

**PUBLIC PRIVATE PARTNERSHIP (P3)  
DESIGN-BUILD-MAINTAIN AGREEMENT**

for

**202 MA 054 H882701C  
SR 202L (SOUTH MOUNTAIN FREEWAY)  
I-10 (MARICOPA FREEWAY) – I-10 (PAPAGO FREEWAY)**

Between



**ARIZONA DEPARTMENT OF TRANSPORTATION**

and

**CONNECTS 202 PARTNERS, LLC**

**TECHNICAL PROVISIONS – TP ATTACHMENTS**

**Dated as of: February 26, 2016**

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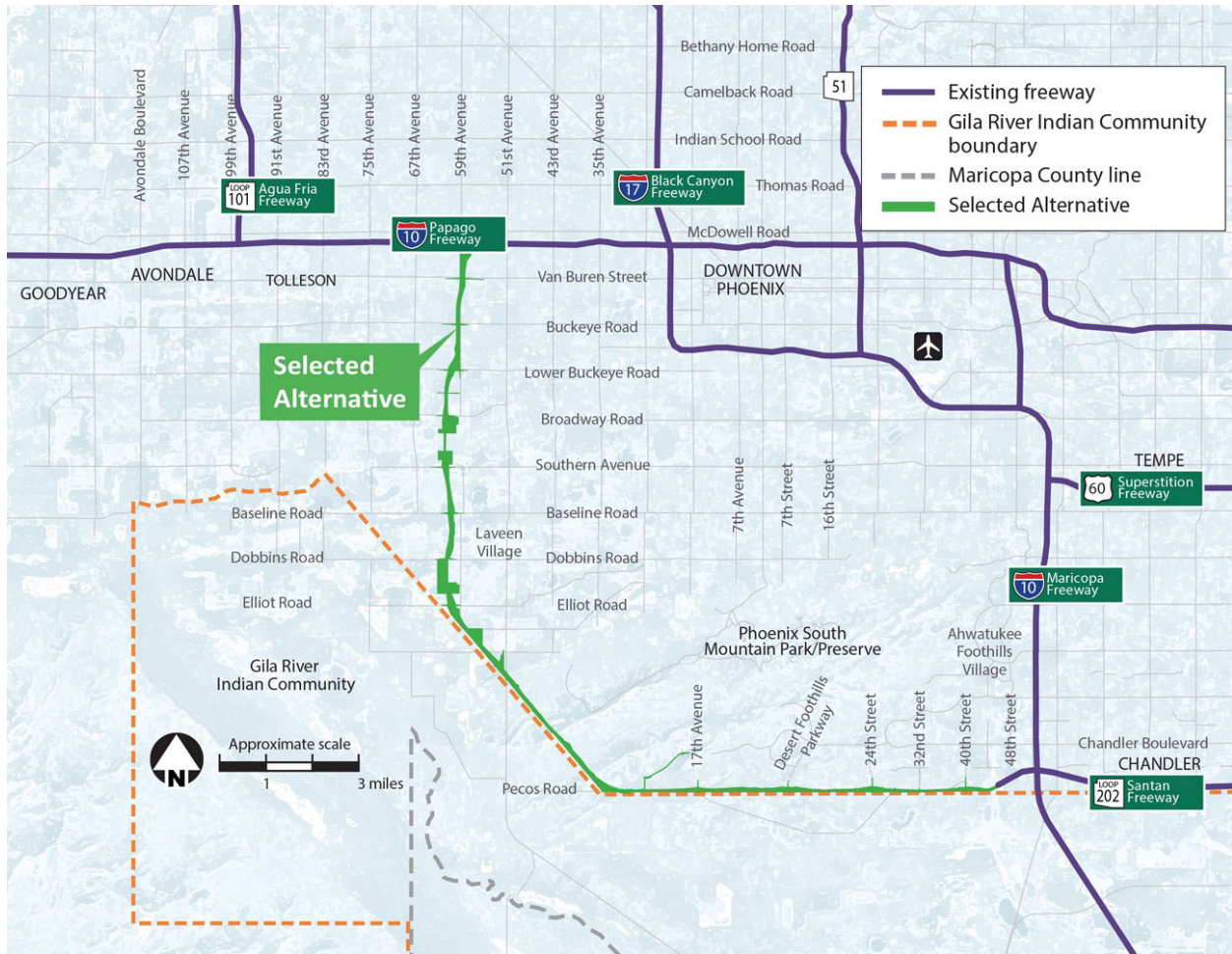
**TP Attachment 110-1 – Project Description**

1 **1 PROJECT DESCRIPTION**

2 In general, the South Mountain Freeway Project (Project) is located in the southwestern portion  
3 of the Phoenix metropolitan area in Maricopa County. The South Mountain Freeway Project  
4 constitutes a section of Loop 202 within the regional freeway and highway system. The Record  
5 of Decision (ROD) for the Project identified as the selected alternative the combination of the  
6 W59 and E1 Alternatives is shown in Figure 1-1.

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**Figure 1-1  
Vicinity Map**



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10 The Project will help address the region's congestion, travel delays, and limited options for  
11 moving people and goods safely through the Phoenix metropolitan region by increasing regional  
12 mobility and capacity by linking regional freeways in the eastern and western portions of the  
13 Phoenix metropolitan area. The connection will further optimize system continuity and the  
14 effectiveness of individual network components, which are important to overall transportation  
15 operation. The Project will reduce the duration of congested conditions on most adjacent  
16 freeways, improve travel times throughout the region, and attract trips from the arterial street  
17 network.

18 The Project is led by the Arizona Department of Transportation (ADOT), in cooperation with the  
19 Maricopa Association of Governments (MAG). ADOT has undertaken certain planning and

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1 preliminary concept work concerning the Project development, which is included in the  
2 Reference Information Documents (RIDs).

### 3 **2 PROJECT STATUS**

4 ADOT has been moving forward with development of the Project for several years, using its own  
5 personnel; retaining consultants; and engaging with stakeholders such as MAG, the municipal  
6 planning organization for Maricopa County, Cities along the Project corridor, resource agencies,  
7 and the public.

8 On April 26, 2013, a notice of availability for the South Mountain Freeway Draft Environmental  
9 Impact Statement (DEIS) was published in the Federal Register. This notice began a 90-day  
10 public comment period. During the comment period, a public hearing was held on May 21, 2013,  
11 at the Phoenix Convention Center; numerous other community outreach events were also held.  
12 The public comment period ended on July 24, 2013.

13 On September 26, 2014, the study team released the Final Environmental Impact Statement  
14 (FEIS) for a 60-day public review period. The FEIS incorporates analysis and conclusions  
15 presented in the DEIS for the proposed action, public comments and responses on the DEIS,  
16 and new information that became available after public release of the DEIS. Each comment  
17 received on the DEIS is accompanied by a response in Volume III of the FEIS. Following the  
18 FEIS review period, the study team considered comments received and prepared a ROD which  
19 was released to the public on March 13, 2015.

20 At the same time as the DEIS publication, the study team also submitted the Initial  
21 Location/Design Concept Report (L/DCR) to ADOT technical groups and agency stakeholders.  
22 The design plans included in the Initial L/DCR represent approximately 15%-level design plans.  
23 The Final L/DCR has been finalized and is included in the RIDs.

### 24 **3 GENERAL PROJECT IMPROVEMENTS**

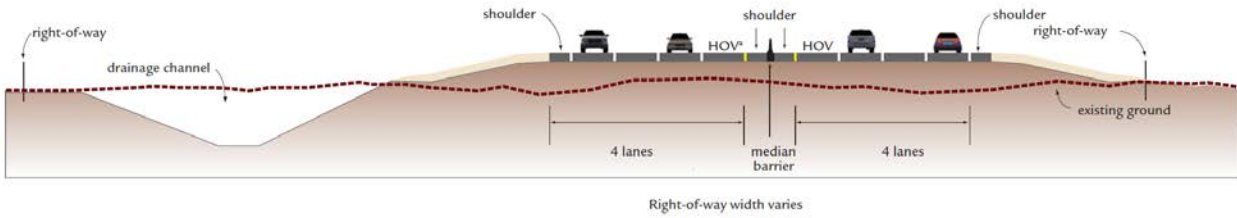
25 The Project will complete the Loop 202 from I-10 (Maricopa Freeway) (milepost MP 54.31) to  
26 I-10 (Papago Freeway) (MP 75.91), a distance of approximately 22 miles, in the southwestern  
27 quadrant of the Phoenix metropolitan area. It will begin at its eastern terminus with the existing  
28 system traffic interchange between I-10 (Maricopa Freeway) and Loop 202 (Santan Freeway).  
29 From this point, it will head westward on the Pecos Road alignment for approximately 8 miles  
30 before heading northwest for approximately 5 miles to a point near the existing Elliot Road and  
31 59th Avenue intersection. The freeway will head north for approximately 9 miles, crossing the  
32 Salt River, and reach its western terminus at a new system traffic interchange with I-10 (Papago  
33 Freeway) near 59th Avenue. The new system traffic interchange will include a direct high-  
34 occupancy vehicle (DHOV) ramp connection to and from the east on I-10. The design of the  
35 system traffic interchange at I-10 is being coordinated with the high-capacity transit corridor  
36 planned for I-10.

37 The roadway typical section consists of eight-lanes with three general purpose lanes and one  
38 high-occupancy vehicle (HOV) lane in each direction (see Figure 3-1). The median is closed  
39 with a concrete median barrier dividing the directions of travel. Entrance and exit ramps are  
40 designed using a parallel-type configuration coupled with auxiliary lanes between service traffic  
41 interchanges, as warranted. The freeway mainline design primarily features a rolling profile with  
42 the freeway rising above grade to cross over the crossroads.

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**Figure 3-1  
Typical Freeway Section**



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4 There are over 50 bridge sites (approximately 77 bridges) along the freeway corridor. Notable  
5 bridges include the Salt River Bridge, which is over 3,000 feet long, multiple bridges over the  
6 Union Pacific Railroad, and the flyover ramps at I-10 (Papago Freeway). Much of this  
7 construction will be over active traffic. There are also five multiuse crossings in the area of the  
8 South Mountains.

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**TP Attachment 110-2 – Materials Quality Assurance Program**

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**ARIZONA DEPARTMENT OF  
TRANSPORTATION**

**MATERIALS QUALITY ASSURANCE  
REQUIREMENTS**

**For the  
LOOP 202 SOUTH MOUNTAIN FREEWAY PROJECT**

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### 1 1 SCOPE

2 It is the objective of this document for the Arizona Department of Transportation (ADOT) to  
3 define the Quality Assurance requirements for the Loop 202 South Mountain Freeway  
4 ("Project"). The Quality Assurance requirements described herein have been developed to  
5 provide consistent implementation and supporting documentation in accordance with the Code  
6 of Federal Regulations (23 CFR 637 Subpart B) – "Quality Assurance Procedures for  
7 Construction" and Federal Highway Administration (FHWA) Technical Advisory T6120.3, which  
8 are available at the following links:

- 9 • 23 CFR 637B - <http://www.ecfr.gov>
- 10 • TA 6120.3 - <http://www.fhwa.dot.gov>

11 This document, established by the Arizona Department of Transportation (ADOT), verifies that  
12 materials and workmanship incorporated into the Project are in reasonable conformance with  
13 the approved plans and specifications, including any approved changes.

14 This document is intended to complement ADOT's Materials Quality Assurance Program and  
15 defines the main components of the Project-specific materials quality assurance program that  
16 involves the collaborative efforts of both the Developer and ADOT. The primary components of  
17 the materials quality assurance program include: quality control (QC) activities by the  
18 Developer, Quality Acceptance activities by an Independent Quality Firm (IQF), and Owner  
19 Verification (OV) activities by ADOT or ADOT's representatives. As noted in Figure 1, the  
20 Quality Acceptance and OV activities constitute the Acceptance Program. The Quality  
21 Acceptance test results performed by the IQF may be used as part of an acceptance decision  
22 only when the Quality Acceptance results are validated by Owner Verification (OV) testing  
23 results activities. As a part of the materials quality assurance program, ADOT will implement a  
24 modified version of their existing Independent Assurance (IA) program, as discussed later in this  
25 document.

26 This document clarifies federal requirements relating to Quality Acceptance and statistical  
27 analysis procedures.

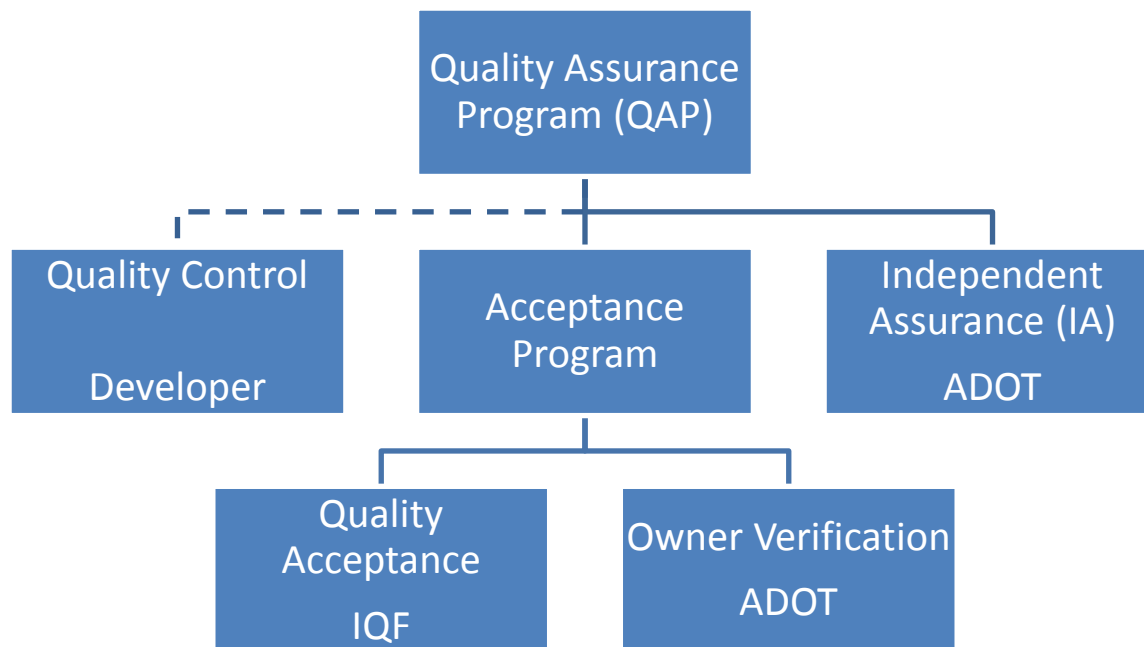
28 A vigorous ADOT Owner Verification program is instrumental to the success of a project where  
29 the use of IQF test results will be used as part of the acceptance decision.

30 The relationships between the parties and functions described in this document are shown in  
31 Figure 1.

32 The acceptance process for the Project is composed of the following main components:

- 33 • Personnel qualifications
- 34 • Laboratory qualifications
- 35 • Approval of Developer's Construction Quality Management Plan (CQMP)
- 36 • Developer QC requirements
- 37 • IQF Quality Acceptance requirements
- 38 • Owner Verification Testing and Inspection Plan (OVTIP)
- 39 • Independent Assurance (IA) program

1 **Figure 1: Components and Relationships in ADOT Materials Quality Assurance Program**



2

3 **2 QUALIFICATION OF TESTING PERSONNEL**

4 All field and laboratory personnel performing sampling or testing of construction materials on the  
5 Project must meet the technician qualification requirements as presented in the Section VII of  
6 the ADOT *Materials Quality Assurance Program* (“Sampling and Testing Personnel Qualification  
7 Requirements”). All personnel who are sampling and testing as a part of the Acceptance  
8 Program must be observed on an annual basis by ADOT’s IA program for the sampling and  
9 testing they perform.

10 In the absence of ATTI certification, individuals who currently possess active certification(s)  
11 under another state’s certification program may be allowed to perform Project activities that  
12 would normally be covered by ATTI certification as part of the acceptance decision on a  
13 provisional basis. This provisional status requires prior approval by ADOT on a case-by-case  
14 basis, and is only applicable to this Project. In order to request provisional approval, the  
15 Developer shall supply the following information to ADOT a minimum of 14 Days before the  
16 individual starts sampling and testing on the Project:

- 17 • Name of the individual
- 18 • Name of the appropriately certified person who will be supervising the individual's work
- 19 • Description of the Work to be performed by the individual, including the type of sampling  
20 and testing the individual is expected to perform
- 21 • List of applicable certifications currently held under another state’s certification program  
22 and expiration dates
- 23 • Differences between the other state certifications and the corresponding ATTI  
24 certifications.
- 25 • Description of how these differences will be managed to avoid errors.

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1 Any authorized provisional approval will be in effect for a maximum of six (6) months from the  
2 time the individual begins working on the Project. By the time this six month period has elapsed,  
3 the individual must have obtained the appropriate ATTI certification(s) in order to be allowed to  
4 continue sampling and testing or materials related inspection on the Project. While in provisional  
5 status, such individuals must be under the direct supervision of someone who has the  
6 appropriate ATTI certification(s). The IQF must obtain this provisional approval from ADOT,  
7 document the certification status of these individuals, and ensure the individuals obtain the  
8 appropriate ATTI certification(s) within the time allotted. Individuals receiving provisional  
9 allowance to perform acceptance work must be observed by ADOT's IA program within the first  
10 14 days from the time the individual begins sampling and testing on the Project.

### 11 **3 QUALIFICATION OF LABORATORIES**

12 All laboratories, including mobile or satellite labs, engaged in sampling or testing of construction  
13 materials on the Project must meet the laboratory qualification requirements as presented in  
14 Section VI of the ADOT Materials Quality Assurance Program ("Laboratory Qualifications") prior  
15 to being utilized on the Project.

16 Laboratories satisfying these requirements, and the specific test methods for which they are  
17 approved, are listed in the ADOT "Directory of Approved Materials Testing Laboratories"  
18 (<https://www.azdot.gov>), which is updated periodically. The Developer is responsible for  
19 confirming the approval status of any laboratories utilized by the Developer, and verifying that  
20 laboratories maintain their approval status over the life of their service on the Project.

21 To avoid an appearance of a conflict of interest, any qualified laboratory and any qualified  
22 personnel must perform only one of the following types of testing on the Project:

- 23 A. Developer Quality Control testing;
- 24 B. IQF Quality Acceptance testing;
- 25 C. ADOT Owner Verification testing;
- 26 D. ADOT Independent Assurance testing; or
- 27 E. Referee testing.

### 28 **4 DEVELOPER'S CONSTRUCTION QUALITY MANAGEMENT PLAN**

29 Developer's Construction Quality Management Plan (CQMP) shall consist of the QC to be  
30 performed by Developer (see Section 5), the Quality Acceptance to be performed by the IQF  
31 (see Section 6), and how such activities will be conducted in conjunction with OV activities (see  
32 Section 7). The CQMP must establish a clear distinction between QC and Quality Acceptance  
33 activities and define roles and responsibilities.

34 Additional information for the technical, review, and approval requirements of Developer's  
35 CQMP may be found in Section GP Section 110.07.2.1.3 of the TPs.

### 36 **5 DEVELOPER QUALITY CONTROL REQUIREMENTS**

37 Developer shall be responsible for the quality of the Work. Project quality will be enhanced  
38 through the daily efforts of all the workers involved with the Work, supported by Developer's  
39 CQMP. Developer's QC portion of the CQMP must include the specific and detailed internal  
40 procedures used by Developer that will ensure that the Work is delivered in accordance with the  
41 RFC Documents. This involves the active participation of the entire work force in working to  
42 achieve "quality" initially and to minimize/eliminate re-work. Developer's QC is not a part of the  
43 Acceptance Program.

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1 Developer's CQMP must establish a systematic approach to define the processes, methods,  
2 procedures, and documentation for delivery of QC on the Project. These methods and  
3 procedures must clearly define the authority and responsibility for the administration of  
4 Developer's QC plan.

### 5 **6 INDEPENDENT QUALITY FIRM QUALITY ACCEPTANCE REQUIREMENTS**

6 The Quality Acceptance on the Project consists of frontline acceptance testing and inspection  
7 being performed by the IQF. Owner Verification (OV) and Quality Acceptance together are the  
8 basis for the acceptance decision. With regard to materials testing, the IQF-performed Quality  
9 Acceptance results may be used in the acceptance decision, provided that they are statistically  
10 validated and/or verified by the OV test results (See Section 7 for details about OV). Quality  
11 acceptance is performed by the IQF and OV is performed by ADOT or their consultant(s). With  
12 regard to workmanship and other inspection driven features of the Work, the IQF's inspection  
13 observations and conclusions may be used in the acceptance decision, provided that OV  
14 activities verify the CQMP process, procedure and documentation adherence.

15 Developer's Quality Acceptance portion of the CQMP must include the procedures used by the  
16 IQF to ensure that the Work is inspected and tested to verify compliance with the RFC  
17 Documents.

18 Developer's CQMP must establish a systematic approach to define the processes, methods,  
19 procedures, and documentation for the IQF to deliver Quality Acceptance on the Project. These  
20 methods and procedures must clearly define the levels of authority and responsibility for the  
21 administration of IQF's Quality Acceptance plan.

#### 22 **6.1 IQF Materials Acceptance**

23 The quality of materials and construction incorporated into the Project are controlled by  
24 sampling and testing, and must be accepted based on compliance with Developer's  
25 specifications and the Contract Documents. Compliance is determined by acceptance sampling  
26 and testing. The IQF must randomly sample at prescribed frequencies based on the IQF  
27 sampling guide schedule that meet or exceed those presented in the *SMF Sampling Guide*  
28 *Schedule* included in the RIDs. The IQF's sampling guide schedule must be published in  
29 Developer's CQMP. Sampling and testing must be performed by qualified laboratories and by  
30 qualified sampling and testing personnel.

31 The IQF must not rely wholly on the results of sampling and testing in determining the  
32 acceptability of materials and construction work. The sampling and testing must be  
33 supplemented by sufficient visual inspection of the materials to determine whether the samples  
34 and tests are reasonably representative. In addition, there should be sufficient observation of  
35 the construction operations and processes to assure uniformly satisfactory results.

#### 36 **6.2 IQF Acceptance Sampling and Testing**

37 The IQF's sampling guide schedule must apply to sampling frequencies only for acceptance  
38 sampling and testing. It must indicate the material type to be sampled, the controlling  
39 specification(s), the frequency of sampling, the location where sampling will occur, the testing to  
40 be performed, and the acceptance criteria. Acceptance samples must be obtained randomly by  
41 IQF. With regard to material types, an approach to type identification similar to that defined in  
42 Table 10 of the *SMF Minimum Sampling Guide Schedule* included in the RIDs shall be included  
43 in the CQMP. If the Table 10 codes are not adopted outright by the Developer, an alternate  
44 coding system may be proposed; however, such alternate system must then include a direct  
45 cross reference to the codes of Table 10.

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1 After samples are taken, they must be in the immediate custody of the IQF technician.  
2 Thereafter, the samples must remain in IQF's "chain of custody" until they are delivered to the  
3 appropriate laboratory for testing.

4 During their initial cure, concrete cylinders may not be in IQF's continual "chain of custody". If  
5 this is the case, appropriate measures must be taken to ensure the integrity of the samples.

6 The intent of the IQF's sampling guide schedule is to provide guidance to personnel responsible  
7 for sampling and testing materials. The frequency may vary for phases of the Project in  
8 accordance with job conditions, such as, the uniformity of materials at the source, the methods  
9 and equipment used, and weather conditions. The actual number of samples, and locations  
10 from which they are taken, must be representative of the actual construction operations and  
11 must adequately assure or verify that the materials incorporated into the final product, are in  
12 compliance with the Contract Documents and Developer's specifications. Under extenuating  
13 circumstances, the CIQM may utilize engineering judgment to justify acceptance when sampling  
14 frequencies do not meet the IQF's sampling guide schedule on a case by case basis.  
15 Conversely, the CIQM may utilize engineering judgment to direct that an amount of acceptance  
16 testing greater than the required minimum be done when deemed necessary. The CIQM must  
17 formally document these variations from the prescribed frequencies. The manner in which these  
18 deviations will be documented must be defined in the Developer's CQMP.

19 The IQF must develop a materials sampling and testing plan, indicating the recommended  
20 number of acceptance samples for any given Project element. For an example, see Section  
21 V(E)(1) of the ADOT *Materials Quality Assurance Program*.

22 For materials that are sampled on a time designated lot basis, the CQMP must define the  
23 methodology to estimate the relationship between the production lot quantity and the time  
24 required to produce such quantity. This relationship is required in order for the IQF to determine  
25 the recommended number of acceptance samples.

### 26 **6.3 IQF Acceptance of Materials by Certification or Other Means**

27 Acceptance of materials by "Certificate of Compliance" or "Certificate of Analysis" must meet or  
28 exceed the requirements of Subsection 106.05 of the *Standard Specifications for Road and*  
29 *Bridge Construction*, Section 1000 of the ADOT *Materials Testing Manual*, and applicable ADOT  
30 Materials Policy and Procedure Directives. The IQF's sampling guide schedule must reflect the  
31 specific items or components that are planned to be accepted on the basis of certification.

32 The CQMP must include provisions for such approval and define how the IQF will ensure that  
33 when such approvals are used, they also meet the requirements of the IQF's sampling guide  
34 schedule and/or the requirements of Contract Documents and Developer's specifications.

### 35 **7 OWNER VERIFICATION TESTING AND INSPECTION PLAN**

36 IQF inspections, test results and conclusions must be validated by Owner Verification activities.  
37 For materials testing, such validation will be achieved through statistical comparisons between  
38 IQF testing results and OV testing results. For inspection activities, OV will be focused on IQF  
39 process adherence and documentation confirmation. In addition to real-time evaluation, ADOT,  
40 or their consultant(s) will also conduct periodic audits to verify Developer's compliance with the  
41 approved CQMP.

42 ADOT or its consultant(s) will develop a comprehensive OVTIP for the Project and submit it to  
43 FHWA for their concurrence. ADOT's OVTIP will include internal procedures used by ADOT and  
44 their consultant(s) to ensure that the IQF's frontline acceptance activities are performed in

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- 1 accordance with the approved CQMP and to verify adherence to the CQMP. ADOT may  
2 complete the development of the OVTIP in parallel with acceptance of Developer's CQMP.
- 3 The OVTIP will clearly address, at a minimum, how ADOT's OV staff will address the following  
4 requirements:
- 5 A. Methods and procedures that clearly define the authority and responsibility for the  
6 administration of OVTIP.
  - 7 B. Procedures for overseeing and inspecting the Work for compliance with Developer's  
8 CQMP for each construction operation.
  - 9 C. Procedures to ensure that the education, training, and certification of personnel  
10 performing OV activities are achieved and maintained, and that all Work is performed in  
11 accordance with the approved OVTIP.
  - 12 D. Procedures to oversee the status and disposition of any identified noncompliance with  
13 the plans and specifications.
  - 14 E. Measures to ensure that tools, gauges, instruments, and other measuring and testing  
15 devices used in activities affecting quality are properly maintained, controlled, calibrated,  
16 certified, and adjusted at specified periods to maintain accuracy within industry  
17 standards.
  - 18 F. A system of planned and periodic audits of Developer's CQMP to determine adherence  
19 to and the effectiveness of the CQMP. Audit results will be documented, reviewed, and  
20 sent to ADOT and Developer. Follow-up action, including re-audit of deficient areas  
21 following corrective action, must be taken where indicated.
  - 22 G. A system of planned and periodic audits to determine adherence to and the  
23 effectiveness of the OVTIP. Audit results will be documented, reviewed, and sent to  
24 ADOT. Follow-up action, including re-audit of deficient areas following corrective action,  
25 will be taken where indicated.
  - 26 H. Procedures for performing periodic inspection of Work to verify that the IQF has  
27 performed Work in compliance with the Released-for-Construction Plans, specifications,  
28 and Approved Working and Shop Drawings. The procedure should identify a target  
29 oversight inspection rate and methods for performing verification inspections for all QC  
30 and IQF inspectors.
  - 31 I. Procedures on how OV material sampling and testing will be performed including the  
32 process for generating random test locations, tracking material samples, processing  
33 material samples, review and approval of test records, and tracking compliance with  
34 material testing frequency.
  - 35 J. Procedures for reviewing Quality Acceptance and OV test results for compliance with  
36 mutually agreed-upon processes and naming conventions to ensure data integrity for  
37 accurate statistical analyses.
  - 38 K. Procedures for verifying that only tests performed by qualified IQF testing personnel are  
39 submitted to ADOT.
  - 40 L. Procedures for auditing of QC and Quality Acceptance records, documentation,  
41 procedures, and processes to verify compliance with the Contract Documents and  
42 approved CQMP.
  - 43 M. Roles and procedures for reviewing Portland cement concrete and hot-mix asphaltic  
44 concrete mix designs.
  - 45 N. Target frequencies for the independent sampling and testing that are to be conducted as  
46 a part of OV. The target frequency will include a higher frequency of testing at the

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- 1 beginning of the Project and may be adjusted, as appropriate throughout the Project,  
2 based on the observed consistency of the product, the statistical comparison between  
3 OV and IQF test results and ADOT engineering judgment.
- 4 O. Procedures for ensuring that OV testing is performed at the frequencies stipulated in the  
5 OVTIP.
- 6 P. Identification of the platform and data structure of the database management system  
7 that will be used to collect, store and retrieve OV test data. Identification of a strategy to  
8 coordinate data between the IQF and ADOT.
- 9 Q. Procedures for performing statistical analyses in compliance with procedures outlined in  
10 this TP Attachment 110-2.
- 11 R. Procedures for satisfying System Basis IA obligations on this Project.

### 12 **8 SAMPLE TYPES AND USES**

13 Sampling is either random or fixed, depending on whether the location was selected randomly  
14 (random) or if a specific location was subjectively identified (fixed). Sampling is also either  
15 independent or dependent, based on whether the location was independently selected  
16 (independent) or whether it is based on the location of another sample (dependent/split). Only  
17 ADOT and IQF samples selected randomly and independently may be used in the acceptance  
18 decision. The F- and t- tests described in the "FHWA Reporting" section below are only valid  
19 when using random independent samples.

20 The IQF must perform additional (fixed) tests when the quality of material is questionable at a  
21 location other than the randomly selected location. This fixed test must constitute an acceptance  
22 test, and a failing result must be addressed in a similar manner to a failing random independent  
23 test. Fixed tests must not count towards meeting minimum IQF testing frequencies and must not  
24 be used in statistical analysis.

25 Split samples may be used outside of the statistical analysis for OV of IQF-performed  
26 acceptance tests under ADOT's OVTIP. A comparison process for performing and analyzing  
27 split samples between ADOT and IQF is necessary during the initial implementation of the  
28 ADOT Materials Quality Assurance Program to ensure that ADOT and IQF laboratory and  
29 testing procedures are in alignment. These samples will be analyzed by ADOT and the results  
30 discussed with the IQF to assure laboratory and technician test results compare favorably.  
31 When the allowable variation limits in OVTIP are exceeded, corrective actions for either or both  
32 parties will be identified and corrective actions will be incorporated as appropriate. This process  
33 will help provide initial alignment of the ADOT and IQF laboratories and testing procedures. The  
34 IQF must commit resources and sample material as necessary to accommodate splitting and  
35 alignment activities defined herein.

36 Split samples may also be performed throughout the life of the Project as necessary to  
37 investigate non-validating material categories and verify or realign testing equipment and  
38 personnel.

39 ADOT will review the IQF's weekly report(s) which continuously track and record the quantity of  
40 material incorporated into the Project as well as documentation that the IQF is meeting the  
41 minimum sampling and testing frequencies. ADOT will use the report(s) to verify compliance of  
42 both the Quality Acceptance and OV testing frequency.

### 43 **9 NON-VALIDATION AND STATUS OF MATERIAL QUALITY**

44 When OV test results do not statistically validate the Quality Acceptance test results, ADOT and  
45 IQF jointly investigate the source of non-validation. In addition to the need to investigate the

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1 non-validation, the material in question must be immediately evaluated to determine if it can be  
2 left in place or has to be removed, reworked, or repaired. If material is to remain incorporated  
3 into the Project, the material in question will be evaluated using the process described in this  
4 section. IQF or ADOT may exercise engineering judgment to determine whether the material will  
5 perform its intended purpose. There are four possible combinations of passing and failing  
6 results between the OV and Quality Acceptance test results. See Figure 2 for a flowchart of this  
7 process.

8 A. Both the OV and Quality Acceptance test results are within specification limits.

9 Although statistical validation has not occurred, both the OV and IQF test results are  
10 within the established specification limits; thus, material quality in question is considered  
11 acceptable.

12 B. OV test results are within specification limits and Quality Acceptance test results are  
13 outside of specification limits.

14 Material may be left in place if the IQF determines that engineering judgment may be  
15 used to accept the material or if the material is accepted through the NCR process.

16 C. Both the OV and Quality Acceptance test results are outside of the specification limits.

17 Material may be left in place if the IQF determines that engineering judgment may be  
18 used to accept the material or if the material is accepted through the NCR process. The  
19 acceptance of material is subject to one of the two scenarios below.

20 1. OV test results indicate reasonable conformance with specification requirements,  
21 and ADOT exercises engineering judgment to concur with acceptance of material  
22 based on the IQF's engineering judgment or through the NCR process.

23 2. OV test results do not indicate reasonable conformance with specification  
24 requirement. IQF then performs fixed tests at the OV failed test locations. Based on  
25 the results of the previously completed (OV and IQF) tests, the additional IQF fixed  
26 test results and the subsequent investigation discussions between ADOT and  
27 Developer, ADOT makes a determination on whether the material may be left in  
28 place and ADOT records the disposition.

29 If the material is reworked, the IQF must perform a fixed test at the ADOT OV failed  
30 location followed by random-independent tests by both the IQF and ADOT. Random-  
31 independent test results representing material prior to rework should be excluded from  
32 new statistical analyses.

33 D. OV test results are outside of specification limits, but Quality Acceptance test results are  
34 within specification limits.

35 Material may be left in place if the IQF determines that engineering judgment may be  
36 used to accept the material or if the material is accepted through the NCR process. This  
37 is subject to ADOT response in the two scenarios below.

38 1. OV test result indicates reasonable conformance with specification requirements.  
39 ADOT exercises engineering judgment to concur with acceptance of material based  
40 on the IQF's engineering judgment or through the NCR process.

41 2. OV test result does not indicate reasonable conformance with specification  
42 requirement. IQF then performs fixed tests at the OV failed test locations. Based on  
43 the results of the previously completed (OV and IQF) tests, the additional IQF fixed  
44 test results and the subsequent investigation discussions between ADOT and

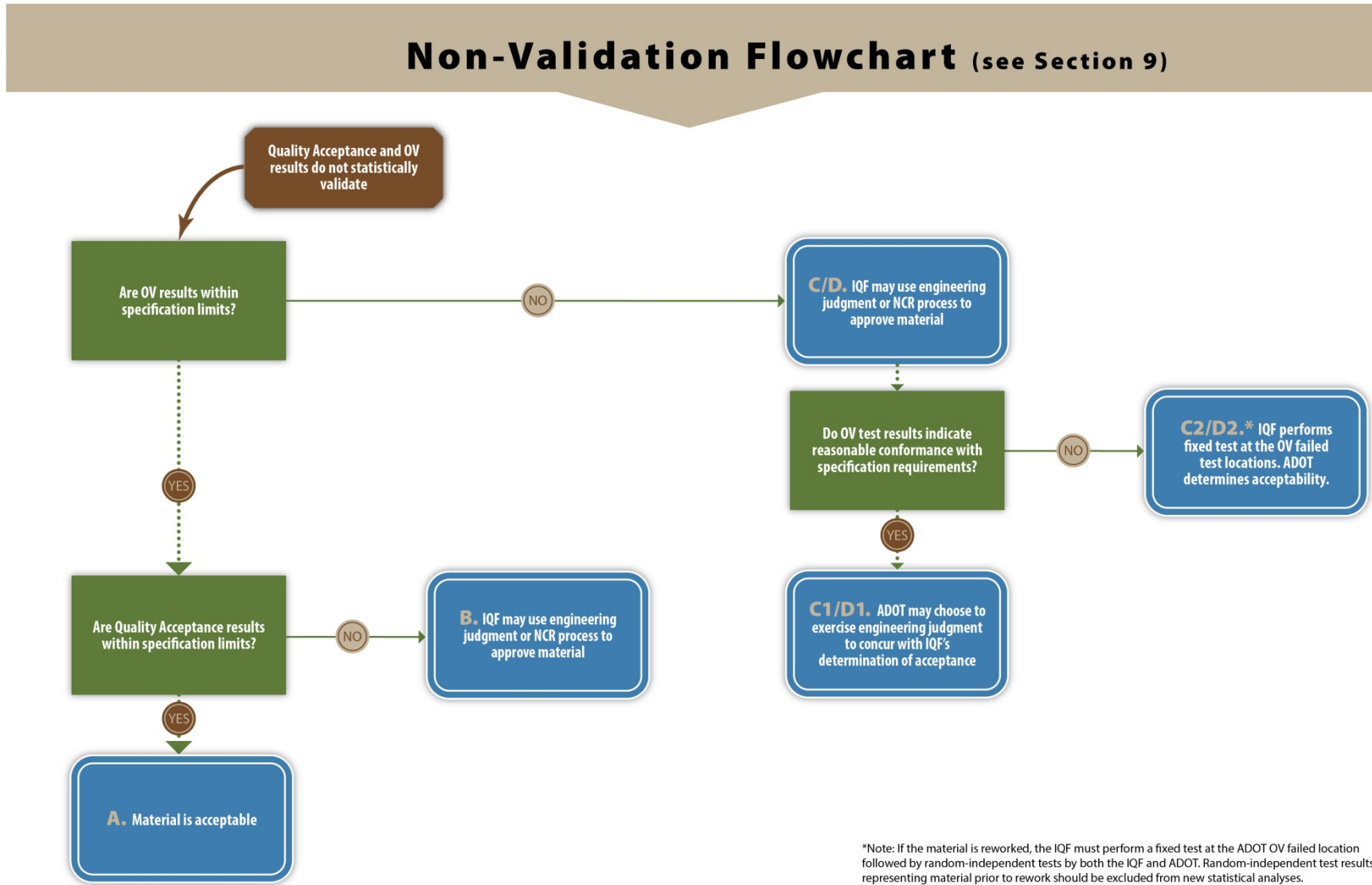


## CONFORMED

- 1 Developer, ADOT makes a determination on whether the material may be left in
- 2 place and ADOT records the disposition
- 3 If the material is reworked, the IQF must perform a fixed test at the ADOT OV failed
- 4 location followed by random-independent tests by both the IQF and ADOT. Random-
- 5 independent test results representing material prior to rework should be excluded
- 6 from new statistical analyses.

1

Figure 2: Non-Validation Flow Chart



2

## CONFORMED

### 1 10 ENGINEERING JUDGMENT GUIDING PRINCIPLES

2 The development of the Project must proceed with a reasonable approach to the quality duties  
3 of the IQF and the extension of the IQF's ability to render decisions in the field with regard to the  
4 Work performed. ADOT recognizes that the IQF is an element of Developer team working to  
5 progress the development of the Project for ADOT, and working alongside Developer who is  
6 responsible for compliance. ADOT recognizes that the IQF should be afforded the opportunity,  
7 in concert with their independent role, to render engineering decisions with respect to  
8 appropriate documents for inspection and testing as long as:

- 9 A. Engineering decisions will be delegated no lower than an engineer in charge of a section  
10 of the Project. This engineer may be an employee of ADOT, ADOT's Consultant, or IQF  
11 and must be a Registered Professional Engineer in the State of Arizona. Engineering  
12 decisions will be within an individual's area of expertise.
- 13 B. Engineering judgment to accept material or Work failing specifications will never be  
14 applied solely to promote "partnering" or to help out Developer. The project development  
15 quality will be regarded as the highest order of concern. Schedule is a secondary  
16 consideration with respect to quality delivery of the Project.
- 17 C. If these guiding principles do not address the situation, the individual applying  
18 engineering judgment must provide a decision to ADOT as to whether a material failing  
19 to meet specification requirements and is not within applicable tolerances should be  
20 accepted, or not accepted, based on sound engineering principles, experience, and or  
21 related results of applicable material tests.
- 22 D. Engineering judgment to accept materials or Work failing specification requirements will  
23 be applied only in cases where natural resources may be lost that will otherwise meet  
24 the intent of the design, (i.e. strength tests versus slump requirements), rejection of  
25 material endangers quality or loss of larger or more significant item (i.e. by rejecting load  
26 of concrete, structure element subject to a cold joint, reflective cracking, etc.) or some  
27 other issue that unduly threatens the overall quality/schedule of the Project.
- 28 E. Failed results of material tests may be accepted only for individual tests. Patterns of  
29 failure will not be accepted and will be considered a breakdown in Quality Control  
30 activities and shall be addressed in the CQMP. Recurring use of engineering judgment  
31 for the same plan or specification deviation should result in process corrections to the  
32 construction operations to assure material and work is conforming to plan and  
33 specification requirements. The intent of delegating engineering judgment to the IQF is  
34 not to allow widening of a specification requirement on a continuing basis.
- 35 F. The CIQM may utilize engineering judgment to direct that an amount of acceptance  
36 testing greater than the required minimum be done when deemed necessary. The CIQM  
37 must document any variations from the prescribed frequencies.
- 38 G. The individual making the engineering judgment will apply good engineering practices to  
39 ensure quality of accepted material by making additional tests, through engineering  
40 analysis, etc. and will document his/her acceptance and justification.
- 41 H. Engineering judgment in acceptance of material or Work not meeting specification  
42 requirements will be applied only to situations that are technically sound, in  
43 consideration of localized conditions. Engineering judgment will not be utilized to waive  
44 specification for conditions that have project wide implications. The acceptance of  
45 material or Work not meeting specifications in one instance at a location will not become  
46 a corridor wide or project wide decision. Each situation will be judged on the merits of its  
47 unique characteristics.

## CONFORMED

- 1 I. ADOT may, at any time, remove engineering judgment authority from the IQF Project
- 2 Engineer in specific circumstances.
- 3 J. ADOT and FHWA have oversight agreements in place that requires specific
- 4 documentation relating to nonconforming material that is allowed to remain in place. Any
- 5 instance of the application of these Guiding Principles will be accompanied by
- 6 appropriate documentation.
- 7 K. The IQF is encouraged but not required to consult with ADOT prior to making
- 8 acceptance decisions.
- 9 L. IQF personnel are not placed, or appear to be placed, in a position that exhibits signs
- 10 that they were pressured by Developer to accept, approve, or continue the duties of the
- 11 IQF scope of work as detailed in the Project under duress.

## 12 11 FHWA REPORTING

13 ADOT will submit quarterly reports to FHWA for concurrence with ADOT's compliance with the  
14 OVTIP. Approved reports must be distributed to the IQF after receiving FHWA concurrence. The  
15 reporting period for specific pay items or materials is dependent on the pace of construction and  
16 the number of tests performed in each analysis category, the time period of the sampling, and  
17 the specification and quality requirements.

18 The FHWA quarterly report must address the following areas:

- 19 A. Statistical analysis results to include specification requirements and status of validation
- 20 process during start-up and completion of an item;
- 21 B. Monthly Materials Certification letter from the IQF;
- 22 C. Non-validation investigation;
- 23 D. Non-conformance log;
- 24 E. Construction certification; and
- 25 F. ADOT and IQF engineering judgment decisions.

## 26 12 STATISTICAL ANALYSIS

27 F-tests and t-tests will be used to analyze OV and Quality Acceptance data. The F-test is a  
28 comparison of variances to determine if the OV and Quality Acceptance population variances  
29 are equal. The t-test is a comparison of means to determine if the OV and Quality Acceptance  
30 population means are equal. In addition to these two types of analyses, independent verification  
31 and observation verification will also be used to validate the Quality Acceptance test results.  
32 ADOT will perform a project-specific analysis of risks in order to develop the type of analysis  
33 and recommended level of significance for specific tests to be performed during OV by ADOT.  
34 This information will be included in the Project OVTIP.

## 35 13 REFEREE TESTING

36 Throughout the life of the Project, there may be differences in material test results or statistical  
37 sample populations between the IQF and ADOT. It is important to recognize the difference  
38 between material quality and statistical validation.

39 Material quality is measured by whether a test passes or fails and is an indication of whether the  
40 material will perform its intended purpose. Engineering judgment may be used to substantiate  
41 the use of material failing to meet the specification if the material still meets the intended  
42 purpose. Statistical validation is a measure of whether the OV and Quality Acceptance  
43 populations are statistically equal. It does not represent the quality of material being  
44 incorporated into the Project.

## CONFORMED

1 While expected to occur very rarely, disputes over specific test results may be resolved in a  
2 reliable, unbiased manner by Referee Testing and evaluation performed by ADOT's  
3 Construction & Materials Group or an independent third-party testing laboratory as appointed by  
4 ADOT's Construction & Materials Group. The decision by ADOT, or its designee, is final.  
5 Referee testing is solely an owner function. Therefore, if a third-party laboratory is utilized,  
6 ADOT will pay for this testing.

### 7 **14 INDEPENDENT ASSURANCE PROGRAM**

8 The Code of Federal Regulations (23 CFR 637, Subpart B) requires the implementation of an IA  
9 program. ADOT, or its designee, will implement the IA program as described in the ADOT  
10 Materials Quality Assurance Program, Sections V.B ("Independent Assurance Sampling and  
11 Testing") and V.C ("Correlation Testing").

12 The IA program evaluates the sampling/testing personnel and testing equipment used in  
13 acceptance of materials. The Code of Federal Regulations allows observations, split sample  
14 results, and proficiency sample results as means of evaluating testing personnel within a State's  
15 IA program. Calibration checks, split sample results, and proficiency sample results are  
16 permissible inclusions to the IA program for evaluating acceptance testing equipment. The IA  
17 program does not directly determine the acceptability of materials.

18 The Project will utilize a "System Basis" IA, which is based on evaluating and verifying  
19 satisfactory performance by the individuals performing acceptance sampling and testing, and  
20 the equipment utilized, for a particular period of time. The IA Program on this Project will be  
21 implemented as follows:

22 A. Each IQF individual who will perform acceptance sampling and testing in the field must  
23 be observed and evaluated by ADOT IA personnel to verify that sampling and testing is  
24 being conducted properly in accordance with the appropriate test methods. Except as  
25 indicated in Section 2, such evaluation must occur within 30 days of initial service on the  
26 Project and every 12 months thereafter.

