

AGREEMENT TO FURNISH ENGINEERING CONSULTING SERVICES FOR THE
DESIGN OF REDLANDS BOULEVARD AT ALABAMA STREET AND COLTON AVENUE
IMPROVEMENT PROJECT

This Agreement is made and entered into this 19th day of October, 2004 by and between the City of Redlands, a municipal corporation (hereinafter "City") and Parsons Brinckerhoff Quade & Douglas, Inc. hereinafter ("Consultant").

In consideration of the mutual promises, covenants and conditions hereinafter set forth, City and Consultant agree as follows:

ARTICLE 1 - ENGAGEMENT OF CONSULTANT

- 1.1 City hereby engages Consultant and Consultant hereby accepts the engagement to perform engineering design services for the Redlands Boulevard at Alabama Street and Colton Avenue Improvement Project (the "Services").
- 1.2 The Services shall be performed by Consultant in a professional manner, and Consultant represents that it has the skill and the professional expertise necessary to provide the Services to City at a level of competency presently maintained by other practicing professional consultants in the industry providing like and similar types of services.

ARTICLE 2 - SERVICES OF CONSULTANT

- 2.1 The specific Services which Consultant shall perform are more particularly described in Exhibit "A" entitled "Scope of Services" which is attached hereto and incorporated herein by this reference.
- 2.2 Consultant shall comply with all applicable Federal, State and local laws and regulations in the performance of this Agreement including but not limited to all applicable Labor Code and prevailing wage laws commencing at California Labor Code section 1770 et. seq. and non-discrimination laws including the Americans with Disabilities Act and the Fair Employment and Housing Act.
- 2.3 Consultant further understands that if it violates the provisions of the California Labor Code relating to prevailing wage, that City may enforce the California Labor Code by notice of the withholding of contract payments to Consultant or its subcontractors pursuant to Labor Code sections 1726, 1727 and 1771.6.
- 2.4 Consultant agrees that if it executes an agreement with a subcontractor to perform any of the Services that Consultant shall comply with California Labor Code sections 1775 and 1777.7 by providing the subcontractor with copies of the provisions of Sections 1771, 1775, 1776, 1777.5, 1813 and 1815 of the Labor Code. Consultant acknowledges that the statutory provisions for penalties for failure to comply with state wage and hour laws and to pay prevailing wages may be enforced by City pursuant to Labor Code sections 1775 and 1813.

ARTICLE 3 - RESPONSIBILITIES OF CITY

- 3.1 City shall make available to Consultant information in its possession that is pertinent to the performance of Services.
- 3.2 City will make provisions for Consultant to enter upon City-owned property as required by Consultant to perform the Services.
- 3.3 City designates Tom T. Fujiwara to act as its representative with respect to the Services to be performed under this Agreement.

ARTICLE 4 - PERIOD OF SERVICE

- 4.1 Consultant shall perform the Services in a prompt and diligent manner and in accordance with the schedule set forth in Attachment "B," entitled "Project Schedule."

ARTICLE 5 - PAYMENTS TO THE CONSULTANT

- 5.1 The total compensation for Consultant's performance of the Services shall not exceed the amount of \$ 657,229.00. City shall pay Consultant on a time and materials basis up to such amount, in accordance with Exhibit "C" entitled "Service Fee," and based upon the hourly rates shown in Exhibit "D," entitled "Rate Schedule."
- 5.2 Consultant shall bill City within ten days following the close of each month by submitting an invoice indicating the portion of the Services performed, who performed the Services, indirect costs, and the detailed cost of all Services including backup documentation. Payments by City to Consultant shall be made within 30 days after receipt and approval of Consultant's invoice, by warrant payable to Consultant.
- 5.3 All notices, bills and payments shall be made in writing and may be given by personal delivery or by mail. Notices, bills and payments sent by mail shall be addressed as follows:

City

Tom T. Fujiwara, P.E.
City of Redlands
Public Works Department
PO Box 3005
Redlands, CA 92373

Consultant

Bedros Agopovich
Parsons Brinckerhoff Quade &
Douglas, Inc.
685 East Carnegie Drive
San Bernardino CA 92408

When so addressed, such notices shall be deemed given upon deposit in the United States Mail. Changes may be made in the names and addresses of the person to whom notices and payments are to be given by giving notice pursuant to this section.

ARTICLE 6 - INSURANCE AND INDEMNIFICATION

6.1 Consultant's Insurance to be Primary

All insurance required by this Agreement shall be maintained by Consultant for the duration of this Agreement and shall be primary with respect to City and non-contributing to any insurance or self-insurance maintained by City. Consultant shall not perform any Services pursuant to this Agreement unless and until all required insurance listed below is obtained by Consultant. Consultant shall provide City with Certificates of Insurance and endorsements evidencing such insurance prior to commencement of Services. All insurance policies shall include a provision prohibiting cancellation of the policy except upon thirty (30) days prior written notice to City.

