

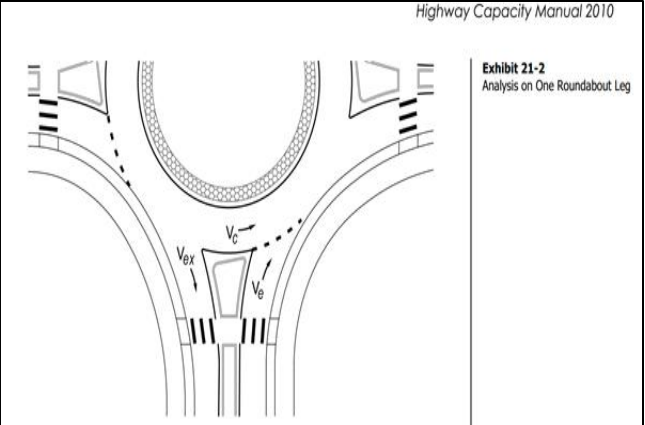
Hiring of Services for Traffic Movement Count Surveys on Specific Locations at BRT Yellow Line Corridor in Karachi
Pre-Proposal - Minutes of Meeting (17th Sep, 2021)

S. NO.	QUERY	RESPONSE
1	Is there a requirement for PEC Registration on this particular project?	It is not a mandatory provision.
2	Is it required for the sub-consultant to be registered for FBR and Sales Tax Registration?	Yes, it is a mandatory provision.
3	Will the Sub-Consultant's experience be accounted into the entire consortium?	As per clause 3.1, if the Bidder considers that the firm does not have all the expertise for the assignment, the bidder may obtain a full range of expertise by associating with other firms or entities.
4	Is there any pre-proposal meeting lined up for the project? If yes, then kindly inform us of the date?	Pre-bid meeting was held on September 17, 2021.
5	Under the heading 'General and Specific Experience', key point mentioned: 'Specific Experience of Traffic Surveys of similar nature and complexity' – kindly clarify if there is a requirement for information of BRT related surveys or Traffic Surveys.	Traffic surveys of similar nature and complexity will be considered.
6	Under the section '4.2 Pedestrian Surveys' it is quoted that: 'Pedestrian Surveys will be conducted at 10 locations during the morning and evening peak periods over 5-minute interval to determine the pedestrian flow direction and volume. Surveys will be conducted for 2 days (1 typical weekday and 1 weekend). The survey team shall undertake Pedestrian Surveys. Total points of survey locations shall be 8 and locations of the same is given in Figure 2 above for signal Phasing and timing. The results of the same will enable finalizing the location /access of the pedestrians in the detailed design plans'. Kindly clarify the exact number of locations.	<p>It is clarified that pedestrian surveys will be undertaken at ten (10) locations for two days (1 weekday and 1 weekend), during the following timing:</p> <ul style="list-style-type: none"> • 7am to 10am, • 12pm to 3pm, and • 5pm to 8pm. <p>Furthermore, the words "for signal phasing and timing" stand deleted.</p>

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7	<p>Number of Directions and Vehicle Categories for Traffic Movement Counts Number of directions and Vehicles Categories Traffic Movement Counts are not mentioned in RFP.</p> <p>Most of locations are 4-legged intersection, which means it will have 12 directions (left, straight and right for each leg) without consideration of U-Turns.</p> <p>If we will include U-Turns, it will become 16 directions for each TMC. Please indicate specifically the number directions for each location along with required vehicle categories.</p>	<p>Please consider all directions including U-turns and provide figures showing the directional movements with the number per direction for each location for approval. For example, if the junction comprises 4 legs then the total number of movements will be 16 movements (4 movements per approach of the junction).</p> <p>Counts to be recorded over 15-minute time intervals, for 16 continuous hours from 7:00am to 11:00pm with the traffic classified into the following vehicle classes:</p> <ul style="list-style-type: none"> • Motorcycle • Car/Taxi • Van/Pickup • Rickshaw / Qingchi • Coasters / Coach / Mini Buses • Large Buses • 2 Axle truck • 3 Axle Truck • 4 Axle Truck • 5 Axle Truck • Other Machinery <p>The following data to be collected at the TMC survey locations:</p> <ul style="list-style-type: none"> • Number of lanes, lane width, directions of traffic • Posted speed • Junction type • Shoulder or median condition
8	<p>TMC at proposed Entry and Exit of Feeder Services?</p> <p>Please elaborate more on this Entry/ Exit of Feeder Services. Figure 3 in RFP indicates locations for these surveys. Please indicate specifically number of locations and directions for these surveys.</p>	<p>Not required.</p>