27 B. Each IQF individual who will perform acceptance sampling and testing in the laboratory  
28 must be evaluated on the basis of IA split or proficiency sample testing. Except as  
29 indicated in Section 2, such evaluation must occur within 30 days of initial service and  
30 every 12 months thereafter.

31 The IQF must track the qualification status of all IQF technicians and proactively request and  
32 schedule all evaluations.

33 The objective of the "System Basis" is to evaluate and verify that the individuals performing  
34 acceptance sampling and testing, and the equipment utilized, are qualified for a twelve month  
35 period. The goal is for all individuals who are performing such sampling and testing, and the  
36 equipment utilized, in a given twelve month period to be covered by this verification.

37 For each twelve month period, ADOT will submit a report to the FHWA documenting activities of  
38 the I.A. "System Basis" program for the Project. The report will include the following information:

39 A. Names and number of technicians performing acceptance sampling and testing the  
40 Project.

41 B. Number of such technicians evaluated by the program.

42 C. Number of such technicians that had deviations, as determined by the evaluation.

43 D. Summary of how the deviations were addressed, along with any potential systematic  
44 solutions to recurring deficiencies.

## CONFORMED

- 1 E. Goals for the upcoming twelve month period.
- 2 ADOT will identify materials requiring IA sampling and testing in the OVTIP. The IA program
- 3 does not directly determine the acceptability of materials

**CONFORMED**

1            **TP Attachment 408-1 – Pertinent Third-Party Agreement Requirements**

2

3   **TP Attachment 408-1 – Pertinent Third-Party Agreement Requirements**

4        TP Attachment 408-1.1 – Maintenance Agreement

5        TP Attachment 408-1.2 – City Street Turnback

6        TP Attachment 408-1.3 – Pedestrian Overpass

**CONFORMED**

**1 TP Attachment 408–1.1**

<b>City of Phoenix Maintenance Agreement</b>		
The following table identifies the ADOT commitments stated in the pertinent Third-Party Agreement listed above. Developer is responsible for performing and complying with all obligations of ADOT under such Third-Party Agreement, except those obligations that are specifically identified below as being retained by ADOT.		
<b>ADOT CAR No. IGA/JPA 15-0005211-I</b>	<b>Third-Party Agreement Description</b> <i>Intergovernmental Agreement between ADOT and City of Phoenix concerning ADOT abandonment and City maintenance of designated cross streets following final acceptance of the Project</i>	<b>Description of ADOT-Retained Obligations</b>
III.1	a. Be generally responsible for facilities within the State's access control limits as shown in Exhibit A, (other than those areas identified in Exhibit A as being the City's responsibility), including the construction, reconstruction, major rehabilitation and/or betterments, of the roadways, curbs, gutters, sidewalks, medians, channelization, drainage facilities (except where responsibility is defined by separate Agreement), guardrails, barriers, crash attenuation devices, walls, chain-link fencing, bridge structures (including pedestrian bridges, overpasses and wildlife crossings), drainage, tunnels, and other roadway-related facilities (excluding special traffic signals, wrought iron fencing, certain drainage facilities and special materials requested by the City).	Delegated to Developer to the extent set forth in the Contract Documents.
III.1	b. Be responsible for major resurfacing, rehabilitation, and roadway reconstruction treatments including the construction and replacement of all Portland Cement Concrete Pavement (PCCP) roadway surfaces and all asphalt concrete roadway surfaces requiring such activities found within the City's areas of responsibility located within State rights-of-way, in excess of 100 square feet in size for paving and in excess of 50 linear feet in length per repair for curb, gutter and sidewalk.	None retained; all delegated to Developer.
III.1	c. Be responsible for maintenance of all storm drain siphons within State highway rights-of-way, of which the State is the primary user.	None retained; all delegated to Developer.



**CONFORMED**

<b>City of Phoenix Maintenance Agreement</b>		
The following table identifies the ADOT commitments stated in the pertinent Third-Party Agreement listed above. Developer is responsible for performing and complying with all obligations of ADOT under such Third-Party Agreement, except those obligations that are specifically identified below as being retained by ADOT.		
<b>ADOT CAR No. IGA/JPA 15-0005211-I</b>	<b>Third-Party Agreement Description</b> <i>Intergovernmental Agreement between ADOT and City of Phoenix concerning ADOT abandonment and City maintenance of designated cross streets following final acceptance of the Project</i>	<b>Description of ADOT-Retained Obligations</b>
III.1	d. Participate with the City in ongoing monthly landscape meetings to review water usage and integrate the Developer into these meetings to make informed decisions and recommendations.	ADOT retains this obligation, except to the extent of Developer obligations set forth in the Contract Documents.
III.1	e. Not allow the Developer to connect drainage facilities to the Laveen Area Conveyance Channel (LACC).	None retained; all delegated to Developer.
III.1	f. Be responsible for the cost of water for landscape irrigation along the SR 202 – South Mountain Freeway at the interchanges with current points of connection as identified in Exhibit C, in excess of 0.15 acre feet per acre annually.	None retained; all delegated to Developer.
III.1	g. Be responsible for the installation of all initial pavement markings within the project limits.	None retained; all delegated to Developer.
III.1	h. Maintain all pavement markings except those identified and shown in Exhibit A as being in the City’s area of responsibility.	None retained; all delegated to the Developer.
III.1	i. Be responsible for maintaining all longitudinal lines (such as lane lines, edge lines, etc.) and median noses of all Crossroads and Frontage Roads using paint, thermoplastic, tape or other materials.	None retained; all delegated to the Developer.
III.1	j. Be responsible for the installation of all initial signing. Maintain all signs except those identified and shown in Exhibit A as being in the City’s area of responsibility. Maintain all overhead sign structures and large ground-mount guide signs (16 square feet or larger) within the project limits.	None retained; all delegated to Developer.
III.1	k. Be responsible for maintaining the structural integrity of Sound Walls constructed within the State’s rights-of-way.	None retained; all delegated to Developer.

**CONFORMED**

<b>City of Phoenix Maintenance Agreement</b>		
The following table identifies the ADOT commitments stated in the pertinent Third-Party Agreement listed above. Developer is responsible for performing and complying with all obligations of ADOT under such Third-Party Agreement, except those obligations that are specifically identified below as being retained by ADOT.		
<b>ADOT CAR No. IGA/JPA 15-0005211-I</b>	<b>Third-Party Agreement Description</b> <i>Intergovernmental Agreement between ADOT and City of Phoenix concerning ADOT abandonment and City maintenance of designated cross streets following final acceptance of the Project</i>	<b>Description of ADOT-Retained Obligations</b>
III.1	l. Be responsible for the design and construction of a two-lane collector road (Cross Section F from the City of Phoenix Street Transportation Department Design Standards) at the Durango Road alignment within the project limits.	None retained; all delegated to Developer.
III.1	m. Provide structural maintenance to the sub-structure and the superstructure of the bridge and/or tunnel, to maintain structural integrity, of the following specialized structures: pedestrian bridges, wildlife crossings, overpasses, underpasses and pedestrian tunnels that are constructed over/under mainline roadways of the State, excluding the maintenance of all Non-Standard State Items constructed at the City's request as a part of the Project	None retained; all delegated to Developer.
III.1	n. Provide response and clean-up of all Hazardous Material Incidents within State's rights-of-way.	ADOT retains this obligation, except to the extent of Developer obligations set forth in the Contract Documents.
III.1	o. Be responsible for the maintenance of the Electrical Facilities and supporting electrical equipment as outlined in Exhibit B.	Delegated to Developer to the extent set forth in the Contract Documents.
III.1	p. Confirm, per established procedures of the State's Phoenix Maintenance District Permit Office, that the City has a valid five (5) year Blanket Permit on file for only Routine/Minor Maintenance and emergency maintenance work and a five year Blanket Permit for operation and maintenance of the Electrical Facilities and supporting electrical equipment covered by this Agreement, provided by the City within the State's rights-of-way. The State will provide the City with a renewal notice 30-days prior to the end of each five year permit term granted to the City.	ADOT retains this obligation, except to the extent of Developer obligations set forth in the Contract Documents.

**CONFORMED**

<b>City of Phoenix Maintenance Agreement</b>		
The following table identifies the ADOT commitments stated in the pertinent Third-Party Agreement listed above. Developer is responsible for performing and complying with all obligations of ADOT under such Third-Party Agreement, except those obligations that are specifically identified below as being retained by ADOT.		
<b>ADOT CAR No. IGA/JPA 15-0005211-I</b>	<b>Third-Party Agreement Description</b> <i>Intergovernmental Agreement between ADOT and City of Phoenix concerning ADOT abandonment and City maintenance of designated cross streets following final acceptance of the Project</i>	<b>Description of ADOT-Retained Obligations</b>
III.1	q. Review any City requests for ADOT encroachment permits not covered by a Blanket Permit and provide a response either approving or denying the request.	ADOT retains this obligation, except to the extent of Developer obligations set forth in the Contract Documents.
III.1	r. Review recommendations from the City for future installations, removals, significant modifications, additions or betterments of Electrical Facilities governed by this Agreement and shown in Exhibit B, which will require a State approved "Non-Blanket Permit" and will be done at the City's expense.	ADOT retains this obligation, except to the extent of Developer obligations set forth in the Contract Documents.
III.1	s. Comply with the 2009 Manual on Uniform Traffic Control Devices (MUTCD) (or the latest edition as published by the Federal Highway Administration (FHWA)) and the current Arizona Supplement, as per Arizona Revised Statutes § 28-641, when performing any work under this agreement. Traffic Control plans will be reviewed and/or approved by and through the Arizona Department of Transportation (ADOT), Phoenix Maintenance District Permits.	None retained; all delegated to Developer.

**CONFORMED**

**1 TP Attachment 408-1.2**

<b>City of Phoenix City Street Turnback</b>		
The following table identifies the ADOT commitments stated in the pertinent Third-Party Agreement listed above. Developer is responsible for performing and complying with all obligations of ADOT under such Third-Party Agreement, except those obligations that are specifically identified below as being retained by ADOT.		
<b>ADOT CAR No. 15- 0005234-I</b>	<b>Third-Party Agreement Description</b>	<b>Description of ADOT-Retained Obligations</b>
II.1	a. Upon final acceptance of the Project, abandon ownership, jurisdiction and maintenance responsibilities of the cross streets, generally outside of the State's control of access limits, shown in Exhibit A (as modified pursuant to section II.1.d. and section II.2.c.), by a State Transportation Board Resolution which is valid upon recordation in the County Recorder's Office.	ADOT retains this obligation.
II.1	b. Continue to own and maintain the Project within the State's access control limits, shown in Exhibit A, to include any overhead freeway sign facilities within the surface streets but beyond the access control limits.	Delegated to Developer to the extent set forth in the Contract Documents.
II.1	c. Continue to own and maintain any non-operating right-of-way not used in the construction of the Project.	None retained; all delegated to Developer.
II.1	d. Agree that Exhibit A, made part of this Agreement, will be modified to reflect any changes to the location of the side streets, access control limits and overhead freeway sign locations made during the design and construction of the Project and that any change to said side streets, access control or overhead freeway sign locations will be automatically included in the abandonment as set forth in section II. 1. a. above.	ADOT retains this obligation.

**CONFORMED**

**1 TP Attachment 408-1.3**

<b>City of Phoenix Pedestrian Overpass</b>		
The following table identifies the ADOT commitments stated in the pertinent Third-Party Agreement listed above. Developer is responsible for performing and complying with all obligations of ADOT under such Third-Party Agreement, except those obligations that are specifically identified below as being the obligations of ADOT.		
<b>ADOT CAR No. 15- 0005526-I</b>	<b>Third-Party Agreement Description</b>	<b>Description of ADOT-Retained Obligations</b>
II.1	a. Prepare and provide the design plans, specifications and other such documents required for the construction of the Project and incorporate public artist aesthetic enhancements.	None retained; all delegated to Developer.
II.1	b. The State will obtain funds for the design and construction costs associated with the Project.	ADOT retains this obligation.
II.1	c. Work with the City to coordinate the involvement of a City-selected artist with the design team and the SR 202 - South Mountain Freeway Aesthetics and Landscaping Task Force to design and engineer integrated public art enhancements for the Project.	Delegated to Developer to the extent set forth in the Contract Documents.
II.1	d. Include in the design and construction contract for the South Mountain Freeway a not to exceed \$600,000 allowance for the Developer to construct the aesthetic enhancements.	ADOT retains this obligation.
II.1	e. Enter into a contract with a firm for the construction of the South Mountain Freeway that incorporates the public artist's aesthetic enhancements for the Project. Administer the contracts for the South Mountain Freeway Project and make all payments to the contractor.	ADOT retains this obligation.
II.1	f. Obtain, from the City, a TRACS permit which will allow the State the right to enter City right-of-way as required to conduct any and all construction and pre-construction related activities for said Project, including without limitation, temporary construction easements or temporary rights of entry on to and over said rights-of-way of the City. The State is not required to obtain the City's permission to enter into former City right-of-way taken into the State highway system by resolution of the State Transportation Board.	None retained; all delegated to Developer.

**CONFORMED**

**City of Phoenix  
Pedestrian Overpass**

The following table identifies the ADOT commitments stated in the pertinent Third-Party Agreement listed above. Developer is responsible for performing and complying with all obligations of ADOT under such Third-Party Agreement, except those obligations that are specifically identified below as being the obligations of ADOT.

<b>ADOT CAR No. 15- 0005526-I</b>	<b>Third-Party Agreement Description</b>	<b>Description of ADOT-Retained Obligations</b>
II.1	g. Confirm, per established procedures of the State's Phoenix Maintenance District Permit Office, a valid blanket Encroachment Permit for the routine/normal maintenance and emergency maintenance work to be provided by the City within the State's rights-of-way. Process any other Encroachment Permits that may be needed to work within the State's right-of-way to effectively meet the obligations set forth for the City in this Agreement. The State agrees all activities that are reasonably required to be performed by the City under this Agreement shall be set forth in and covered by the appropriate Encroachment Permit.	ADOT retains this obligation.
II.1	h. Upon completion of the Project [i.e., the pedestrian overpass] and final inspection and acceptance of all the Project improvements, maintain structural integrity of the Project.	None retained; all delegated to Developer.

**CONFORMED**

**1 TP Attachment 420-1 – Project Environmental Commitment Requirements**

**CONFORMED**

<b>TP Attachment 420-1</b> <b>South Mountain Freeway Project Record of Decision (ROD)</b> <b>Developer’s Environmental Commitment Requirements</b>		
The following table includes the Project-specific environmental commitments as written in the ROD, with minor modifications for clarification purposes. As it relates to these Technical Provisions, references to freeway, project, South Mountain Freeway, proposed action, proposed freeway, and Selected Alternative mean the Project, and references to contractor mean Developer. Developer is responsible for performing and complying with all obligations of ADOT, except those obligations that are specifically identified below as being the obligations of ADOT.		
ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
<b>Land Use</b>		
LNDU-1	ADOT and FHWA will coordinate with public land holding agencies (BLM and ASLD) managing affected public land and the various leaseholders to complete acquisition of parcels needed for the South Mountain Freeway.	ADOT retains this obligation.
<b>Social Conditions</b>		
SOC-1	ADOT will consider methods of reducing the amount of R/W needed, providing alternative access to the local road network to satisfy emergency services access requirements, and using noise barriers, aesthetic treatments of structures, and landscaping to reduce neighborhood intrusions.	None retained; all delegated to Developer.
SOC-2	ADOT will coordinate during the design phase to designate necessary utility corridors for relocations where appropriate.	None retained; all delegated to Developer.
SOC-3	ADOT will coordinate with all local agencies and private facility owners to minimize, where possible, the effects of utility relocations and adjustments. Coordination will include, when possible, developing construction schedules to coincide with scheduled maintenance periods and off-peak loads.	None retained; all delegated to Developer.
SOC-4	ADOT will coordinate with appropriate City of Phoenix officials during the final design process to consider and identify, if appropriate, enhancements such as a pedestrian overpass to reduce possible pedestrian-related impacts. Such enhancements would be independent of this project and would not change this NEPA document.	ADOT retains this obligation, except to the extent of Developer obligations set forth elsewhere in the Contract Documents.
SOC-5	ADOT will coordinate with municipalities and affected communities to address and resolve impacts on internal road networks.	None retained; all delegated to Developer.

Note: A list of acronyms and abbreviations is provided at the end of the attachment.



**CONFORMED**

<b>TP Attachment 420-1</b> <b>South Mountain Freeway Project Record of Decision (ROD)</b> <b>Developer’s Environmental Commitment Requirements</b>		
The following table includes the Project-specific environmental commitments as written in the ROD, with minor modifications for clarification purposes. As it relates to these Technical Provisions, references to freeway, project, South Mountain Freeway, proposed action, proposed freeway, and Selected Alternative mean the Project, and references to contractor mean Developer. Developer is responsible for performing and complying with all obligations of ADOT, except those obligations that are specifically identified below as being the obligations of ADOT.		
ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
SOC-6	ADOT will develop and implement a public involvement plan for the design and construction phases of the proposed action. Objectives of continued public involvement may include, but will not be limited to, a level of involvement in: <ul style="list-style-type: none"> <li>• architectural design treatment of structures</li> <li>• measures to minimize harm to Section 4(f) resources</li> <li>• the acquisition and relocation process</li> <li>• modification to the local roadway network</li> <li>• construction activity monitoring</li> </ul>	None retained; all delegated to Developer.
SOC-7	ADOT will coordinate with all appropriate emergency services, and efforts will be made to minimize effects on response routes and times for all service areas.	None retained; all delegated to Developer.
<b>Displacements and Relocations</b>		
DIS-1	An acquisition and relocation assistance program will be conducted in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended (49 C.F.R. Part 24), which identifies the process, procedures, and entitlements for R/W acquisition and relocation of affected residents or businesses.	See <u>Article 5 of the Agreement</u> for ADOT’s and Developer’s respective obligations.
DIS-2	Relocation assistance will be available to all residential and business relocatees, without discrimination. All replacement housing will be decent, safe, and sanitary. Replacement housing is available in the general area; last-resort housing will, however, be provided if it were found that sufficient, comparable housing were not available within monetary limits of owners and tenants. If necessary, specific relocation plans will be developed to assist displacees, including residents of mobile homes, in finding new locations for their mobile homes. All acquisitions and relocations resulting from the proposed freeway will comply with Title VI of the Civil Rights Act of 1964 and with 49 C.F.R. Part 24.	See <u>Article 5 of the Agreement</u> for ADOT’s and Developer’s respective obligations.

**CONFORMED**

<b>TP Attachment 420-1</b> <b>South Mountain Freeway Project Record of Decision (ROD)</b> <b>Developer’s Environmental Commitment Requirements</b>		
The following table includes the Project-specific environmental commitments as written in the ROD, with minor modifications for clarification purposes. As it relates to these Technical Provisions, references to freeway, project, South Mountain Freeway, proposed action, proposed freeway, and Selected Alternative mean the Project, and references to contractor mean Developer. Developer is responsible for performing and complying with all obligations of ADOT, except those obligations that are specifically identified below as being the obligations of ADOT.		
ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
DIS-3	Private property owners will be compensated at market value for land and may be eligible for additional benefits. As for renters, HUD considers anything under a 6 percent rental vacancy rate as a “tight” rental market. The Rental Supplement is based on a calculation between the current rental plus utilities and the determined available comparable rental unit plus utilities times 42 months (if the amount of the benefit exceeds \$7,200 the benefit would fall under the Last Resort Provisions of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended). This payment will be made available to assist with the difference in rent if the cost of replacement housing were to exceed the rental cost at that time (with conditions).	See <u>Article 5 of the Agreement</u> for ADOT’s and Developer’s respective obligations.
DIS-4	ADOT will provide, where possible, alternative access to properties losing access to the local road network. In the event that alternative access could not be provided, ADOT will compensate affected property owners in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended.	See <u>Article 5 of the Agreement</u> for ADOT’s and Developer’s respective obligations.
DIS-5	ADOT will coordinate with the local jurisdictions, MAG, and Valley Metro to identify opportunities to use excess R/W, whenever possible, for future park-and-ride lots and related public facilities.	ADOT retains this obligation, except to the extent of the Developer obligations set forth elsewhere in the Contract Documents.
<b>Economics</b>		
ECON-1	During construction, ADOT will coordinate with local businesses to ensure reasonable access to businesses will be maintained during regular operating hours.	None retained; all delegated to Developer.
<b>Air Quality</b>		

**CONFORMED**

<b>TP Attachment 420-1</b> <b>South Mountain Freeway Project Record of Decision (ROD)</b> <b>Developer’s Environmental Commitment Requirements</b>		
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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
AQ-1	Mitigation measures will be followed in accordance with Maricopa County rules 310 and 310.01. Such measures could include, but are not limited to: Site preparation <ul style="list-style-type: none"> <li>• Minimize land disturbance.</li> <li>• Use watering trucks to minimize dust.</li> <li>• Stabilize the surface of dirt piles if not removed immediately.</li> <li>• Use windbreaks to prevent accidental dust pollution.</li> <li>• Limit vehicular paths and stabilize temporary roads.</li> <li>• To prevent dirt from tracking or washing onto paved roads, stabilized construction entrances will be placed adjacent to paved roads and fencing will be installed to direct vehicles to drive over the track pad immediately before entering a paved surface.</li> </ul>	None retained; all delegated to Developer.
AQ-2	Mitigation measures must be followed in accordance with Maricopa County rules 310 and 310.01. Such measures could include, but are not limited to: Construction <ul style="list-style-type: none"> <li>• Use dust suppressants on unpaved traveled paths.</li> <li>• Minimize unnecessary vehicular and machinery activities.</li> <li>• To prevent dirt from tracking or washing onto paved roads, stabilized construction entrances will be placed adjacent to paved roads and fencing will be installed to direct vehicles to drive through the entrance before entering a paved surface.</li> <li>• To the extent practicable, construction equipment that meets EPA’s Tier 4 emission standards shall be used.</li> <li>• Where feasible, construction equipment powered by alternative fuels (e.g., biodiesel, compressed natural gas, electricity) shall be used.</li> <li>• ADOT will require training in compliance with Maricopa County rule 310 for contractor’s personnel regarding air quality impacts from construction activities, potential health risks, and methods to reduce emissions.</li> </ul>	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
AQ-3	Mitigation measures must be followed in accordance with Maricopa County rules 310 and 310.01. Such measures could include, but are not limited to: Postconstruction <ul style="list-style-type: none"> <li>• Revegetate or use decomposed granite or rock mulch on all disturbed land.</li> <li>• Remove dirt piles and unused materials.</li> <li>• Revegetate all vehicular paths created during construction to avoid future off-road vehicular activities.</li> <li>• Include control of access fence to prevent vehicle traffic on unpaved surfaces.</li> </ul>	None retained; all delegated to Developer.
AQ-4	A Traffic Management Plan will be developed and implemented to help reduce impacts of traffic congestion and associated emissions during construction.	None retained; all delegated to Developer.
AQ-5	An approved dust permit will be obtained prior to demolition and construction from the Maricopa County Air Quality Department for all phases of the proposed action. The permit will describe measures to control and regulate air pollutant emissions.	None retained; all delegated to Developer.
<b>Noise</b>		
NOI-1	General locations of noise barriers have been identified, but these locations and general noise wall design will be reevaluated as design progresses. Where feasible, noise barriers will be constructed as early as possible in the construction phasing to shield adjacent properties from construction-related noise impacts.	None retained; all delegated to Developer.
<b>Water Resources</b>		
WRE-1	The proposed freeway will have properly designed drainage channels to resist erosion, energy-dissipating structures at all culverts where discharge velocity may cause downstream erosion, and sediment-trapping basins strategically located to maximize sediment removal and to function as chemical-spill containment structures.	None retained; all delegated to Developer.
WRE-2	Vegetative or mechanical means will be used to minimize erosion from cut and fill slopes.	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
WRE-3	Runoff discharge from the roadway to the irrigation district canals and conveyance ditches will be minimized by roadway design and the use of permanent BMPs.	None retained; all delegated to Developer.
WRE-4	To reduce the potential impact of contaminants such as oil, grease, soil, and trash, settling basins will be used to collect water and allow materials to settle. The basins could also serve to contain chemical spills resulting from vehicle accidents. Each basin will be designed to contain an initial rainfall runoff volume before allowing discharge. If an accident occurs, and the basins are dry at the time of the accident, the spill volume, in most cases, will be accommodated.	None retained; all delegated to Developer.
WRE-5	A construction AZPDES permit, for ground-disturbing activities exceeding 1 acre, will be obtained from ADEQ for the project in accordance with the provisions set forth in Section 402 of the CWA. The AZPDES permit must be consistent with discharge limitations and water quality standards established for the receiving water. The contractor shall coordinate with ADOT before filing a Notice of Intent and a Notice of Termination with ADEQ in accordance with Section 402 of the CWA and shall provide copies of the permit authorization to ADOT.	None retained; all delegated to Developer.
WRE-6	A SWPPP shall be prepared by the contractor in accordance with the AZPDES construction general permit. Upon construction completion, all contaminated material (e.g., concrete wash water) will be removed and disposed of in accordance with local, regional, and federal regulations. The contractor will comply with ADOT's Post-Construction Best Management Practices Program.	None retained; all delegated to Developer.
WRE-7	ADOT will coordinate with appropriate governmental bodies such as flood control districts and GRIC when designing drainage features for the proposed action.	None retained; all delegated to Developer.
WRE-8	ADOT will replace water lost through well acquisitions. This will be done through full well replacement or well abandonment and compensation (if requested by the owner).	See Article 5 of the Agreement for ADOT's and Developer's respective obligations.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
WRE-9	An analysis will be performed during the design process to determine whether it is possible to keep the Foothills Community Association well in its current location, but move the well controls and associated piping to outside of the R/W.	ADOT retains this obligation.
WRE-10	Existing irrigation canals affected by the freeway may be relocated to allow for conveyance of irrigation water (through installation of pipe, conduit, or extension) from one side of the freeway to the other.	None retained; all delegated to Developer.
WRE-11	A copy of the certificate authorizing permit coverage and a copy of the Notice of Termination acknowledgement letter will be sent to ADOT EPG, Glendale, Phoenix, Chandler, Goodyear, Tolleson, and Avondale, as appropriate, based on the location of project activities	None retained; all delegated to Developer.
WRE-12	ADOT will comply with the State of Arizona Surface Water Quality Standard Rules (18 A.A.C. § 11).	None retained; all delegated to Developer.
WRE-13	Water used for dust suppression will not contain contaminants that could violate ADEQ water quality standards for surface waters or aquifers and will not be discharged off site. ADOT will obtain the necessary permits for such activities.	None retained; all delegated to Developer.
<b>Floodplain</b>		
FLD-1	Bridge structures will be designed to cross floodplains in such a way that their support piers and abutments will not contribute to a rise in floodwater elevation of more than a foot.	None retained; all delegated to Developer.
FLD-2	Floodplain impacts will be minimized by implementing transverse crossings of the floodplain and avoiding longitudinal encroachments.	None retained; all delegated to Developer.
FLD-3	The Maricopa County Floodplain Manager will be given an opportunity to review and comment on the design plans.	None retained; all delegated to Developer.
FLD-4	On-site drainage design must be performed using the procedures in FHWA's <i>Urban Drainage Design Manual, Hydraulic Engineering Circular No. 22</i> (2009b, with revisions).	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
FLD-5	The hydraulic design of culverts must be performed using the procedures in FHWA's <i>Hydraulic Design Series No. 5, Hydraulic Design of Highway Culverts</i> (2012). Other criteria include: <ul style="list-style-type: none"> <li>• Culverts must be sized, at a minimum, based on the design discharge of a 50-year storm.</li> <li>• With the 100-year storm, water levels must not significantly increase the flood damage potential on areas outside of the proposed R/W or as noted in accordance with ADOT's <i>Roadway Design Guidelines</i> (2012a), Section 611.3.C.</li> <li>• Reinforced concrete box culvert and reinforced concrete pipe must be provided with adequate cover.</li> <li>• Outflow discharges from detention basins must not cause peak discharges downstream greater than peak discharges without the project.</li> </ul>	None retained; all delegated to Developer.
FLD-6	Comprehensive hydrologic, hydraulic, sediment transport, and erosion-related assessments regarding potential 100-year flood effects associated with ephemeral washes will be conducted on the Selected Alternative. Results will provide information necessary to make a determination regarding what mitigation measures will need to be implemented. Measures may include physical structures associated with the freeway such as culverts.	None retained; all delegated to Developer.
<b>Waters of the United States</b>		
WUS-1	ADOT will prepare and submit an application to USACE for a CWA Section 404 permit as appropriate, dictated by impacts on jurisdictional waters. If necessary, ADOT will submit a CWA Section 401 application to ADEQ. The permit conditions will be developed according to the current Memorandum of Agreement between USACE, ADOT, and FHWA. Work must not occur within jurisdictional waters until the appropriate CWA Section 401 certification and Section 404 permit is obtained.	ADOT will be the signatory for this commitment (see <u>Section DR 420.2.6.2 of the TPs</u> for more details).

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
WUS-2	If more time is required to complete the South Mountain Freeway than authorized by the Section 404 of the CWA permit, ADOT will submit a request for a time extension to USACE and ADEQ at least 1 month prior to reaching the authorized date.	None retained; all delegated to Developer..
WUS-3	If previously unidentified cultural resources are encountered in or adjacent to waters of the United States during the construction of the freeway, ADOT will notify FHWA and USACE immediately to make arrangements for the proper treatment of those resources.	Developer shall alert ADOT immediately if any unidentified cultural resources are encountered during activity related to the construction of the freeway. ADOT will make arrangements for the proper treatment of those resources and notify the appropriate agencies to evaluate the significance of those resources.
WUS-4	If ADOT sells the freeway, ADOT will obtain the signature of the new owner in the applicable space provided in the permit and will forward a copy of the permit to USACE to validate the transfer of the authorization.	ADOT retains this obligation.
WUS-5	ADOT will provide a copy of the Section 401 water quality certification conditions to all appropriate contractors and subcontractors. ADOT will post a copy of these conditions in a water-resistant location at the construction site where it may be seen by workers.	None retained; all delegated to Developer.
WUS-6a	ADOT will maintain the project authorized by the permit in good condition and in conformance with the terms and conditions of the permit.	None retained; all delegated to Developer.
WUS-6b	ADOT will not be relieved of this condition even if ADOT abandons the project. Should ADOT cease to maintain the freeway or abandon the freeway without a good faith transfer, ADOT will obtain a modification of the CWA Section 404 permit from USACE.	ADOT retains this obligation.
WUS-7	If a substantive change/modification to the project is necessary, ADOT will provide notice and supporting information to FHWA, ADEQ, and USACE for review.	None retained; all delegated to Developer.



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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
WUS-8	When construction begins, ADOT will notify ADEQ and USACE prior to the start date. When notification is made, ADOT will provide the start date and the name and phone number of the primary contractor and a contact person. When the activities are completed, ADOT will notify ADEQ and USACE after project completion as required by the CWA Section 401 certification and CWA Section 404 permit.	None retained; all delegated to Developer.
WUS-9	ADOT will comply with all conditions set forth in the CWA Section 404 permit, CWA Section 401 certification, and CWA Section 402 construction general permit made as part of the project.	None retained; all delegated to Developer.
WUS-10	Prior to initiating construction activities under the permit, ADOT will ensure that all appropriate contractors and subcontractors have been provided with a copy of the Section 404 authorization. This is to confirm that the contractor(s) will comply with the terms and conditions of the Section 404 authorization and that a copy of the permit is maintained on-site.	None retained; all delegated to Developer.
WUS-11	After completion of the proposed project, the washes will be returned to a preconstruction elevation. [see Section DR 420.3.7 of the TPs]	None retained; all delegated to Developer.
WUS-12	Pollution from the operation of equipment in the floodplain shall be cleaned up and removed by the contractor before it can be washed into a watercourse. Spills will be promptly cleaned and properly disposed.	None retained; all delegated to Developer.
WUS-13	Temporary erosion and sediment control measures will be installed, at a minimum, according to ADOT’s <i>Standard Specifications for Road and Bridge Construction</i> (2008) and <i>Erosion and Pollution Control Manual</i> (2012b), prior to construction and will be maintained as necessary during construction and will not be installed in a manner that causes noncompliance with the Section 404 permit.	None retained; all delegated to Developer.
WUS-14	If permanent erosion and sediment control measures are required, they will be installed as soon as practicable, preferably prior to construction activities, and will be maintained throughout the life of the project. Permanent erosion and sediment control measures will be located to protect downstream entities from construction impacts when there will be a flow in watercourses within the project boundary.	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
WUS-15	Any soil contaminated as a result of contractors' operations shall be assessed and then disposed of in an appropriate, approved disposal facility.	None retained; all delegated to Developer.
WUS-16	No excavation, fill, or leveling will be permitted in the watercourses outside the boundaries of the permitted work area.	None retained; all delegated to Developer.
WUS-17	No fill will be taken from any watercourse outside the boundaries of the permitted work area. Fill will come from an area outside the OHWM of any watercourses and will be free of any contaminants or pollutants.	None retained; all delegated to Developer.
WUS-18	Heavy equipment traffic shall be restricted from entering the watercourses outside the boundaries of the permitted work area. Appropriate barricades shall be installed to preclude this activity.	None retained; all delegated to Developer.
WUS-19	During construction, the work sites shall be maintained such that no construction debris or material spillover shall be allowed in the watercourses. Upon completion of the work, all construction debris and excess material shall be removed from the job sites and disposed of appropriately outside the USACE jurisdictional areas.	None retained; all delegated to Developer.
WUS-20	During construction, appropriate measures shall be taken to accommodate flows within the watercourses, such that waters will not be diverted outside the OHWM.	None retained; all delegated to Developer.
WUS-21	ADOT will fence, stake, or flag the construction limits for work within waters of the United States	None retained; all delegated to Developer.
WUS-22	ADOT will mitigate for any permanent loss of waters of the United States, as required by USACE.	None retained; all delegated to Developer.
<b>Geotechnical</b>		
GEO-1	The contractor shall be required to perform in-depth pre- and postconstruction surveys for all structures located within one-half mile in the event any blasting and/or heavy ripping is planned for construction purposes. This documentation shall include photographic and video documentation.	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
GEO-2	Geotechnical-related construction effects will be mitigated through use of appropriate design, including excavations and slopes in soil and rock with an accepted degree of safety, placement of fills with an accepted degree of safety, protection of excavation and fill slopes against erosion, and design of roadway subgrade and foundations in accordance with accepted practices.	None retained; all delegated to Developer.
<b>Biological Resources</b>		
BIO-1	Protected native plants within the project limits will be affected by this project; therefore, ADOT will determine whether ADA notification will be needed. If notification is needed, ADOT will send the notification at least 60 calendar days prior to the start of construction.	None retained; all delegated to Developer.
BIO-2	The freeway will be designed to protect and maintain opportunities for wildlife movement between the South Mountains, the Gila River, and the Sierra Estrella. These opportunities will be located in the region where the freeway will intersect the southwestern portion of the South Mountains. The project will include the five multiuse crossings (bridge structures) identified in Figure 16 of the ROD. Multiuse crossing 4 is aligned with the Maricopa County Regional Trail/Sun Circle Trail/National Trail (see Figure 5-5 on page 5-8 of the Final Environmental Impact Statement). Multiuse crossings 1, 2, 3, and 5 will facilitate wildlife movement and provide access by GRIC members to the South Mountains. These crossing structures and associated fences will be designed to reduce the incidence of vehicle-wildlife collisions and to reduce the impact of the proposed action on wildlife connectivity between the South Mountains, the Gila River, and the Sierra Estrella. ADOT will coordinate with USFWS, AGFD, and GRIC Department of Environmental Quality during the design phase regarding the location and design of wildlife-sensitive roadway structures.	None retained; all delegated to Developer.
BIO-3	For drainage structures, such as culverts located in potential wildlife movement corridors, ADOT will coordinate with USFWS, AGFD, and GRIC Department of Environmental Quality during the design phase regarding the location and design of wildlife-sensitive roadway structures based on the results of species surveys.	ADOT retains this obligation.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
BIO-4	All disturbed soils not paved that will not be landscaped or otherwise permanently stabilized by construction will be seeded using species native to the project vicinity.	None retained; all delegated to Developer.
BIO-5	ADOT will coordinate with AGFD and GRIC Department of Environmental Quality regarding State and culturally sensitive species and ADOT will determine whether additional species-specific mitigation measures are appropriate.	ADOT retains this obligation.
BIO-6	If new species or critical habitat are listed following completion of the ROD, or if the potential effects on species or critical habitat from the Project have changed from those described in the Biological Evaluation, an update to the Biological Evaluation must be prepared and any required consultation with USFWS must be completed. ADOT will coordinate with USFWS, AGFD, and the Community’s Department of Environmental Quality to determine whether any additional species-specific mitigation measures are required.	This commitment must be satisfied through Final Acceptance.
BIO-7	Prior to construction, ADOT will arrange for surveys to be completed for the Sonoran desert tortoise and other species as determined by ADOT to be necessary.	ADOT retains this obligation.
BIO-8	ADOT will require the contractor’s personnel to receive training as part of the overall project safety program regarding procedures for interactions with sensitive species that may be encountered during construction.	None retained; all delegated to Developer.
BIO-9	If vegetation clearing will occur during the migratory bird breeding season (March 1 to August 31), the contractor shall avoid any active bird nests. If the active nests cannot be avoided, the contractor shall notify the ADOT Engineer to evaluate the situation. During the non-breeding season (September 1 to February 28), vegetation removal is not subject to this restriction. If any active bird nests cannot be avoided by vegetation clearing or construction activities, the ADOT Engineer will contact the EPG Biologist (602-712-6819 or 602-712-7767) to evaluate the situation.	None retained; all delegated to Developer.
BIO-10	Invasive species surveys will be conducted during the design phase. If noxious or invasive species are found to be present in the project footprint during that survey, the contractor will develop and implement an invasive and noxious species control plan.	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
BIO-11	To prevent the introduction of invasive species seeds, the contractor shall inspect all earthmoving and hauling equipment at the equipment storage facility and the equipment shall be washed prior to entering the construction site.	None retained; all delegated to Developer.
BIO-12	To prevent invasive species seeds from leaving the site, the contractor shall inspect all construction equipment and remove all attached plant/vegetation and soil/mud debris prior to leaving the construction site.	None retained; all delegated to Developer.
BIO-13	Habitat impacts shall be minimized by restricting construction activities to the minimum area necessary to perform the activities and by maintaining natural vegetation where possible.	None retained; all delegated to Developer.
BIO-14	If any Sonoran desert tortoises are encountered during construction, the contractor shall adhere to the most current guidelines regarding encounters with Sonoran desert tortoises.	None retained; all delegated to Developer.
BIO-15	The contractor shall develop procedures for encounters with sensitive species in the Environmental Management Plan. The procedures shall include allowing the animal to leave of its own accord or contacting a trained person if the animal needs to be removed from the work area.	None retained; all delegated to Developer.
BIO-16	A biologist will be employed to complete a preconstruction survey for burrowing owls 96 hours prior to construction in all suitable habitat that will be disturbed. The biologist shall possess a burrowing owl survey protocol training certificate issued by AGFD. Upon completion of surveys, the survey results will be reviewed with the ADOT biologist and a course of action will be identified.	ADOT will review and determine the course of action based on Developer’s survey.
BIO-17	If any burrowing owls are located in the work area, the contractor shall immediately stop work at that location and notify the ADOT Engineer. The ADOT Engineer will contact the ADOT biologist to determine whether the owls could be avoided or must be relocated. The contractor shall not work within 100 feet of any active burrow until the situation had been evaluated by the ADOT biologist. If the ADOT biologist determined that the owl must be relocated, a biologist holding a rehabilitation permit from USFWS will relocate burrowing owls from the project area.	Developer shall contact ADOT immediately if any burrowing owls are located in the Work area and ADOT will determine whether the owls could be avoided or must be relocated.

**CONFORMED**

**TP Attachment 420-1**

**South Mountain Freeway Project Record of Decision (ROD)  
Developer’s Environmental Commitment Requirements**

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<b>ECR Number</b>	<b>Environmental Commitment Record Requirements</b>	<b>Description of ADOT-Retained Obligations</b>
<b>Cultural Resources</b>		
CUL-1	ADOT, on behalf of FHWA and in conjunction with tribal and local authorities, Western, and BIA, developed a Programmatic Agreement (PA) for the proposed action under Section 106 of the National Historic Preservation Act of 1966. No ground-disturbing activities will be conducted until ADOT EPG has notified the ADOT Engineer that the terms and stipulations of the PA have been fulfilled.	ADOT will develop and implement all testing and data recovery for cultural resources at the Known Cultural Resource Sites.
CUL-2	Strategies for prehistoric sites will include: <ul style="list-style-type: none"> <li>• In accordance with the PA, a historic properties treatment plan will be developed and implemented for the sites by ADOT. ADOT will consult with SHPO and other consulting parties as required. Depending on the results of the testing program, follow-up data recovery excavations might also be required.</li> <li>• A burial agreement with the ASM and concerned Native American Tribes will be developed to outline procedures for proper removal, treatment, and reburial of any human remains and associated funerary objects that might be encountered.</li> </ul>	ADOT retains this obligation, except that Developer shall be responsible for costs in connection with Developer-Designated ROW and Developer’s Temporary Work Areas.
CUL-3	Impacts on the Roosevelt Canal and historic Southern Pacific Railroad will be avoided through the use of bridges to span the resources.	None retained; all delegated to Developer.
CUL-4	ADOT and FHWA will fund a TCP evaluation of the South Mountains TCP to be prepared by GRIC. FHWA and ADOT will fund the development and implementation of a TCP enhancement and management plan to be prepared by GRIC.	ADOT retains this obligation.
CUL-5	Consultation will continue throughout design and construction with SHPO, GRIC, and other Tribes regarding other appropriate mitigation strategies; selected, limited disclosure of locations of cultural resources sites; and other cultural resources issues related to the freeway.	ADOT will be the point of contact for all consultation.

**CONFORMED**

<b>TP Attachment 420-1</b> <b>South Mountain Freeway Project Record of Decision (ROD)</b> <b>Developer's Environmental Commitment Requirements</b>		
The following table includes the Project-specific environmental commitments as written in the ROD, with minor modifications for clarification purposes. As it relates to these Technical Provisions, references to freeway, project, South Mountain Freeway, proposed action, proposed freeway, and Selected Alternative mean the Project, and references to contractor mean Developer. Developer is responsible for performing and complying with all obligations of ADOT, except those obligations that are specifically identified below as being the obligations of ADOT.		
ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
CUL-6	Pedestrian access to TCPs will be modified by the freeway. Access will be maintained by multifunctional crossings under the freeway. The interested Native American Tribes will continue to be consulted on the multifunctional crossings in conjunction with the design of the freeway.	ADOT will be the point of contact for all consultation.
CUL-7	Gaps in the cultural resources inventory are being investigated by ADOT and will continue during the design phase. All cultural resource inventories will be completed prior to any construction or any ground-disturbing activities. Additionally, all land acquired by ADOT that has not been previously surveyed will be surveyed and consultation will occur as appropriate.	ADOT retains this obligation for Known Cultural Resource Sites.
CUL-8	If previously unidentified cultural resources are encountered during activity related to the construction of the freeway, the contractor shall stop work immediately at that location and shall take all reasonable steps to secure the preservation of those resources and notify the ADOT Engineer. The ADOT Engineer will contact the ADOT EPG HPT immediately and make arrangements for the proper treatment of those resources. ADOT will, in turn, notify the appropriate agency(ies) to evaluate the significance of those resources.	Developer shall contact ADOT immediately if any unidentified cultural resources are encountered during activity related to the construction of the freeway. ADOT will make arrangements for the proper treatment of those resources and notify the appropriate agencies to evaluate the significance of those resources.
CUL-9	The contractor shall contact the ADOT EPG HPT (602-712-8636 or 602-712-7767) at least 14 business days prior to the start of ground-disturbing activities to arrange for a qualified archaeologist to flag avoidance areas and arrange for a monitor. The contractor shall avoid all flagged and/or otherwise designated sensitive resource areas within or adjacent to the project area.	None retained; all delegated to Developer.
CUL-10	If human remains or funerary objects are encountered during activity related to the construction of the freeway, the contractor shall stop work immediately within the area of the discovery, take steps to protect the discovery, and immediately notify the ADOT EPG HPT (602-712-8636 or 602-712-7767). ADOT EPG HPT shall notify and consult with appropriate Native American groups to determine the proper treatment and disposition measures in accordance with the implemented burial agreement. ADOT EPG HPT shall also inform the director of the ASM and SHPO of the discovery.	None retained; all delegated to Developer.

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<b>TP Attachment 420-1</b> <b>South Mountain Freeway Project Record of Decision (ROD)</b> <b>Developer’s Environmental Commitment Requirements</b>		
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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
CUL-11	All key personnel and those people involved in field work or ground disturbing activities during the design, construction, and operation of the project will attend cultural sensitivity training conducted by GRIC prior to any ground disturbing activities.	None retained; all delegated to Developer.
<b>Prime and Unique Farmlands</b>		
PUF-1	During the design phase of the proposed action, ADOT will coordinate with affected property owners as part of the R/W acquisition process to provide access, if possible, for farm equipment between divided agricultural parcels or to purchase remaining farm parcels considered too small to be farmed either economically or functionally.	None retained; all delegated to Developer.
PUF-2	Provision will be made for access to farmland otherwise made functionally inaccessible by the project.	None retained; all delegated to Developer.
<b>Hazardous Materials</b>		
HZM-1	A site-specific Phase I assessment will be performed prior to site acquisition for each property.	ADOT will perform Phase I assessment for Retained Parcels.
HZM-2	ADOT will review the status of open regulatory cases relating to hazardous materials releases during the Phase I assessments. Responsible parties associated with any open regulatory cases will be determined at that time. ADOT will coordinate with responsible parties to determine the status of any required cleanup actions.	ADOT will perform Phase I assessment for Retained Parcels.
HZM-3	ADOT will conduct asbestos and lead-paint inspections of structures to be demolished and will require abatement measures during demolition according to NESHAP regulations.	ADOT will comply with this requirement for Retained Parcels.
HZM-4	ADOT will determine the need for additional site assessments with the Final Design submittal.	None retained; all delegated to Developer.
HZM-5	Staging for construction activities near wells or dry wells will be located in areas where accidental releases of potential contaminants will be minimized and any accompanying threat to groundwater resources minimized.	None retained; all delegated to Developer.