6.2 Workers' Compensation and Employer's Liability

- A. Consultant shall secure and maintain Workers' Compensation and Employer's Liability insurance throughout the duration of this Agreement in amounts which meet statutory requirements with an insurance carrier acceptable to City.
- B. Consultant expressly waives all rights to subrogation against City, its elected officials, employees and volunteers for losses arising from work performed by Consultant for City by expressly waiving Consultant's immunity for injuries to Consultant's employees and agrees that the obligation to indemnify, defend and hold harmless provided for in this Agreement extends to any claim brought by or on behalf of any employee of Consultant. This waiver is mutually negotiated by the parties. This waiver shall not apply to any damage resulting from the negligence of City, its agents and employees. To the extent any of the damages referenced herein were caused by or resulted from the concurrent negligence of City, its agents or employees, the obligations provided herein to indemnify, defend and hold harmless is valid and enforceable only to the extent of the negligence of Consultant, its officers, agents and employees.

6.3 Comprehensive General Liability Insurance. Consultant shall secure and maintain in force throughout the duration of this Agreement comprehensive general liability insurance with carriers acceptable to City. Minimum coverage of one million dollars (\$1,000,000) per occurrence and two million dollars (\$2,000,000) aggregate for public liability, property damage and personal injury is required. Consultant shall obtain an endorsement that City shall be named as an additional insured.

6.4 Professional Liability Insurance. Consultant shall secure and maintain professional liability insurance throughout the duration of this Agreement in the amount of one million dollars (\$1,000,000) per occurrence and two million dollars (\$2,000,000) annual aggregate.

6.5 Business Auto Liability Insurance. Consultant shall have business auto liability coverage, with minimum limits of one million dollars (\$1,000,000) per occurrence, combined single limit for bodily injury liability and property damage liability. This coverage shall include all Consultant-owned vehicles used in connection with the Services, hired and non-owned vehicles, and employee non-ownership vehicles. Consultant shall obtain an endorsement that City shall be named as an

additional insured.

6.6 Assignment and Insurance Requirements. Consultant is expressly prohibited from subletting or assigning any of the Services covered by this Agreement without the express prior written consent of City. In the event of mutual agreement between parties to sublet a portion of the Services, Consultant shall add the subcontractor as an additional insured and provide City with the insurance endorsements prior to any Services being performed by the subcontractor. Assignment does not include printing or other customary reimbursable expenses that may be provided in this Agreement.

6.7 Hold Harmless and Indemnification. Consultant shall defend, indemnify and hold harmless City, its elected officials, officers, employees and agents, from and against any and all actions, claims, demands, lawsuits, losses and liability for damages to persons or property, including costs and attorney fees, that may be asserted or claimed by any person, firm, entity, corporation, political subdivision or other organization arising out of or in connection with Consultant's negligent and/or intentionally wrongful acts or omissions under this Agreement; but excluding such actions, claims, demands, lawsuits and liability for damages to persons or property arising from the negligence or intentionally wrongful acts of City, its officials, employees or agents.

ARTICLE 7 - GENERAL CONSIDERATIONS

- 7.1 In the event any action is commenced to enforce or interpret any of the terms or conditions of this Agreement the prevailing party shall, in addition to any costs and other relief, be entitled to the recovery of its reasonable attorneys' fees.
- 7.2 Consultant's key person to perform the Services is Bedros Agopovich. Consultant agrees that this person shall be made available and assigned to perform the Services and that he shall not be replaced without concurrence from City.
- 7.3 All documents, records, drawings, designs, cost estimates, electronic data files, databases, and other documents developed by Consultant pursuant to this Agreement and any copyright interest in said above described documents, shall become the property of City and shall be delivered to City upon completion of the Services, or upon the request of City. Any reuse of such documents and any use of incomplete documents will be at City's sole risk.
- 7.4 Consultant is for all purposes an independent contractor. Consultant shall supply all tools and instrumentalities required to perform the Services described in this Agreement. All personnel employed by Consultant are for its account only, and in no event shall Consultant or any personnel retained by it be deemed to have been employed by City or engaged by City for the account of or on behalf of City.
- 7.5 Unless earlier terminated, as provided for below, this Agreement shall terminate upon completion and acceptance of the Services by City.
- 7.6 This Agreement may be terminated by City, without cause, by providing five (5) days prior written notice to Consultant (delivered by certified mail, return receipt requested) of intent

to terminate.

