifty Thousand Dollars (\$50,000).

16.5 Releases.

16.5.1 To the maximum extent permitted by applicable law, Contractor hereby expressly releases, remises and discharges forever each of the Indemnified Entities from any and all liabilities, losses, actions, penalties, demands, detriments, claims, damages, costs or judgments which may have been or in the future may be incurred or suffered by Contractor or its property caused or otherwise resulting from the condition or state of repair of, or any defects in, the Maintained Facilities, except (i) as provided in Section 16.3 (with respect to indemnity for Environmental Losses), and (ii) to the extent that such liabilities, losses, actions, penalties, demands, detriments, claims, damages, costs or judgments result directly from the sole negligence or willful misconduct of an employee, agent, contractor, representative or invitee of an Indemnified Entity after the date hereof.

16.5.2 Contractor, after having read and been advised by legal counsel regarding the provisions of California Civil Code Section 1542 and in any and all similar statutes, rules and regulations and any other statute of the United States, hereby agrees, represents and warrants that the matters released in this Section 16.5 are not limited to the matters which are known or disclosed. California Civil Code Section 1542 reads as follows:

A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS OR HER FAVOR AT THE TIME OF EXECUTING A RELEASE WHICH, IF KNOWN BY HIM OR HER MUST HAVE MATERIALLY AFFECTED HIS OR HER SETTLEMENT WITH THE DEBTOR.

16.5.3 Contractor hereby agrees, represents and warrants that it realizes and acknowledges that factual matters now unknown to it may have given or may hereafter give rise to causes of action, claims, demands, controversies, damages, costs, losses and expenses which are presently unknown, unanticipated and unsuspected, and further agrees, represents and warrants that the releases contained in this Section 16.5 have been negotiated and agreed upon in light of that realization and that it nevertheless hereby intends to release and discharge ACTA and the other Indemnified Entities from any such causes of action, claims, demands, controversies, damages, costs, losses and expenses.

Contractor: 

16.6 Interpretation.

16.6.1 Each of the parties hereto hereby agrees that this Agreement is not intended to be, and none shall construe it as, a contract or agreement covered by the provisions of California Civil Code Section 2784.5 (which Section concerns certain hauling, trucking or cartage contracts or agreements).

16.6.2 Contractor hereby agrees that neither Contractor nor any Subcontractor is, and is not intended to be, the agent, servant or independent contractor (as such terms are used in California Civil Code Section 2782) of ACTA, POLA, POLB, BNSF and/or UP. In addition, Contractor agrees that neither it nor any of its agents or representatives shall claim or assert that

the negligence or willful misconduct of Contractor, any Subcontractor, any Railroad or PHL is or should be imputed to ACTA, POLA and/or POLB under any agency or other legal theory, or that the negligence or willful misconduct of Contractor, Subcontractor, ACTA, POLA or POLB is or should be imputed to BNSF, UP and/or PHL under any agency or other legal theory.

16.6.3 Each of the parties hereby waives, to the extent permitted by applicable law, the provisions of California Civil Code Section 2782 (which Section places limitations on indemnifications in certain construction contracts).

ACTA: _____

Contractor: _____

16.7 References to POLA, POLB and ACTA. For purposes of the indemnification and liability provisions of Sections 16.1, 16.2, 16.4, 16.5, 16.6, and 16.8, “POLA” shall include the City of Los Angeles, the Port of Los Angeles and its Board of Harbor Commissioners, “POLB” shall include the City of Long Beach, the Port of Long Beach and its Board of Harbor Commissioners, “ACTA” shall include the ACTA Board of Directors, and the indemnification in favor of each party to this Agreement shall include its respective officers, directors and employees.

16.8 Survival. The provisions of this Article 16 shall survive the expiration or earlier termination of this Agreement.

ARTICLE 17 INSURANCE

17.1 Required Insurance. Prior to commencement of any work under this Agreement, Contractor shall, at its sole cost and expense, purchase and maintain not less than the minimum insurance coverage and limits with the endorsements and deductibles indicated in this Agreement. Such insurance coverage shall be maintained with insurers having a current A.M. Best rating of not less than A-:VII and as described in this Agreement.

17.1.1 Commercial general liability insurance using, or providing coverage at least as broad as, Insurance Services Office (ISO) endorsement form CG 00 01. Limits are subject to review, but in no event less than One Hundred Million Dollars (\$100,000,000) per occurrence and general aggregate. Exact structure and layering of the coverage shall be left to the discretion of Contractor, however, any excess or umbrella policies used to meet limits shall be at least as broad as the underlying coverages and shall otherwise “follow form.” The following provisions shall apply:

(a) Coverage shall provide defense costs payable in addition to policy limits.

(b) Coverage shall contain no contractors’ limitation endorsement limiting the scope of coverage for liability arising from pollution, explosion, collapse or underground property damage nor shall the policy or any applicable endorsements contain any exclusions or limitations of liability under the Federal Employers Liability Act.

(c) Coverage shall include contractually assumed liability for indemnification of a railroad using ISO endorsement form CG 24 17, "Contractual Liability - Railroads" or the equivalent.

17.1.2 Contractor's Pollution Legal Liability Insurance policy (or equivalent) with coverage limits not less than Five Million Dollars (\$5,000,000) each claim in connection with the Services performed under this Agreement. All activities contemplated in this Agreement shall be specifically scheduled on the policy as "covered operations." Such policy shall cover, at a minimum, liability for bodily injury, damage to and loss of use of property, and clean-up costs arising from sudden, accidental and gradual pollution and remediation in connection with the Services under this Agreement. The following provisions shall apply:

(a) The policy shall provide coverage for the hauling of waste from the project site to the final disposal location, including non-owned disposal sites.

(b) Coverage shall be included on behalf of the insured for covered claims arising out of the actions of independent contractors.

(c) If the insured is using Subcontractors, the policy must include work performed "by or on behalf" of the insured.

(d) The policy shall contain no language that would invalidate or remove the insurer's duty to defend or indemnify for claims or suits expressly excluded from coverage. The policy shall specifically provide for a duty to defend on the part of the insurer.

(e) Coverage shall include pollution losses as a result of derailment arising or occurring as a result of Contractor's and/or its Subcontractors' failure to adequately maintain the Maintained Facilities or any other acts or omissions of Contractor or its Subcontractor(s).

17.1.3 Business automobile liability insurance providing a minimum limit of not less than Five Million Dollars (\$5,000,000) each accident, using, or providing coverage at least as broad as, ISO endorsement form CA 00 01. Liability coverage shall apply to all owned, non-owned and hired autos. In the event that the work being performed involves transporting Hazardous Substances, Contractor and/or its Subcontractors shall provide coverage with a limit of Five Million Dollars (\$5,000,000) per accident covering transportation of such materials by the addition to the Business Auto Coverage policy of ISO endorsement form CA 99 48, which amends the pollution exclusion to cover pollutants that are in or upon, being transported or towed by, being loaded onto, or being unloaded from a covered auto. The policy also shall include endorsement form MCS-90. Coverage shall also include contractually assumed liability for indemnification of a railroad using ISO endorsement form CA 20 70, "Contractual Liability - Railroads" or the equivalent.

17.1.4 Workers' compensation insurance as required by statute and employer's liability with limits of at least One Million Dollars (\$1,000,000) policy limit Bodily Injury by disease, One Million Dollars (\$1,000,000) each accident/Bodily Injury and One Million Dollars (\$1,000,000) each employee Bodily Injury by disease. The policy shall include an "alternate employer" endorsement. If and to the extent Contractor or Subcontractor is subject to the Federal

Employers Liability Act, Contractor shall provide coverage through a stand-alone policy or by an endorsement to Contractor's workers compensation policy using National Council on Compensation Insurance endorsement number WC 00 01 04 or the equivalent. Limits shall be no less than Five Million Dollars (\$5,000,000) per accident or disease or coverage may be scheduled under any umbrella or excess liability policy used to satisfy the limits requirements in Section 17.1.1 above.

17.2 Additional Insureds. ACTA, POLA, POLB, BNSF and UP, and their commissions or boards, officers, employees and agents, shall be added to Contractor's commercial general liability and pollution liability policies as additional insureds in respect to liability arising out of Contractor's or Subcontractor's work under this Agreement. For the commercial general liability insurance policy, the required form is Insurance Services Office (ISO) endorsement form CG 20 10 and form CG 20 37 or their respective equivalent with an edition date prior to 2004 or form otherwise acceptable to ACTA.

17.3 Insurance to be Primary. Each insurance policy provided by Contractor in compliance with these requirements shall contain wording or be endorsed to contain wording making it primary insurance as respects to, and not requiring contribution from, any other insurance the Indemnified Entities or additional insureds may possess, including any self-insurance or self-insured retention they may have. Any other insurance the Indemnified Entities or additional insureds may possess shall be considered excess insurance only and shall not be called upon to contribute with Contractor's insurance.

17.4 Separation of Insureds. Coverage under all liability policies shall apply separately to each insured against whom claim is made or suit is brought except with respect to the limits of liability. There shall be no cross liability exclusion precluding coverage for claims or suits by one insured against another. Any failure by Contractor to comply with reporting or other provisions of the policies of insurance required hereunder, including breaches of warranties, shall not affect coverage to the Indemnified Entities or additional insureds.

17.5 Cancellation or Termination of Insurance. Policies shall be endorsed to reflect that no cancellation or material modification of the coverage provided shall be effective until written notice has been given to ACTA at least thirty (30) days prior to the effective date of such modification or cancellation. In the event of non-renewal, written notice shall be given at least thirty (30) days prior to the effective date of non-renewal.

17.6 Verification and Maintenance of Coverage. Proof of compliance consisting of ISO endorsement form CG 20 10 and form CG 20 37 and any other endorsements as may be required by this Agreement and ACORD form 25 certificate of insurance (or equivalent) evidencing all required coverage shall be delivered to ACTA at or prior to execution of this Agreement.

17.7 Failure to Maintain Insurance. A failure by Contractor to maintain the insurance required by this Article 17 shall be a default under this Agreement except as provided in Section 15.1.1, but shall not relieve Contractor of any of its liabilities or obligations under this Agreement. Furthermore, should Contractor fail to maintain the insurance required by this Article 17, in addition to any of ACTA's other remedies under this Agreement, at law or in equity,

ACTA, at its sole option, may purchase any or all of the insurance required by this Article 17 and Contractor, immediately upon demand therefor, shall reimburse ACTA for the full cost of such insurance.

17.8 Changes to Coverage Requirements. ACTA reserves the right at any time during the term of this Agreement to change the amounts and types of insurance required by giving the Contractor sixty (60) days advance written notice of such change. If such change results in additional cost to the Contractor, ACTA will negotiate additional compensation proportional to the increased benefit to ACTA. Any type of insurance or any increase of limits of liability not described in this Agreement which Contractor requires for its own protection or on account of statute shall be its own responsibility and at its own expense.

17.9 Requirements not Limiting. Requirements of specific insurance coverage features described in this Article 17 shall not be construed to be a limitation of the liability on the part of Contractor or any of its Subcontractors, nor to relieve any of them of any liability or responsibility under this Agreement, as a matter of law or otherwise. Such requirements are not intended by any party to be limited to providing coverage for the vicarious liability of ACTA or of the Owner or the Railroads or to their supervisory role, if any. All insurance coverage provided pursuant to this Agreement in any way relating to ACTA, the Owners or the Railroads is intended to apply to the full extent of the policies involved.

17.10 Waiver of Right of Recovery. No liability insurance coverage provided pursuant to this Agreement shall prohibit Contractor, or Contractor's employees or agents, from waiving the right of recovery prior to a loss. Contractor hereby waives any right of recovery against the Indemnitees and agrees to require any Subcontractor to do so as well, and Contractor also shall obtain from its insurers a waiver of any right of recovery against the Indemnitees.

17.11 Agreement Deemed To Commence. For purposes of applying insurance coverage only, this Agreement will be deemed to commence when it is executed by both parties and any activity commences in furtherance of performance under this Agreement.

17.12 No Waiver by ACTA. Contractor acknowledges and agrees that any actual or alleged failure on the part of ACTA, the Owner or the Railroads to inform Contractor of non-compliance with any insurance requirement in no way imposes any additional obligations on ACTA, the Owner or the Railroads nor does it waive any rights hereunder in this or any other regard.

17.13 Priority of Interpretation. The insurance requirements in this Article 17 supersede all other articles and provisions of this Agreement to the extent that any other section or provision conflicts with or impairs the provisions of this Article 17. The insurance requirements set forth in this Article 17 are intended to be separate and distinct from any other provision in this Agreement and are intended to be interpreted as such.

17.14 Undisclosed Coverage Restrictions. Insurance coverage as required herein shall not contain any exclusion or limitation that is not in conformance with this Agreement unless first approved in writing by ACTA.

17.15 Self-Insurance Retentions. Self-insurance will not be considered to comply with these requirements. Any deductible must be approved in writing by ACTA and shall protect ACTA, POLA, POLB, BNSF, UP, and their commissioners, or boards and employees in the same manner and to the same extent as they would have been protected had the policy or policies not contained a deductible or self-insured retention.

17.16 Notice of Claim. Contractor agrees to provide immediate written notice to ACTA of any claim or loss against Contractor arising out of the work performed under this Agreement. ACTA assumes no obligation or liability by such notice, but has the right (but not the duty) to monitor the handling of any such claim or claims if they are likely to involve ACTA, the Owner or the Railroads or any of the Indemnified Entities.

17.17 Insurance for Subcontractors. Contractor agrees to require all Subcontractors or other parties hired under this Agreement to provide the same types of insurance as required of Contractor unless otherwise agreed to by ACTA, except that the coverage limits with respect to the liability insurance policies described in Section 17.1 shall be Five Million Dollars (\$5,000,000). The Subcontractor's general liability insurance shall add as additional insureds all parties identified in Section 17.2 using ISO endorsement form CG 20 10 and form CG 20 37. Additional insured status shall include coverage for completed operations. Contractor agrees to obtain certificates evidencing such coverage and make reasonable efforts to ensure that such coverage is provided as required hereby.

17.18 Supply Copies of Insurance Policies. Contractor shall provide to ACTA a copy of the insurance policies issued pursuant to this Article 17. Contractor shall provide to ACTA a copy of the insurance policies issued pursuant to Section 17.17 in connection with the Services performed by all Subcontractors or other parties hired under this Agreement. Contractor agrees to require all Subcontractors or other parties hired under this Agreement to comply with the requirements of this Section 17.18.

ARTICLE 18 CASUALTY

18.1 No Requirement to Repair. None of ACTA, Owner or Railroads shall have any obligation to repair or replace damage to the Maintained Facilities caused by a Force Majeure Event unless insurance proceeds are available to make such repairs or replacement. In furtherance of the foregoing, ACTA shall be entitled immediately and unilaterally to remove from service any portion of the Maintained Facilities, without liability to Contractor (other than for amounts due for Services performed prior to the Force Majeure Event), which are damaged or destroyed as a result of a Force Majeure Event. In such event, solely as between ACTA and Contractor, ACTA shall be responsible for (and shall pay all costs associated with) obtaining any governmental approvals or exemptions that may be necessary in connection with any such removal from service. Nothing in this Section 18.1 shall limit ACTA's right to remove from service any Maintained Facilities damaged by a Force Majeure Event under Section 18.2, regardless of the availability of insurance proceeds to make necessary repairs or replacements. In no event shall ACTA, Owner, the Railroads or Contractor have any liability to each other for injury to persons or damage to any property resulting from a Force Majeure Event.

18.2 Termination for Force Majeure. If ACTA determines, in its sole discretion, that damage caused by a Force Majeure Event to all or any material portion of the Maintained Facilities renders continuation of Contractor's Services under this Agreement impracticable, and if ACTA determines not to repair or restore the affected portion of the Maintained Facilities, ACTA shall be entitled, unilaterally, to terminate this Agreement with respect to all of the Maintained Facilities by written notice to Contractor, provided, that such notice must be given within one-hundred and twenty (120) days after the occurrence of the Force Majeure Event. Contractor shall not be held in breach of its obligations under this Agreement to the extent such a breach arises solely as a direct result of ACTA's termination as a result of a Force Majeure Event. In such event, as between ACTA and Contractor, ACTA shall be responsible for obtaining any governmental approvals or exemptions that may be necessary in connection with any such removal from service. This Agreement shall be deemed terminated on the later of (a) the date on which such notice is delivered or (b) the date on which the regulatory approvals or exemptions necessary to terminate this Agreement have been obtained, provided, that Contractor shall have ninety (90) days after the effective date of termination to wind up its affairs and to remove its property from the Maintained Facilities. In the event that Contractor is terminated pursuant to this Section 18.2, Contractor shall submit a proposed termination statement to ACTA (no later than ten (10) days following notice to Contractor) which shall include (1) all amounts owed to Contractor or any Subcontractor for Services performed through the termination date; (2) termination payments, if any, contractually owed by Contractor to Subcontractors and/or vendors as a direct result of the termination of such Services; provided, however, that (i) ACTA previously authorized and directed Contractor to perform such Services, and (ii) such termination payments, if any, are a reasonable approximation of the damages incurred by Subcontractors and/or vendors as a direct result of the termination of such Services; and (3) reasonable costs incurred by Contractor to comply with ACTA's written directions in connection with the termination, including demobilization costs, if any. In no event shall ACTA be obligated to pay for lost profits or other consequential damages resulting from any such termination. ACTA shall pay such termination statement in accordance with and subject to the provisions of Section 5.6.

ARTICLE 19

REPRESENTATIONS AND WARRANTIES

19.1 Representations and Warranties of ACTA. ACTA represents and warrants to Contractor that it is fully authorized to enter into this Agreement and that this Agreement is binding and enforceable against it and its respective successors and assigns, in accordance with the terms of this Agreement.

19.2 Representations and Warranties of Contractor. Contractor represents and warrants to ACTA that it is fully authorized to enter into this Agreement and that this Agreement is binding and enforceable against it and its respective successors and assigns, in accordance with the terms of this Agreement.

ARTICLE 20 DISPUTE RESOLUTION

20.1 Written Notice and Good Faith Efforts. In the event of a claim or dispute arising out of this Agreement, the disputing parties, which may include POLA, POLB, BNSF and UP, as well as ACTA and Contractor, shall notify in writing the other party(ies) of the dispute and thereafter the parties shall make good faith efforts to resolve the dispute through negotiation. If the relevant parties so agree, they may involve a disinterested person or persons experienced in railroad operations or financial matters (such as an accountant), if appropriate, to render his or her objective advice and opinion, which advice and opinion shall be advisory only and not binding unless the relevant parties agree in writing to be bound by his or her judgment in a particular instance.

20.2 Superior Court Filing. If for any reason the dispute is not resolved within thirty (30) days after notice of the dispute as provided above, a party may file an action and pursue available legal remedies in the Superior Court for the State of California, County of Los Angeles.

20.3 Public Contract Code. Notwithstanding the foregoing, if any claim or dispute involves a Claim as defined in Public Contract Code Section 9204, then such Claim shall be resolved in accordance with the provisions of Public Contract Code Section 9204, as may be amended from time to time. The provisions of Public Contract Code Section 9204, as in effect on the Commencement Date hereof, are set forth in Exhibit 5.

ARTICLE 21 NOTICES

21.1 Written Notification. All notices and other communications under this Agreement shall be in writing and shall be deemed to have been duly given (a) on the date of delivery, if delivered personally to the party to whom notice is given, or if made by telecopy directed to the party to whom notice is to be given at the telecopy number listed below and receipt has been confirmed either telephonically or by facsimile, or (b) on receipt, if mailed to the party to whom notice is to be given by overnight courier or first class mail, registered or certified, return receipt requested, postage prepaid and properly addressed as follows:

Contractor: RailWorks Track Services, Inc.
12740-B Lakeland Road
Santa Fe Springs, CA 90670
Attention: Charles Chapman, Senior Project Manager
Telecopy No. (562) 698-0066
Confirmation No. (562) 356-3350

ACTA: Alameda Corridor Transportation Authority
3760 Kilroy Airport Way, Suite 200
Long Beach, CA 90806
Attention: Chief Executive Officer
Telecopy No. (562) 247-7090
Confirmation No. (562) 247-7070

Owner:

POLA:

Port of Los Angeles
425 South Palos Verdes Street
San Pedro, California 90733
Attn: Executive Director
Telecopy No. (310) 732-0291
Confirmation No. (310) 732-3456

POLB:

Port of Long Beach
4801 Airport Plaza Drive
Long Beach, California 90815
Attn: Executive Director
Telecopy No. (562) 283-7067
Confirmation No. (562) 283-7097

Railroads:

BNSF:

BNSF Railway Company
2500 Lou Menk Drive
AOG – Garden Level
Fort Worth, Texas 76131
Attn: Assistant Vice President - Contracts and Joint Facilities (with
a copy to Director - Contracts and Joint Facilities)
Telecopy No. (817) 352-7219
Confirmation No. (817) 352-4933

UP:

Union Pacific Railroad Company
1400 Douglas Street – Stop 1160
Omaha, Nebraska 68179
Attn: Executive Vice President of Operations (with a copy to
Director-Joint Facilities)
Telecopy No. (402) 501-0318
Confirmation No. (402) 544-0046

21.2 Address or Addressee Changes. Any party hereto may change its address or addressee to which notices are to be given by providing written notice of the change to the other parties. Wherever in this Agreement Contractor is required to deliver a notice, document, report or other matter to the Owner and the Railroads, such delivery shall be made to each of POLA, POLB, BNSF and UP at the addresses specified above.

ARTICLE 22 MISCELLANEOUS

22.1 Severability. Each provision of this Agreement shall be interpreted so as to be effective and valid under applicable law to the fullest extent possible. However, if any provision contained herein shall for any reason be held invalid, illegal or unenforceable in any respect, then, in order to effect the purposes of this Agreement it shall be construed as if such provision had never been contained herein.

22.2 Assignment; Agreement Binding on Successors and Assigns.

22.2.1 Assignment.

(a) Consistent with and subject to the terms and conditions of the Operating Agreement, (i) ACTA may assign all or a portion of this Agreement, and its rights and obligations hereunder, to Owner or to another entity which acquires all of the Rail Corridor or which is designated by Owner to operate the Rail Corridor, and (ii) Owner and each of the Railroads may sell, transfer or encumber all or any portion of the Rail Corridor or their rights or interest (if any) therein.

(b) Contractor may not assign or delegate its duties and obligations under this Agreement without the prior written consent of and notice to ACTA, which consent may be given or withheld by ACTA. Notwithstanding the preceding sentence, Contractor may employ Subcontractors, subject to the prior approval of ACTA, to perform specific duties of Contractor hereunder under a subcontract entered into in the normal course solely for performance of some, but not all, of Contractor's duties hereunder. Any such contract shall also include a provision that Subcontractor agrees to perform its work in accordance with the standards and obligations established by this Agreement. With respect to any Services provided by a Subcontractor, Contractor remains primarily liable to ACTA for fulfillment of all obligations stated in this Agreement (including the obligations stated in Article 16).

22.2.2 Binding Agreement. Subject to the restrictions on assignment set forth in this Agreement, this Agreement shall be binding upon and shall inure to the benefit of Contractor and ACTA, their respective successors and assigns.

22.3 Amendments. No modifications, amendments or changes herein or hereof shall be binding upon any party unless set forth in a document, duly executed and delivered by all parties. No provision of this Agreement shall be waived except by an instrument in writing signed by the party to be charged with such waiver.

22.4 Recordation and Termination. Without the prior written consent of all parties hereto, no party may record this Agreement. Upon termination of the rights granted to Contractor hereunder, Contractor shall execute, acknowledge and deliver to ACTA a copy of any appropriate instrument or instruments evidencing the termination.

22.5 Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and

the same instrument. The signature page of any counterpart may be detached therefrom without impairing the legal effect of the signature(s) thereon provided such signature page is attached to any other counterpart identical thereto except having additional signature pages executed by other parties to this Agreement attached thereto.

22.6 Third Party Beneficiaries. It is the intent of each party to this Agreement that each provision of this Agreement inure to the benefit of the parties hereto as well as to the benefit of POLA, POLB, BNSF and UP and the permitted successors and assignees of each of them, and shall not inure to the benefit of any other person or entity (including any governmental or quasi-governmental agency or authority). Contractor acknowledges that POLA, POLB, BNSF and UP are express third party beneficiaries of this Agreement and that POLA, POLB, BNSF and UP, together or individually, may sue Contractor directly or demand dispute resolution for any breach of this Agreement.

22.7 Effect of Agreement. All negotiations relative to the matters contemplated by this Agreement (including negotiations of matters described in the Request for Proposals issued by ACTA) are merged herein and there are no other understandings or agreements relating to the matters and things herein set forth other than those incorporated in this Agreement or agreements expressly referenced in this Agreement or the documents executed in connection herewith.

22.8 Waiver. The failure of any party at any time or times to require performance of any provision hereof shall in no manner affect the right at a later time to enforce the same. No waiver by any party of any condition, or of any breach of any term, covenant, representation, or warranty contained herein, in any one or more instances, shall be deemed to be or construed as a further or continuing waiver of any such condition or breach or waiver of any other condition or of any breach of any other term, covenant, representation or warranty.

22.9 Time of Essence. With respect to the performance by Contractor under this Agreement, time is of the essence.

22.10 Governing Law; Forum.

22.10.1 THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF CALIFORNIA, WITHOUT REFERENCE TO THE CONFLICTS-OF-LAW RULES AND PRINCIPLES OF SUCH STATE.

22.10.2 THE PARTIES HERETO AGREE THAT ALL ACTIONS, SUITS, PROCEEDINGS, CLAIMS RELATED TO THIS AGREEMENT AND THE TRANSACTIONS CONTEMPLATED HEREBY (INCLUDING ANY APPEALS OF OR CHALLENGES TO ANY DISPUTE RESOLUTION PROCEEDING UNDER ARTICLE 20) MUST BE BROUGHT, FILED, PROSECUTED AND DEFENDED IN THE SUPERIOR COURT FOR THE STATE OF CALIFORNIA, COUNTY OF LOS ANGELES.

22.11 Incorporation of Exhibits. The exhibits attached hereto are incorporated herein by reference. In the event of any inconsistency between the exhibits and the body of this Agreement, the body of this Agreement shall govern.

22.12 Incorporation of Request for Proposals. Section 2.0 (Rail Corridor Description) and Section 3.0 (Scope of Services) and each Appendix to the Request for Proposals (except Appendices A, O and Q) are incorporated herein by reference. The Request for Proposals is attached hereto as Exhibit 7. Contractor acknowledges and agrees to perform the Services as described therein, provided that in the event of any inconsistency between any provision in the Request for Proposals and this Agreement, the provision most favorable to ACTA shall control.

