

**URS CORPORATION – NY**  
**Contract No. C015548**  
**REPUBLIC AIRPORT**  
**RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS**

DATE: May 4, 2016

ADDENDUM NO. 3 TO:

CONTRACT NO. C015548-S13-FRGRSA

COUNTY: SUFFOLK

IN THE LETTING OF  
May 16, 2016

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NOTICE TO PROSPECTIVE BIDDERS

The following Addendum is hereby made part of the Bid Documents for the “Runway 1-19 Runway Safety Area (RSA) Improvements”. Any revisions (additions, deletions, clarifications) provided in this Addendum shall supersede all related information contained in the Bid Documents issued on April 15, 2016, Addendum #1 issued on April 22, 2016 and Addendum #2 issued on April 29, 2016.

**Instructions to Bidders:**

1. **SEALED PROPOSALS:** Sealed bids must be received and time-stamped at Republic Airport, 7150 Republic Airport, Room 216, East Farmingdale, New York 11735, **no later than May 16, 2016 at 10:00 AM at which time they will be publicly opened and read.** Bids received after this time will be returned unopened. The sealed proposals shall be in accordance with the plans and specifications prepared for this project by URS Corporation – New York.

**Notice for Invitation to Bid:**

2. Questions concerning technical aspects of the Contract Documents shall be sent by e-mail to Andrea Luft at Andrea.Luft@aecom.com no later than COB **May 11, 2016.**
3. Bid Form: Updated Acknowledgement for Contractor to sign to include Addendum No. 3

**Supplemental Information Available to Bidders:**

4. The following project specific information and engineering data is hereby made available as Supplemental Information Available to Bidders:
  - Questions & Answers

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5. Contractor shall sign and submit the acknowledgements for Addendum No. 1 and Addendum No. 3 and return to Andrea Luft (forms included).

**Drawings and Specifications**

1. Signed and sealed drawings are being provided.
2. Item P-154 shall be replaced in its entirety.
3. Item P-101: Surface Preparation;

101-4.3 Pavement marking removal. The method of measurement for pavement marking removal shall be in square feet. It shall be the area of actual pavement marking removed. The larger areas of block pattern of removal required by the latest FAA Advisory Circular will not be considered for measurement.

Basis of payment for Item P 101-5.3 Pavement Marking Removal shall be per square foot.

4. Item D-701: Pipe for Storm Drains and Culverts; Basis of Payment pay items shall be revised as follows:

Item D-701-5.1	Not in Contract
Item D-701-5.2	18-inch RCP, Class V - per linear foot
Item D-701-5.3	Not in Contract
Item D-701-5.4	Existing Drainage Pipe Removal - per linear foot

**Attachments:**

Revised Contract Plans  
Revised Technical Specification P-154  
Addendum No. 1 Acknowledgement  
Addendum No. 3 Acknowledgement  
Updated Bid Form

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**ITEM P-154 SUBBASE COURSE**

**DESCRIPTION**

**154-1.1** This item shall consist of a subbase course composed of granular materials constructed on a prepared subgrade or underlying course in accordance with these specifications, and in conformity with the dimensions and typical cross-section shown on the plans.

**MATERIALS**

**154-2.1 Materials.** The subbase material shall consist of hard durable particles or fragments of granular aggregates. This material will be mixed or blended with fine sand, clay, stone dust, or other similar binding or filler materials produced from approved sources. This mixture must be uniform and shall comply with the requirements of these specifications as to gradation, soil constants, and shall be capable of being compacted into a dense and stable subbase. The material shall be free from vegetative matter, lumps or excessive amounts of clay, and other objectionable or foreign substances. Pit-run material may be used, provided the material meets the gradation requirements specified.

**Gradation Requirements**

Sieve designation (square openings) as per ASTM C136 and ASTM D422	Percentage by weight passing sieves
3 inch (75 mm)	100
No. 10 (2.0 mm)	20-100
No. 40 (0.450 mm)	5-60
No. 200 (0.075 mm)	0-8

The portion of the material passing the No. 40 (0.450 mm) sieve shall have a liquid limit of not more than 25 and a plasticity index of not more than six (6) when tested in accordance with ASTM D4318.

**154.2.2 #3 Stone.** This material shall conform to the gradation for #3 stone as specified in AASHTO M43 and ASTM C33.

**154-2.3 Sampling and testing.** Material used on the project shall be sampled per ASTM D75 and tested per ASTM C136 and ASTM C117. Results shall be furnished to the Engineer by the Contractor prior to the start of construction and once per day during construction.