- 7.7 If this Agreement is terminated by City, an adjustment to Consultant's compensation shall be made, but (1) no amount shall be allowed for anticipated profit or unperformed services, and (2) any payment due Consultant at the time of termination may be adjusted to the extent of any additional costs to City occasioned by any default by Consultant.
- 7.8 Upon receipt of a termination notice, Consultant shall (1) immediately discontinue all services affected, and (2) within five (5) days of the date of said termination notice, deliver or otherwise make available to City, copies (in both hard copy and electronic form, where applicable) of any data, design calculations, drawings, specifications, reports, estimates, summaries and such other information and materials as may have been accumulated by Consultant in performing the Services required by this Agreement. Consultant shall be compensated on a pro-rata basis for work completed up until notice of termination.
- 7.9 Consultant shall maintain books and accounts of all payroll costs and expenses related to the Services. Such books shall be available at all reasonable times for examination by City at the office of Consultant.
- 7.10 This Agreement, including the Exhibits incorporated herein by reference, represents the entire agreement and understanding between the parties as to the matters contained herein, and any prior negotiations, written proposals or oral agreements relating to such matters are superseded by this Agreement. Any amendment to this Agreement shall be in writing, approved by City Council of City and signed by City and Consultant.
- 7.11 This Agreement shall be governed by and construed in accordance with the laws of the State of California.

IN WITNESS WHEREOF, duly authorized representatives of the City and Consultant have signed in confirmation of this Agreement.

City of Redlands

(Consultant)

By: 
SUSAN PEPPLER
Mayor

By: 
Bedros Agopovich

Attest:

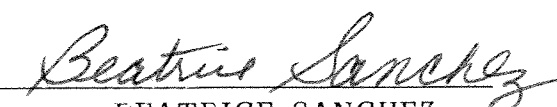

BEATRICE SANCHEZ
Deputy City Clerk

EXHIBIT “A”

SCOPE OF WORK

A. General Conditions

The consultant shall provide a complete set of drawings showing concepts, schematics and design alternatives, including required general details, cost estimates and construction schedules and backup documents for the project.

The general scope of work and related task items for this project are indicated below. It will be up to the consultants to determine what additional tasks may be necessary to deliver the project and include them in their proposal.

Redlands Boulevard at Alabama Street and Colton Avenue Improvements:

The following is a list of parameters for the project:

Redlands Boulevard

- At the Alabama Street intersection, there will be six lanes and dual left turn lanes for east and west bound traffic for a total street width of 104 feet. A 7-1/2-foot wide sidewalk within the eight (8) foot wide parkway will be required on each side (See Attachment "E").
- At Colton Avenue intersection, there will be six lanes and a left turn lane (104-feet wide) for the east bound traffic at the west side of the intersection and transitioning to four lanes on the east side of the intersection matching existing street section (See Attachment "E").
- Install a new eight phase traffic signal to provide an interconnected traffic signal system with a railroad crossing preemption features at Alabama Street intersection. The required traffic signal interconnect shall be with the existing traffic signals at the interchange of I-10 and Alabama Street, requiring coordination with Caltrans, and at the intersections of Alabama Street and Industrial Park Avenue, Orange Tree Lane and Alabama Street, Lugonia Avenue and Alabama Street and proposed signal system at Colton Avenue and Redlands Boulevard intersection. All existing traffic signal wires at the intersection shall be replaced with new.
- Install an interconnected traffic signal system with a railroad crossing preemption features at Colton Avenue intersection.
- Align street improvements at Alabama Street intersection in a such a way to minimize impact on existing businesses.

Alabama Street

- At Redlands Boulevard intersection, there will be six lanes and dual left turn lanes for north and south bound traffic for a total street width of 104 feet. A 7-1/2-foot wide sidewalk within the eight (8) foot wide parkway will be required on each side (See Attachment "E").
- A new, at-grade BNSF railroad crossing will be required.
- Prepare and assist the City to obtain G088 with California Public Utilities Commission.
- Realign street improvements at Redlands Boulevard intersection in a such a way to minimize impact on existing businesses.

Colton Avenue

- At Redlands Boulevard intersection, there will be four lanes of traffic with a median island (64 feet wide roadway) on the north and south sides of the railroad crossing (See Attachment "E").
- A new, at-grade BNSF railroad crossing will be required.
- Prepare and assist the City to obtain G088 with California Public Utilities Commission (CPUC).
- Design Tri-City Center Drive connection to Colton Avenue to allow the left turn in and out movements.
- Realign street improvements at Redlands Boulevard intersection in a such a way to minimize impact on existing businesses.

