



Miami-Dade County Board of County Commissioners

Office of the Commission Auditor

**Transit and Mobility Services Committee**

**May 11, 2016**

**9:30 A.M**

Commission Chamber

Charles Anderson, CPA  
Commission Auditor  
111 NW First Street, Suite 1030  
Miami, Florida 33128  
305-375-4354

**Transit and Mobility Services Committee**  
**May 11, 2016 Meeting**  
**Research Notes**

Item No.	Research Notes
<b>3A</b> <b>160955</b>	<p>RESOLUTION APPROVING AWARD OF THE NON-EXCLUSIVE PROFESSIONAL SERVICES AGREEMENT IN THE AMOUNT NOT TO EXCEED \$1,650,000 TO T. Y. LIN INTERNATIONAL, INC. FOR FLORIDA DEPARTMENT OF TRANSPORTATION LOCAL AGENCY PROGRAM COMPLIANCE SERVICES FOR THE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS PROJECT NUMBERS 20120004 AND 20130202 ALONG NW 74 STREET, CONTRACT NUMBER 20140159; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE THE AGREEMENT; AND AUTHORIZING THE USE OF CHARTER COUNTY TRANSPORTATION SURTAX FUNDS FOR SUCH PURPOSES</p>
<b>Notes</b>	<p>The proposed resolution approves the award of a non-exclusive Professional Services Agreement (PSA) to T. Y. Lin International, Inc. for the Florida Department of Transportation (FDOT) Local Agency Program (LAP) Compliance services for the Transportation and Public Works (TPW) Department Projects Numbers 20120004, 20130202 along NW 74 Street and contract Number 20140159.</p> <p>The Consultant Services include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Assisting the TPW Department's Engineer at the Pre-construction conference;</li> <li>• Ensuring that the Contractor for each Project meets all Contractor Quality Assurance and Control (CQAC) requirements of the Contract Documents including the Contractor's Quality Control Plan (CQCP) and personnel qualification requirements of Article 105 of the FDOT Standard Specifications for Road and Bridge Construction;</li> <li>• Participating in weekly progress meetings with Miami-Dade County (County), the FDOT representatives and the Contractors;</li> <li>• Providing services that comply with the FDOT manuals, procedures and memoranda in effect as of the date of the execution of the Agreement, unless otherwise directed in writing;</li> <li>• Verifying that the contractor is in compliance with the requirements of the FDOT's Laboratory Information Management System (LIMS); and confirming that the materials, samples and records are accurate;</li> <li>• Monitoring the Contractor's and Subcontractor's performance for compliance with all requirements of the Equal Employment Opportunity (EEO), Affirmative Action (AA), Disadvantage Business Enterprise (DBE), On-the-Job Training (OJT) and the federal Wage Rate Provisions required by the Federal Highway Administration (FHWA) 1273 Required Contract Provisions Federal-Aid Construction Contracts and applicable Florida Statutes; and</li> <li>• Meeting with the FDOT designee in order to respond to construction and post construction audits.</li> </ul> <p><b><u>Background</u></b></p> <p>Under the conditions of the LAP Agreements, the County is required to hire an independent consultant to verify the FDOT LAP compliance for the work to be performed at:</p> <ul style="list-style-type: none"> <li>• NW 74 Street from NW 114 Avenue to NW 107 Avenue; and</li> <li>• NW 74 Street from NW 87 Avenue to SR-826.</li> </ul>