**154-2.4 Geotextile Fabric.** Geotextile fabric shall conform to the requirements of AASHTO M288 Class 2.

**Geotextile Requirements**

Fabric Property	Test Method	Test Requirement
Grab Tensile Strength, lbs	ASTM D4632	125 min
Grab Tensile Elongation %	ASTM D4632	50 min

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Fabric Property	Test Method	Test Requirement
<b>Burst Strength, psi</b>	ASTM D3785	125 min
<b>Trapezoid Tear Strength, lbs</b>	ASTM D4533	55 min
<b>Puncture Strength, lbs</b>	ASTM D4833	40 min
<b>Abrasion, lbs</b>	ASTM D4886	15 max loss
<b>Equivalent Opening Size</b>	ASTM D4751	70-100
<b>Permittivity sec<sup>-1</sup></b>	ASTM D4491	0.80
<b>Accelerated Weathering (UV Stability) (Strength Retained - %)</b>	ASTM D4355 *(500 hrs exposure)	70

**CONSTRUCTION METHODS**

**154-3.1 General.** The subbase course shall be placed where designated on the plans or as directed by the Engineer. The material shall be shaped and thoroughly compacted within the tolerances specified.

Granular subbases which, due to grain sizes or shapes, are not sufficiently stable to support the construction equipment without movement, shall be mechanically stabilized to the depth necessary to provide stability as directed by the Engineer. The mechanical stabilization shall include the addition of a fine-grained medium to bind the particles of the subbase material sufficiently to furnish a bearing strength, so the course will not deform under construction equipment traffic. The addition of the binding medium to the subbase material shall not increase the soil constants of that material above the specified limits.

**154-3.2 Operation in pits.** The subbase material shall be obtained from pits or sources that have been approved by the Engineer. The material in the pits shall be excavated and handled to produce a uniform and satisfactory product. All work involved in clearing and stripping pits and handling unsuitable material encountered shall be performed by the Contractor. The cost of this work is incidental to this item.

**154-3.3 Preparing underlying course.** Prior to constructing the subbase course, clean the underlying course or subgrade of all foreign substances. The surface of the underlying course or subgrade shall meet specified compaction and surface tolerances. Correct ruts, or soft yielding spots, in the underlying courses and subgrade areas having inadequate compaction and deviations of the surface from the specified requirements by loosening and removing soft or unsatisfactory material and by adding approved material, reshaping to line and grade, and recompacting to specified density requirements. For cohesionless underlying courses or subgrades containing sands or gravels, as defined in ASTM D2487, the surface shall be stabilized prior to placement of the overlying course. Accomplish stabilization by mixing the overlying course material into the underlying course, and compacting by approved methods. The stabilized material shall be considered as part of the underlying course and shall meet all requirements for the underlying course. The finished underlying course shall not be disturbed by traffic or other operations and shall be maintained in a satisfactory condition until the overlying course is placed. The course shall be checked and accepted by the Engineer before placing and spreading operations are started.

To protect the subgrade and to ensure proper drainage, the spreading of the subbase shall begin along the centerline of the pavement on a crowned section or on the high side of pavements with a one-way slope.

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**154-3.4 Materials acceptance in existing condition.** When the entire subbase material is in a uniform and satisfactory condition at approximately the required moisture content, the approved material may be moved directly to the spreading equipment for placing. The material may be obtained from gravel pits, stockpiles, or may be produced from a crushing and screening plant with proper blending. The materials from these sources shall meet the requirements for gradation, quality, and consistency. The intent of the specifications is to secure materials that will not require further mixing. The moisture content of the material shall be approximately that required to obtain maximum density. Any minor deficiency or excess in moisture content may be corrected by surface sprinkling or by aeration. Some mixing or aeration may be required prior to rolling to obtain the required moisture content. Blading or dragging, if necessary, shall be performed to obtain a smooth uniform surface true to line and grade.

**154-3.5 Plant mixing.** When materials from several sources will be blended and mixed, the subbase material shall be processed in a central mixing plant. The subbase material, together with any blended material, shall be thoroughly mixed with the required amount of water. After the mixing is complete, the material shall be transported to and spread on the underlying course without undue loss of moisture content.

**154-3.5.1 Mixed in place.** When materials from different sources are to be proportioned and mixed or blended in place, the relative proportions of the components of the mixture shall be as designated by the Engineer.

The subbase material shall be deposited and spread evenly to a uniform thickness and width. Then the binder, filler or other material shall be deposited and spread evenly over the first layer. There shall be as many layers of materials added as the Engineer may direct to obtain the required subbase mixture.

When the required amount of materials have been placed, they shall be thoroughly mixed and blended by means of graders, discs, harrows, rotary tillers, supplemented by other suitable equipment if necessary. The mixing shall continue until the mixture is uniformly blended. Areas of segregated material shall be corrected by the addition of binder or filler material and by thorough remixing. Water shall be uniformly applied prior to and during the mixing operations, if necessary, to maintain the material at its required moisture content. When the mixing and blending has been completed, the material shall be spread in a uniform layer which, when compacted, will meet the requirements of thickness and typical cross-section.