The following is a list of work to be accomplished by the consultant:

CONCEPTUAL DESIGN PHASE:

1. Attend initial project "kickoff" meeting with City staff.
2. Research and obtain necessary "As-built" plans, maps and documents relative to the project from all affected agencies including the City of Redlands, County of San Bernardino, BNSF Railroad and Caltrans.
3. Identify constraints, which may affect the outcome of the design of the project. This will include contacting all affected agencies, organizations and companies, such as the BNSF Railroad, CPUC, and Caltrans, to verify any constraints.
4. Conduct an aerial topographic survey at 1"=40' scale of the project area. The survey is to include the location and elevation of the existing buildings and structures (street front portion only) on the abutting properties along the project limits.
5. Prepare a base map of the project site showing the topographic survey information, existing utilities, existing property lines and Assessor's Parcel Numbers along the project site.
6. Prepare at least two design concepts for the project with a list of necessary property take for the ultimate rights-of-way, and advantages and disadvantages for each concept. See Final Design Phase, scope of work for detail of the proposed street improvements.
7. Identify those properties to be acquired for the right-of-way and analyze any impact of the property acquisition on the existing businesses.
8. Prepare a preliminary project cost estimate for each of the design concepts. The estimate shall include the approximate cost of the property acquisition for right-of-way purposes as well as construction costs.
9. Present the project design concepts to the City with a brief summary for each of the concepts. The consultant shall furnish and provide all required documents, exhibits and equipment for the presentation.
10. Attend workshop meeting(s) with City staff and other affected individuals as necessary following the project concept presentation to help in the concept selection process.
11. Present the selected project design concept to City Council, if required. The consultant shall furnish and provide all required personnel, exhibits and equipment for the presentation.
12. Provide the project files in an electronic format to the City of Redlands.

FINAL DESIGN PHASE:

1. Prepare a legal description and exhibit for each of the parcels affected by the right-of-way acquisition based on the approved conceptual design of the project.
2. Obtain a Preliminary Title Report for each of the parcels affected by right-of-way acquisition. The City of Redlands will be responsible for obtaining property appraisal information and negotiation to acquire the rights-of-way.
3. Conduct a traffic engineering analysis to determine the proper lengths of the left turn pockets on Redlands Boulevard as well as on Alabama Street.
4. Conduct a geotechnical investigation of the project site and prepare a Geotechnical Report. The Report shall contain recommendations for the preparation of pavement sub-grade, pavement structural sections, utility trenching and backfill, etc.
5. Redlands Boulevard Improvement Requirements:
 - a. Prepare Demolition Plans identifying all items to be demolished, removed and salvaged.
 - b. Design and prepare Street Improvement Plans to provide a 102-foot wide roadway within 120-foot right-of-way extending from 500 feet west of the centerline of Alabama Street to the realigned Colton Avenue. Adequate pavement transition shall be provided at the west and east ends of the roadway widening to match the existing roadway width. The roadway section shall include six lanes of traffic, dual left turn lanes at Alabama Street approaching from the west and east and a 7-1/2-foot wide contiguous, concrete sidewalk within an 8-foot wide parkway on each side of the roadway (see Attachment "E"). The left turn lanes shall be designed to a length satisfactory to provide adequate storage as determined by the traffic engineering analysis. A raised and hardscaped/landscaped, center median shall be required for the area proposed to be widened. The landscaping shall be low maintenance and drought resistant type.
 - c. The roadway shall be designed to the City Standards and Specifications, which include concrete pavement; AC pavement over crushed aggregate base; 8-inch concrete curb and gutter; raised, hardscaped/landscaped center median and a 7-1/2-foot contiguous, concrete sidewalk; pedestrian ramps at intersection; and concrete driveways as necessary. A concrete pavement section of adequate length shall be designed and provided through the intersection of Alabama Street to avoid asphalt pavement rutting and bunching at the intersection approaches. The minimum concrete pavement section length shall extend 150 feet east and west of the centerline of Alabama Street. The existing roadway crown west of Alabama Street shall be ground, removed and replaced as necessary to provide a standard crown. Remove and replace the existing damaged or failed pavement section and resurface the entire AC pavement with asphalt concrete for the project limits.
 - d. Design and prepare Traffic Signal Plans for the installation of a new eight phase traffic signal system at the Alabama Street intersection. The proposed traffic signal system shall be interconnected with the existing traffic signals at the interchange of I-10 and Alabama Street, intersections at Industrial Park Avenue and Alabama Street, at Orange Tree Lane and Alabama Street, at Lugonia Avenue and Alabama Street, and at realigned Colton Avenue and Redlands Boulevard (proposed signal system). Also, the traffic signal system shall be interconnected with the BNSF Railroad crossing signal system on Alabama Street to provide the preemption features.