22.13 Construction. The language in all parts of this Agreement shall be in all cases construed simply according to its fair meaning and not strictly for or against any of the parties hereto. Section headings of this Agreement are solely for convenience of reference and shall not govern the interpretation of any of the provisions of this Agreement. References to “Sections” or “Articles” are to Sections or Articles of this Agreement and references to “Exhibits” are to Exhibits attached hereto, unless otherwise specifically provided.

22.14 No Relocation Assistance. Contractor understands and agrees that nothing contained in this Agreement shall create any right in Contractor for relocation assistance or payment upon expiration or termination of this Agreement except as otherwise stated in this Agreement. Contractor acknowledges and agrees that it shall not be entitled to relocation assistance or payment pursuant to the provisions of Title 1, Division 7, Chapter 16, of the Government Code of the State of California (Sections 7260 *et seq.*) or any similar statute with respect to any relocation of its business or activities upon the expiration or termination of this Agreement except as otherwise stated in this Agreement. In consideration of the rights given Contractor under this Agreement, Contractor expressly waives any relocation assistance which such statutes or any future statutes may allow.

22.15 Non-discrimination. Contractor shall not discriminate in its employment practices against any employee or applicant for employment because of the employee’s or applicant’s race, color, religion, national origin, ancestry, sex, age, disability, sexual orientation, AIDS, HIV status, physical handicap or veteran status. All assignments and transfers of interest permitted pursuant to this Agreement, and all contracts or subcontracts entered into by Contractor with respect to the Maintained Facilities, shall contain this provision.

22.16 Public Works Contract. For the purpose of this Agreement, the Rail Corridor and the Non-Rail Components shall be deemed “public works” pursuant to California Labor Code Section 1720 *et seq.* and, as such, the parties shall comply with all applicable provisions of the California Labor Code and Title 8 of the California Code of Regulations Section 16000 *et seq.*

22.17 Small Business Enterprise (SBE) Participation. For the purpose of this Agreement, Contractor shall meet the level of participation for certified SBE subcontractors and vendors/suppliers contained in Exhibit 6, and comply with the other requirements therein, such as utilization, substitution, amendments to the scope of Services, compliance submissions, and monitoring.

22.18 Conflict of Interest. It is hereby understood and agreed that the parties to this Agreement have read and are aware of the provisions of Section 1090 *et seq.* and Section 87100 *et seq.* of the California Government Code relating to conflict of interest of public officers and employees. All parties hereto agree that they are unaware of any financial or economic interest of

any public officer or employee of the City of Los Angeles or the City of Long Beach relating to this Agreement. Notwithstanding any other provision of this Agreement, it is further understood and agreed that if such a financial or economic interest does exist at the inception of this Agreement, ACTA may immediately terminate this Agreement without payment of any termination fee as provided herein or any other liability therefor by giving written notice thereof. Any termination fee which would otherwise be payable hereunder shall be paid by the party who failed to disclose the financial or economic interest.

22.19 Further Assurances. Each party shall execute all such instruments and documents and shall take in good faith all such actions as are reasonably necessary to carry out the provisions of this Agreement.

22.20 Transfer to Contractor of Certain Regulatory Obligations. To the maximum extent legally possible, ACTA intends to transfer to Contractor any maintenance, inspection and repair obligations that ACTA may have under applicable federal or state regulations with respect to the Maintained Facilities, including the requirements contained in 49 CFR § 213.5. Contractor accepts such transfer and shall fully cooperate with ACTA in the preparation and filing of any necessary applications with respect thereto. Upon any termination of this Agreement, Contractor shall execute such documents and instruments as may be necessary to transfer such responsibilities to another party designated by ACTA.

22.21 Taxpayer Identification Number. Contractor declares that it has an authorized taxpayer identification number which shall be provided to ACTA prior to payment under this Agreement. No payments will be made to Contractor under this Agreement without a valid taxpayer identification number.

[SIGNATURES ON NEXT PAGE]

IN WITNESS WHEREOF, the parties to this Agreement have duly executed it as of the day and year first above written.

“CONTRACTOR”

RAILWORKS TRACK SERVICES, INC,
an Indiana corporation

By: _____
Name: _____
Its: _____

“ACTA”

**ALAMEDA CORRIDOR
TRANSPORTATION
AUTHORITY**, a Joint Powers Authority

Approved as to form this ____ day of
_____, 2019:

By: _____
Name: John T. Doherty
Its: Chief Executive Officer

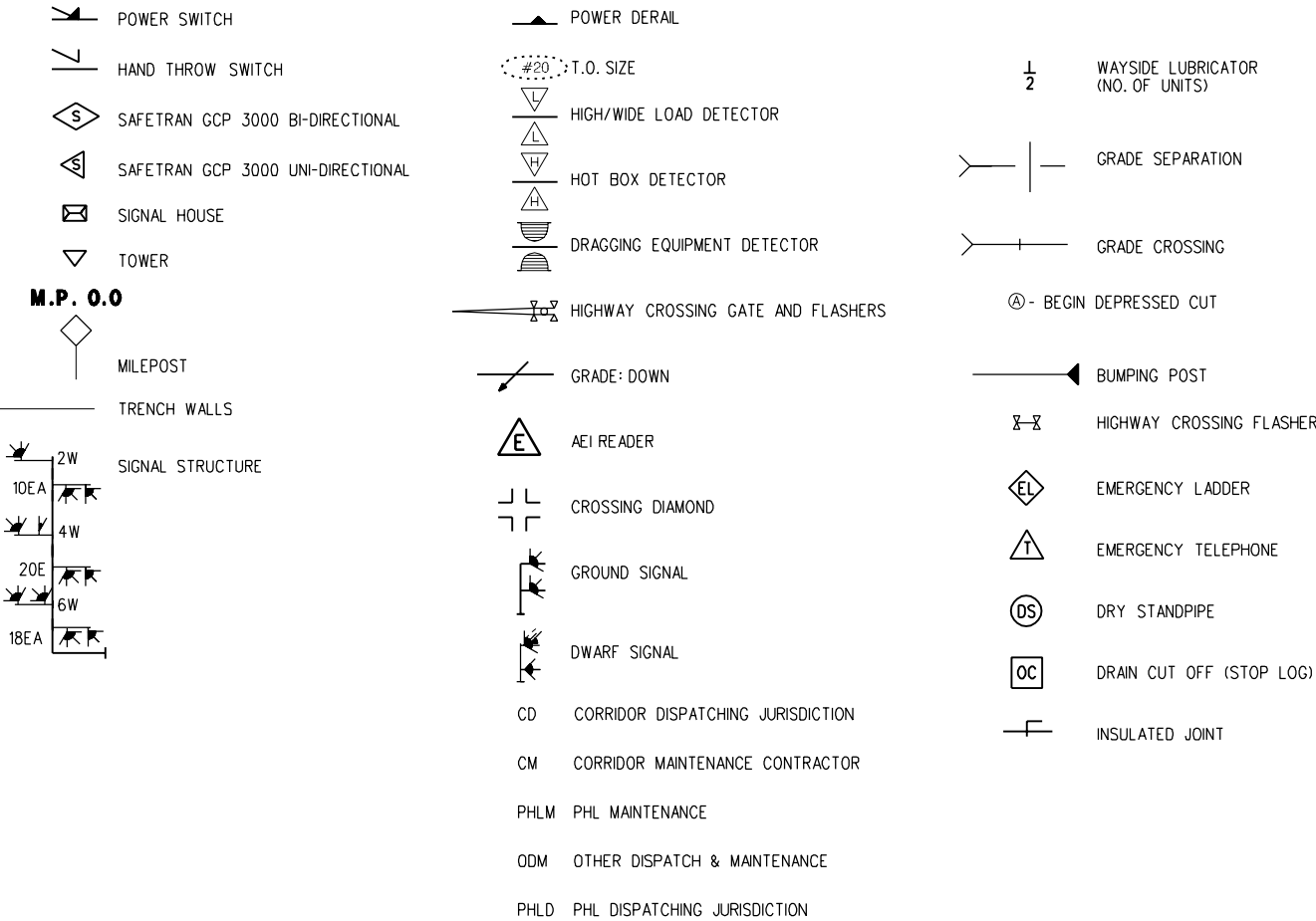
By: _____
Name: Lauren Misajon
Its: Co-General Counsel

EXHIBIT 1

**MAP OF RAIL CORRIDOR
AND
MAINTAINED FACILITIES**

Page intentionally left blank.

LEGEND:



NOTES:

SIGNAL SPACING AND BLOCK LENGTHS ARE SHOWN FOR REFERENCE ONLY.

DIVISION OF MAINTENANCE AND DISPATCHING IS THE SIGNAL AND INSULATED JOINT CONTROLLING THE CONTROL POINT AS SHOWN.

AEI READERS, INCLUDING THOSE SHOWN OUTSIDE THE MAINTENANCE LIMITS OF THE CORRIDOR MAINTENANCE CONTRACTOR, ARE TO BE MAINTAINED BY CORRIDOR MAINTENANCE OPERATOR.

SPEEDS SHOWN ARE DESIGN SPEEDS. OPERATING SPEEDS MAY BE DIFFERENT.

REFER TO TRACK CHART OF CONTROLLING RAILROAD FOR INFORMATION ON NON-ACTA TRACKS.

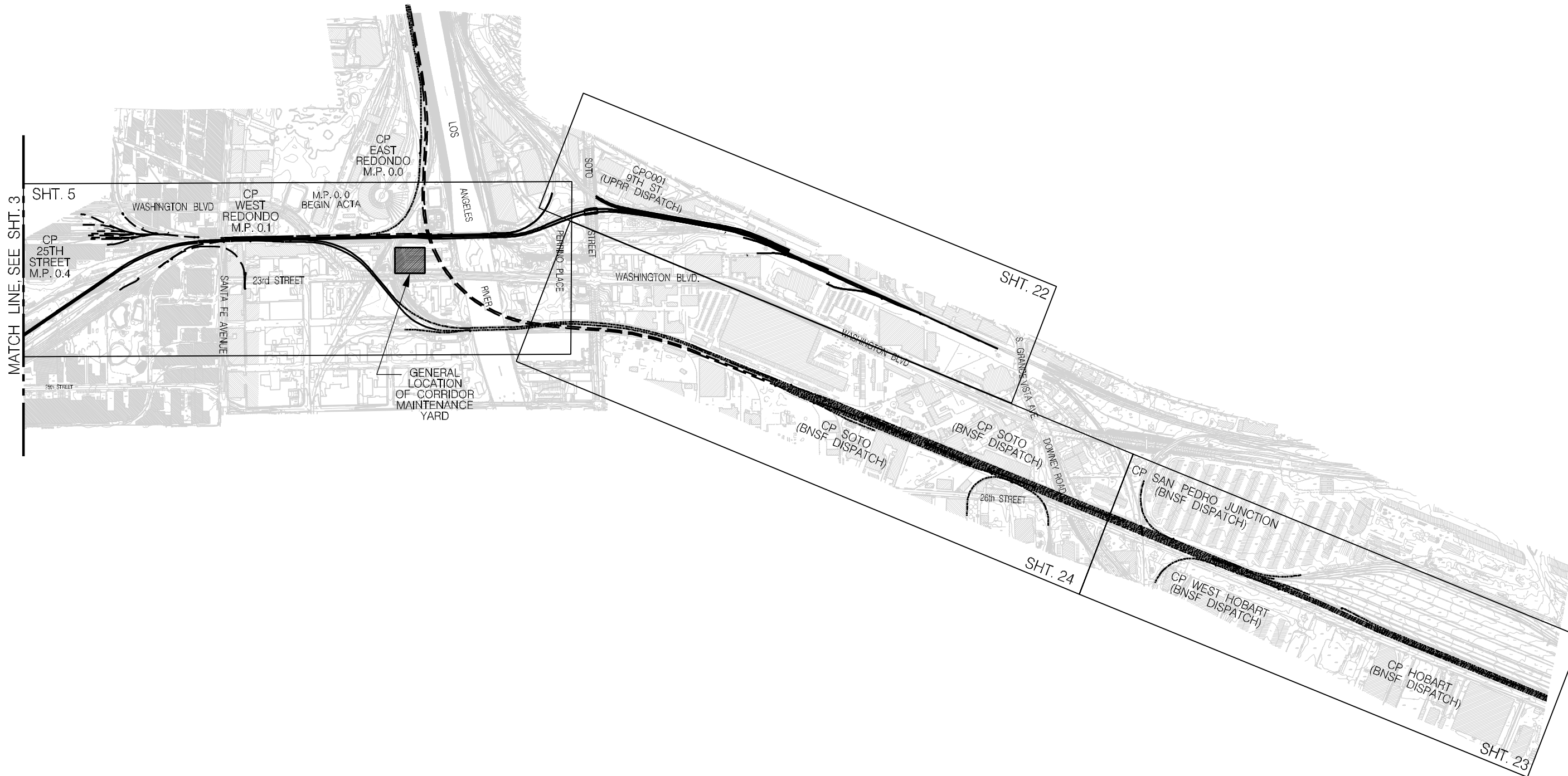
TRACK NOTES:

- (1) ACTA MAIN TRACKS WITHIN CP EAST REDONDO BETWEEN M.P.O.0 AND THE EASTERN LIMITS OF THE CONTROL POINT ARE TO BE MAINTAINED BY THE CORRIDOR MAINTENANCE CONTRACTOR AND PAID FOR SEPARATELY BY THE UPRR.
- (2) ACTA MAIN TRACKS WITHIN CP EAST REDONDO BETWEEN M.P.O.0 AND THE 16W AND 18W SIGNALS ON THE BNSF CONNECTOR TRACKS LIMITS ARE TO BE MAINTAINED BY THE CORRIDOR MAINTENANCE CONTRACTOR AND PAID FOR SEPARATELY BY THE BNSF.
- (3) BOUNDARY OF CORRIDOR DISPATCHER AND CORRIDOR MAINTENANCE CONTRACTOR RESPONSIBILITIES (RESPONSIBILITY REMAINS WITH SUCH ENTITIES THROUGH AND INCLUDING THE FIRST SIGNAL OFF OF THE RAIL CORRIDOR).

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

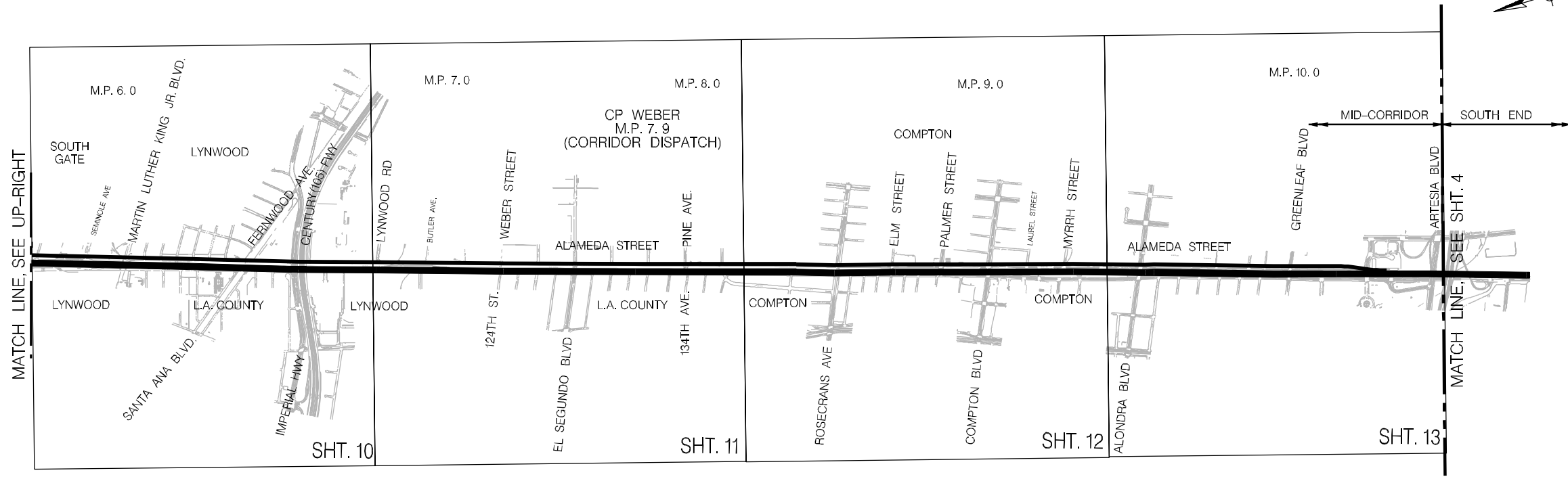
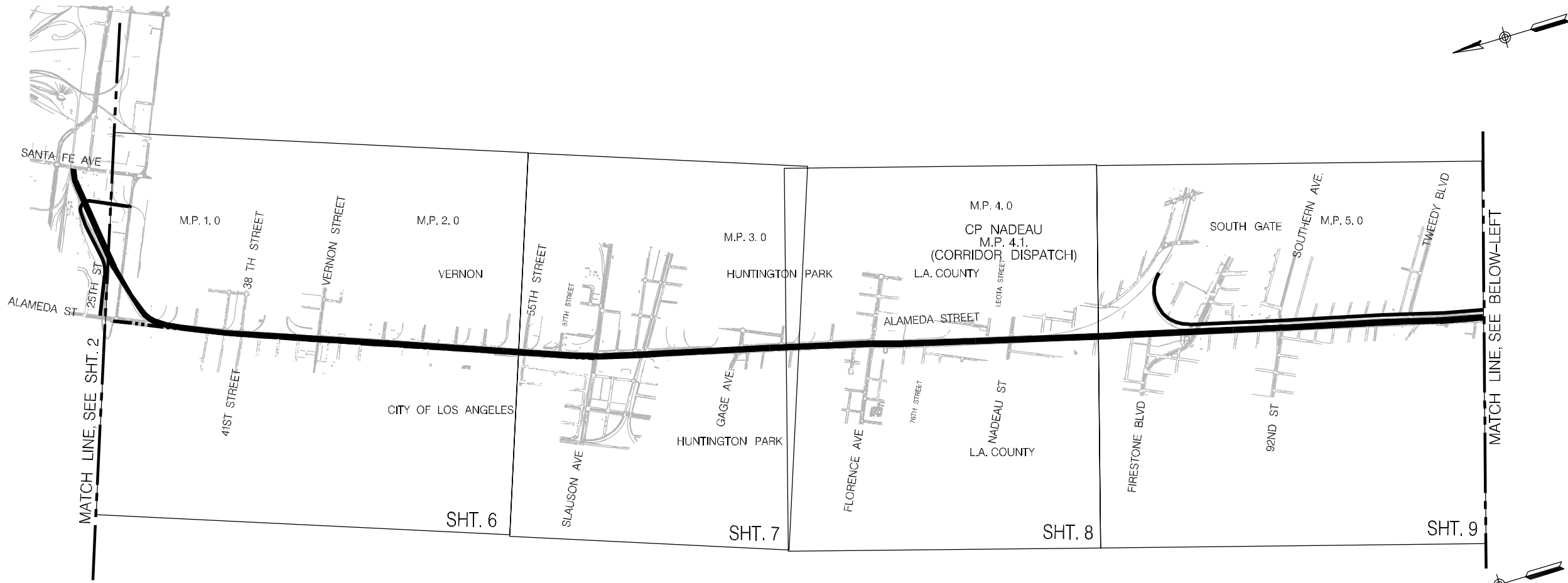


APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

h:\acct\trk\sig\dc\rr-agree\rev \rr002.plg 08 AUG 2006 15:45:04 USER=steth



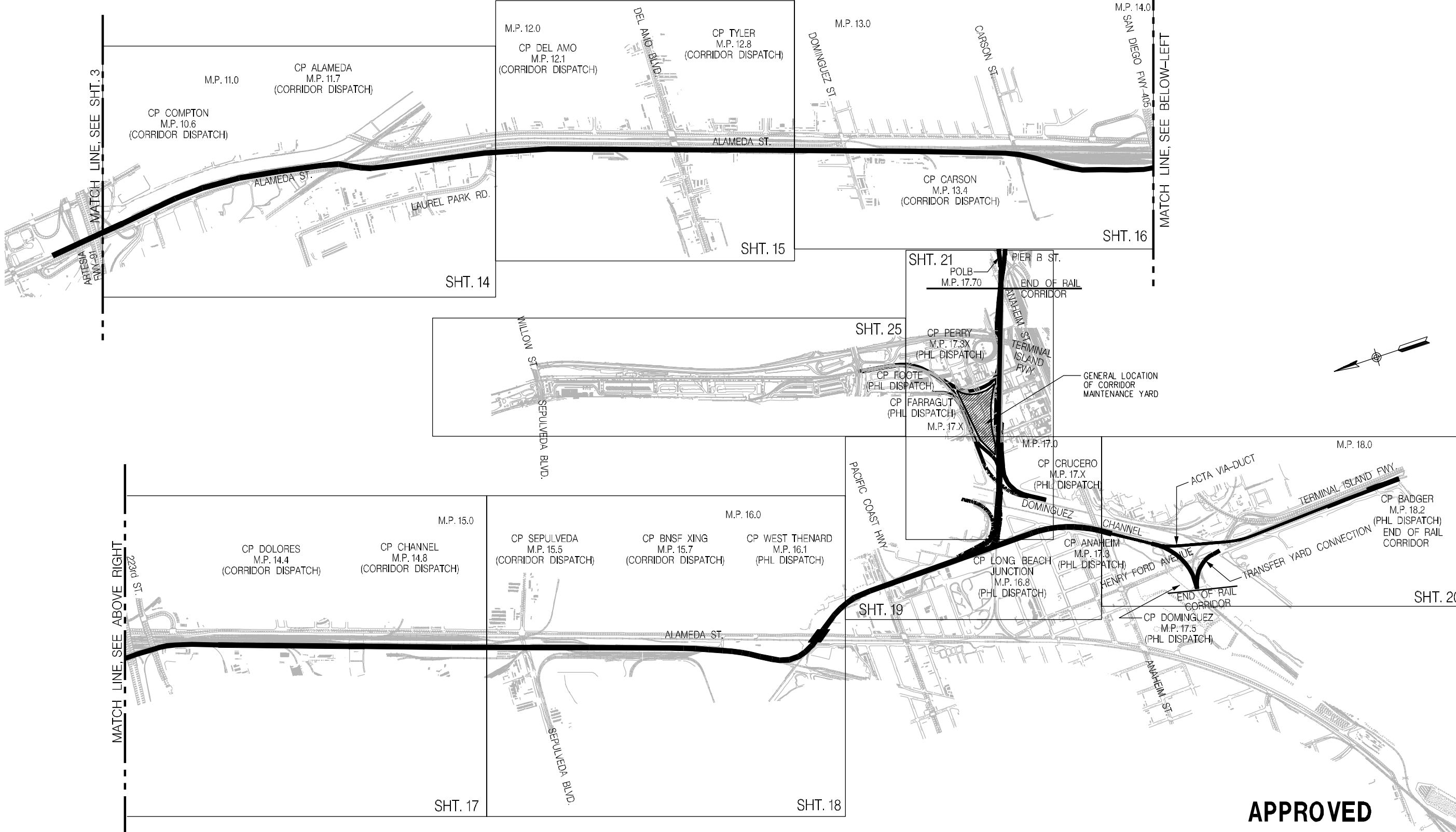
APPROVED

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

08 AUG 2006 15:45:20 h:\acct\trk\sig\dc\trr-agree\rev r\ra0003.plg USER=sheth

MID-CORRIDOR SOUTH END



APPROVED

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SHOWN

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

h:\ace\trk\sig\dc\rr-agree\rev r\rr004.plg 08 AUG 2006 15:45:38 USER=sheth

RAILROAD WEST
(TOWARDS THE PORTS)

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)

MAINLINE 2

MAINLINE 2

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

4042
0° 34' 23"
50'
171.74'

4032
0° 34' 23"
50'
171.74'

4022
0° 09' 00"
0'
1621.73'

4012
4° 50' 00"
205'
976.58'

40 MPH

35 MPH
MAXIMUM SPEED

RAIL
SURFACE
TIES

136 RE CWR 2002
2002
CONCRETE

RAIL
SURFACE
TIES

M.P. 2.0

M.P. 1.0

SEE SHT. 7

SEE SHT. 5

MATCH LINE

MATCH LINE

WILMINGTON BRANCH UPRR DISPATCH & MAINTENANCE

MAINLINE 1

MAINLINE 2

MAINLINE 3

MAINLINE 1

MAINLINE 2

MAINLINE 3

*41
EL
OS
OC
T
M.P.
1.86

*42
EL
OS
OC
T
M.P.
1.67

*43
EL
OS
OC
T
M.P.
1.48

*44
EL
OS
OC
T
M.P.
1.30

*45
EL
OS
OC
T
M.P.
1.20

M.P. 1.07
EL
OS
OC
T
*46

M.P. 0.79
EL
OS
OC
T
*47

TRENCH WALLS

SUSPENDED
SIGNALS

SUSPENDED
SIGNALS

UPRR DRILL TRACK
UPRR DISPATCH
AND MAINTENANCE

UPRR NORTHERLY
DRILL TRACK

38TH ST.

VERNON
WAREHOUSE

27TH ST.

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/02	CN	DAS	DAS	TRACK, SIGNALS AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY



ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffett & Nichol Engineers
Jenkins-Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

EXHIBIT A

CONTRACT NO.	
DRAWING NO.	EXHIBIT A
SCALE	HORIZ 1"=500' VERT N.T.S.
SHEET NO.	6

RAILROAD WEST
(TOWARDS THE PORTS)

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)

MAINLINE 2

MAINLINE 2

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

4062
0° 34' 23"
50'
128.80'

4052
0° 45' 00"
165'
826.49'

40 MPH

MAXIMUM SPEED

RAIL
SURFACE
TIES

136 RE CWR 2002
2002
CONCRETE

RAIL
SURFACE
TIES

M.P. 3.0

SEE SHT. 8

SEE SHT. 6

MATCH LINE

MATCH LINE

M.P. 3.18

M.P. 3.02

M.P. 2.82

M.P. 2.62

MAINLINE 1

MAINLINE 1

MAINLINE 2

MAINLINE 2

MAINLINE 3

MAINLINE 3

ZOE PUMP
STATION

ZOE AVE.

GAGE AVE

SUSPENDED
SIGNALS

RANDOLPH ST.
UPRR LA HABRA SUB
TO LA HABRA
UPRR DISPATCH
& MAINTENANCE

SLAUSON AVE.
BNSF HARBOR SUB
TO HOBART YARD
BNSF DISPATCH
& MAINTENANCE

55TH ST.