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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
HZM-6	In cooperation with the contractor, ADOT will develop and coordinate emergency response plans with local fire authorities, local hospitals, and certified emergency responders for hazardous materials releases or chemical spills.	None retained; all delegated to Developer.
HZM-7	If suspected hazardous materials are encountered during construction, work will cease at that location and ADOT will arrange for proper assessment, treatment, or disposal of those materials.	ADOT retains this obligation with respect to third-party vehicle spills per the Agreement.
HZM-8	Asbestos- and lead-paint-containing materials identified in structures to be demolished will be properly removed and disposed of prior to demolition according to NESHAP and EPA/HUD regulations, respectively.	ADOT retains this obligation for Retained Parcels.
HZM-9	Any existing aboveground storage tanks or underground storage tanks will be removed or relocated. The removal/relocation activities will be addressed in accordance with applicable laws and regulations of ADEQ.	ADOT retains this obligation for Retained Parcels.
HZM-10	The contractor shall develop an on-site health and safety plan for construction activities.	None retained; all delegated to Developer.
HZM-12	The contractor shall develop a hazardous waste management plan for the handling of hazardous materials during construction.	None retained; all delegated to Developer.
HZM-13	Use of asbestos-containing materials will be prohibited for construction.	None retained; all delegated to Developer.
<b>Visual Resources</b>		

**CONFORMED**

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
VIS-1	During the design phase, ADOT will evaluate: <ul style="list-style-type: none"> <li>• leaving in place rock outcrops—if stable and not a hazard to the traveling public—not interfering with construction or looking out-of-place in the natural landscape</li> <li>• using vegetative buffers to screen views both of the road and from the road</li> <li>• transplanting saguaro, mature trees, and other cacti likely to survive the transplanting and setting-in period to visually sensitive or critical roadway areas</li> <li>• blending retention basins and their landscape treatments into their natural surroundings</li> <li>• placing landscape treatment on the periphery of R/W areas at overpass locations as well as at other areas adjacent to residential development</li> <li>• clustering or grouping plant material in an informal pattern to break up the linear form of the freeway</li> <li>• using strategic gaps in plantings to frame positive views from the road</li> <li>• using earth colors for overpasses, retaining and screen walls, and noise barriers</li> <li>• using natural-tone metals with a non-contrasting, non-glare finish for guardrails and handrails</li> <li>• using riprap that blends with the surrounding rocks and exposed soil color</li> <li>• using shotcrete that matches the color and texture of adjacent rocks</li> <li>• using bridges and overpass structural systems that help unify a visually complex landscape</li> <li>• minimizing structural sizes and/or recessing the face of structural members from the edge of the Roadway to reduce real or apparent breadth of structures</li> </ul>	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
VIS-2	If a jurisdiction through which the freeway will pass were to request treatments other than ADOT’s South Mountain Freeway corridor standard palette of treatments to noise barriers, screen walls, piers, concrete barriers, retaining walls, or highly visible headwalls, such efforts may be negotiated with ADOT. (Treatments beyond the ADOT South Mountain Freeway corridor standard palette may be more expensive to construct and/or maintain. In such cases, a given jurisdiction must cover the additional expenses to secure the desired treatment.)	None retained; all delegated to Developer.
VIS-3	Road cuts through the South Mountains will incorporate the newly exposed rock faces characteristic of the adjacent natural rock features, including scale, shape, slope, and fracturing to the extent that could be practicable and feasible as identified through geotechnical testing and constructibility reviews. ADOT will require the contractor to round and blend new slopes to mimic the existing contours to highlight natural formations. ADOT will evaluate having the contractor adjust and warp slopes at intersections of cuts and natural grades to flow into each other or transition with the natural ground surfaces without noticeable breaks.	None retained; all delegated to Developer.
VIS-4	Freeway lighting will be provided along the median of the freeway and at interchanges to achieve desired lighting levels for safety reasons. Any freeway lighting will be designed to reduce illumination spillover onto sensitive light receptors (such as residential and natural areas).	None retained; all delegated to Developer.
<b>Temporary Construction Impacts</b>		
TMP-1	A traffic control plan will be developed and implemented to help reduce impacts of traffic congestion and associated emissions during construction.	None retained; all delegated to Developer.
TMP-2	An approved “Application for Earth Moving Permit, Demolition, and Dust Control Plan” will be obtained prior to construction from the Maricopa County Air Quality Department for all phases of the proposed action. The permit will describe measures to control and regulate air pollutant emissions during construction.	None retained; all delegated to Developer.

**CONFORMED**

**TP Attachment 420-1**

**South Mountain Freeway Project Record of Decision (ROD)  
Developer’s Environmental Commitment Requirements**

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<b>ECR Number</b>	<b>Environmental Commitment Record Requirements</b>	<b>Description of ADOT-Retained Obligations</b>
TMP-3	<p>The following measures will be implemented for the Selected Alternative:</p> <ul style="list-style-type: none"> <li>• All equipment exhaust systems will be in good working order. Properly designed engine enclosures and intake silencers will be used.</li> <li>• Equipment will be maintained on a regular basis. New equipment will be subject to new product emission standards.</li> <li>• Stationary equipment will be located as far away from sensitive receivers as possible.</li> <li>• Construction-related noise generators will be shielded from noise receivers (e.g., use temporary enclosures to shield generators or crushers, take advantage of site conditions to provide topographic separation).</li> <li>• Construction alerts will be distributed to keep the public informed of construction activities, and a toll-free number for construction-related complaints will be provided.</li> <li>• During the design phase, hours of operation will be evaluated to minimize disruptions during construction.</li> </ul>	None retained; all delegated to Developer.
TMP-4	<p>Congestion from construction-related traffic will create temporary impacts in the project vicinity. The magnitude of these impacts will vary depending on the location of the sources of the fill material and of the disposition sites for surplus material, the land uses along the routes, the duration of hauling operations, staging locations, and the construction phasing. To identify acceptable routes and times of operation, ADOT, or its representative, will prepare an agreement with local agencies regarding hauling of construction materials on public streets.</p>	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
TMP-5	Traffic will be managed by a detailed Transportation Management Plan, including coordination with potentially affected public services. Access will be maintained during construction, and construction activities that might substantially disrupt traffic will not be performed during peak travel periods. To minimize disruption, ADOT will coordinate with local jurisdictions regarding traffic control and construction activities during special events. Requirements for the use of construction notices and bulletins will be identified as needed. The effectiveness of the traffic control measures will be monitored during construction and any necessary adjustments will be made.	None retained; all delegated to Developer.
TMP-6	ADOT will coordinate with the responsible local entities regarding the relocation of utilities, as appropriate. ADOT coordination with affected utilities will be ongoing and will continue through the design phase. Utilities with prior rights will be relocated at ADOT cost according to the requirements of the utility.	None retained; all delegated to Developer.
TMP-7	Disruptions to utility services, if necessary, will be restricted to being short-term and localized. ADOT and project contractors will continue to coordinate with utility providers during the design phase and project construction to identify potential problems and/or conflicts and to provide opportunities for their resolution prior to proposed actions. Replacement and/or relocation of utilities will be coordinated with ADOT construction activities and other projects in the area. Planning will include scheduling of disruptions and prior notification of adjacent property owners who will be affected by temporary service cut-offs. Emergency response procedures will be outlined by ADOT in consultation with local utility providers to ensure quick and effective repair of any inadvertent or accidental disruptions in service.	None retained; all delegated to Developer.
TMP-8	GRIC access to the TCPs will be maintained during construction, but may temporarily involve detours. The TCPs will be flagged or fenced for avoidance during construction.	None retained; all delegated to Developer.
<b>Material Sources</b>		

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
MAT-1	The contractor may use material sources from the ADOT <i>Contractor-Furnished Materials Sources List</i> . If the source that the contractor prefers to use is not on the ADOT list, then the contractor shall complete ADOT EPG’s Material Source Environmental Analysis Application. Contractor-furnished material sources must go through a process to obtain environmental clearance for use on ADOT projects. The material source owner or operator must submit a Material Source Environmental Analysis Application, with cultural survey and reports, to ADOT EPG. After receiving the completed application, ADOT EPG will initiate a cultural consultation process. Upon successful completion of the environmental review, the material source will receive a tracking number and may be included on the ADOT <i>Contractor-Furnished Materials Sources List</i> .	None retained; all delegated to Developer.
MAT-2	Materials excavated from the cuts through the South Mountains shall be used along the project only between 51st Avenue and 17th Avenue.	None retained; all delegated to Developer.
<b>Section 4(f)</b>		
S4F-1	Where the Selected Alternative will cross NRHP-eligible properties (specifically, the Grand Canal, Roosevelt Canal, and the historic Southern Pacific Railroad [Wellton-Phoenix-Eloy Mainline]), the freeway will be constructed as an elevated span to clear the properties.	None retained; all delegated to Developer.
S4F-2	Because existing access to some of the NRHP-eligible properties afforded protection under Section 4(f) may be affected, alternative access will be provided. In those instances, access will not be restricted and utility of the resources will not be altered.	None retained; all delegated to Developer.
S4F-3	Where the Selected Alternative will cross over trail segments (specifically, Segments Seven, Fifty-six, Sixty-eight, and Sixty-nine of the Maricopa County Regional Trails System, and Segment One of the Sun Circle Trail), the freeway will be constructed as an elevated span to clear the trail segments.	None retained; all delegated to Developer.
S4F-4	ADOT will engage Maricopa County in the design phase to coordinate the design of the freeway with relevant segments of the County’s trail system.	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
S4F-5	During the design phase, ADOT will consult directly with the Phoenix City Manager’s office in representing City of Phoenix interests and on behalf of the Sonoran Preserve Advisory Committee, Phoenix Mountains Preservation Council, Mountain Bike Association of America, Phoenix Parks and Recreation Board, and Arizona Horsemen’s Association to identify and implement other design measures, when possible, to further reduce parkland needed for the freeway.	None retained; all delegated to Developer.
S4F-6	During the design phase, ADOT will consult directly with the Phoenix City Manager’s office in representing City of Phoenix interests to enter into an IGA to identify and purchase replacement land. Replacement land will not exceed a 1:1 ratio (minus previously purchased replacement land) unless ADOT and the City of Phoenix determine jointly that exceeding the 1:1 ratio will be in the best interests of both parties. Under provisions set forth in the IGA entered into by both ADOT and the City of Phoenix, the City will be responsible for identification of replacement land. Once agreed upon under the terms of the IGA, ADOT will issue payment to the City of Phoenix for the acquisition of replacement land. Provisions of the IGA will ensure commitment of the transaction will be solely for the purposes of timely acquisition of public parkland within Phoenix.	ADOT retains this obligation.
S4F-7	ADOT will undertake the acquisition process to obtain the land from SMPP for the Selected Alternative. Replacement land will be provided as a measure to minimize harm.	ADOT retains this obligation.
S4F-8	Design measures will be implemented to blend the appearance of the cuts with the surrounding natural environment, as feasible. The degree of slope treatment will depend on the interaction of two primary factors: the angle of the cut slope and the receptivity of the cut rock to rock sculpting and rounding to mimic existing contours and allow for staining, revegetation, and other related measures to blend the slope with the South Mountains’ natural setting.	None retained; all delegated to Developer.

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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
S4F-9	ADOT will undertake additional geotechnical investigations during the design phase to determine, in part, how receptive the proposed slope angles will be to slope treatments. During this period, ADOT will consult directly with the Phoenix City Manager’s office in representing City of Phoenix interests and on behalf of the Sonoran Preserve Advisory Committee, Phoenix Parks and Recreation Board, and Phoenix Mountains Preservation Council in establishing a slope treatment plan for cut slopes through the ridgelines, with the clear intent to blend as well as will be possible the cut slopes with the South Mountains’ natural setting.	None retained; all delegated to Developer.
S4F-10	Barriers proposed to mitigate noise impacts on neighboring residential developments (near the Foothills Reserve residential development and the Dusty Lane residential area), while not specifically intended to mitigate noise intrusion into SMPP, will provide incidental noise mitigation.	None retained; all delegated to Developer.
S4F-11	Where appropriate, visual intrusions will be reduced by a number of measures: <ul style="list-style-type: none"> <li>• Vegetation buffers will be used to screen views of the freeway from SMPP.</li> <li>• Saguaros, mature trees, and other cacti likely to survive the transplanting and setting-in period will be transplanted in relatively natural areas near the proposed action to blend with the existing landscape.</li> <li>• Clustering or grouping plant material in an informal pattern to break up the linear form of the freeway will be utilized where appropriate to “naturalize” areas within the R/W.</li> <li>• Landscape treatments using native plants on the periphery of R/W areas at overpass locations and areas near residential developments will be installed where appropriate.</li> <li>• Aesthetic treatments and patterning will be applied to noise barriers, overpasses, abutments, retaining and screening walls.</li> </ul>	None retained; all delegated to Developer.



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ECR Number	Environmental Commitment Record Requirements	Description of ADOT-Retained Obligations
S4F-12	To set clear parameters defining the scope of the mitigation measures to be implemented and for making environmental determinations, an IGA will be created between ADOT and the City of Phoenix. For the proposed action through SMPP, ADOT will consult directly with the Phoenix City Manager’s office in representing City of Phoenix interests and on behalf of the Sonoran Preserve Advisory Committee, Phoenix Parks and Recreation Board, and the Phoenix Mountains Preservation Council and with GRIC representatives to develop the aesthetic treatment of landscaping and structures through the park/preserve.	ADOT will be the signatory for any IGA between the City of Phoenix and ADOT.
S4F-13	During the design phase, ADOT will consult directly with USFWS, AGFD, and the GRIC Tribal Historic Preservation Officer and Department of Environmental Quality to finalize design features and locations of the crossings designed to provide access to SMPP.	ADOT retains this obligation.
S4F-14	The Selected Alternative was designed to avoid two contributing elements to the South Mountains TCP, resulting in no direct use of the TCP elements. A R/W fence will restrict access to the sites by freeway users, but GRIC members will continue to gain access to the sites as they do currently. ADOT and FHWA will consult with GRIC during final design of these features.	None retained; all delegated to Developer.
S4F-15	As a measure to minimize harm to the South Mountains TCP, ADOT and FHWA will provide funds for GRIC to conduct the TCP evaluation.	ADOT retains this obligation.
S4F-16	ADOT will invite GRIC to participate in direct consultation with the City of Phoenix in establishing a slope treatment plan for cut slopes through the ridgelines, with the clear intent to blend the cut slope with the South Mountains’ natural setting.	None retained; all delegated to Developer.
S4F-17	ADOT will invite GRIC to participate in direct consultation with the City of Phoenix to develop the aesthetic treatment of landscaping and structures (e.g., noise barriers) through the South Mountains TCP.	None retained; all delegated to Developer.
S4F-18	The multipurpose crossings constructed as a measure to minimize harm to SMPP will provide access from GRIC land to the mountains.	None retained; all delegated to Developer.

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**TP Attachment 420-1**

**South Mountain Freeway Project Record of Decision (ROD)  
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<b>ECR Number</b>	<b>Environmental Commitment Record Requirements</b>	<b>Description of ADOT-Retained Obligations</b>
A.A.C. – Arizona Administrative Code ADA – Arizona Department of Agriculture ADEQ – Arizona Department of Environmental Quality ADOT – Arizona Department of Transportation AGFD – Arizona Game and Fish Department ASLD – Arizona State Land Department ASM – Arizona State Museum AZPDES – Arizona Pollutant Discharge Elimination System BIA – U.S. Bureau of Indian Affairs BLM – Bureau of Land Management BMPs – best management practices C.F.R. – Code of Federal Regulations CWA – Clean Water Act EPA – U.S. Environmental Protection Agency EPG - ADOT Environmental Planning Group FHWA – Federal Highway Administration GRIC – Gila River Indian Community HPT – ADOT Historic Preservation Team		HUD – U.S. Department of Housing and Urban Development IGA – intergovernmental agreement MAG – Maricopa Association of Governments NEPA - National Environmental Policy Act NESHAP - National Emissions Standards for Hazardous Air Pollutants NRHP – National Register of Historic Places OHWM – ordinary high-water mark PA – programmatic agreement ROD - Record of Decision R/W – right-of-way SHPO – State Historic Preservation Office SMPP – Phoenix South Mountain Park/Preserve SWPPP – Stormwater Pollution Prevention Plan TCP – traditional cultural property USACE – U.S. Army Corps of Engineers USFWS – U.S. Fish and Wildlife Service Western – Western Area Power Administration

**CONFORMED**

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**TP Attachment 430-1 – Prior Rights Document Index**

CONFORMED

TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
1	APS	Easement 83-146896 MCR.pdf	1983-146896	31	T1S	R4E	SW	Electric - ROW Easement	40th /Pecos to Sta 2055	Yes		Yes
2	APS	Easement 83-146897 MCR.pdf	1983-146897	31	T1S	R4E	SE	Electric - ROW Easement	Pecos - Sta 2055 to 48th st	Yes		Yes
3	APS	Easement 89-556577.pdf	1989-556577	19	T1N	R2E	NE	Electric - ROW Easement	Crossing at Elwood	Yes		Yes
4	APS	Easement Dkt 18502 Pg 798.pdf	DKT 18502 PG 798	32	T1S	R4E	SW	Electric - ROW Easement	Pecos-48th St to I-10 ROW	Yes		Yes
5	APS	Easement Dkt 4333 Pg 254.pdf	DKT 4333 PG 254	31	T1S	R4E	NW	Electric - ROW Easement	40th St (North of Project)	Yes		Yes
6	APS	Easement Dkt 4333 Pg 258.pdf	DKT 4333 PG 258	31	T1S	R4E	NW	Electric - ROW Easement	40th St (North of Project)	Yes		Yes
7	APS	Easement Dkt 4379 Pg 320 MCR.pdf	DKT 4379 PG 320	31	T1S	R4E	SW	Electric - ROW Easement	40th /Pecos Crossing	Yes		Yes
8	CenturyLink	0000-railroad_crossing.pdf	170434 (0000-RR XING)	8	T1N	R2E	SW	Communications - Lease - UPRR Crossing	59th Ave at UPRR (Partial)	Yes		Yes
9	CenturyLink	1934-35384.pdf	1934-35384	7	T1N	R2E	SE	Communications - ROW Easement	Not enough info to define easement location	No	Label "Undefined Easement 1934-35384" - no linework in basefile	No
10	CenturyLink	1957-105981.pdf	1957-105981 (DKT 16046 PG 109-110)	18	T1N	R2E	NE	Communications - ROW Easement	59th Ave (Sta 3348+50 to Buckeye)	Yes		Yes
11	CenturyLink	1972-244493.pdf	1972-244493 (DKT 9701 PG 294)	8	T1N	R2E	SW	Communications - ROW Easement	E. 59th Ave / North of Buckeye	Yes		Yes
12	CenturyLink	1973-47306.pdf	1973-47306	7	T1N	R2E	NE	Communications - ROW Easement	S. Side Monroe St to 59th Ave	Yes		Yes
13	CenturyLink	1981-160378.pdf	1981-160378 (DKT 16046 PG 106)	8	T1N	R2E	NW	Communications - ROW Easement		Yes		Yes
14	CenturyLink	1982-160379.pdf	1982-160379 (DKT 16046 PG 109-110)	8	T1N	R2E	NW	Communications - ROW Easement	57th Ave (Wash. to Van Buren)	Yes		Yes
15	CenturyLink	1982-271794.pdf	1982-271794 (DKT 16252 PG 320)	7	T1N	R2E	NE	Communications - ROW Easement	61st Ave (UPRR to W. Washington St.)	Yes		Yes
16	CenturyLink	1983-018712.pdf	1983-018712	7	T1N	R2E	NE	Communications - ROW Easement	W. Van Buren (Partial)	Yes		Yes
17	CenturyLink	1984-0346714_3.pdf / 1984-346714.pdf	1984-0346714	8	T1N	R2E	NW	Communications - Easement	59th Ave (SE Van Buren)	Yes		Yes
18	CenturyLink	1985-0407163_3.pdf	1985-0407163	7	T1N	R2E	NE	Communications - ROW Easement	W. Van Buren (Partial)	Yes		Yes
19	CenturyLink	1985-315512.pdf	1985-315512	5	T1N	R2E	SW	Communications - ROW Easement	59th Ave (Fillmore to McKinley)	Yes		Yes
20	CenturyLink	1985-315512.pdf	1987-542491	7	T1N	R2E	SW	Communications - ROW Easement		Yes		Yes
21	CenturyLink	1990-0216325.pdf	1990-0216325	8	T1N	R2E	NW	Communications - ROW Easement	S. Van Buren (E of 59th Ave)	Yes		Yes
22	CenturyLink	1993-railroad_crossing.pdf	1993 RR - X	8	T1N	R2E	NW	Communications - Lease - UPRR Crossing		Yes		Yes
23	CenturyLink	2001-0375887.pdf	2001-0375887	19	T1N	R2E	NW	Communications - Easement	Lower Buckeye/67th Ave	Yes		Yes

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No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
24	CenturyLink	2001-0771221.pdf	2001-0771221	19	T1N	R2E	SE	Communications - Easement	Sta 3255+41, 200' Lt - Parallel (62nd Ave/Broadway) - Line to Remote Terminal	Yes		Yes
25	CenturyLink	2004-0203978.pdf	2004-0203978	5	T1N	R2E	SW	Communications - (20'x20' Easement with 4'x10' UG Access Corridor)	59th Ave/Fillmore (East of 59th) - Liberty West	Yes		Yes
26	CenturyLink	2934-35390.pdf	1934-35390	7	T1N	R2E	SE	Communications - Easement	Not enough info to define easement location	No	Label "Undefined Easement 1934-35390" - no linework in basefile	No
27	Kinder Morgan El Paso Gas	L2039_TR2_MP1-4116 to MP2-2912_PL ESMT for SMFWY Crossing.pdf, EPNG Location map.pdf	2000-0801633	21	T1S	R2E	W1/2	Gas - 30' ROW and Easement	Vic 51st Ave / SMF crossing	Yes		Yes
28	Roosevelt Irr Dist.	2014-11-25_RID_prior_rights_letter.pdf	BK 218 PG 61-63	7	T1N	R2E	NE	Irrigation-Fee Owned Property	Salt Canal (Sta 3415+28) S. Side Van Buren	Yes		Yes
29	Roosevelt Irr Dist.	2014-11-25_RID_prior_rights_letter.pdf	BK 218 PG 61-63	8	T1N	R2E	NW	Irrigation-Fee Owned Property	Salt Canal (Sta 3415+28) S. Side Van Buren	Yes		Yes
30	Roosevelt Irr Dist.	2014-11-25_RID_prior_rights_letter.pdf	1928-0002420	8	T1N	R2E	NW	Irrigation-Fee Owned Property	Well #107 (7E-5N), SE Corner 59th/Van Buren	Yes		Yes
31	Roosevelt Irr Dist.	2014-11-25_RID_prior_rights_letter.pdf	1990-124565	7	T1N	R2E	NE	Irrigation-Fee Owned Property	Well #108 (7 1/2 E-5N), SW Corner 55th/Van Buren	Yes		Yes
32	Roosevelt Irr Dist.	71-626.pdf	Roosevelt Canal 71-626	17	T1N	R2E	N 1/2	Irrigation-Fee Owned Property	Main Canal & O&M Roads	Yes		Yes
33	Roosevelt Irr Dist.	71-626.pdf	Roosevelt Canal 71-626	18	T1N	R2E	N 1/2	Irrigation-Fee Owned Property	Main Canal & O&M Roads	Yes		Yes
34	SRP Irrigation	165-530.pdf	BK 165 PG 530	5	T1N	R1E	SW	Irrigation - ditch (Quit Claim Deed for USA Property)		Yes		Yes
35	SRP Irrigation	20150311155724014_Elliott,Dobbins and Carver Easements.pdf	BK 175 PG 204	7	T1S	R2E	NE	Irrigation - ditch (Quit Claim Deed for USA Property)	Desc on S Side of Dobbins (no canal or pipe there)	Yes		Yes
36	SRP Irrigation	20150311155724014_Elliott,Dobbins and Carver Easements.pdf	BK 186 PG 109-110	18	T1S	R2E	NE	Irrigation - ditch (Quit Claim Deed for USA Property)	Desc on S Side-Ditch on N Side of Elliot	Yes		Yes
37	SRP Irrigation	20150311155724014_Elliott,Dobbins and Carver Easements.pdf	BK 105 PG 231	6	T1S	R2E	SE	Irrigation - ditch (Quit Claim Deed for USA Property)	Ditch on N Side of Dobbins Road	Yes		Yes
38	SRP Irrigation	20150311155724014_Elliott,Dobbins and Carver Easements.pdf	NCS 242872, 2007-1037493	17	T1S	R2E	SW	Irrigation - ditch (Quit Claim Deed for USA Property)	New USA Fee Property - S. Side of Carver	Yes		Yes
39	SRP Irrigation	20150311155724014_Elliott,Dobbins and Carver Easements.pdf	BK 228 PG 557	17	T1S	R2E	SW	Irrigation - ditch (Quit Claim Deed for USA Property)	S. Side of Carver	Yes		Yes

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No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
40	SRP Irrigation	202 477 USA fee i10 LRD0000183782.pdf	BK 202 PG477-478	4	T1N	R1E	NW	Irrigation - ditch (Quit Claim Deed for USA Property)		Yes		Yes
41	SRP Irrigation	218-58.pdf	BK 218 PG 58					Deed for Irr. Well Sites, Pump Plants, Laterals		Yes		Yes
42	SRP Irrigation	3568 849 i10 LRD0000005738.pdf	DKT 3568 PG 349	1	T1N	R1E	NW	Electric/Communications-Easement		Yes	This easement is for Electric/Communications	No
43	SRP Irrigation	71-626.pdf	Roosevelt Canal 71-626	17	T1N	R2E	N 1/2	Irrigation-Fee Owned Property	Main Canal & O&M Roads	Yes		Yes
44	SRP Irrigation	71-626.pdf	Roosevelt Canal 71-626	18	T1N	R2E	N 1/2	Irrigation-Fee Owned Property	Main Canal & O&M Roads	Yes		Yes
45	SRP Irrigation	97 0282017 i10 LRD0000024286.pdf	1997-0282017 BK 397 PG 36	4	T1N	R2E	NW	Electric/Communications-Easement	Papago West - Roosevelt St	Yes	This easement is for Electric/Communications	No
46	SRP Irrigation	Grand Canal 2071-623[1].pdf	BK 71 PG 623					Irrigation-Fee Owned Property	Grand Canal	Yes	Main canal plotted - no laterals in mapping.	Yes
47	SRP Irrigation	Siphon Crossings.pdf	1915-0804 BK 113 PG 435	4	T1N	R2E	NE	Irrigation - ditch (Deed for USA Property)	43rd Ave Siphon	Yes	1915 Deed follows ditch line. Is there an update for siphon?	Yes
48	SRP Irrigation	Siphon Crossings.pdf	BK 202 PG477-478	4	T1N	R2E	NE	Irrigation - ditch (Deed for USA Property)	47th Ave Siphon	Yes	Not enough description to define location - 1926 Deed describes "That certain ditch as now located and constructed..."	Yes
49	SRP Irrigation	Siphon Crossings.pdf	BK 132 PG 117	5	T1N	R2E	W1/2	Irrigation - (Quit Claim Deed for USA Property)	51st Ave Siphon	Yes	1918 Deed follows ditch line. Siphon outside of easement. Is there an update for siphon?	Yes
50	SRP Irrigation	Siphon Crossings.pdf	BK 115 PG 407-408	5	T1N	R2E	NW	Irrigation - (Quit Claim Deed for USA Property)	55th Ave Siphon	Yes	1915 Deed follows ditch line. Siphon outside of easement. Is there an update for siphon?	Yes
51	SRP Irrigation	Siphon Crossings.pdf	BK 325 PG 148	5	T1N	R2E	NW	Irrigation - (Quit Claim Deed for USA Property)	55th Ave Siphon	Yes	1938 Deed follows ditch line. Siphon is outside of easement. Is there an update for siphon?	Yes
52	SRP Irrigation	Siphon Crossings.pdf	AGRMT 1026-81-I	6	T1N	R2E	NE	Irrigation - Agreement ADOT-SRP	59th Ave Siphon	Yes	Not enough description to define location - ADOT Project I-10-2(42)U	Yes
53	SRP Irrigation	Siphon Crossings.pdf	AGRMT 1026-81-I	6	T1N	R2E	NE	Irrigation - Agreement ADOT-SRP	No Siphon at 63rd Ave	Yes	Not enough description to define location - ADOT Project I-10-2(42)U	Yes
54	SRP Irrigation	Siphon Crossings.pdf	AGRMT 1026-81-I	6	T1N	R2E	NE	Irrigation - Agreement ADOT-SRP	67th Ave Siphon	Yes	Not enough description to define location - ADOT Project I-10-2(42)U	Yes
55	SRP Irrigation	Siphon Crossings.pdf	BK 172 PG 593-594	1	T1N	R1E	NW	Irrigation - (Quit Claim Deed for USA Property)	71st Ave Siphon	Yes	1923 Deed follows ditch line does not define easement width. Is there an update for siphon?	Yes
56	SRP Irrigation	Siphon Crossings.pdf	2006-0699680	1	T1N	R1E	NW	USA Easement	71st Ave Siphon - Roosevelt BP Ph 2	Yes	This portion is adjacent and south of existing ADOT ROW	Yes
57	SRP Irrigation	Siphon Crossings.pdf	AGRMT 1052-82-I	2	T1N	R1E	NE	Irrigation - Agreement ADOT-SRP	75th Avenue Siphon	Yes	Not enough description to define location - ADOT Project I-10-2(42)U	Yes

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No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
58	SRP Irrigation	Western Canal113-254[1].pdf	BK 113 PG 254					Irrigation - Right of Way	Western Canal	Yes	Main canal plotted - no laterals in mapping.	Yes
59	SRPP Dist.	S. Moutain West 2 of 17.pdf	DKT 258 PG 529	17	T1S	R2E	NW	Electric - Easement	1 -5	Yes		Yes
60	SRPP Dist.	S. Mtn Frwy West 4 of 17.pdf	DKT 10106 PG 1006	6	T1S	R2E	SE	Electric - Easement	4-5 - 59th Ave / Dobbins	Yes		Yes
61	SRPP Dist.	S. Mtn Frwy West 4 of 17.pdf	DKT 10106 PG 1007	6	T1S	R2E	SE	Electric - Easement	6-7 - 59th Ave / Dobbins	Yes		Yes
62	SRPP Dist.	S. Mtn Frwy West 4 of 17.pdf	DKT 8912 PG 810	6	T1S	R2E	SE	Electric - Easement	2-3 - 59th Ave / Dobbins	Yes		Yes
63	SRPP Dist.	S. Mtn Frwy West 4 of 17.pdf	DKT 8912 PG 811	6	T1S	R2E	SE	Electric - Easement	1 - 59th Ave / Dobbins	Yes		Yes
64	SRPP Dist.	S. Mtn Frwy West 5 of 17.pdf	1991-274338	31	T1N	R2E	SE	Electric - Easement	3-S 61st Dr	Yes		Yes
65	SRPP Dist.	S. Mtn Frwy West 5 of 17.pdf	1991-327421	31	T1N	R2E	SE	Electric - Easement	2- 62nd Ave/Vinyard	Yes		Yes
66	SRPP Dist.	S. Mtn Frwy West 5 of 17.pdf	2001-0915373	31	T1N	R2E	SE	Electric - Easement	1 - 62nd Ave/Vinyard	Yes		Yes
67	SRPP Dist.	S. Mtn Frwy West 5 of 17.pdf	2007-0357647	6	T1S	R2E	NE	Electric - Easement	16-20 - Baseline Rd	Yes		Yes
68	SRPP Dist.	S. Mtn Frwy West 5 of 17.pdf	DKT 15031 PG 601	31	T1N	R2E	SE	Electric - Easement	4- S 61st Dr	Yes		Yes
69	SRPP Dist.	S. Mtn Frwy West 5 of 17.pdf	DKT 15031 PG 601	31	T1N	R2E	SE	Electric - Easement	5-6 - S 61st Dr	Yes		Yes
70	SRPP Dist.	S. Mtn Frwy West 6 of 17.pdf	2005-0855456	31	T1N	R2E	SE	Electric - Easement	1 - 3 (63rd Ave/W Vinyard Rd)	Yes		Yes
71	SRPP Dist.	S. Mtn Frwy West 6 of 17.pdf	2005-0855455	31	T1N	R2E	SE	Electric - Easement	4 (63rd Ave/W Vinyard Rd)	Yes		Yes
72	SRPP Dist.	S. Mtn Frwy West 6 of 17.pdf	2000-0870793	31	T1N	R2E	SE	Electric - Easement	5 (63rd Ave/W Vinyard Rd)	Yes		Yes
73	SRPP Dist.	S. Mtn Frwy West 7 of 17.pdf	2007-0896792	30	T1N	R2E	S 1/2	Electric - Easement	11-13 - 67th Ave / Southern	Yes		Yes
74	SRPP Dist.	S. Mtn Frwy West 7 of 17.pdf	2001-0431816	31	T1N	R2E	NW	Electric - Easement	1 - Country Gardens Charter School	Yes		Yes
75	SRPP Dist.	S. Mtn Frwy West 7 of 17.pdf	1990-325711	30	T1N	R2E	SE	Electric - Easement	15 - Southern Ave	Yes		Yes
76	SRPP Dist.	S. Mtn Frwy West 7 of 17.pdf	DKT 3585 PG 403	30	T1N	R2E	S 1/2	Electric - Easement	2-10 - W Southern Ave	Yes		Yes
77	SRPP Dist.	S Mnt Sheet 8 of 17 West.pdf	BK 639 PG 12	19	T1N	R2E	SE	Electric - Power Distribution Easement	13 -Rio Del Rey Unit IV	Yes		Yes
78	SRPP Dist.	S Mnt Sheet 8 of 17 West.pdf	DKT 9738 PG 111-115	19	T1N	R2E	SE	Electric - Easement	8, 10-13 - Rio Del Rey Unit IV	Yes		Yes
79	SRPP Dist.	S Mnt Sheet 8 of 17 West.pdf	1987-286301	30	T1N	R2E	NE	Electric-Esmt and Prior Rights Agreement	25-32 - W Broadway Rd	Yes		Yes
80	SRPP Dist.	S Mnt Sheet 8 of 17 West.pdf, S. Mtn Frwy West 9 of 17.pdf	BK 525 PG 46	19	T1N	R2E	SE	Electric - Easement	(8) 1-8 & (9) 1 - Rio Del Rey Unit I	Yes		Yes

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81	SRPP Dist.	S Mnt Sheet 8 of 17 West.pdf, S. Mtn Frwy West 9 of 17.pdf	2000-0905210	19	T1N	R2E	SE	Electric Underground Power Easement	(8) 1-8 & (9) 1 - Rio Del Rey Unit I	Yes		Yes
82	SRPP Dist.	S Mnt Sheet 8 of 17 West.pdf, S. Mtn Frwy West 9 of 17.pdf	BK 587 PG 39	19	T1N	R2E	SE	Electric - Easement	(8) 9-12 & (9) 2 - Rio Del Rey Unit II	Yes		Yes
83	SRPP Dist.	S Mnt Sheet 8 of 17 West.pdf, S. Mtn Frwy West 9 of 17.pdf	2002-0526289	19	T1N	R2E	SE	Electric - Easement	(8) 9-12 & (9) 2 - Rio Del Rey Unit II	Yes		Yes
84	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10512 PG 757	18	T1N	R2E	NE	Electric - Easement	1-2	Yes		Yes
85	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10480 PG 526	18	T1N	R2E	NE	Electric - Easement	3	Yes		Yes
86	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10512 PG 753	18	T1N	R2E	NE	Electric - Easement	3	Yes		Yes
87	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10512 PG 751	18	T1N	R2E	SE	Electric - Easement	8-10	Yes		Yes
88	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10512 PG 749	18	T1N	R2E	SE	Electric - Easement	17-21	Yes		Yes
89	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 162 PG 194	18	T1N	R2E	SE	Electric - Quit Claim Deed	22	Yes		Yes
90	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10512 PG 755	18	T1N	R2E	SE	Electric - 7' Easement	23-27	Yes		Yes
91	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10567 PG 693	19	T1N	R2E	NE	Electric - Easement	28-29	Yes		Yes
92	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 3635 PG 170	19	T1N	R2E	NE	Electric - 35.5' Easement	28-34	Yes		Yes
93	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10593 PG 1054	19	T1N	R2E	NE	Electric - Easement	30	Yes		Yes
94	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10567 PG 691	19	T1N	R2E	NE	Electric - Easement	31	Yes		Yes
95	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 8036 PG 541	19	T1N	R2E	NE	Electric - Easement	35-45	Yes		Yes
96	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 10480 PG 560	20	T1N	R2E	NW	Electric - 7' Easement	46-49	Yes		Yes
97	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 3635 PG 171	20	T1N	R2E	NW	Electric - Easement	49-51	Yes		Yes
98	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	2009-1080012	20	T1N	R2E	NW	Electric - Power Distribution Easement	51-54 - Lower Buckeye Rd	Yes		Yes
99	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 4846 PG 101	17	T1N	R2E	SW	Electric - Easement	55-59	Yes		Yes
100	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	2007-0369402	17	T1N	R2E	SW	Electric - Power Distribution Easement	60-62 - 59th Ave / Lower Buckeye Rd	Yes		Yes
101	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	BK 837 PG 26	17	T1N	R2E	SW	Electric - PUE	67-71 - 59th Ave / Watkins St	Yes		Yes
102	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 4900 PG 515	17	T1N	R2E	NW	Electric - Easement	77	Yes		Yes



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103	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 4860 PG 155	17	T1N	R2E	NW	Electric - Easement	77-79	Yes		Yes
104	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	DKT 13142 PG 160	17	T1N	R2E	NW	Electric - Easement	80	Yes		Yes
105	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	1987-219969	7	T1N	R2E	SE	Electric-Underground Power Easement	3	Yes		Yes
106	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 10177 PG 63	7	T1N	R2E	SE	Electric-Overhead and Underground Power Easement	5	Yes		Yes
107	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	1985-557244	7	T1N	R2E	SE	Electric-Underground Power Easement	5	Yes		Yes
108	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 10177 PG 63	7	T1N	R2E	SE	Electric-Overhead and Underground Power Easement	5-6	Yes		Yes
109	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	1994-0733678	7	T1N	R2E	SE	Electric-Underground Power Easement	9 - 60th Ave / Sherman	Yes		Yes
110	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 10480 PG 541	7	T1N	R2E	SE	Electric-Overhead and Underground Power Easement	14	Yes		Yes
111	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 10458 PG 571	7	T1N	R2E	SE	Electric-Overhead and Underground Power Easement	15,17,20	Yes		Yes
112	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	1990-007083	7	T1N	R2E	SE	Electric-Overhead and Underground Power Easement	16	Yes		Yes
113	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	1983-128046	7	T1N	R2E	SE	Electric-Overhead and Underground Power Easement	21-23	Yes		Yes
114	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	1993-0301859	7	T1N	R2E	SE	Electric-Overhead and Underground Power Easement	21-26	Yes		Yes
115	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 10711 PG 1121	7	T1N	R2E	SE	Electric-Overhead and Underground Power Easement	30-31	Yes		Yes
116	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	2004-0942243	7	T1N	R2E	SE	Electric - Power Distribution Easement	34	Yes		Yes
117	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	BK 642 PG 39	7	T1N	R2E	SE	Electric - PUE	34 - Plat of Estrella Commerce Park	Yes		Yes
118	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 10512 PG 757	18	T1N	R2E	NE	Electric-7' Overhead and Underground Power Easement	41-51	Yes		Yes
119	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 4860 PG 155	17	T1N	R2E	NW	Electric-35.5' Easement	52-53, 62-63, 67-68, 71, 77-80, 91-93	Yes		Yes

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No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
120	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 10622 PG 1065	17	T1N	R2E	NW	Electric-3' Overhead and Underground Power Easement	64-65	Yes		Yes
121	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 11306 PG 1011	17	T1N	R2E	NW	Electric-7' Overhead and Underground Power Easement	66	Yes		Yes
122	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 10430 PG 1149	17	T1N	R2E	NW	Electric-3' Overhead and Underground Power Easement	69-70	Yes		Yes
123	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 11491 PG 714	17	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	72-73	Yes		Yes
124	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 10603 PG 840	17	T1N	R2E	NW	Electric-7' Overhead and Underground Power Easement	74-76	Yes		Yes
125	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 12946 PG 36	17	T1N	R2E	NW	Electric-7' Overhead and Underground Power Easement	96	Yes		Yes
126	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	1997-0302509	8	T1N	R2E	SW	Electric-8' Overhead and Underground Power Easement	100	Yes		Yes
127	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 6555 PG 110	8	T1N	R2E	SW	Electric- Easement	105, 107-109	Yes		Yes
128	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 14941 PG 1237	8	T1N	R2E	SW	Electric-7' Overhead and Underground Power Easement	105	Yes		Yes
129	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 14441 PG 922	7	T1N	R2E	NE	Electric-7' Underground Power Easement	1-2	Yes		Yes
130	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 9906 PG 852	7	T1N	R2E	NE	Electric-7' Overhead and Underground Power Easement	Monroe St at 59th Ave	Yes		Yes
131	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10495 PG 503	7	T1N	R2E	NE	Electric-3.5' Overhead and Underground Power Easement	9	Yes		Yes
132	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 6959 PG 661	7	T1N	R2E	NE	Electric-3' Overhead and Underground Power Easement	11	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
133	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 4964 PG 592	7	T1N	R2E	NE	Electric- 8' Easement	12-16	Yes		Yes
134	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10439 PG 856	7	T1N	R2E	NE	Electric-3.5' Overhead and Underground Power Easement	18,20	Yes		Yes
135	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10439 PG 858	7	T1N	R2E	NE	Electric-3.5' Overhead and Underground Power Easement	18,20	Yes		Yes
136	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 13142 PG 173	7	T1N	R2E	NE	Electric-8' Overhead and Underground Power Easement	18,20	Yes		Yes
137	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 16226 PG 26	7	T1N	R2E	NE	Electric-7' Overhead and Underground Power Easement	19	Yes		Yes
138	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1987-271775	7	T1N	R2E	NE	Electric-7' Underground Power Easement	21	Yes		Yes
139	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10495 PG 524	7	T1N	R2E	NE	Electric-3.5' Overhead and Underground Power Easement	22	Yes		Yes
140	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10480 PG 542	7	T1N	R2E	NE	Electric-3.5' Overhead and Underground Power Easement	30-31	Yes		Yes
141	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10439 PG 878	7	T1N	R2E	NE	Electric-5.5' Overhead and Underground Power Easement	32, 35-36	Yes		Yes
142	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 8741 PG 489	7	T1N	R2E	NE	Electric-7' Overhead and Underground Power Easement	33-34	Yes		Yes
143	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10458 PG 578	7	T1N	R2E	NE	Electric-7' Overhead and Underground Power Easement	37	Yes		Yes
144	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1986-062338	7	T1N	R2E	NE	Electric-7' Underground Power Easement	38	Yes		Yes
145	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 3452 PG 451	7	T1N	R2E	NE	Electric-10' Overhead Power Easement	39-40	Yes		Yes
146	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 407 PG 490	7	T1N	R2E	SE	Electric-Overhead Power Easement	42-44	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
147	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10439 PG 857	7	T1N	R2E	SE	Electric-7' Overhead and Underground Power Easement	44	Yes		Yes
148	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10538 PG 1139	7	T1N	R2E	NE	Electric-7.5' Overhead and Underground Power Easement	46	Yes		Yes
149	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10684 PG 1196-1197	7	T1N	R2E	NE	Electric-7' Overhead Power Easement	46,50	Yes		Yes
150	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 5137 PG 311	7	T1N	R2E	SE	Electric-5.5' Overhead Power Easement	46-49	Yes		Yes
151	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 14605 PG 504	7	T1N	R2E	NE	Electric-7' Overhead and Underground Power Easement	49, 53	Yes		Yes
152	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10495 PG 522	7	T1N	R2E	NE	Electric-7.5' Overhead and Underground Power Easement	50	Yes		Yes
153	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 5233 PG 92	7	T1N	R2E	SE	Electric-Overhead Power Easement	51-52	Yes		Yes
154	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 10480 PG 540	7	T1N	R2E	SE	Electric-7' Overhead and Underground Power Easement	54-55, 57, 59-60	Yes		Yes
155	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1986-632759	7	T1N	R2E	SE	Electric-7' Underground Power Easement	56	Yes		Yes
156	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	2002-0382389	7	T1N	R2E	SE	Electric-8' Overhead and Underground Power Easement	61	Yes		Yes
157	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 13326 PG 352	7	T1N	R2E	SE	Electric - Overhead and Underground Power Easement	62	Yes		Yes
158	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1992-0576919	7	T1N	R2E	SE	Electric-8' Underground Power Easement	62	Yes		Yes
159	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1991-395875	7	T1N	R2E	SE	Electric-8' Underground Power Easement	65	Yes		Yes
160	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1996-0625817	7	T1N	R2E	SE	Electric-8' Underground Power Easement	66	Yes		Yes
161	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 8531 PG 133-134	7	T1N	R2E	SE	Prior Rights Claim (COP Fee Owned Property)	67-69	Yes	SRP Facilities installed on COP Property to serve COP	Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
162	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 407 PG 489	8	T1N	R2E	SW	Electric-Overhead Power Easement	91-94	Yes		Yes
163	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 3568 PG 341	8	T1N	R2E	NW	Electric-10' Overhead Power Easement	95-99	Yes		Yes
164	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 15111 PG 1016	8	T1N	R2E	NW	Electric-Underground Power Easement	98-99, 104-107, 110-111, 113-114, 116	Yes		Yes
165	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	2013-0423202	8	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	100	Yes		Yes
166	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	2002-0717044	8	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	101	Yes		Yes
167	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1987-536364	8	T1N	R2E	NW	Electric-7' Underground Power Easement	102	Yes		Yes
168	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1997-0212257	8	T1N	R2E	NW	Electric-8' Underground Power Easement	103	Yes		Yes
169	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	DKT 15869 PG 67	8	T1N	R2E	NW	Electric-8' Underground Power Easement	108	Yes		Yes
170	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1991-012933	8	T1N	R2E	NW	Electric-8' Underground Power Easement	109	Yes		Yes
171	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	1990-108381	8	T1N	R2E	NW	Electric-8' Underground Power Easement	112	Yes		Yes
172	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	2006-1074992	8	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	115	Yes		Yes
173	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	BK 145 PG 18	6	T1N	R2E	N 1/2	Electric - PUE	1-2 - Patio Homes West	Yes		Yes
174	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	BK 169 PG 23	6	T1N	R2E	SE	Electric - PUE	3-17 - Centura West	Yes		Yes
175	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 10439 PG 869	6	T1N	R2E	SE	Electric-7' Overhead and Underground Power Easement	18-19, 21-25, 27-29	Yes		Yes
176	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1989-554876	6	T1N	R2E	SE	Electric-8' Underground Power Easement	26	Yes		Yes
177	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 10439 PG 854	6	T1N	R2E	SE	Electric-7' Overhead and Underground Power Easement	27-29, 31-32	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
178	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 3898 PG 333	7	T1N	R2E	NE	Electric-Overhead Power Easement	33-34, 36-37	Yes		Yes
179	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 3911 PG 306	7	T1N	R2E	NE	Electric-Overhead Power Easement	33-34, 36-37	Yes		Yes
180	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 12738 PG 613	7	T1N	R2E	NE	Electric-7' Overhead and Underground Power Easement	35	Yes		Yes
181	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 10439 PG 856	7	T1N	R2E	NE	Electric-3.5' Overhead and Underground Power Easement	38	Yes		Yes
182	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 12052 PG 945	7	T1N	R2E	NE	Electric-7' Overhead and Underground Power Easement	39	Yes		Yes
183	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 14441 PG 922	7	T1N	R2E	NE	Electric-7' Underground Power Easement	43	Yes		Yes
184	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1992-0523400	7	T1N	R2E	NE	Electric-8' Underground Power Easement	44	Yes		Yes
185	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1986-025892	7	T1N	R2E	NE	Electric-10' Underground Power Easement	45	Yes		Yes
186	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	BK 762 PG 5	8	T1N	R2E	NW	Electric - PUE	47 - Ross Equipment	Yes		Yes
187	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	BK 218 PG 58	8	T1N	R2E	NW	Electric - PUE	48	Yes	Same area as 2006-1074992	Yes
188	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	BK 237 PG 15	8	T1N	R2E	NW	Electric - PUE	47, 48-50, 52-53, 56 - Phoenix Fwy Industrial Center Phase II	Yes		Yes
189	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	2006-1074992	8	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	48-49	Yes		Yes
190	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1994-0532329	8	T1N	R2E	NW	Electric-10' Underground Power Easement	51	Yes		Yes
191	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 16291 PG 563	8	T1N	R2E	NW	Electric-7' Underground Power Easement	52-53	Yes		Yes
192	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1994-0224204	8	T1N	R2E	NW	Electric-8' Underground Power Easement	54-55	Yes		Yes
193	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 3936 PG 389	5	T1N	R2E	SW	Electric-Overhead Power Easement	57-62	Yes		Yes
194	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	DKT 3936 PG 392	5	T1N	R2E	SW	Electric-Overhead Power Easement	57-62	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
195	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1987-253251	5	T1N	R2E	SW	Electric-7' Underground Power Easement	64	Yes		Yes
196	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1991-0515261	5	T1N	R2E	SW	Electric-8' Underground Power Easement	65	Yes		Yes
197	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	2004-0183956	5	T1N	R2E	SW	Electric-8' Overhead and Underground Power Easement	66	Yes		Yes
198	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1992-0736263	5	T1N	R2E	SW	Electric-6' Underground Power Easement	67	Yes		Yes
199	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	BK 417 PG 46	5	T1N	R2E	SW	Electric - PUE	70-72 - Inland Kenworth	Yes		Yes
200	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1996-0713353	5	T1N	R2E	SW	Electric-8' Underground Power Easement	73	Yes		Yes
201	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	BK 531 PG 11	5	T1N	R2E	NW	Electric - PUE	74, 76	Yes		Yes
202	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	2000-0890681	5	T1N	R2E	NW	Electric-Underground Power Easement	75	Yes		Yes
203	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1992-0138375	5	T1N	R2E	NW	Electric-8' Underground Power Easement	77	Yes		Yes
204	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	BK 234 PG 48	5	T1N	R2E	NW	Electric - PUE	78,80	Yes		Yes
205	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	1992-0085483	5	T1N	R2E	NW	Electric-8' Underground Power Easement	79	Yes		Yes
206	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	2014-0070837	6	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	1 - 67th Ave/Latham St (Estrella Commerce Center)	Yes		Yes
207	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	2014-0794893	6	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	2 - Billboards on 6600 W Latham	Yes		Yes
208	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	2014-0070838	6	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	3 - 67th Ave/Latham St (Estrella Commerce Center)	Yes		Yes
209	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	2014-0766336	6	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	4 - Billboards on 67th Ave/l-10	Yes		Yes
210	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	2014-0070839	6	T1N	R2E	NW	Electric-Overlay Easement	5 - Estrella Vista Commerce Park	Yes		Yes