- e. Design and prepare Traffic Signal Plans for the proposed signal system at the intersection of the realigned Colton Avenue. The signal system shall be interconnected with the traffic signal at the intersection of Alabama Street. Also, it shall be interconnected with the new BNSF Railroad crossing signal system on Colton Avenue to provide the preemption features.
 - f. Design and prepare Pavement Striping Plans.
 - g. Design and prepare Storm Drain Plans to extend the existing 36-inch storm drain located approximately 860 feet west of the centerline of Alabama Street. The storm drain extension shall be at least to the Alabama Street intersection.
 - h. Design and prepare Street Lighting Plans. The lighting shall be 150-watt sodium vapor, spaced $215\pm$ feet apart staggered along both sides of the roadway.
6. Alabama Street Improvement Requirements:
- a. Prepare Demolition Plans identifying all items to be demolished, removed and salvaged.
 - b. Design and prepare Street Improvement Plans to provide a 102-foot wide roadway within 120-foot right-of-way extending from 500 feet south of the centerline of Redland Boulevard to Industrial Park Avenue. Adequate pavement transition shall be provided at the south end of the roadway widening to match the existing roadway width. The roadway section shall include six lanes of traffic; dual left turn lanes at Redlands Boulevard approaching from the north and south; raised, hardscaped/landscaped center median and a 7-1/2-foot contiguous, concrete sidewalk within an 8-foot wide parkway on each side of the roadway (see Attachment "E"). The left turn lanes shall be designed to a length satisfactory to provide adequate storage as determined by the traffic engineering analysis. The landscaping shall be low maintenance and drought resistant type.
 - c. The roadway shall be designed to the City Standards and Specifications, which include concrete pavement, AC pavement over crushed aggregate base, 8-inch concrete curb and gutter, raised median, 7-1/2-foot wide concrete sidewalks, pedestrian ramps at intersection, and concrete driveways as necessary. A concrete pavement section of adequate length shall be designed and provided through the intersection of Redlands Boulevard to avoid asphalt pavement rutting and bunching at the intersection approaches. The minimum concrete pavement section length shall extend 150 feet east and west of the centerline of Redlands Boulevard. The existing roadway crown shall be ground, removed and replaced as necessary to provide a standard crown. Remove and replace the existing damaged or failed pavement section and resurface the entire AC pavement with asphalt concrete for the project limits.
 - d. Design and prepare at-grade Railroad Crossing Plans north of Redlands Boulevard for the BNSF Railroad crossing. The railroad crossing design shall include the installation of concrete median on the north and south sides of the crossing. The design of the crossing shall meet the requirements of the BNSF Railroad and California Public Utilities Commission as well as the City of Redlands. All required permit applications through the affected agencies and entities for the crossing shall be processed for approval. Prepare and assist the City to obtain G088 with California Public Utilities Commission (CPUC).
 - e. Design and prepare Pavement Striping Plans.

- f. Design and prepare Storm Drain Plans for local drainage as required by City Engineer.
- g. Design and prepare Street Lighting Plans. The lighting shall be 150-watt sodium vapor, spaced $215\pm$ feet apart staggered along both sides of the roadway.
- 7. Colton Avenue Improvement Requirements:
 - a. Prepare Demolition Plans identifying all items to be demolished, removed and salvaged.
 - b. Design and prepare Street Improvement Plans to provide a realigned 64-foot wide roadway within 88-foot right-of-way connecting to Redlands Boulevard forming a tee intersection. The roadway section shall include four lanes of traffic, a continuous turn lane along the centerline and a five (5) foot wide sidewalk within the 12-foot wide parkway on each side of the roadway (see Attachment "E").
 - c. The roadway shall be designed to the City Standards and Specifications, which include AC pavement over crushed aggregate base, 8-inch concrete curb and gutter, 7-1/2-foot wide contiguous, concrete sidewalks, pedestrian ramps at intersection, and concrete driveways as necessary. The existing pavement shall be ground, removed and replaced as necessary to provide a smooth transition to match the new pavement.
 - d. Design and prepare at-grade Railroad Crossing Plans north of Redlands Boulevard for the BNSF Railroad. The railroad crossing design shall include the installation of a raised, concrete median on the north and south sides of the crossing. The design of the crossing shall meet the requirements of the BNSF Railroad and California Public Utilities Commission as well as the City of Redlands. All required permit applications through the affected agencies and entities for the crossing shall be processed for approval. Prepare and assist the City to obtain G088 with California Public Utilities Commission (CPUC).
 - e. Design the Tri-City Center Drive (Private Street) connection to Colton Avenue to allow left turn in and out movements for Tri-City Center Drive.
 - f. Design and prepare Pavement Striping Plans.
 - g. Design and prepare Street Tree Plans. The trees are spaced approximately $40\pm$ feet apart and are required on both sides of the roadway.
 - h. Design and prepare Storm Drain Plans for local drainage as required by City Engineer.
 - i. Design and prepare Street Lighting Plans. The lighting shall be 150-watt sodium vapor, spaced $265\pm$ feet apart along one side of the roadway.
- 8. Design and prepare a Construction Phasing Plan for the project. The Plan shall show the phasing of construction to minimize disruption of traffic flow and existing business operations during construction of the project.
- 9. Design and prepare Utility Relocation Plans, if required. In the course of designing the project, if any utility conflicts arise requiring their relocation, such relocation shall be designed and its Utility Relocation Plan prepared.
- 10. Provide the project files in an electronic format (CD-ROM) to the City of Redlands.
- 11. Prepare an Environmental Assessment and Initial Study of the project and assist the City in the preparation and filing of the environmental documents to satisfy the CEQA requirements.