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY



ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffett & Nichol Engineers
Jenkins Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

EXHIBIT A

CONTRACT NO.	
DRAWING NO.	EXHIBIT A
SCALE	HORIZ 1"=500' VERT N.T.S.
SHEET NO.	7

RAILROAD WEST
(TOWARDS THE PORTS)

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)

MAINLINE 2

MAINLINE 2

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

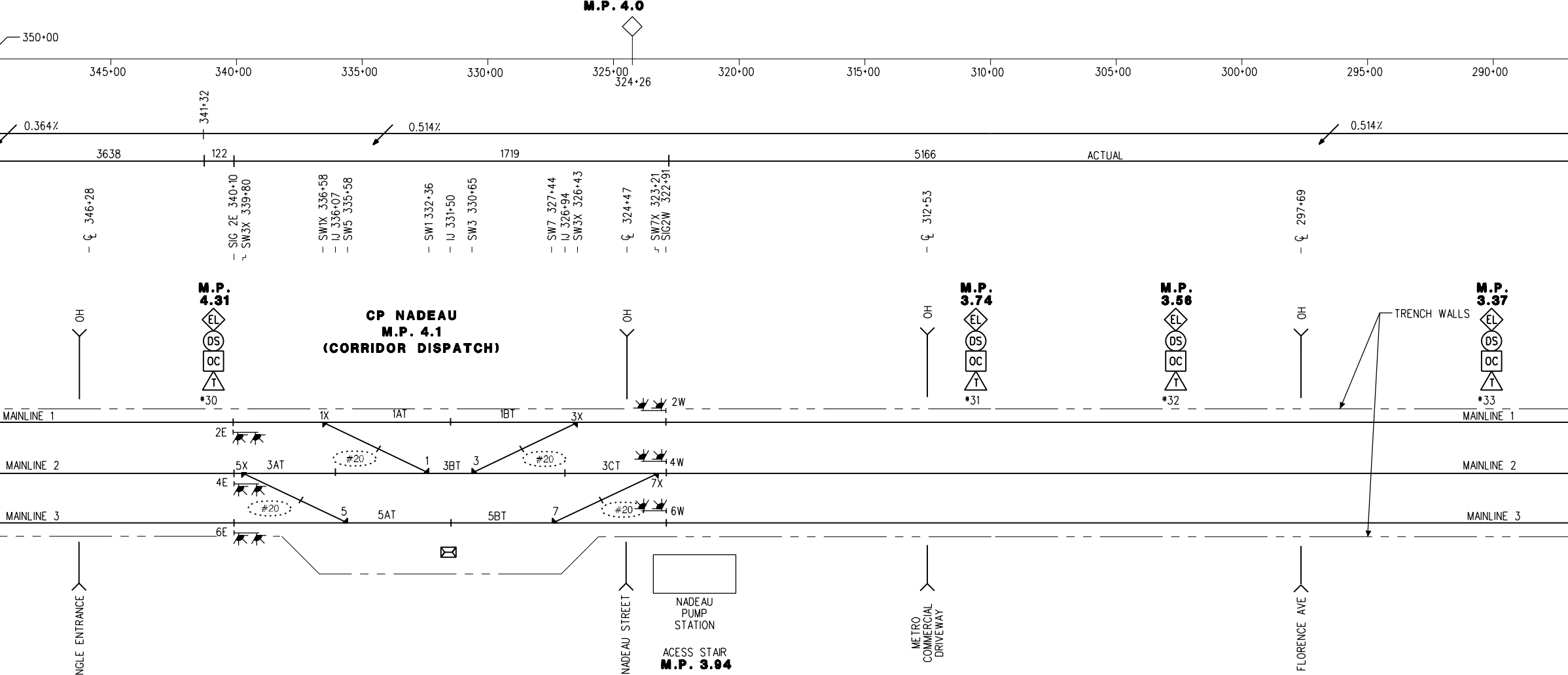
MAXIMUM SPEED	40 MPH	
RAIL	136 RE CWR 2002	RAIL
SURFACE	2002	SURFACE
TIES	CONCRETE	TIES

SEE SHT. 9

SEE SHT. 7

MATCH LINE

MATCH LINE



APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

x

x

x - -

x

x

RAILROAD WEST
(TOWARDS THE PORTS)

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)

MAINLINE 2

MAINLINE 2

4092
0° 09' 00"
0
1947.78'

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

MAXIMUM SPEED

40 MPH

MAXIMUM SPEED

RAIL
SURFACE
TIES

136 RE CWR 2002
2002
CONCRETE

RAIL
SURFACE
TIES

M.P. 5.0

SEE SHT. 10

MATCH LINE

SEE SHT. 8

MATCH LINE

M.P. 5.64

M.P. 5.47

M.P. 5.28

M.P. 5.09

M.P. 4.90

M.P. 4.71

M.P. 4.52

EL
DS
OC
T

EL
DS
OC
T

EL
DS
OC
T

EL
DS
OC
T

EL
DS
OC
T

EL
DS
OC
T

EL
DS
OC
T

*23

*24

*25

*26

*27

*28

*29

MAINLINE 1

MAINLINE 1

MAINLINE 2

MAINLINE 2

MAINLINE 3

MAINLINE 3

TWEEDY
BLVD

SUSPENDED
SIGNALS

UPRR DISPATCH
& MAINTENANCE

92ND ST

BUDWEISER
WESTSIDE DISTRIBUTOR
LEAD

UPRR SANTA ANA
BY-PASS TRACK - AT GRADE

FIRESTONE
BLVD

HON
ENTRANCE
TO SANTA ANA
BRANCH

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY



ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffett & Nichol Engineers
Jenkins Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

EXHIBIT A

CONTRACT NO.	
DRAWING NO.	EXHIBIT A
SCALE	HORIZ 1"=500' VERT N.T.S.
SHEET NO.	9

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

4092
0°09'00"
0
1947.78'

CURVE NUMBER	DEGREE	CURVE LENGTH	SPIRAL LENGTH	CURVE
1	10.00	100.00	10.00	100.00
2	10.00	100.00	10.00	100.00
3	10.00	100.00	10.00	100.00
4	10.00	100.00	10.00	100.00
5	10.00	100.00	10.00	100.00
6	10.00	100.00	10.00	100.00
7	10.00	100.00	10.00	100.00
8	10.00	100.00	10.00	100.00
9	10.00	100.00	10.00	100.00
10	10.00	100.00	10.00	100.00
11	10.00	100.00	10.00	100.00
12	10.00	100.00	10.00	100.00
13	10.00	100.00	10.00	100.00
14	10.00	100.00	10.00	100.00
15	10.00	100.00	10.00	100.00
16	10.00	100.00	10.00	100.00
17	10.00	100.00	10.00	100.00
18	10.00	100.00	10.00	100.00
19	10.00	100.00	10.00	100.00
20	10.00	100.00	10.00	100.00
21	10.00	100.00	10.00	100.00
22	10.00	100.00	10.00	100.00
23	10.00	100.00	10.00	100.00
24	10.00	100.00	10.00	100.00
25	10.00	100.00	10.00	100.00
26	10.00	100.00	10.00	100.00
27	10.00	100.00	10.00	100.00
28	10.00	100.00	10.00	100.00
29	10.00	100.00	10.00	100.00
30	10.00	100.00	10.00	100.00
31	10.00	100.00	10.00	100.00
32	10.00	100.00	10.00	100.00
33	10.00	100.00	10.00	100.00
34	10.00	100.00	10.00	100.00
35	10.00	100.00	10.00	100.00
36	10.00	100.00	10.00	100.00
37	10.00	100.00	10.00	100.00
38	10.00	100.00	10.00	100.00
39	10.00	100.00	10.00	100.00
40	10.00	100.00	10.00	100.00
41	10.00	100.00	10.00	100.00
42	10.00	100.00	10.00	100.00
43	10.00	100.00	10.00	100.00
44	10.00	100.00	10.00	100.00
45	10.00	100.00	10.00	100.00
46	10.00	100.00	10.00	100.00
47	10.00	100.00	10.00	100.00
48	10.00	100.00	10.00	100.00
49	10.00	100.00	10.00	100.00
50	10.00	100.00	10.00	100.00
51	10.00	100.00	10.00	100.00
52	10.00	100.00	10.00	100.00
53	10.00	100.00	10.00	100.00
54	10.00	100.00	10.00	100.00
55	10.00	100.00	10.00	100.00
56	10.00	100.00	10.00	100.00
57	10.00	100.00	10.00	100.00
58	10.00	100.00	10.00	100.00
59	10.00	100.00	10.00	100.00
60	10.00	100.00	10.00	100.00
61	10.00	100.00	10.00	100.00
62	10.00	100.00	10.00	100.00
63	10.00	100.00	10.00	100.00
64	10.00	100.00	10.00	100.00
65	10.00	100.00	10.00	100.00
66	10.00	100.00	10.00	100.00
67				

40 MPH

MAXIMUM SPEED

MAXIMUM SPEED

136 RE CWR 2002

RAII

RAI

RAII

SURFACE

SURFACE

TIFS

TIFS

CONCRETE

M.P. 6.0

SEE SHT. 11

SEE SHT. 9

MATCH LINE

MATCH LINE

M.P.
6.78
EL
DS
OC
T
*17

M.P.
6.59

EL
DS
OC
T

*18

**M.P.
6.41**

EL
DS
OC
T

*10

M.P.
6.21

EL
DS
OC
T

*20

M.P.
6.0
5
/
EL
DS
OC
T
*21

M.P.
5.83
EL
DS
OC
T
*22

MAINLINE 1

MAINLINE 1

MAINLINE 2

MAINLINE 2

MAINLINE 3

MAINLINE 3

UPRR SANTA ANA BY-PASS TRACK

UPRR DISPATCH
& MAINTENANCE

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

[illegible]

USER=sheth	27 APR 2006	08:53:23	h:\acet\trk\sig\dc\rr-agree\rev r\rra010.plg
------------	-------------	----------	--

RAILROAD WEST
(TOWARDS THE PORTS)

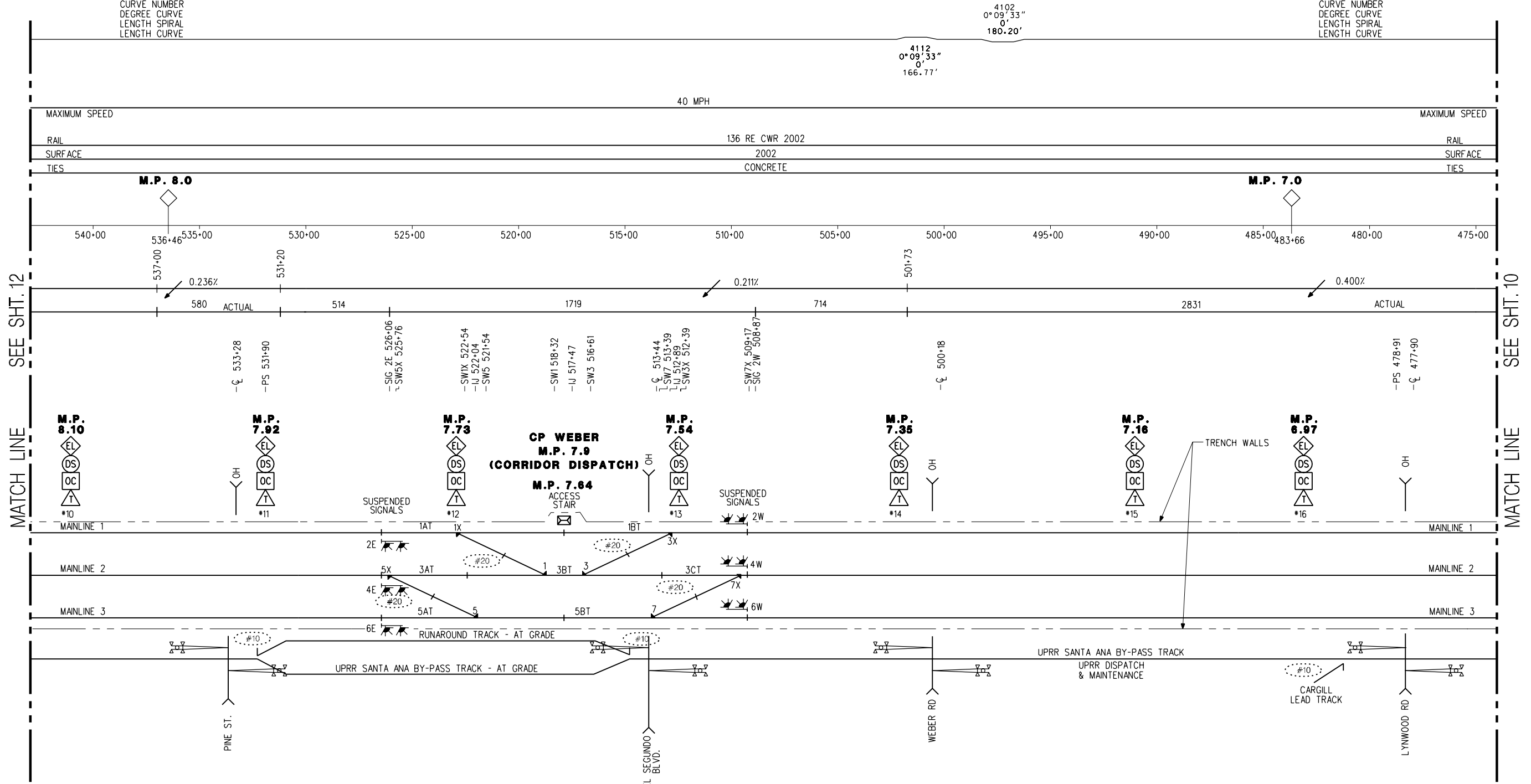
MAINLINE 2

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)

MAINLINE 2

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE



ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY

ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffatt & Nichol Engineers
Jenkins-Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

EXHIBIT A

CONTRACT NO.	
DRAWING NO.	EXHIBIT A
SCALE	HORIZ 1"=500' VERT N.T.S.
SHEET NO.	11

RAILROAD WEST
(TOWARDS THE PORTS)

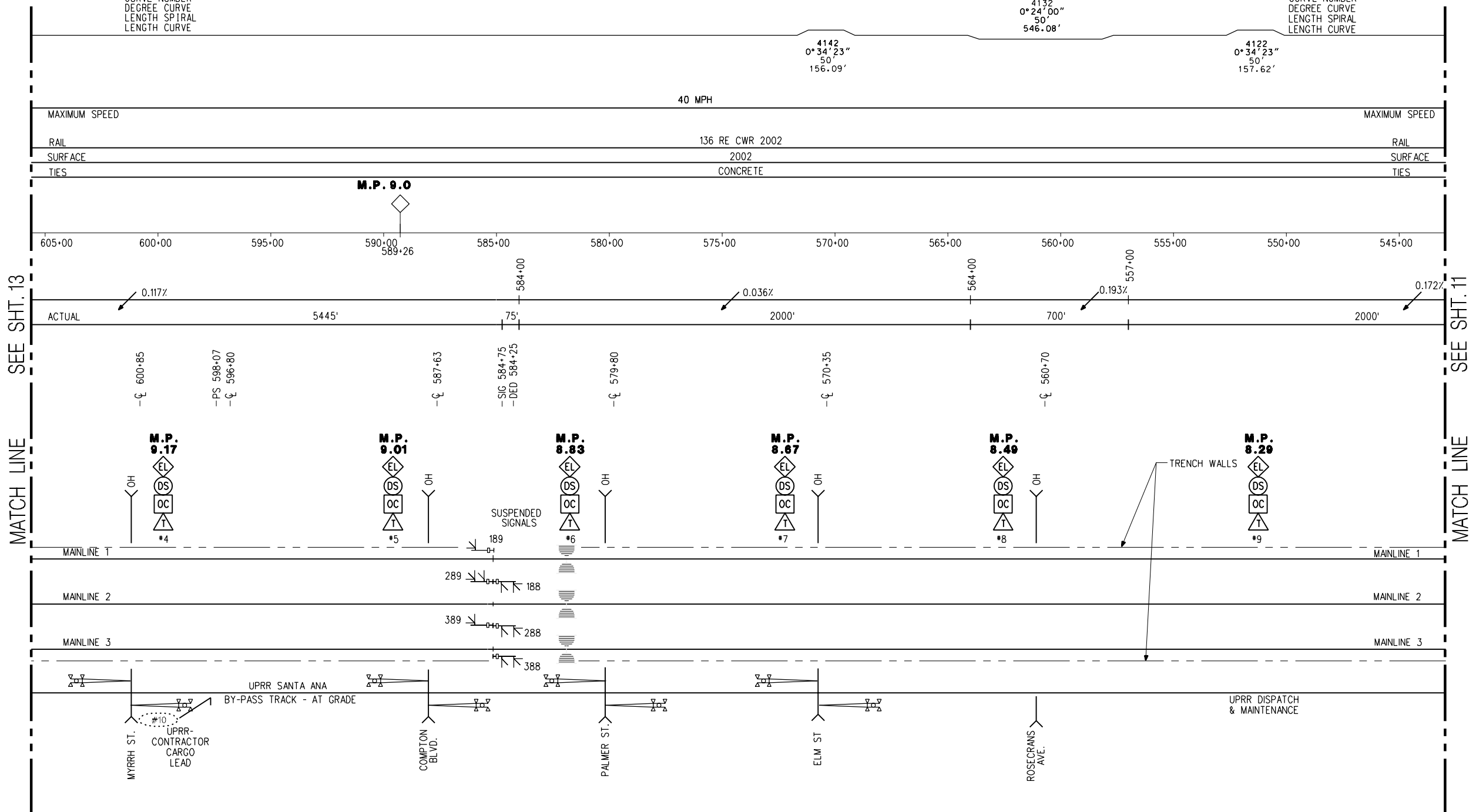
MAINLINE 2

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)

MAINLINE 2

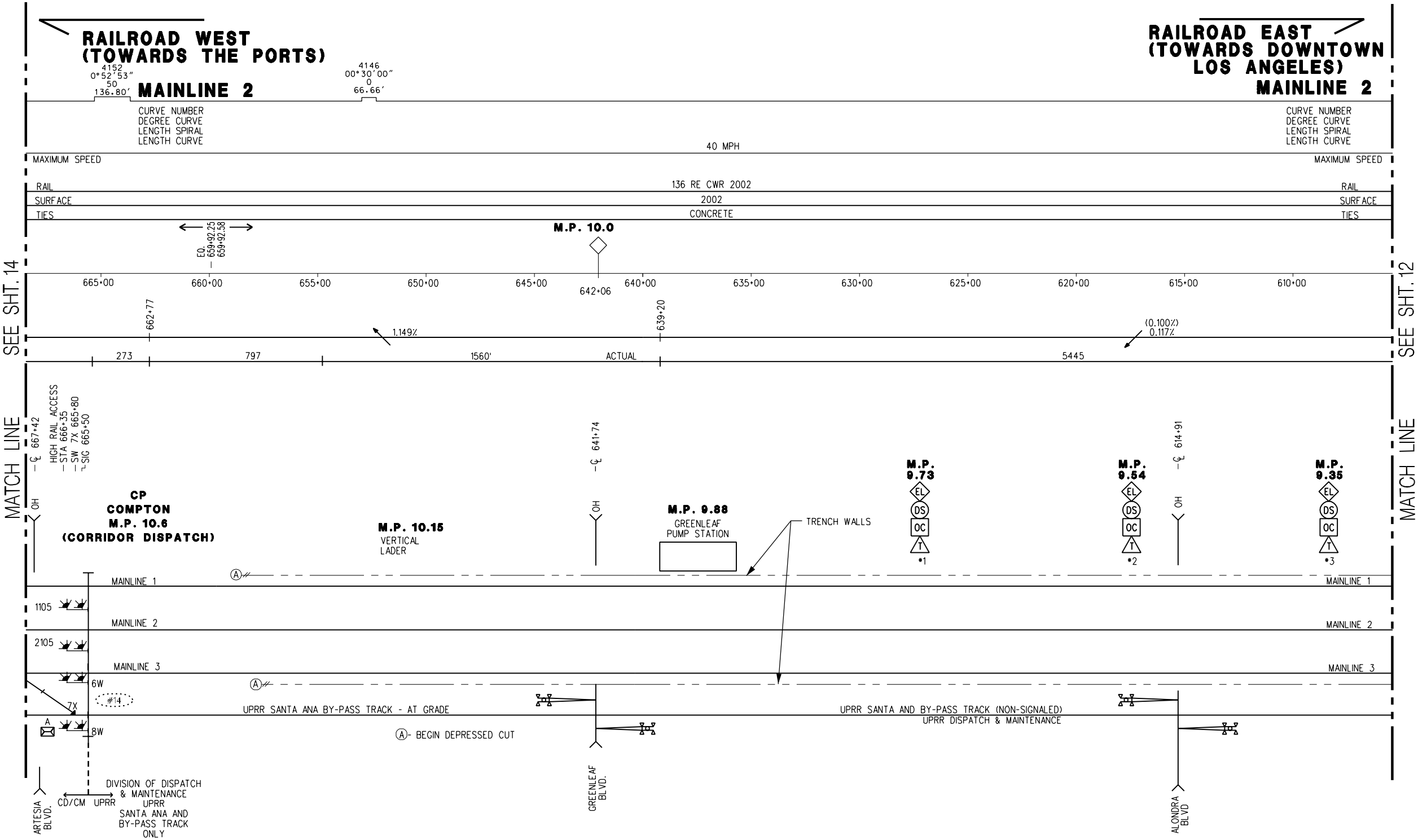
CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE



APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----



RAILROAD WEST
(TOWARDS THE PORTS)

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)

MAINLINE 2

MAINLINE 2

SEE SHT. 14

SEE SHT. 12

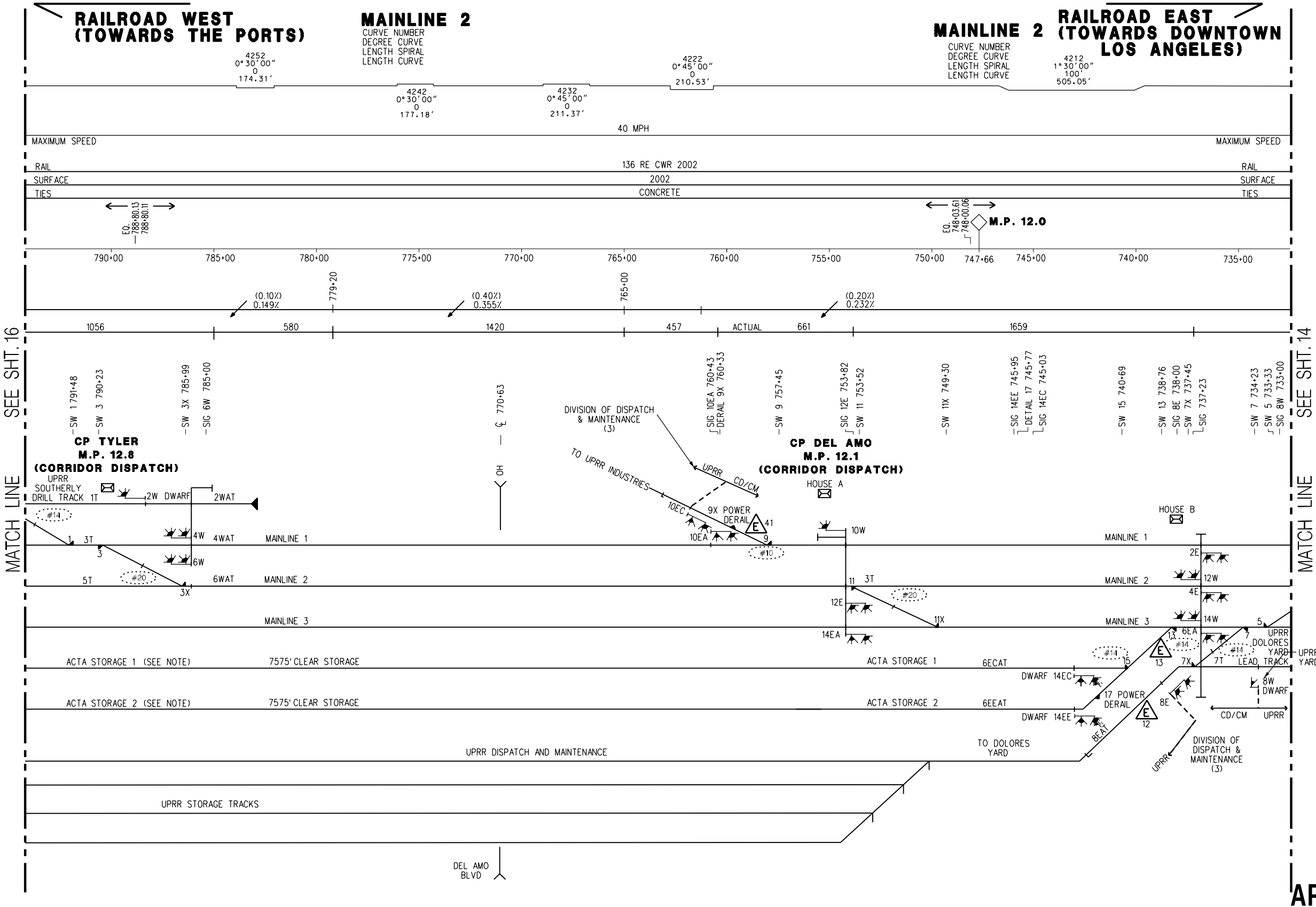
MATCH LINE

MATCH LINE

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----



APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

h:\acct\trk\sig\dc\rr-agree\rev \rr015.plg 08 AUG 2006 15:48:06 USER=steth



R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						
REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

NOT
APPLICABLE

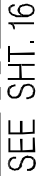


SUBMITTED _____

APPROVED _____

EXHIBIT A

USER=sheth	08 AUG 2006	15:48:19	h:\acet\trk\sig\dc\rr-agree\rev r\rra016.plg
------------	-------------	----------	--