**154-3.6 General methods for placing.** The subbase course shall be constructed in layers of not less than 3 inches nor more than 8 inches of compacted thickness. The subbase material shall be deposited and spread evenly to a uniform thickness and width. The material, as spread, shall be of uniform gradation with no pockets of fine or coarse materials. The subbase, unless otherwise permitted by the Engineer, shall not be spread more than 2,000 square yards in advance of the rolling. Any necessary sprinkling shall be kept within this limit. No material shall be placed in snow or on a soft, muddy, or frozen course.

When more than one layer is required, the construction procedure described here shall apply similarly to each layer.

During the placing and spreading, sufficient caution shall be exercised to prevent the incorporation of subgrade, shoulder, or foreign material in the subbase course mixture.

**154-3.7 Finishing and compacting.** After spreading or mixing, the subbase material shall be thoroughly compacted by rolling and sprinkling, when necessary. Sufficient rollers shall be furnished to adequately handle the rate of placing and spreading of the subbase course.

The field density of the compacted material shall be at least 100% of the maximum density of laboratory specimens prepared from samples of the subbase material delivered to the jobsite. The laboratory

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specimens shall be compacted and tested in accordance with ASTM D1557. The in-place field density shall be determined in accordance with ASTM D1556. Test in accordance with ASTM D4718 if greater than 30% is retained on the 3/4" sieve. The moisture content of the material at the start of compaction shall be within  $\pm 2\%$  of the optimum moisture content. All testing shall be done by the Contractor's laboratory in the presence of the Engineer, and density test results shall be furnished upon completion to the Engineer for acceptance determination.

The course shall not be rolled when the underlying course is soft or yielding or when the rolling causes undulation in the subbase. When the rolling develops irregularities that exceed 3/8 inch when tested with a 12 feet straightedge, the irregular surface shall be loosened and then refilled with the same kind of material as that used in constructing the course and again rolled as required above.

Along places inaccessible to rollers, the subbase material shall be tamped thoroughly with mechanical or hand tampers.

Sprinkling during rolling, if necessary, shall be by equipment approved by the Engineer. Water shall not be added in manner or quantity that allows free water to reach the underlying layer and cause it to become soft.

**154-3.8 Surface tolerance.** The surface of the top layer shall show no deviations in excess of 3/8 inch when tested with a 12-foot straightedge. Take measurements in successive positions parallel to the centerline of the area to be paved. Measurements shall also be taken perpendicular to the centerline at 50 foot intervals. Correct deviations exceeding this amount by removing material and replacing with new material, or by reworking existing material and compacting it to meet these specifications.

**154-3.9 Thickness control.** The completed thickness of the course(s) shall be in accordance with the thickness and grade indicated on the drawings. The completed course shall not be more than 1/2 inch deficient in thickness nor more than 1/2 inch above or below the established grade. Where any of these tolerances are exceeded, correct such areas by scarifying, adding new material of proper gradation or removing material, and compacting, as directed. Where the measured thickness is 1/2 inch or more thicker than shown, the course will be considered as conforming with the specified thickness requirements plus 1/2 inch. The average job thickness shall be the average of the job measurements as specified above but within 1/4 inch of the thickness shown. The thickness of the completed subbase course shall be determined by depth tests or sample holes taken at intervals so each test shall represent no more than 500 square yards.

**154-3.10 Protection.** Work on subbase course shall not be conducted during freezing temperatures nor when the subgrade is wet. When the subbase material contains frozen material or when the underlying course is frozen, the construction shall be stopped. The Contractor shall protect and maintain the subgrade from yielding until the subbase is accepted.

**154-3.11 Maintenance.** The Contractor shall maintain the completed course in a satisfactory condition until accepted by the Engineer.

**154-3.12 Geotextile Fabric.** The geotextile fabric shall be installed in accordance with the manufacturer's recommendations, or in accordance with AASHTO M288 Appendix, unless otherwise shown on the plans.

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**METHOD OF MEASUREMENT**

**154-4.1 Subbase Course.** Subbase course shall be measured by the number of cubic yards of subbase course material placed, compacted, and accepted in the completed course. The quantity of subbase course material shall be measured in final position based upon depth tests or cores taken as directed by the Engineer, at the rate of one (1) depth test for each 500 square yard of subbase course. On individual depth measurements, thicknesses more than 1/2 inch in excess of that shown on the plans shall be considered as the specified thickness plus 1/2 inch in computing the yardage for payment. Subbase materials shall not be included in any other excavation quantities.