B. Scheduling

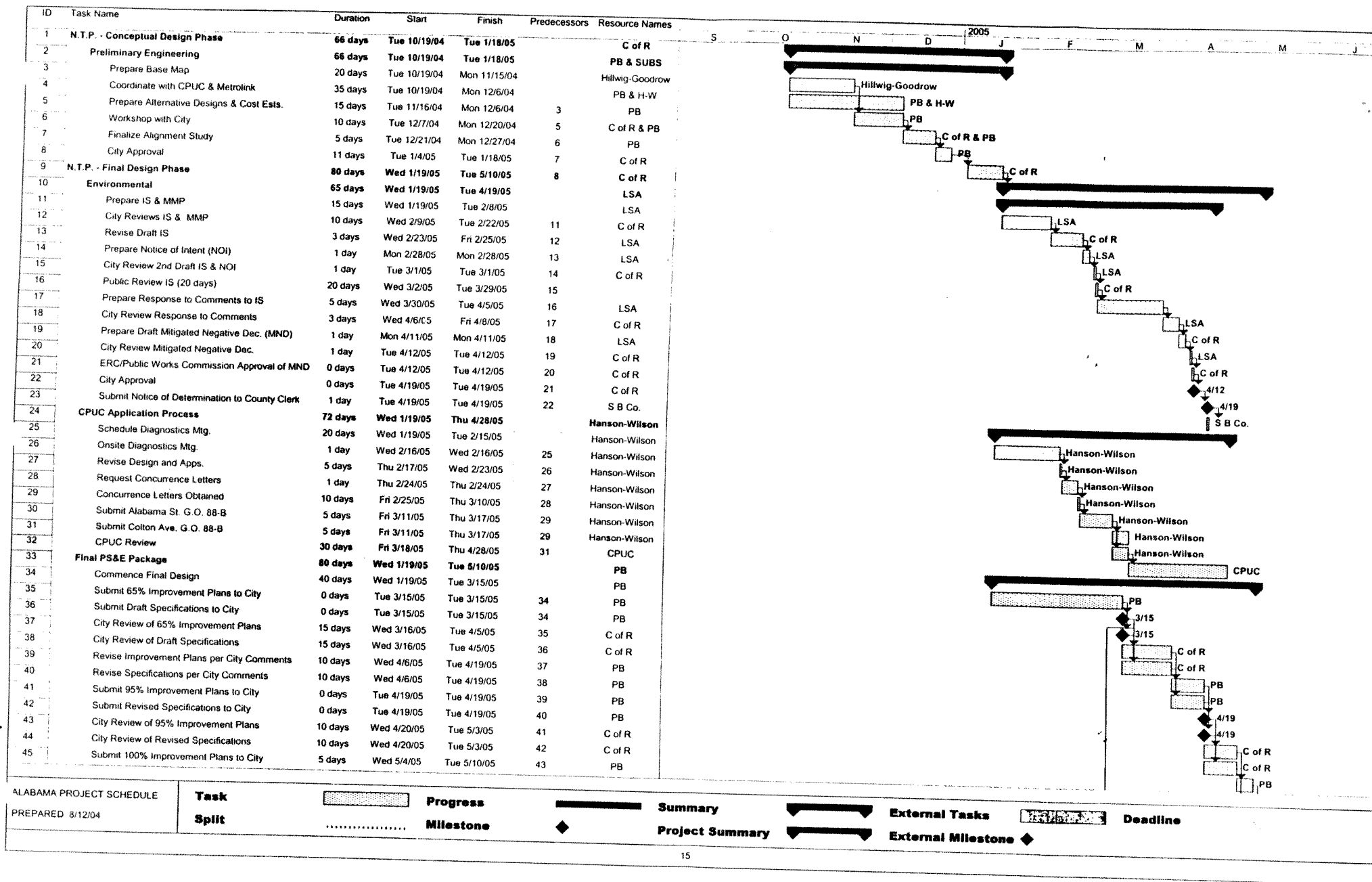
Within two weeks from the Notice to Proceed, the Consultant shall provide a detailed project schedule, which indicates milestones, major activities and delivery dates to the City for review. This schedule will include necessary review times for City staff and all other affected individuals, agencies and companies. The City is interested in accomplishing this project as quickly as possible and the ability of the consultant to meet a tight schedule will be evaluated.