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	<p><b><u>Fiscal Impact/Funding Source</u></b>  The total fiscal impact will be approximately \$1,650,000. The work is to be funded by the People's Transportation Plan (PTP) funds, and is to be reimbursed by the FDOT up to the limits established in the LAP Agreements:</p> <ul style="list-style-type: none"> <li>• PROJECT 20120004 is being funded by Charter County Transportation (CCT) Sales System Bond Sale Proceeds and is to be reimbursed by the FDOT. The LAP Agreement, ARB76, between the County and the FDOT was approved under Board of County Commissioners (BCC) Resolution No. R-792-12. A construction contract was awarded on December 2, 2014 to Construct Group Corp. for a total of \$6,649,073.20 under BCC Resolution No. R-1053-14.</li> <li>• PROJECT 20130202 is being funded by CCT Sales System Bond Sale Proceeds and is to be reimbursed by the FDOT. The LAP Agreement, ARC43, between the County and the FDOT was approved under BCC Resolution No. R-873-13. A construction contract was awarded on February 3, 2015 to JVA Engineering Contractor, Inc. for a total of \$7,190,569.64 under BCC Resolution No. R-106-15.</li> </ul> <p><b><u>Selection Process</u></b>  On May 12, 2015, a Notice To Professional Consultants (NTPC) was issued under a full and open competition. A project briefing meeting was conducted on June 1, 2015 that was open to all interested parties. On June 19, 2015, five proposals were received.</p> <p>At the First Tier meeting held on September 10, 2015, the Competitive Selection Committee (CSC) reviewed the five proposals. At this meeting, based on the CSC's professional experience and by a majority vote, the CSC invited all five respondents to advance to the Second Tier. Additional information was requested by the CSC from all five respondents. Three of the respondents submitted the requested additional information on or before the October 9, 2015 deadline. The other two respondents, CIMA Engineering Corp. and A2 Group, Inc., did not respond by the deadline, therefore were not further considered for this solicitation. The three respondents were evaluated at the Second Tier Meeting, which was held on October 29, 2015. At that meeting, it was determined that T. Y. Lin International, Inc. met the minimum qualifications and demonstrated its relevant experience as required by the NTPC. The CSC evaluated and ranked the firm first, and decided by unanimous vote to recommend the selection of T. Y. Lin International, Inc. to the Mayor for approval to negotiate a contract. The negotiation with the firm occurred on January 13, 2016.</p> <p><b><u>Contract Measures:</u></b>  Disadvantage Business Enterprise (DBE): 9.91%.  Community Work Force Program (CWP): Not applicable.</p> <p><b><u>Additional Information Relating to T. Y. Lin International Inc.</u></b>  Founded in 1954, T.Y. Lin International Inc. is an internationally recognized, multi-disciplined full-service infrastructure engineering firm committed to providing constructible designs for the</p>

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	<p>global infrastructure market. With more than 2,500 employees working in offices throughout the Americas and Asia, the firm provides support on projects of varying size and complexity.</p> <p>On April 19, 2016, T. Y Lin International, Inc. received Engineering Excellence Honor Awards from the American Council of Engineering Companies (ACEC) for two of its major bridge projects: Tilikum Crossing, Bridge of the People in Portland, Oregon and the Port Mann Bridge in Vancouver, British Columbia. T.Y. Lin International, Inc. served as the Engineer of Record for the Tilikum Crossing, a cable-stayed 1,720-foot-long bridge. The company served as the Chief Design Engineer and Design Manager for the Port Mann Bridge Project, which has a 470-meter-long main span, 190-meter-long side spans and a 52-meter-wide deck. The Port Mann Bridge is the largest main span crossing in Western Canada and the second longest cable-stayed bridge in North America<sup>1</sup>.</p> <p>On April 28, 2016, T.Y. Lin International, Inc. was awarded the Program Management Contract for the Fourth Bridge over the Panama Canal in Panama. The Fourth Bridge over the Panama Canal marks T.Y. Lin's International, Inc. third major bridge project involving crossings over the world-renowned canal. Over the last three decades, starting in 1994, T.Y. Lin International, Inc. has been assisting the Republic of Panama's Ministry of Public Works (MOP) with the widening and retrofitting of the iconic Bridge of the Americas, which opened in 1962, and facilitating ongoing bridge repair and maintenance. The firm was also responsible for the feasibility study, preliminary design and final design of the Centennial Bridge, also known as the Panama Canal Second Crossing, which opened to traffic in 2004<sup>2</sup>.</p>
<p><b>3B</b> <b>160957</b></p>	<p>RESOLUTION APPROVING AWARD OF THE NON-EXCLUSIVE PROFESSIONAL SERVICES AGREEMENT IN THE AMOUNT NOT TO EXCEED \$434,500 TO T. Y. LIN INTERNATIONAL, INC. FOR FLORIDA DEPARTMENT OF TRANSPORTATION LOCAL AGENCY PROGRAM COMPLIANCE SERVICES FOR VARIOUS SAFE ROUTE TO SCHOOLS PROJECTS, CONTRACT NUMBER 20150037; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE THE AGREEMENT; AND AUTHORIZING THE USE OF CHARTER COUNTY TRANSPORTATION SURTAX FUNDS FOR SUCH PURPOSES</p>
<p><b>Notes</b></p>	<p>The proposed resolution approves the award of the non-exclusive PSA in the amount not to exceed \$434,500 to T. Y. Lin International, Inc. for the FDOT LAP Compliance Services for Various Safe Route to Schools Projects Contract No. 20150037.</p> <p>The Consultant Services include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Assisting the TPW Department at the pre-construction conference;</li> <li>• Ensuring that the Contractor for each project meets all CQAC requirements of the Contract Documents including the Contractor's CQCP and personnel qualification</li> </ul>