**154-4.2 Geotextile Fabric.** Geotextile fabric shall be measured by the number of square yards.

**BASIS OF PAYMENT**

**154-5.1 Subbase Course.** Payment for Subbase course shall be made at the contract unit price per cubic yard of blended, compacted, choked material as indicated in the plans. This price shall be full compensation for furnishing all materials; for all preparation, hauling, and placing of these materials; and for all labor, equipment, tools, and incidentals necessary to complete the item.

**154-5.2 Geotextile Fabric.** Payment for Geotextile Fabric shall be made at the contract unit price per square yard. This price shall be full compensation for furnishing all materials; for all preparation, hauling, and placing of these materials; and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-154-5.1	Subbase Course (AASHTO M43 #3 Stone Choked with P-209) – per cubic yard
Item P-154-5.2	Geotextile Fabric, Woven Class 2 – per square yard

**TESTING REQUIREMENTS**

ASTM C117	Standard Test Method for Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C136	Standard Test Method for Sieve or Screen Analysis of Fine and Coarse Aggregates
ASTM D75	Standard Practice for Sampling Aggregates
ASTM D422	Standard Test Method for Particle-Size Analysis of Soils
ASTM D698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft <sup>3</sup> )
ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method
ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft <sup>3</sup> )
ASTM D2487	Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)

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ASTM D4253	Standard Test Methods for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table
ASTM D4718	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D6938	Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
AASHTO M43	Sizes of Aggregate for Road and Bridge Construction
AASHTO M288	Standard Specification for Geotextile Specification for Highway Applications

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Addendum No. 3

BID FORM

a) **PROJECT IDENTIFICATION:**

**REPUBLIC AIRPORT RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS**  
**Republic Airport**  
**Contract No. C015548-S13-FRGRSA**

b) **THIS PROPOSAL IS SUBMITTED TO:**

Andrea R. Luft, Project Manager  
URS Corporation – New York  
Republic Airport  
7150 Republic Airport Room 216  
East Farmingdale, New York 11735

c) **TIME OF COMPLETION:**

**One hundred eighty (180) Consecutive Calendar Days from Notice To Proceed for Final Completion.**

The undersigned **BIDDER** proposes and agrees, if this BID is accepted, to enter into an Agreement with **OWNER** in the form included in the Contract Documents to complete all work as specified or indicated in the Contract Documents for the Contract Price indicated in this Bid within the Contract Time and in accordance with the Contract Documents.

**BIDDER** accepts all of the Terms and Conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid Security. This Bid will remain open Sixty (60) days after the day of Bid opening. **BIDDER** will sign the Agreement and submit the Security for Faithful Performance and other documents required by the Contract Documents within ten (10) days after the date of URS Corporation's Notice of Intent to Award.

In submitting this Bid, **BIDDER** represents, as more fully set forth in the Agreement, that:

- (a) **BIDDER** has examined the site and locality where the work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as **BIDDER** deems necessary;
- (b) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any Agreement or rules of any group, association, organization or corporation; **BIDDER** has not directly or indirectly induced or solicited any other **BIDDER** to submit a false or sham bid; **BIDDER** has not solicited or induced any person, firm or a corporation to refrain from bidding; and **BIDDER** has not sought by collusion to obtain for himself any advantage over any other **BIDDER** or over **OWNER**;
- (c) **BIDDER** has read, understands and fully accepts all the terms and conditions of the Contract Documents, and its Bid is made in strict and full accordance with them.
- (d) **BIDDER** further understands and agrees that he is to furnish and provide for all the necessary material, machinery, implements, tools, labor, services, and other items of whatever nature, and to do and perform all the work necessary under the aforesaid conditions, to complete the project in

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accordance with the Contract Documents and to accept in full compensation therefore the amount of the total cost as stated in the Bid.

- (e) **BIDDER** further agrees that if at any time during the progress of work, **URS Corporation** adds, alters or omits portions of the work, **BIDDER** shall so perform such work and accept as compensation a price mutually agreed to prior to the start of the additional work.
- (f) **BIDDER** acknowledges receipt of the following addenda: (If none, so state and affix signature).