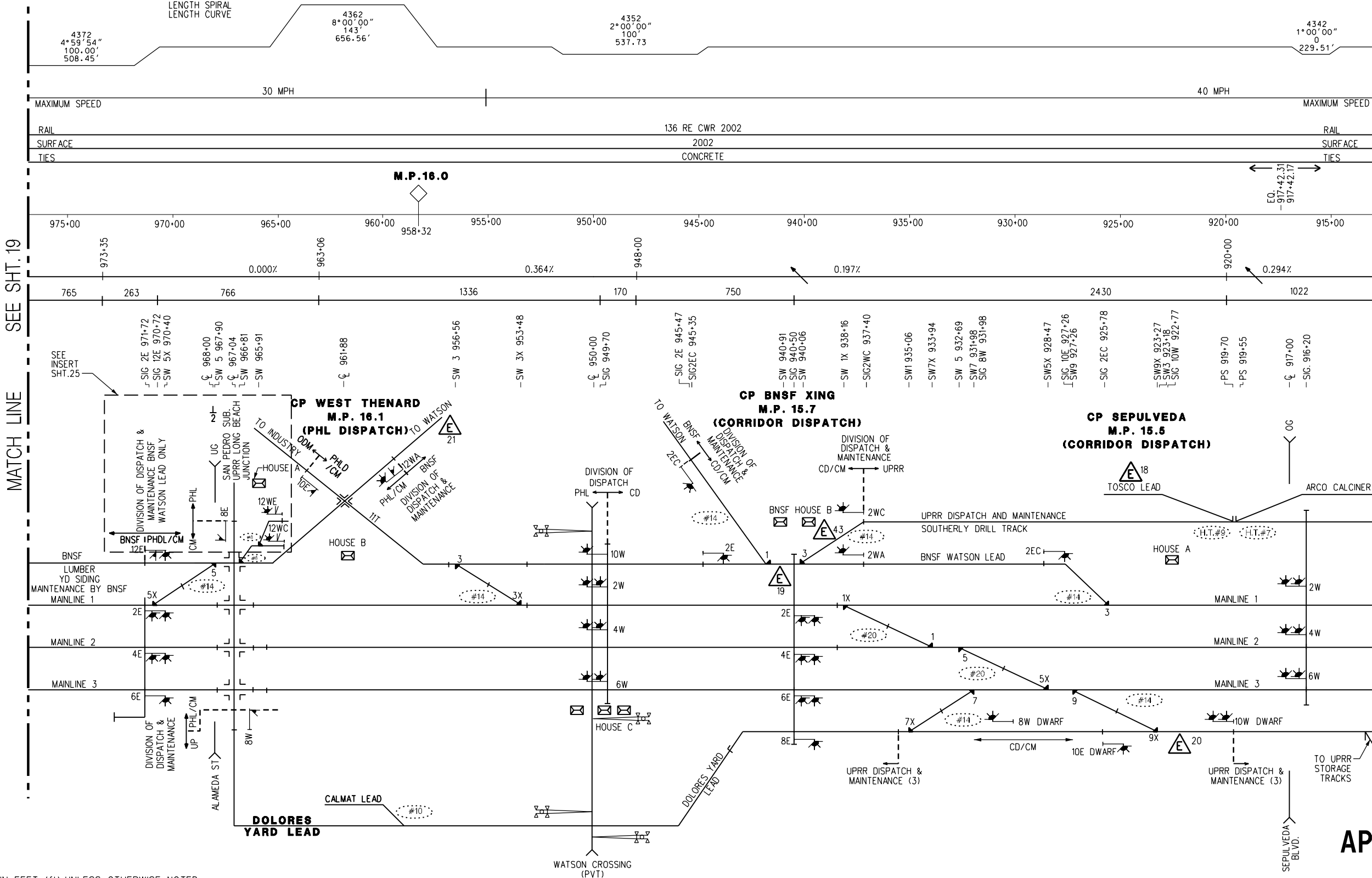
APPROVED

USER=sheth	08 AUG 2006	15:48:34	h:\acet\trk\sig\dc\rr-agree\rev r\rra017.plg
------------	-------------	----------	--

RAILROAD WEST
(TOWARDS THE PORTS)
MAINLINE 2

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)



SEE SHT. 19

SEE SHT. 17

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY



ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffett & Nichol Engineers
Jenkins Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

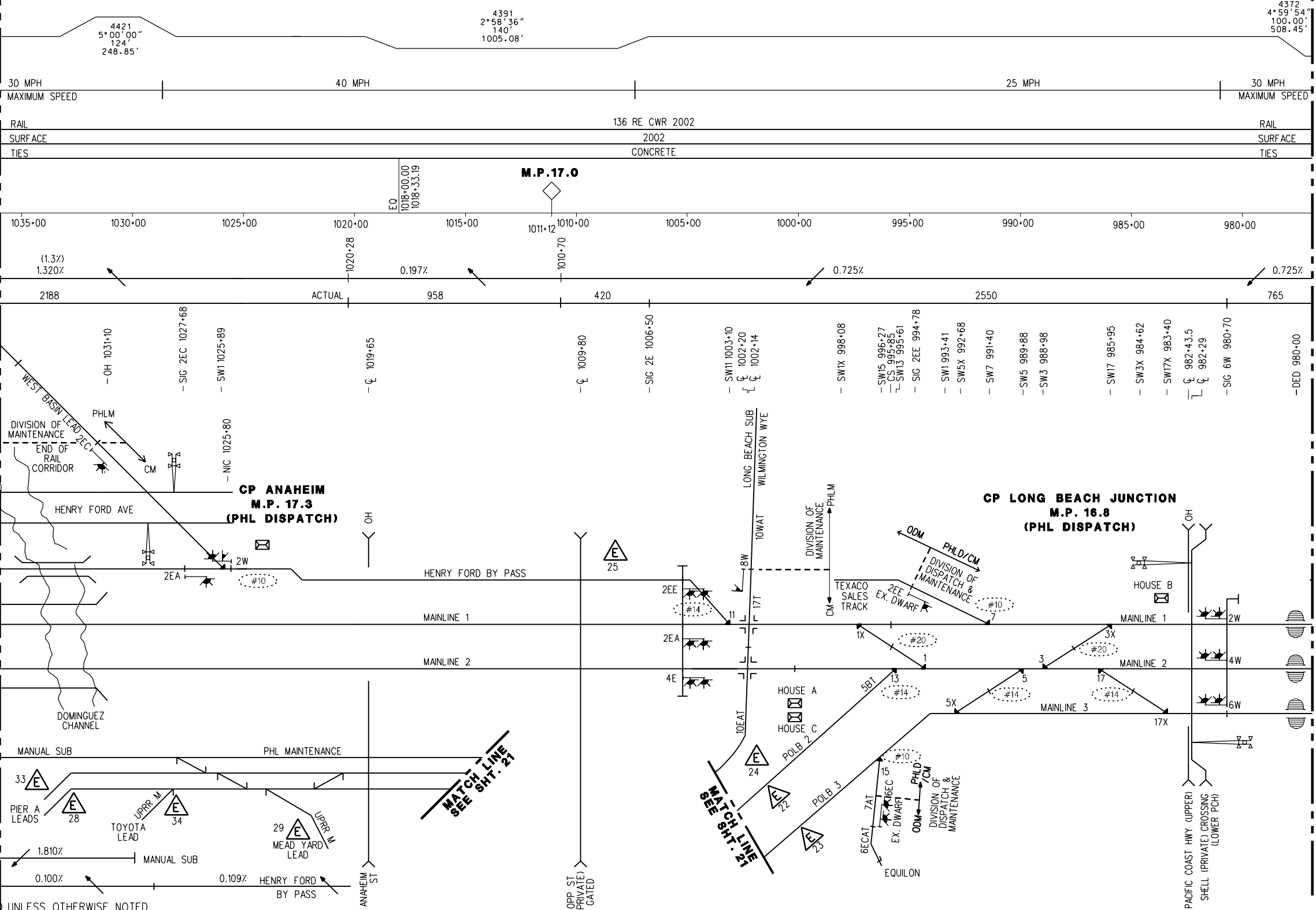
EXHIBIT A

CONTRACT NO.	
DRAWING NO.	EXHIBIT A
SCALE	HORIZ 1"=500' VERT N.T.S.
SHEET NO.	18

RAILROAD WEST
(TOWARDS THE PORTS)
MAINLINE 2

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)



ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

APPROVED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY

ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffett & Nichol Engineers
Jenkins-Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

EXHIBIT A

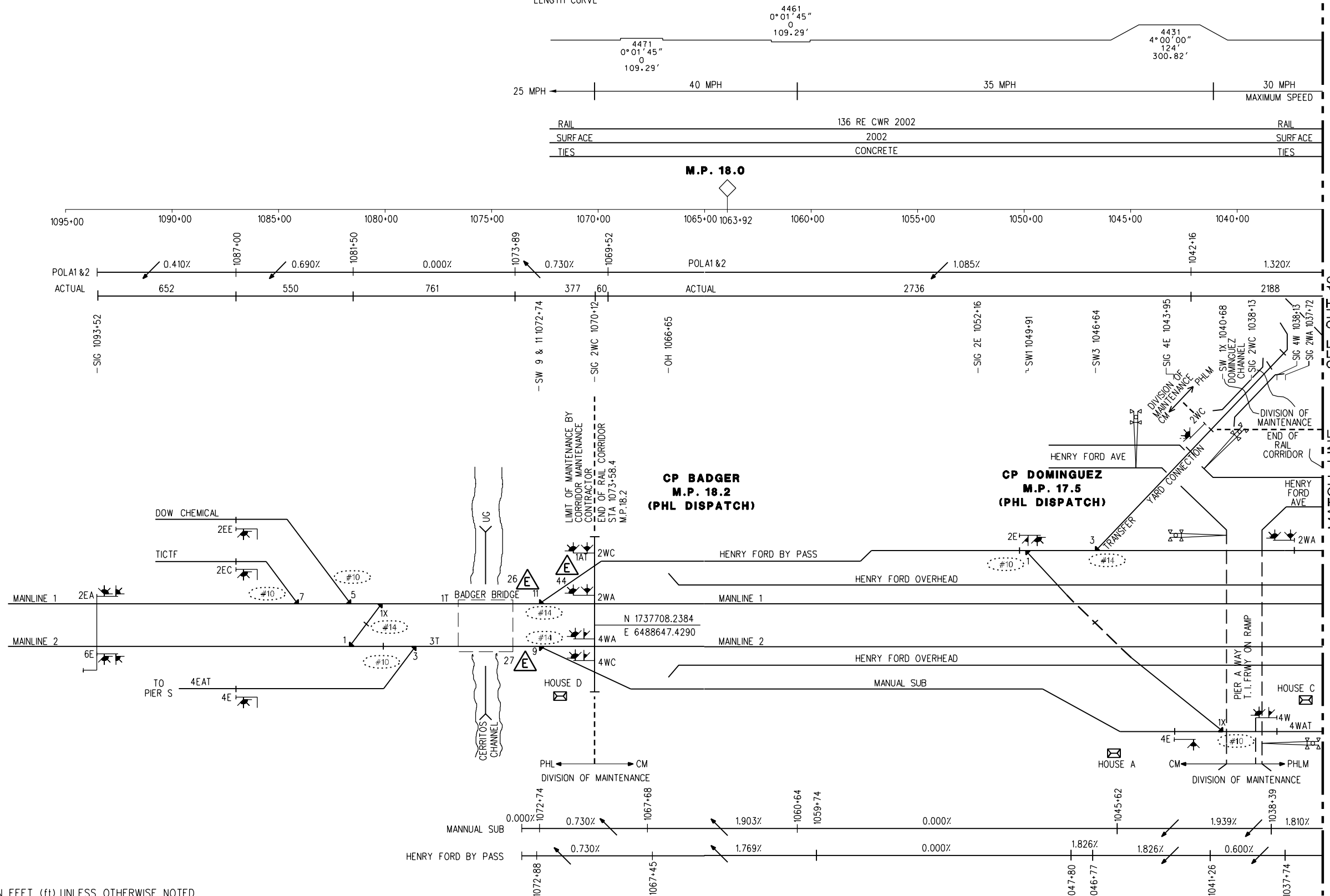
CONTRACT NO.	
DRAWING NO.	EXHIBIT A
SCALE	HORIZ 1"=500' VERT N.T.S.
SHEET NO.	19

RAILROAD WEST
(TOWARDS THE PORTS)

MAINLINE 2

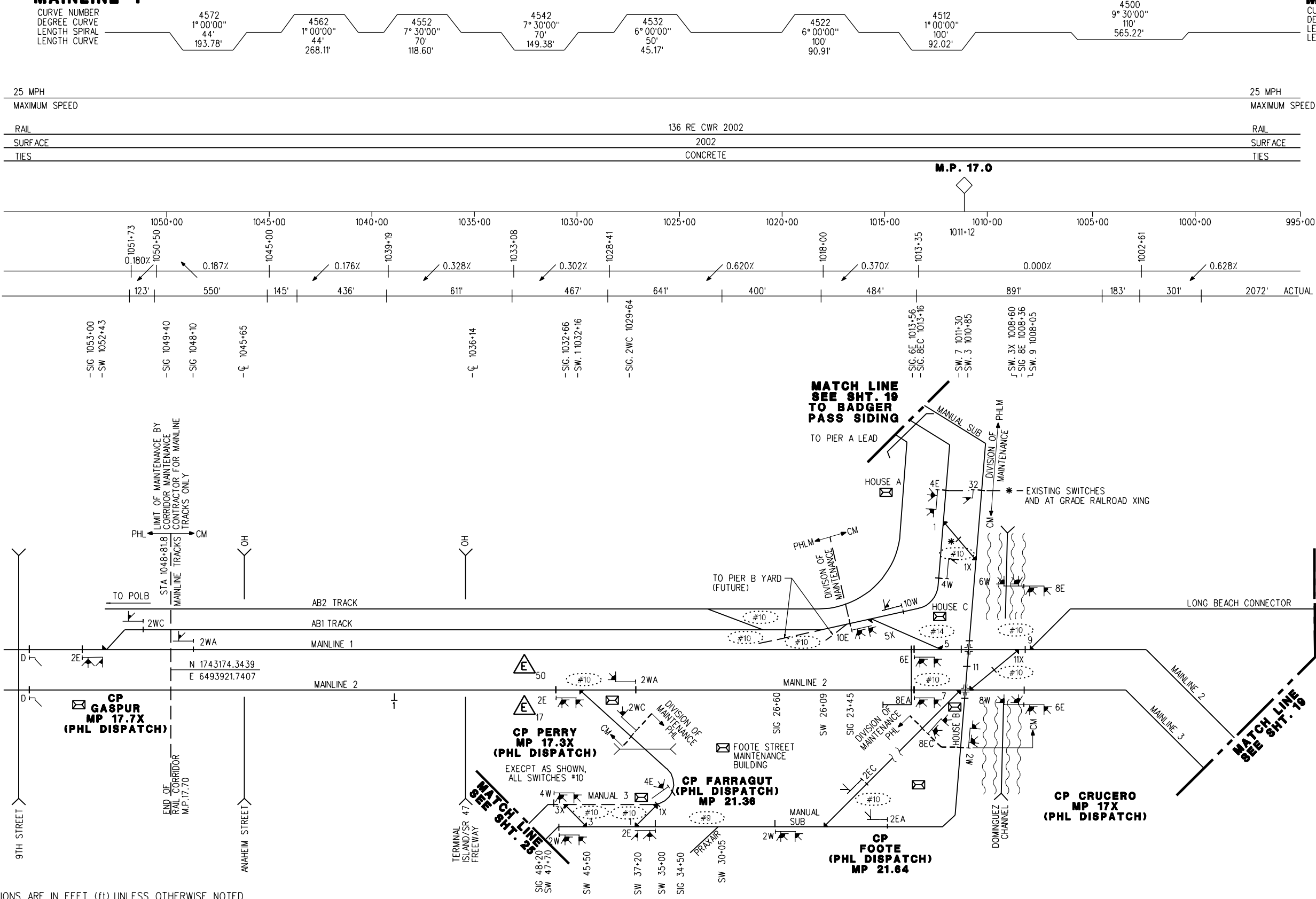
CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

RAILROAD EAST
(TOWARDS DOWNTOWN
LOS ANGELES)



RAILROAD WEST
(TOWARDS THE PORTS)
MAINLINE 1

RAILROAD EAST
(TO SAN BERNARDINO)
MAINLINE 2




APPROVED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY

ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffett & Nichol, Engineers
Jenkins Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR DISPATCHING AND MAINTENANCE PROJECT DEFINITION	
EXHIBIT A	
CONTRACT NO.	REV R
DRAWING NO. EXHIBIT A	SCALE HORIZ 1"=500' VERT N.T.S.
SHEET NO. 21	

RAILROAD WEST
(TOWARDS THE PORTS)

RAILROAD EAST
(EAST L.A.)

UPRR CONNECTION
TRACK 2

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

5010
6° 20' 00"
132'
313.23'

5020
2° 30' 00"
44'
70.58'

5030
3° 30' 00"
100'
307.92'

CURVE NUMBER
DEGREE CURVE
LENGTH SPIRAL
LENGTH CURVE

30 MPH

MAXIMUM SPEED

10+00 15+00 20+00 25+00 30+00 35+00 40+00 45+00 50+00 55+00

1.092% 18+84 0.683% 25+93 1.167% 35+25 0.945% 39+75 0.747% 45+75 0.572% 51+56 0.414% 57+75 0.80% 63+75 0.16% 69+75

STATION 10+00 ACTA 1
STATION 100+00 UP CONNECTOR 2

CPC001 9TH STREET
JCT
(UPRR DISPATCH)

CP SOTO STREET JCT
MP 2.13
(UPRR DISPATCH)

CP DOWNEY RD
MP 2.77
(UPRR DISPATCH)

CP WEEDS
MP XXX
(UPRR DISPATCH)

UPRR EAST BANK CONNECTION

MATCH LINE
SEE SHT. 5

DRILL TRACK

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY



ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffett & Nichol, Engineers
Jenkins-Gates & Martinez, Inc.
TELACU

SUBMITTED _____

APPROVED _____

ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

EXHIBIT A

CONTRACT NO.

DRAWING NO.

REV

EXHIBIT A

SCALE

HORIZ 1"=500'

VERT N.T.S.

SHEET NO.

22

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT APPLICABLE

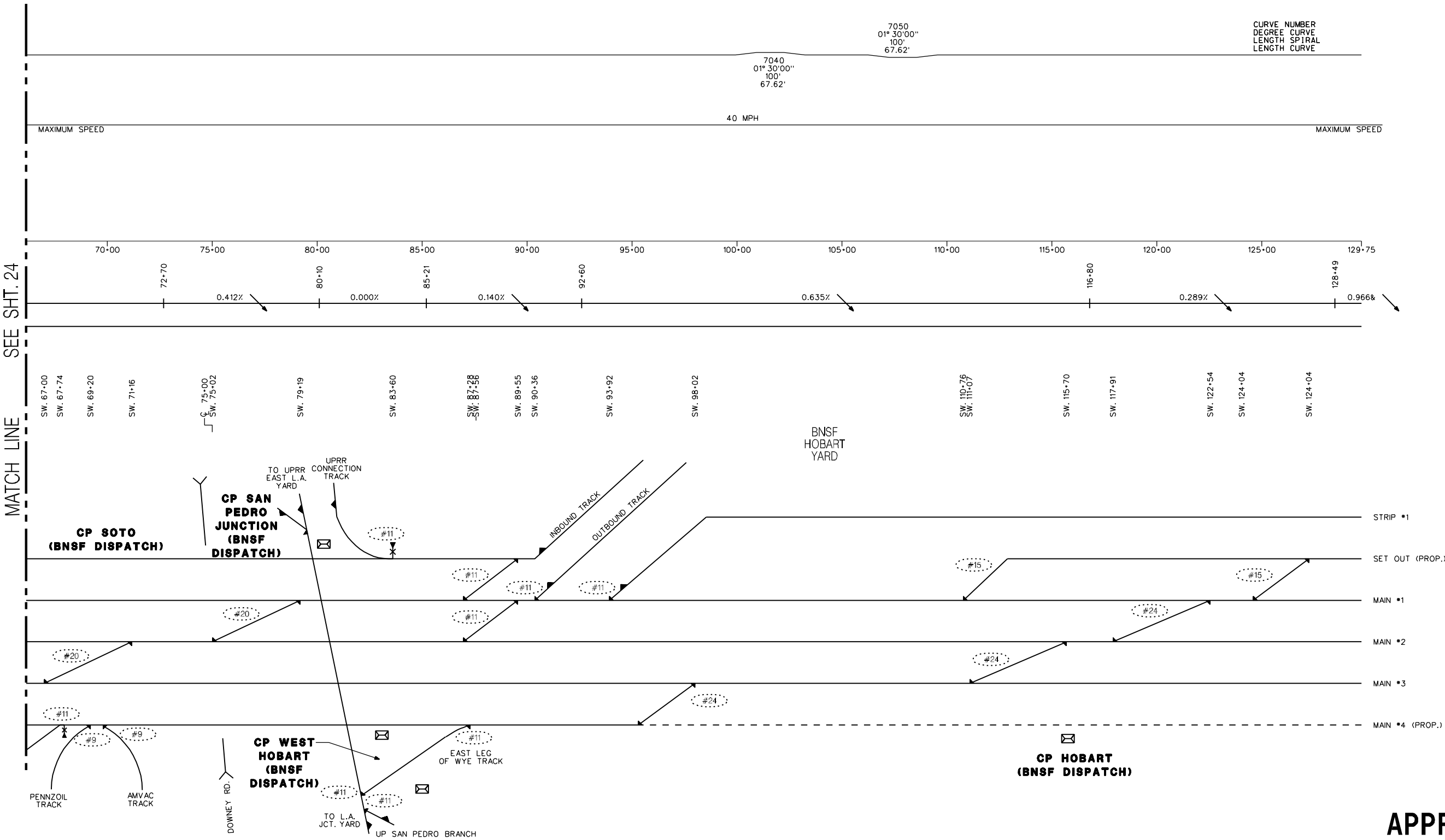
ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY
ALAMEDA CORRIDOR ENGINEERING TEAM Daniel, Mann, Johnson, & Mendenhall Moffett & Nichol, Engineers Jenkins-Gates & Martinez, Inc. TELACU
SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR DISPATCHING AND MAINTENANCE PROJECT DEFINITION
EXHIBIT A

CONTRACT NO.
DRAWING NO.
REV
EXHIBIT A
SCALE
HORIZ 1"=500'
VERT N.T.S.
SHEET NO.
22

RAILROAD WEST
(TOWARDS THE PORTS)

RAILROAD EAST
(TO SAN BERNARDINO)



SEE SHT. 24
MATCH LINE

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY

ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffett & Nichol, Engineers
Jenkins Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

EXHIBIT A

CONTRACT NO.	
DRAWING NO.	EXHIBIT A
SCALE	HORIZ 1"=500' VERT N.T.S.
SHEET NO.	23

RAILROAD WEST
(TOWARDS THE PORTS)

RAILROAD EAST
(TO SAN BERNARDINO)

CURVE NUMBER
DEGREE
LENGTH
SPIRAL
LENGTH CURVE

CURVE NUMBER
DEGREE
LENGTH
SPIRAL
LENGTH CURVE

3932
08° 44' 25"
100'
442.78'

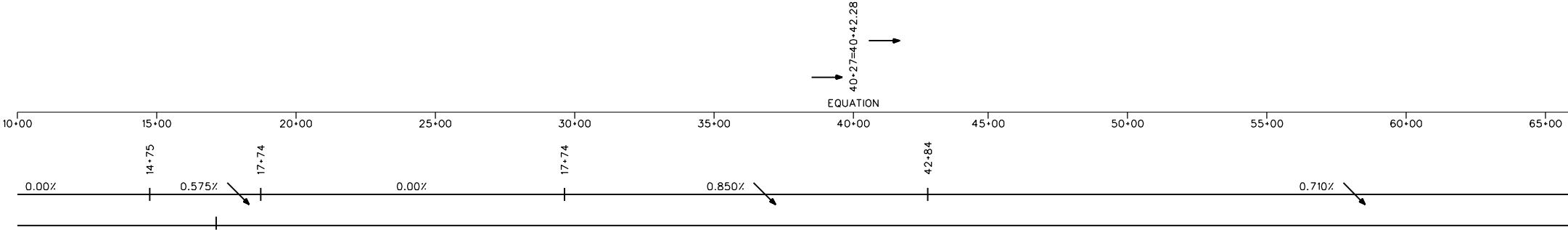
3922
07° 16' 53"
100'
610.32'

7020
04° 15' 00"
50'
94.32'

7030
03° 42' 54" - 02° 06' 00"
50' - 50'
182.00' - 1023.61'

40 MPH

MAXIMUM SPEED



MATCH LINE

SEE SHT. 23

SEE SHT. 5

MATCH LINE

SCRRRA
FLYOVER

LOS ANGELES RIVER

SOTO ST.