<sup>1</sup> <http://www.tylin.com/en/news/article/239>

<sup>2</sup> [https://www.morningstar.com/news/business-wire/BWIPREM\\_20160428005424/ty-lin-international](https://www.morningstar.com/news/business-wire/BWIPREM_20160428005424/ty-lin-international)

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	<p>requirements of Article 105 of the FDOT Standard Specifications for Road and Bridge Construction;</p> <ul style="list-style-type: none"> <li>• Participating in weekly progress meetings with the County and the FDOT representatives and the Contractors;</li> <li>• Providing services that comply with the FDOT manuals, procedures and memoranda in effect as of the date of execution of the PSA, unless otherwise directed in writing;</li> <li>• Verifying that the contractor is in compliance with the requirements of the FDOT's LIMS; and confirming that the materials, samples and records are accurate;</li> <li>• Monitoring the Contractor's and Subcontractor's performance for compliance with all requirements of the EEO, AA, DBE, OJT, and the federal Wage Rate Provisions required by the FHWA 1273 Required Contract Provisions Federal-Aid Construction Contracts and applicable Florida Statutes;</li> <li>• Meeting with the FDOT designee in order to respond to construction and post construction audits; and</li> <li>• Providing concrete and asphalt testing services.</li> </ul> <p><b><u>Background</u></b></p> <p>Under the conditions of the LAP Agreements, the County is required to hire an independent consultant to verify the FDOT LAP compliance for the work to be performed at:</p> <p>Safe Route to Schools FM# 431505-1, Phase 9:</p> <ul style="list-style-type: none"> <li>• Avocado Elementary - 16969 SW 294 Street;</li> <li>• Redondo Elementary - 18480 SW 304 Street; and</li> <li>• Dr. Robert Ingram Elementary - 600 Ahmad Street.</li> </ul> <p>Safe Route to Schools FM# 433443-1, Phase 10:</p> <ul style="list-style-type: none"> <li>• Linda Lentin Elementary - 14312 NE 2 Court;</li> <li>• Natural Bridge Elementary - 1650 NE 141 Street;</li> <li>• North Hialeah Elementary - 4251 E 5 Avenue;</li> <li>• Oak Grove Elementary - 15640 NE 8 Avenue; and</li> <li>• Phyllis R. Miller Elementary - 840 NE 87 Street.</li> </ul> <p>Safe Route to Schools FM#433444-1, Phase 11:</p> <ul style="list-style-type: none"> <li>• Jesse J. McCrary Elementary - 514 NW 77 Street;</li> <li>• Kensington Elementary - 711 NW 30 Avenue;</li> <li>• Phyllis Wheatley Elementary - 1801 NW 1 Place;</li> <li>• Santa Clara Elementary - 1051 NW 29 Terrace; and</li> <li>• Toussaint Louverture Elementary - 120 NE 59 Street.</li> </ul> <p>Safe Route to Schools FM#428210-1, Phase 12:</p> <ul style="list-style-type: none"> <li>• Ben Sheppard Elementary - 5700 W 24 Avenue;</li> <li>• Meadowlane Elementary - 4280 W 8 Avenue;</li> <li>• Ernest R. Graham K-8 Center - 7330 W 32 Avenue;</li> </ul>