<u>Addendum</u>	<u>Date</u>	<u>Signature</u>
___1___	<u>4/22/16</u>	_____
___2___	<u>4/29/16</u>	_____
___3___	<u>5/04/16</u>	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

- (g) Statement of Team Members (List Below):

{Type of Contractor}	_____
-	_____
-	_____
-	_____
-	_____
-	_____
-	_____
{Type of contractor}	_____
-	_____
-	_____
-	_____
-	_____
-	_____

- (h) **BIDDER** will complete all the Work for the Total Amount Shown in the Cost Proposal:

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SUMMARY OF QUANTITIES					
ITEMIZED BID PROPOSAL – RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS					
BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
105-4.1	MOBILIZATION/DEMobilIZATION _____ _____ LS	LS	1		
105-4.2	CONSTRUCTION LAYOUT SURVEYING _____ _____ LS	LS	1		
X-6-5.1	TEMPORARY CONSTRUCTION ITEMS _____ _____ LS	LS	1		
203.07	SELECT GRANULAR FILL _____ _____ CY	CY	459		
203.20	SELECT GRANULAR SUBGRADE _____ _____ CY	CY	522		
206.0201	TRENCH AND CULVERT EXCAVATION _____ _____ CY	CY	1,769		
<del>207.22</del>	<del>GEOTEXTILE DRAINAGE _____ _____ SY</del>	<del>SY</del>	<del>650</del>		
304.12	SUBBASE COURSE, TYPE 2 _____ _____ CY	CY	1,228		

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ITEMIZED BID PROPOSAL – RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS					
BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
402.127302	12.5 F3 TOP COURSE HMA, 70 SERIES COMPACTION _____ TON	TON	621		
402.377902	37.5 F9 BASE COURSE HMA, 70 SERIES COMPACTION _____ TON	TON	1,147		
407.0102	DILUTED TACK COAT _____ GAL	GAL	328		
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE _____ SY	SY	33		
552.17	SHIELDING AND SHORING _____ SF	SF	15,588		
610.1601	TURF ESTABLISHMENT – ROADSIDE _____ SY	SY	5,334		
621.04	CLEANING DRAINAGE STRUCTURE _____ EA	EA	70		
627.50140008	CUTTING PAVEMENT _____ LF	LF	841		

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BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
634.9703011	MISCELLANEOUS WORK _____ FPLS	FPLS	1	\$200,000	\$200,000
648.06	DRILL HOLE, 4 INCH DIAMETER 0 TO 50 FEET DEPTH RANGE (2 borings @ est. 30' each) _____ LF	LF	60		
648.17	FURNISHING EQUIPMENT FOR MAKING BORINGS _____ EA	EA	1		
L-104-6.1-1	TEMPORARY SERVICES FOR AIRFIELD LIGHTING CIRCUITS DURING CONSTRUCTION _____ LS	LS	1		
L-105-7.1-1	REMOVE EXISTING ELEVATED LIGHT FIXTURE AND BASE (DELIVER FIXTURE TO AIRPORT) _____ EA	EA	120		
L-105-7.1-2	REMOVE EXISTING SEMIFLUSH RUNWAY EDGE LIGHT FIXTURE AND BASE (DELIVER FIXTURE TO AIRPORT) _____ EA	EA	5		
L-105-7.1-4	REMOVE EXISTING AIRFIELD LIGHTING CABLE IN CONDUIT OR DUCT _____ LS	LS	1		

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ITEMIZED BID PROPOSAL – RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS					
BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
<del>L-105-7.1-5</del>	<del>REMOVE AIRFIELD GUIDANCE SIGN FOR REINSTALLATION _____ EA</del>	<del>EA</del>	<del>37</del>		
L-105-7.1-6	REMOVE AIRFIELD GUIDANCE SIGN AND BASE _____ EA	EA	30		
L-105-7.1-7	REMOVE EXISTING 1-WAY, 2-INCH DUCT, DIRECT-BURIED, COMPLETE _____ LF	LF	14,640		
L-105-7.1-8	REMOVE EXISTING DUCTBANK, UNPAVED AREAS _____ LF	LF	200		
L-105-7.1-9	REMOVE EXISTING DUCTBANK, PAVED AREAS _____ LF	LF	200		
L-105-7.1-10	REMOVE EXISTING ELECTRICAL HANDHOLE _____ EA	EA	6		
L-105-7.1-11	REMOVE EXISTING ELECTRICAL STRUCTURE (GREATER THAN 4'X4') _____ EA	EA	2		
L-108-5.1-1	1/C NO. 8 AWG, L-824, TYPE C, 5 KV CABLE, INSTALLED IN DUCTBANK OR CONDUIT _____ LF	LF	39,400		

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BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
L-108-5.1-2	1/C NO. 6 AWG, 600V, BARE COPPER COUNTERPOISE WIRE INSTALLED IN TRECH WITH GROUND RODS AND GROUND CONDUCTORS  LF	LF	17,000		
L-108-5.1-3	1/C NO. 6 AWG, 600V, GROUND CABLE FOR AIRPORT LIGHTING CIRCUIT  LF	LF	17,500		
L-110-5.1-1	1-WAY, 2” PVC CONDUIT, SCHEDULE 40, DIRECT-BURIED  LF	LF	6,000		
L-110-5.1-2	1-WAY, 2” PVC CONDUIT, SCHEDULE 40, IN NEW PAVEMENT  LF	LF	500		
L-110-5.1-3	1-WAY, 2” PVC CONDUIT, SCHEDULE 40, IN EXISTING PAVEMENT  LF	LF	8,000		
L-110-5.1-4	4-WAY, 4” PVC CONDUIT, SCHEDULE 40, CONCRETE-ENCASED  LF	LF	320		
L-115-5.1-1	CONCRETE-ENCASED L-867B JUNCTION BOX WITH 3/4" THICK BLANK COVER  EA	EA	4		