CP SOTO
(BNSF DISPATCH)

RUNAROUND TRACK

AIR PRODUCTS

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY

ALAMEDA CORRIDOR ENGINEERING TEAM
Daniel, Mann, Johnson, & Mendenhall
Moffett & Nichol Engineers
Jenkins-Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

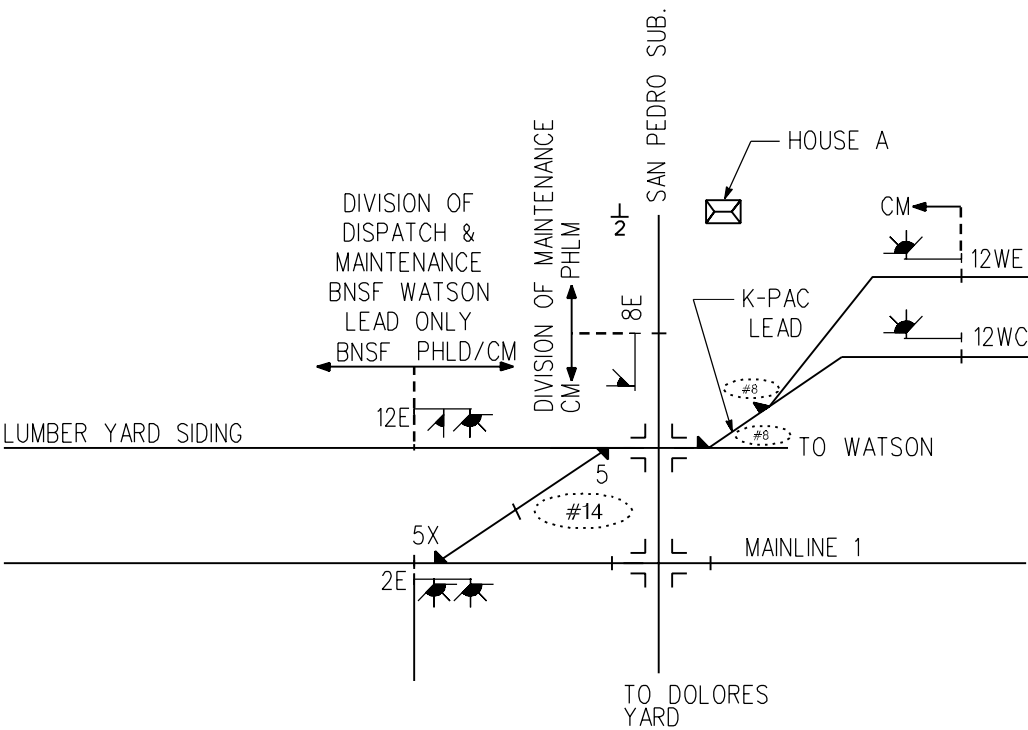
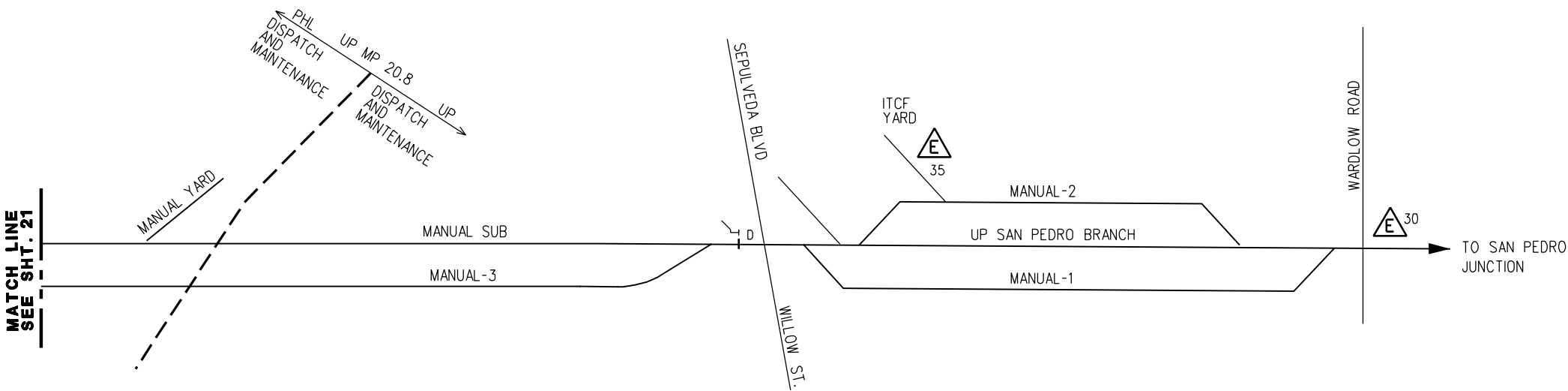
ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

EXHIBIT A

CONTRACT NO.	REV
DRAWING NO. EXHIBIT A	R
SCALE HORIZ 1"=500' VERT N.T.S.	
SHEET NO. 24	

RAILROAD WEST
(TOWARDS THE PORTS)

RAILROAD EAST
(TO SAN BERNARDINO)



INSERT FROM SHT.18 CP WEST THENARD

APPROVED

ALL DIMENSIONS ARE IN FEET (ft) UNLESS OTHERWISE NOTED

REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION
R	10/29/04	KS	PD	PD	TRACK CHARTS						
Q	1/31/03	CN	DAS	DAS	TRACK, SIGNALS & AEI AS-BUILT						
P	3/22/02	CN	DAS	DAS	ISSUED FOR OP. COMM. AGREEMENT						

DESIGNED BY C. NITU
DRAWN BY C. NATHAN
CHECKED BY D. SEPULVEDA
IN CHARGE D. SEPULVEDA
DATE 22 MAR 02

NOT
APPLICABLE



ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY



ALAMEDA CORRIDOR ENGINEERING TEAM
Dentel, Mann, Johnson, & Mendenhall
Moffett & Nichol Engineers
Jenkins-Gates & Martinez, Inc.
TELACU

SUBMITTED _____
APPROVED _____

ALAMEDA CORRIDOR
DISPATCHING AND MAINTENANCE
PROJECT DEFINITION

EXHIBIT A

CONTRACT NO.	
DRAWING NO. EXHIBIT A	REV R
SCALE HORIZ. 1"=500' VERT N.T.S.	
SHEET NO. 25	

EXHIBIT 2

**SCHEDULE OF EQUIPMENT TO BE
PROVIDED AND MAINTAINED
BY CONTRACTOR**

(May be modified prior to execution)

Page intentionally left blank.

Exhibit 2

CLASS OF EQUIPMENT	DESCRIPTION	HOUR	DAY	WEEK	MONTH	ITEM
OWNED	Full Size Pickup Truck, 1/2 Ton	\$9.60	\$76.80	\$384.00	\$1,536.00	4
OWNED	FORD F250 PICKUP	\$10.50	\$84.00	\$420.00	\$1,680.00	
OWNED	Hi-Rail Crew Cab Track Supervisor	\$10.97	\$87.78	\$438.88	\$1,755.00	2
OWNED	Full Size Pickup Truck, 3/4 Ton w Hi Rail	\$12.09	\$96.75	\$483.76	\$1,935.00	1
OWNED	Hi-Rail Truck Track Inspector	\$12.09	\$96.75	\$483.76	\$1,935.00	6
OWNED	FORD F350 PICKUP	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	Full Size Pickup Truck 6 Pass Hi Rails	\$15.72	\$125.74	\$628.68	\$2,515.00	5
OWNED	FORD F450 CREW CAB	\$15.60	\$124.80	\$624.00	\$2,496.00	
OWNED	FORD F450 HIRAIL CREW CAB	\$24.30	\$194.40	\$972.00	\$3,888.00	
OWNED	FORD F550 CREW CAB	\$19.20	\$153.60	\$768.00	\$3,072.00	
OWNED	FORD F550 UTILITY BED	\$30.00	\$240.00	\$1,200.00	\$4,800.00	
OWNED	FORD F550 HIRAIL CREW	\$24.30	\$194.40	\$972.00	\$3,888.00	
OWNED	Welding Truck + Welder w Hi Rails	\$33.71	\$270.00	\$1,350.00	\$5,400.00	15
OWNED	FORD F650 GANG TRUCK	\$25.20	\$201.60	\$1,008.00	\$4,032.00	
OWNED	FORD F750 GANG TRUCK	\$25.20	\$201.60	\$1,008.00	\$4,032.00	
OWNED	FORD F750 UTILITY	\$25.20	\$201.60	\$1,008.00	\$4,032.00	
OWNED	FORD F750 HIRAIL CREW	\$42.00	\$336.00	\$1,680.00	\$6,720.00	
OWNED	FORD F750 HIRAIL UTILITY	\$42.00	\$336.00	\$1,680.00	\$6,720.00	
OWNED	Compact SUV, 4 x 4	\$5.57	\$44.54	\$222.72	\$890.00	3
OWNED	Pump Station / Graffiti Vehicle	\$5.57	\$44.54	\$222.72	\$890.00	7
OWNED	FORD E350 PASSENGER VAN	\$15.60	\$124.80	\$624.00	\$2,496.00	
LEASED	TRACTOR RIG DOT	\$42.90	\$343.20	\$1,716.00	\$6,864.00	
OWNED	BUCKET TRUCK, Hi Rail	\$12.37	\$99.00	\$495.00	\$1,980.00	17
OWNED	TRAILER DUAL AXLE	\$11.70	\$93.60	\$468.00	\$1,872.00	
OWNED	TRAILER FLATBED	\$9.00	\$72.00	\$360.00	\$1,440.00	
OWNED	TRAILER LIGHT DUTY	\$3.00	\$24.00	\$120.00	\$480.00	
OWNED	TRAILER SEMI DOT	\$17.40	\$139.20	\$696.00	\$2,784.00	
LEASED	DYMAX LORAILER	\$72.00	\$576.00	\$2,880.00	\$11,520.00	
OWNED	PRENTICE LOADER/GRAPPLE TRUCK	\$51.70	\$414.00	\$2,070.00	\$8,280.00	11
OWNED	DUMPTRUCK 10 CY	\$44.40	\$355.20	\$1,776.00	\$7,104.00	
OWNED	5 Yard Hi-Rail Rotary Dump Truck	\$33.73	\$270.00	\$1,350.00	\$5,400.00	8
LEASED	HI RAIL VAC TRUCK/OP	\$131.32	\$1,050.00	\$5,250.00	\$21,000.00	18

Exhibit 2

CLASS OF EQUIPMENT	DESCRIPTION	HOUR	DAY	WEEK	MONTH	ITEM
OWNED	Hi-Rail Crane Truck	\$56.25	\$450.00	\$2,250.00	\$9,000.00	10
OWNED	Spot Tamper	\$66.23	\$530.00	\$2,650.00	\$10,600.00	16
OWNED	TAMPER PRODUCTION	\$141.60	\$1,132.80	\$5,664.00	\$22,656.00	
OWNED	TAMPER LASER BUGGY	\$8.34	\$66.70	\$333.50	\$1,334.00	
OWNED	REGULATOR 26-2	\$37.80	\$302.40	\$1,512.00	\$6,048.00	
OWNED	REGULATOR 46-2	\$80.10	\$640.80	\$3,204.00	\$12,816.00	
OWNED	Surfacing Unit (Tamper, Regulator, truck & Operators	\$425.00	\$3,400.00	\$17,000.00	\$68,000.00	9
OWNED	SPEEDSWING 360	\$33.60	\$268.80	\$1,344.00	\$5,376.00	
OWNED	SPEEDSWING	\$41.24	\$330.00	\$1,650.00	\$6,600.00	13
OWNED	TIE INSERTER 925	\$25.80	\$206.40	\$1,032.00	\$4,128.00	
OWNED	TIE INSERTER TRIPP/TR10	\$167.40	\$1,339.20	\$6,696.00	\$26,784.00	
LEASED	CRIBBER ADZER	\$96.00	\$768.00	\$3,840.00	\$15,360.00	
OWNED	CRIBBER/ADZER WB	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	UNDERCUTTER - PRODUCTION	\$308.10	\$2,464.80	\$12,324.00	\$49,296.00	
LEASED	EXCAVATOR LESS THAN 20K LBS	\$36.00	\$288.00	\$1,440.00	\$5,760.00	
LEASED	EXCAVATOR LESS THAN 20K LBS HR	\$54.00	\$432.00	\$2,160.00	\$8,640.00	
LEASED	EXCAVATOR 20K LBS TO 40K LBS	\$54.00	\$432.00	\$2,160.00	\$8,640.00	
LEASED	EXCAVATOR 20K LBS TO 40K LBS HR	\$66.00	\$528.00	\$2,640.00	\$10,560.00	
LEASED	EXCAVATOR 40K LBS TO 50K LBS	\$66.00	\$528.00	\$2,640.00	\$10,560.00	
LEASED	EXCAVATOR 40K LBS TO 50K LBS HR	\$108.00	\$864.00	\$4,320.00	\$17,280.00	
LEASED	EXCAVATOR OVER 50K LBS	\$78.00	\$624.00	\$3,120.00	\$12,480.00	
OWNED	WHEEL LOADER <3YD	\$27.30	\$218.40	\$1,092.00	\$4,368.00	
OWNED	WHEEL LOADER 3-5 YD	\$35.40	\$283.20	\$1,416.00	\$5,664.00	
OWNED	BACKHOE	\$26.00	\$208.00	\$1,039.99	\$4,159.96	12
OWNED	HUDDIG TIE EXCHANGER	\$44.70	\$357.60	\$1,788.00	\$7,152.00	
OWNED	SKID LOADER BOBCAT	\$38.70	\$309.60	\$1,548.00	\$6,192.00	
OWNED	FORKLIFT WHSE	\$16.20	\$129.60	\$648.00	\$2,592.00	
LEASED	FORKLIFT ROUGH TERRAIN	\$24.90	\$199.20	\$996.00	\$3,984.00	
OWNED	CX SPIKER MODEL C	\$72.60	\$580.80	\$2,904.00	\$11,616.00	
OWNED	SPIKE PULLER DUAL	\$45.00	\$360.00	\$1,800.00	\$7,200.00	
OWNED	SPIKE PULLER SINGLE	\$37.50	\$300.00	\$1,500.00	\$6,000.00	
OWNED	RAIL GRINDER	\$324.60	\$2,596.80	\$12,984.00	\$51,936.00	

Exhibit 2

CLASS OF EQUIPMENT	DESCRIPTION	HOUR	DAY	WEEK	MONTH	ITEM
OWNED	RAIL PULLER HYD	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	RAIL HEATER	\$53.10	\$424.80	\$2,124.00	\$8,496.00	
OWNED	RAIL THREADER MPR	\$16.80	\$134.40	\$672.00	\$2,688.00	
OWNED	RAIL CART	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	RAIL VIBRATOR	\$24.00	\$192.00	\$960.00	\$3,840.00	
OWNED	SCARIFIER	\$36.00	\$288.00	\$1,440.00	\$5,760.00	
OWNED	TIE PLUGGER	\$87.90	\$703.20	\$3,516.00	\$14,064.00	
OWNED	TIE SPACER	\$24.00	\$192.00	\$960.00	\$3,840.00	
OWNED	PREGAUGER	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	WELDERS MISC	\$11.16	\$89.28	\$446.40	\$1,785.60	
OWNED	SMALL TOOLS	\$9.30	\$74.40	\$372.00	\$1,488.00	
LEASED	LIGHT TOWER TOWABLE	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	MINI RAIL TRAIN	\$12.00	\$96.00	\$480.00	\$1,920.00	
LEASED	AIR COMPRESSOR TOWABLE 185	\$9.90	\$79.20	\$396.00	\$1,584.00	
OWNED	ANCHOR MACHINE	\$60.90	\$487.20	\$2,436.00	\$9,744.00	
OWNED	BALLAST CAR	\$4.38	\$35.00	\$175.00	\$700.00	14
OWNED	CLIPPING MACHINE SP	\$8.10	\$64.80	\$324.00	\$1,296.00	
LEASED	COMPACTOR/ROLLER	\$48.00	\$384.00	\$1,920.00	\$7,680.00	
OWNED	GENERATOR SMALL	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	HAND DRILL	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	HAND GRINDER	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	HYD SPIKE PULLER	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	HYDRAULIC SPIKER	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	IMPACT WRENCHES	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	LAG BOLTER	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	MOBILE POWER PACK	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	PAVING BREAKERS	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	POWER JACKS	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	POWER WASHER	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	RAIL BENDER	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	RAIL DRILL	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	RAIL SAW	\$9.30	\$74.40	\$372.00	\$1,488.00	

Exhibit 2

CLASS OF EQUIPMENT	DESCRIPTION	HOUR	DAY	WEEK	MONTH	ITEM
OWNED	SPIKE DRIVER	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	SURVEY EQUIPMENT	\$9.30	\$74.40	\$372.00	\$1,488.00	
OWNED	WATER PUMPS	\$9.30	\$74.40	\$372.00	\$1,488.00	
LEASED	TRACKMOBILE	\$66.00	\$528.00	\$2,640.00	\$10,560.00	
OWNED	ELECTRIC GRINDER	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	GRINDER - ELEC/HYD HAND	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	GRINDER - PROFILE	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	HYDRAULIC GRINDER	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	CLIPPING MACHINE WB	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	CONCRETE TIE JIG	\$30.00	\$240.00	\$1,200.00	\$4,800.00	
OWNED	TIE BORING MACHINE	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	TIE ADZER STANDARD	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	DRILL - AIR	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	AIR HAMMER GUN	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	WRENCH - AIR	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	DRILL - BONDING	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	DRILL - ELECTRIC	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	DRILL - ROTO HAMMER	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	SAW ELECTRIC W/BLADES	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	IMPACT WRENCH - HYDRAULIC	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	IMPACT WRENCH - GAS	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	LOADER ATTACHMENTS	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	PLATE COMPACTOR	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	RAIL EXPANDER	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	STOCKRAIL GRINDER	\$12.00	\$96.00	\$480.00	\$1,920.00	
OWNED	SLIP TANKS	\$1.15	\$9.20	\$46.00	\$184.00	

EXHIBIT 3

APPROVED MAINTENANCE PLAN FOR FIRST CONTRACT YEAR (COMMENCEMENT DATE ON OR ABOUT MAY 1, 2019 THROUGH DECEMBER 31, 2019)

Note: Total approved MOW Budget for CY2019 is \$8,705,802 consisting of \$5,382,527 for RailWorks (May 1, 2019 – December 31, 2019) and \$3,323,276 for existing maintenance contractor BBII (January 1, 2019 – May 31, 2019). Unused BBII Budget and unaccomplished BBII scope will transfer to RailWorks following the transition.

Page intentionally left blank.

Alameda Corridor - Amended 2019 Maintenance of Way Budget

Note: assumes new contractor begins May 1, 2019 and existing contractor works through May 31, 2019 - i.e. 1 month overlap

I. LABOR POSITIONS				2019				R.R. M & O				Reserve Account		ACTA Operating Budget			
		Needed	EST	Hourly	OT	OT	2019			Rail	Hours	Share	Non-Rail	Hours	Share	Cost	Hours
NEW CONTRACTOR A		Portion	Hours	RATE	RATE	VALUE	VALUE	Share	Cost				Cost				
MANAGEMENT POSITIONS																	
A.1.a.i	Contract Manager	1	100.0%	1333	\$ 149.01	N/A	N/A	\$ 198,680	70.0%	\$ 139,076	933	25.0%	\$ 49,670	333	5.0%	\$ 9,934	67
A.1.a.ii	Track Supervisor	1	100.0%	1333	\$ 117.62	N/A	N/A	\$ 156,827	75.0%	\$ 117,620	1,000	25.0%	\$ 39,207	333	0.0%	\$ -	-
A.1.a.iii	Safety Supervisor	1	100.0%	667	\$ 117.62	N/A	N/A	\$ 78,413	20.0%	\$ 15,683	133	80.0%	\$ 62,731	533	0.0%	\$ -	-
A.1.a.iv	Office Manager	1	100.0%	1333	\$ 55.23	N/A	N/A	\$ 73,640	70.0%	\$ 51,548	933	25.0%	\$ 18,410	333	5.0%	\$ 3,682	67
A.1.a.v	Bridge Supervisor	1	100.0%	83	\$ 305.95	N/A	N/A	\$ 25,496	20.0%	\$ 5,099	17	80.0%	\$ 20,397	67	0.0%	\$ -	-
STAFF POSITIONS																	
A.1.b	Track Inspector	1	100.0%	1333	\$ 84.42	\$ 112.48	\$ 2,999.47	\$ 115,559	75.0%	\$ 86,670	1,000	25.0%	\$ 28,890	333	0.0%	\$ -	-
A.1.b.i	Track Foreman	1	100.0%	1333	\$ 84.42	\$ 112.48	\$ 2,999.47	\$ 115,559	75.0%	\$ 86,670	1,000	25.0%	\$ 28,890	333	0.0%	\$ -	-
A.1.b.ii	Assistant Foreman	1	100.0%	1333	\$ 82.77	\$ 110.34	\$ 2,942.40	\$ 113,302	75.0%	\$ 84,977	1,000	25.0%	\$ 28,326	333	0.0%	\$ -	-
A.1.b.iii	Track Laborers	3	100.0%	3920	\$ 76.97	\$ 101.76	\$ 3,138.27	\$ 304,861	75.0%	\$ 228,646	2,940	25.0%	\$ 76,215	980	0.0%	\$ -	-
A.1.b.iv	Equipment Operators	1	100.0%	1067	\$ 104.37	\$ 131.65	\$ 2,808.53	\$ 114,137	75.0%	\$ 85,602	800	25.0%	\$ 28,534	267	0.0%	\$ -	-
A.1.b.v	Welder	1	100.0%	1333	\$ 81.40	\$ 108.19	\$ 2,885.07	\$ 111,418	100.0%	\$ 111,418	1,333	0.0%	\$ -	-	0.0%	\$ -	-
A.1.b.vi	Welder Helper	1	100.0%	1333	\$ 76.97	\$ 101.76	\$ 2,713.60	\$ 105,340	100.0%	\$ 105,340	1,333	0.0%	\$ -	-	0.0%	\$ -	-
A.1.b.vii	Laborer (Graffiti/Pump Station)	1	100.0%	1307	\$ 76.97	\$ 101.76	\$ 1,322.88	\$ 101,897	0.0%	\$ -	-	100.0%	\$ 101,897	1,307	0.0%	\$ -	-
A.1.b.viii	Bridge Inspector	1	Part-time	53	\$ 157.16	\$ -	\$ -	\$ 8,382	20.0%	\$ 1,676	11	80.0%	\$ 6,705	43	0.0%	\$ -	-
SUBTOTAL A:								\$ 1,623,512		\$ 1,120,025	12,434		\$ 489,871	5,196		\$ 13,616	133

Note: May 1 to December 31, 2019 (8.0 months)

EXISTING CONTRACTOR B		Positions	Needed Portion	EST Hours	Hourly RATE	OT RATE	OT VALUE	2019 VALUE	Share	Rail Cost	Hours	Share	Non-Rail Cost	Hours	Share	ACTA Operating Budget Cost			Hours
MANAGEMENT POSITIONS																			
B.1.a.i	Contract Manager	1	100.0%	750	\$ 148.63	N/A	N/A	\$ 111,469	70.0%	\$ 78,028	525	25.0%	\$ 27,867	188	5.0%	\$	5,573	38	
B.1.a.ii	Track Superintendent	1	100.0%	767	\$ 103.04	N/A	N/A	\$ 78,999	75.0%	\$ 59,249	575	25.0%	\$ 19,750	192	0.0%	\$	-		
B.1.a.iii	Bridge Supt. / Safety	1	100.0%	750	\$ 109.24	N/A	N/A	\$ 81,930	20.0%	\$ 16,386	150	80.0%	\$ 65,544	600	0.0%	\$	-		
B.1.a.iv	Office Manager	1	100.0%	783	\$ 59.91	N/A	N/A	\$ 46,930	70.0%	\$ 32,851	548	25.0%	\$ 11,733	196	5.0%	\$	2,347	39	
STAFF POSITIONS																			
B.1.b.	Track Inspector	1	100.0%	833	\$ 65.68	\$ 98.53	\$ 5,747.42	\$ 60,485	75.0%	\$ 45,364	625	25.0%	\$ 15,121	208	0.0%	\$	-		
B.1.b.i	Track Foreman	1	100.0%	833	\$ 64.06	\$ 96.08	\$ 5,604.93	\$ 58,985	75.0%	\$ 44,239	625	25.0%	\$ 14,746	208	0.0%	\$	-		
B.1.b.ii	Assistant Foreman	1	100.0%	833	\$ 54.83	\$ 82.24	\$ 4,112.09	\$ 49,802	75.0%	\$ 37,351	625	25.0%	\$ 12,450	208	0.0%	\$	-		
B.1.b.iii	Track Laborers	3	100.0%	2450	\$ 51.57	\$ 77.36	\$ 11,371.35	\$ 137,720	75.0%	\$ 103,290	1,838	25.0%	\$ 34,430	613	0.0%	\$	-		
B.1.b.iv	Equipment Operators	1	100.0%	833	\$ 81.70	\$ 122.55	\$ 6,127.42	\$ 74,210	75.0%	\$ 55,657	625	25.0%	\$ 18,552	208	0.0%	\$	-		
B.1.b.v	Welder	1	100.0%	833	\$ 63.51	\$ 95.27	\$ 4,763.51	\$ 57,691	100.0%	\$ 57,691	833	0.0%	\$ -	-	0.0%	\$	-		
B.1.b.vi	Welder Helper	1	100.0%	833	\$ 51.58	\$ 77.36	\$ 3,868.19	\$ 46,848	100.0%	\$ 46,848	833	0.0%	\$ -	-	0.0%	\$	-		
B.1.b.vii	Laborer (Graffiti/Pump Station)	1	100.0%	833	\$ 51.57	\$ 77.36	\$ 3,867.81	\$ 46,843	0.0%	\$ -	-	100.0%	\$ 46,843	833	0.0%	\$	-		
SUBTOTAL B:								\$ 851,912		\$ 576,955	7,803		\$ 267,037	3,454		\$ 7,920	77		

Note: January 1 to May 31, 2019 (5.0 months)

TOTAL A + B Labor:	\$	2,475,424	\$	1,696,980	20,237	\$	756,908	8,650	\$	21,536	210
2019 Original Approved Labor Budget	\$	2,044,588	\$	1,384,692	18,726	\$	640,889	8,290	\$	19,008	184
Variance	\$	430,835	\$	312,288	1,511	\$	116,019	360	\$	2,528	26