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No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
211	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	BK 38 PG 258	6	T1N	R2E	NW	Electric-Overhead and Underground Power Easement	6	Yes		Yes
212	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	BK 145 PG 18	6	T1N	R2E	NW	Electric - PUE	7-11	Yes		Yes
213	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	DKT 9247 PG 816	6	T1N	R2E	NW	Electric-3' Underground Power Easement	12	Yes		Yes
214	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	2001-0789672	6	T1N	R2E	NE	Electric-8' Underground Power Easement	25	Yes		Yes
215	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	1987-439768	6	T1N	R2E	NE	Electric-7' Underground Power Easement	26	Yes		Yes
216	SRPP Dist.	South Mtn Frwy West 15 of 17.pdf	2014-0070838	6	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	1 - 67th Ave/Latham St (Estrella Commerce Center)	Yes		Yes
217	SRPP Dist.	South Mtn Frwy West 15 of 17.pdf	2014-0070837	6	T1N	R2E	NW	Electric-8' Overhead and Underground Power Easement	2-3 - 67th Ave/Latham St (Estrella Commerce Center)	Yes		Yes
218	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	DKT 15816 PG 238	6	T1N	R2E	NE	Electric-Overhead and Underground Power Easement	1	Yes		Yes
219	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 38 PG 258	6	T1N	R2E	NE	Electric-Overhead Power Easement	7-12	Yes		Yes
220	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 145 PG 18	6	T1N	R2E	NE	Electric - PUE	7-12 - Patio Homes West	Yes		Yes
221	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1997-0879709	5	T1N	R2E	NW	Electric-8' Underground Power Easement	18 - Waffle House (59th Ave)	Yes		Yes
222	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1997-0879710	5	T1N	R2E	NW	Electric-8' Underground Power Easement	19 - Circle K	Yes		Yes
223	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1990-092636	5	T1N	R2E	NW	Electric-7' Underground Power Easement	20 - Circle K	Yes		Yes
224	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1998-0677513	5	T1N	R2E	NW	Electric-8' Underground Power Easement	20 - HGC	Yes		Yes
225	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1992-0247854	5	T1N	R2E	NW	Electric-7' Underground Power Easement	21 - Circle K	Yes		Yes
226	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 234 PG 48	5	T1N	R2E	NW	Electric - PUE	23-24, 27-29 - I-10 Industrial Park West Unit 2	Yes		Yes
227	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 478 PG 27	5	T1N	R2E	NW	Electric - PUE	23-24 - I-10 Industrial Park West Unit 2 - Pilot Addition	Yes		Yes



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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
228	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	2006-1625449	5	T1N	R2E	NW	Electric-8' Underground Power Easement	25	Yes		Yes
229	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1999-0923934	5	T1N	R2E	NW	Electric-8' Underground Power Easement	26	Yes		Yes
230	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 564 PG 41	5	T1N	R2E	NW	Electric - PUE	27-29 - Phoenix Truck Wash	Yes		Yes
231	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 234 PG 48	5	T1N	R2E	NW	Electric - PUE	30-31 - I-10 Industrial Park West	Yes		Yes
232	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1990-360513	5	T1N	R2E	NW	Electric-7' Underground Power Easement	32	Yes		Yes
233	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 234 PG 48	5	T1N	R2E	NE	Electric - PUE	33 - I-10 Industrial Park West	Yes		Yes
234	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf, Siphon Crossings.pdf	BK 115 PG 407-408, BK 325 PG 148	5	T1N	R2E	NE	Easement reserved on USA Land for SRP Electric/Irrigation	34 - Quit Claim Deeds	Yes		Yes
235	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1990-313191	5	T1N	R2E	NE	Electric-7' Underground Power Easement	35	Yes		Yes
236	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 234 PG 48	5	T1N	R2E	NE	Electric - PUE	36-37 - I-10 Industrial Park West	Yes		Yes
237	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 552 PG 33	5	T1N	R2E	NE	Electric - PUE	36-37	Yes		Yes
238	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1993-0438464	5	T1N	R2E	NE	Electric-7.5' Underground Power Easement	38	Yes		Yes
239	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 234 PG 48	5	T1N	R2E	NE	Electric - PUE	39 - I-10 Industrial Park West	Yes		Yes
240	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	1990-285447	5	T1N	R2E	NE	Electric- Underground Power Easement	40 - I-10 Industrial Park West, Unit 2	Yes		Yes
241	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 234 PG 48	5	T1N	R2E	NE	Electric - PUE	41-42 (55th Ave / Latham)	Yes		Yes
242	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 448 PG 26	5	T1N	R2E	NE	Electric - PUE	41 - Coronado Replat	Yes		Yes
243	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	BK 467 PG 36	5	T1N	R2E	NE	Electric - PUE	42 - Coronado Replat Unit Two	Yes		Yes
244	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	BK 144 PG 25	5	T1N	R2E	NE	Electric - PUE	1-4 - Hallcraft Villas West Seven	Yes		Yes
245	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	2013-0307910	5	T1N	R2E	NE	Electric-8' Underground Power Easement	5	Yes		Yes
246	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	1986-342769	5	T1N	R2E	NE	Electric-8' Underground Power Easement	7, 9, 10-11	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
247	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	1989-040311	5	T1N	R2E	NE	Electric-3' Underground Power Easement	8, 9	Yes		Yes
248	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	1986-040310	5	T1N	R2E	NE	Electric-3' Underground Power Easement	9	Yes		Yes
249	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	1997-0808209	5	T1N	R2E	NE	Electric-8' Underground Power Easement	12	Yes		Yes
250	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	BK 321 PG 26	4	T1N	R2E	NW	Electric - PUE	16	Yes		Yes
251	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	BK 428 PG 13	4	T1N	R2E	NW	Electric - PUE	16	Yes		Yes
252	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	1984-105511	4	T1N	R2E	NW	Electric-10' Easement	17-21	Yes		Yes
253	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	2001-0143081	4	T1N	R2E	NW	Electric-8' Underground Power Easement	22	Yes		Yes
254	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	1999-0047137	4	T1N	R2E	NW	Electric-8' Underground Power Easement	23	Yes		Yes
255	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	1999-0939601	4	T1N	R2E	NW	Electric-8' Underground Power Easement	24-24A	Yes		Yes
256	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	2013-1014548	4	T1N	R2E	NW	Electric-10' Easement	25	Yes		Yes
257	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	2002-0927518	5	T1N	R2E	NE	Electric-8' Underground Power Easement	28	Yes		Yes
258	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	2009-0685785	4	T1N	R2E	NW	Electric-8' Underground Power Easement	30	Yes		Yes
259	SRPP Dist.	South Mtn Frwy East 3 of 22.pdf	BK 534 PG 26	31	T1S	R4E	S 1/2	Electric - PUE	1-2 - Foothills Paseo II	Yes		Yes
260	SRPP Dist.	South Mtn Frwy East 3 of 22.pdf	2000-054560	31	T1S	R4E	SW	Electric - PUE	1-2 - Plat (534-26)	Yes		Yes
261	SRPP Dist.	South Mtn Frwy East 3 of 22.pdf	2009-0187387	31	T1S	R4E	SW	Electric-Underground Power Easement	1-2	Yes		Yes
262	SRPP Dist.	South Mtn Frwy East 3 of 22.pdf	1986-128770	31	T1S	R4E	SW	Electric - 500 kV 100' Easement	5-10	Yes		Yes
263	SRPP Dist.	South Mtn Frwy East 3 of 22.pdf	1999-0986441	31	T1S	R4E	SW	Electric - Easement	5-10	Yes		Yes
264	SRPP Dist.	South Mtn Frwy East 3 of 22.pdf	1966-GRIC Svc Line Agreement	31	T1S	R4E	SW	Electric-Service Line Agreement / Easement	11-18	No	R/W A-46-33 Document provided is not readable. Better version is not available per Jamie Lando, SRP, 10/05/15	Yes
265	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	1986-128770	31	T1S	R4E	SW	Electric - 500 kV 100' Easement	2	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
266	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	BK 294 PG 44	36	T1S	R3E	SE	Electric - PUE	3 - Wilton Commons	Yes		Yes
267	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	BK 612 PG 34	36	T1S	R3E	SW	Electric - PUE	4-7 - Phoenix Park and Ride	Yes		Yes
268	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	BK 290 PG 18	36	T1S	R3E	SE	Electric - PUE	9-10 - Lakewood	Yes		Yes
270	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	DKT 14160 PG 774	31	T1S	R4E	SW	Electric-Overhead and Underground Power Easement	18-19	Yes		Yes
271	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	1966-GRIC Svc Line Agreement	31	T1S	R4E	SW	Electric-Service Line Agreement / Easement	20-21	No	R/W A-46-33 Document provided is not readable. Better version is not available per Jamie Lando, SRP, 10/05/15	Yes
272	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	DKT 14160 PG 774	36	T1S	R3E	SW	Electric-Overhead and Underground Power Easement	22-24	Yes		Yes
273	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	DKT 14160 PG 631	31	T1S	R4E	SW	Electric-Overhead and Underground Power Easement	25-27	Yes		Yes
274	SRPP Dist.	South Mtn Frwy East 5 of 22.pdf	DKT 14160 PG 631	35	T1S	R3E	SE	Electric-Overhead and Underground Power Easement	1-6, 20-22	Yes		Yes
275	SRPP Dist.	South Mtn Frwy East 5 of 22.pdf, KJB-1023.pdf	2004-GRIC Svc Line Agreement	2	T2S	R3E	NE	Electric-Service Line Agreement / Easement	7-8	Yes	Exhibit SRP Job Number KJV-01023, not included with submittal.	Yes
276	SRPP Dist.	South Mtn Frwy East 5 of 22.pdf	BK 290 PG 18	36	T1S	R3E	SE	Electric - PUE	13, 14 - Lakewood	Yes		Yes
277	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	PNM & APS Agreements	35	T1S	R3E	SW	Electric-Esmt 12kV Dist Line (PNM-APS)	1-5 (1/4 mile west of 7th St to 48th St)	Yes	Verbal Agreement - No Description - Same area as DKT 14142 PG 772-774	Yes
278	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	PNM (12-11-1989) & APS (11-28-1989) Agreements	35	T1S	R3E	SE	Electric-Esmt 12kV Dist Line (PNM-APS)	1-5 (1/4 mile west of 7th St to 48th St)	Yes	Verbal Agreement - No Description - Same area as DKT 14142 PG 772-774	Yes
279	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	DKT 14160 PG 631	35	T1S	R3E	SE	Electric-Overhead and Underground Power Easement	1, 6-9	Yes		Yes
280	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	1986-144551	35	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement	2-4, 10-17	Yes		Yes
281	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	1992-0017354	35	T1S	R3E	S 1/2	Electric - 69 kV/12 kV 10' Easement	2-4, 10-17	Yes		Yes
282	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	DKT 14142 PG 772	35	T1S	R3E	SW	Electric - 500 kV 75' Easement	5, 18	Yes		Yes
283	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	1991-0524450	35	T1S	R3E	SW	Electric - 69 kV/12 kV 10' Easement	5, 18	Yes		Yes
284	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	BK 310 PG 43	35	T1S	R3E	SW	Electric - PUE	21 - Cays Pavillion (Becos Rd -28th Pl to 29th Pl)	Yes		Yes
285	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	BK 395 PG 29	35	T1S	R3E	SW	Electric - PUE	22-24 - Goldman Ranch (Pecos Rd -26th St to 27th Place)	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
286	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	1997-0716485	35	T1S	R3E	SW	Electric-8' Underground Power Easement	25 - Mountain Park Community Church	Yes		Yes
287	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	1992-0085480	35	T1S	R3E	SW	Electric-8' Underground Power Easement	26-29 - SRP facilities on Kyrene Elementary School District 28	Yes		Yes
288	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	BK 372 PG 12	35	T1S	R3E	SW	Electric - PUE	30 - Foothills Mtn Ranch (Liberty Lane/25th St)	Yes		Yes
289	SRPP Dist.	South Mtn Frwy East 7 of 22.pdf	DKT 14142 PG 772	35	T1S	R3E	SW	Electric - 500 kV 75' Easement	1	Yes		Yes
290	SRPP Dist.	South Mtn Frwy East 7 of 22.pdf	PNM (12-11-1989) & APS (11-28-1989) Agreements	35	T1S	R3E	SW	Electric-Esmt 12kV Dist Line (PNM-APS)	1-3 (1/4 mile west of 7th St to 48th St)	Yes	Verbal Agreement - No Description - Same area as DKT 14142 PG 772-774	Yes
291	SRPP Dist.	South Mtn Frwy East 7 of 22.pdf	DKT 12960 PG 626	34	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement	2-3, 4-11	Yes		Yes
292	SRPP Dist.	South Mtn Frwy East 7 of 22.pdf	1989-598240	34	T1S	R3E	S 1/2	Electric - Overhead Transmission Line 10' Easement	4-11	Yes		Yes
293	SRPP Dist.	South Mtn Frwy East 7 of 22.pdf	1990-285440	34	T1S	R3E	SE	Electric - Overhead Transmission Line 10' Easement	24-25	Yes		Yes
294	SRPP Dist.	South Mtn Frwy East 7 of 22.pdf	BK 318 PG 48	34	T1S	R3E	SE	Electric - PUE	26-27 (24th St)	Yes		Yes
295	SRPP Dist.	South Mtn Frwy East 7 of 22.pdf	1999-0683058	34	T1S	R3E	SE	Electric-8' Underground Power Easement	28-29 (Foothills Apartments - 24th St & Liberty Ln)	Yes		Yes
296	SRPP Dist.	South Mtn Frwy East 7 of 22.pdf	1993-0175624	34	T1S	R3E	E 1/2	Electric-8' Underground Power Easement	30 - The Foothill Community Association	Yes		Yes
297	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	DKT 12960 PG 626	33-34	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement	1-14	Yes		Yes
298	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	GRIC Svc Line Agreement #A-46-15	4	T2S	R3E	W 1/2	Electric-Service Line Agreement / Easement	1-6	Yes	Same area as DKT 12960 PG 626	Yes
299	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	GRIC Svc Line Agreement #A-46-15	4	T2S	R3E	E 1/2	Electric-Service Line Agreement / Easement	1-6	Yes	Same area as DKT 12960 PG 626	Yes
300	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	GRIC Svc Line Agreement #A-46-15	9	T2S	R3E	NW	Electric-Service Line Agreement / Easement	1-6	Yes	Same area as DKT 12960 PG 626	Yes
301	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	GRIC Svc Line Agreement #A-46-15	9	T2S	R3E	NE	Electric-Service Line Agreement / Easement	1-6	Yes	Same area as DKT 12960 PG 626	Yes
302	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	PNM (12-15-1989) & APS (11-28-1989) Agreements	33-34	T1S	R3E	S 1/2	Electric-Service Line Agreement / Easement	1-6	Yes	Verbal Agreement - No Description - Same area as DKT 12960 PG 626	Yes
303	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	PNM (12-15-1989) & APS (11-28-1989) Agreements	31	T1S	R4E	S 1/2	Electric-Service Line Agreement / Easement	1-6	Yes	Verbal Agreement - No Description - Same area as DKT 12960 PG 626	Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
304	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	1989-598240	33-34	T1S	R3E	S 1/2	Electric - Overhead Transmission Line 10' Easement	7-14	Yes		Yes
305	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	1990-285440	34	T1S	R3E	SE	Electric - Overhead Transmission Line 10' Easement	7-14	Yes		Yes
306	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	Az State Land ROW #16-4318	34	T1S	R3E	SE	Electric - State Land ROW	15-17	Yes		Yes
307	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	BK 343 PG 27	34	T1S	R3E	S 1/2	Electric - PUE	18 - Foothills Parcel 5C (15th St to 17th St)	Yes		Yes
308	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	DKT 12960 PG 626	33	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement	1-8	Yes		Yes
309	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	1989-598240	33	T1S	R3E	S 1/2	Electric - Overhead Transmission Line 10' Easement	1-8	Yes		Yes
310	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	PNM (12-15-1989) & APS (11-28-1989) Agreements	33	T1S	R3E	S 1/2	Electric-Service Line Agreement / Easement	1-8	Yes	Verbal Agreement - No Description - Same area as DKT 12960 PG 626	Yes
311	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	1989-598239	33	T1S	R3E	SW	Electric - PUE	27 - Foothills Joint Venture	Yes		Yes
312	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	1993-0248424	33	T1S	R3E	SW	Electric-Underground Power Easement	27	Yes		Yes
313	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	BK 321 PG 45	33	T1S	R3E	SW	Electric - PUE	27	Yes		Yes
314	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	BK 321 PG 45	32	T1S	R3E	SE	Electric - PUE	27	Yes		Yes
315	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	BK 374 PG 49	33	T1S	R3E	SW	Electric - PUE	27	Yes		Yes
316	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	BK 374 PG 49	32	T1S	R3E	SE	Electric - PUE	27	Yes		Yes
317	SRPP Dist.	South Mtn Frwy East 10 of 22.pdf	DKT 12960 PG 626	32	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement	1-8	Yes		Yes
318	SRPP Dist.	South Mtn Frwy East 10 of 22.pdf	1989-598240	32	T1S	R3E	S 1/2	Electric - Overhead Transmission Line 10' Easement	1-8	Yes		Yes
319	SRPP Dist.	South Mtn Frwy East 11 of 22.pdf	DKT 12960 PG 626	31-32	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement	1-9	Yes		Yes
320	SRPP Dist.	South Mtn Frwy East 11 of 22.pdf	1989-598240	31-32	T1S	R3E	S 1/2	Electric - Overhead Transmission Line 10' Easement	1-9	Yes		Yes
321	SRPP Dist.	South Mtn Frwy East 11 of 22.pdf	BK 363 PG 31	32	T1S	R3E	SW	Electric - 7' Easement	18 - SRP facilities installed on COP owned property.	Yes		Yes
322	SRPP Dist.	South Mtn Frwy East 11 of 22.pdf	BK 392 PG 13	31-32	T1S	R3E	S 1/2	Electric - PUE	19 - Foothills Club West	Yes		Yes
323	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	DKT 12960 PG 626	31	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement	1-9	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
324	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	1989-598240	31	T1S	R3E	S 1/2	Electric - Overhead Transmission Line 10' Easement	1-9	Yes		Yes
325	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	BK 432 PG 28	31	T1S	R3E	SW	Electric - PUE	10-17	Yes		Yes
326	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	2014-0504599	31	T1S	R3E	SW	Electric-Underground Power Easement	11-13 - Foothills Club West	Yes		Yes
327	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	2014-0504600	31	T1S	R3E	SW	Electric-Underground Power Easement	11-13 - Foothills Club West	Yes		Yes
328	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	BK 1188 PG 14	31	T1S	R3E	SW	Electric-Underground Power Easement	11-13 - Foothills Club West Parcel 24	Yes		Yes
329	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	2005-0558929	31	T1S	R3E	SW	Electric-Power Distribution Easement	14-16 - Foothills Club West Parcel 20 & 25	Yes		Yes
330	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	2005-0588931	31	T1S	R3E	SW	Electric-Public Utilities Power Easement	14-16 - Foothills Club West Parcel 20 & 25	Yes		Yes
331	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	2005-0558934	31	T1S	R3E	SW	Electric-Public Utilities Power Easement	14-16 - Foothills Club West Parcel 20 & 25	Yes		Yes
332	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	2006-0029856	31	T1S	R3E	SW	Electric - PUE	14-16 - Foothills Club West Parcel 20 & 25	Yes		Yes
333	SRPP Dist.	South Mtn Frwy East 12 of 22.pdf	BK 727 PG 11	31	T1S	R3E	SW	Electric-Power Distribution Easement	15-16 - Foothills Club West Parcel 20 & 25	Yes		Yes
334	SRPP Dist.	South Mtn Frwy East 13 of 22.pdf	AZ State Land Lease #14-70582 (9-20-79)	35	T1S	R2E	SW	Electric - State Land Lease	1-3 - State Plat No. 30 SM 620	Yes		Yes
335	SRPP Dist.	South Mtn Frwy East 14 of 22.pdf	AZ State Land Lease #14-70582 (9-20-79)	36	T1S	R2E	S 1/2	Electric - State Land Lease	1	Yes		Yes
336	SRPP Dist.	South Mtn Frwy East 14 of 22.pdf	DKT 14947 PG 387	35	T1S	R2E	SE	Electric - 500 kV 100' Easement	2-4 - Pecos Rd (D45)	Yes		Yes
337	SRPP Dist.	South Mtn Frwy East 14 of 22.pdf	2001-1156859	35	T1S	R2E	SE	Electric-Overhead and Underground Power Easement	2-4 - Portola Development	Yes		Yes
338	SRPP Dist.	South Mtn Frwy East 14 of 22.pdf	2000-0295194A	35	T1S	R2E	SE	Electric- State Land ROW	AZ State Land ROW to COP #16-103778 (9-20-79)	Yes		Yes
339	SRPP Dist.	South Mtn Frwy East 14 of 22.pdf	2000-0295194A	36	T1S	R2E	SW	Electric- State Land ROW	AZ State Land ROW to COP #16-103778 (9-20-79)	Yes		Yes
340	SRPP Dist.	South Mtn Frwy East 14 of 22.pdf	2001-1037817	35	T1S	R2E	SE	Electric-Public Utilities Power Easement	6 - Pecos Rd / Foothills Reserve	Yes		Yes
341	SRPP Dist.	South Mtn Frwy East 14 of 22.pdf	2002-0225553	35	T1S	R2E	SE	Electric-Public Utilities Power Easement	6 - Pecos Rd / Foothills Reserve Parcel D	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
342	SRPP Dist.	South Mtn Frwy East 14 of 22.pdf	BK 569 PG 39	35	T1S	R2E	SE	Electric - PUE	6 - Pecos Rd / Foothills Reserve Parcel D	Yes		Yes
343	SRPP Dist.	South Mtn Frwy East 14 of 22.pdf	BK 552 PG 38	35	T1S	R2E	SE	Electric - PUE	6 - Pecos Rd / Foothills Reserve	Yes	PUE shown in BK 569 PG 39	Yes
344	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	DKT 14947 PG 387	35	T1S	R2E	SW	Electric - 500 kV 100' Easement	1 - Pecos Rd (D45)	Yes		Yes
345	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	2001-1156859	35	T1S	R2E	SW	Electric-Overhead and Underground Power Easement	1 - Portola Development	Yes		Yes
346	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	1986-210649	35	T1S	R2E	SW	Electric - 500 kV 100' Easement	2-4 - Pecos Rd (D44)	Yes		Yes
347	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	GRIC Svc Line Agreement (7-14-09)	2	T2S	R2E	NW	Electric-Service Line Agreement / Easement	5 - Pecos Rd	Yes		Yes
348	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	2002-0516270	35	T1S	R2E	SW	Electric-Underground Power Easement	6 - COP	Yes		Yes
349	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	DKT 14285 PG 972	35	T1S	R2E	SW	Electric - 500 kV Easement	7-8 - Pecos Rd (D43)	Yes		Yes
350	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	2004-0669320	35	T1S	R2E	SW	Electric-Underground Power Easement	9-19 - Foothills 80	Yes		Yes
351	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	2004-0669323	35	T1S	R2E	SW	Electric-Public Utilities Power Easement	9-19 - Foothills 80	Yes		Yes
352	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	BK 662 PG 43	35	T1S	R2E	SW	Electric - PUE	9-19 - Foothills 80	Yes		Yes
353	SRPP Dist.	South Mtn Frwy East 17 of 22.pdf	BIA #B-675-406	34	T1S	R2E	W 1/2	Electric-Esmt BIA (GRIC) Grant of Easement	1-3 - GRIC Boundary	Yes		Yes
354	SRPP Dist.	South Mtn Frwy East 17 of 22.pdf	DKT 10219 PG 780	34	T1S	R2E	W 1/2	Electric-7' Overhead and Underground Power Easement	4-5	Yes		Yes
355	SRPP Dist.	South Mtn Frwy East 17 of 22.pdf	DKT 10787 PG 57	34	T1S	R2E	W 1/2	Electric-7' Overhead and Underground Power Easement	6-8	Yes		Yes
356	SRPP Dist.	South Mtn Frwy East 17 of 22.pdf	DKT 7580 PG 913	34	T1S	R2E		Electric-7' Underground Power Easement	9	Yes		Yes
357	SRPP Dist.	South Mtn Frwy East 17 of 22.pdf	DKT 7580 PG 912	34	T1S	R2E		Electric-7' Overhead and Underground Power Easement	10-11	Yes		Yes
358	SRPP Dist.	South Mtn Frwy East 17 of 22.pdf	DKT 10767 PG 630	34	T1S	R2E	NE	Electric-7' Overhead and Underground Power Easement	12-15	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
359	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	DKT 9026 PG 415	28	T1S	R2E	SE	Electric-Overhead and Underground Power Easement	1-11	Yes		Yes
360	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	2001-1181542	28	T1S	R2E	SE	Electric-Overhead and Underground Power Easement	16-17	Yes		Yes
361	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	DKT 10251 PG 1169	28	T1S	R2E	SE	Electric-Overhead and Underground Power Easement	18-20	Yes		Yes
362	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	DKT 10808 PG 880	28	T1S	R2E	SE	Electric-Overhead and Underground Power Easement	21	Yes		Yes
363	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	DKT 10808 PG 881	28	T1S	R2E	SE	Electric-Overhead and Underground Power Easement	22	Yes		Yes
364	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	DKT 10808 PG 879	28	T1S	R2E	SE	Electric-Overhead and Underground Power Easement	23	Yes		Yes
365	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	1991-355696	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	24-25	Yes		Yes
366	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	2003-0448523	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	26	Yes		Yes
367	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	2003-0448587	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	27-28	Yes		Yes
368	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	DKT 10042 PG 295	28	T1S	R2E	NE	Electric - PUE	29	Yes		Yes
369	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	2003-1208660	28	T1S	R2E	NW	Electric-Overhead and Underground Power Easement	30	Yes		Yes
370	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	DKT 10042 PG 295	28	T1S	R2E	NE	Electric - PUE	31-32	Yes		Yes
371	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	DKT 9026 PG 415	28	T1S	R2E	NW	Electric-Overhead and Underground Power Easement	33-35	Yes		Yes
372	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	DKT 10042 PG 295	28	T1S	R2E	NE	Electric - PUE	33-35	Yes		Yes
373	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	2014-055209	28	T1S	R2E	NW	Electric-Overhead and Underground Power Easement	33-35	Yes		Yes
374	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 9026 PG 415	28	T1S	R2E	NW	Electric-Overhead and Underground Power Easement	1-7	Yes		Yes
375	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 13382 PG 78	21	T1S	R2E	SW	Electric - 500 kV Easement	8-9 (D-27)	Yes		Yes
376	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 15057 PG 877	21	T1S	R2E	SW	Electric - 500 kV Easement	10-11 (D-26)	Yes		Yes



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No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
377	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 9026 PG 415	28	T1S	R2E	NW	Electric-Overhead and Underground Power Easement	12-14	Yes		Yes
378	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	2014-0055209	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	12-14	Yes		Yes
379	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	2007-0790935	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	16	Yes		Yes
380	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 10042 PG 295	28	T1S	R2E	NE	Electric - PUE	17-20	Yes		Yes
381	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 9277 PG 224	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	29-31	Yes		Yes
382	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	2014-0055209	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	29-31	Yes		Yes
383	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 15840 PG 355	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	36-37	Yes		Yes
384	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 15840 PG 354	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	36-37	Yes		Yes
385	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	2000-0718730	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	38-39	Yes		Yes
386	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 15840 PG 354	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	40-41	Yes		Yes
387	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	056-079 MISC	28	T1S	R2E	NE	Electric-Esmt (USA Esmt)	47-48	Yes		Yes
388	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 9026 PG 414	28	T1S	R2E	NW	Electric-Overhead and Underground Power Easement	53	Yes		Yes
389	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 9026 PG 414	28	T1S	R2E	NW	Electric-Overhead and Underground Power Easement	55-56	Yes		Yes
390	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 9026 PG 415	28	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	61	Yes		Yes
391	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	DKT 13811 PG 1195	28	T1S	R2E	NE	Electric - 500 kV Easement	61 (D-30)	Yes		Yes
392	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	DKT 10617 PG 69	21	T1S	R2E	SW	Electric-Overhead and Underground Power Easement	1	Yes		Yes
393	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	DKT 10617 PG 71	21	T1S	R2E	SW	Electric-Overhead and Underground Power Easement	2-4	Yes		Yes
394	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	DKT 15057 PG 877	21	T1S	R2E	SW	Electric - 500 kV Easement	5 (D-26)	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
395	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	DKT 13371 PG 1257	21	T1S	R2E	SW	Electric - 500 kV Easement	6-7 (D-25)	Yes		Yes
396	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	DKT 15067 PG 530	21	T1S	R2E	SW	Electric - 500 kV Easement	10-13 (D-24)	Yes		Yes
397	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	GRIC SLA #B-675-429.487	21	T1S	R2E	SW	Electric-GRIC Svc Line Agreement	14	Yes		Yes
398	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	GRIC SLA #B-675-429.486	21	T1S	R2E	SW	Electric-GRIC Svc Line Agreement	15	Yes		Yes
399	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	GRIC SLA #B-675-429.489	21	T1S	R2E	SW	Electric-GRIC Svc Line Agreement	15-16	Yes		Yes
400	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	Bill of Sale to SRP 2001-5 (1957)	20	T1S	R2E	NE	Electric-Fee Owned Property	17-20	Yes		Yes
401	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	GRIC SLA #B-675-429.483	20	T1S	R2E	NE	Electric-GRIC Svc Line Agreement	22	Yes		Yes
402	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	DKT 12493 PG 11	20	T1S	R2E	SE	Electric-Fee Owned Property	23 (D-23)	Yes		Yes
403	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	1997-0037852	20	T1S	R2E	NE	Electric-Overhead and Underground Power Easement	9	Yes		Yes
404	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	DKT 12052 PG 985	16	T1S	R2E	SW	Electric-Overhead and Underground Power Easement	22	Yes		Yes
405	SRPP Dist.	South Mtn Frwy East 21 of 22.pdf	BIA #A-46-26	20	T1S	R2E	NE	Electric-BIA Grant of Easement	1-3	Yes		Yes
406	SRPP Dist.	South Mtn Frwy East 21 of 22.pdf	GRIC SLA #B-675-429.484	20	T1S	R2E	N 1/2	Electric-GRIC Svc Line Agreement	4	Yes		Yes
407	SRPP Dist.	South Mtn Frwy East 21 of 22.pdf	1983-002908	20	T1S	R2E	NE	Electric - 500 kV Easement	5	Yes		Yes
408	SRPP Dist.	South Mtn Frwy East 22 of 22.pdf	DKT 258 PG 529	17	T1S	R2E	NW	Electric - Transmission Line Easement	1-4	Yes		Yes
409	SRPP Dist.	South Mtn Frwy East 22 of 22.pdf	DKT 13650 PG 1430	18	T1S	R2E	NE	Electric - 500 kV Easement	6	Yes		Yes
410	SRPP Dist.	South Mtn Frwy East 22 of 22.pdf	DKT 13650 PG 1434	18	T1S	R2E	NE	Electric - 500 kV Easement	6	Yes		Yes
411	SRPP Trans.	202 477 USA fee i10 LRD0000183782.pdf	BK 202 PG 477	4	T1N	R1E	NW	Electric - (Quit Claim Deed for USA Property)		Yes		Yes
412	SRPP Trans.	97 0282017 i10 LRD0000024286.pdf	BK 397 PG 36 1997-0282017	4	T1N	R1E	NW	Electric-Communications Easement	Papago West - Roosevelt St	Yes		Yes
413	SRPP Trans.	3568 849 i10 LRD0000005738.pdf	DKT 3568 PG 349	1	T1N	R1E	NW	Electric - Easement		Yes		Yes
414	SRPP Trans.	Crossings 2 at Lower Buckeye Rd, Section 19...	DKT 3635 PG 170	19	T1N	R2E	NE	Electric - Easement	Orme-Evans 69 kV Orme-Sergeant 69 Kv	Yes		Yes
415	SRPP Trans.	Crossings 2 at Lower Buckeye Rd, Section 19...	DKT 10567 PG 691	19	T1N	R2E	NE	Electric - Easement	Orme-Evans 69 kV Orme-Sergeant 69 Kv	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
416	SRPP Trans.	Crossings 2 at Lower Buckeye Rd, Section 19...	DKT 10567 PG 693	19	T1N	R2E	NE	Electric - Easement	Crossings at Lower Buckeye Rd - Orme-Evans 69 kV Orme-Seargeant 69 Kv	Yes		Yes
417	SRPP Trans.	Crossings 2 at Lower Buckeye Rd, Section 19...	DKT 10593 PG 1055	19	T1N	R2E	NE	Electric - Easement	Orme-Evans 69 kV Orme-Seargeant 69 Kv	Yes		Yes
418	SRPP Trans.	Crossings at Brdwy and Southern, Section 30...	BK 70 MISC PG 436	19	T1N	R2E	NE	Electric Transmission - Easement		Yes		Yes
419	SRPP Trans.	Crossings at Brdwy and Southern, Section 30...	BK 70 MISC PG 436	20	T1N	R2E	NW	Electric Transmission - Easement		Yes		Yes
420	SRPP Trans.	Crossings at Brdwy and Southern, Section 30...	DKT 3585 PG 403	30	T1N	R2E	S 1/2	Electric - Easement	Southern Ave Cheatham 69kV	Yes		Yes
421	SRPP Trans.	Crossings at Brdwy and Southern, Section 30...	DKT 9738 PG 111	19	T1N	R2E	SE	Electric - ROW Easement	Orme-Unified 69 kV Orme - Rudd 230 kV	Yes		Yes
422	SRPP Trans.	Section 20 1S 2E Western Section of South Mtn.pdf	B-675-425-093	20	T1S	R2E	SE	Electric - 500 kV Easement	GRIC Boundary	Yes		Yes
423	SRPP Trans.	Section 20 1S 2E On Diagonal.pdf	DKT 15067 PG 530-536	20	T1S	R2E	NE	Electric - 500 kV 100' Easement	GRIC Boundary (D22)	Yes		Yes
424	SRPP Trans.	Section 20 1S 2E On Diagonal.pdf	1983-002908	20	T1S	R2E	NE	Electric - 500 kV Esmt	GRIC Boundary	Yes		Yes
425	SRPP Trans.	Section 20 1S 2E On Diagonal.pdf	B-675-425-093	20	T1S	R2E	NE	Electric - 500 kV Easement	GRIC Boundary	Yes		Yes
426	SRPP Trans.	Section 27, 1S, 2E On Diagonal.pdf	DKT 12375 PG 1128	27	T1S	R2E	SW	Electric - 500 kV 200' Easement	GRIC Boundary/43rd Ave (D37)	Yes		Yes
427	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	1986-128778	28	T1S	R2E		Electric - 500 kV Easement	GRIC Boundary (D32, D36)	Yes		Yes
428	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	DKT 15079 PG 481-485	28	T1S	R2E		Electric - 500 kV Easement	GRIC Boundary (D35)	Yes		Yes
429	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	DKT 13514 PG 1149	28	T1S	R2E		Electric - 500 kV Easement	GRIC Boundary	Yes		Yes
430	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	DKT 9026 PG 414-415	28	T1S	R2E		Electric - 500 kV Easement	GRIC Boundary	Yes		Yes
431	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	DKT 13823 PG 443-444	28	T1S	R2E		Electric - 500 kV 75' Easement	GRIC Boundary	Yes		Yes
432	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	DKT 13750 PG 299	28	T1S	R2E		Electric - 500 kV 75' Easement	GRIC Boundary	Yes		Yes
433	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	DKT 13811 PG 1195	28	T1S	R2E		Electric - 500 kV 75' Easement	GRIC Boundary	Yes		Yes
434	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	DKT 14999 PG 455	28	T1S	R2E		Electric - 500 kV 75' Easement	GRIC Boundary (D31)	Yes		Yes
435	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	DKT 13083 PG 1448	28	T1S	R2E		Electric - 500 kV 100' Easement	GRIC Boundary	Yes		Yes
436	SRPP Trans.	Section 28, 1S, 2E On Diagonal.pdf	DKT 10042 PG 295	28	T1S	R2E		Electric - Easement	GRIC Boundary	Yes		Yes
437	SRPP Trans.	Section 31, 1S, 4E 1of 2	1986-128769	31	T1S	R4E	SW	Electric - 500 kV 100' Easement	E8 - Pecos - Sta 2055 to 48th st	Yes		Yes

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438	SRPP Trans.	Section 31, 1S, 4E 1of2	1986-128770	31	T1S	R4E	SW	Electric - 500 kV 100' Easement	E7-40th /Pecos to Sta 2055	Yes		Yes
439	SRPP Trans.	Section 31, 1S, 4E 1of2	1991-524449	31	T1S	R4E	SW	Electric - 69 kV/12 kV, 10' Easement		Yes		Yes
440	SRPP Trans.	Section 31, 1S, 4E 1of2	DKT 16524 PG 1344- 1348	31	T1S	R4E	SE	Electric - 500 kV 100' Easement		Yes		Yes
441	SRPP Trans.	Section 31, 1S, 4E 2of2	1999-0986441	31	T1S	R4E	SW	Electric - Easement	Pecos Rd - 40th St 69kV	Yes		Yes
442	SRPP Trans.	Section 31, 1S, 4E 2of2	1990-336102	31	T1S	R4E	NW	Electric - 69 kV 120' Easement	Pecos Rd 19th Ave to 16th St - 40th St 69kV	Yes		Yes
443	SRPP Trans.	Section 31,32,33,34, 1S, 3E Prior Rights Docs.pdf	DKT 12960 PG 626- 630	31	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement	17th Ave Marley Tap 69kV	Yes		Yes
444	SRPP Trans.	Section 31,32,33,34, 1S, 3E Prior Rights Docs.pdf	DKT 12960 PG 626- 630	32	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement	17th Ave Marley Tap 69kV	Yes		Yes
445	SRPP Trans.	Section 31,32,33,34, 1S, 3E Prior Rights Docs.pdf	DKT 12960 PG 626- 630	33	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement		Yes		Yes
446	SRPP Trans.	Section 31,32,33,34, 1S, 3E Prior Rights Docs.pdf	DKT 12960 PG 626- 630	34	T1S	R3E	S 1/2	Electric - 500 kV 75' Easement		Yes		Yes
447	SRPP Trans.	Section 31,32,33,34, 1S, 3E Prior Rights Docs.pdf	1990-285440	34	T1S	R3E	E 1/2	Electric - 10' Easement	Foothills Property (24th St) - Windsor Tap 69kV	Yes		Yes
448	SRPP Trans.	Section 34, 1S, 2E On Diagonal.pdf	DKT 13790 PG 491- 492	34	T1S	R2E		Electric - 500 kV 200' Easement	D38 - GRIC Boundary	Yes		Yes
449	SRPP Trans.	Section 35, 1S, 2E Prior Rights Docs.pdf	DKT 14947 PG 387- 389	35	T1S	R2E	E 1/2	Electric - 500 kV 100' Easement		Yes		Yes
450	SRPP Trans.	Section 35, 1S, 2E Prior Rights Docs.pdf	DKT 14285 PG 972- 975	35	T1S	R2E		Electric - 100' Easement	D43 - GRIC Boundary	Yes		Yes
451	SRPP Trans.	Section 35, 1S, 2E Prior Rights Docs.pdf	1986-210649	35	T1S	R2E	SE	Electric - 100' Easement	D44 - GRIC Boundary	Yes		Yes
452	SRPP Trans.	Section 35, 1S, 2E Prior Rights Docs.pdf	1989-457460	35	T1S	R2E		Electric - Easement	GRIC Boundary	Yes		Yes
453	SRPP Trans.	Section 35, 1S, 2E Prior Rights Docs.pdf	2001-1156859	35	T1S	R2E	SE	Electric - 10' Easement		Yes		Yes
454	SRPP Trans.	Section 36, 1S, 2E Prior Rights Docs.pdf	14-52814 (State Land) 1994-0686465	36	T1S	R2E		Electric - 69 kV - 50 Yr ROW Easement		Yes		Yes
455	SRPP Trans.	Section 36, 1S, 2E Prior Rights Docs.pdf	14-70582 (State Land)	36	T1S	R2E		Electric - 500 kV - 50 Yr ROW Easement	100 ft on Pecos Rd	Yes		Yes
456	SRPP Trans.	SRP_Fee_Owned_Parcel s.pdf	1989-457447	34	T1S	R2E	SE	Electric - Fee Owned Parcel	300-04-014-A (D42)	Yes		Yes
457	SRPP Trans.	SRP_Fee_Owned_Parcel s.pdf	1989-457448	34	T1S	R2E	SE	Electric - Fee Owned Parcel	300-04-013-D (D41)	Yes		Yes
458	SRPP Trans.	SRP_Fee_Owned_Parcel s.pdf	1989-457449	34	T1S	R2E	SE	Electric - Fee Owned Parcel	300-04-013-F (D40)	Yes		Yes
459	SRPP Trans.	SRP_Fee_Owned_Parcel s.pdf	1989-457450	34	T1S	R2E	SE	Electric - Fee Owned Parcel	300-04-011-C (D39)	Yes		Yes
460	SRPP Trans.	SRP_Fee_Owned_Parcel s.pdf	DKT 12493 PG 611- 612 (1989-457451)	20	T1S	R2E	SE	Electric - Fee Owned Parcel	300-03-023-A	Yes		Yes
461	SRPP Trans.	SRP_Fee_Owned_Parcel s.pdf	DKT 3700 PG 262-263	20	T1S	R2E	SE	Electric - USA Land	300-03-023-E (51st Ave / GRIC Boundary)	Yes		Yes