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 CONTRACT NO. C015548-S13-FRGRSA  
 REPUBLIC AIRPORT  
 RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS**

SUMMARY OF QUANTITIES					
ITEMIZED BID PROPOSAL – RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS					
BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
L-115-5.1-2	ELECTRICAL HANDHOLE 4'X4'X4', AIRCRAFT RATED  _____ EA	EA	5		
L-123-5.1-1	NEW (SIZE 1) L-858(L) GUIDANCE SIGN ON EXISTING BASE - 1 MODULE  _____ EA	EA	11		
L-123-5.1-2	NEW (SIZE 1) L-858(L) GUIDANCE SIGN ON EXISTING BASE - 2 MODULE  _____ EA	EA	18		
L-123-5.1-3	NEW (SIZE 1) L-858(L) GUIDANCE SIGN ON EXISTING BASE - 3 MODULE  _____ EA	EA	16		
L-123-5.1-4	NEW (SIZE 1) L-858(L) GUIDANCE SIGN ON EXISTING BASE - 4 MODULE  _____ EA	EA	5		
L-123-5.2-1	NEW (SIZE 1) L-858(L) GUIDANCE SIGN ON NEW BASE - 1 MODULE, COMPLETE  _____ EA	EA	1		
L-123-5.2-2	NEW (SIZE 1) L-858(L) GUIDANCE SIGN ON NEW BASE - 2 MODULE, COMPLETE  _____ EA	EA	6		
L-123-5.2-3	NEW (SIZE 1) L-858(L) GUIDANCE SIGN ON NEW BASE - 3 MODULE, COMPLETE  _____ EA	EA	13		

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SUMMARY OF QUANTITIES					
ITEMIZED BID PROPOSAL – RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS					
BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
L-123-5.2-4	NEW (SIZE 1) L-858(L) GUIDANCE SIGN ON NEW BASE - 4 MODULE, COMPLETE  EA	EA	4		
L-123-5.2-5	NEW (SIZE 5) L-858B(L) DISTANCE REMAINING SIGN ON NEW BASE, COMPLETE  EA	EA	4		
L-125-5.1-1	NEW L-861T(L) LIGHT FIXTURE AND BASE, COMPLETE  EA	EA	27		
L-125-5.1-2	NEW L-861/L-861E(L) LIGHT FIXTURE AND BASE, COMPLETE  EA	EA	59		
L-125-5.1-3	NEW L-850C(L) INPAVEMENT LIGHT FIXTURE AND BASE, COMPLETE  EA	EA	9		
L-125-5.2-1	REINSTALL L-861T LIGHT FIXTURE ON NEW BASE, COMPLETE  EA	EA	32		
L-125-5.3-1	NEW L-849(L) RUNWAY END IDENTIFIER LIGHTS (REILS) ON NEW BASE  EA	EA	2		

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SUMMARY OF QUANTITIES					
ITEMIZED BID PROPOSAL – RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS					
BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
L-125-5.3-2	NEW L-880(L) PRECISION APPROACH PATH INDICATOR LIGHTS (PAPIs) On New Base  EA	EA	2		
L-125-5.4-1	FIELD LIGHTING VAULT CIRCUIT CONNECTIONS  ALLOW	ALLOW	1		
D-701-5.2	18-INCH RCP PIPE CLASS V  LF	LF	769		
D-701-5.4	EXISTING DRAINAGE PIPE REMOVAL  LF	LF	150		
D-705-5.1	6-INCH PVC UNDERDRAIN PIPE  LF	LF	3,985		
D-705-5.2	12-INCH PVC UNDERDRAIN PIPE OUTFALL  LF	LF	700		
D-705-5.3	UNDERDRAIN CLEANOUT  EA	EA	28		
D-751-5.2	LEACHING BASIN  EA	EA	15		