II. ESTIMATED COST CENTERS FOR 2019

NEW CONTRACTOR A					R.R. M&O - Rail			Res. Acct. Non-Rail			ACTA Operating Budget		
					Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	
A.2.a.	Administrative Burden	(included in FBLR)	\$	-	70.0%	\$	-	25.0%	\$	-	5.0%	\$	-
A.2.a.i.	Accounting Support (Billing Clerk)	(included in FBLR)	\$	-	70.0%	\$	-	25.0%	\$	-	5.0%	\$	-
A.2.b.	Pump Station Maintenance		\$	3,560	0.0%	\$	-	100.0%	\$	3,560	0.0%	\$	-
A.2.b.i.	Pump Station Repairs & Supplies		\$	17,833	0.0%	\$	-	100.0%	\$	17,833	0.0%	\$	-
A.2.c.	AEI & Misc. Maint-AAR Unit Count-757 Units @ \$227/Unit		\$	114,559	0.0%	\$	-	0.0%	\$	-	100.0%	\$	114,559
A.2.d.	Rail Flaw Detection (Subcontractor)		\$	26,667	100.0%	\$	26,667	0.0%	\$	-	0.0%	\$	-
A.2.e.	Graffiti Control		\$	10,893	0.0%	\$	-	100.0%	\$	10,893	0.0%	\$	-
A.2.f.	Weed Abatement (Subcontractor)		\$	15,750	80.0%	\$	12,600	20.0%	\$	3,150	0.0%	\$	-
A.2.g.	Safety Training		\$	16,000	85.0%	\$	13,600	15.0%	\$	2,400	0.0%	\$	-
A.2.h.	Safety Management		\$	7,700	85.0%	\$	6,545	15.0%	\$	1,155	0.0%	\$	-
A.2.i.	Vehicles												
A.2.i.i	Contract Manager		\$	12,288	70.0%	\$	8,602	25.0%	\$	3,072	5.0%	\$	614
A.2.i.ii	Track Superintendent		\$	15,480	75.0%	\$	11,610	25.0%	\$	3,870	0.0%	\$	-
A.2.i.iii	Welding Truck		\$	43,200	100.0%	\$	43,200	0.0%	\$	-	0.0%	\$	-
A.2.i.iv	Track Foreman		\$	15,480	75.0%	\$	11,610	25.0%	\$	3,870	0.0%	\$	-
A.2.i.v.	Assistant Track Foreman		\$	14,040	75.0%	\$	10,530	25.0%	\$	3,510	0.0%	\$	-
A.2.i.vi	Track Inspector		\$	20,120	75.0%	\$	15,090	25.0%	\$	5,030	0.0%	\$	-
A.2.k.	Bridge Superintendent/Safety Vehicle		\$	12,288	20.0%	\$	2,458	80.0%	\$	9,830	0.0%	\$	-
A.2.l.	Full Time Equipment		\$	115,360	80.0%	\$	92,288	20.0%	\$	23,072	0.0%	\$	-
A.2.m.	Maint. Program Rail Grinding - Loram (1/2 of Capital cost, see 3.f.)		\$	-	100.0%	\$	-	0.0%	\$	-	0.0%	\$	-
A.2.n	Track Materials / Supplies & Rentals		\$	175,120	100.0%	\$	175,120	0.0%	\$	-	0.0%	\$	-
A.2.o.	Signal Maintenance - AAR Unit Count - 4901 Units @ \$189/Unit		\$	617,526	100.0%	\$	617,526	0.0%	\$	-	0.0%	\$	-
A.2.p	Ladder / Fence / Traffic Support		\$	176,750	0.0%	\$	-	100.0%	\$	176,750	0.0%	\$	-
A.2.q.	Security (Trench Cameras)		\$	14,667	70.0%	\$	10,267	25.0%	\$	3,667	5.0%	\$	733
A.2.r.	Security & Yard/Office Maintenance & Support		\$	121,590	100.0%	\$	121,590	0.0%	\$	-	0.0%	\$	-
A.2.s.	Underwater Bridge Inspection (Every 5 years-last inspection 2018)		\$	-	100.0%	\$	-	0.0%	\$	-	0.0%	\$	-
A.2.t.	Trench Ditch Cleaning		\$	45,641	0.0%	\$	-	100.0%	\$	45,641	0.0%	\$	-
A.2.v.	Replace Signal Wire on Corridor		\$	13,333	100.0%	\$	13,333	0.0%	\$	-	0.0%	\$	-
A.2.w.	Railroad Reporting & Record Keeping Software System		\$	11,000	100.0%	\$	11,000	0.0%	\$	-	0.0%	\$	-
A.2.x.	Railroad Emergency Drill Exercise		\$	-	100.0%	\$	-	0.0%	\$	-	0.0%	\$	-
A.2.y.	PTC Support at CP W&E Redondo (UP only unless BNSF also requests data)		\$	-	100.0%	\$	-	0.0%	\$	-	0.0%	\$	-
A.2.aa.	AEI Readers Upgrade		\$	15,750	100.0%	\$	15,750	0.0%	\$	-	0.0%	\$	-
A.2.bb.	Mobilization		\$	85,000	100.0%	\$	85,000	0.0%	\$	-	0.0%	\$	-
A.2.cc.	Bridge Management Plan		\$	25,700	20.0%	\$	5,140	80.0%	\$	20,560	0.0%	\$	-
SUBTOTAL A:					\$	1,763,295	\$	1,309,525	\$	337,863	\$	115,907	

EXISTING CONTRACTOR B

B.2.a.	Administrative Burden		\$	32,288	70.0%	\$	22,601	25.0%	\$	8,072	5.0%	\$	1,614
B.2.a.i.	Accounting Support (Billing Clerk)		\$	18,750	70.0%	\$	13,125	25.0%	\$	4,688	5.0%	\$	938
B.2.b.	Pump Station Maintenance		\$	5,993	0.0%	\$	-	100.0%	\$	5,993	0.0%	\$	-
B.2.b.i.	Pump Station Repairs & Supplies		\$	10,938	0.0%	\$	-	100.0%	\$	10,938	0.0%	\$	-
B.2.c.	AEI & Misc. Maint-AAR Unit Count-757 Units @ \$222/Unit		\$	70,023	0.0%	\$	-	0.0%	\$	-	100.0%	\$	70,023
B.2.d.	Rail Flaw Detection		\$	13,333	100.0%	\$	13,333	0.0%	\$	-	0.0%	\$	-
B.2.e.	Graffiti Control		\$	10,368	0.0%	\$	-	100.0%	\$	10,368	0.0%	\$	-
B.2.f.	Weed Abatement		\$	12,500	80.0%	\$	10,000	20.0%	\$	2,500	0.0%	\$	-
B.2.g.	Safety Training		\$	10,450	85.0%	\$	8,883	15.0%	\$	1,568	0.0%	\$	-
B.2.h.	Safety Management		\$	10,775	85.0%	\$	9,159	15.0%	\$	1,616	0.0%	\$	-
B.2.i.	Vehicles												
B.2.i.i	Contract Manager		\$	11,471	70.0%	\$	8,030	25.0%	\$	2,868	5.0%	\$	574
B.2.i.ii	Track Superintendent		\$	16,805	75.0%	\$	12,604	25.0%	\$	4,201	0.0%	\$	-
B.2.i.iii	Welding Truck		\$	17,810	100.0%	\$	17,810	0.0%	\$	-	0.0%	\$	-
B.2.i.iv	Track Foreman		\$	15,385	75.0%	\$	11,539	25.0%	\$	3,846	0.0%	\$	-
B.2.i.v.	Assistant Track Foreman		\$	15,555	75.0%	\$	11,666	25.0%	\$	3,889	0.0%	\$	-
B.2.i.vi	Track Inspector		\$	15,430	75.0%	\$	11,573	25.0%	\$	3,858	0.0%	\$	-
B.2.k.	Bridge Superintendent/Safety Vehicle		\$	10,425	20.0%	\$	2,085	80.0%	\$	8,340	0.0%	\$	-
B.2.l.	Full Time Equipment		\$	33,825	80.0%	\$	27,060	20.0%	\$	6,765	0.0%	\$	-
B.2.m.	Maint. Program Rail Grinding - Loram (1/2 of Capital cost, see 3.f.)		\$	83,475	100.0%	\$	83,475	0.0%	\$	-	0.0%	\$	-
B.2.n	Track Materials / Supplies & Rentals		\$	104,475	100.0%	\$	104,475	0.0%	\$	-	0.0%	\$	-
B.2.o.	Signal Maintenance - AAR Unit Count - 4901 Units @ \$222/Unit		\$	453,343	100.0%	\$	453,343	0.0%	\$	-	0.0%	\$	-
B.2.p	Ladder / Fence / Traffic Support		\$	69,125	0.0%	\$	-	100.0%	\$	69,125	0.0%	\$	-
B.2.q.	Security (Trench Cameras)		\$	8,750	70.0%	\$	6,125	25.0%	\$	2,188	5.0%	\$	438
B.2.r.	Security & Yard/Office Maintenance & Support		\$	75,994	100.0%	\$	75,994	0.0%	\$	-	0.0%	\$	-
B.2.s.	Underwater Bridge Inspection (Every 5 years-last inspection 2018)		\$	-	100.0%	\$	-	0.0%	\$	-	0.0%	\$	-
B.2.t.	Trench Ditch Cleaning		\$	42,692	0.0%	\$	-	100.0%	\$	42,692	0.0%	\$	-
B.2.v.	Replace Signal Wire on Corridor		\$	8,333	100.0%	\$	8,333	0.0%	\$	-	0.0%	\$	-
B.2.w.	Railroad Reporting & Record Keeping Software System		\$	6,875	100.0%	\$	6,875	0.0%	\$	-	0.0%	\$	-
B.2.x.	Railroad Emergency Drill Exercise		\$	20,000	100.0%	\$	20,000	0.0%	\$	-	0.0%	\$	-
B.2.y.	PTC Support at CP W&E Redondo (UP only unless BNSF also requests data)		\$	2,000	100.0%	\$	2,000	0.0%	\$	-	0.0%	\$	-
B.2.aa.	AEI Readers Upgrade		\$	-	100.0%	\$	-	0.0%	\$	-	0.0%	\$	-
B.2.bb.	Mobilization		\$	-	100.0%	\$	-	0.0%	\$	-	0.0%	\$	-
B.2.cc.	Bridge Management Plan		\$	-	20.0%	\$	-	80.0%	\$	-	0.0%	\$	-
SUBTOTAL B:					\$	1,207,184	\$	940,087	\$	193,512	\$	73,585	

FBLR = Fully Burden Labor Rate

TOTAL A + B - Operating Expenses: \$ 2,970,479

\$ 2,249,611

\$ 531,375

\$ 189,493

2019 Original Approved Operating Budget: \$2,636,859

\$ 2,110,275

\$ 349,979

\$ 176,605

Variance \$ 333,621

\$ 139,336

\$ 181,396

\$ 12,888

III. 2019 CAPITAL BUDGET

NEW CONTRACTOR A			R.R. M&O - Rail			Res. Acct. Non-Rail			ACTA Operating Budget		
			2019	Cost	Hours	Share	Cost	Hours	Share	Cost	Hours
A.3.a.	Surfacing Unit - 23 Days @ \$3,400/Day		\$ 78,200	0.0%	\$ -	100.0%	\$ 78,200		0.0%	\$ -	
	Surfacing Mobilization		\$ 12,500	0.0%	\$ -	100.0%	\$ 12,500		0.0%	\$ -	
A.3.c.i.	Reballast Program (Labor)		\$ 19,967	0.0%	\$ -	100.0%	\$ 19,967		0.0%	\$ -	
A.3.c.ii.	Reballast Program (Operated Equipment)		\$ 15,625	0.0%	\$ -	100.0%	\$ 15,625		0.0%	\$ -	
A.3.d.	Ballast - 500 Tons @ \$36/Ton		\$ 18,000	0.0%	\$ -	100.0%	\$ 18,000		0.0%	\$ -	
A.3.f.	Capital Program Rail Grinding - Loram (1/2 of Railroad M&O cost, see 2.m.)		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
A.3.g.	Track Reballast		\$ 10,925	0.0%	\$ -	100.0%	\$ 10,925		0.0%	\$ -	
A.3.h.	Rail / Switch Component & Tie Replacement		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
A.3.o.	Pump Station Upgrades		\$ 189,000	0.0%	\$ -	100.0%	\$ 189,000		0.0%	\$ -	
A.3.r.	Trench Emergency Ladder/Stair Study/Repairs		\$ 63,000	0.0%	\$ -	100.0%	\$ 63,000		0.0%	\$ -	
A.3.w.	Rehab Henry Ford Crossing @ CP Dominguez		\$ 388,309	0.0%	\$ -	100.0%	\$ 388,309		0.0%	\$ -	
A.3.y.	Signal Battery Replacement (10 Year Program)		\$ 55,000	0.0%	\$ -	100.0%	\$ 55,000		0.0%	\$ -	
A.3.aa.	Retie Crucero to LB Diamond w/ Concrete Ties		\$ 28,533	0.0%	\$ -	100.0%	\$ 28,533		0.0%	\$ -	
A.3.gg.	Curve Rail Replacement		\$ 270,000	0.0%	\$ -	100.0%	\$ 270,000		0.0%	\$ -	
A.3.hh.	Diamond Replacements - West Thenard		\$ 93,661	0.0%	\$ -	100.0%	\$ 93,661		0.0%	\$ -	
A.3.ii.	Signal Circuit Controllers for Switches		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
A.3.jj.	Retie Various Control Points with 10 Ft. Wood Transition Ties		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
A.3.kk.	Upgrade and Refurnish Maintenance Facility		\$ 20,000	0.0%	\$ -	100.0%	\$ 20,000		0.0%	\$ -	
A.3.ll.	Fixed Trench Ladders		\$ 420,000	0.0%	\$ -	100.0%	\$ 420,000		0.0%	\$ -	
A.3.mm.	Misc. Trench Structure Repairs		\$ 63,000	0.0%	\$ -	100.0%	\$ 63,000		0.0%	\$ -	
A.3.nn.	Compton Bridges - Replace Approach and Deck Ties		\$ 250,000	0.0%	\$ -	100.0%	\$ 250,000		0.0%	\$ -	
A.3.oo.	Replacement of M23A Switches		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
SUBTOTAL: A			\$ 1,995,720		\$ -		\$ 1,995,720			\$ -	
EXISTING CONTRACTOR B			2019								
B.3.a.	Surfacing Unit - 23 Days @ \$4,700/Day		\$ 108,100	0.0%	\$ -	100.0%	\$ 108,100		0.0%	\$ -	
	Surfacing Mobilization		\$ 12,500	0.0%	\$ -	100.0%	\$ 12,500		0.0%	\$ -	
B.3.c.i.	Reballast Program (Labor)		\$ 13,300	0.0%	\$ -	100.0%	\$ 13,300		0.0%	\$ -	
B.3.c.ii.	Reballast Program (Operated Equipment)		\$ 15,625	0.0%	\$ -	100.0%	\$ 15,625		0.0%	\$ -	
B.3.d.	Ballast - 500 Tons @ \$36/Ton		\$ 18,000	0.0%	\$ -	100.0%	\$ 18,000		0.0%	\$ -	
B.3.f.	Capital Program Rail Grinding - Loram (1/2 of Railroad M&O cost, see 2.m.)		\$ 83,475	0.0%	\$ -	100.0%	\$ 83,475		0.0%	\$ -	
B.3.g.	Track Reballast		\$ 19,075	0.0%	\$ -	100.0%	\$ 19,075		0.0%	\$ -	
B.3.h.	Rail / Switch Component & Tie Replacement		\$ 253,906	0.0%	\$ -	100.0%	\$ 253,906		0.0%	\$ -	
B.3.o.	Pump Station Upgrades		\$ 21,000	0.0%	\$ -	100.0%	\$ 21,000		0.0%	\$ -	
B.3.r.	Trench Emergency Ladder/Stair Study/Repairs		\$ 63,000	0.0%	\$ -	100.0%	\$ 63,000		0.0%	\$ -	
B.3.w.	Rehab Henry Ford Crossing @ CP Dominguez		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
B.3.y.	Signal Battery Replacement (10 Year Program)		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
B.3.aa.	Retie Crucero to LB Diamond w/ Concrete Ties		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
B.3.gg.	Curve Rail Replacement		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
B.3.hh.	Diamond Replacements - West Thenard		\$ 462,000	0.0%	\$ -	100.0%	\$ 462,000		0.0%	\$ -	
B.3.ii.	Signal Circuit Controllers for Switches		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
B.3.jj.	Retie Various Control Points with 10 Ft. Wood Transition Ties		\$ 36,699	0.0%	\$ -	100.0%	\$ 36,699		0.0%	\$ -	
B.3.kk.	Upgrade and Refurnish Maintenance Facility		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
B.3.ll.	Fixed Trench Ladders		\$ 105,000	0.0%	\$ -	100.0%	\$ 105,000		0.0%	\$ -	
B.3.mm.	Misc. Trench Structure Repairs		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
B.3.nn.	Compton Bridges - Replace Approach and Deck Ties		\$ -	0.0%	\$ -	100.0%	\$ -		0.0%	\$ -	
B.3.oo.	Replacement of M23A Switches		\$ 52,500	0.0%	\$ -	100.0%	\$ 52,500		0.0%	\$ -	
SUBTOTAL: B			\$ 1,264,180		\$ -		\$ 1,264,180			\$ -	
TOTAL A + B - Capital Budget:			\$ 3,259,900		\$ -		\$ 3,259,900			\$ -	
2019 Original Approved Capital Budget:			\$ 3,026,232		\$ -		\$ 3,026,232			\$ -	
Variance			\$ 233,668		\$ -		\$ 233,668			\$ -	
GRAND TOTAL I, II, III:			\$ 8,705,802		\$ 3,946,591		\$ 4,548,183			\$ 211,028	
2019 Original Approved MOW Budget:			\$ 7,707,679		\$ 3,494,967		\$ 4,017,099			\$ 195,613	
Variance			\$ 998,124		\$ 451,624		\$ 531,083			\$ 15,416	
CONTRACTOR A GRAND TOTAL I, II, III:			\$ 5,382,527		\$ 2,429,550		\$ 2,823,454			\$ 129,523	
CONTRACTOR B GRAND TOTAL I, II, III:			\$ 3,323,276		\$ 1,517,042		\$ 1,724,729			\$ 81,505	

Alameda Corridor - Amended 2019 MOW Budget Detail

B.2.a	ADMINISTRATIVE BURDEN	DURATION	QTY	RATE	COST
	Cell Phone Service	Monthly	5	\$ 1,100	\$ 5,500
	Telephone Service	Monthly	5	\$ 950	\$ 4,750
	Office Supplies	Monthly	5	\$ 1,100	\$ 5,500
	Postal Services & Supplies	Monthly	5	\$ 750	\$ 3,750
	Ice / Water & Coffee Supplies	Monthly	5	\$ 1,000	\$ 5,000
	Dump Fees	Monthly	5	\$ 1,250	\$ 6,250
	SUBTOTAL				\$ 30,750
	5% MU				\$ 1,538
	TOTAL				\$ 32,288
A.2.a	ADMINISTRATIVE BURDEN (included in FBLR)	DURATION	QTY	RATE	COST
	TOTAL				\$ -
B.2.a.i	ACCOUNTING SUPPORT	DURATION	QTY	RATE	COST
	Billing Clerk	Monthly	5	\$ 3,750	\$ 18,750
	TOTAL				\$ 18,750
A.2.a.i	ACCOUNTING SUPPORT (included in FBLR)	DURATION	QTY	RATE	COST
	TOTAL				\$ -
B.2.b.	PUMP STATION MAINTENANCE	DURATION	QTY	RATE	
	Vehicle	Monthly	5	\$ 2,397 50%	\$ 5,993
	TOTAL				\$ 5,993
	Note: The vehicle cost is split 50/50 between 2.b. & 2.e.				
A.2.b.	PUMP STATION MAINTENANCE	DURATION	QTY	RATE	
	Vehicle	Monthly	8	\$ 890 50%	\$ 3,560
	TOTAL				\$ 3,560
	Note: The vehicle cost is split 50/50 between 2.b. & 2.e.				
B.2.b.i	PUMP STATION SUPPLIES & REPAIRS				
	Repairs to Pumps (Minor repairs & parts)				\$ 6,250
	Environmental Supplies (Chemicals for water treatment)				\$ 4,167
	SUBTOTAL				\$ 10,417
	5% MU				\$ 521
	TOTAL				\$ 10,938
A.2.b.i	PUMP STATION SUPPLIES & REPAIRS				
	Repairs to Pumps (Minor repairs & parts)				\$ 10,000
	Environmental Supplies (Chemicals for water treatment)				\$ 6,667
	SUBTOTAL				\$ 16,667
	5% MU - Subcontractor*				\$ 500
	10% MU - Materials				\$ 667
	TOTAL				\$ 17,833
B.2.c.	AEI & OTHER MISC MAINTENANCE - AAR UNIT COUNT	QTY	RATE		
	AEI Technician 604 Hours				
	Vehicle				
	Materials				
		757	\$ 222		\$ 70,023
	TOTAL				\$ 70,023
A.2.c.	AEI & OTHER MISC MAINTENANCE - AAR UNIT COUNT	QTY	RATE		
	AEI Technician				
	Vehicle				
	Materials				
		757	\$ 227		\$ 114,559
	TOTAL				\$ 114,559
B.2.d	RAIL FLAW DETECTION (by Subcontractor)				
					\$ 13,333
	TOTAL				\$ 13,333
A.2.d	RAIL FLAW DETECTION (by Subcontractor)				
					\$ 26,667
	TOTAL				\$ 26,667
B.2.e	GRAFFITI CONTROL	DURATION	QTY	RATE	
	Vehicle	Monthly	5	\$ 2,397 50%	\$ 5,993
	Material Costs *		LS		\$ 4,167
	SUBTOTAL				\$ 10,160
	5% MU*				\$ 208
	TOTAL				\$ 10,368
	Note: The vehicle cost is split 50/50 between 2.b. & 2.e.				
A.2.e	GRAFFITI CONTROL	DURATION	QTY	RATE	
	Vehicle	Monthly	8	\$ 890 50%	\$ 3,560
	Materials				\$ 6,667
	SUBTOTAL				\$ 10,227
	10% MU - Materials				\$ 667
	TOTAL				\$ 10,893
	Note: The vehicle cost is split 50/50 between 2.b. & 2.e.				

Alameda Corridor - Amended 2019 MOW Budget Detail

B.2.f WEED ABATEMENT (by Subcontractor)

	\$	12,500
TOTAL	\$	12,500

A.2.f WEED ABATEMENT (by Subcontractor)

	\$	15,000
SUBTOTAL	\$	15,000
5% MU	\$	750
TOTAL	\$	15,750

B.2.g SAFETY TRAINING

DURATION	QTY	RATE	
Training (Classes and seminars)	LS		\$ 6,250
Instructor Lodging & Meals	Days	\$ 2,000	\$ 4,000
SUBTOTAL			\$ 10,250
5% MU*			\$ 200
TOTAL			\$ 10,450

A.2.g SAFETY TRAINING

DURATION	QTY	RATE	
Training (Classes and seminars)	LS		\$ 10,000
Instructor Lodging & Meals	Days	\$ 2,000	\$ 6,000
TOTAL			\$ 16,000

B.2.h SAFETY MANAGEMENT

QTY	RATE	
Safety Supplies & Equipment	LS	\$ 5,000
Drug Testing - Employees	11	\$ 500
SUBTOTAL		\$ 10,500
5% MU*		\$ 275
TOTAL		\$ 10,775

A.2.h SAFETY MANAGEMENT

QTY	RATE	
Safety Supplies & Equipment (included in FBLR)		
Drug Testing - Employees	14	\$ 500
SUBTOTAL		\$ 7,000
10% MU - Materials		\$ 700
TOTAL		\$ 7,700

B.2.i VEHICLES

	Monthly Rate	Registration	Insurance	Fuel Cost	Monthly Cost	YEARLY TOTAL (5 months)
2.i.i Contract Manager	\$ 1,400	\$ 85	\$ 100	\$ 600	\$ 2,185	\$ 10,925
2.i.ii Track Superintendent*	\$ 2,426	\$ 85	\$ 100	\$ 750	\$ 3,361	\$ 16,805
2.i.iii Welding Truck*	\$ 2,877	\$ 85	\$ 100	\$ 500	\$ 3,562	\$ 17,810
2.i.iv Track Foreman*	\$ 2,392	\$ 85	\$ 100	\$ 500	\$ 3,077	\$ 15,385
2.i.v Assistant Track Foreman*	\$ 2,426	\$ 85	\$ 100	\$ 500	\$ 3,111	\$ 15,555
2.i.vi Track Inspector *	\$ 2,251	\$ 85	\$ 100	\$ 650	\$ 3,086	\$ 15,430
SUBTOTAL						\$ 91,910
5% MU (Contract Manager vehicle only)						\$ 546
TOTAL						\$ 92,456

*Denotes Hi-Rail Vehicle

A.2.i VEHICLES

	Monthly Cost	YEARLY TOTAL (8 months)
2.i.i Contract Manager	\$ 1,536	\$ 12,288
2.i.ii Track Superintendent*	\$ 1,935	\$ 15,480
2.i.iii Welding Truck*	\$ 5,400	\$ 43,200
2.i.iv Track Foreman*	\$ 1,935	\$ 15,480
2.i.v Assistant Track Foreman*	\$ 1,755	\$ 14,040
2.i.vi Track Inspector *	\$ 2,515	\$ 20,120
TOTAL		\$ 120,608

*Denotes Hi-Rail Vehicle

B.2.k

	Monthly Rate	Registration	Insurance	Fuel Cost	Monthly Cost	YEARLY TOTAL
Bridge Superintendent/Safety Vehicle	\$ 1,400	\$ 85	\$ 100	\$ 500	\$ 2,085	\$ 10,425
TOTAL						\$ 10,425

A.2.k

	Monthly Cost	YEARLY TOTAL
Bridge Superintendent/Safety Vehicle	\$ 1,536	\$ 12,288
TOTAL		\$ 12,288

B.2.l FULL TIME EQUIPMENT

DURATION	QTY	RATE	
Hi-Rail Grapple/Boom Truck	Monthly	5	\$ 6,765
Total			\$ 33,825

A.2.l FULL TIME EQUIPMENT

DURATION	QTY	RATE	
Hi-Rail Grapple/Boom Truck	Monthly	8	\$ 8,280
Hi-Rail Bucket Truck	Monthly	8	\$ 1,980
Cat 426 Backhoe	Monthly	8	\$ 4,160
Total			\$ 115,360

B.2.m MAINTENANCE PROGRAM RAIL GRINDING-LORAM

DURATION	QTY	RATE	
114 Stone Train	Days	2	\$ 50,000
Fuel	Gallons	6,000	\$ 4
Pre-Grinding Inspection	Days	1	\$ 15,000
Mobilization	LS		\$ 20,000
SUBTOTAL			\$ 159,000
5% MU			\$ 7,950
TOTAL			\$ 166,950

Note: This total is split 50/50 between Railroad M&O 2.m. & Capital 3.f. (\$83,475/each)