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462	SRPP Trans.	SRP_Fee_Owned_Parcel s.pdf	1989-457448	19	T1N	R2E	NE	Electric - Fee Owned Parcel	300-04-013-D (D41)	Yes		Yes
463	SRPP Trans.	SRP_Fee_Owned_Parcel s.pdf	DKT 8036 PG 541	19	T1N	R2E	NE	Electric - Fee Owned Parcel	104-47-002-E (59th Ave/Lower Buckeye) - Orme-Evans 69 kVOrme-Sergeant 69 Kv	Yes		Yes
464	SRPP Trans.	Section 35, 1S, 3E Prior Rights Docs.pdf	1991-0524450	35	T1S	R3E	SW	Electric - 69 kV/12 kV, 10' Easement		Yes		Yes
465	SRPP Trans.	Section 35, 1S, 3E Prior Rights Docs.pdf	1992-017354	35	T1S	R3E	SE	Electric - 69 kV/12 kV, 10' Easement	E5 - GRIC Boundary	Yes		Yes
466	SRPP Trans.	Section 35, 1S, 3E Prior Rights Docs.pdf	1986-144551	35	T1S	R3E	SW	Electric - 500 kV 75' Easement	E4 - GRIC Boundary	Yes		Yes
467	SRPP Trans.	Section 35, 1S, 3E Prior Rights Docs.pdf	DKT 14142 PG 772-773	35	T1S	R3E	SW	Electric - 75' Easement		Yes		Yes
468	SRPP Trans.	Section 35, 1S, 3E Prior Rights Docs.pdf	DKT 14160 PG 631-633	35	T1S	R3E	SE	Electric - 500 kV 75' Easement	E5 - GRIC Boundary	Yes		Yes
469	SRPP Trans.	Section 36, 1S, 3E Prior Rights Docs.pdf	DKT 14160 PG 631-633	36	T1S	R3E	SW	Electric - 500 kV 75' Easement	E5 - GRIC Boundary	Yes		Yes
470	SRPP Trans.	Section 36, 1S, 3E Prior Rights Docs.pdf	DKT 14160 PG 774	36	T1S	R3E	SW	Electric - 500 kV 75' Easement	E6 - GRIC Boundary	Yes		Yes
471	SRPP Trans.	Section 36, 1S, 3E Prior Rights Docs.pdf	DKT 12960 PG 626-630	36	T1S	R3E		Electric - 500 kV 75' Easement		Yes		Yes
472	SRPP Trans.	Section 36, 1S, 3E Prior Rights Docs.pdf	1997-0510734	36	T1S	R3E		Wastewater/Sewer Consent to Use of Easement - City of Phoenix		Yes		Yes
473	SRPP Trans.	Section 4 1N 2E near 51st Ave and I10.pdf	1984-105511	4	T1N	R2E	NW	Electric - 10' Easement	51st Ave / I-10	Yes		Yes
474	SRPP Trans.	Section 6 1N 2E along 59th Ave.pdf	DKT 10439 PG 854	6	T1N	R2E	SE	Electric - 7' Easement	59th Ave (Van Buren to Fillmore) - Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
475	SRPP Trans.	Section 6 1N 2E along 59th Ave.pdf	BK 38 PG 364-365	6	T1N	R2E	NW	Electric - Easement	I-10 7274+54 to 7283+38, 7294+43 to 7301+05	Yes		Yes
476	SRPP Trans.	Section 6 1N 2E along 59th Ave.pdf	DKT 15816 PG 238	6	T1N	R2E	NW	Electric - 10' Easement	I-10 at 59TH	Yes		Yes
477	SRPP Trans.	Section 6 1N 2E along 59th Ave.pdf	DKT 10439 PG 869	6	T1N	R2E	NE	Electric - 7' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
478	SRPP Trans.	Section 6 1N 2E along 59th Ave.pdf	BK 38 PG 258	6	T1N	R2E	N 1/2	Electric - Easement		Yes		Yes
479	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10480 PG 541	7	T1N	R2E	SE	Electric - 7' Easement	59th Ave (Washington to 330' north) - Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
480	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10439 PG 856	7	T1N	R2E	SE	Electric - 3.5' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
481	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10439 PG 857	7	T1N	R2E	SE	Electric - 10' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
482	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10439 PG 878	7	T1N	R2E	NE	Electric - 4.5' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes

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483	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10458 PG 571	7	T1N	R2E	SE	Electric - 7' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
484	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10458 PG 578	7	T1N	R2E	NE	Electric - Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
485	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10480 PG 540	1	T1N	R1E	NW	Electric - 7' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
486	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10480 PG 542	7	T1N	R2E	NE	Electric - 3.5' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
487	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10495 PG 503	7	T1N	R2E	NE	Electric - 3.5' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
488	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10495 PG 522	7	T1N	R2E	SE	Electric - 7.5' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
489	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10495 PG 524	7	T1N	R2E	NE	Electric - 3.5' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
490	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10538 PG 1139	7	T1N	R2E	SE	Electric - 7.5' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
491	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10684 PG 1196	7	T1N	R2E	SE	Electric - 7' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
492	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10684 PG 1197	7	T1N	R2E	SE	Electric - 7' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
493	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 10711 PG 1121	7	T1N	R2E	SE	Electric - 7.5' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
494	SRPP Trans.	Section 7 1N 2E along 59th Ave.pdf	DKT 13142 PG 173	7	T1N	R2E	NE	Electric - 8' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
495	SRPP Trans.	Section 7 1N 2E RR xing 69kV and 12kV.pdf	174219 (UPRR XING)	7	T1N	R2E	NE	Electric - UPRR Lease Agrmt 69kV / 12 kV	Crossing UPRR at 59th Ave	Yes		Yes
496	SRPP Trans.	Section 7 1N 2E RR xing 69kV and 12kV.pdf	174219 (UPRR XING)	7	T1N	R2E	SE	Electric - UPRR Lease Agrmt 69kV / 12 kV	Crossing UPRR at 59th Ave	Yes		Yes
497	SRPP Trans.	Sections 17 and 18, 1N, 2E along 59th Ave	DKT 10480 PG 526	18	T1N	R2E	NE	Electric - 7' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
498	SRPP Trans.	Sections 17 and 18, 1N, 2E along 59th Ave	DKT 10512 PG 749-750	18	T1N	R2E	SE	Electric - 7' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
499	SRPP Trans.	Sections 17 and 18, 1N, 2E along 59th Ave	DKT 10512 PG 751-752	18	T1N	R2E	SE	Electric - 7' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
500	SRPP Trans.	Sections 17 and 18, 1N, 2E along 59th Ave	DKT 10512 PG 753	18	T1N	R2E	SE	Electric - Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
501	SRPP Trans.	Sections 17 and 18, 1N, 2E along 59th Ave	DKT 10512 PG 755-756	18	T1N	R2E	SE	Electric - 7' Easement	Orme-Evans 69 kV Orme-Sergeant 69 kV	Yes		Yes
502	SRPP Trans.	Sections 17 and 18, 1N, 2E along 59th Ave	DKT 10512 PG 757-758	18	T1N	R2E	NE	Electric - 7' Easement	Christy-Orme 69kV from Lower Buckeye to I-10	Yes		Yes
503	SRPP Trans.	Sections 17 and 18, 1N, 2E along 59th Ave	DKT 4846 PG 181	17	T1N	R2E	SW	Electric - 35.5' Easement	Cartwright - Shaw from Lower Buckeye to Rail Road	Yes		Yes
504	SRPP Trans.	Sections 17 and 18, 1N, 2E along 59th Ave	DKT 4860 PG 155	17	T1N	R2E	NW	Electric - 35.5' Easement	Cartwright - Shaw from Lower Buckeye to Rail Road	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
505	SRPP Trans.	Sections 17 and 18, 1N, 2E along 59th Ave	DKT 4900 PG 515	17	T1N	R2E	NW	Electric - Easement	Cartwright - Shaw from Lower Buckeye to Rail Road	Yes		Yes
506	SRPP Trans.	Section 17, 1S, 2E On Diagonal.pdf	1989-002908	17	T1S	R2E	NW	Electric - 500 kV 100' Easement	D19 - Gric Boundary	Yes		Yes
507	SRPP Trans.	Section 17, 1S, 2E On Diagonal.pdf	1986-142409	17	T1S	R2E	NW	Electric - 500 kV 75' Easement	D18 - Gric Boundary	Yes		Yes
508	SRPP Trans.	Section 18, 1S, 2E On Diagonal.pdf	DKT 13650 PG 1430-1431	18	T1S	R2E	NE	Electric - 500 kV 75' Easement	D17 - Gric Boundary	Yes		Yes
509	SRPP Trans.	Section 18, 1S, 2E On Diagonal.pdf	DKT 13650 PG 1434-1436	18	T1S	R2E	NE	Electric - 500 kV 75' Easement	D17 - Gric Boundary	Yes		Yes
510	SRPP Trans.	Section 18, 1S, 2E On Diagonal.pdf	BK 3072 PG 585-586	18	T1S	R2E		Electric - Easement	GRIC Boundary	Yes		Yes
511	SW Gas	Dk 1694 P 23.pdf	DKT 1694 PG 23	7	T1N	R2E	NE	Gas - Fee Owned Property	N Side of Buckeye Rd crossing 59th Ave	Yes		Yes
512	SW Gas	Dk 5291 P 231.pdf	DKT 5291 PG 231	7	T1N	R2E	SE	Gas Main Easement	59th Ave (APN 104-18-004V&Q)	Yes		Yes
513	SW Gas	Dk 5291 P 233.pdf	DKT 5291 PG 233	7	T1N	R2E	SE	Gas Main Easement	59th Ave (Buckeye Rd to APN 104-18-004V)	Yes		Yes
514	SW Gas	Dk 5363 P 334.pdf	DKT 5363 PG 334	7	T1N	R2E	SE	Gas Main Easement	59th Ave (APN 104-18-004B)	Yes		Yes
515	SW Gas	Dk 6964 P267.pdf	DKT 6964 PG 267	7	T1N	R2E	NE	Esmt for Gas Lines and facilities	Monroe St/59th Ave (South of Dobbins)	Yes		Yes
516	WAPA	DE-ME65-85WP39625.pdf	1985-410305	19	T1N	R2E	SE	Electric - Easement	Elwood Street crossing 59th Ave	Yes		Yes
517	WAPA	DE-ME65-85WP39638.pdf	1985-517539 (TRACT 164 ET)	21	T1S	R2E	SW	Electric - Easement	East of 51st Ave	Yes		Yes
518	WAPA	DE-ME65-85WP39640.pdf	1985-518999 (TRACT 161 ET)	21	T1S	R2E	SW	Electric - Easement	East of 51st Ave	Yes		Yes
519	WAPA	DE-ME65-85WP39652.pdf	1986-071402 (TRACT 163 ET)	21	T1S	R2E	SW	Electric - Easement	East of 51st Ave	Yes		Yes
520	WAPA	I61R-617	I61r-617	19	T1N	R2E	NE	Electric - Easement	Elwood Street crossing 59th Ave	Yes		Yes
521	WAPA	I61r-699.pdf	1947-0117 MISC 81-48-3	21	T1S	R2E	SW	Electric - Easement	East of 51st Ave	Yes		Yes
522	WAPA	I61R-719.pdf	I61r-719	21	T1S	R2E	NW	Electric - Easement	East of 51st Ave	Yes		Yes
523	WAPA	I61R-719.pdf	I61r-719	21	T1S	R2E	SW	Electric - Easement	East of 51st Ave	Yes		Yes
524	CenturyLink	2000-0915620.pdf	2000-0915620	19	T1S	R2E	SE	Communications - Easement	3257+00 - Parallel (Remote Terminal, Cool Cell)	Yes		Yes
525	CenturyLink	South Mtn Frwy East 6 of 22.pdf	BK 395 PG 29	35	T1S	R3E	SW	Communications - PUE	2161+00 to 2175+50 - Crossing (Goldman Ranch)	Yes		Yes
526	CenturyLink	South Mtn Frwy East 12 of 22.pdf	BK 1188 PG 14	31	T1S	R3E	SW	Communications - PUE	2386+49 - Crossing - 17th Avenue (Foothills Club West)	Yes		Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
527	CenturyLink	South Mtn Frwy East 14 of 22.pdf	BK 569 PG 39	35	T1S	R2E	SE	Communications - PUE	2448+10 to 2457+25 - Parallel (Foothills Reserve)	Yes		Yes
528	CenturyLink	South Mtn Frwy East 15 of 22.pdf	BK 662 PG 43	35	T1S	R2E	SW	Communications - PUE	2475+00 to 2486+00 - Parallel (Foothills 80)	Yes		Yes
529	CenturyLink	S Mnt Sheet 8 of 17 West.pdf, S. Mtn Frwy West 9 of 17.pdf	BK 587 PG 39	19	T1S	R2E	SE	Communications - PUE	3256+45 355' Rt, 3258+44, 316' Rt Parallel (Broadway Rd)	Yes		Yes
530	SRPP Trans.	SRP Transmission Land Right Memo ADOT 202.pdf	1990-061681	33	T1S	R3E	SW	Electric - 69 kV 10' Easement	Ruppers Tap 69 kV	Yes		Yes
531	SRPP Trans.	SRP Transmission Land Right Memo ADOT 202.pdf	1987-286301	19	T1N	R2E	SE	Electric - Easement and Prior Rights Agreement	Orme-Unified 69 kV Orme - Rudd 230 kV	Yes		Yes
532	SRPP Trans.	SRP Transmission Land Right Memo ADOT 202.pdf	2002-0096531	31	T1S	R3E	SW	Electric - Overhead Transmission Line 10' Easement	17th Ave Marley Tap 69kV	Yes		Yes
533	SRPP Trans.	SRP Transmission Land Right Memo ADOT 202.pdf	1989-598240	34	T1S	R3E	S 1/2	Electric - Overhead Transmission Line 10' Easement	17th Ave Marley Tap 69kV	Yes		Yes
534	SRPP Trans.	SRP Transmission Land Right Memo ADOT 202.pdf	2007-0369402	17	T1N	R2E	SW	Electric - Power Distribution Easement	Cartwright - Shaw from Lower Buckeye to Rail Road	Yes		Yes
535	SRPP Trans.	SRP Transmission Land Right Memo ADOT 202.pdf	BK 73 PG 35-48	7-8	T1N	R2E		Electric - Power Distribution Easement	Cartwright - Shaw from Lower Buckeye to Rail Road	Yes		Yes
536	Peninsula-Horowitz	Peninsula Maps.pdf, Peninsula_SRP Agreement_1930.pdf	SRP Agreement 4/8/1930	31	T1N	R2E	E 1/2	Irrigation - Water Rights Agreement		No		Yes
537	SRPP Dist.	S. Moutain West 2 of 17.pdf	SRP on Priv. Property (1965)	18	T1S	R2E	NE	Electric -Prescr. Right Claim	6 - 59th Ave / Elliot Rd		On Private Property	Yes
538	SRPP Dist.	S. Moutain West 2 of 17.pdf	SRP on Priv. Property (1960)	18	T1S	R2E	NE	Electric -Prescr. Right Claim	7 - Elliot R		On Private Property	Yes
539	SRPP Dist.	S. Moutain West 2 of 17.pdf	SRP on Priv. Property (1958)	18	T1S	R2E	NE	Electric -Prescr. Right Claim	8 - 59th Ave / Elliot Rd		Inside Elliot Rd R/W (88')	No
540	SRPP Dist.	S. Moutain West 2 of 17.pdf	SRP on Priv. Property (1947)	18	T1S	R2E	NE	Electric -Prescr. Right Claim	9-11 - Elliot Rd		Inside Elliot Rd R/W (88')	No
541	SRPP Dist.	S. Moutain West 2 of 17.pdf	SRP on Priv. Property (1955)	18	T1S	R2E	NE	Electric -Prescr. Right Claim	12-14 - 59th Ave		Inside 59th Ave R/W (66')	No
542	SRPP Dist.	S. Mtn Frwy West 4 of 17.pdf	SRP on County ROW	7	T1S	R2E	N 1/2	NONE	9-18 - W Dobbins Rd			No
543	SRPP Dist.	S. Mtn Frwy West 5 of 17.pdf	SRP on Priv. Property (1978)	31	T1N	R2E	SE	Electric -Prescr. Right Claim	7-15 - Baseline Rd		Inside Elliot Rd R/W (66')	No
544	SRPP Dist.	S. Mtn Frwy West 6 of 17.pdf	SRP on Priv. Property (1972)	31	T1N	R2E	SE	Electric -Prescr. Right Claim	6-7 (63rd Ave/W Vinyard Rd)		On Private Property	Yes
545	SRPP Dist.	S. Mtn Frwy West 6 of 17.pdf	SRP on Priv. Property (1944)	31	T1N	R2E	SE	Electric -Prescr. Right Claim	8 (63rd Ave/W Vinyard Rd)		On Private Property	Yes
546	SRPP Dist.	S. Mtn Frwy West 7 of 17.pdf	N/A	30	T1N	R2E	SE	N/A	14 - Facilities owned by Maricopa County			No



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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
547	SRPP Dist.	S Mnt Sheet 8 of 17 West.pdf	N/A	30	T1N	R2E	NE	N/A	14-23 - COP owned Street light poles - Broadway Rd			No
548	SRPP Dist.	S Mnt Sheet 8 of 17 West.pdf	SRP facility in ADOT ROW	30	T1N	R2E	NE	NONE	24 - SRP Facility installed in ROW - Broadway Rd			No
549	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	SRP on Priv. Property (1974)	18	T1N	R2E	SE	Electric -Prescr. Right Claim	4-6 - 59th Ave (R.I.D. Canal to Lower Buckeye)		Inside 59th Ave R/W (66')	No
550	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	SRP on Priv. Property (2003)	18	T1N	R2E	SE	Electric -Prescr. Right Claim	7 - 59th Ave (R.I.D. Canal to Lower Buckeye)		On Private Property	Yes
551	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	SRP on Priv. Property (1998)	18	T1N	R2E	SE	Electric -Prescr. Right Claim	11 - 59th Ave/Watkins		On Private Property	Yes
552	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	SRP on Priv. Property (1991)	18	T1N	R2E	SE	Electric -Prescr. Right Claim	12 - 59th Ave/Watkins		On Private Property	Yes
553	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	SRP on Priv. Property (1998)	18	T1N	R2E	SE	Electric -Prescr. Right Claim	13-16 - 59th Ave/Watkins		On Private Property	Yes
554	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	SRP on Priv. Property (2006)	17	T1N	R2E	SW	Electric -Prescr. Right Claim	74-75 - 59th Ave		Inside 59th Ave R/W	No
555	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	19150316_DEED_105_338_1	17	T1N	R2E	SW	Electric -Prescr. Right Claim	72-76 - 59th Ave (Maricopa Cty Owned Property)		Inside 59th Ave R/W	No
556	SRPP Dist.	S. Mtn Frwy West 10 of 17.pdf	SRP on Priv. Property (1975)	17	T1N	R2E	SW	Electric -Prescr. Right Claim	72-73 - 59th Ave / Watkins St		Inside 59th Ave R/W	No
557	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	ROW (DKT 8531 PG 133-134)	7	T1N	R2E	SE	NONE (Quit Claim to City of Phoenix)	1-2 59th Ave / Hadley			No
558	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	ROW (DKT 8531 PG 133-134)	7	T1N	R2E	SE	NONE (Quit Claim to City of Phoenix)	4 - 61st Ave / Sherman			No
559	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1973)	7	T1N	R2E	SE	Electric -Prescr. Right Claim	7 - 59th Ave / Sherman		On Private Property	Yes
560	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	ROW (DKT 8531 PG 133-134)	7	T1N	R2E	SE	NONE (Quit Claim to City of Phoenix)	8			No
561	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	ROW (DKT 8531 PG 133-134)	7	T1N	R2E	SE	NONE (Quit Claim to City of Phoenix)	10-13 - Sherman St (59th Ave to 60th Ave)			No
562	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1973)	7	T1N	R2E	SE	Electric -Prescr. Right Claim	18-19		On Private Property	Yes
563	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1973)	7	T1N	R2E	SE	Electric -Prescr. Right Claim	27-28		On Private Property	Yes
564	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (2004)	7	T1N	R2E	SE	Electric -Prescr. Right Claim	29 - 59th Ave (Sherman St to Buckeye Rd)		On Private Property	Yes
565	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 11830 PG 698	7	T1N	R2E	SE	Electric -Prescr. Right Claim	32		On Private Property	Yes
566	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (2004)	7	T1N	R2E	SE	Electric -Prescr. Right Claim	33		On Private Property	Yes
567	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1992)	7	T1N	R2E	SE	Electric -Prescr. Right Claim	35-38 (59th Ave / Buckeye Rd)		Inside Buckeye Rd R/W	No
568	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	ROW	18	T1N	R2E	NE	NONE (Quit Claim to ADOT)	39-40			No
569	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (2005)	17	T1N	R2E	NW	Electric -Prescr. Right Claim	54-60		On Private Property	Yes
570	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1990)	17	T1N	R2E	NW	Electric -Prescr. Right Claim	61		On Private Property	Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
571	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (2005)	17	T1N	R2E	NW	Electric -Prescr. Right Claim	81		On Private Property	Yes
572	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1985)	17	T1N	R2E	NW	Electric -Prescr. Right Claim	82-83		On Private Property	Yes
573	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (2005)	17	T1N	R2E	NW	Electric -Prescr. Right Claim	84		On Private Property	Yes
574	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1998)	17	T1N	R2E	NW	Electric -Prescr. Right Claim	85		On Private Property	Yes
575	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (2000)	17	T1N	R2E	NW	Electric -Prescr. Right Claim	86-89		On Private Property	Yes
576	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (2005)	17	T1N	R2E	NW	Electric -Prescr. Right Claim	90		On Private Property	Yes
577	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	ROW (DKT 6280 PG 360)	17	T1N	R2E	NW	NONE (Highway Easement)	94-95			No
578	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1975)	17	T1N	R2E	NW	Electric -Prescr. Right Claim	97		Inside 59th Ave R/W	No
579	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1992)	8	T1N	R2E	SW	Electric -Prescr. Right Claim	98-99		Inside 59th Ave R/W	No
580	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1981)	8	T1N	R2E	SW	Electric -Prescr. Right Claim	101-102		On Private Property	Yes
581	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	DKT 2638 PG 517 SRP on Private Property (1989)	8	T1N	R2E	SW	Electric -Prescr. Right Claim	103		Inside 59th Ave R/W	No
582	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	N/A	8	T1N	R2E	SW	N/A	104 - TELCO OWNED POLE			No
583	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1975)	8	T1N	R2E	SW	Electric -Prescr. Right Claim	110-111		Inside 59th Ave R/W	No
584	SRPP Dist.	South Mountain Freeway Sheet 11 of 17 west.pdf	SRP on Priv. Property (1980)	8	T1N	R2E	SW	Electric -Prescr. Right Claim	112		On Private Property	Yes
585	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1998)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	3 (59th Ave/Monroe)		On Private Property	Yes
586	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1973)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	4-6 (59th Ave/Monroe)		On Private Property	Yes
587	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	N/A	7	T1N	R2E	NE	NONE	10			No
588	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1973)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	17		On Private Property	Yes
589	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1992)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	23-24		On Private Property	Yes
590	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1974)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	25-26		Inside Washington St. R/W	No
591	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	N/A	7	T1N	R2E	NE	NONE	27-29			No
592	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1992)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	41		On Private Property	Yes
593	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1988)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	45		On Private Property	Yes
594	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1978)	7	T1N	R2E	SE	Electric -Prescr. Right Claim	58		On Private Property	Yes

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
595	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	N/A	7	T1N	R2E	SE	NONE	64			No
596	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1992)	7	T1N	R2E	SE	Electric -Prescr. Right Claim	70-72		On Private Property	Yes
597	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1984)	7	T1N	R2E	SE	Electric -Prescr. Right Claim	73-78		On Private Property	Yes
598	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1980)	8	T1N	R2E	SW	Electric -Prescr. Right Claim	79-84		On Private Property	Yes
599	SRPP Dist.	South Mountain Sheet 12 of 17 West.pdf	SRP on Priv. Property (1975)	8	T1N	R2E	SW	Electric -Prescr. Right Claim	89-90		On Private Property	Yes
600	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	COP Street Light	6	T1N	R2E	SE	N/A	20			No
601	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	Telco owned pole	6	T1N	R2E	SE	N/A	30			No
602	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	SRP on Priv. Property (1973)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	40		On Private Property	Yes
603	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	SRP on Priv. Property (1973)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	41		On Private Property	Yes
604	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	SRP on Priv. Property (1998)	7	T1N	R2E	NE	Electric -Prescr. Right Claim	42		On Private Property	Yes
605	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	SRP on Priv. Property (1986)	8	T1N	R2E	NW	Electric -Prescr. Right Claim	46		On Private Property	Yes
606	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	SRP on Priv. Property (1956)	5	T1N	R2E	SW	Electric -Prescr. Right Claim	63		On Private Property	Yes
607	SRPP Dist.	South Mtn Frwy West 13 of 17.pdf	COP	5	T1N	R2E	SW	N/A	68-69			No
608	SRPP Dist.	South Mtn Frwy West 14 of 17 (2).pdf	ADOT owned light poles	6	T1N	R2E	NW	N/A	13-24			No
609	SRPP Dist.	South Mtn Frwy West 15 of 17.pdf	ADOT owned light poles	6	T1N	R2E	NW	N/A	4-4E			No
610	SRPP Dist.	South Mtn Frwy West 15 of 17.pdf	ADOT owned traffic signal light poles	6	T1N	R2E	NW	N/A	5-5A			No
611	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	ADOT owned property	6	T1N	R2E	NE	N/A	2			No
612	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	ADOT owned traffic signal light pole	6	T1N	R2E	NE	N/A	3			No
613	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	ADOT owned freeway light poles	6	T1N	R2E	NE	N/A	4			No
614	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	ADOT owned freeway light poles	6	T1N	R2E	NE	N/A	4-4C			No
615	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	ADOT owned traffic signal light poles	6	T1N	R2E	NE	N/A	5			No
616	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	ADOT owned freeway light poles	6	T1N	R2E	NE	N/A	6-6L			No
617	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	ROW	6	T1N	R2E	NE	NONE	13			No
618	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	ADOT owned traffic signal light pole	6	T1N	R2E	NE	N/A	14			No
619	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	ROW	6	T1N	R2E	NE	NONE	15-17			No

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
620	SRPP Dist.	South Mtn Frwy West 16 of 17.pdf	SRP on Priv. Property (1987)	5	T1N	R2E	NW	Electric -Prescr. Right Claim	22		On Private Property	Yes
621	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	ROW	5	T1N	R2E	NE	NONE	6			No
622	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	ROW	5	T1N	R2E	NE	NONE	13,14			No
623	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	ROW	4	T1N	R2E	NW	NONE	14, 29			No
624	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	SRP facilities serving ADOT facility	3	T1N	R2E	NW	N/A	15			No
625	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	ADOT owned street lights	4	T1N	R2E	NW	N/A	26-26S			No
626	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	ADOT owned traffic signal light poles	4	T1N	R2E	NW	N/A	26-27A			No
627	SRPP Dist.	South Mtn Frwy West 17 of 17.pdf	SRP on Priv. Property (2007)	4	T1N	R2E	NW	Electric -Prescr. Right Claim	31		On Private Property	Yes
628	SRPP Dist.	South Mtn Frwy East 3 of 22.pdf	COP owned street light	31	T1S	R4E	SW	N/A	3-4			No
629	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	COP owned street light	31	T1S	R4E	SW	N/A	1 - COP			No
630	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	Service to COP facility	31	T1S	R4E	SW	N/A	8 - Ahwatukee So. Park & Ride			No
631	SRPP Dist.	South Mtn Frwy East 5 of 22.pdf	COP street light poles	35	T1S	R3E	SW	N/A	9-12 - Pecos Rd			No
632	SRPP Dist.	South Mtn Frwy East 5 of 22.pdf	COP street light poles	35	T1S	R3E	SW	N/A	16-19 - Pecos Rd			No
633	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	COP street light poles	35	T1S	R3E	SW	N/A	9-12			No
634	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	COP street light poles	35	T1S	R3E	SW	N/A	19 - Pecos Rd & 24th St			No
635	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	SRP facility in ADOT ROW	35	T1S	R3E	SW	NONE	20 - Winsor Sub Tie #5A			No
636	SRPP Dist.	South Mtn Frwy East 6 of 22.pdf	NONE	35	T1S	R3E	SW	NONE	31 - Akimela-A-Al Middle School			No
637	SRPP Dist.	South Mtn Frwy East 7 of 22.pdf	COP street light poles	35	T1S	R3E	SW	N/A	12-23			No
638	SRPP Dist.	South Mtn Frwy East 8 of 22.pdf	RD ROW	33-34	T1S	R3E	S 1/2	NONE	19-25 (Pecos Rd)			No
639	SRPP Dist.	South Mtn Frwy East 9 of 22.pdf	SRP facilities installed in ROW	33	T1S	R3E	S 1/2	NONE	9-26			No
640	SRPP Dist.	South Mtn Frwy East 10 of 22.pdf	SRP facilities installed in ROW	32	T1S	R3E	S 1/2	NONE	9-24			No
641	SRPP Dist.	South Mtn Frwy East 11 of 22.pdf	SRP facilities installed in ROW	31-32	T1S	R3E	S 1/2	NONE	10-16			No
642	SRPP Dist.	South Mtn Frwy East 11 of 22.pdf	SRP facilities installed on ADOT owned property.	31-32	T1S	R3E	S 1/2	NONE	17			No
643	SRPP Dist.	South Mtn Frwy East 15 of 22.pdf	N/A	35	T1S	R2E	SW	N/A	20 - Future City of Phoenix Street Lights			No

**CONFORMED**

TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
644	SRPP Dist.	South Mtn Frwy East 17 of 22.pdf	SRP on Priv. Property (1969)	34	T1S	R2E	NE	Electric -Prescr. Right Claim	16-17		On Private Property - Warranty Deed 2005-0171906	Yes
645	SRPP Dist.	South Mtn Frwy East 18 of 22.pdf	SRP on Priv. Property (1972)	28	T1S	R2E	SE	Electric -Prescr. Right Claim	13-15		Inside W. Choppo Rd R/W (Conveyed to Maricopa Cty Warranty Deed 2012-0221478)	Yes
646	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	N/A	28	T1S	R2E	NE	N/A	15 - Telco owned pole			No
647	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1981)	28	T1S	R2E	NE	Electric -Prescr. Right Claim	21		On Private Property	Yes
648	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	N/A	28	T1S	R2E	NE	N/A	22-26 - Telco owned pole			No
649	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (2005)	28	T1S	R2E	NE	Electric -Prescr. Right Claim	27-28		On Private Property	Yes
650	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1975)	28	T1S	R2E	NE	Electric -Prescr. Right Claim	32		On Private Property	Yes
651	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1993)	28	T1S	R2E	NE	Electric -Prescr. Right Claim	33		On Private Property	Yes
652	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	NONE	28	T1S	R2E	NE	NONE	34			No
653	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1974)	28	T1S	R2E	NE	Electric -Prescr. Right Claim	35		On Private Property	Yes
654	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1964)	28	T1S	R2E	NE	Electric -Prescr. Right Claim	42-46		On Private Property	Yes
655	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1937)	28	T1S	R2E	NW	Electric -Prescr. Right Claim	49		On Private Property	Yes
656	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1965)	28	T1S	R2E	NW	Electric -Prescr. Right Claim	54		On Private Property	Yes
657	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1937)	28	T1S	R2E	NW	Electric -Prescr. Right Claim	57-58		On Private Property	Yes
658	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	N/A	28	T1S	R2E	NW	N/A	60 - Telco owned pole			No
659	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1937)	28	T1S	R2E	NW	Electric -Prescr. Right Claim	60		On Private Property	Yes
660	SRPP Dist.	South Mtn Frwy East 19 of 22.pdf	SRP on Priv. Property (1972)	28	T1S	R2E	NE	Electric -Prescr. Right Claim	62		On Private Property	Yes
661	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	N/A	21	T1S	R2E	SW	N/A	8-9 - Telco owned pole			No
662	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	N/A	20	T1S	R2E	NE	N/A	21 - Traffic Signal owned by Maricopa Cty			No
663	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	NONE	20	T1S	R2E	SE	NONE	24-26 - SRP facilities installed in ROW			No
664	SRPP Dist.	South Mtn Frwy East 20 of 22.pdf	NONE	20	T1S	R2E	NE	NONE	27-28 - SRP facilities installed in ROW			No
665	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	NONE	21	T1S	R2E	NW	NONE	1-6 - SRP facilities installed in road ROW			No
666	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1966)	20	T1S	R2E	NE	Electric -Prescr. Right Claim	7		Inside 51st Ave R/W (Hwy Easement 1980-01126)	Yes
667	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	N/A	20	T1S	R2E	NE	N/A	8 - Facilities are owned by Maricopa County			No

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
668	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1966)	20	T1S	R2E	NE	Electric -Prescr. Right Claim	10		Inside 51st Ave R/W (Hwy Easement 1980-01126, 2002-0067663)	Yes
669	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1959)	20	T1S	R2E	NE	Electric -Prescr. Right Claim	11-14		Inside Estrella Dr R/W (2000-0011976)	Yes
670	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1970)	20	T1S	R2E	NE	Electric -Prescr. Right Claim	15		On Private Property	Yes
671	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1959)	20	T1S	R2E	NE	Electric -Prescr. Right Claim	16-17		Inside Estrella Dr R/W (2000-0011976)	Yes
672	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1982)	16	T1S	R2E	SW	Electric -Prescr. Right Claim	18		Inside Estrella Dr R/W (Easement to Maricopa Cty - 5/4/1981 - DKT 15210 PG 483)	No
673	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1968)	16	T1S	R2E	SW	Electric -Prescr. Right Claim	19		Inside 51st Ave R/W	No
674	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1982)	16	T1S	R2E	SW	Electric -Prescr. Right Claim	20		Inside Estrella Dr R/W (Easement to Maricopa Cty - 5/4/1981 - DKT 15210 PG 483)	No
675	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1962)	16	T1S	R2E	SW	Electric -Prescr. Right Claim	21		Inside Estrella Dr R/W (2000-0011976)	Yes
676	SRPP Dist.	South Mtn Frwy East 20A of 22.pdf	SRP on Priv. Property (1962)	16	T1S	R2E	SW	Electric -Prescr. Right Claim	23		Inside Estrella Dr R/W (2000-0011976)	Yes
677	SRPP Dist.	South Mtn Frwy East 21 of 22.pdf	SRP on Priv. Property (1959)	20	T1S	R2E	NE	Electric -Prescr. Right Claim	6-8		Inside Estrella Dr R/W (2000-0011976)	Yes
678	SRPP Dist.	South Mtn Frwy East 22 of 22.pdf	SRP on Priv. Property (1973)	18	T1S	R2E	NE	Electric -Prescr. Right Claim	5		On Private Property	Yes
679	SRPP Dist.	South Mtn Frwy East 4 of 22.pdf	COP owned street light	31	T1S	R4E	SW	N/A	11-17			No
680	AT&T	NO PRIOR RIGHTS INFORMATION RECEIVED						Communication - Unknown Land Right				Yes*
681	City of Phoenix	NO PRIOR RIGHTS INFORMATION RECEIVED						Water/Sewer/ Electric/Storm Drain				Yes**
682	Cox	NO PRIOR RIGHTS CLAIMED						Communication				No
683	Kinder Morgan Petroleum	LS007-8in_51Ave_abandoned						Petroleum - Abandoned (USA Land - Permit GR-387-55, 9/8/55)	LS007-8in_51Ave_abandoned		Submitted Record Drawings Only	Yes*
684	Kinder Morgan Petroleum	LS052-6in-I-10						Petroleum - Unknown Land Right	LS052-6in-I-10 (75th Ave N-S) - Luke Line		Submitted Record Drawings Only	Yes*
685	Kinder Morgan Petroleum	LS053-6in_51Ave_abandoned						Petroleum - Abandoned (USA Land - Permit 9763, 1/10/56)	LS053-6in_51Ave_abandoned		Submitted Record Drawings Only	Yes*
686	Kinder Morgan Petroleum	LS114-20in_UPRR						Petroleum - UPRR Lease Agrmt	LS114-20in_UPRR		Submitted Record Drawings Only	Yes*

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TP Attachment 430-1 Prior Rights Document Index												
No.	Company	Prior Rights Document from Utility	Document	Section	Township	Range	1/4 Section	Land Right Claimed	Location	Plotted	Notes	ADOT Prior Rights
687	Kinder Morgan Petroleum	LS117-12in_51Ave						Petroleum - Unknown Land Right	LS117-12in_51Ave		Submitted Record Drawings Only	Yes*
688	Kinder Morgan Petroleum	LS52-6in_UPRR						Petroleum - UPRR Lease Agrmt	LS52-6in_UPRR (Crossing 59th Ave)		Submitted Record Drawings Only	Yes*
689	Level3	ELPSTX-LANCA-SPR1-003-Layout1.pdf						Fiber Optic - UPRR Lease Agrmt	UPRR/59th Ave Crossing		Submitted Record Drawings Only - Wiltel	Yes*
690	Level3	Screen Shot - 59th & Broadway.pdf						Fiber Optic - Unknown Land Right	Screen Shot - 59th & Broadway		Submitted Facility map - Level 3/ Wiltel Long Haul	No
691	Level3	Screen Shot - 59th & RR Tracks.pdf						Fiber Optic - UPRR Lease Agrmt	Screen Shot - 59th & RR Tracks		Submitted Facility map - Level 3	Yes*
692	Level3	SDGPHX-06_185.pdf						Fiber Optic - UPRR Lease Agrmt	UPRR		Submitted Record Drawings Only - Level 3	Yes*
693	Level3	SDGPHX-06_186.pdf						Fiber Optic - UPRR Lease Agrmt	UPRR		Submitted Record Drawings Only - Level 3	Yes*
694	Level3	SDGPHX-06_187.pdf						Fiber Optic - UPRR Lease Agrmt	UPRR		Submitted Record Drawings Only - Level 3	Yes*
695	Sprint	NO PRIOR RIGHTS CLAIMED						Communication	South Side of Lower Buckeye			No
696	UPRR	NO PRIOR RIGHTS INFORMATION RECEIVED						Railroad				Yes*
697	Verizon/MCI	MCI Utilities @ 59th Ave.pdf		7	T1N	R2E	NE	Communications - UPRR Lease Agrmt	UPRR @ 59th Ave		Submitted Record Drawings Only	Yes*
698	Verizon/MCI	MCI Utilities @ 59th Ave.pdf		7	T1N	R2E	SE	Communications - UPRR Lease Agrmt	UPRR @ 59th Ave		Submitted Record Drawings Only	Yes*
699	Verizon/MCI	MCI Utilities @ 59th Ave.pdf		8	T1N	R2E	NW	Communications - UPRR Lease Agrmt	UPRR @ 59th Ave		Submitted Record Drawings Only	Yes*
700	Verizon/MCI	MCI Utilities @ 59th Ave.pdf		8	T1N	R2E	SW	Communications - UPRR Lease Agrmt	UPRR @ 59th Ave		Submitted Record Drawings Only	Yes*
701	Zayo Group	NO PRIOR RIGHTS CLAIMED						Communication				No

NOTE: Prior rights determinations are preliminary for the purposes of bidding. Additional documentation may be necessary to make a final determination of prior rights during design.  
 \*Preliminary determinations of prior rights are presumed for these utilities based on previous project experience. Documentation will be required from each utility to confirm prior rights.  
 \*\*City of Phoenix facilities within City of Phoenix right of way receive prior rights approval. Prior rights on City of Phoenix facilities outside of City of Phoenix right of way are presumed, but documentation will be required to confirm prior rights.

**CONFORMED**

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**TP Attachment 440-1 – Roadway Design Criteria**



**CONFORMED**

<b>TP Attachment 440-1 Roadway Design Criteria</b>					
	<b>Mainlines</b>	<b>System to System 2-Lane Direct Connectors and HOV Direct Connectors</b>	<b>Interchange Ramps</b>	<b>Frontage Roads/ Access Roads</b>	<b>Crossroads (within Access Control)</b>
<b>General</b>					
Minimum Design Speed	65 MPH	Body: 55 MPH	Body: 50 MPH	45 MPH	40 MPH
		@ Mainline Entrance Gore: 60 MPH	@ Mainline Entrance Gore: 55 MPH		But not less than the design speed of the approaches to the interchange
		@ Mainline Exit Gore: 65 MPH	@ Mainline Exit Gore: 60 MPH @ Crossroad Terminus: 35 MPH		
<b>Cross Section</b>					
Lane Width	12 feet	12 feet	12 feet	12 feet	12 feet
Shoulder Width <sup>1</sup> (includes gutters):					
Left Shoulder	10 feet	4 feet	2 feet	2 feet	4 feet (including gutter)
Right Shoulder	10 feet	8 feet	Multi-Lane: 2 feet 1-Lane: 8 feet	4 feet (5 feet where there is commercial access)	
Barrier Offset <sup>2</sup>	2 feet	2 feet	2 feet	2 feet	2 feet
Maximum Superelevation Rate	6%	6%	6%	4%	2%
Normal Cross-Slope	2%	2%	2%	2%	2% <sup>3</sup>

**CONFORMED**

<b>TP Attachment 440-1 Roadway Design Criteria</b>					
	<b>Mainlines</b>	<b>System to System 2-Lane Direct Connectors and HOV Direct Connectors</b>	<b>Interchange Ramps</b>	<b>Frontage Roads/ Access Roads</b>	<b>Crossroads (within Access Control)</b>
Curb Type (ADOT Construction Std C-05.10)	If used, Type B, E (or E-1) or C (or C-1), See Section 302.2 of the <i>ADOT Roadway Design Guidelines</i> for guidance			Type D (or D-3), h=6 inches	Outside: Type D (or D-3), h=6 inches Medians: Type A or A-1, h=6 inches
<b>Vertical Clearance</b>					
Over Roadway <sup>4</sup>	16 feet – 6 inches				
Overhead Signs <sup>4</sup>	18 feet – 0 inches; 18 feet – 6 inches to variable message signs				
Overhead Pedestrian Crossings <sup>4</sup>	17 feet – 6 inches				
Multiuse Crossings	16 feet - 0 inches at point where equestrians would cross				
Over Railroad <sup>4</sup>	23 feet – 6 inches				
Over Canals and Channels <sup>4</sup>	Per Canal / Channel Authority Requirements				
<b>Other</b>					
Design Vehicles	WB-67	WB-67	WB-67	WB-67	WB-67
<b>Notes:</b> <ol style="list-style-type: none"> <li>1. Left and right are in the direction of travel</li> <li>2. Does not apply to median shoulders. Does not apply to 12 foot shoulders. 12 feet is the maximum shoulder.</li> <li>3. 1.5 percent is allowable on crossroads at frontage road intersections to minimize crown breakover for the through movement.</li> <li>4. The required vertical clearance must be provided over the entire roadway width, including shoulders and bike lanes. For railroads, clearance is measured from the top of rail.</li> <li>5. See <u>Section DR 440</u> of the TPs for design vehicle requirements at traffic interchanges and outside ADOT access control.</li> </ol>					

**CONFORMED**

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**TP Attachment 440-2 – Crossroad Design Information**

**CONFORMED**

<b>TP Attachment 440-2 Crossroad Design Information</b>					
<b>Crossroad</b>	<b>Crossing Type (Base Configuration)</b>	<b>Jurisdiction</b>	<b>Classification</b>	<b>Governmental Entity's Ultimate Standard</b>	<b>Through Lanes To Be Accommodated at Freeway Crossings</b>
40th Street	Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type D	Match existing
32nd Street	Grade Separation Only	City of Phoenix	Arterial	COP Detail P-1010, Type B	Match existing
24th Street	Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type E	Match existing
Desert Foothills Parkway	Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type D	Match existing
17th Avenue	Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type D	Match existing
Ivanhoe Street	Grade Separation Only	Maricopa County DOT	Collector	MCDOT Roadway Design Manual Figure 5.5	Match existing
51st Avenue	Grade Separation Only	City of Phoenix	Arterial	COP Detail P-1010, Type CM	Per COP Detail P-1010, Type CM
Estrella Drive	Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type C	Per COP Detail P-1010, Type C
Elliot Road	Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type CM	Per COP Detail P-1010, Type CM
Dobbins Road	Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type C	Per COP Detail P-1010, Type C
Baseline Road	Interchange	City of Phoenix	Major Arterial	COP Detail P-1010, Type A	Per COP Detail P-1010, Type A
Southern Avenue	Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type CM	Per COP Detail P-1010, Type CM
Broadway Road	Half Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type CM	Per COP Detail P-1010, Type CM
Lower Buckeye Road	Half Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type CM	Per COP Detail P-1010, Type CM
Durango Street	Grade Separation Only	City of Phoenix	Minor Collector	COP Detail P-1010, Type F	Per COP Detail P-1010, Type F

**CONFORMED**

<b>TP Attachment 440-2 Crossroad Design Information</b>					
<b>Crossroad</b>	<b>Crossing Type (Base Configuration)</b>	<b>Jurisdiction</b>	<b>Classification</b>	<b>Governmental Entity's Ultimate Standard</b>	<b>Through Lanes To Be Accommodated at Freeway Crossings</b>
Buckeye Road	Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type C	Per COP Detail P-1010, Type C
Van Buren Street	Half Interchange	City of Phoenix	Arterial	COP Detail P-1010, Type C	Match existing
Roosevelt Street	Grade Separation Only	City of Phoenix	Minor Collector	N/A	Match existing
Notes:					
1. Developer shall verify existing conditions					

**CONFORMED**

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**TP Attachment 440-3 – Access Control Variances**

**CONFORMED**

<b>TP Attachment 440-3 Access Control Variances</b>	
<b>Location</b>	<b>Variance</b>
40th Street – Northeast Quadrant	Allow full access at existing Cottonwood Lane.
40th Street – Northwest Quadrant	Allow full access at existing Phoenix Park and Ride main bus driveway.  Allow full access at existing Phoenix Park and Ride northern driveway.
Desert Foothills Parkway – Northeast Quadrant	Allow right-in access at existing USPS southern driveway. Allow left-out/right-out access at existing USPS northern driveway. Allow full access at existing Sierra Foothills Professional Plaza driveway.
Desert Foothills Parkway – Northwest Quadrant	By permit, allow gated right-in/right-out access for maintenance purposes only to the SRP substation.  Allow full access at existing Glenhaven Drive.
17th Avenue – Northeast Quadrant	By permit, allow gated right-in/right-out access for maintenance purposes only at existing City of Phoenix pump station.  Allow full access at existing Cottonwood Lane.
17th Avenue – Northwest Quadrant	Allow right-in/right-out access at existing Lacewood Place.
Estrella Drive – Southeast Quadrant	Allow full access at existing residential driveway.
Elliot Road – Southeast Quadrant	Allow full access at 59th Avenue.
Elliot Road – Northeast Quadrant	Allow full access at 59th Avenue.
Elliot Road – Southwest Quadrant	Allow full access to vacant parcel
Elliot Road – Northwest Quadrant	Allow full access to vacant parcel.
Baseline Road – Northwest Quadrant	Allow right-in/right-out access to vacant parcel.
Broadway Road – Northwest Quadrant	Allow right-in/right-out access at existing 62nd Drive.
Lower Buckeye Road – Northeast Quadrant	Allow full access at existing 59th Avenue.
Lower Buckeye Road – Southeast Quadrant	Allow full access at existing 59th Avenue.
Buckeye Road – Southeast Quadrant	Allow right-in/right-out access to existing commercial driveway.
Van Buren Street – Southeast Quadrant	Allow right-in/right-out access to 57th Drive.
Van Buren Street – Southwest Quadrant	By permit, allow left-in/left-out for maintenance purposes only to RID well site.
Note: Variances listed in TP Attachment 440-3 are based on the SMF Access Control Variance Exhibit provided in the RIDs.	