C. Deliverables

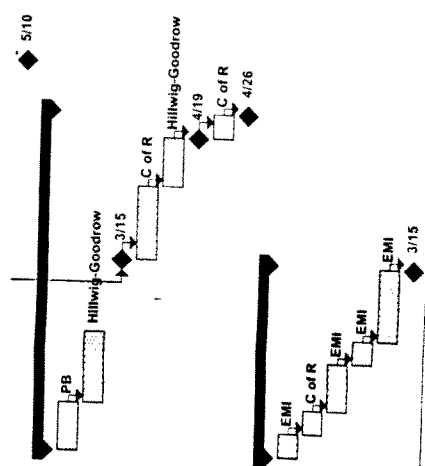
The Consultant shall submit the following to the City through the various concept stages of this contract:

- Preliminary design concept plans (at least two) that include reduced scale drawings and preliminary cost estimates.
- Base Map of the project site.
- Presentation materials and information needed to schedule and conduct any meetings with staff, commissions and the City Council.
- Dimensioned final design concept plans drawn to scale suitable for public presentations and discussion.
- Property legal description, plat map and preliminary title report for each parcel for right-of-way acquisition purposes.
- Geotechnical Report and Traffic Engineering Analysis.
- Demolition Plans for Redlands Boulevard, Alabama Street and Colton Avenue.
- Street Improvement and Storm Drain Plans for Redlands Boulevard, Alabama Street, and Colton Avenue.
- Traffic Signal Plans for the intersections of Alabama Street at Redlands Boulevard and Colton Avenue at Redlands Boulevard.
- Striping, Street Trees, Street Lighting Plans for Alabama Street, Redlands Boulevard and Colton Avenue.
- Construction and Traffic Phasing Plan for the project during construction. The Phasing Plan shall include all applicable Traffic Control Plans.
- Utility Relocation Plans, if required.
- Water Improvement Plans.
- All submittals shall include an electronic copy of all documents in a format acceptable to the City (AutoCad, Excel, MS Word, Word Perfect, etc.)

EXHIBIT “B”



ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
47	Final PS&E Package Approved by City	0 days	Tue 5/10/05	Tue 5/10/05	45, 46	C of R
48	Right of Way Requirements	70 days	Wed 1/19/05	Tue 4/26/05		PB & SUBS
49	Order Preliminary Title Reports (PTR's)	10 days	Wed 1/19/05	Tue 2/1/05		PB
50	Prepare Legal & Plats	15 days	Wed 2/2/05	Tue 2/22/05	49	Hillwig-Goodrow
51	Submit Legal & Plats to City for Review	0 days	Tue 3/15/05	Tue 3/15/05	35	PB
52	City Review of Legal & Plats	15 days	Wed 3/16/05	Tue 4/5/05	51	C of R
53	Revise Legal & Plats per City Comments	10 days	Wed 4/6/05	Tue 4/19/05	52	Hillwig-Goodrow
54	Submit Revised Legal & Plats to City for Review	0 days	Wed 4/20/05	Tue 4/19/05	53	PB
55	City Approval of Legal & Plats	5 days	Wed 4/20/05	Tue 4/26/05	54	C of R
56	City Begins Negotiations with Property Owners	0 days	Tue 4/26/05	Tue 4/26/05	55	C of R
57	Geotechnical	40 days	Wed 1/19/05	Tue 3/15/05		EMI
58	Prepare Boring and Testing Exhibit	5 days	Wed 1/19/05	Tue 1/25/05	58	EMI
59	City Review of Boring and Testing Exhibit	5 days	Wed 1/26/05	Tue 2/1/05	59	C of R
60	Obtain Necessary Permits (BNSF)	10 days	Wed 2/2/05	Tue 2/15/05	60	EMI
61	Perform Field Testing	5 days	Wed 2/16/05	Tue 2/22/05	61	EMI
62	Perform Lab Testing & Prepare Geotech Report	15 days	Wed 2/23/05	Tue 3/15/05	62	EMI
63	Submit Geotech Report to City	0 days	Tue 3/15/05	Tue 3/15/05		PB



Project: Alabama_sched Date: Thu 8/12/04	Task Split	Progress Milestone	Summary Project Summary	External Tasks External Milestone	Deadline
15					

PROJECT SCHEDULE

EXHIBIT “C”