A.2.m MAINTENANCE PROGRAM RAIL GRINDING-LORAM

DURATION	QTY	RATE	
(Once per year see B.2.m.)			
TOTAL			\$ -

Alameda Corridor - Amended 2019 MOW Budget Detail

B.2.n. TRACK MATERIALS / SUPPLIES & RENTALS		DURATION	QTY	RATE	
Equipment Rental	Monthly	5	\$	3,200	\$ 16,000
Program Track Materials	Monthly	5	\$	10,000	\$ 50,000
Miscellaneous Track Materials	Monthly	5	\$	3,000	\$ 15,000
Curve Grease	Monthly	5	\$	2,000	\$ 10,000
Supplies & Consumables	Monthly	5	\$	1,700	\$ 8,500
SUBTOTAL					\$ 99,500
5% MU					\$ 4,975
TOTAL					\$ 104,475
A.2.n. TRACK MATERIALS / SUPPLIES & RENTALS		DURATION	QTY	RATE	
Equipment Rental	Monthly	8	\$	3,200	\$ 25,600
Program Track Materials	Monthly	8	\$	10,000	\$ 80,000
Miscellaneous Track Materials	Monthly	8	\$	3,000	\$ 24,000
Curve Grease	Monthly	8	\$	2,000	\$ 16,000
Supplies & Consumables	Monthly	8	\$	1,700	\$ 13,600
SUBTOTAL					\$ 159,200
10% MU - Materials					\$ 15,920
TOTAL					\$ 175,120
B.2.o. SIGNAL MAINTENANCE - AAR UNIT COUNTS (5 months)		QTY	RATE		
Signal Supervisor	650 Hours				
Signal Engineer	303 Hours				
Test Maintainer	780 Hours				
Signal Maintainers (3)	867 Hours				
Vehicles					
Materials					
		4,901	\$	222	\$ 453,343
TOTAL					\$ 453,343
A.2.o. SIGNAL MAINTENANCE - AAR UNIT COUNTS (8 months)		QTY	RATE		
Signal Supervisor					
Signal Engineer					
Test Maintainer					
Signal Maintainers (3)					
Vehicles					
Materials					
		4,901	\$	189	\$ 617,526
TOTAL					\$ 617,526
B.2.p. LADDER / FENCE / TRAFFIC SUPPORT (by Subcontractor)					
Ladder Replacement Parts					\$ 4,167
Traffic Support					\$ 9,167
Fence Replacement/Repair					\$ 52,500
SUBTOTAL					\$ 65,833
5% MU					\$ 3,292
TOTAL					\$ 69,125
A.2.p. LADDER / FENCE / TRAFFIC SUPPORT (by Subcontractor)					
Ladder Replacement Parts					\$ 6,667
Traffic Support					\$ 21,667
Fence Replacement/Repair					\$ 140,000
SUBTOTAL					\$ 168,333
5% MU					\$ 8,417
TOTAL					\$ 176,750
B.2.q. SECURITY (TRENCH CAMERAS)					
Wire Replacement					\$ 2,083
Motion Detector Replacement Parts					\$ 2,083
Camera Replacement Parts					\$ 4,167
SUBTOTAL					\$ 8,333
5% MU					\$ 417
TOTAL					\$ 8,750
A.2.q. SECURITY (TRENCH CAMERAS)					
Wire Replacement					\$ 3,333
Motion Detector Replacement Parts					\$ 3,333
Camera Replacement Parts					\$ 6,667
SUBTOTAL					\$ 13,333
10% MU - Materials					\$ 1,333
TOTAL					\$ 14,667
B.2.r. SECURITY & YARD/OFFICE MAINTENANCE & SUPPORT (by Subcontractor)					
Security Guard Services					\$ 65,833
Janitorial Services					\$ 3,208
HVAC & Building Maintenance (Includes electrical, plumbing, and pest control)					\$ 3,333
SUBTOTAL					\$ 72,375
5% MU					\$ 3,619
TOTAL					\$ 75,994
A.2.r. SECURITY & YARD/OFFICE MAINTENANCE & SUPPORT (by Subcontractor)					
Security Guard Services					\$ 105,333
Janitorial Services					\$ 5,133
HVAC & Building Maintenance (Includes electrical, plumbing, and pest control)					\$ 5,333
SUBTOTAL					\$ 115,800
5% MU					\$ 5,790
TOTAL					\$ 121,590

Alameda Corridor - Amended 2019 MOW Budget Detail

B.2.s. UNDERWATER BRIDGE INSPECTION (EVERY FIVE YEARS - LAST INSPECTION 2018)

Subcontractor	\$	-
TOTAL	\$	-

A.2.s. UNDERWATER BRIDGE INSPECTION (EVERY FIVE YEARS - LAST INSPECTION 2018)

Subcontractor	\$	-
TOTAL	\$	-

B.2.t. TRENCH DITCH CLEANING

	DURATION	QTY	RATE	
Assistant Foreman - BBII inside labor	Hours	62.5	\$ 54.83	\$ 3,427
Track Laborer - BBII inside labor	Hours	62.5	\$ 51.57	\$ 3,223
Hi-Rail Vac Truck	Days	13	\$ 2,450	\$ 30,625
Flagging - BBII inside labor	Days	8	\$ 650	\$ 5,417
TOTAL				\$ 42,692

A.2.t. TRENCH DITCH CLEANING

	DURATION	QTY	RATE	
Assistant Foreman - RW inside labor	Hours	100	\$ 82.77	\$ 8,277
Track Laborer - RW inside labor	Hours	100	\$ 76.97	\$ 7,697
Hi-Rail Vac Truck	Days	20	\$ 1,050	\$ 21,000
Flagging - RW inside labor	Days	13	\$ 650	\$ 8,667
TOTAL				\$ 45,641

B.2.v. REPLACE SIGNAL WIRE ON CORRIDOR

	\$	8,333
TOTAL	\$	8,333

A.2.v. REPLACE SIGNAL WIRE ON CORRIDOR

	\$	13,333
TOTAL	\$	13,333

B.2.w. RAILROAD REPORTING & RECORD KEEPIGN SOFTWARE SYSTEM

	\$	6,875
TOTAL	\$	6,875

A.2.w. RAILROAD REPORTING & RECORD KEEPIGN SOFTWARE SYSTEM

	\$	11,000
TOTAL	\$	11,000

B.2.x. RAILROAD EMERGERNCY DRILL EXERCISE

	\$	20,000
TOTAL	\$	20,000

A.2.x. RAILROAD EMERGERNCY DRILL EXERCISE

	\$	-
TOTAL	\$	-

B.2.y. PTC SUPPORT AT CP W&E REDONDO (UPRR inventory replacement)

	\$	2,000
TOTAL	\$	2,000

A.2.y. PTC SUPPORT AT CP W&E REDONDO (UPRR inventory replacement)

	\$	-
TOTAL	\$	-

B.2.aa. AEI READERS UPGRADE

	\$	-
TOTAL	\$	-

A.2.aa. AEI READERS UPGRADE (by Subcontractor)

	\$	15,000
SUBTOTAL	\$	15,000
5% MU*	\$	750
TOTAL	\$	15,750

B.2.bb. Mobilization (N/A for BBII)

	\$	-
TOTAL	\$	-

A.2.bb. Mobilization

Estimated miscellaneous supportable costs	\$	85,000
TOTAL	\$	85,000

B.2.cc. Bridge Management Plan (N/A for BBII)

	\$	-
TOTAL	\$	-

A.2.cc. Bridge Management Plan (by Subcontractor)

	DURATION	QTY	RATE	
Bridge Supervisor	Hours	80	\$ 305.95	\$ 24,476
SUBTOTAL				\$ 24,476
5% MU				\$ 1,224
TOTAL				\$ 25,700

Alameda Corridor - Amended 2019 MOW Budget Detail

2019 CAPITAL Program

B.3.a. SURFACING PROGRAM		DURATION	QTY	RATE		
Surfacing Unit - BBII labor & machinery		Days	23	\$ 4,700	\$	108,100
Mobilization			LS		\$	12,500
Note: All labor, equipment, and fuel included in daily rate						
TOTAL					\$	120,600
A.3.a. SURFACING PROGRAM		DURATION	QTY	RATE		
Surfacing Unit - RW labor & machinery		Days	23	\$ 3,400	\$	78,200
Mobilization			LS		\$	12,500
Note: All labor, equipment, and fuel included in daily rate						
TOTAL					\$	90,700
B.3.c.i. REBALLAST PROGRAM		DURATION	QTY	RATE		
Assistant Foreman - BBII inside labor		Hours	125	\$ 54.83	\$	6,853
Track Laborer - BBII inside labor		Hours	125	\$ 51.57	\$	6,446
TOTAL					\$	13,300
A.3.c.i. REBALLAST PROGRAM		DURATION	QTY	RATE		
Assistant Foreman - RW inside labor		Hours	125	\$ 82.77	\$	10,346
Track Laborer - RW inside labor		Hours	125	\$ 76.97	\$	9,621
TOTAL					\$	19,967
B.3.c.ii REBALLAST PROGRAM		DURATION	QTY	RATE		
Operated Equipment (includes dump)		Hours	125	\$ 125	\$	15,625
TOTAL					\$	15,625
A.3.c.ii REBALLAST PROGRAM		DURATION	QTY	RATE		
Operated Equipment (includes dump)		Hours	125	\$ 125	\$	15,625
TOTAL					\$	15,625
B.3.d BALLAST		DURATION	QTY	RATE		
Ballast			500	\$ 36	\$	18,000
TOTAL					\$	18,000
A.3.d BALLAST		DURATION	QTY	RATE		
Ballast			500	\$ 36	\$	18,000
TOTAL					\$	18,000
B.3.f. CAPITAL PROGRAM RAIL GRINDING-LORAM		DURATION	QTY	RATE		
114 Stone Train		Days	2	\$ 50,000	\$	100,000
Fuel		Gallons	6,000	\$ 4	\$	24,000
Pre-Grinding Inspection		Days	1	\$ 15,000	\$	15,000
Mobilization			LS		\$	20,000
SUBTOTAL					\$	159,000
5% MU					\$	7,950
TOTAL					\$	166,950
Note: This total is split 50/50 between Railroad M&O 2.m. & Capital 3.f. (\$83,475/each)						
A.3.f. CAPITAL PROGRAM RAIL GRINDING-LORAM		DURATION	QTY	RATE		
(Once per year see B.3.f.)						
TOTAL					\$	-
B.3.g. TRACK REBALLAST		DURATION	QTY	RATE		
Equipment Rental*		Days	5	\$ 1,000	\$	5,000
Hi-Rail Vac Truck		Days	5	\$ 2,450	\$	12,250
Ballast Car Rental*		Days	5	\$ 300	\$	1,500
SUBTOTAL					\$	18,750
5% MU*					\$	325
TOTAL					\$	19,075
A.3.g. TRACK REBALLAST		DURATION	QTY	RATE		
Equipment Rental*		Days	5	\$ 1,000	\$	5,000
Hi-Rail Vac Truck		Days	5	\$ 1,050	\$	5,250
Ballast Car		Days	5	\$ 35	\$	175
SUBTOTAL					\$	10,425
10% MU*					\$	500
TOTAL					\$	10,925
B.3.h. RAIL / SWITCH COMPONENT REPLACEMENT (FROGS AND CONCRETE SWITCH TIES)		QTY	RATE			
#10 RBM Frogs		1	\$ 16,250	\$	16,250	
#14 RBM Frogs		2	\$ 19,250	\$	38,500	
#20 RBM Frogs		2	\$ 23,500	\$	47,000	
Insulators and Tie pads		10,000	\$ 8	\$	80,000	
#14 Switch Ties (2 L.H. & 2 R. H.)		2	\$ 9,096	\$	18,193	
#20 Switch Ties (2 L.H. & 2 R. H.)		2	\$ 9,936	\$	19,873	
Transportation & Tax		LS		\$	22,000	
SUBTOTAL				\$	241,815	
5% MU				\$	12,091	
TOTAL				\$	253,906	
A.3.h. RAIL / SWITCH COMPONENT REPLACEMENT (FROGS AND CONCRETE SWITCH TIES)						
2019 materials ordered by BBII						
TOTAL				\$	-	

Alameda Corridor - Amended 2019 MOW Budget Detail

B.3.o PUMP STATION UPGRADES (by Subcontractor)			
Replace Two Pumps at Greenleaf Pump Station			\$ 13,000
Parts & Materials			\$ 7,000
SUBTOTAL			\$ 20,000
5% MU			\$ 1,000
TOTAL			\$ 21,000
A.3.o PUMP STATION UPGRADES (by Subcontractor)			
Replace Two Pumps at Greenleaf Pump Station			\$ 117,000
Parts & Materials			\$ 63,000
SUBTOTAL			\$ 180,000
5% MU			\$ 9,000
TOTAL			\$ 189,000
B.3.r TRENCH EMERGENCY LADDER/STAIR STUDY/REPAIR (50%) (by Subcontractor)			
			\$ 60,000
SUBTOTAL			\$ 60,000
5% MU			\$ 3,000
TOTAL			\$ 63,000
A.3.r TRENCH EMERGENCY LADDER/STAIR STUDY/REPAIR (50%) (by Subcontractor)			
			\$ 60,000
SUBTOTAL			\$ 60,000
5% MU			\$ 3,000
TOTAL			\$ 63,000
B.3.w. REHAB HENRY FORD CROSSING @ CP DOMINGUEZ			
			\$ -
A.3.w. REHAB HENRY FORD CROSSING @ CP DOMINGUEZ			
Carryover from 2018			
Surfacing- outside labor			\$ 13,649
Labor- inside labor			\$ 31,020
Labor - outside labor			\$ 25,850
Welding - inside labor			\$ 10,340
Subject to 10% MU			
Rail, Ties, & Trim			\$ 52,000
Concrete Crossing Panels (custom designed for curve)			\$ 90,000
Rental Equipment			\$ 20,000
Ballast & Fabric			\$ 5,000
Consultants - as needed			\$ 25,000
Paving & Track Subcontractors			\$ 30,000
Traffic Permits & Mitigation			\$ 40,000
Contingency			\$ 10,000
Clean-up & Tie Disposal			\$ 7,500
SUBTOTAL			\$ 360,359
10% MU			\$ 27,950
TOTAL			\$ 388,309
Note: Engineering and Permit Costs (\$40K) included under Section III. Corridor Operating & Other MOW Cost of O&M Budget			
B.3.y SIGNAL BATTERY REPLACEMENT (10 YR PROGRAM)			
			\$ -
A.3.y SIGNAL BATTERY REPLACEMENT (10 YR PROGRAM)			
			\$ 50,000
SUBTOTAL			\$ 50,000
10% MU			\$ 5,000
TOTAL			\$ 55,000
3.aa. RETIE CRUCERO TO LB DIAMONDS WITH CONCRETE TIES			
	DURATION	QTY	RATE
TOTAL			\$ -
3.aa. RETIE CRUCERO TO LB DIAMONDS WITH CONCRETE TIES			
	DURATION	QTY	RATE
Carryover from 2018			
Track Foreman - RW inside labor	Hours	40	\$ 84.42
Track Laborers - RW inside labor	Hours	130	\$ 76.97
Equipment Operators - RW inside labor	Hours	80	\$ 104.37
Surfacing Unit -RW labor & machinery	Days	2	\$ 3,400.00
TOTAL			\$ 28,533
B.3.gg. CURVE RAIL REPLACEMENT			
	MEASUREMENT	QTY	RATE
TOTAL			\$ -
A.3.gg. CURVE RAIL REPLACEMENT			
	MEASUREMENT	QTY	RATE
Labor, Equipment, & Materials	Linear Feet	6,000	\$ 45
TOTAL			\$ 270,000
B.3.hh. DIAMOND REPLACEMENTS - WEST THENARD			
	DURATION	QTY	RATE
Diamonds - Material		3	\$ 146,667
SUBTOTAL			\$ 440,000
5% MU			\$ 22,000
TOTAL			\$ 462,000

Alameda Corridor - Amended 2019 MOW Budget Detail

A.3.hh. DIAMOND REPLACEMENTS - WEST THENARD		DURATION	QTY	RATE		
Diamonds - Material (by BBII)					\$	-
Labor & Equipment - 2019 Work						
Track Foreman - RW inside labor	Hours	100	\$	84.42	\$	8,442
Track Laborers - RW inside labor	Hours	600	\$	76.97	\$	46,182
Equipment Operators - RW inside labor	Hours	100	\$	104.37	\$	10,437
Equipment	LS	1	\$	15,000	\$	15,000
Surfacing Unit - RW labor & machinery	Days	4	\$	3,400	\$	13,600
TOTAL					\$	93,661
B.3.ii. SIGNAL CIRCUIT CONTROLLERS FOR SWITCHES (In Cycle)					\$	-
TOTAL					\$	-
A.3.ii. SIGNAL CIRCUIT CONTROLLERS FOR SWITCHES (In Cycle)					\$	-
TOTAL					\$	-
B.3.jj. RETIE VARIOUS CONTROL POINTS WITH 10 FT. WOOD TRANSITION TIES		DURATION	QTY	RATE		
Clips, Pads, & Insulators*			LS		\$	5,000
Track Foreman - BBII inside labor	Hours	40	\$	64.06	\$	2,562
Track Laborers - BBII inside labor	Hours	160	\$	51.57	\$	8,251
Equipment Operators - BBII inside labor	Hours	80	\$	81.70	\$	6,536
Surfacing Unit - BBII outside labor & machinery	Days	3	\$	4,700	\$	14,100
SUBTOTAL					\$	36,449
5% MU*					\$	250
TOTAL					\$	36,699
A.3.jj. RETIE VARIOUS CONTROL POINTS WITH 10 FT. WOOD TRANSITION TIES		DURATION	QTY	RATE		
					\$	-
TOTAL					\$	-
B.3.kk. UPGRADE AND REFURNISH MAINTENANCE FACILITY					\$	-
N/A for BBII					\$	-
TOTAL					\$	-
A.3.kk. UPGRADE AND REFURNISH MAINTENANCE FACILITY					\$	20,000
TOTAL					\$	20,000
B.3.ll. FIXED TRENCH LADDERS (by Subcontractor)			QTY	RATE		
Subcontractor Labor, Equipment, & Materials			1	\$ 100,000	\$	100,000
SUBTOTAL					\$	100,000
5% MU					\$	5,000
TOTAL					\$	105,000
Note: (Nine fixed ladders required. If prototype is successful, four additional will be completed in 2019.)						
A.3.ii. FIXED TRENCH LADDERS (by Subcontractor)			QTY	RATE		
Subcontractor Labor, Equipment, & Materials			4	\$ 100,000	\$	400,000
SUBTOTAL					\$	400,000
5% MU					\$	20,000
TOTAL					\$	420,000
B.3.mm. MISC. TRENCH STRUCTURE REPAIRS (by Subcontractor)					\$	-
Labor, Equipment, & Materials					\$	-
TOTAL					\$	-
A.3.mm. MISC. TRENCH STRUCTURE REPAIRS (by Subcontractor)					\$	60,000
Labor, Equipment, & Materials					\$	60,000
SUBTOTAL					\$	60,000
5% MU					\$	3,000
TOTAL					\$	63,000
B.3.nn. COMPTON BRIDES - REPLACE APPROACH, AND DECK TIES					\$	-
TOTAL					\$	-
A.3.nn. COMPTON BRIDES - REPLACE APPROACH, AND DECK TIES			QTY	RATE		
Labor, Equipment, & Materials			500	\$ 500	\$	250,000
TOTAL					\$	250,000
B.3.oo. REPLACEMENT OF M23A SWITCHES			QTY	RATE		
Materials			2	\$ 25,000	\$	50,000
SUBTOTAL					\$	50,000
5% MU					\$	2,500
TOTAL					\$	52,500
A.3.oo. REPLACEMENT OF M23A SWITCHES					\$	-
TOTAL					\$	-

EXHIBIT 4

**AMENDED AND RESTATED
ALAMEDA CORRIDOR
CAPITAL EXPENSE GUIDELINES
Effective January 1, 2018**

Page intentionally left blank.

Exhibit 4

**AMENDED AND RESTATED
ALAMEDA CORRIDOR
CAPITAL EXPENSE GUIDELINES
Effective January 1, 2018**

WHEREAS, Pursuant to Section 2.5 (b) of the AMENDED AND RESTATED ALAMEDA CORRIDOR USE AND OPERATING AGREEMENT, dated as of December 15, 2016 (the “Use and Operating Agreement”), by and among (i) BNSF RAILWAY COMPANY (formerly known as The Burlington Northern and Santa Fe Railway Company), a Delaware corporation (successor by merger to The Atchison, Topeka and Santa Fe Railway Company) (“BNSF”), (ii) UNION PACIFIC RAILROAD COMPANY, a Delaware corporation (which also is successor by merger to Southern Pacific Transportation Company) (“UP”) (BNSF and UPRR are sometimes collectively referenced as “Railroads”), (iii) THE CITY OF LOS ANGELES, a municipal corporation, acting by and through its BOARD OF HARBOR COMMISSIONERS (“POLA”), (iv) THE CITY OF LONG BEACH, a municipal corporation, acting by and through its BOARD OF HARBOR COMMISSIONERS (“POLB”) (POLA and POLB are sometimes collectively referenced as “Owner”), and (v) ALAMEDA CORRIDOR TRANSPORTATION AUTHORITY, a joint powers authority created under the laws of the State of California (“ACTA”), rules and regulations previously established pursuant to the original Use and Operating Agreement dated as of October 12, 1998 “may be updated or modified from time to time through Mutual Agreement of the Owner and Railroads”. Such previously established rules include guidelines for determining whether the replacement of components of the Rail Corridor will be treated as a capital item, and paid as a Capital Expense, or a maintenance item, and paid as an M&O Charge.

WHEREAS, the Owner and Railroads previously adopted Revised Amended and Restated Capital Expense Guidelines dated June 30 2012 (the “Prior Guidelines”) pursuant to which criteria were established for determining whether the replacement of components are to be treated as Capital Expenses. The Prior Guidelines expire on December 31, 2017.

WHEREAS, pursuant to Section 7 of the Prior Guidelines such Guidelines shall be reviewed, and if appropriate, modified, to take into account (i) any departure from the anticipated performance and operations of the Rail Corridor and/or (ii) changes in accounting standards and policies related to the capitalization of component replacements.

WHEREAS, accordingly, the Owner and Railroads have reviewed the Prior Guidelines and desire to amend the Prior Guidelines as set forth in these Amended and Restated Alameda Corridor Capital Expenses Guidelines. Terms not defined herein shall have the meanings

assigned to such terms in the Use and Operating Agreement.

1. **Authorization for Amended and Restated Guidelines.** Article 1 of the Use and Operating Agreement defines “Capital Expenses” as the costs and expenses incurred in making any capital improvements or betterments, or replacements to the extent that costs and expenses of replacements are determined to be Capital Expenses to the Rail Corridor (other than the Non-Rail Components).
2. **Capital Expenses Defined.** Capital Expenses shall include the costs and expenses incurred in making any capital improvements or betterments, or the replacement of the components of the Rail Corridor listed on Exhibit A hereto. Capital Expenses shall not include the following components:
 - A. Replacement of any component that is the result of warranty work paid for or reimbursed by parties other than ACTA, POLA, POLB, UP and/or BNSF;
 - B. Except where required in connection with the installation of a capital improvement or betterment or the replacement of a component listed on Exhibit A hereto, replacement of any components or conducting any of the activities listed on Exhibit B hereto;
 - C. Replacement of any Non-Rail Component (the treatment and funding of maintenance and capital improvements and replacements of Non-Rail Components shall be determined in accordance with the relevant provisions of the Use and Operating Agreement, including but not limited to Section 7.4);
 - D. Replacement of any component that is the result of a casualty event (including any washout) for which ACTA, POLA, POLB, UP and/or BNSF (or their respective agents) is responsible; or
 - E. Replacement of any component covered under property and/or casualty insurance as described in Section 11.2 of the Use and Operating Agreement.
3. **Treatment of Related Costs.** For purposes of determining the total cost or expense of the replacement of a component under these Revised Amended and Restated Guidelines, related costs will include all material and labor charges, handling charges, shipping costs, taxes, customary overhead and other charges necessary to place such component in service. Business interruption costs, lost opportunity costs and similar costs or charges shall not be included.
4. **Treatment of Salvage Credits.** For purposes of determining the total cost or expense of the replacement of a component under these Revised Amended and Restated Guidelines, any income and/or credits generated by, or otherwise related to, the salvage of such component shall be deducted from the cost or expense of such component.
5. **Components Not Addressed Under the Amended and Restated Guidelines.** In the event a component of the Rail Corridor is not otherwise addressed under these Amended and Restated Guidelines, Mutual Agreement of the Owner and Railroads may be sought by

ACTA to establish additional guidelines or procedures for the treatment of such component (either on a case-by-case basis or by amendment to these Guidelines).

6. **Annual Adjustment of Amounts.** All dollar amounts listed on Exhibit A hereto shall be adjusted annually on January 1 of each year, commencing with January 1, 2019, by gross changes in the Index Rate as compared to that Index Rate in effect on January 1, 2018 (rounded to the nearest \$500). As used herein, the Index Rate shall mean the Producer Price Index – Industrial Commodities Less Fuels Series ID WPV03T15M03 (Base Data 198200), published by the United States Department of Labor, Bureau of Labor Statistics, or such successor index.
7. **Review of Standard.** It is recognized by ACTA, Owner and the Railroads that these Amended and Restated Guidelines are adopted taking into account (i) certain assumptions with respect to the anticipated performance and operations of the Rail Corridor and (ii) current accounting standards and policies related to the capitalization of replacements. Accordingly, Owner and the Railroads shall review these Amended and Restated Guidelines, and if appropriate, be modified by Mutual Agreement of the Owner and Railroads, from time to time to take into account (i) any departure from the anticipated performance and operations of the Rail Corridor and/or (ii) changes in accounting standards and policies related to the capitalization of replacements.
8. **Expiration of Amended and Restated Guidelines.** On or about June 30, 2022, a review of these Amended and Restated Guidelines shall be conducted by Owner and Railroads to determine whether there is a need for any changes or modifications to be made by Mutual Agreement of the Owner and Railroads. If Mutual Agreement by the Owner and Railroads to extend or modify these Amended and Restated Guidelines is not met then these Amended and Restated Guidelines, including any additions, modifications or amendments hereto pursuant to Paragraphs 4 and 6 above, shall automatically expire on December 31, 2022.
9. **Annual Maintenance and Capital Improvement Plan and Budget.** These Amended and Restated Guidelines shall not, and are not intended to, modify, change or otherwise alter the annual obligation under Section 8.3 of the Use and Operating Agreement to prepare or cause to be prepared a plan and budget for the inspection, maintenance, repairs and capital improvements and replacements to the Rail Corridor. These Amended and Restated Guidelines are intended to assist in such planning and budgeting process, but in no way shall these Amended and Restated Guidelines control or otherwise restrict approval or disapproval of any such plan and budget.
10. **Inconsistency with Use and Operating Agreement.** In the event of an inconsistency between any provision of these Amended and Restated Guidelines and the provisions of the Use and Operating Agreement, the provisions of the Use and Operating Agreement shall apply.

EXHIBIT A
REPLACEMENT OF TRACK AND TRACK SUPPORT STRUCTURE COMPONENTS
TO BE TREATED AS CAPITAL EXPENSES*

GRADING

- Programmed replacements (*i.e.*, work in which grading installed exceeds 300 cubic yards per mile)
- Embankment or roadbed stabilization costing more than \$7,000

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if the component meets the above criteria.

OTHER RIGHT-OF-WAY EXPENDITURES

- Installation of paving totaling 40,000 square feet or more
- Protecting dike
- Rip rap (complete installation)
- Retaining and crash walls
- Road crossing surface material (complete replacement)
- Road crossing track and surface material (complete replacement)
- Encasement (complete installation at each location)
- Grade Separations
- Landscaping (complete installation at each location)
- Outside lighting (complete)

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if (i) the component meets the above criteria and (ii) the cost of the component exceeds \$7,000.

BRIDGES, TRESTLES AND CULVERTS

- Bridge superstructure
- Bridge sub-structure
- Replacement of more than 50% of a bridge trestle or approach
- The complete machinery for operating a movable span
- Protecting crib

* As provided in Section 5 of these Amended and Restated Guidelines, the list of components and activities set forth herein is not intended to be exhaustive or all inclusive and any component or activity not otherwise covered herein shall be addressed by Owner and Railroads through Mutual Agreement by the Owner and Railroads in accordance with Section 5.