**CONFORMED**

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**TP Attachment 440-4 – Design Variances**



**CONFORMED**

<b>TP Attachment 440-4 Design Variances</b>	
<b>Location</b>	<b>Variance</b>
Ramp NW / I-10 entrance	Horizontal curve at Ramp NW entrance to I-10 may be less than the requirement specified in RDG.
HOV Ramp / Ramp NE Gore	Superelevation transition lengths at the gore between the HOV Ramp and Ramp NE may be longer than those specified in RDG.

**CONFORMED**

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**TP Attachment 450-1 – Character Area Plant List**

**CONFORMED**

<b>TP Attachment 450-1A Character Area 1 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
<b>Large Trees</b>		
Cercidium floridum	Blue palo verde	10
Olneya tesota	Desert ironwood	10
Pithecellobium flexicaule	Texas ebony	10
Prosopis pubescens	Screwbean mesquite	10
Prosopis velutina	Velvet mesquite	10
<b>Small Trees</b>		
Acacia willardiana	Palo blanco	8
Caesalpinia cacalaco	Cascalote	8
Pistacia lentiscus	Mastic tree	8
Psoralea argyrea	Desert smoke tree	8
Sophora secundiflora	Texas mountain laurel	8
Sophora secundiflora 'Silver Peso'	'Silver Peso' Texas mountain laurel	8
<b>Remaining large or small trees</b>		To be determined by Developer
<b>Large Shrubs</b>		
Caesalpinia pulcherrima	Red bird of paradise	6
Calliandra sp.	Fairy duster	6
Cordia parvifolia	Little leaf cordia	6
Justicia californica	Chuparosa	6
Leucophyllum candidum	Silver Cloud sage	6
Leucophyllum frutescens	Green Cloud sage	6
Leucophyllum laevigatum	Chihuahuan sage	6
Simmondsia chinensis	Jojoba	6
<b>Small Shrubs</b>		

**CONFORMED**

<b>TP Attachment 450-1A Character Area 1 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
Muhlenbergia capillaris	Regal Mist	25
Ruellia peninsularis	Baja ruellia	25
<b>Remaining large or small shrubs</b>		To be determined by Developer
<b>Accents</b>		
Asclepias sp.	Milkweed	8
Carnegiea gigantea	Saguaro	8
Dasyliirion wheeleri	Desert spoon	8
Fouquieria splendens	Ocotillo	8
Hesperaloe parvifloia	Red yucca	8
Yucca sp.	Yucca	8
<b>Remaining accents</b>		To be determined by Developer

**CONFORMED**

<b>TP Attachment 450-1B Character Area 2 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
<b>Large Trees</b>		
Cercidium floridum	Blue palo verde	10
Cercidium microphyllum	Foothills palo verde	10
Olneya tesota	Desert ironwood	10
Prosopis pubescens	Screwbean mesquite	10
Prosopis velutina	Velvet mesquite	10
<b>Small Trees</b>		
Acacia greggii	Whitethorn acacia	15
Acacia constricta	Catclaw acacia	15
<b>Remaining large or small trees</b>		To be determined by Developer
<b>Large Shrubs</b>		
Calliandra sp.	Fairy duster	12
Justicia californica	Chuparosa	12
Larrea tridentate	Creosote	12
Simmondsia chinensis	Jojoba	12
<b>Small Shrubs</b>		
Ambrosia deltoidea	Bursage	17
Encelia farinosa	Incienso brittlebush	17
Sphaeralcea ambigua	Globe mallow	17
<b>Remaining large or small shrubs</b>		To be determined by Developer
<b>Accents</b>		
Asclepias sp.	Milkweed	10
Carnegiea gigantean	Saguaro	10
Ferocactus sp.	Barrel cactus	10
Opuntia sp.	Prickly pear	10

**CONFORMED**

<b>TP Attachment 450-1B Character Area 2 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
Opuntia sp.	Cholla	10
Fouquieria splendens	Ocotillo	10
<b>Remaining Accents</b>		To be determined by Developer

**CONFORMED**

<b>TP Attachment 450-1C Character Area 3 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
<b>Large Trees</b>		
Cercidium floridum	Blue palo verde	15
Dalbergia sissoo	Indian rosewood	5
Pistachia chinensis	Chinese pistache	5
Pithecellobium flexicaule	Texas ebony	5
Prosopis velutina	Velvet mesquite	15
Quercus virginiana	Southern live oak	5
Ulmus parvifolia	Evergreen elm	5
<b>Small Trees</b>		
Caesalpinia cacalaco	Cascalote	5
Chitalpa tashkinensis	Chitalpa	5
Pistacia lentiscus	Mastic tree	5
Psoralea argyrea	Desert smoke tree	5
Sophora secundiflora	Texas mountain laurel	5
Vitex agnus-castus	Chaste tree	5
<b>Remaining large and small trees</b>		To be determined by Developer
<b>Large Shrubs</b>		
Caesalpinia Mexicana	Mexican bird of paradise	7
Cordia parvifolia	Little leaf cordia	7
Dodonaea viscosa	Hop bush	7
Eremophila maculate	Valentine bush	7
Leucophyllum candidum	Silver Cloud sage	7
Leucophyllum frutescens	Green Cloud sage	7
Simmondsia chinensis	Jobba	7
<b>Small Shrubs</b>		

**CONFORMED**

<b>TP Attachment 450-1C Character Area 3 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
Lantana sp. 'New Gold'	New Gold lantana	12
Muhlenbergia capillaris	Regal Mist	12
Rosmarinus officinalis prostrates	Prostrate rosemary	12
Ruellia peninsularis	Baja ruellia	12
<b>Remaining large and small shrubs</b>		To be determined by Developer
<b>Accents</b>		
Agave sp.	Agave	12
Asclepias sp.	Milkweed	12
Hesperaloe funifera	Giant hesperaloe	12
Hesperaloe parviflora	Red yucca	12
<b>Remaining accents</b>		To be determined by Developer



**CONFORMED**

<b>TP Attachment 450-1D Character Area 4 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
<b>Large Trees</b>		
Cercidium praecox	Palo brea	15
Dalbergia sissoo	Indian rosewood	5
Pistache chinensis	Chinese pistache	5
Pithecellobium flexicaule	Texas ebony	5
Prosopis glandulosa	Honey mesquite	15
Quercus virginiana	Southern live oak	5
<b>Small Trees</b>		
Caesalpinia cacalaco	Cascalote	10
Chitalpa tashkinensis	Chitalpa	10
Pistacia lentiscus	Mastic tree	10
Psoralea argemone	Desert smoke tree	10
Sophora secundiflora	Texas mountain laurel	10
<b>Remaining large and small trees</b>		To be determined by Developer
<b>Large Shrubs</b>		
Bougainvillea sp.	La Jolla	5
Caesalpinia Mexicana	Mexican bird of paradise	5
Caesalpinia pulcherrima	Red bird of paradise	5
Dodonaea viscosa	Hop bush	5
Leucophyllum candidum	Silver Cloud sage	5
Leucophyllum frutescens	Green Cloud sage	5
Leucophyllum laevigatum	Chihuahuan sage	5
Simmondsia chinensis	Jojoba	5
Tecoma stans 'Orange Jubilee'	Orange jubilee	5
<b>Small Shrubs</b>		

**CONFORMED**

<b>TP Attachment 450-1D Character Area 4 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
Acacia redolens 'Desert Carpet'	Prostrate acacia Desert Carpet	10
Lantana sp. 'New Gold'	New Gold lantana	10
Muhlenbergia capillaris	Regal Mist	10
Rosmarinus officinalis prostrates	Prostrate rosemary	10
Ruellia peninsularis	Baja ruellia	10
<b>Remaining large and small shrubs</b>		To be determined by Developer
<b>Accents</b>		
Aloe sp.	Aloe	12
Asclepias sp.	Milkweed	12
Dasyliirion wheeleri	Desert spoon	12
Hesperaloe parviflora	Red yucca	12
<b>Remaining accents</b>		To be determined by Developer

**CONFORMED**

<b>TP Attachment 450-1E Character Area 5 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
<b>Large Trees</b>		
Cercidium praecox	Palo brea	12
Dalbergia sissoo	Indian rosewood	12
Eucalyptus papuana	Ghost gum	12
Prosopis glandulosa	Honey mesquite	12
<b>Small Trees</b>		
Acacia aneura	Mulga	10
Acacia willardiana	Palo blanco	10
Chitalpa tashkinensis	Chitalpa	10
Psorothamnus spinosus	Desert smoke tree	10
Sophora secundiflora	Texas mountain laurel	10
<b>Remaining large and small trees</b>		To be determined by Developer
<b>Large Shrubs</b>		
Bougainvillea sp.	La Jolla	8
Caesalpinia pulcherrima	Red bird of paradise	8
Leucophyllum candidum	Silver Cloud sage	8
Leucophyllum frutescens	Green Cloud sage	8
Leucophyllum laevigatum	Chihuahuan sage	8
Tecoma stans 'Orange Jubilee'	Orange Jubilee	8
<b>Small Shrubs</b>		
Acacia redolens 'Desert Carpet'	Prostrate acacia Desert Carpet	25
Ruellia peninsularis	Baja ruellia	25
<b>Remaining large and small shrubs</b>		To be determined by Developer
<b>Accents</b>		
Agave sp.	Agave	7

**CONFORMED**

<b>TP Attachment 450-1E Character Area 5 Plant List</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Minimum Percentage that Each Species Shall be Represented in Final Design (%)</b>
Aloe sp.	Aloe	7
Asclepias sp.	Milkweed	7
Dasyliirion wheeleri	Desert spoon	7
Fouquieria splendens	Ocotillo	7
Hesperaloe parviflora	Red yucca	7
Yucca sp.	Yucca	7
<b>Remaining accents</b>		To be determined by Developer

**CONFORMED**

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**TP Attachment 450-2 – Seed Mix**

**CONFORMED**

<b>TP Attachment 450-2A Low Grass And Forb Seed Mix</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Pounds Per Acre of Pure Live Seed</b>
Abronia villosa	Sand verbena	0.25
Argemone platyceras	Prickly poppy	0.25
Aristida purpurea	Purple threeawn	2
Baileya multiradiata	Desert marigold	2
Bouteloua aristidoides	Needle grama	2
Bouteloua rothrockii	Rothrock's grama	0.5
Bothriochloa barbinodis	Cane beardgrass	1
Distichlis stricta	Desert saltgrass	1
Encelia farinose	Inciense brittlebush	1
Encelia frutescens	Button brittlebush	1
Eschscholtzia Mexicana	Mexican poppy	2
Larrea tridentate	Creosote bush	0.5
Lesquerella gordonii	Gordon's bladderpod	1
Lupinus sparsiflorus	Desert lupine	1.5
Lupinus succulentus	Arroyo lupine	5
Phacelia crenulata	Arizona desert bluebell	2
Plantago ovata	Desert indian wheat	1
Salvia columbariae	Desert chia	1
Senna covesii	Desert senna	1
Sphaeralcea ambigua	Desert globemallow	2
Sporobolus cryptandrus	Sand dropseed	0.75
Verbena goodingii	Desert verbena	0.5

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**CONFORMED**

<b>TP Attachment 450-2B Tall Background Seed Mix</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Pounds Per Acre of Pure Live Seed</b>
Abronia villosa	Sand verbena	0.25
Acacia greggii	Catclaw acacia	0.25
Ambrosia dumosa	White bursage	1
Argemone platyceras	Prickly poppy	0.25
Aristida purpurea	Purple threeawn	2
Atriplex canescens	Fourwing saltbush	1
Baileya multiradiata	Desert marigold	2
Bothriochloa barbinodis	Cane beardgrass	1
Bouteloua aristidoides	Needle grama	2
Bouteloua rothrockii	Rothrock's grama	0.5
Calliandra eriophylla	Fairy duster	0.25
Cercidium floridum	Blue palo verde	0.5
Cercidium microphyllum	Foothills palo verde	0.5
Distichlis stricta	Desert saltgrass	1
Encelia farinosa	Brittlebush	1
Encelia frutescens	Button brittlebush	1
Eschscholtzia mexicana	Mexican poppy	2
Kallstroemia grandiflora	Arizona poppy	0.25
Larrea tridentata	Creosote bush	0.5
Lesquerella gordonii	Gordon's bladderpod	1
Lupinus sparsiflorus	Desert lupine	1.5
Lupinus succulentus	Arroyo lupine	5
Olneya tesota	Desert ironwood	3
Phacelia crenulata	Arizona desert bluebell	2
Prosopis juliflora velutina	Velvet mesquite	0.25
Salvia columbariae	Desert chia	1

**CONFORMED**

<b>TP Attachment 450-2B Tall Background Seed Mix</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Pounds Per Acre of Pure Live Seed</b>
Senna covesii	Desert senna	1
Sphaeralcea ambigua	Desert globemallow	2
Sporobolus cryptandrus	Sand dropseed	0.75
Verbena goodingii	Desert verbena	0.5

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**CONFORMED**

<b>TP Attachment 450-2C Wash Seed Mix</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Pounds Per Acre of Pure Live Seed</b>
Ambrosia dumosa	White bursage	1
Aristida purpurea	Purple threeawn	2
Atriplex canescens	Fourwing saltbush	1
Baileya multiradiata	Desert marigold	0.5
Bothriochloa barbinodis	Cane beardgrass	1
Bouteloua aristidoides	Needle grama	0.5
Bouteloua rothrockii	Rothrock's grama	0.5
Calliandra eriophylla	Fairy duster	0.25
Celtis pallida	Desert hackberry	2
Cercidium floridum	Blue palo verde	0.5
Chilopsis linearis	Desert willow	0.5
Distichlis stricta	Desert saltgrass	3
Encelia farinosa	Inciense brittlebush	1
Encelia frutescens	Button brittlebush	1
Eschscholtzia mexicana	Mexican poppy	2
Larrea tridentata	Creosote bush	0.5
Lupinus sparsiflorus	Desert lupine	1.5
Lupinus succulentus	Arroyo lupine	5
Lycium andersonii	Wolfberry	2
Olneya tesota	Desert ironwood	3
Phacelia crenulata	Arizona desert bluebell	2
Prosopis juliflora velutina	Velvet mesquite	0.25
Salvia columbariae	Desert chia	1
Senna covesii	Desert senna	1
Sphaeralcea ambigua	Desert globemallow	2
Sporobolus airoides	Alkali sacaton	2

**CONFORMED**

<b>TP Attachment 450-2C Wash Seed Mix</b>		
<b>Botanical Name</b>	<b>Common Name</b>	<b>Pounds Per Acre of Pure Live Seed</b>
Sporobolus cryptandrus	Sand dropseed	0.5
Verbena goodingii	Desert verbena	0.5

**CONFORMED**

1 **TP Attachment 460-1 – Specifications for Battery Back-up System for Traffic**  
2 **Signals**

# CONFORMED

## 1 Specifications for Battery Back-up System for Traffic Signals

### 2 1 GENERAL

3 This specification establishes the minimum requirements for a complete emergency battery  
4 back-up system for use at traffic signals utilizing light emitting diodes (LED) signals and  
5 pedestrian heads. The battery back-up system (BBS) must include, but not be limited to the  
6 following:

- 7 A. UPS with inverter, charger, tap switching transformer and internal power transfer switch;
- 8 B. Automatic/manual bypass transfer switch unit;
- 9 C. Batteries;
- 10 D. Cabinet;
- 11 E. Mounting hardware; and
- 12 F. Wiring.

13 The BBS must provide reliable emergency power to a traffic signal in the event of a power  
14 failure or interruption.

### 15 2 OPERATION

#### 16 2.1 General

17 The BBS must provide the following operational modes when operating on battery power:

- 18 A. Full operation of all traffic signal devices;
- 19 B. Flash operation; and
- 20 C. Combination of full and flash operation.

#### 21 2.2 Run Time

22 The BBS must provide a minimum of 8.0 hours of full time operation with a 450 watt load. The  
23 minimum battery size requirement is listed in section 7.0, Battery Type.

#### 24 2.3 Compatibility

25 The BBS must be compatible with Model 332, 336, and 337 cabinets; the ITS cabinet; model  
26 170 and 2070 controllers and any NEMA style cabinet and enclosures; the advanced  
27 transportation controller; and all cabinet components for full time operation.

#### 28 2.4 Output Capacity

29 The BBS must provide a minimum of 1100W/1100VA at 25°C active output capacity with 83  
30 percent minimum inverter efficiency with 30 percent minimum loading.

#### 31 2.5 Output Voltage

32 When operating in backup mode, the BBS output must be 120VAC  $\pm$  2 percent, pure sine wave  
33 output,  $\leq$  3 percent THD, 60Hz  $\pm$  0.3 Hz.

#### 34 2.6 DC System Voltage

35 The BBS DC system voltage shall be 48VDC nominal.

## CONFORMED

### 1 **2.7 Transfer Time**

2 The maximum transfer time allowed, from disruption of normal utility line voltage to stabilized  
3 inverter line voltage from batteries, must be 5 milliseconds (ms). The same maximum allowable  
4 time must also apply when switching from the inverter line voltage to utility-line voltage.  
5 Transfers to and from battery operation must not interfere with the operation of the other  
6 equipment in the intersection.

### 7 **2.8 Operating Temperature**

8 The BBS and all components must operate without performance degradation over a  
9 temperature range of -40°C to +74°C with a maximum load of 70 percent of rated output of the  
10 BBS inverter.

### 11 **2.9 Feedback Level**

12 The BBS must be tested and certified to Electrical Standards UL 1778 and CSA 107.3.

### 13 **2.10 Surge Protection**

14 The BBS must have surge protection compliant with IEEE/ANSI C.62.41 Cat. A & B.

### 15 **2.11 Reliability**

16 The BBS system must have a mean-time-before-failure of 174,955 hours at a temperature of 25  
17 degree C (77 degree F) and 103,030 hours at a temperature of 50 degree C (122 degree F).

### 18 **2.12 Power and Control Connections**

19 The BBS must be easily installed, replaced, or removed by using easily removable cables for  
20 AC input, AC output, DC input, external transfer control/alarm and battery temperature sense.

### 21 **2.13 AC Connection**

22 The AC input and output must hard wired connections.

### 23 **2.14 DC Connection**

24 The DC connection must be a recessed one piece Anderson Style connector rated to handle the  
25 maximum DC current required by the inverter while running on batteries.

### 26 **2.15 Temperature Probe Connections**

27 The battery temperature sense inputs shall be panel-mounted Telco style connector.

### 28 **2.16 Unit Failure**

29 In the event of inverter/charger failure, battery failure or complete battery discharge, the  
30 automatic bypass transfer switch shall revert to normally closed (NC) (de-energized) state,  
31 where utility line power is connected to the cabinet.

### 32 **2.17 Overload**

33 The BBS inverter module must be able to shutdown in order to protect against internal damage  
34 in the event of an overload at the output. The inverter must support an overload up to 115  
35 percent for 2 minutes and then turn off the inverter output. The fault recovers when the overload  
36 is removed and line power returns.

### 37 **2.18 Schedule**

38 The BBS must provide a time-of-day schedule settings programmable by the user.

## CONFORMED

1 The time-of-day schedule must allow the user to program schedule operational modes as  
2 required, per intersection.

3 The BBS time-of-day function when programmed must automatically change operational modes  
4 based on the time-of-day schedule. Operational modes must be red flash or full operation.

5 The BBS must not switch from flash operation to full operation mode when the remaining battery  
6 capacity is  $\leq 40$  percent.

### 7 **2.19 AC Feedback**

8 The BBS must prevent a malfunction feedback to the cabinet or from feeding back to the utility  
9 service.

### 10 **2.20 BBS Failure Mode**

11 In the event of BBS failure (inverter/charger or battery) or complete battery discharge, the  
12 internal power transfer relay must revert to NC (de-energized) state and provide utility power to  
13 the intersection when utility line power is available to the cabinet.

### 14 **2.21 Automatic Shutdown**

15 The BBS must initiate an automatic shutdown when battery output reaches 42.5VDC.

### 16 **2.22 Destructive Discharge or Overcharge**

17 The BBS must be equipped with an integral system to prevent the battery from destructive  
18 discharge or overcharge.

## 19 **3 AUTOMATIC BYPASS TRANSFER SWITCH**

### 20 **3.1 Rating**

21 The BBS must include an automatic/manual transfer switch rated at 120VAC/30 amps.

### 22 **3.2 Automatic & Manual Bypass Switch**

23 The automatic bypass transfer switch must be a combination automatic/manual bypass switch.  
24 Placing the bypass switch in the "bypass" mode must transfer the intersection load from the  
25 UPS output directly to commercial power. AC commercial power must still be available to the  
26 UPS input, allowing the UPS to keep the batteries charged. An inverter input breaker must be  
27 provided and located on the bypass switch so to shut off commercial power to the UPS input,  
28 allowing safely disconnecting and removing the inverter. With the inverter turned off, the  
29 batteries can be safely disconnected from the system.

### 30 **3.3 Indicator Light**

31 The automatic bypass transfer switch must include a bypass indicator light that automatically  
32 notifies the user when the manual bypass switch is in bypass position. The indicator light must  
33 be illuminated when in UPS mode.

### 34 **3.4 Status Relay**

35 The automatic transfer switch must have an optional bypass status relay with normally open, dry  
36 contacts that automatically close when the manual bypass switch is in bypass position.

## CONFORMED

### 1 **3.5 Integrated Switch**

2 The manual bypass switch and the automatic transfer relay must be integrated together within  
3 the automatic bypass transfer switch allowing the manual bypass switch to be rated at 15 Amp  
4 and to be integrated with the bypass indicator light.

### 5 **3.6 Terminal Blocks**

6 The automatic bypass transfer switch must have terminal blocks capable of accepting #6 AWG  
7 wiring for the AC input and output with #10 AWG from the automatic bypass transfer switch to  
8 inverter/charger module.

## 9 **4 FUNCTIONALITY**

### 10 **4.1 Output Voltage Regulation Mode**

11 The BBS must include auto voltage regulation functionality.

#### 12 **4.1.1 AC Input Voltage Range for Output Regulation**

13 The buck/boost mode must have a minimum range of 88 - 175 VAC.

#### 14 **4.1.2 Transfer Set Points**

15 There must not be any user definable transfer set points for the buck boost mode.

#### 16 **4.1.3 Regulated Voltage**

17 Whenever auto voltage regulation mode is selected the output of the system must be regulated  
18 between 108-130VAC. When the output of the system can no longer be maintained with this  
19 range, the BBS must transfer to backup mode.

### 20 **4.2 Circuit Breakers**

21 The BBS must be equipped with an AC Input circuit breaker that protects both the UPS and the  
22 loads connected to the output. Should the AC input breaker on the UPS trip, it must allow the  
23 UPS to go to inverter mode to power the intersection off of batteries. Should an overload  
24 condition still exist when the inverter is energized the inverter must revert to its internal  
25 electronic protection, preventing damage to the inverter due to the overload or short circuit  
26 condition, on the output. Once this overload condition is cleared the inverter must energize and  
27 power the intersection utilizing the available battery power. If the condition does not clear itself,  
28 the inverter must stay in the standby mode until manually cleared by a technician.

29 The BBS must have a flush mounted battery circuit breaker installed on the front panel of the  
30 BBS inverter module.

### 31 **4.3 Line Qualify Time**

32 The BBS must have a user definable line qualify time. The user must be able to select a  
33 minimum of six possible settings. The settings must be 3, 10, 20, 30, 40 and 50 seconds. The  
34 default line qualify time must be 3 seconds.

### 35 **4.4 Battery Charger**

36 The BBS must have an integral charger that is compatible with Gel and AGM battery topology.  
37 The charger must be an intelligent charger with control systems that automatically incorporates  
38 bulk, absorption and float charging modes.

## CONFORMED

### 1 **4.4.1 Battery Temperature Compensation**

2 The integral intelligent charger must use temperature compensation. The charging system must  
3 compensate over a range of 2.5 - 6.0mV/°C per cell, user adjustable when required.

### 4 **4.4.2 Battery Temperature Sensor**

5 A temperature probe which plugs into the front panel of the BBS must be used to monitor the  
6 internal temperature of the batteries. The temperature sensor must be 2 meter in length,  
7 external to the inverter/charger module and taped to the side of a center battery within the  
8 battery string.

### 9 **4.4.3 Battery Temperature Charging**

10 The batteries must not be recharged whenever the battery temperature exceeds 50°C.

### 11 **4.4.4 Battery Balancing**

12 The BBS must include an external battery balancer to automatically balance the battery charger  
13 voltage on all batteries in the string to within +/- 100 mV between any two batteries. The  
14 balancer must allow for any single 12V battery within the battery string to be replaced without  
15 replacing all batteries in the string during the battery warranty period.

### 16 **4.4.5 Recharge Time**

17 The recharge time for the batteries from “protective low-cutoff” to 90 percent or more of full  
18 charge capacity must not exceed 12 hours. The BBS charger must be capable of providing 15  
19 amps at 54VDC.

## 20 **5 USER INTERFACES AND DISPLAYS**

### 21 **5.1 Inverter/Charger Display**

22 The BBS inverter/charger unit must include a backlit LCD display for viewing all status and  
23 configuration information. The screen must be easily viewable in both bright sunlight and in  
24 darkness.

#### 25 **5.1.1 Screen Size**

26 The screen must be large enough to display the following information with the use of menu  
27 scrolling buttons to read required information. All active readings must be real time.

- 28 A. Operating mode (line, standby, backup, buck / boost)
- 29 B. Utility input voltage
- 30 C. BBS output voltage and current
- 31 D. Battery temperature
- 32 E. Input frequency
- 33 F. Output power
- 34 G. Battery voltage
- 35 H. Charger current
- 36 I. Shed timer relays time to activation
- 37 J. Ethernet MAC address and IP address
- 38 K. Accumulated output power in kW hours
- 39 L. Battery runtime remaining
- 40 M. Unit serial number



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- 1 N. Unit firmware version
- 2 O. Any alarms and faults

### 3 **5.1.2 Keypad**

4 The BBS inverter/charger unit must include a keypad for navigating system information.

### 5 **5.1.3 Web-based Interface**

6 The BBS must be provided with a web-based-interface for user configuration and management  
7 through a web browser.

### 8 **5.1.4 Minimum Capabilities**

9 The BBS must allow the user to do the following through the web browser:

- 10 A. View logs;
- 11 B. Change modes of operation;
- 12 C. Configure email alarms;
- 13 D. Adjust line qualify time;
- 14 E. Program relay contacts;
- 15 F. Configure network parameters;
- 16 G. Inverter/charger firmware to be upgradeable remotely via Ethernet; and
- 17 H. Communication module firmware upgradeable remotely.

### 18 **5.1.5 Status LEDs**

19 The BBS must have discrete status LED indications on the front of the inverter/charger.

### 20 **5.1.6 Green Output LED**

21 This LED must be “on” any time that the output of the BBS is in normal mode. When the BBS  
22 output is either in backup mode or auto voltage regulation modes the LED must flash “on” and  
23 “off”.

### 24 **5.1.7 Red Fault LED**

25 This LED must be solid “on” any time that there are any faults in the system.

### 26 **5.1.8 Red Flashing Alarm LED**

27 This LED must flash “on” and “off” any time that there are any alarms in the system.

### 28 **5.1.9 Event Log**

29 The BBS must maintain an event log containing a minimum of 200 of the most recent events  
30 recorded by the BBS. These events must be down loadable remotely via Ethernet and  
31 automatically reported to the central monitoring software. The events log must be date and time  
32 stamped.

### 33 **5.1.10 Events, Alarms and Faults**

34 The BBS must display and log the following events, alarms and faults:

- 35 A. Operating mode;
- 36 B. Weak battery;
- 37 C. Overload;
- 38 D. High and low temperatures;

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- 1 E. User input, S2 is shorted;
- 2 F. Line frequency out of specifications;
- 3 G. No temperature probe;
- 4 H. Low battery;
- 5 I. Battery breaker open;
- 6 J. BBS is performing a self-test;
- 7 K. Fan fail;
- 8 L. Incorrect firmware;
- 9 M. AC input breaker open;
- 10 N. Short circuit;
- 11 O. Output voltage high;
- 12 P. Output voltage low;
- 13 Q. Battery voltage high;
- 14 R. Battery voltage low;
- 15 S. Isolation relay fail; and
- 16 T. Temperature high.

### 17 **5.1.11 Counters**

18 The BBS must keep track of the following:

- 19 A. The number of times that the unit was in backup mode.
- 20 B. The accumulated number of hours and minutes that the unit has operated in backup
- 21 mode since the last reset.

### 22 **5.1.12 Programmable Relay Contacts**

23 The BBS must provide the user six programmable dry relay contacts and one 48VDC relay  
24 contact. As a minimum, the programmable options must be on battery, low battery, timer, alarm,  
25 fault, and off. The BBS must also have three input dry relay contacts. BBS self test, user alarm,  
26 and BBS shutdown.

## 27 **5.2 Relay Contact Terminals**

28 The relay contacts must be made available on the front panel of the BBS via 6, 3 position  
29 plug-in terminal blocks with screw down wiring connections.

### 30 **5.2.1 Contacts**

31 Each relay, C-1 through C-5 must have their own common and their own set of normally open  
32 (NO) and NC terminals. The terminals for each relay must be oriented as NO-C-NC on the  
33 terminal block. C-6 must provide continuous 48 VDC voltage for powering of enclosure DC fan.

### 34 **5.2.2 Labeling**

35 The contacts on the terminal block must be labeled 1-18, left to right. Additionally, each set of  
36 contact must be labeled with the NO-C-NC designation, as well as C1...C6 from left to right.  
37 Printed labels noting all alarms and faults must be provided with the BBS inverter/charger to be  
38 installed when required.

### 39 **5.2.3 Rating**

40 The relay contacts must be rated at a minimum of 1 amp at 250 VAC.

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### 1 **5.2.4 On Battery Relay Contact**

2 The dry relay contacts that are configured for “on battery” must only energize when the Inverter  
3 is operating in backup mode.

### 4 **5.2.5 Timer Relay Contacts**

5 The BBS must include a timer that must energize the “timer” configured dry relay contact after  
6 the user configured time has elapsed. The timer is started when the BBS enters backup mode.  
7 The user must be able to configure the timer to the required time. The format must be hours,  
8 minutes, seconds.

### 9 **5.2.6 Low Battery Relay Contact**

10 The BBS must have an adjustable low battery relay setting. This setting must be adjustable so  
11 that the user can set the point at which the low battery relay contact is energized.

## 12 **6 COMMUNICATIONS**

### 13 **6.1 Serial Interface**

14 The BBS must be equipped with an industry standard RS-232 serial connection for user  
15 configuration and management. The serial port must be an EIA-232 (DB9-Female) connector.

### 16 **6.2 Ethernet Interface**

17 The BBS must have an internal Ethernet communication interface for user configuration and  
18 management. The Ethernet port must be an RJ-45, EIA 568B pin out connector.

### 19 **6.3 Remote Monitoring**

20 The BBS must include remote monitoring & alarms transmission capabilities through the  
21 Ethernet RJ-45 IP addressable port, using simple network management protocol.

### 22 **6.4 Notification**

23 System must have the capability of notifying operations, maintenance or TMC via e-mail of any  
24 alarms, faults or events, user selectable. E-mail set up must allow for different levels of  
25 notifications based on the criticalness of the alarms.

### 26 **6.5 User Configuration Menus**

27 All BBS configuration and system menus must be accessible and programmable from the  
28 RS-232 and Ethernet port.

### 29 **6.6 Communication Protocols**

30 The BBS must support TCP and UDP over IP protocol communications.

### 31 **6.7 Application Layer Protocols**

32 The BBS must support FTP, Telnet, and HTTP.

### 33 **6.8 Simple Network Management Protocol**

34 The BBS must be simple network management protocol compliant.

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### 1 **7 BATTERIES**

#### 2 **7.1 Battery Type**

3 The battery must be comprised of extreme temperature, float cycle, GEL valve regulated lead  
4 acid. Individual batteries must meet the following specifications:

5 A. Voltage rating: 12V

6 B. Amp-hour rating: 109 AH, at the 20 hour rate, to 1.75 Volts per cell, minimum battery  
7 rating. Larger AH batteries are acceptable providing they do not exceed the group size  
8 listed below. (Case 31)

9 C. Group size: Case 31

10 D. Batteries must be easily replaced and commercially available off the shelf

11 E. Batteries must provide 100% runtime capacity out-of-box. Each battery must meet its  
12 specification without the requirement of cycling upon initial installation and after the initial  
13 24 hour top off charge.

#### 14 **7.2 Battery String**

15 Batteries used for the BBS must consist of a 4 batteries configured for a 48 VDC battery buss  
16 system.

#### 17 **7.3 Operating Temperature**

18 The battery system must consist of one or more strings of extreme temperature; float cycle GEL  
19 valve regulated lead acid batteries. Batteries must be certified to operate at extreme  
20 temperatures from  $-40^{\circ}\text{C}$  to  $+71^{\circ}\text{C}$ .

#### 21 **7.4 Construction**

##### 22 **7.4.1 Terminals**

23 The batteries must have maintenance-free threaded insert terminals eliminating annual  
24 torqueing. Battery terminals that require annual torqueing of each post connection must not  
25 permitted.

##### 26 **7.4.2 Ability to Function**

27 An integral lifting handle should be provided on the batteries for ease of removal/installation.

### 28 **8 CABINET**

#### 29 **8.1 General**

##### 30 **8.1.1 BBS Cabinet Dimensions**

31 The dimensions for the BBS cabinet must not exceed 50 inches in height, 17 inches in width  
32 and 17 inches in depth.

##### 33 **8.1.2 Inverter/Charger Mounting**

34 The inverter/charger unit must be shelf or rack mounted on a standard EIA 19 inch rack.

##### 35 **8.1.3 Automatic Transfer Switch Mounting**

36 The automatic transfer switch must be mounted on EIA 19 inch rail.

##### 37 **8.1.4 Interconnect Wiring**

38 All interconnect wiring must be provided and must be UL Style 1015 CSA TEW.

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### 1 **8.2 BBS Replacement**

2 The BBS equipment and batteries must be easily replaced and must not require any special  
3 tools for installation.

### 4 **8.3 Hot Swappable**

5 The BBS inverter and batteries must be hot swappable. There must be no disruption to the  
6 traffic signal when removing the inverter or batteries for maintenance.

### 7 **8.4 Quick Disconnects**

8 All inverter and battery connections must be of the quick disconnect type for ease of  
9 maintenance.

### 10 **8.5 Ancillary Installation Hardware**

11 All necessary installation hardware (bolts, fasteners, washers, shelves, racks, etc.) must be  
12 included.

### 13 **8.6 Cabinet Sizing**

14 The external cabinet must be capable of housing batteries up to a group 31 size,  
15 inverter/charger power module, automatic transfer switch, control panels, wiring, wiring  
16 harnesses, and all other ancillary equipment.

### 17 **8.7 Cabinet Types**

18 The BBS can be installed either as:

- 19 A. Free-standing base-mounted cabinet with optional 8 inch riser for easy cable entrance;
- 20 B. Pole-mounted cabinet with optional pole mount bracket kit; or
- 21 C. Side-mounted to a traffic controller cabinet with no mounting brackets required.

### 22 **8.8 Rating**

23 All external cabinets must be NEMA 3R rated. The enclosure must be made of 0.125 (5052-  
24 H32) aluminum.

### 25 **8.9 Ventilation**

26 The external cabinet must be ventilated through the use of louvered vents, filter, and one  
27 thermostatically controlled fan. The filter must be the re-usable type and matching the  
28 dimensions of the louver with both located on the bottom half of the door.

29 The cabinet fan must be DC operated for longer reliability.

### 30 **8.10 Ancillary Hardware**

31 The BBS cabinet must come with all bolts, washers, nuts required to mount it to a controller  
32 cabinet.

### 33 **8.11 Accessibility**

34 All components, terminations, terminal blocks, relays, etc. must be fully accessible.

### 35 **8.12 Shelves**

36 Battery shelves must be located in the bottom half of the enclosure. All battery shelves must be  
37 removable and on ball bearing rollers to slide in and out for easy access for the batteries. Air

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1 must be allowed for flow from the bottom of the cabinet and up the back internal wall. Neither  
2 the top battery shelf nor the power module shelf must inhibit the airflow to the top of the cabinet.

### 3 **8.12.1 Locking**

4 The cabinet must include a 3 point locking system, including a Type 2 Corbin lock and utilize a  
5 handle with pad locking capability.

### 6 **8.12.2 Cabinet Options**

7 The following options must be available for the cabinet:

- 8 A. On-battery lamp mounted externally on the top of the cabinet that illuminates when the  
9 BBS is operating in inverter mode;
- 10 B. Battery heater mats to increase battery capacity in cold climates;
- 11 C. Receptacle plate assembly that mounts on the transfer switch panel to provide utility  
12 power to the battery heater mats;
- 13 D. Automatic generator transfer switch that senses a generator is connected and  
14 automatically switches to the generator source;
- 15 E. Internal lamp with door push-button switch to illuminate the interior of the cabinet; and
- 16 F. Status monitoring dry contacts for the automatic transfer switch and the generator  
17 transfer switch.

## 18 **9 MAINTENANCE**

### 19 **9.1 Probe Jacks**

20 The BBS must provide voltmeter standard probe input-jacks (+) and (-) to read the exact battery  
21 voltage drop at the inverter input.

### 22 **9.2 Self-Testing**

23 The BBS inverter module must be programmable to perform automatic self-testing, programmed  
24 in weekly intervals and programmed by the user to meet their specific requirements or  
25 manufacturer's recommendation. During self-test the BBS inverter module must identify a weak  
26 battery or multiple batteries in the string that have reached a weak state and notify maintenance  
27 by initiating a weak battery alarm.

## 28 **10 WARRANTY**

### 29 **10.1 Battery Backup System**

30 The BBS system must include a five-year warranty on parts and labor on the entire BBS  
31 system, including batteries, to ADOT when utilizing the BBS Manufacturers own designed  
32 enclosure, meeting the above cabinet specifications.

33 If another enclosure is provided by the BBS manufacturer, the manufacturer must provide a  
34 three-year warranty on parts and labor on the BBS inverter module only.

### 35 **10.2 Batteries**

36 The BBS manufacturer must provide a 5 year unconditional full replacement warranty for every  
37 battery with the BBS under this specification. Under the warranty time period, the battery must  
38 provide a minimum of 70% of its original capacity.

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### 1 **11 VENDOR SUPPORT**

#### 2 **11.1 Technical Support**

3 The BBS manufacturer must provide a toll-free technical support phone number. The toll-free  
4 phone number must be included in the BBS manual.

#### 5 **11.2 Documentation**

6 Equipment manuals must be provided for each BBS cabinet. Equipment manuals must include  
7 installation, operation, programming, maintenance and troubleshooting.

### 8 **12 QUALITY ASSURANCE**

#### 9 **12.1 Design and Production**

10 Each BBS must be manufactured in accordance with a written manufacturer's Quality  
11 Assurance program. The QA program must include, as a minimum, specific design and  
12 production QA procedures.

#### 13 **12.2 ISO Certified**

14 The BBS power module manufacturer must be ISO 9001 or ISO 9002 certified.

#### 15 **12.3 Design Qualification Testing**

16 The manufacturer must be certified to carry out the CSA and UL standards testing on the BBS  
17 system.

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**TP Attachment 470-1 – ROW Forms**



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ARIZONA DEPARTMENT OF TRANSPORTATION  
RIGHT OF WAY GROUP  
ACQUISITION SECTION  
205 South 17th Avenue, MD 612E  
Phoenix, Arizona 85007

AUTHORIZATION TO RELEASE INFORMATION TO THIRD PARTY

To Whom It May Concern:

The Arizona Department of Transportation is currently in the process of purchasing my property located at \_\_\_\_\_, Phoenix, Arizona.

You may consider this letter as your authorization to provide the following loan information to the Arizona Department of Transportation. We are enclosing a self-addressed stamped envelope for your convenience.

- 1. Current Principal Balance \_\_\_\_\_
- 2. Current Interest Rate \_\_\_\_\_
- 3. Monthly Payment (principal & interest only) \_\_\_\_\_
- 4. Original term of loan (months) \_\_\_\_\_
- 5. Remaining term of loan (months) \_\_\_\_\_
- 6. Heloc loan balance 180 days prior\* \_\_\_\_\_

If you have any questions, please contact Right of Way Agent \_\_\_\_\_  
Phone Number: \_\_\_\_\_

THIS LETTER ALSO AUTHORIZES YOU TO PROVIDE ALL INFORMATION ON MY LOAN TO THE STATE'S ESCROW AGENCY UPON REQUEST. \*NOTE IF MORTGAGE IS A HELOC, PLEASE PROVIDE BOTH CURRENT PRINCIPAL BALANCE AND PRINCIPAL BALANCE THAT EXISTED 180 DAYS PRIOR TO THIS REQUESTED DATE. DO NOT INCLUDE ANY LATE PAYMENTS, FEES, ETC. IN PRINCIPAL BALANCE.

**Property owner to provide current:**

Mortgage loan servicer \_\_\_\_\_  
Mortgage loan servicer address \_\_\_\_\_  
Mortgage loan number \_\_\_\_\_  
Loan servicer phone number \_\_\_\_\_

\_\_\_\_\_  
Property Owner/Borrower      Date                      Property Owner/Borrower      Date

Project: \_\_\_\_\_ Section: \_\_\_\_\_ Parcel: \_\_\_\_\_

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RIGHT OF ENTRY AND USE

Name
Attention
Address
City, State, Zip Code

Dear

Permission is hereby granted for \_\_\_\_\_ of \_\_\_\_\_, employees or their agents to enter upon the land State of Arizona, by and through the Arizona Department of Transportation (ADOT) land described as follows:

Property Identified as: Approximately \_\_\_\_\_ square feet of that portion of Land \_\_\_\_\_ Arizona, GSRB&M

Part of Tax Code # \_\_\_\_\_

ADOT Parcel # \_\_\_\_\_

For the purpose(s) of: Access for \_\_\_\_\_

It is understood that this is a voluntary permission and is not a waiver in any way of the right to compensation for such land or of any remedy authorized by law to secure payment thereof.

This Right of Entry permission is in effective on the Close of Escrow Date or the Order of Immediate Possession, and it is further agreed that said permission will terminate automatically upon the beginning of the proposed construction of the \_\_\_\_\_.

In receipt of this agreement we are requesting from the \_\_\_\_\_, a Certificate of Public Liability Insurance naming ADOT as "Additional Insured" in the amount of not less than \$2,000,000.00 and will hold harmless the Arizona Department of Transportation from any liability as a result of any actions caused by \_\_\_\_\_, agrees to hold the State of Arizona, by and through the Arizona Department of Transportation (ADOT) harmless from any liability as a result of actions caused by \_\_\_\_\_, in conjunction with the its employees, licensees, invitees, trespassers or third parties.

On \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
DATE

APPROVED: ARIZONA DEPARTMENT OF TRANSPORTATION:

By: \_\_\_\_\_
Raul R. C. Torres, Manager
Property Management Section

**CONFORMED**

ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT)  
RIGHT OF WAY GROUP – STATEWIDE/URBAN ACQUISITION SECTION

**SUMMARY STATEMENT OF OFFER TO PURCHASE  
AND  
IMPROVEMENT REPORT**

This statement accompanies our letter of \_\_\_\_\_ and shows the basis on which the offer is made, including any settlement amount.

**A. IDENTIFICATION OF THE PROPERTY**

The land is identified as \_\_\_\_\_,  
\_\_\_\_\_ County, Arizona

also known as Assessor Parcel No(s). \_\_\_\_\_

**B. THE ESTATE OR INTEREST NEEDED**

The estate(s) or interest(s) needed is/are as follows (indicated by an "X"):

- Fee interest (new right-of-way) \_\_\_\_\_ Square Feet
- Underlying fee interest (existing rights-of-way) \_\_\_\_\_ Square Feet
- Easement (new right-of-way) \_\_\_\_\_ Square Feet
- \_\_\_\_\_ Easement \_\_\_\_\_ Square Feet
- Temporary Construction Easement \_\_\_\_\_ Square Feet
- \_\_\_\_\_ \_\_\_\_\_ Square Feet

**C. THE OFFER AS JUST COMPENSATION, AND BREAKDOWN**

The amount offered represents just compensation, and is the result of a review and analysis of an appraisal made by a certified real estate appraiser. If only part of the property is needed, full consideration has been given to the value of the remaining property, including items requiring compensation on a "cost-to-cure" basis, if any. The analysis of the remaining property takes into account the effect of the acquisition of the land needed, and the establishment and construction of the project. A breakdown of the offer is as follows:

Land (including improvements)	\$	_____
Severance Damages to remaining property (possible on partial acquisitions only)	\$	_____
"Cost-to-Cure" compensation involving a facility or component on the remaining property	\$	_____
_____	\$	_____
Total Just Compensation	\$	_____

Project: \_\_\_\_\_ Section: \_\_\_\_\_ Parcel: \_\_\_\_\_

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**D. THE IMPROVEMENTS**

THE IMPROVEMENTS ASSOCIATED WITH THE PURCHASE ARE DESCRIBED AS FOLLOWS: \_\_\_\_\_

It is hereby acknowledged that all buildings and other improvements listed above that are situated entirely within or partially within the Right of Way take limits are conveyed to ADOT with Rights of Entry upon the Grantors remaining land for the purpose of building removal and other improvements as noted.