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SUMMARY OF QUANTITIES					
ITEMIZED BID PROPOSAL – RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS					
BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
D-751-5.3	CATCH BASIN _____ EA	EA	1		
D-751-5.5	ADJUST STRUCTURE TO GRADE _____ EA	EA	33		
D-751-5.6	EXISTING DRAINAGE STRUCTURE REMOVAL _____ EA	EA	2		
P-101-5.1	PAVEMENT DEMOLITION _____ SY	SY	50,500		
P-101-5.2	PAVEMENT MILLING, VARIABLE DEPTH _____ SY	SY	975		
P-101-5.3	PAVEMENT MARKING REMOVAL _____ SF	SF	105,000		
P-151-4.1	CLEARING AND GRUBBING _____ AC	AC	0.04		
P-152-4.1	UNCLASSIFIED EXCAVATION, HAULED OFF SITE _____ CY	CY	48,965		

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SUMMARY OF QUANTITIES					
ITEMIZED BID PROPOSAL – RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS					
BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
P-152-4.2	BORROW EXCAVATION _____ _____CY	CY	4,000		
P-152-4.3	UNDERCUT EXCAVATION _____ _____CY	CY	7,100		
P-152-4.4	UNSUITABLE EXCAVATION _____ _____CY	CY	4,000		
P-154-5.1	SUBBASE COURSE, AASHTO M43 #3 STONE _____ _____CY	CY	7,100		
P-154-5.2	GEOTEXTILE FABRIC, WOVEN CLASS 2 _____ _____SY	SY	26,300		
P-156-5.1	INLET PROTECTION _____ _____EA	EA	86		
P-156-5.2	SILT FENCE _____ _____LF	LF	8,949		
P-156-5.4	STABILIZED CONSTRUCTION ENTRANCE _____ _____EA	EA	3		
P-209-5.1	CRUSHED AGGREGATE BASE COURSE _____ _____CY	CY	8,000		

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SUMMARY OF QUANTITIES					
ITEMIZED BID PROPOSAL – RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS					
BASE BID					
ITEM	DESCRIPTION WITH WRITTEN UNIT PRICE	UNIT	QTY.	UNIT PRICE	ITEM COST
P-401-8.1	BITUMINOUS CONCRETE PAVEMENT - SURFACE COURSE (PG 64-22) _____ TON	TON	3,000		
P-401-8.2	BITUMINOUS CONCRETE PAVEMENT - BASE COURSE (PG 64-22) _____ TON	TON	7,200		
P-620-5.1	PAVEMENT MARKING – PERMANENT _____ SF	SF	200,000		
P-620-5.2	PAVEMENT MARKING – TEMPORARY _____ SF	SF	95,000		
P-621-5.1	SAW CUT GROOVING _____ SY	SY	5,820		
T-901-5.1	SEEDING – HYDROSEED _____ AC	AC	13.80		
T-901-5.2	SEEDING-HYDROSEED WITH SOIL STABILIZATION _____ AC	AC	1.80		
T-905-5.1	TOPSOILING, 4" DEPTH _____ SY	SY	79,334		

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**TOTAL BASE BID COST:** \_\_\_\_\_  
(TOTAL PRICE IN NUMBERS)

\_\_\_\_\_  
(TOTAL PRICE IN WORDS)

- (i) **BIDDER** agrees that the Work will be substantially completed within the number of Calendar Days indicated in the Agreement.
- (j) **BIDDER** accepts the provisions of the Agreement as to Liquidated Damages in the event of failure to complete the work on time.
- (k) The terms used in the Bid are defined in the General Conditions of the Contract Documents and have the meanings assigned to them in the General Conditions.
- (l) The following documents are attached to and made a part of the Bid:
  - a. Bid Submission Checklist
  - b. Bid Form
  - c. Bid Bond
  - d. Non-Collusion Affidavit
  - e. Bidder's Experience and Financial Statement
  - f. References
  - g. Equal Employment Opportunity Report Statement
  - h. Consent of Surety
  - i. New York State Vendor Responsibility Questionnaire (online)
  - j. Certification of Non-Segregated Facilities
  - k. Buy American Certificate
  - l. Jurat
  - m. New Procurement Lobbying Law Interim Guidelines and Procedures
  - n. Compliance Procurement Lobbying Law
  - o. Offerer Disclosure of Prior Non-Responsibility Determinations
  - p. Offerer's Affirmation of Understanding on and Agreement Pursuant to State finance Law
  - q. AAP 10 NYS – D/M/WBE Solicitation Log
  - r. AAP 22 NYS – Pre-Award D/M/WBE Material Supplier Commitment Information
  - s. AAP 23 NYS – Pre-Award D/M/WBE Trucking Commitment Information
  - t. AAP 35 NYS – Workforce Participation Plan
  - u. Schedule 'A' New York State Insurance Requirements
  - v. Standard Clauses for All New York State Contracts

\_\_\_\_\_  
Legal Name of Person, Partnership or Corporation

Date: \_\_\_\_\_ 2016

By:

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Title



**URS CORPORATION - NY  
CONTRACT NO. C015548-S13-FRGRSA  
REPUBLIC AIRPORT  
RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS**

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**If Corporation:**

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_ before me personally appeared \_\_\_\_\_  
\_\_\_\_\_ to me known, who, being by me sworn, did say that he resides at (give  
address) \_\_\_\_\_

\_\_\_\_\_ that he is the (give title) \_\_\_\_\_ of the (name of  
Corporation), \_\_\_\_\_ the Corporation  
described in and which executed the above instrument; that he knows the seal of the Corporation; that the seal affixed by  
order of the Board of Directors of the Corporation, and that he signed his name thereto by like order.