- Complete culvert, including head/wingwalls, dispersion and trap systems and liners
- Bridge deck
- Bridge walkways

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if (i) the component meets the above criteria and (ii) the cost of the component exceeds \$7,000.

FENCES AND SIGNS

- One continuous mile of right-of-way fence
- One continuous mile of pipeline-with or without pumps
- Signage set/program if the cost exceeds \$7,000

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if the component meets the above criteria.

TIES

- Programmed replacements (*i.e.*, replacement of more than 300 wooden cross ties per mile or 250 concrete cross ties per mile)
- Complete replacement of a turnout or crossover
- Complete replacement of a switch section (*i.e.* from point of switch to toe of frog) if the cost exceeds \$7,000
- Replacement of all ties on a bridge deck

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if the component meets the above criteria.

RAIL AND OTHER TRACK MATERIAL

- 1,320 continuous track feet of rail, including rail welds, first pass rail grinding and other track material
- Turnout or crossover (complete), including rail and other track material
- Complete switch section or rail crossing frog
- Rail and other track material on individual curves regardless of length, including short tangents between connecting curves
- Special items of other track material if the cost of the item exceeds \$7,000
- Track panels, if permanent and rail length exceeds 1,320 continuous track feet
- Rail lubrication applicator (complete) if the cost of the item exceeds \$7,000

- First pass rail grinding, and 50% of the cost of all other annual programmed (tangent and curve) grinding
- Rail line relocation, if the relocation is made for the purpose of reducing curves or grades or eliminating bridges or tunnels or other physical features and if the portion of line being relocated exceeds 1,320 continuous track feet (including related ties, grading and ballast)

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if the component meets the above criteria.

BALLAST

- Ballast replacements other than “skim lift” (i.e. out of face tamping of the track required to achieve a continuous raise of up to 1 inch to restore track surface and line) and other than “spot tamping” (i.e. lifting and tamping short sections of track of up to 215 feet, or a Number 20 turnout, per location, regardless of ballast depth, to restore track surface and line)

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if the component meets the above criteria.

DRAINAGE AND WATER IMPROVEMENTS

- Complete water supply piping system
- A holding tank
- Pump house
- Pumping Machinery – each complete pump installation
- Water tank – each complete installation
- Water treating plant
- Well (including pump)
- Machinery & equipment
- Any individual component over \$7,000
- Drainage improvements one mile or greater in length and costing in excess of \$7,000
- Fire hydrant systems-complete

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if the component meets the above criteria.

MISCELLANEOUS STRUCTURES AND FACILITIES

- A newly completed building
- Each outside installation, water, air, etc. line installation
- Each sewer installation, storm or sanitary

- Complete heating and/or air conditioning system (without ductwork)
- Machinery & equipment
- Each outside lighting installation complete
- Vehicular road
- Pollution abatement equipment-complete
- Catenary systems-complete
- Security and cargo scanning systems-complete
- Scales

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if the component meets the above criteria.

COMMUNICATION SYSTEMS

- Complete mile section (or complete installation if less than a mile) of communication line
- Each mile or complete installation of cable with associated parts
- Each mile or complete installation of conduit and associated parts.
- Complete tower
- Complete installation at each location constituting a separate means of communication, such as radio, radar, carrier telephone, teletype, or other communication system
- Dispatching system
- Testing equipment (if purchased)
- Outside lighting (each complete installation)
- Communications equipment
- Computer software (acquisition or upgrades only)

The costs and expenses incurred in making these replacements shall be considered a Capital Expense if (i) the component meets the above criteria and (ii) the cost of the component exceeds \$7,000.

SIGNALS & INTERLOCKERS

- Interlocking plant
- Interlocking machine
- Signal bridge
- Each side of a highway crossing protection installation
- Traffic control or C.T.C. system installation

- Defect detectors/AEI readers (a complete separate system for the detection of hot-box journals, dragging equipment, high water on tracks, or hot & cold wheels on railroad cars and/or for recording car movements)
- Control board
- Computer equipment
- Stepper
- Code unit
- Signal
- Switch machine

The costs and expenses incurred in making such a replacement shall be a Capital Expense if (i) the component meets the above criteria and (ii) the cost of the component exceeds \$7,000.

EXHIBIT B

COMPONENTS AND ACTIVITIES NOT TO BE TREATED AS CAPITAL EXPENSES*

(Except as provided in Section 2.B. of the Guidelines)

- Track inspections, including visual, ultrasonic, track geometry car and hyrail.
- Signal and/or control system inspections and testing.
- Communication system inspections and testing.
- Bridge, trestle, culvert and other facility inspections.
- Pot holing and/or soil sampling.
- Vegetation control, including tree trimming/removal.
- Clearing of wrecks and rerailing.
- Right-of-way litter control/removal.
- Shifting and/or relocating of existing track.
- Rail transposition.
- Restoring chipped and/or battered rail ends.
- Track gauging.
- Replacing and/or tightening bolts and/or adjusting/replacing other rail fasteners.
- Replacing and/or resetting spikes and/or rail anchors in existing track.
- Maintaining/refilling rail lubricators.
- Adjusting switches.
- Pumping of excess water or other fluids from the right-of-way.
- Clean up/disposal of hazardous material spills and/or biohazard material.
- Cleaning switches.
- Replacement of broken or defective rails.
- Replacement of partial units or less-than-minimum quantities (as set forth in Exhibit A).
- Repairing insulated joints.
- Ballast regulating.
- Field welding and/or grinding.
- Lubricating joints.
- Repairing engine burns.
- Track shimming.
- Building and other facility maintenance, cleaning, repair, painting and/or landscape maintenance.

* As provided in Section 5 of these Amended and Rested Guidelines, the list of components and activities set forth herein is not intended to be exhaustive or all inclusive and any component or activity not otherwise covered herein shall be addressed by Owner and Railroads through Mutual Agreement of the Owner and Railroads in accordance with Section 5.

- Replacing signal wiring and/or relays.
- Small tools and supplies.
- Automotive and roadway work equipment repairs, maintenance and operation.
- Replacement of signal/communications system batteries.
- Purchase, maintenance and repair of radios, cell phones, Nextel devices, etc.
- Relocation of fiber optic cables and/or conduits.
- Updating/maintaining of signal drawings, track charts and other Facility records.
- Facility utility expense.
- Maintenance and repair of roadways, walkways, handrails and other bridge appurtenances.
- Gauge restraint testing.
- Derailment investigations.
- Work train expenses.
- Fence and gate repairs, maintenance and painting.
- Repair/replacement of crossing gates.
- Maintenance and repair of high/wide load, hot box and dragging equipment detectors and AEI readers.
- Repair of rail sun kinks and/or pull-aparts.
- M&O vehicle and equipment leases, repairs, maintenance and servicing.

EXHIBIT 5

DISPUTE RESOLUTION PROCESS

Page intentionally left blank.

Exhibit 5
Dispute Resolution Process
(Public Contract Code Section 9204)

The parties shall comply with the provisions of Public Contract Code Section 9204, as may be amended from time to time, which provisions as of the Commencement Date, are set forth below:

The Legislature finds and declares that it is in the best interests of the state and its citizens to ensure that all construction business performed on a public works project in the state that is complete and not in dispute is paid in full and in a timely manner.

Notwithstanding any other law, including, but not limited to, Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2, Chapter 10 (commencing with Section 19100) of Part 2, and Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3, this section shall apply to any claim by a Contractor in connection with a public works project.

For purposes of this section:

1. “Claim” means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:
 - (a) A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.
 - (b) Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.
 - (c) Payment of an amount that is disputed by the public entity.
2. “Contractor” means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who has entered into a direct contract with a public entity for a public works project.
3. “Public entity” means, without limitation, except as provided in subparagraph 4. below, a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political

subdivision, public corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency.

4. “Public entity” shall not include the following:
 - (a) The Department of Water Resources as to any project under the jurisdiction of that department.
 - (b) The Department of Transportation as to any project under the jurisdiction of that department.
 - (c) The Department of Parks and Recreation as to any project under the jurisdiction of that department.
 - (d) The Department of Corrections and Rehabilitation with respect to any project under its jurisdiction pursuant to Chapter 11 (commencing with Section 7000) of Title 7 of Part 3 of the Penal Code.
 - (e) The Military Department as to any project under the jurisdiction of that department.
 - (f) The Department of General Services as to all other projects.
 - (g) The High-Speed Rail Authority.
5. “Public works project” means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.
6. “Subcontractor” means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.

The claimant shall furnish reasonable documentation to support the claim.

If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the claimant a written statement identifying the disputed portion and the undisputed portion.

Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph 3., below, shall apply.

1. If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.
2. Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the claimant sharing the associated costs equally. The public entity and claimant shall mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.

This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

3. Failure by the public entity to respond to a claim from a contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this section shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.
4. Amounts not paid in a timely manner as required by this section shall bear interest at 7 percent per annum.
5. If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against a public entity because privity of contract does not exist, the contractor may present to the public entity a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the contractor present a claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to the public entity shall furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the contractor shall notify the subcontractor in writing as to whether the contractor presented the claim to the public entity and, if the original contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

The text of this section or a summary of it shall be set forth in the plans or specifications for any public works project that may give rise to a claim under this section.

A waiver of the rights granted by this section is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute resolution procedures and requirements in addition to the provisions of this section, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in this section.

This section applies to contracts entered into on or after January 1, 2017.

Nothing in this section shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

This section shall remain in effect only until January 1, 2020, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2020, deletes or extends that date.

Page intentionally left blank.

EXHIBIT 6

**SMALL BUSINESS ENTERPRISE (SBE)
REQUIREMENTS**

Page intentionally left blank.

Exhibit 6
Small Business Enterprise (SBE) Requirements

The following SBE requirements shall apply to the Agreement:

1. During the term of the Agreement, the Contractor shall be required to satisfy the SBE participation percentages using the SBE firms listed on its Commitment Plan Form (CPF), unless otherwise modified by written amendment to the Agreement.
2. Any SBE substitutions or changes in the participation percentages require a written amendment to the Agreement.
3. Unless otherwise approved by ACTA, the SBE participation percentages shall apply to each approved annual budget.
4. The Contractor shall submit for review an SBE Monthly Report showing the recent and cumulative dollar value of payments to small businesses.
5. If a firm's SBE status changes during the term of the Agreement, the Contractor shall notify ACTA for a determination as to whether a substitution or an addition shall be required.
6. Nothing herein shall be construed to supersede or limit the requirements for Contractor substitutions provided in Section 4100 et seq. of the California Public Contract Code.
7. ACTA may conduct site visits and interview SBE firms to verify compliance with the Agreement's SBE participation requirements. The Contractor shall ensure cooperation with such monitoring.
8. The Contractor may be considered in material breach of the Agreement for one or more of the following:
 - Failure to submit SBE Monthly Reports;
 - Failure to correct discrepancies found by ACTA in the SBE Monthly Reports;
 - Falsifying or misrepresenting any SBE information provided to ACTA, including information provided to or on the online SBE databases;
 - Substituting SBE firms without prior written ACTA approval; and/or
 - Failure to meet SBE participation percentages as required by the Agreement.

9. In addition to any other remedy ACTA may have under the Agreement or by law or in equity, ACTA, in its sole discretion, may impose any or all of the following provisions against the Contractor if determined by ACTA to be in breach of the Agreement:
- Assess the cost of ACTA's audit of the books and records of the Contractor and the SBE firms claiming certification, where such audit is necessary because the Contractor has failed to timely submit a required SBE Monthly Report;
 - Withhold payment up to 5 percent of each monthly invoice until the Contractor is deemed in compliance with the SBE requirements.

EXHIBIT 7

**REQUEST FOR PROPOSALS
DATED AUGUST 15, 2018**

(Disk to be inserted prior to executed)

Page intentionally left blank.

SCHEDULE 1

**SCHEDULE OF MATERIALS AND
ASSETS DELIVERED
BY ACTA TO CONTRACTOR**

(May be modified prior to execution)

Page intentionally left blank.

**Maintenance Yard Inventory
Rail and OTM
As of April 2, 2019**

Containers 20 ft.

ACTA	4
BBII	6

Signal Huts	6
--------------------	---

Crossing Panels

#2300	5
#4300	6

**Rail Clips,
Insulators &
Pads**

6 Bags

Diamond

3 complete diamond crossing with ties and insulated panels

20 Ft. IJ Plugs	9	(One located at W. Thenard)
------------------------	---	-----------------------------

Guard rail wear/replacements	4
-------------------------------------	---

**Various Sticks of
Rail sizes**

36

20 Ft. Frog	2
14 Ft. Frog	1
10 Ft. Frog	1
#10 Frog	1

**Old Port Concrete
Ties**

50

**Usable Concrete
Ties**

881

Crossing Panels

14 Long Panels
15 Short/Wide Panels

Insulated Joints

2

**Nut and Bolts
(Located in Warehouse)**

Various Sizes of Nuts and Bolts used for a variety of jobs

**Sticks of Rail
At West Thenard
17 Sticks**

11 Sticks 80 ft. long
6 Sticks 240 ft. long

**At CP Alameda
31 Sticks**

31 Sticks all 80 ft. long.

(2/15/2019)

Asset List

Description	AssetID	Serial#	Location/Type/Use
Solar Pan. w/ mtg-volt reg and vandl	347	130802076032317	Installed in the Filed
Solar Pan. w/ mtg-volt reg and vandl	348	130802076032294	Installed in the Filed
Solar Pan. w/ mtg-volt reg and vandl	349	130802076032259	Installed in the Filed
Solar Pan. w/ mtg-volt reg and vandl	350	130802076032313	Installed in the Filed
10K BTU Air Conditioning	352	901TAVY16967	Installed in the Filed
18K BTU A/c unit	367	KK85204308	Installed in the Filed
12,000 BTU A/C Unit	378	KK85204056	Installed in the Filed
12,000 BTU A/C Unit	392	KK85204059	Installed in the Filed
Event Recorder - Miocro-Aide	998	15149	Installed in the Filed
EnGenius Wireless ENH500	1083	12B230151	Installed in the Filed
EnGenius Wireless ENH500	1084	12B230152	Installed in the Filed
Loop Sensor for trench intrusion detectors	1142	140604203	Installed in the Filed
Loop Sensor for trench intrusion detectors	1143	140604204	Installed in the Filed
Loop Sensor for trench intrusion detectors	1144	140604206	Installed in the Filed
Loop Sensor for trench intrusion detectors	1145	140604205	Installed in the Filed
Loop Sensor for trench intrusion detectors	1146	140604202	Installed in the Filed
A/C Unit at Comm building	1189	501TAULE0878	Installed in the Filed
Lorex 4 camera DVR	1195	ND011508004905	Installed in the Filed
Polycomm Phone	1197	0004F2C76757	Installed in the Filed
Pelco C20-CH-6 Camera	1206	52600525	Installed in the Filed
Pelco C20-CH-6 Camera	1207	52602049	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1215	KK55353588	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1216	KK553534497	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1217	KK55353207	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1218	KK55275797	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1219	KK55275968	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1220		Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1221	KK55353209	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1222	KK55158127	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1223	KK55353214	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1224	KK55353206	Installed in the Filed

Asset List

Description	AssetID	Serial#	Location/Type/Use
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1225	KK55158072	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1226	KK55158073	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1227	KK55276091	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1228	KK55758169	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1229	KK55275964	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1230	KK55275960	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1231	KK55275970	Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1232		Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1233		Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1234		Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1235		Installed in the Filed
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1236		Installed in the Filed
Wheel Sensor	1277	2N591R20040	Installed in the Filed
Wheel Sensor	1278	2N591R20041	Installed in the Filed
Solar Pan. w/ mtg-volt reg and vandl	1287	3000102275	Installed in the Filed
Pelco IME229-1ES 2MP Dome Camera	1296	MO6219217051720199	Installed in the Filed
Pelco IME229-1ES 2MP Dome Camera	1297	MO6219217051720200	Installed in the Filed
AEI Transducer	1298		Installed in the Filed
AEI Transducer	1299		Installed in the Filed
AEI Reader	1302	17938932	Installed in the Filed
AEI Reader	1303	18033602	Installed in the Filed
AEI Reader	1304	18033617	Installed in the Filed
Solar Pan. w/ mtg-volt reg and vandl	1431	3000102CRU	Installed in the Filed
Solar Pan. w/ mtg-volt reg and vandl	1432	3000102PER	Installed in the Filed
DEWALT Grinder	1444	DWE402-DG	Installed in the Filed
10K BTU Air Conditioning	351.00	901PAHG17449	Installed in the Filed
Wheel Sensor	1452	2N591R20045	Installed in the Filed
Nortel Phone system at Foote Ave	234	NNTMH100KVQU	IT Related
Nortel Phone system at Foote Ave	235	None	IT Related
Nortel Phone system Wirelwss Unit at Foote Ave	236	NT8B45AC	IT Related
Nortel Phone system Phone Unit at Foote Ave	237	nntmhpg33h4w	IT Related
Nortel Phone system Phone Unit at Foote Ave	238	nntmhpg33h3t	IT Related

Asset List

Description	AssetID	Serial#	Location/Type/Use
Nortel Phone system Phone Unit at Foote Ave	239	nntmhpg33w3c	IT Related
Nortel Phone system Phone Unit at Foote Ave	240	nntmhpg33h3x	IT Related
Nortel Phone system Phone Unit at Foote Ave	241	nntmhpg33h4c	IT Related
Nortel Phone system Phone Unit at Foote Ave	242	nntmhpg33h8p	IT Related
Nortel Phone system Phone Unit at Foote Ave	243	nntmhpg33h3v	IT Related
Nortel Phone system Phone Unit at Foote Ave	244	lbnntmmpc00171	IT Related
Nortel Phone system Phone Unit at Foote Ave	245	lbnntmmpc001tk	IT Related
Nortel Phone system Phone Unit at Foote Ave	246	lbnntmmpc00167	IT Related
Nortel Phone system Phone Unit at Foote Ave	247	lbnntmmpc001w1	IT Related
Nortel Phone system Phone Unit at Foote Ave	248	nntmhpg33w2v	IT Related
Nortel Phone system Phone Unit at Foote Ave	249	nntmhpg33w09	IT Related
Brother 4100e Laser Fax	253	U61639L7J733560	IT Related
DELL D630 Latitude Laptop	269	BCHT7G1	IT Related
19" ACER monitor	298	81007394040	IT Related
Dell Port Replicator	303		IT Related
APC Battery Backup	315	AF0830110662	IT Related
HP 4680 Deskjet	336	CN8CJ9712F	IT Related
24 port Switch	355	EP30J60986GGR1287APP	IT Related
DELL Optiplex 960 Ladder Alarm Server With keyboard tag 361	360	JM88VL1	IT Related
HP P1505 Laser Printer	365	VND3G11252	IT Related
Epson Projector Screen	390	19951818	IT Related
HP LCD monitor	395	TS23388850	IT Related
Port Replicator for Latitude E6500	403		IT Related
DELL Laptop with port replicator	409	2333673802607	IT Related
Wireless Router	421	CSE51K207862	IT Related
422/485 Serial Server	1003	147513014	IT Related
JDSU (Westover) FFL-100 visual fault detector	1024	AA2634	IT Related
Noyes SC-SC Launch Cable	1025	2A27PF002	IT Related
Noyes SC-ST Launch Cable	1026	1Z38PF021	IT Related
JDSU Power Meter OLP-35	1027	X0066	IT Related
JDSU Power Meter OLS-35	1028	R-0569	IT Related
Noyes SC-FC Launch Cable	1031	2A26PF004	IT Related

Asset List

Description	AssetID	Serial#	Location/Type/Use
JDSU OTDR with Power meter module	1032	2324	IT Related
CS-4500i Printer/Copier	1086	NHK2501095	IT Related
Linksys Wi-Fi router	1097	12B10604176386	IT Related
HP Photosmart 6520	1102	CX017A#B1H	IT Related
DELL Latitude E6530 laptop	1115	DG5XTY1	IT Related
HP Laptop ProBook 640 G1 (G4S45UT#ABA)	1179		IT Related
Samsung TV for alarm system Model UN32J4000AF	1184	04173CFG323965A	IT Related
HP 8610 Printer	1185	CN51JE33Q3	IT Related
HP 7612 Printer	1190	CE855600YN	IT Related
HP P2035 Printer	1199	VNB3370343	IT Related
HP 25XW monitor	1202	IM1YZ7357	IT Related
LED TV	1328	60G173130H07185	IT Related
Nyrius Aries Wireless "CORD"	1342	NPCS549	IT Related
32" Samsung TV	1353	08023CLK910596F	IT Related
HP Laptop ProBook 640 G1 (G4S45UT#ABA)	1177		IT Related
HP Laptop ProBook 640 G1 (G4S45UT#ABA)	1178		IT Related
12HST Diamond Crosscut paper shredder model SPLQW120D	275	None	Office Equipment
File cabinet	331	None	Office Equipment
Organizer	332	None	Office Equipment
Organizer	333	None	Office Equipment
Organizer	334	None	Office Equipment
Coffee Brewer	353	VPR0538958	Office Equipment
Drawer	366	None	Office Equipment
Projector Tripod	396		Office Equipment
Paper shredder	404	94209412	Office Equipment
Magna visual Monthly Planning Board	405	none	Office Equipment
Paper Shredder SPL-TXC18A	437	93323263	Office Equipment
Paper Shredder	439	T10120903614	Office Equipment
Laminator	1049	120511VD0043198	Office Equipment
Mid-Back Chair	1159	STA762908	Office Equipment
DYMO Labelmaker	1187	DY2758G1	Office Equipment
Cork Board	1209	None	Office Equipment

Asset List

Description	AssetID	Serial#	Location/Type/Use
Easel Board	1258	EASUP61116	Office Equipment
Floor Mat	1341	none	Office Equipment
4 Vertical Cabinet	252	None	Office Equipment
Stalker Sport Speed Meter	266		Office Equipment
Microwave at Balfour	1104	S3B0525J00604	Office Equipment
12000 BTU LG Brand A/C	343	904TAQP05020	Spare at Foote
12000 BTU LG Brand A/C	344	904TAGH05023	Spare at Foote
12,000 BTU A/C Unit	364	KK852004050	Spare at Foote
Radio	435	PLG043	Spare at Foote
Pelco C10CH-6 Camera	954	AA091775	Spare at Foote
N-Tron	1193	0172626005	Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1237		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1238		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1239		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1240		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1241		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1242		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1243		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1244		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1245		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1246		Spare at Foote
Frigidaire 12,000-BTU Window Air Conditioner ENERGY STAR	1247		Spare at Foote
Pelco 13VD5-50 Lens			Spare at Foote
Refrigerator			Spare at Foote
Quest Technologies Sound Meter Model 1900	57	CC9110014	Tool
Pull On Tool for safelok clip model # 43020	277	None	Tool
Pull On Tool for safelok clip part #004736591	278	None	Tool
Rail Manipulator Tool part #004732319	279	None	Tool
6" Grinder	299	663B49810093	Tool
Drum Pump Model Number 2UY13	301	None	Tool
Roadmaster Level and Gauge	375		Tool
Roadmaster Level and Gauge	376		Tool

Asset List

Description	AssetID	Serial#	Location/Type/Use
Roadmaster Level and Gauge	377		Tool
1/2 HP Utility Pump MFG# 4CB57	389		Tool
Cable Locator	496	9890DLXT	Tool
Echo Handheld Blower	500		Tool
Torque Wrench	503	None	Tool
Torque Wrench	504	None	Tool
Fiber Light L-Com Model DXL10	955	None	Tool
Terminal Tool	1002	ERG4001	Tool
Agilent H-P 8562EC Spectrum Analyzer for testing RF frequencies and radiation. (Maintained by maintance contractor at Foote Ave.)	1085	4103A00454	Tool
Rail Grinder	1132	801	Tool
Connector Prep Tool	1161		Tool
5000 Watt Generator	1173	102199323	Tool
Raiul Puller	1183	GVG-PHX-PJX	Tool
Ratchet Puller	1191	0414NKH	Tool
Rail Grinder	1198	9884141771	Tool
Dewalt Drill	1201	D65998BN2	Tool
Milwaukee M18 18-Volt Lithium-Ion 1/2 in. Cordless Drill Driver Kit	1203	9X4562D5	Tool
Track Input Simulator	1213	1602WA02643	tool
Husky Truck Box Low Profile	1252		Tool
Six Foot FG Step Ladder TIA 300LB	1253		Tool
6' step Ladder	1253		Tool
6000 Watt Generator	1259	1022881775	Tool
6000 Watt Generator	1260	1022881774	Tool
6000 Watt Generator	1261	1022881773	Tool
6000 Watt Generator	1262	1022881772	Tool
Ingersoll Rand Impact Wrentch	1264	IR258B-6	Tool
Full Body Harness with Lanyard	1267	LN-001 and FBH222	Tool
Milwaukee Grinder	1280	663C01G2500017	Tool
Bird43 Wattmeter	1281	None	Tool
Cribbing Bucket	1286	0830RR2	Tool
Short Finder Plus - Basic Unit	1300	323534	Tool

Asset List

Description	AssetID	Serial#	Location/Type/Use
climbing safety tool/device	1313		Tool
Angle Grinder	1316	411657A	Tool
Straight Grinder	1317	663CD181000004	Tool
Dewalt Grinder	1326	1150399	Tool
B-Air Rotomold Airmover	1327	2553.54	Tool
Dewalt Grinder	1333	150151	Tool
Safety Harness	1334	7728-0	Tool
Ryobi Hedge Trimmer	1348	EU18022N110300	Tool
Ryobi trimmer	1428	411631RYTRIM	Tool
Ryobi 18V Drill	1429	18V1111	Tool
Cordless Recip. Saw	1430	AG11122	Tool
Fluke Fiber Inspector Mini	1454	10423039	Tool
Agilent H-P 37718B/002/012/106/601/610, OmniBer 718 Data Communications Tester for T-1, Sonet, data communications circuits		GB00000187	Tool
Agilent Wirescope 350 Combo kit with Fiber Optic probes, for testing Data wiring and Fiber optic cables, Kit Part No.I N2600A150		SG42301921	Tool
BV-7105 camera black and white High-density 1/3" CCD/ 420 TV lines resolution. Automatic elec. Shutter 7 iris control, Noise ratio signal>48dB, min. illumination 0.05 lux F1.4, dimensions 2.08X1.67X3.3			Tool
Protovale CM9 - Concrete Depth Meter	000229A	5900015	Tool
Tape Extensometer Slope Indicator:	020320A	13089	Tool
Epoxy Gun	1435		tool
Pallet Drum Model Number 1645	300	None	
Tripple Meter Kit	1301	37490096	