**E. COST TO CURE**

THE COST TO CURE ASSOCIATED WITH THE PURCHASE ARE DESCRIBED AS FOLLOWS: \_\_\_\_\_

Grantor agrees to remove all cost to cure items no later than 30 days from the date of payment, and assumes all liability connected with said removal. Further, upon expiration of the time provided for removal, all improvements associated with the cost to cure remaining partially or wholly upon the lands conveyed shall become the property of the State of Arizona, and all rights of the Grantor to said improvements associated with the cost to cure shall cease and terminate. Grantor shall be liable for the reasonable cost incurred in removing said improvements. **(REMOVE STATEMENT IF COST TO CURE IS NOT WITHIN R/W)**

COMMENTS AND/OR EXCLUSIONS:

\_\_\_\_\_

PERSONAL PROPERTY NOT ACQUIRED (INCLUDES ITEMS NOT PERMANENTLY ATTACHED):

\_\_\_\_\_

**F. THE DOCUMENTS NEEDED**

Following is a summary of the documents requiring signature (indicated by "X"):

- Purchase Agreement** (this document shows the terms of the transaction, and the attached Exhibit "A" provides the exact legal description)
- Warranty/Special Warranty/Quitclaim Deed** (to be notarized)
- Extended Occupancy Agreement
- Right of Way Contract (to be notarized)
- Temporary Construction Easement
- Summary Statement of Offer to Purchase and Improvement Report** (see below)
- Manufactured Home**
- Easement** (to be notarized)
- Arizona Substitute W-9 Form**

**G. SECURITY DEPOSIT INFORMATION AND ACKNOWLEDGMENT**

ADOT shall withhold \$\_\_\_\_\_ in escrow, as a security deposit, in accordance with the terms of the Purchase Agreement.

Project:\_\_\_\_\_ Section:\_\_\_\_\_ Parcel:\_\_\_\_\_

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**H. SUBSURFACE IMPROVEMENT STATEMENT**

1. I  am  am not aware of the presence of any subsurface improvements (e.g., septic systems, storm cellars, ground wells) within the area of ADOT's acquisition.\*
2. Well(s)  Yes  No Well Registration No(s): 55-\_\_\_\_\_
3. Irrigation Water Rights  Yes  No **IGR Number:** 58-\_\_\_\_\_
4. Well is located  within the acquisition area,  outside the acquisition area.  
**(NOTE: If you answered yes regarding water rights, please provide a copy of the appropriate certificate if available)**

\*If aware of such improvements, please provide any information that may assist in locating same.

**GRANTOR**

\_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_

08/1/12

Project: \_\_\_\_\_ Section: \_\_\_\_\_ Parcel: \_\_\_\_\_

## DEMOLITION AUTHORIZATION

DATE: \_\_\_\_\_ DEMO #: \_\_\_\_\_

PARCEL(S)#: \_\_\_\_\_

JOB LOCATION: \_\_\_\_\_

LIST OF STRUCTURES: \_\_\_\_\_

PERMITS: \_\_\_ DEMO \_\_\_ DUST

NESHAP NOTIFICATION FILED: \_\_\_\_\_

UTILITIES SHUT OFF: \_\_\_ ELECTRIC \_\_\_ GAS \_\_\_ WATER \_\_\_ PHONE \_\_\_ CABLE

ABATEMENT COMPLETED BY (COMPANY/OVERSIGHT):  
\_\_\_\_\_

DATE ABATEMENT COMPLETED: \_\_\_\_\_

IDENTIFY HAZARDOUS MATERIALS: \_\_\_\_\_

UNDERSTAND ENTIRE SCOPE OF WORK: \_\_\_\_\_

ALL PARTIES RECEIVED DEMO SPECS: \_\_\_\_\_

POTENTIAL: UNDERGROUND STORAGE TANKS \_\_\_ SEPTIC SYSTEM \_\_\_

SPECIAL CONDITIONS OR CAUTIONS: \_\_\_\_\_

REMARKS: \_\_\_\_\_

SIGNATURES

\_\_\_\_\_  
DEMOLITION CONTRACTOR/SUPER/MGR

\_\_\_\_\_  
DEMOLITION ONSITE EQUIP OPER

\_\_\_\_\_  
ADOT DEMOLITION REPRESENTATIVE

(THIS CHECKLIST SHALL SERVE AS THE FINAL AUTHORIZATION FOR THE DEMO COMPANY TO COMMENCE WORK ON PROPERTY)

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**Arizona Department of Transportation**

**Intermodal Transportation Division**

206 South Seventeenth Avenue Phoenix, Arizona 85007-3213

RE: Project #: \_\_\_\_\_

I certify that I have received the following documents from the Arizona Department of Transportation:

1. State of Arizona Asbestos Contract Directory
2. Asbestos NESHAP Regulations
3. NESHAP Notification for Renovation and Demolition Activities, Arizona Department of Transportation Facilities
4. ADOT Erosion and Pollution Control Manual

_____	_____	_____
SIGNATURE	PRINTED NAME	DATE
_____		
FIRM'S NAME		
_____		
STREET ADDRESS		
_____		( ) _____
CITY STATE ZIP CODE		TELEPHONE

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**TP Attachment 470-2 – Demolition Contractor Requirements**



# CONFORMED

1

## Demolition Contractor Requirements

### 2 Demolition Contractors Experience and Licensing:

- 3 A. Minimum of 5 years experience in demolition as primary work.
- 4 1. Commercial and residential experience
- 5 2. Must be able to provide detailed qualifications in performing the range of demolition
- 6 services on various property types in compliance with NESHAP standards, including
- 7 team's resumes.
- 8 3. Must be able to provide 3 examples of work completed similar to the Work to be
- 9 contracted to complete and references
- 10 4. Must have adequate staff to complete contract requirements on time.
- 11 B. Demolition contractor and its sub-contractors must be licensed and bonded within the
- 12 State of Arizona, minimum licensing requirements are; B-1, L-57, K-57, and C-22R.
- 13 Copies of licenses to be provided.
- 14 C. Demolition contractor and its sub-contractors must provide ADOT with a *Certificate of*
- 15 *Insurance* as defined by ADOA Risk Management.
- 16 D. Demolition contractor must not subcontract work without review and consent from ADOT
- 17 and all approved sub-contractors must comply with the same requirements of the prime
- 18 demolition contractor.
- 19 E. Must provide a payment and performance bond
- 20 F. All demolition contractor or sub-contractors must provide and file all necessary permits
- 21 required to include proper filing of all NESHAP, SWPPP, dust permits, and any and all
- 22 required documentation regarding regulatory requirements. Copies of all documents
- 23 must be provided to ADOT.

### 24 Equipment:

- 25 A. Provide a detailed listing of equipment owned and ability to obtain additional equipment
- 26 necessary to complete the assigned work within the specified time frame.
- 27 B. All equipment must conform to current Federal, State, EPA and OSHA Laws, rules, and
- 28 regulations.
- 29 C. Equipment must not be utilized for any activity that is not related to the demolition
- 30 project.
- 31 D. All equipment must be in good running order and truck bed should contain side boards
- 32 and top covers to prevent debris and material from spilling out.

### 33 Personnel:

- 34 A. Detailed resume of all key personnel.
- 35 B. Demolition project manager, onsite superintendent or foreman, must be AHERA certified
- 36 as a contractor/supervisor. AHERA certification credential must be available at all times.
- 37 If the designated individual leaves the work site, all work must cease.
- 38 C. Company must have designated and have a certified dust control coordinator on site and
- 39 all water truck operators must have their certification in basic dust control. All credentials
- 40 must be available at all times.

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### 1 **Job Site Requirements:**

- 2 A. Demolition contractor and its sub-contractors must ensure that all debris and waste is  
3 deposited in an approved licensed landfill as defined by the type of waste classification.
- 4 B. Demolition contractor and its sub-contractors must remove all structure, substructures  
5 and abandoned utilities and remove trash and debris from the site and backfill any  
6 excavation with clean fill. If any excavation requires backfill it must be backfilled to a 30°  
7 slope or back to grade upon direction of the demolition project manager.
- 8 C. Remove all Freon by an approved certified EPA technician from the A/C units on the  
9 structures prior to beginning demolition.
- 10 D. Demolition contractor and its sub-contractors must be responsible for coordination and  
11 contacting Blue Stake and identify any utilities within the work area.
- 12 E. If any asbestos containing material or other hazardous material is discovered on the  
13 work site all work must cease, the demolition project manager must be notified and all  
14 workers must be removed from the area until the material can be analyzed, identified,  
15 and removed upon which the work can resume upon written notification by the  
16 demolition project manager.
- 17 F. Contractor must submit the NESHAP notification for review and approval by ADOT prior  
18 to filing it with the appropriate jurisdiction, as required by Law.
- 19 G. Demolition contractor must notify the demolition project manager of any unforeseen item  
20 discovered during demolition prior to removing said same from the project site.
- 21 H. Demolition contractor must notify ADOT of any environmental concerns that may be  
22 uncovered during the demolition process and cease work in the area immediately until  
23 the demolition project manager issues a release to commence work.

### 24 **Utility Abandonments:**

- 25 A. ADOT will provide a blank ABANDONMENT LETTER (template) to Developer for there  
26 use in abandoning the utilities.
- 27 B. The demolition contractor must have a contact person or number for all Utilities  
28 companies to fax or email abandonment letters and cc ADOT on every correspondence.
- 29 C. Gas-remove meters and abandon riser.
- 30 D. Electrical-remove meters and overhead lines.
- 31 E. Water-remove meters.
- 32 F. Communication – Phone, Cable
- 33 G. Contractor must provide ADOT a time schedule as to when the abandonment will take  
34 place prior to any work (asbestos or demo) work be done.

**CONFORMED**

1

**TP Attachment 470-3 – Acquisition/Relocation Status Report**

**CONFORMED**

<b>TP Attachment 470-3 Acquisition/Relocation Status Report</b>								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
1	7-11408	Smith Trust	103-25-234	1217 N 61st Dr.	SFR	N	10/1/2016	\$13
2	7-11409	1133 N 60th Ave LLC	103-25-010	5932 W Belleview St	SFR	Y	4/1/2016	\$76
3	7-11412	Gideon & Julie Aboud	306-06-333	2742 E Redwood Lane	SFR	Y	4/1/2016	\$44
4	7-11413	Gregory Adams	306-06-322	2660 E Redwood Lane	SFR	Y	4/1/2016	\$42
5	7-11414	AHP VIII, LLC	104-57-024	6202 W Pueblo Ave	SFR	Y	3/1/2017	\$27
6	7-11427	Julia Ann Baarstad / Michaels	306-06-280	2717 E Redwood Lane Mailing: 111 7th Ave Independent Iowa 50644	SFR	Y	4/1/2016	\$43
7	7-11428	Brandon Baker	306-06-267	17037 S 27th Place	SFR	Y	4/1/2016	\$28
8	7-11429	Christine McKinney aka Christine Balderacchi	306-06-294	2623 E Redwood Lane	SFR	Y	4/1/2016	\$42
9	7-11430	Ruiz	103-25-019	6032 W Belleview St	SFR	Y	4/1/2016	\$16
10	7-11431	Rogelio Lamas & Maria A. Tinoco	103-25-230	6126 W Belleview St	SFR	Y	4/1/2016	\$13
11	7-11433	Heather Bauer & Morton Kaye	306-06-331	2734 E Redwood Lane	SFR	Y	4/1/2016	\$41
12	7-11437	Dennis Berube	300-04-017X	4418 W Galveston St	SFR	Y	6/1/2016	\$4
13	7-11440	Joseph & Karen Bross	300-05-598	2755 W Cedarwood Lane	SFR	Y	4/1/2016	\$61
14	7-11447	Salvatore & Sharon Castronova	306-06-268	2765 E Redwood Lane	SFR	Y	4/1/2016	\$27
15	7-11448	Cazarez Alfredo/ Gastelum Judith	103-25-229	6130 W Belleview St	SFR	Y	4/1/2016	\$12
16	7-11449	Likai Chai	300-05-599	2751 W Cedarwood Lane	SFR	Y	4/1/2016	\$61
17	7-11454	Tricia Coleman	306-06-269	2761 E Redwood Lane	SFR	Y	4/1/2016	\$44
18	7-11456	Daniel Contreras	306-06-275	2737 E Redwood Lane	SFR	Y	4/1/2016	\$48
19	7-11458	Gary & Alice Coombs Family Trust	306-06-307	17002 S 26th St	SFR	Y	4/1/2016	\$32

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
20	7-11460	Tomas & Maria Cortez	300-04-021E	4544 W Ivanhoe St	SFR	Y	6/1/2016	\$8
21	7-11462	Ellis & Williams	300-03-016J	5901 W Elliot Rd.	SFR	N	4/1/2016	\$1
22	7-11463	Robert & Maia Crawley	300-04-017S, 300-04-017U	4427 W Monterey St	SFR / Vacant	Y	6/1/2016	\$1
23	7-11465	Dad Victor & Elisa M	300-02-021J	6102 W Dobbins Rd	SFR	N	4/1/2016	\$1
24	7-11467	William & Shandra Daniels	300-05-615	17021 S. 27th Ave	SFR	Y	4/1/2016	\$45
25	7-11468	Daniel & Donna Darling	306-06-336	17032 S. 27th Place	SFR	Y	4/1/2016	\$45
26	7-11472	Michael & Michelle Moore	306-06-283	2705 E Redwood Lane	SFR	Y	4/1/2016	\$40
27	7-11474	Michael & Kathy DeLos	300-05-613	17026 S. 27th Ave tele: 480.460.6279	SFR	Y	4/1/2016	\$45
28	7-11477	Mehdi Derakhshandeh	306-06-323	2702 E Redwood Lane	SFR	Y	4/1/2016	\$42
29	7-11480	Michael DiGoia	306-06-278	2725 E Redwood Lane	SFR	Y	4/1/2016	\$41
30	7-11481	Robert & Candice Diaz	300-04-051, 300-04-002D	4543 W Ivanhoe St.	SFR	N	4/1/2016	\$3
31	7-11485	Ferid & Rushije	300-05-597	2759 W Cedarwood Lane	SFR	Y	4/1/2016	\$69
32	7-11486	Michael Dostall & Hollu Costein	306-06-316	2634 E Redwood Lane	SFR	Y	4/1/2016	\$40
33	7-11487	Scott Downey	300-05-674	3105 W Cedarwood Lane	SFR	Y	4/1/2016	\$48
34	7-11489	Maria Dunker	306-06-337	17028 S. 27th Place	SFR	Y	4/1/2016	\$51
35	7-11492	Edwards Paul F/Melanie A	300-03-018F, 300-03-018G	11202 S. 59th Ave.	SFR / Business	N	4/1/2016	\$3
36	7-11498	Carlton Prpoerty Management LLC	306-06-285	2659 E Redwood Lane	SFR	Y	4/1/2016	\$46
37	7-11499	Wild Paw Enterprises, Llc	300-02-021F	8444 S. 61st Ave	SFR	Y	12/31/2016	\$4
38	7-11501	Flores Ruben & Sylvia O	103-25-228	6134 W Belleview St	SFR	Y	4/1/2016	\$12
39	7-11502	Michael Foerst	300-02-021H	6104 W. Dobbins	SFR	N	4/1/2016	\$3
40	7-11503	Venkateswara Kottapalli	306-06-296	2615 E Redwood Lane	SFR	Y	4/1/2016	\$50

**CONFORMED**

<b>TP Attachment 470-3 Acquisition/Relocation Status Report</b>								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
41	7-11507	Shaun & Margaret Ford	300-05-616	17017 S. 27th Ave	SFR	Y	4/1/2016	\$62
42	7-11509	Jaime Fox	306-06-276	2733 E Redwood Lane	SFR	Y	4/1/2016	\$44
43	7-11510	Roseann Fox	306-06-311	2614 E Redwood lane	SFR	Y	4/1/2016	\$47
44	7-11511	James & David Franchini	306-06-277	2729 E Redwood Lane	SFR	Y	4/1/2016	\$44
45	7-11512	Foreclosure Support Services LLC & Focus One LLC	306-06-288	2647 E Redwood Lane	SFR	Y	4/1/2016	\$47
46	7-11516	Granado Luz Adriana	104-57-051	6201 W Encinas ST	SFR	Y	3/1/2017	\$25
47	7-11517	Granados	103-25-013	6002 W Belleview St	SFR	Y	4/1/2016	\$14
48	7-11519	Sharon Sauls	306-06-312	2618 E Redwood Lane	SFR	Y	4/1/2016	\$47
49	7-11520	Charlie Hamilton & Debora Pinkham	300-04-021G	4607 W Sandy Rd	SFR	N	4/1/2016	\$2
50	7-11521	Al & Pam Hare	300-07-003M	4910 W Dusty Lane	SFR	N	4/1/2016	\$6
51	7-11522	Felipe N. Oblea and Erika Gallardo De Negrete,	104-57-239	4227 S 61st Ave	SFR	Y	3/1/2017	\$18
52	7-11526	Dianne Hannel	306-06-279	2721 E Redwood Lane	SFR	Y	4/1/2016	\$43
53	7-11527	Robert Henson	306-06-289	2643 E Redwood Lane	SFR	Y	4/1/2016	\$45
54	7-11530	Hernandez Ricardo Serna	103-25-227	6138 W Belleview St	SFR	Y	4/1/2016	\$11
55	7-11531	Higareda Octavio/Maria	103-25-017	6022 W Belleview St	SFR	Y	4/1/2016	\$17
56	7-11532	Hoffman Sandra	104-57-076	6202 W Encinas Ln	SFR	Y	3/1/2017	\$22
57	7-11533	Hogan Kenneth Lee & Patricia Kay	104-86-001T	6124 W Baseline Rd	SFR	Y	4/1/2016	\$3
58	7-11534	Martinez	104-86-002T	6016 W. Vineyard	SFR	N	10/1/2016	\$5
59	7-11536	Hrabowy	103-25-023	1150 N. 61st Ave	SFR	N	10/1/2016	\$11
60	7-11539	Jay & Joan Isabel	306-06-287	2651 E Redwood Lane	SFR	Y	4/1/2016	\$42
61	7-11540	Fida Janwari	300-05-601	2743 W Cedarwood Lane	SFR	Y	4/1/2016	\$49

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
62	7-11543	Jo Ann Kulik Costa / Trustee of the Jo Ann Kulik Trust	300-04-022D	4503 W Sandy Rd	SFR	N	10/1/2016	\$1
63	7-11544	Alan Johnson & Meehee Jang	300-05-600	2747 E Cedarwood Lane	SFR	Y	4/1/2016	\$63
64	7-11545	Judi John & Jill Johnson	306-06-274	2741 E Redwood	SFR	Y	4/1/2016	\$44
65	7-11550	Home Away From Home Invs LLC	306-06-303	17018 S. 26th St	SFR	Y	4/1/2016	\$54
66	7-11552	Zakaullah Khagyani	306-06-335	2750 E Redwood Lane	SFR	Y	4/1/2016	\$49
67	7-11553	Kenneth C. Kilgore, Jr. and Machele Kilgore,	104-57-238	4232 S. 61st Avenue	SFR	Y	3/1/2017	\$22
68	7-11554	Kloeber Family Trust	300-03-019D	12722 S. 51st Avenue	SFR / Business	N	4/1/2016	\$1
69	7-11556	Troy Koile	300-04-002B	14405 S. 45th Ave	SFR	Y	6/1/2016	\$1
70	7-11557	Janet Kropiewnicki Declaration of Trust	306-06-310	2610 E Redwood Lane	SFR	Y	4/1/2016	\$41
71	7-11559	L&J Holdings LLC	300-05-700	3117 W Cedarwood Lane	SFR	Y	4/1/2016	\$50
72	7-11560	Jason Laferriere & Jennifer Andersen	306-06-314	2626 E Redwood Lane	SFR	Y	4/1/2016	\$42
73	7-11562	Felipe De Jesus Arellano Lamas & Marisela Rodriguez De Arellano	300-04-021H	4608 W Ivanhoe	SFR	N	4/1/2016	\$7
74	7-11565	Walter Lay	300-04-021A	4601 W Sandy Rd	SFR	N	4/1/2016	\$0.49
75	7-11566	Bailey, Colette	104-57-077	6201 W Southgate Ave	SFR	Y	3/1/2017	\$25
76	7-11570	Chia Lan Li	306-06-315	2630 E Redwood Lane	SFR	Y	4/1/2016	\$47
77	7-11579	Michael & Hanna LoGrasso	306-06-318	2644 E Redwood Lane	SFR	Y	4/1/2016	\$37
78	7-11580	Brian & Ellen Loehnis	300-04-002E	14428 S. 45th Ave	SFR	N	4/1/2016	\$2

**CONFORMED**

<b>TP Attachment 470-3 Acquisition/Relocation Status Report</b>								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
79	7-11581	Sonny Loh	306-06-284	2701 E Redwood Lane	SFR	Y	4/1/2016	\$46
80	7-11582	Lopez Melissa D/Bravo Alan R	104-57-025	6201 W Wood St	SFR	Y	3/1/2017	\$24
81	7-11583	Lopez Pedro & Veronica N	103-25-021	6040 W Belleview St	SFR	Y	4/1/2016	\$12
82	7-11584	Cali Beach Bound	300-05-606	17023 S. 27th Drive	SFR	Y	4/1/2016	\$63
83	7-11586	Jeto, Llc	103-25-018	6026 W Belleview St	SFR	Y	4/1/2016	\$74
84	7-11589	Maricopa Rentals Limited Partnership	104-57-050	6202 W Wood St	SFR	Y	3/1/2017	\$26
85	7-11591	Desiderio & Kathryn Marquez	300-04-003J, 300-04-003K	4535 W Ray Rd	SFR / Well	Y	6/1/2016	\$2
86	7-11593	Jessica Martin & Matthew Gage	306-06-290	2639 E Redwood Lane	SFR	Y	4/1/2016	\$46
87	7-11594	Philip Martin	300-05-604	17020 S. 27th Drive	SFR	Y	4/1/2016	\$56
88	7-11595	Northhold LLC	103-25-225	6146 W Belleview St	SFR	Y	4/1/2016	\$10
89	7-11596	Lisa & Lucio Martinez	306-06-273	2745 E Redwood Lane mailing: 1772 S. Comanche Dr. Chandler 85286	SFR	Y	4/1/2016	\$42
90	7-11597	Olivera	103-25-226	6142 W Belleview St	SFR	Y	4/1/2016	\$11
91	7-11598	Robert & Frances Martinez	306-06-297	2611 E Redwood Lane	SFR	Y	4/1/2016	\$42
92	7-11601	Sharon McCauley Revocable Living Trust	306-06-265	17029 S. 27th Place	SFR	Y	4/1/2016	\$47
93	7-11603	Mike & Bertha Melendez	300-04-018	4338 W Galveston	SFR	N	10/1/2016	\$3
94	7-11605	Michael & Nancy Middleton	306-06-329	2726 E Redwood Lane	SFR	Y	4/1/2016	\$59
95	7-11608	Thomas & Billie Moffit. Moffit Living Trust	300-05-603	17016 S. 27th Drive	SFR	Y	4/1/2016	\$46
96	7-11609	Nick & Ester Nacopoulos	306-06-291	2635 E Redwood Lane	SFR	Y	4/1/2016	\$43



**CONFORMED**

<b>TP Attachment 470-3 Acquisition/Relocation Status Report</b>								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
97	7-11610	Moss Michael L/Kathy A	104-86-001R	7221 S. 61st Dr	SFR	N	5/1/2016	\$2
98	7-11611	Moss Michael L/Kathy A	104-86-001P		Vacant	N	5/1/2016	\$2
99	7-11613	Laura Nava,	104-57-236	4239 S. 61st Avenue	SFR	Y	3/1/2017	\$26
100	7-11618	Harold & Crystal Nelson, Trustees of the Harold & Crystal Nelson Revocable Trust	300-04-024A	14910 S. 43rd Ave	SFR	Y	6/1/2016	\$3
101	7-11619A	Arthur & Carmina Nephew (Parcel 1)	300-04-028J	15004 S. 43rd Ave	SFR	N	4/1/2016	\$1
102	7-11619B	Arthur & Carmina Nephew (Parcel 2)	300-04-028K	15004 S. 43rd Ave	SFR	N	4/1/2016	\$1
103	7-11620	Roy New Successor Trustee of the New Family Irrevocable Trust	300-04-003C	4631 W Ray Rd	SFR / Well	N	4/1/2016	\$2
104	7-11623	Patricia Nichols	306-06-295	2619 E Redwood Lane	SFR	Y	4/1/2016	\$42
105	7-11624	Noli Pete A & Maryann	300-02-021E	6130 W Dobbins Rd	SFR	N	4/1/2016	\$3
106	7-11625	Nunez Juana Ortega	103-25-014	6008 W Belleview St	SFR	Y	4/1/2016	\$17
107	7-11627	Lewis Okert	306-06-334	2746 E Redwood Ln	SFR	Y	4/1/2016	\$46
108	7-11631	Amie Mendoza aka Amie Otis, John Reynolds aka John Charles	306-06-299	SFR 17011 S. 26th St	SFR	Y	4/1/2016	\$42
109	7-11632	Gold Mountain Legacy LLC	306-06-308	2602 E Redwood Lane	SFR	Y	4/1/2016	\$32
110	7-11633	Freo Arizona LLC	300-05-608	17015 S. 27th Drive	SFR	Y	4/1/2016	\$56
111	7-11636	Enrique Pena	300-04-017Y	4410 W Galveston St	SFR	N	4/1/2016	\$3
112	7-11637	Perez Felipe/Lucia M	104-57-023	6206 W Pueblo Ave	SFR	Y	3/1/2017	\$29
113	7-11638	Guadalupe Perez	103-25-015	6012 W Belleview St	SFR	Y	4/1/2016	\$15

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
114	7-11641	Pina-Benitez (Javier & Rogelio Robles)	103-25-224	1218 N. 62nd Ave	SFR	N	10/1/2016	\$14
115	7-11642	Pino Horacio V	103-25-007	5918 W Belleview St	SFR	Y	4/1/2016	\$15
116	7-11643	Dennis & Cheryl Porter / Living trust	300-05-667	3044 W Cedarwood Lane	SFR	Y	4/1/2016	\$80
117	7-11647	Felicia Molina	103-25-009	5926 W Belleview St	SFR	Y	4/1/2016	\$17
118	7-11648	Denaye & Chad Beckler	306-06-300	17015 S. 26th St	SFR	Y	4/1/2016	\$47
119	7-11650	Eleazar & Guadalupe Ramirez; Ernesto Ramirez	300-04-054	14800 S. 45th Ave	SFR	Y	6/1/2016	\$2
120	7-11651	Ty Ramotarsingh & Pamela Connell	300-05-610	17014 S. 27th Ave	SFR	Y	4/1/2016	\$45
121	7-11653	Redwood Holdings LLC	306-06-319	2648 E Redwood Lane	SFR	Y	4/1/2016	\$50
122	7-11655	Salgado	103-25-012	5942 W Belleview St	SFR	Y	4/1/2016	\$14
123	7-11656	Sean Brooks	300-05-607	17019 S. 27th Drive	SFR	Y	4/1/2016	\$59
124	7-11660	Gary & Kelley Roberts	300-05-612	17022 S. 27th Ave	SFR	Y	4/1/2016	\$31
125	7-11661	Gonzalez	103-25-232	6118 W Belleview St	SFR	Y	4/1/2016	\$17
126	7-11662	Robles Pedro Casas	103-25-233	6114 W Belleview St	SFR	Y	4/1/2016	\$10
127	7-11663	Cecilia Rocha & Michael Hestrin	306-06-282	2709 E Redwood Lane	SFR	Y	4/1/2016	\$42
128	7-11672	SS 1 Holding - 2 LLLP,	104-57-237	4235 S. 61st Avenue	SFR	Y	3/1/2017	\$23
129	7-11677	Timothy Schaetz	306-06-272	2749 E Redwood Lane	SFR	Y	4/1/2016	\$41
130	7-11678	Yadimira Espinobarros	306-06-293	2627 E Redwood Lane	SFR	Y	4/1/2016	\$50
131	7-11679	Ray & Carol Schumacher	300-05-677	3104 E Cedarwood	SFR	Y	4/1/2016	\$72
132	7-11680	Louisa & Gaudalupe Garcia	306-06-324	2706 E Redwood Lane	SFR	Y	4/1/2016	\$49
133	7-11681	Sepulveda Silvano	103-25-231	6122 W Belleview St	SFR	Y	4/1/2016	\$11

**CONFORMED**

<b>TP Attachment 470-3 Acquisition/Relocation Status Report</b>								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
134	7-11685	Reese & Laura Shirley	300-05-611	17018 S. 27th Ave	SFR	Y	4/1/2016	\$48
135	7-11687	Ana Ramirez	103-25-022	1134 N 61st Ave	SFR	Y	4/1/2016	\$6
136	7-11689	Simons Daniel L & Marcia L	103-25-005	1202 N 59th Ave	SFR	Y	4/1/2016	\$10
137	7-11690	Gurmukh Singh & Jasvinder Kaur	306-06-298	2607 E Redwood Lane	SFR	Y	4/1/2016	\$44
138	7-11693	C.A. Smith	103-25-006	5912 W Belleview St	SFR	Y	4/1/2016	\$14
139	7-11694	Sorto Jose/Gallardo Maria J	104-86-001S	7407 S 61st Dr	SFR	N	4/1/2016	\$2
140	7-11697	John Spearnock	306-06-306	17006 S. 26th St	SFR	Y	4/1/2016	\$43
141	7-11698	Joshua & Misty Rooney	306-06-320	2652 E Redwood Lane	SFR	Y	4/1/2016	\$51
142	7-11703	Justin Tai	306-06-292	2631 E Redwood Lane	SFR	Y	4/1/2016	\$40
143	7-11706	Laura Gonzales & Estuardo Calderon	300-04-017H	4421 W Monterey St	SFR	N	10/1/2016	\$3
144	7-11707	Tione LLC	306-06-332	2738 E Redwood Lane Mailing: 2431 E Goldenrod St. Phoenix 85048	SFR	Y	4/1/2016	\$45
145	7-11709	Romero Reyna Viridiana Amparano	103-25-020	6036 W Belleview St	SFR	Y	4/1/2016	\$18
146	7-11710	Tri-Ranch Properties LLC	103-25-011	5936 W Belleview St	SFR	Y	4/1/2016	\$15
147	7-11711	Shayne Steven Tuchfarber	306-06-301	17019 S. 26th St	SFR	Y	4/1/2016	\$40
148	7-11719	Marvin & Gwendolyn Spencer	103-25-004	1208 N 59th Ave	SFR	Y	4/1/2016	\$14
149	7-11721	Larry Veasley	306-06-330	2730 E Redwood Lane	SFR	Y	4/1/2016	\$49
150	7-11722	David Sanchez	103-25-008	5922 W Belleview St	SFR	Y	4/1/2016	\$17
151	7-11723	Victoria Jesus/Loeza Lorena	103-25-016	6016 W Belleview St	SFR	Y	4/1/2016	\$15
152	7-11724	Richard & Teresa Villa	300-04-053	14600 S. Dusty Lane	SFR	Y	6/1/2016	\$3

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
153	7-11725	Timaree Murphy / Vlasak	306-06-281	2711 E Redwood Lane	SFR	Y	4/1/2016	\$43
154	7-11726	John Vukmanovic	306-06-266	17033 S. 27th Place	SFR	Y	4/1/2016	\$48
155	7-11729	Christa Waltersdorf	306-06-321	2656 E Redwood Lane	SFR	Y	4/1/2016	\$40
156	7-11730	Wen & Liju Wang	306-06-313	2622 E Redwood Lane	SFR	Y	4/1/2016	\$47
157	7-11733	Gary & Sherry Woodring	306-06-302	17022 S. 26th St	SFR	Y	4/1/2016	\$52
158	7-11735	Stephen & Ellen Zalecki	300-04-021C	4545 W Sandy Lane Dr	SFR	N	4/1/2016	\$2
159	7-11736	Jose Zamora & Cindy Linares	306-06-304	17014 S. 26th St	SFR	Y	4/1/2016	\$43
160	7-11738	Torrez/Sanchez	104-86-003	6139 W. Vineyard	SFR	N	9/1/2016	\$68
161	7-11786	Daniel C. Kohn	300-03-016F	5919 West Elliot Road	SFR	Y	6/1/2016	\$5
162	7-11911	Boyd & Brianna Johnson	300-05-617	17013 S 27th Ave	SFR	Y	4/1/2016	\$74
163	7-11912	John and Sharon Cochran	300-05-697	16913 S. 32nd Lane	SFR	Y	6/1/2016	\$8
164	7-10784-A	Berendo Property GP, et al	104-19-003A, 104-19-003D, 104-19-003C	435 S. 59th Ave	Warehouse complex	N	8/1/2017	\$3
165	7-11184	Mountain Park Church	301-70-009N, 301-70-009P	2408 E Pecos Rd	Church	N	3/1/2018	\$14
166	7-11323	ADC-Ridge at Sun Valley, LLC	103-28-004	801 N. 59th Avenue	Apartments	N	10/1/2016	\$30
167	7-11369	Union Pacific Railroad	NA	Tracks	Railroad	N		\$0
168	7-11369-S1	Clearchannel Billboard sign	N/A	UPRR ROW	Billboard Sign	N	6/1/2016	\$0
169	7-11407	Bureau of Land Management	NA	River Bottom	River Bottom	Y	12/31/2016	\$0
170	7-11410	40th St & Pecos Road LLC	301-69-030J		Commercial	N		\$15
171	7-11411	5879 Van Buren LLC	104-04-020	5879 W Van Buren St	Circle K	N	4/1/2016	\$61
172	7-11411-S1	CBS Billboard sign	104-04-020	5879 W Van Buren St	Billboard Sign	N	7/1/2016	\$0
173	7-11416	Alexander & Clayton, LLC,	104-19-009E	827 S. 59th Avenue	Semi Truck Repair	N		\$0

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
174	7-11418	Apodaca Wall Systems Inc	104-19-004E	5740 W Buckeye Rd	Manufacturing	N		\$17
175	7-11419	Adrian & Ernestina Argon	300-04-052	47th Ave & Monterey Rd	Vacant	N	11/1/2016	\$1
176	7-11420	Arizona Sand & Rock Co	104-72-003B	5601 S 63rd Ave	River Bottom	N		\$1
177	7-11421	State of AZ (ASLD)	300-96-374A, 300-96-375A, 300-96-376, 300-96-377A, 300-96-378, 300-96-379A, 300-96-379B		Vacant	Y	12/1/2016	\$3
178	Not used							
179	7-11426	Azejm Land Holdings LLC	103-27-061	1202 N 54th Ave	Warehouse	N	5/1/2017	\$25
180	7-11434	BBC Phoenix LLC	300-04-013E, 300-04-015X		Vacant	Y	4/1/2016	\$10
181	7-11438	Blue Beacon International Inc	103-27-062A	1235 N 57th Ave	Truck Wash	N	6/1/2015	\$10
182	7-11438-S1	CBS Billboard sign	103-27-062A		Billboard Sign	N	7/1/2016	\$0
183	7-11443	Cach Holdings LLC	300-04-011A		Vacant	Y	12/1/2016	\$3
184	7-11445	Calabrea Homeowners Assoc.	300-05-739, 300-05-740, 300-05-741, 300-05-750, 300-05-751		Common Area HOA	N	6/1/2016	\$5
185	7-11450	Marcelino Corona Sanchez & Micaela Vasquez	300-04-025A	15000 S. 43rd Ave	Vacant / well on parcel 2	Y	4/1/2016	\$1
186	7-11451	Mark Clouch dba Mark_L Assoc. Profit Sharing Plan	300-05-004F	14645 S. 4th Ave	Vacant	Y	4/1/2016	\$1
187	7-11453	John and Sharon Cochran	300-05-664	3053 W Redwood Lane	Vacant	Y	4/1/2016	\$13
188	7-11455	Buckeye 59th Avenue, LLC	104-05-009	2 N 59th Ave	Commercial Bldg	N		\$8
189	7-11459	Copper State Rubber of Arizona	104-18-004L, 104-18-004M, 104-18-008, 104-18-009, 104-18-010	740 S 59th Ave	Manuf Facility	N	5/1/2018	\$23

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
190	7-11461	Country Gardens Educational Services, LLC (charter school)	104-82-001C, 104-82-026	6313 W. Southern Ave	Commercial	N		\$9
191	7-11466	Dairy 51.8 LLC	300-02-021K, 300-02-021L, 300-02-021M	61st Ave. & Dobbins Rd.	Dairy farm	Y	12/31/2016	\$3
192	7-11469	Sharon and Emily Goldman Co-Trustees of Trust	301-70-009E, 301-70-012G	2508 E Pecos Rd & 2702 E Pecos Rd	Vacant	N		\$0.09
193	7-11470	DBJ Buckeye 5800, L.L.C	104-19-007C, 104-19-008C, 104-19-009D, 104-19-006A	845 S. 59th Ave	Truck Repair	N		\$200
194	7-11473	DW Homebuilding Corp successor to Del E. Webb	311-02-704		Vacant	N		\$2
195	7-11475	Steven & Christine Danielson	300-04-048	14910 S. 43rd Ave	Vacant	N		\$0
196	7-11476	Denio's Roseville Farmers Market and Auction, Inc	104-05-004Z	224 N. 59th Ave	Storage Yard	N	4/1/2016	\$8
197	7-11478	DNZ Holdings LLC	104-72-003H	6024 W. Southern Ave	Machinery sales/service	Y	12/31/2016	\$4
198	7-11483	Lennar AZ	311-02-708		Vacant	N		\$0.21
199	7-11484	Dolphin Inc	104-05-001J, 104-05-011, 104-05-010B, 104-05-005A, 104-18-003N, 104-18-006A, 104-18-004H, 104-18-004S, 104-18-004N, 104-18-015	350 S 59th Ave	Industrial Manufacturing	N	5/1/2018	\$13
200	7-11488	Drexler Enterprises Inc	104-86-001D		AG	N		\$6
201	7-11490	Vivian Durazo; Gregorio Robles; Maria Martinez	300-04-049		Vacant	Y	4/1/2016	\$1

**CONFORMED**

<b>TP Attachment 470-3 Acquisition/Relocation Status Report</b>								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
202	7-11491	Eastgroup	103-27-059,103-27-060	5750 W Roosevelt St	Office/Warehouse suites	N	12/1/2016	\$22
203	7-11494	Erran Gary J/Shai	300-03-016H	10828 South 59th Avenue	Vacant	Y	6/1/2016	\$1
204	7-11495	Estrella Vista Commerce Center	103-25-272	Not Available	Vacant	N		\$9
205	7-11500	59 NKW Properties LLC	104-04-045	249 S 59th Ave	Apache Rentals	N	8/1/2017	\$17
206	7-11504	Foothills Community HOA	300-36-01C, 300-36-011C, 300-36-012C; 300-95-740, 300-95-749; 300-96-484, 300-96-485; 301-78-001C, 301-78-001D	2353 & 2340 & 1545 E Pecos Rd; 1303 W Pecos Rd & 817 E Glenhaven Dr	Well	N	10/1/2016	\$12
207	7-11505	Foothills Mountain Ranch HOA	306-06-253, 306-06-257A, 306-06-258		Common Area HOA	N		\$7
208	7-11506	Foothills Reserve Master Owners Assoc Inc	300-05-496, 300-05-499, 300-05-500	Tract A: 3037 W Shaughnessey Rd Tract E: 17027 S. Coleman St	Common Area HOA	N		\$19
209	7-11508	Foresight Group Holdings I, LLC	104-47-003J		AG - Irrigation	Y	3/1/2017	\$3
210	7-11514	Goldman Ranch HOA	306-06-343, 306-06-344, 306-06-346, 306-06-347	Tract A: 3037 W Shaughnessey Rd Tract E: 17027 S. Coleman St	HOA Common Area	N		\$76
211	7-11515	Gp Southwest	104-18-003G	842 S 59th Ave	Driver Training	N	8/1/2016	\$20
212	7-11515-S1	CBS Billboard sign	104-18-003G	842 S 59th Ave	Billboard Sign	N	7/1/2016	\$0
213	7-11518	Randolph Dean Gross & Beth Deborah Gross Revocable Living Trust	300-05-004D	14801 S. 27th Ave	Vacant	Y	4/1/2016	\$1
214	7-11523	Ampj Hospitality Inc	103-27-028B	1242 N 53rd Ave	Motel	N	6/1/2016	\$49

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
215	7-11524	Headley George Vernon/Dennis Kevin	104-19-004D	5810 W Buckeye Rd	Vacant	N		\$19
216	7-11525	CH Realty VI- WPC	103-26-003E, 103-26-003F, 103-26-003C, 103-26-003B	Not Available	Vacant	N		\$20
217	7-11528	David & Carmen Hernandez	300-05-663	3049 W Redwood Lane	Vacant	Y	4/1/2016	\$10
218	7-11537	Estes/ Glodman Limited Partnership	301-70-009M		Vacant	N	4/1/2016	\$0.04
219	7-11541	Jewel Investment Co	104-04-039, 104-04-40, 104-04-041, 104-04-042	5723 W Washington St	Office Warehou se suites	N	8/1/2017	\$35
220	7-11542	JGZ Properties I LLC	104-18-003C	802 S 59th Ave	Drywall Supplies	N	5/1/2017	\$12
221	7-11546	Laveen Baseline, LLC	300-02-017D, 300-02-017N, 300-02-017P		AG	Y	12/31/2016	\$2
222	7-11547	Jones 80.3 LLC	300-03-011K		AG	N		\$2
223	7-11548	June S Williams Trust/Williams John M Jr	300-02-022A, 300-02-023B, 300-02-023C, 300-02-023D		AG	Y	12/31/2016	\$2
224	7-11549	JV Radfam LLC	104-04-012B	3 S 59th Ave	Commer cial Bldg	Y	4/1/2016	\$16
225	7-11558	KS LLC	300-03-016E		AG	Y	4/1/2016	\$2
226	7-11561	Lakewood Community Association	301-70-007C, 301-79-006T, 301-79-008H, 301-79-008J, 301-79-008K		Well / HOA	N		\$91
227	7-11564	Lark Group LLC	104-05-004B	110 N 59th Ave	Commer cial Bldg	N		\$35
228	7-11564- S1	CBS Billboard sign	104-05-004B		Billboard Sign	N		\$0
229	7-11571	Liberty Fuel	103-27-009, 103-27-010, 103-27-058	1201 S. 59th Ave.	Truck Stop	N	10/1/2016	\$33
230	7-11571- S1	Clearchannel Billboard sign	103-27-058	1201 S. 59th Ave.	Billboard Sign	N	4/1/2016	\$0
231	7-11574	Lines Brothers Farms LLC	104-86-001B		AG	N	4/1/2016	\$1



**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
232	7-11575	Lines Brothers Land & Cattle LLC	104-86-002H	6015 W. Vineyard	AG	Y	12/31/2016	\$2
233	7-11576	Lines (family)	300-03-019G, 300-03-20A, 300-03-023F; 300-07-002B, 300-07-010D, 300-07-011	12432 S. 51st Avenue	AG	Y	12/1/2016	\$1
234	7-11578	Lines, John Westin	300-03-019C	5141 W. Estrella Drive	AG	N	4/1/2016	\$1
235	7-11585	Denny Elwell Family LC	104-05-021	5925 W. Van Buren	Ice Plant/warehouse	N		\$229
236	7-11585-S1	Molina billboard sign	104-05-021	5925 W. Van Buren	Billboard Sign	N		\$0
237	7-11599	Massey	104-26-007C, 104-26-003Y	1401 S. 59th Ave	Truck Repair	N		\$56
238	7-11600	Matmon LLC	300-04-011D, 300-04-013G, 300-04-015D, 300-04-015J, 300-04-015K		Vacant	N	7/1/2016	\$0.26
239	7-11607	Mival LLC	104-18-003E, 104-18-003F	5902 W Buckeye Rd	Storage Yard	N		\$5
240	7-11607-S1	CBS Billboard sign	104-18-003F	5902 W Buckeye Rd	Billboard Sign	N		\$0
241	7-11616	Nathan Family Trust / Stephen & Martha Nathan	300-07-003F	14801 S 27th Ave	Vacant	N	4/1/2016	\$3
242	7-11617	National Christian Foundation Real Estate Inc	300-05-004E	14801 S 27th Ave	Vacant	Y	4/1/2016	\$1
243	7-11621	Newport Group 22 LLC	104-47-003C, 104-47-003D, 104-47-003K	3450 S 59th Ave	AG - Irrigation	Y	3/1/2017	\$3
244	7-11622	The Newport Group 37, L.L.C.	104-47-001A	6235 W Lower Buckeye Road	AG - Irrigation	N	7/1/2016	\$1
245	7-11630	Osprey LLC	301-78-962B		Vacant	N		\$1
246	7-11634	JMD Hospitality, LLC	103-27-029B	1241 N 53rd Ave	Motel	N	6/1/2016	\$114
247	7-11634-S1	Clearchannel Billboard sign	103-27-029B	1241 N 53rd Ave	Billboard Sign	N	4/13/2016	\$0
248	7-11635	Pecos Professional Plaza, LLC	301-69-030M	16611 S 40th St	COMMERCIAL	N		\$0