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	<ul style="list-style-type: none"> <li>• Brentwood Elementary - 3101 NW 191 Street;</li> <li>• Spanish Lake Elementary - 7940 NW 194 Street;</li> <li>• Gertrude K. Edelman/Sabal Palm Elem - 17101 NE 7 Ave; and</li> <li>• Winston Park K-8 Center - 13200 SW 79 Street.</li> </ul> <p>Safe Route to Schools FM#428211-1, Phase 13:</p> <ul style="list-style-type: none"> <li>• Coral Way K-8 Center - 1950 SW 13 Avenue;</li> <li>• Devon Aire K-8 Center - 10501 SW 122 Avenue;</li> <li>• Maya Angelou Elementary - 1850 NW 32 Street; and</li> <li>• Melrose Elementary - 3050 NW 35 Street.</li> </ul> <p><b><u>Fiscal Impact/Funding Source</u></b></p> <p>The total fiscal impact will be approximately \$434,500. The work is to be funded by the PTP funds and is to be reimbursed by the FDOT up to the limits established in the LAP Agreements:</p> <ul style="list-style-type: none"> <li>• PROJECT 20130219 is being funded by CCT System Surtax Bond Sale Proceeds and is to be reimbursed by the FDOT. The LAP Agreement, AQV68, between the County and the FDOT was approved under BCC Resolution No. R-915-12. A Construction contract was awarded on January 21, 2015 to Union Electrical Contractor, Inc. for a total of \$165,773 under BCC Resolution No. R-29-15.</li> <li>• PROJECT 20150134 is being funded by CCT System Surtax Bond Sale Proceeds and is to be reimbursed by the FDOT. The LAP Agreement between the County and the FDOT was approved under BCC Resolution No. R-665-13. The Agreement provides the County with up to \$663,450 in funds. Construction is expected to commence in July 2016.</li> <li>• PROJECT 20150148 is being funded by CCT Sales System Bond Sale Proceeds and is to be reimbursed by the FDOT. The LAP Agreement between the County and the FDOT was approved under BCC Resolution No. R-667-13. The Agreement provides the County with up to \$581,710 in funds. Construction is expected to commence in July 2016.</li> <li>• FM 428210-1 is being funded by CCT Sales System Bond Sale Proceeds and is to be reimbursed by the FDOT. The LAP Agreement between the County and the FDOT was approved under BCC Resolution No. R-388-14. The Agreement provides the County with up to \$673,100 in funds. Construction is expected to commence in July 2017.</li> <li>• FM 428211-1 is being funded by the CCT Sales System Bond Sale Proceeds and is to be reimbursed by the FDOT. The LAP Agreement between the County and the FDOT was approved under BCC Resolution No. R-386-14. The Agreement provides the County with up to \$604,930 in funds. Construction is expected to commence in July 2017.</li> </ul>