\_\_\_\_\_  
Notary Public

State of \_\_\_\_\_

Qualified in \_\_\_\_\_

My Commission expires \_\_\_\_\_

**ACKNOWLEDGEMENT BY BIDDER:**

**If Individual or Partnership:**

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_ before me personally appeared \_\_\_\_\_  
\_\_\_\_\_ to be known and known to me to be the same person(s) described in and who  
executed the within instrument, and he (or they severally) acknowledged to me that he (or they) executed the same.

\_\_\_\_\_  
Notary Public

State of \_\_\_\_\_

Qualified in \_\_\_\_\_

My Commission expires \_\_\_\_\_

**URS CORPORATION - NY  
CONTRACT NO. C015548-S13-FRGRSA  
REPUBLIC AIRPORT  
RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS**

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**If Corporation:**

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 20\_\_ before me personally appeared \_\_\_\_\_  
\_\_\_\_\_ to me known, who, being by me sworn, did say that he resides at (give  
address) \_\_\_\_\_

\_\_\_\_\_ that he is the (give title) \_\_\_\_\_ of the (name of  
Corporation), \_\_\_\_\_ the Corporation  
described in and which executed the above instrument; that he knows the seal of the Corporation; that the seal affixed by  
order of the Board of Directors of the Corporation, and that he signed his name thereto by like order.

\_\_\_\_\_  
Notary Public

State of \_\_\_\_\_

Qualified in \_\_\_\_\_

My Commission expires \_\_\_\_\_

**URS CORPORATION - NY  
CONTRACT NO. C015548-S13-FRGRSA  
REPUBLIC AIRPORT  
RUNWAY 1-19 RUNWAY SAFETY AREA (RSA) IMPROVEMENTS**

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**ADDENDUM TO PLANS AND SPECIFICATIONS**

**Runway 1-19 Runway Safety Area Improvements  
Republic Airport**

**ADDENDUM NO. 1 – ACKNOWLEDGEMENT OF RECEIPT**

The undersigned acknowledges that Addendum No. 1 to the Plans and Specification for the Runway 1-19 Runway Safety Area Improvements project has been received by the undersigned and will be incorporated in all copies of said Plans and Specifications in the possession of the undersigned.

It is understood that all proposals submitted in response to this project will be presumed to be based upon full knowledge of the contents of Addendum No. 1.

\_\_\_\_\_  
(Company Name)

By: \_\_\_\_\_  
(Signature –Authorized Company/Official)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Date)

**IMPORTANT**

**NOTE: PLEASE SIGN AND DATE THIS “ACKNOWLEDGEMENT OF RECEIPT” AND RETURN VIA EMAIL TO:**

**ANDREA LUFT**  
**at**  
**[Andrea.Luft@aecom.com](mailto:Andrea.Luft@aecom.com)**

**BIDS WILL NOT BE ACCEPTED BY CONTRACTORS WHO HAVE NOT COMPLETED AND RETURNED THIS RECEIPT**

**Contact Andrea at 212-896-0331 if there are any errors with the transmission.**

**ADDENDUM TO PLANS AND SPECIFICATIONS**

**Runway 1-19 Runway Safety Area Improvements  
Republic Airport**

**ADDENDUM NO. 3 – ACKNOWLEDGEMENT OF RECEIPT**

The undersigned acknowledges that Addendum No. 3 to the Plans and Specification for the Runway 1-19 Runway Safety Area Improvements project has been received by the undersigned and will be incorporated in all copies of said Plans and Specifications in the possession of the undersigned.

It is understood that all proposals submitted in response to this project will be presumed to be based upon full knowledge of the contents of Addendum No. 3.

\_\_\_\_\_  
(Company Name)

By: \_\_\_\_\_  
(Signature –Authorized Company/Official)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Date)

**IMPORTANT**

**NOTE: PLEASE SIGN AND DATE THIS “ACKNOWLEDGEMENT OF RECEIPT” AND RETURN VIA EMAIL TO:**

**ANDREA LUFT**  
**at**  
**[Andrea.Luft@aecom.com](mailto:Andrea.Luft@aecom.com)**

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