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
249	7-11639	Phoenix City Of	300-02-017M		AG	N		\$0.04
250	7-11640	City of Phoenix	300-07-003L	4847 W Dusty Lane	Vacant	N	5/12/2016	\$6
251	7-11644	Glen Zilly	300-05-668	3040 W Cedarwood Lane	Vacant	Y	4/1/2016	\$12
252	7-11645	Property Reserve Arizona LLC	104-38-001, 104-38-002A, 104-38-003A 104-27-001B	6103 W Buckeye Rd	AG & recycle yard	Y	3/1/2017	\$2
253	7-11646	SRP	104-47-002E, 104-47-002F		Sub Station	Y	3/1/2017	\$5
254	7-11649	Ram Bull, LLC	104-19-009B, 104-19-009C	811 S. 59th Avenue	Semi Truck Repair	N		\$0
255	7-11652	Randal Allan DeMore Trust et al	104-18-004B 104-18-004Q	424 S 59th Ave	Auto Wrecking Yard	N	8/15/2016	\$9
256	7-11654	Rexco LLC	104-81-001C		AG	Y	12/31/2016	\$2
257	7-11657	Rio Del Rey Homeowners Association	parcel 1 104-57-230, 104-57-231, 104-57-232; parcel 2 104-57-489, 104-57-490, 104-57-491, 104-57-494	6144 W Broadway Rd	Comm Area - HOA	Y	3/1/2017	\$1
258	7-11658	RMV Properties LLP	104-04-010, 104-04-011	125 S. 59th Ave.	Vacant	Y	4/1/2016	\$5
259	7-11666	Roosevelt Irrig Dist	104-04-002B	59th Ave & Van Buren	Well	N		\$2,000
260	7-11667	Rovala Kari/Marja	104-04-012A	N. 59th Ave.	Vacant	Y	4/1/2016	\$5
261	7-11669	Ryder Truck Rental Inc	103-27-017B, 103-27-018, 103-27-019, 103-27-020, 103-27-021B	1239 N 56th Ave	Truck Rentals	N	10/30/2017	\$43
262	7-11670	APS, SRP, et.al.	300-03-023A, 300-04-011C, 300-04-013D, 300-04-013F, 300-04-014A		Vacant (pwr poles)	N		\$0
263	7-11671	BRS Properties, LLC	103-30-293A	5152 W Latham St	Hotel	N		\$12
264	7-11673	Salt River Pima-Maricopa Indian Comm	104-72-002A, 104-72-003E	6204 W Southern Ave	Sand/Rock operation	N	4/1/2017	\$0.41

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
265	7-11673-S1	Salt River Pima-Maricopa Indian Comm	104-72-002A, 104-72-003E	6204 W Southern Ave	Billboard Sign	N		\$0
266	7-11675	San Riva Madison Ownership Company, LLC	301-85-648	2155 E Liberty Lane	Condos Common Area	N		\$7
267	7-11676	Harry Sanaski	300-04-003H		Vacant/Well	N	10/15/2015	\$1
268	7-11683	Sherwood Walter L	104-38-003C, 104-38-003D	2402 S 59th Ave	Semi-trailer storage	N	10/25/2016	\$7
269	7-11683-S1	Clearchannel billboard sign	104-38-003C	2402 S 59th Ave	Billboard Sign	N	1/20/2016	\$0
270	7-11686	Sierra Foothills Condominium Assoc	300-96-706	2048 E Muirwood Dr	COMMERCIAL	N		\$161
271	7-11691	SJW Land Company	104-04-013, 104-04-014, 104-04-015, 104-04-018	1 N 59th Ave	Refr. Warehouse	N	12/12/2018	\$41
272	7-11692	Smith Clyde David/Marsha Lou Tr	300-03-012A, 300-03-014		AG	N		\$1
273	7-11695	Southern Cross LLC	103-28-001G, 103-28-001H, 103-28-002A, 103-28-002B, 103-29-002E, 103-29-002F	777 N 59th Ave	AG	N		\$3.5
274	7-11695-S1	Molina billboard sign	103-28-001G		Billboard Sign	N	1/20/2016	\$0
275	7-11695-S2	CBS Billboard sign	103-28-001G		Billboard Sign	N		\$0
276	7-11695-S3	CBS Billboard sign	103-28-001G		Billboard Sign	N		\$0
277	7-11696	Southwest Village Apartments LLC	103-28-003K	777 N 59th Ave	Apartments	N	8/14/2018	\$29
278	7-11700	Sun Belt Linens Inc	104-05-004X, 104-05-004Y	6025 W. Van Buren	Comm/Ind Building	N		\$743
279	7-11701	Sun Valley Investment Partnership	104-05-001Q	202 N. 59th Avenue	Commercial Bldg	N		\$221
280	7-11704	Taylor Morrison / Arizona, Inc	300-03-002A, 300-03-032, 300-03-037, 300-03-021		AG	Y	4/1/2016	\$2

**CONFORMED**

<b>TP Attachment 470-3 Acquisition/Relocation Status Report</b>								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
281	7-11708	Toro Grande LLC	104-04-513	5825 W Van Buren St	Ross Equip Rental	N	10/25/2016	\$17
282	7-11714	U S A Tr /For Gila Riv Indian Com/	300-03-018B	3801 E Pecos Rd	Well	N	10/30/2017	\$0
283	7-11716	Union Rock & Materials Co	104-65-001, 104-65-002D, 104-65-004B, 104-65-002C	4802 S 59th Ave	River Bottom	Y	3/1/2017	\$0.49
284	7-11718	USPS	300-96-657	16825 S Desert Foothills Pkwy	COMME RCIAL	N		\$20
285	7-11720	V A H LLC	103-27-011B	1236 N 57th Ave	Parking Lot	N	2/8/2016	\$16
286	7-11727	Waffle House Inc	103-27-007E	1237 N 59th Ave	Restaura nt	N	9/2/2016	\$28
287	7-11731	West Valley Storage Solutions LLC	103-27-027C	1239 N 54th Ave	Mini - Storage	N	10/30/2017	\$18
288	7-11732	Paul & Shelley Wiest	300-05-662	3045 W Redwood Lane	Vacant	Y	4/1/2016	\$11
289	7-11740	David Olivarez & Jack Strong. Jack Strong Revocable Trust	300-07-003R		Vacant	Y	4/1/2016	\$3
290	7-11755	Rimex, Inc., a Nevada corporation	104-04-035	5801 W. Van Buren	Commer cial Bldg.	N	8/18/2016	\$20
291	7-11756	Southwest Village Investments I, LLC	103-28-003J	N/A	vacant	N	3/21/2016	\$6
292	7-11758	City of Phx / Sth. Mtn Park	300-04-001, 300-07-001A, 300-07-001B, 300-07-003G, 300-07-003J, 300-07-003N, 300-07-005B, 300-07-010B, 300-07-017D, 300-07-022, 300-07-024, 25' easement north of 300-07-003G		Vacant	Y	12/1/2016	\$2
293	7-11759	SRP	103-30-003G	N/A	USA Fee	N		\$0
294	7-11759-S1	Clearchannel Billboard sign	103-30-003G		Billboard Sign	N	1/28/2016	\$0

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
295	7-11764	D & K Partners L.L.C.	104-04-031	5701 W. Van Buren	Truck Servicing	N		\$16
296	7-11766	Bureau of Reclamation	300-03-001A		Irrig facility	N		\$0
297	7-11773	Foothills Club West Comm Assoc	300-97-470, 300-97-476		Vacant / HOA	N		\$1
298	7-11781	P J J BROS LLC	103-30-308, 103-30-293B	5102 W Latham St	Greenbelt/Landscape area	N		\$41
299	7-11784	Foothills Reserve Master Owners Assoc Inc	300-05-641, 300-05-642, 300-05-644	17014 S. 27th Lane (Tract A) & 2720 W Briarwood Terrace (Tract B)	Common Area HOA	N		\$1
300	7-11787	Maricopa County Community College District	301-69-030N	2411 W 14th St	COMMERCIAL	N		\$11
301	7-11790	Williams Estate/Williams Trust	300-02-030	6304 W Dobbins Rd	AG	N		\$50
302	7-11835	Roosevelt Irrigation District	NA	R.I.D. Canal	Irrigation canal	N		\$0.05
303	7-11904	John R. Shelton	104-72-003D	N/A	Well Site	N		\$92
304	7-11905	City of Phoenix	300-97-326		Pumping Station	N		\$14
305	7-11909	Taylor Morrison Az Inc	300-04-014B, 300-04-016, 300-05-003B, 300-05-004C & part of 300-05-006B		Vacant	Y	12/1/2016	\$3
306	7-11913	City of Phoenix	300-04-017V, 300-04-050	14717 S 45th Ave	Vacant	N	11/26/2015	\$1
307	7-11915	City of Phoenix	306-02-853	17010 S 40th St	Commercial / Park & Ride	N		\$0
308	7-11920	U S A Tr /For Gila Riv Indian Com	300-03-022		Well	N	10/30/2017	\$0
309	7-11921	U S A Tr /For Gila Riv Indian Com	300-03-023E		Well	N	10/30/2017	\$0

**CONFORMED**

<b>TP Attachment 470-3 Acquisition/Relocation Status Report</b>								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
310	7-11922	BLM	NA	Triangular parcel 1/4-mile south of Estrella Drive and west of 51st Avenue	Vacant (pwr poles)	Y	4/1/2016	\$0
311	7-11923	Denio's Roseville Farmers Market and Auction, Inc	104-18-004V	430 S 59th Ave	Truck Trailer Repair	N	9/13/2016	\$11
312	7-11925	Western Refining Wholesale, Inc.,	104-26-008, 104-26-006A	5821 W Buckeye Road	Fuel Depot	N		\$72
313	7-11926	BBC Phoenix LLC	300-05-006B		Vacant	Y	9/1/2016	\$3
314	7-11936	SRP	104-38-004	N/A	Well Site	N		\$0
315	7-11938	Arizona Outdoor Advertisers,	104-39-003G	2555 S 59th Avenue	Billboard	N		\$735
316	7-11939	Massey	104-39-003J	5810 W Lower Buckeye Road	Vacant	N		\$5
317	7-11940	Arizona Becknell Investors 2007 LLC,	104-46-002G	5757 W Lower Buckeye Road	Vacant	N		\$5
318	7-11948	Foresight Group Holdings VI, LLC,	104-47-001B		AG	Y	3/1/2017	\$3
319	7-11949	Foresight Group Holdings II, LLC	104-47-002C		AG	Y	3/1/2017	\$3
320	7-04226	ADOT	NA	Pecos Road surroundings 40th St to 28th St	Vacant	Y	4/1/2016	
321	7-05060	ADOT	NA	Pecos Road surroundings 16th St to 17th Ave	Vacant	Y	9/1/2016	
322	7-05914	ADOT	104-47-002D		AG	Y	3/1/2017	
323	7-05933	ADOT	104-26-009	5737 W Buckeye Rd		Y	4/1/2016	
324	7-06376	ADOT	300-04-003A	4717 W Ray Rd		Y	4/1/2016	
325	7-07169	ADOT	300-07-003K			Y	4/1/2016	

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
326	7-07577	ADOT	previously part of 300-07-001A			Y	4/1/2016	
327	7-09912	ADOT	104-57-001K, 104-57-003B	NA	Vacant	Y	3/1/2017	
328	7-10463	ADOT	300-05-671, 300-05-673, 300-05-701, 300-05-702	3047 W Cedarwood Ln, 3101 W Cedarwood Ln, 17012 S 32nd Ln, 17008 S 32nd Ln	SFR	Y	4/1/2016	
329	7-10465	ADOT	301-79-466	3429 E Cedarwood Ln	SFR	Y	4/1/2016	
330	7-10466	ADOT	301-70-121	2901 E Redwood Ln	SFR	Y	4/1/2016	
331	7-10467	ADOT	301-78-001U	Pecos Road surroundings 24th St to 16th St	Vacant	Y	4/1/2016	
332	7-10489	ADOT	300-05-675	3109 W Cedarwood Ln	SFR	Y	4/1/2016	
333	7-10531	ADOT	301-79-461	3401 E Cedarwood Ln	SFR	Y	4/1/2016	
334	7-10534	ADOT	300-05-670	3043 W Cedarwood Ln	SFR	Y	4/1/2016	
335	7-10535	ADOT	300-05-678	17002 S 31st Ln	SFR	Y	4/1/2016	
336	7-10536	ADOT	300-05-698	17003 S 32nd Ln	SFR	Y	4/1/2016	
337	7-10537	ADOT	300-05-699, 300-05-705	17007 S 32nd Ln / 3209 W Redwood Ln	SFR	Y	4/1/2016	
338	7-10538	ADOT	300-05-703	17004 S 32nd Ln	SFR	Y	4/1/2016	
339	7-10539	ADOT	300-05-704	3205 W Redwood Ln	SFR	Y	4/1/2016	
340	7-10544	ADOT	306-06-325	2710 E. Redwood Ln	SFR	Y	4/1/2016	
341	7-10600	ADOT	104-04-007	210 S 57th Dr	Vacant	Y	4/1/2016	
342	7-10601	ADOT	300-05-676	3108 W Cedarwood Ln	SFR	Y	4/1/2016	
343	7-10605	ADOT	300-05-614	17025 S 27th Ave	SFR	Y	4/1/2016	
344	7-10607	ADOT - Speedco	103-27-062B	5610 W Latham St	Commercial	Y	4/1/2016	
345	7-10612	ADOT - Martinez	104-04-512	5715 W Van Buren St	Vacant	Y	4/1/2016	
346	7-10765	ADOT	300-05-672	3051 W Cedarwood Ln	SFR	Y	4/1/2016	

**CONFORMED**

TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
347	7-10768	ADOT	300-05-609	17011 S. 27th Dr	SFR	Y	4/1/2016	
348	7-10784	ADOT	104-19-003E	445 S 59th Ave	Vacant	Y	4/1/2016	
349	7-10796	ADOT	301-70-115	2925 E Rewood Ln	SFR	Y	4/1/2016	
350	7-10802	ADOT	300-05-666	3048 W Cedarwood Ln	SFR	Y	4/1/2016	
351	7-10803	ADOT	306-06-286	2655 E Redwood Ln	SFR	Y	4/1/2016	
352	7-10804	ADOT	300-05-669	3039 W Cedarwood Ln	SFR	Y	4/1/2016	
353	7-10805	ADOT	301-70-119	2909 E Redwood Ln	SFR	Y	4/1/2016	
354	7-10806	ADOT	301-70-746	3123 E Redwood Ct	SFR	Y	4/1/2016	
355	7-10869	ADOT	306-06-305	17010 S 26th St	SFR	Y	4/1/2016	
356	7-10870	ADOT	300-05-602	17012 S 27th Dr	SFR	Y	4/1/2016	
357	7-10871	ADOT	104-65-003, 104-65-004A, 104-65-002B	4802 S 59th Ave	Vacant	Y	3/1/2017	
358	7-10888	ADOT	300-05-605	17024 S 27th Dr	SFR	Y	4/1/2016	
359	7-10889	ADOT	306-06-271	2753 E Redwood Ln	SFR	Y	4/1/2016	
360	7-10890	ADOT	306-06-327	2718 E Redwood Ln	SFR	Y	4/1/2016	
361	7-10891	ADOT	301-79-455	3247 E Cedarwood Ln	SFR	Y	4/1/2016	
362	7-10892	ADOT	300-05-665	3052 W Cedarwood Ln	SFR	Y	4/1/2016	
363	7-10906	ADOT	104-04-003	5727 W Van Buren St	Vacant	Y	4/1/2016	
364	7-10940	ADOT	306-06-326	2714 E Redwood Ln	SFR	Y	4/1/2016	
365	7-10984	ADOT	301-70-750	3037 E Redwood Ln	SFR	Y	4/1/2016	
366	7-11182	ADOT - La Salvia	300-02-031A, 300-02-032A, 300-02-033, 300-02-034, 300-02-037A, 300-02-037B, 300-02-041, 300-02-042		Agricultural	Y	12/31/2016	
367	7-11316	ADOT	300-02-021G	NA	Vacant	Y	12/31/2016	



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TP Attachment 470-3 Acquisition/Relocation Status Report								
No.	Parcel No.	Owner's Name	APN	Site Address	Property Type	Retained Parcel	Est. Date Parcel Available for Developer's Use	Market Value (\$/sq. ft.)
368	7-11317	ADOT	306-06-317	2640 E Redwood Lane	SFR	Y	4/1/2016	
369	7-11358	ADOT	306-06-270	2757 E Redwood Lane	SFR	Y	4/1/2016	
370	7-11439	ADOT	306-06-309	2606 E Redwood Lane	SFR	Y	4/1/2016	
371	7-11538	ADOT - Inland Kenworth	103-27-049, 103-27-054B, 103-27-054A, 103-27-055	5801 W Latham St	Commercial	N	2/15/2016	
372	7-11699	ADOT	306-06-328	2722 E Redwood Lane	SFR	Y	4/1/2016	
373	7-11702	ADOT	300-04-028L	15030 S 43rd Ave	SFR	Y	6/1/2016	
374	7-11983	Robert D. Guthrie & Judith M. Guthrie	NW corner of 300-04-013G		Vacant	N		

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**TP Attachment 500-1 – Maintenance Table**

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TP Attachment 500-1 Maintenance Table								
Ref.	Element	Performance Requirement	Repair Response		Inspection Method	Inspection Frequency	Measurement Record	Target
			Temporary <sup>1</sup>	Permanent <sup>2</sup>				
<b>1 – Public Appearance</b>								
1.1	Debris and obstructions	Maintain paved surfaces and roadside is free from debris and obstructions that presents a hazard to motorists.	N/A	2 hours for paved surfaces; and 48 hours for other areas.	Visual	Weekly	No debris on travelled way or roadside areas.	100%
1.2	Litter	Maintain Project in neat condition. Remove and dispose of litter regularly.	N/A	1 week, except that significant incidents of litter deposited on paved surfaces require 2 hour response and all other significant incidents of litter on the Project require 48 hour response.	Visual.	Weekly	No more than 20 pieces of litter per mile, visible when travelling at highway speed.	100%
1.3	Sweeping	Maintain all hard shoulders, gore areas, ramps, and Developer maintained frontage roads in swept clean condition. Remove and dispose of all sweepings without stockpiling in the Project ROW. Use only PM-10 certified street sweepers in accordance with South Coast Air Quality Management District Rule 1186.	N/A	1 week for mainline; and 2 weeks for ramps, gores, and frontage roads.	Visual	Weekly	No un-swept areas greater than 24 inches wide or 50 feet in length.	100%
1.4	Graffiti	Maintain all surfaces within the Project ROW free of graffiti.	N/A	24 hours for profanity, areas visible to travelling public and for specific call outs; and 1 week for other graffiti discovered in the course of maintenance activities.	Visual	Monthly	No graffiti within the Project ROW.	100%.
1.5	Irrigated landscaped areas	<p>Maintain all landscaped areas in their originally constructed condition.</p> <p>Landscaped areas are as designated in the Plans.</p> <p>Each of the following must be performed in accordance with the MMP: Perform irrigation system maintenance and maintain irrigation system operation; pruning; insect, disease and pest control; fertilization; and watering.</p> <p>Maintain granite mulch, rock mulch, and decomposed granite areas free of weeds.</p> <p>Undertake a program to eliminate vegetation in pavement or concrete.</p> <p>Begin mowing before vegetation reaches 18 in., if applicable.</p> <p>Maintain backflow preventers in proper operating condition.</p> <p>Remove damaged or dead vegetation. Replacements must occur once survivability is less than the 80% criteria.</p>	N/A	24 hours for irrigation; 1 month for weeds; and 2 months for others.	Visual	Monthly	Inspection records showing compliance.	100%
					Backflow preventers: Specialty Inspection, certified by qualified Specialty Inspector	Annually		100%

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TP Attachment 500-1 Maintenance Table								
Ref.	Element	Performance Requirement	Repair Response		Inspection Method	Inspection Frequency	Measurement Record	Target
			Temporary <sup>1</sup>	Permanent <sup>2</sup>				
1.6	Non-irrigated landscaped areas	<p>Each of the following must be performed in accordance with the MMP: Plant maintenance; pruning; and insect, disease, and pest control.</p> <p>Remove vegetation at intersections, ramps, or other areas to maintain visibility of appurtenances and sight distance.</p> <p>Vegetation does must not encroach into or on paved shoulders, main lines, sidewalks, islands, riprap, traffic barriers, or curbs.</p> <p>A program is undertaken to control weeds.</p> <p>A program to eliminate vegetation in pavement or concrete.</p> <p>Maintain the height of vegetation within 10' of the shoulder between 6 in. and 18 in. Begin mowing before vegetation reaches 18 in.</p> <p>Remove damaged or dead vegetation. Replacements must occur once survivability is less than the 50% criteria.</p>	N/A	3 month	Visual	Monthly	Inspection records showing compliance.	100%
1.7	Landform graphics	<p>Maintain landform graphic areas free from weeds.</p> <p>Maintain consistent granite mulch reveal against all concrete headers/edging. Reveal shall be maintained at ½"-3/4" on both sides of header/edging.</p> <p>Maintain all landform graphic areas free from erosion, rilling, cutting and granite mulch contamination.</p> <p>Remove any contaminated granite mulch and replace in kind with granite mulch as necessary to maintain original design intent (Texture, gradation, color, depth). Maintain color/material separation between areas per original design.</p> <p>Repair any damaged header/edging to maintain original design layout. Replace-in-kind. Repair/replace all warped, sagging, bowing and up-lifting edging material.</p>	N/A	6 months	Visual	Monthly	Inspection records showing compliance.	100%
<b>2 –Pavement</b>								
2.1	Shoulder/Edge drop offs	All roadways must not have vertical drop offs between the shoulder and adjacent unpaved surface.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	1 year	Physical measurement of edge drop-off level compared to adjacent unpaved surface.	Monthly	Repair when: vertical differential between the shoulder and adjacent unpaved surface reaches 2 inches for any 10 foot length.	100%

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TP Attachment 500-1 Maintenance Table								
Ref.	Element	Performance Requirement	Repair Response		Inspection Method	Inspection Frequency	Measurement Record	Target
			Temporary <sup>1</sup>	Permanent <sup>2</sup>				
2.2	Delamination of AR-ACFC	All roadways have a smooth surface course.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	1 year	Physical measurement	Monthly	Repair when: 5 or more delamination areas, of 1 foot length or greater in any direction, within any 1 mile section per direction.	100%
2.3	Potholes	All roadways have a smooth surface course.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	1 year	Physical measurement	Monthly	Repair when: 5 or more potholes, of 1 inch depth or greater and a 1 foot length or greater in any direction, within any 1 mile section per direction.	100%
2.4	Base Failures	All roadways have a smooth surface course.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	1 year	Visual	Annually	Repair when: any base and/or subgrade failures occurs.	100%
2.5	Settlement/ Heave/ Distortion	All roadways have a smooth surface course.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	1 year	Depth as measured using automated device in compliance with ADOT Standards.	Annually	Repair when: surface deviations reach/exceed 1-1/2 inches in a length of 50 feet.	100%
					10-foot straightedge used to measure rut depth in localized areas.	Annually	Repair when: surface deviations exceed 1/2 inch between adjacent slabs or structural sections.	100%
2.6	Joints	All roadways have a smooth surface course.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	1 year	Physical measurement	Annually	Repair when: joint separations between concrete pavement and adjacent asphaltic concrete pavement exceed 1/2 inch in width.	100%
							Repair when: concrete pavement joints exceed 1/2 inch in width.	100%

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TP Attachment 500-1 Maintenance Table								
Ref.	Element	Performance Requirement	Repair Response		Inspection Method	Inspection Frequency	Measurement Record	Target
			Temporary <sup>1</sup>	Permanent <sup>2</sup>				
2.7	Spalling	All roadways have a smooth surface course.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	1 year	Physical measurement	Annually	Repair when: spall exceeds 4 inches in length	100%
2.8	Pavement ride	All roadways have a smooth surface course.	30 days	1 year	Measurement of International Roughness Index (IRI) according to ADOT Standards, operating inertial profilers. (New construction is subject to construction standards in the Technical Provisions).	Annually	Repair when: mainline lanes and ramps, 0.1 mile average IRI greater than or equal to 85 inches/mile.	100%
2.9	Ruts	All roadways have a smooth surface course.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	6 months	10-foot straightedge used to measure rut depth in localized areas.	Annually	Repair when: average rut depth of any 1 mile section is greater than 1/2 inch.	100%
							Repair when: any rut depth is greater than 1 inch.	100%
2.10	Cracks	Maintain cracks so they are sealed and watertight.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	1 year	Visual	Annually	Clean and seal cracks when: any individual crack is 1/2 inch wide or wider.	100%
2.11	Skid Resistance	Maintain skid resistance to required level.	2 hours for distress that presents a safety hazard to motorists on mainline lanes, ramps, crossroads, and frontage roads, even if Measurement Record is satisfied.	6 months	All pavement sections to be measured using ASTM E274/E274M-11 Standard Test Method for Skid Resistance Testing of Paved Surfaces at 50 MPH using a full scale smooth tire meeting the requirements of ASTM E524-08.	Annually	Repair when: skid resistance throughout any 1 mile section is less than or equal to 30.	100%
<b>3 – ADA Ramps, Sidewalks, and Curbs</b>								
3.1	ADA ramps and sidewalks	Concrete ramps and sidewalks must be ADA compliant and must not be displaced or damaged.	1 week for conditions affecting compliance with ADA requirements.	6 months	Visual; and physical measurement if visual inspection reveals displacement or damage.	Every other year	Inspection records and physical measurements showing compliance.	100% for ADA requirements

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TP Attachment 500-1 Maintenance Table								
Ref.	Element	Performance Requirement	Repair Response		Inspection Method	Inspection Frequency	Measurement Record	Target
			Temporary <sup>1</sup>	Permanent <sup>2</sup>				
3.2	Curb and gutter	Concrete curbs and gutters must not be displaced or damaged.	N/A	1 year	Visual; and physical measurement if visual inspection reveals displacement or damage.	Every other year	Inspection records and physical measurements showing compliance.	90% per mile for curb and gutter
<b>4 – Safety and Security</b>								
4.1	Safety Barriers, attenuators, barrier end treatments, and safety railing	All barriers, guard rail / bridge rail transitions, guard rail end treatments, and attenuators must be functional with no damage that impairs their ability to perform.	2 hours to install safety measures	1 week for attenuators and barrier end treatments; and 30 days for other failures.	Visual	Annually	Inspection records showing compliance.	100%
4.2	Fence/gates and noise walls	All ROW fence and gates must be in good repair; except when in use, gates are closed and locked; and noise walls must be undamaged and functional.	24 hours for ROW fence, gates, and noise walls that function as ROW fence; and 30 days for other noise wall repairs.	1 week for ROW fences and gates; and 6 months for noise walls.	Visual	Monthly	Inspection records showing compliance.	100%
4.3	Signage and delineators	All signs, including sign lighting, and delineators function as designed, unauthorized signs are removed, obsolete signs are removed or replaced.	2 hours for safety critical signs (regulatory and warning); and 1 week for other signs.	6 weeks for signs 25 square feet or larger, and 2 weeks for other signs	Visual day and night	Annually	Inspection records showing compliance.	100%
4.4	Lighting	Luminaires are illuminated, function as designed. Electrical supply is maintained from point of service provider	48 hours for restoration of electrical supply and N/A for street lighting luminaires	1 month	Visual	Annually	Percent of luminaires functioning.	90%
							Instance of 3 or more consecutive luminaires not functioning.	0
4.5	Pavement marking	Pavement markings must be complete, and must be of correct color and configuration. Retro-reflectivity for all preformed plastic pavement markings must be 100 mcd/m <sup>2</sup> /lux. Retro-reflectivity values for all other final pavement markings must be 100 mcd/m <sup>2</sup> /ln.	48 hours	3 months	Visual	Annually	Percent of pavement markings present.	95%
							Number of incorrect markings.	0
					Testing with a retroreflectometer	Every other year	Percent of pavement markings compliant with retroreflectivity value.	90%
4.6	Traffic Signals	All signals including cabinets, signal supports wiring, lenses, and detection loops must be functional, aligned, structurally sound, and must have a continuous power supply. Cabinet electronics are not included.	2 hours and N/A for detection loops	2 weeks	Visual	Monthly	Inspection records showing compliance.	100%
<b>5 – Structures</b>								

TP Attachment 500-1 Maintenance Table								
Ref.	Element	Performance Requirement	Repair Response		Inspection Method	Inspection Frequency	Measurement Record	Target
			Temporary <sup>1</sup>	Permanent <sup>2</sup>				
5.1	Bridges	FHWA mandated inspections – these inspections are not delegated. ADOT will perform the required inspections. Developer shall carry out temporary and permanent repairs as indicated in the inspection reports	2 hours for conditions that affect life safety; and 1 week or as indicated in bridge inspection report for other issues.	6 months or as indicated in bridge inspection reports.	By ADOT	Once every other year	Bridges with no condition rating below 7	100%
		<p>Bridge components:</p> <p>Substructures and superstructures are free of undesirable vegetation, debris, blocked drains, weep holes, defects in joint sealants, defects in pedestrian protection measures, settlement, scour, concrete spalls, and impact damage.</p> <p>Expansion joints are free of dirt, debris, vegetation, and defects in joint seals.</p> <p>The deck drainage system is free of all obstructions and operates as intended.</p> <p>Cover plates are secure and free of damage.</p> <p>Bearing pads and bearing seats are clean.</p> <p>Approach slab and anchor slab joints are free of dirt, debris, vegetation, defects in joint seals.</p>	2 hours for conditions that affect life safety; and 1 month for other issues.	6 months	Visual	Annually	No visually apparent defects	100%
5.2	Retaining walls	Mechanically stabilized earth and other types of retaining walls must be free from impact damage and dislocation, must drain properly, must have no loose components, and must not have exposed reinforcing.	2 hours for conditions that affect life safety; and 30 days for other conditions.	6 months	Visual	Annually	Inspection records showing compliance	100%
5.3	Sign and lighting supports	Sign and lighting supports must be structurally sound, must have no loose hardware or anchorages, and must be properly positioned and aligned.	2 hours for conditions that affect life safety; and 1 week for other conditions.	3 months	Visual	Annually	Inspection records showing compliance	100%
<b>6 – Ponding/Flooding, Drainage and Slopes</b>								
6.1	Ponding and flooding	Roadway must be free from standing water within 30 minutes after the end of a 50 year storm event	2 hours	1 month	Visual	Monthly and after storm event in compliance with SWPPP requirements	No areas of standing water within travel lanes. Areas of standing water on shoulders are less than 50 square yards in extent.	100%
6.2	Detention and retention basins	Detention and retention basins must be free from standing water after 50 year storm event	24 hours	1 month	Visual	Monthly and after storm event in compliance with SWPPP requirements	Areas of standing water within detention and retention basins are less than 1,000 square yards in extent.	100%



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TP Attachment 500-1 Maintenance Table								
Ref.	Element	Performance Requirement	Repair Response		Inspection Method	Inspection Frequency	Measurement Record	Target
			Temporary <sup>1</sup>	Permanent <sup>2</sup>				
6.3	Drainage systems	All ditches, channels, culverts, piped drainage systems, including pressure or syphon drainage systems must work as designed to carry design flows. Catch basins, inlets, and culverts must be free from debris and obstructions in order to carry the design flows.	2 hours as required to maintain capacity in case of storm event	6 months or as required to maintain capacity in case of storm event	Visual and CCTV methods as appropriate.	Annually	Drainage system to carry design flows	100%
6.4	Slopes	Maintain cut and fill slopes at design configuration without slope failures or erosion. Remove erosion debris from roadway.	2 hours for failures that affect or threaten travelled way; and 1 month for other issues.	6 months	Visual	Annually	Erosion of materials or slope failures.	0
Note: 1. A temporary repair response requires a safety remedy or repair that protects the public and, as necessary, other Elements. A temporary repair response is not necessarily required to have the durability, aesthetic finish, or, to some extent, the full function of the Element as initially designed. 2. A permanent repair response requires a remedy or repair that restores the Element at issue to a condition of full functionality, durability and appearance as initially designed.								

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**TP Attachment 500-2 – Intentionally Left Blank**

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**1 TP Attachment 500-3 - Landscaping Preventative Maintenance Requirements**

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## 1 STAFF QUALIFICATIONS

### 2 1.1 Landscaping Supervisor

3 Landscaping Supervisor must be knowledgeable in the area of responsibility and have a  
4 minimum of 12 months experience in the past 24 months, performing in the same capacity on  
5 projects of similar size and scope. Supervisor must show continuing education in regards to the  
6 landscape and irrigation industry (i.e. class and/or seminars). Supervisor must have completed  
7 at least one of the following:

- 8 A. Arizona certified Landscaping Professional program or acceptable equivalent
- 9 B. Twelve semester hours of Horticulture/Plant care from accredited college
- 10 C. Certified Arborist Program as established by the International Society of Arboriculture
- 11 D. Other recognized certification programs that require the same level of plant care  
12 knowledge/experience

### 13 1.2 Irrigation Technician(s)

14 Irrigation technician(s) must be knowledgeable in the area of responsibility and have a minimum  
15 of 12 months experience in the past 24 months performing in the same capacity on projects of  
16 similar size and scope. Irrigation worker must show continuing education in regards to the  
17 landscape and/or irrigation industry Plant Preventative Maintenance.

### 18 1.3 Backflow Prevention Certifiers

19 Backflow Prevention Certifiers must be certified for the work they perform.

## 20 2 GENERAL PLANT MAINTENANCE

### 21 2.1 Tree and Plant Growth

22 Perform all horticultural techniques necessary to promote and maintain healthy growth of trees  
23 and plants, including staking, tying, removing or loosening ties, and removing stakes, as  
24 needed. Special devices used to tie up plants to retaining walls shall be maintained. Add,  
25 maintain, and adjust present wire net devices around plants and trees as necessary to protect  
26 plant material from pests.

### 27 2.2 General Trimming

28 Growth which restrict drivers' view of signs and safety devices, or which is creating other sight  
29 distance problems for drivers must be pruned. Plants repetitively causing these issues may be  
30 removed. Pruning of plant material that is in bloom is discouraged. Schedules should include  
31 sufficient time to achieve pruning when plants are dormant. Remove and legally dispose all  
32 cuttings by the end of the daily work shift.

### 33 2.3 Tree Trimming

34 Trees must be trimmed as needed to:

- 35 A. facilitate visual inspection of the irrigation system,
- 36 B. remove dead, diseased, or injured wood; control or direct growth covering roadway signs  
37 or causing a sight distance problem to the public,
- 38 C. remove crossed limbs,
- 39 D. eliminate growth encroaching on roadway, and
- 40 E. raise the canopy.

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1 Acceptable practices for pruning include:

- 2 A. Crown cleaning,
- 3 B. crown thinning,
- 4 C. crown raising,
- 5 D. vista pruning, and
- 6 E. crown reduction.

7 Unacceptable practices include:

- 8 A. Topping,
- 9 B. lion tailing, and
- 10 C. pollarding.

### 11 **2.4 Shrub Trimming**

12 Shrubs shall be trimmed as necessary to:

- 13 A. facilitate visual inspection of the irrigation system,
- 14 B. remove dead, diseased, or injured wood,
- 15 C. control or direct growth,
- 16 D. eliminate growth encroaching on roadway, and
- 17 E. raise the canopy as needed.

18 No shrubs will be sheared for aesthetic purposes.

### 19 **2.5 Palm Tree Trimming**

20 All palm trees must be trimmed/skinned so no more than 1 year growth is present.

## 21 **3 PLANT REMOVAL/REPLANTING**

### 22 **3.1 Removal**

23 Developer shall remove and dispose of plants, shrubs, and trees which are severely distressed  
24 or which die as a result of storm damage, age, pests, or disease. All plants being removed must  
25 be noted in MIS upon removal from the job site.

### 26 **3.2 Replacement**

27 Developer shall replace any plant, shrub, or tree which dies or is severely damaged as a result  
28 of neglect, inadequate care, or inadequate maintenance, or application of chemicals, including  
29 runoff and drift onto adjacent properties. Replacement plants must be nearest size nursery  
30 stock available to the plant being replaced. Planting methods will be in accordance with  
31 standard horticultural practices.

### 32 **3.3 Potential Survival and Growth**

33 The soil area of the chemically affected plant(s) and planting pit must be treated with activated  
34 charcoal and other soil amendments that may be required to enhance the potential survival and  
35 growth of the replacement plants.

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### 1 **4 WEED CONTROL**

#### 2 **4.1 Non-Granite Areas/Native Vegetation**

3 Developer's pesticide technician must be able to identify various wild flowers and desirable  
4 native grasses versus noxious weeds.

5 Native grasses must be cut, as needed, after seed heads have matured and as directed by the  
6 Project Manager or their Representative.

7 Native shrub species will be left to grow in a natural state and will not be trimmed, pruned, or  
8 removed, unless impeding traffic or as directed by the Project Manager or their Representative.

9 Native shrubs must not be allowed to become invasive of one another and form dense thickets.

10 In the area around plants, Developer shall maintain free of weeds and grass, either a 5-foot  
11 radius or the area to the outer edge of the canopy, whichever is greater. A 3-foot radius must be  
12 maintained free of weeds and grass around the base of signs, delineators, utility poles,  
13 guardrails, fence lines, cable barriers, and other highway fixtures.

14 All annual and perennial weeds within non-granite areas must be treated with an approved  
15 herbicide before reaching 3 inches in height. All weeds and grasses in expansion joints of paved  
16 slopes and sidewalks must also be treated with an approved herbicide before reaching 3 inches  
17 in height.

18 If weeds develop beyond 3 inches in height prior to treatment, Developer shall be responsible  
19 for manual removal of the weeds, removal and disposal of cut debris, restoration of the  
20 disturbed area to its original condition, and application of an approved pre-emergent herbicide to  
21 the area.

#### 22 **4.2 Granite Areas**

23 All granite areas within the project must be treated with an approved, pre-emergent herbicide at  
24 least once per year. This application will be shown on the annual and monthly schedules. Some  
25 variability will be allowed for weather conditions.

26 The entire granite area is to be maintained free of weeds and grasses. All annual and perennial  
27 weeds within granite areas will be treated with an approved herbicide before reaching 3 inches  
28 in height.

29 Disposal must be in a legal manner. All disturbed granite and earth must be restored to original  
30 condition when manual weeding is completed.

#### 31 **4.3 Hardscape Areas**

32 Weeds in hardscape areas, including but not limited to slope paving, sidewalks, and capped  
33 raised medians and gore points must be treated in the same manner as the granite areas.

### 34 **5 PESTICIDES AND PESTICIDE APPLICATION**

35 Developer shall furnish all pesticides, equipment, and labor to provide pest control services.  
36 Prior to pesticide application, Developer shall provide a listing of all materials and chemicals  
37 annually at the maintenance meeting. All pesticides used must be labeled for landscape use.  
38 Restricted use pesticides with an LD 50 number lower than 500 are NOT permitted on this  
39 Project.

40 All pesticides used must be in the original manufacturers marked containers and tank-mixed on  
41 site. Developer shall provide storage of chemicals at off-site locations, delivering to the work site  
42 only sufficient equipment and materials to complete daily tasks.

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1 Developer shall apply all pesticides in strict compliance with the manufacturer's instructions as  
2 they appear on the label, and as approved by the rules and regulations of the agency issuing  
3 Developer's pesticide license.

4 Developer shall maintain on site the Material Safety Data Sheets (MSDS) and current labels for  
5 each product used on this contract for ready reference.

6 Gallons of water used from the irrigation system supply for spray mix must be recorded on the  
7 daily work report.

### 8 **6 OTHER PEST CONTROL**

9 Developer shall control pests within the contracted area. Pests may include, but are not limited  
10 to mosquitos, ants, bees, rodents, insects, gophers, and other pests which burrow, crawl, fly,  
11 nest or otherwise reside within the contracted area. Pests which infest plants must be treated  
12 with an approved pesticide.

13 Developer shall take all normal precautions common to the trade and institute proper  
14 procedures for the control of insects, bees, pests, or disease, including clean-up and removal of  
15 standing water or other mosquito vectors. Developer shall be responsible for all damages  
16 resulting from improper procedures or the failure to take normal precautions.

17 Developer shall note on the Daily Work Report all pest intrusions by describing the location, the  
18 pest to be controlled, and the method of control.

### 19 **7 IRRIGATION**

#### 20 **7.1 General Irrigation**

21 Developer shall:

22 A. Provide all labor and equipment necessary for inspection, maintenance, operation, and  
23 repair of the existing irrigation system.

24 B. See that all trees and shrubs receive the proper amount of water to maintain health and  
25 vigor. This will involve adjusting the irrigation systems for appropriate seasonal  
26 frequencies.

27 C. A watering schedule must be prepared by someone specialized in irrigation, such as a  
28 horticulturist or water administrator. The detailed schedule must be submitted annually at  
29 the maintenance meeting. This schedule must list water requirements for specific  
30 species of plants and be entered in to the controllers. Developer shall adhere to the  
31 watering schedule and any changes to the schedule, or deviation from it, must be noted  
32 in the MIS.

33 D. Developer shall establish an annual water budget and set a monthly percentage of that  
34 budget to determine a maximum monthly usage. This information must be included in  
35 Developer's annual irrigation plan.

36 E. Be responsible for daily surveillance of the irrigation system to assure that all component  
37 features are operating as designed. These component features include, but are not  
38 limited to, back flow preventers, controllers, valves, pressure regulators, filters, water  
39 lines, emitters, sensing devices, and the entire electrical system.

40 F. Alarms showing on controllers must be rectified, and an entry made in MIS of the  
41 occurrence.

42 G. Report through the MIS any malfunction of the irrigation system which requires  
43 emergency repair for the safety of the public or to protect the landscaping.

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1 H. Notify the Project Manager's Representative to inspect all subsurface repairs to the  
2 irrigation system prior to backfilling.

### 3 **7.2 Irrigation System Inspection**

4 In addition to daily Surveillance, during the landscape establishment period after Final  
5 Acceptance, Developer shall conduct a formal monthly Inspection of the Non-Maintained  
6 Element irrigation systems. The irrigation inspection must include the items identified in Table  
7 7-1, Irrigation Inspection Checklist.

8 Irrigation systems in the Maintenance Service Limits shall be inspected when and as  
9 determined by Developer.

<b>Table 7-1 Irrigation Inspection Checklist</b>		
<b>Item No.</b>	<b>Description</b>	<b>X Indicates Services Completed</b>
1	All emitters for even water distribution over area covered within plant canopy.	
2	Pressure at all electric remote control valves. Clean boxes as needed.	
3	Pressure at all pressure regulators. Clean boxes as necessary.	
4	Gallonage/hour at five emitters per valve.	
5	Pressure at two end caps from same lateral line as emitter check (Item 4). Record valve and regulator number.	
6	Verify zero flow with only master valve open and record pressure.	
7	Verify that the water meter, flow monitor, and controller agree on flow rates.	
8	Clean component cabinets and the controller enclosure area.	
9	Check and record ohms reading for each valve output (all outputs off).	
10	Flush the filter(s) and check pressure gauge(s).	
11	Check system for leakage and malfunctioning components.	
12	Reset total flow counter in flow monitor to zero.	

### 10 **7.3 Not Used**

### 11 **7.4 Irrigation Water Distribution**

#### 12 **7.4.1 Emitters**

13 Emitters must be kept properly positioned for even water distribution within the area of the  
14 canopy. Check at random to determine the flow rate in gallons per hour during the monthly  
15 irrigation Inspection. When the emitter shows that the flow rate is twice that of the designed  
16 flow, the emitter must be replaced by Developer. When the tested emitters have failed, five  
17 additional emitters must be checked to determine flow rates. When the majority of emitters fail,



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1 the entire section for the tested valve will be replaced. Developer shall replace all failed emitters  
2 as part of the Maintenance Services Work.

### 3 **7.4.2 Irrigation Line**

4 Line cleaning stubs must be flushed and pressure checked at least monthly. Results of the line  
5 cleaning stubs pressure checks shall be noted on the Daily Work Report.

### 6 **7.4.3 Water Efficiency**

7 Developer shall ensure that water is used efficiently and not wasted. Developer shall water by  
8 hand or by other ADOT approved means when the irrigation system is temporarily out of order.  
9 In case of interruptions, Developer shall create a notification within the MIS for any such  
10 occurrence.

## 11 **8 REPAIRS TO IRRIGATION SYSTEM**

12 Developer shall furnish all labor, equipment, pipe, repair parts and kits, and supplies to make  
13 repairs, replacements, and adjustments to the irrigation systems as part of the irrigation  
14 maintenance service.

15 All replacement parts and installation procedures must be same as original unless otherwise  
16 approved by the Project Manager's Representative.

## 17 **9 HERBICIDES**

18 Developer shall use the herbicides listed in Table 9-1 for weed control. Additional products may  
19 be used upon request, evaluation, and approval by ADOT.

<b>Product Name</b>	<b>Active Ingredient</b>
Surflan	Oryzalin
Pendulum	Pendimethalin
Carricade	Prodiamine
Roundup	Glyphosate
Reward	Diquat dibromide
Poast	Sethoxydim
Fusilade	Fluazifop Butyl
Endurance	Prodiamine
Galary	Isoxaben
Clean	Amine 2,4 Dichloro-Phenoxyacetic acid

20 All herbicides must have an approved dye added to facilitate inspection after application.

**CONFORMED**

**1 TP Attachment 500-4 - Photographic Examples of Adjectival Rating System**

**CONFORMED**



1  
2

**Cracking (Acceptable)**

CONFORMED



1  
2

**Cracking (Unacceptable)**

**CONFORMED**



1  
2  
3

**Cracking (Unacceptable)**

CONFORMED



1  
2

**Material accumulation outside of travel lanes (Unacceptable)**

**CONFORMED**



1  
2

**Delamination (Unacceptable)**

**CONFORMED**



1  
2  
3

**AR-ACFC Rating  
Excellent Pavement**



**CONFORMED**



1  
2  
3

**AR-ACFC Rating  
Excellent Pavement**

**CONFORMED**



1  
2  
3

**AR-ACFC Rating  
Good Pavement**

**CONFORMED**



1  
2  
3

**AR-ACFC Rating  
Good Pavement**

**CONFORMED**



1  
2  
3

**AR-ACFC Rating  
Acceptable Pavement**

**CONFORMED**



1  
2  
3

**AR-ACFC Rating  
Acceptable Pavement**

**CONFORMED**



1  
2  
3

**AR-ACFC Rating  
Unacceptable Pavement**

**CONFORMED**



1  
2  
3

**AR-ACFC Rating  
Unacceptable Pavement**