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	<p><b><u>Selection Process</u></b> On June 8, 2015, a NTPC was issued under a full and open competition. A project briefing meeting, which was open to all interested parties, was conducted on July 14, 2015. On August 7, 2015, three proposals were received.</p> <p>At the First Tier meeting held on October 2, 2015, the CSC reviewed the three proposals. At this meeting, it was determined that T. Y. Lin International, Inc. met the minimum qualifications and demonstrated its relevant experience as required by the NTPC. The CSC evaluated and ranked the firm first, and decided by unanimous vote to recommend the selection of T. Y. Lin International, Inc. to the County Mayor for approval to negotiate a contract. The negotiation with the firm occurred on November 18, 2015.</p> <p><b><u>Contract Measures:</u></b> Disadvantage Business Enterprise (DBE): 9.91%. Community Work Force Program (CWP): Not applicable.</p>
<p><b>3C 160958</b></p>	<p>RESOLUTION APPROVING OFF-SYSTEM CONSTRUCTION AND MAINTENANCE AGREEMENT BETWEEN MIAMI-DADE COUNTY AND THE FLORIDA DEPARTMENT OF TRANSPORTATION FOR THE CONSTRUCTION OF IMPROVEMENTS ALONG NW 199 STREET FROM 570 FEET WEST TO 600 FEET EAST OF SR 7/NW 2 AVENUE; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE THE SAME AND EXERCISE THE PROVISIONS CONTAINED THEREIN</p>
<p><b>Notes</b></p>	<p>The proposed resolution approves an Off-System Construction and Maintenance Agreement between the County and the FDOT for the construction of improvements along NW 199 Street from 570 feet West and 600 feet East of SR 7/NW 2 Avenue.</p> <p><b><u>Background</u></b> The FDOT is currently working on an intersection improvement at SR 7/NW 2 Avenue and NW 199 Street. As part of the proposed improvements, the FDOT is constructing roadway elements along NW 199 Street, West and East of SR 7/NW 2 Avenue within the County's right-of-way. The improvements to be constructed include, but are not limited to: milling and resurfacing; replacement of sidewalk; curb and gutter; signalization construction; signing; and pavement markings. The Construction of the improvements is scheduled to commence in November 2017.</p> <p><b><u>Fiscal Impact</u></b> The Project is estimated to cost \$281,138 and will be built by the FDOT with the FDOT District funds. The County is required to provide maintenance operations upon completion of the Project.</p>
<p><b>3D 160961</b></p>	<p>RESOLUTION APPROVING FIRST AMENDMENT TO THE JOINT PARTICIPATION AGREEMENT BETWEEN MIAMI-DADE COUNTY AND THE CITY OF MIAMI BEACH TO PROVIDE THE CITY WITH ADDITIONAL FUNDING IN AN AMOUNT UP TO \$2,000,000 FOR THE CONSTRUCTION OF THE WEST AVENUE BRIDGE PROJECT; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE SAME AND EXERCISE THE PROVISIONS THEREIN</p>



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<b>Notes</b>	<p>The proposed resolution approves the first amendment to the Joint Participation Agreement (JPA) between the County and the City of Miami Beach (City), providing up to an additional \$2,000,000 to the City for eligible expenses incurred in the construction of a new bridge over the Collins Canal at West Avenue.</p> <p><b><u>Background</u></b></p> <p>On September 1, 2011, the BCC approved the subject JPA under Resolution No. R-683-11. Under the JPA, the City would be provided up to \$3,011,000 for the right-of-way acquisition and the construction of a new bridge along West Avenue over the Collins Canal, from 17 Street to Dade Boulevard. Due to the inclusion of additional roadway items along Dade Boulevard, an additional \$2,000,000 was requested. The Construction of the Project is anticipated to commence in May of 2016.</p> <p><b><u>Fiscal Impact</u></b></p> <p>The maximum increase in cost to the County as a result of this Amendment is \$2,000,000. The County's participation in funding has increased from the original amount of \$3,011,000 to \$5,011,000 and will be included in the Fiscal Year (FY) 2016-17 Proposed Budget and Multi-Year Capital Plan under Project 2000000091. Road Impact Fee District 8 will continue to provide the County's funding for the Project.</p>