SERVICE FEE

ALABAMA/REDLANDS BLVDS. PROJECT Summary of Both Phases				
STAFF TITLE	TOTAL HOURS		HOURLY RATE	LABOR COSTS
PM	308		\$260	\$80,080
QA/QC	104		\$188	\$19,552
Senior Civil/Drainage Engr.	1,340		\$140	\$187,600
Traffic Supv.	156		\$156	\$24,336
Traffic Designer	340		\$112	\$38,080
Traffic Tech	160		\$85	\$13,600
Eng./CADD Support	1,276		\$78	\$99,528
Project Control & Admin	300		\$88	\$26,400
TOTAL				\$489,176
OTHER DIRECT COSTS (ODC'S):				
	Mileage	300.000	\$0.375	\$113
	Reproduction			\$3,000
	Postage/Deliveries			\$1,000
	Public Mtg. (handouts)			\$1,000
	Traffic ODC's			\$4,100
TOTAL DIRECT COSTS				\$9,213
SUB-CONSULTANTS				
	Hanson Wilson railroad sub-consultant			\$25,294
	Earth Mechanics geotech sub-consultant			\$31,190
	Hillwig-Goodrow survey sub-consultant			\$63,074
	LSA environmental sub-consultant			\$19,020
	STB Landscape Arch. sub-consultant			\$20,262
TOTAL SUB-CONSULTANTS COSTS				\$158,840
GRAND TOTAL				\$657,229

ALABAMA/REDLANDS BLVD. PROJECT
Conceptual Design Phase

STAFF TITLE		TOTAL HOURS		HOURLY RATE	LABOR COSTS
PM		176		\$260	\$45,760
QA/QC		26		\$188	\$4,888
Senior Civil/Drainage Engr.		348		\$140	\$48,720
Traffic Supv		56		\$156	\$8,736
Traffic Designer		0		\$112	\$0
Traffic Tech		92		\$85	\$7,820
Eng/CADD Support		292		\$78	\$22,776
Project Control & Admin.		100		\$88	\$8,800
TOTAL					\$147,500
OTHER DIRECT COSTS (ODC'S):					
	Mileage	200	\$0.375 per mile		\$75
	Reproduction				\$1,500
	Postage/Deliveries				\$500
	Public Mtg. (handouts)				\$1,000
	Traffic ODC'S				\$2,150
TOTAL DIRECT COSTS					\$5,225
SUB-CONSULTANTS					
	Hillwig-Goodrow	survey sub-consultant			\$51,524
	Hanson Wilson	rail road sub-consultant			\$10,154
TOTAL SUB-CONSULTANTS COSTS					\$61,678
CONCEPTUAL DESIGN PHASE TOTAL					\$214,403

ALABAMA/REDLANDS BLVDS. PROJECT
Final Design Phase

STAFF TITLE		TOTAL HOURS		HOURLY RATE	LABOR COSTS
PM		132		\$260	\$34,320
QA/QC		78		\$188	\$14,664
Senior Civil/Drainage Engr.		992		\$140	\$138,880
Traffic Supv		100		\$156	\$15,600
Traffic Designer		340		\$112	\$38,080
Traffic Tech		68		\$85	\$5,780
Eng/CADD Support		984		\$78	\$76,752
Project Control & Admin.		200		\$88	\$17,600
TOTAL					\$341,676
OTHER DIRECT COSTS (ODC'S):					
	Mileage	100	\$0.375 per mile		\$38
	Reproduction				\$1,500
	Postage/Deliveries				\$500
	Traffic ODC's				\$1,950
TOTAL DIRECT COSTS					\$3,988
SUB-CONSULTANTS					
	Hillwig-Goodrow survey sub-consultant				\$11,550
	Earth Mechanics geotech sub-consultant				\$31,190
	Hanson Wilson rail road sub-consultant				\$15,140
	STB Landscape Arch sub-consultant				\$20,262
	LSA environmental sub-consultant				\$19,020
TOTAL SUB-CONSULTANT COSTS					\$97,162
FINAL DESIGN PHASE TOTAL					\$442,826

EXHIBIT “D”



Parsons Brinckerhoff Rate Sheet

- Labor

<u>Category</u>	<u>Billing Hourly Rate/Hr. Range*</u>
Project Principal or Senior Project Manager	\$217-\$290
Project Manager	\$178-\$220
Supervising Engineer	\$148-\$193
Senior Engineer	\$108-\$153
Engineer	\$68-\$104
Supervising Traffic Engineer	\$150-\$160
Traffic Designer	\$108-\$114
Traffic Analyst	\$80-\$90
Technician/CADD	\$71-\$96
Project Control/Administrative	\$72-\$88

**Rates effective through July 2005*

- Direct Costs

- Authorized Travel
 - Air Fare At Actual Cost
 - Car Rental At Actual Cost
 - Lodging/Subsistence At Actual Cost
 - Related Incidentals At Actual Cost
- Use of personal or company vehicle \$0.375/mile
- Reproduction At Actual Cost
- Postage/Courier Service At Actual Cost
- Telephone At Actual Cost
- Parking At Actual Cost

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