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<p>9</p>	<p>Most of TMC is for Roundabout. Most of TMC locations are Roundabouts with high radius. It is difficult to count Left, Straight and Right directional traffic for Roundabouts, as it requires to follow the along the long circumference of roundabout which is prone to error. HCM 2010 Chapter 21 on Capacity and LOS analysis of Roundabout recommends Entry, Exit and Circulating traffic-based methodology as illustrated in figure below for reference. We recommend to follow these guidelines for TMC of roundabout as it will increase the accuracy and results of traffic count.</p> 	<p>The method defined in the query is confirmed to be followed.</p>
<p>10</p>	<p>Pedestrian Survey Peak Hour Timings is not mentioned Traffic survey timings for Pedestrian Survey is not mentioned in RFP.</p> <p>Further, there can be 8 directions of pedestrian movement at 4-legged intersections, whereas, mid-block only have 2 directions. Please indicate specifically the number directions for each location.</p>	<p>Surveys will be conducted for 2 days (1 typical weekday and 1 weekend) during three continuous hours in the morning, afternoon and evening peak periods as follows:</p> <ul style="list-style-type: none"> • 7am to 10am, • 12pm to 3pm, and • 5pm to 8pm.
<p>11</p>	<p>Distribution of Weightages for Technical and Financial Score is not mentioned in RFP</p>	<p>Please refer to Clause 6 of the RFP "GUIDELINES FOR EVALUATION OF PROPOSAL".</p> <p>Financial proposal of the technically qualified firms will be opened on lowest evaluated cost basis.</p>

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12	<p>PAYMENT:</p> <p>75% when SMTA approves NESPAK Payment, Since our main client will be NESPAK so it is advisable to tune this as per approval of report by NESPAK and also distribute this break as;</p> <p>25% Mobilization Advance 25% on Completion of Survey 50% on Approval of report.</p> <p>Since all major expenses occurs during field survey so it is requested to consider this breakup in TOR.</p>	<p>The distribution as recommended by the Bidder is accepted.</p> <p>The payment terms shall be:</p> <p>25% - Mobilization Advance 25% - Completion of Field Surveys 50% - Approval of Report.</p>																																		
13	<p>It will be essential if you share the kml file of survey locations and fill up the following form with details of number of directions.</p> <table border="1" data-bbox="300 760 1087 1125"> <thead> <tr> <th>Survey Type</th> <th>Location Code</th> <th>Number of Directions</th> <th>Coordinates (Lat, Long)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Turning Movement Count Survey</td> <td>TMC 1</td> <td>16</td> <td></td> </tr> <tr> <td>TMC 2</td> <td>16</td> <td></td> </tr> <tr> <td>....</td> <td>...</td> <td></td> </tr> <tr> <td rowspan="3">Pedestrian Count Survey</td> <td>Pedestrian 1</td> <td>2</td> <td></td> </tr> <tr> <td>Pedestrian 2</td> <td>8</td> <td></td> </tr> <tr> <td>...</td> <td>...</td> <td></td> </tr> <tr> <td rowspan="3">Parking Survey</td> <td>Parking 1</td> <td></td> <td></td> </tr> <tr> <td>Parking 2</td> <td></td> <td></td> </tr> <tr> <td>...</td> <td></td> <td></td> </tr> </tbody> </table>	Survey Type	Location Code	Number of Directions	Coordinates (Lat, Long)	Turning Movement Count Survey	TMC 1	16		TMC 2	16			Pedestrian Count Survey	Pedestrian 1	2		Pedestrian 2	8			Parking Survey	Parking 1			Parking 2			...			<p>Refer to KMZ (link given below) and attached Table 1.</p> <p>https://drive.google.com/file/d/1Lv2y_yars14BxgdIZ78mczUahLdi2L7D/view?usp=sharing</p>
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14	<p>Pedestrian Survey Peak Hour Timings is not mentioned.</p> <p>Traffic survey timings for Pedestrian Survey is not mentioned in RFP.</p> <p>Further, there can be 8 directions of pedestrian movement at 4-legged intersections, whereas, mid-block only have 2 directions.</p> <p>Please indicate specifically the number directions for each location.</p>	<p>Surveys will be conducted for 2 days (1 typical weekday and 1 weekend) during three continuous hours in the morning, afternoon and evening peak periods as follows:</p> <ul style="list-style-type: none"> • 7am to 10am, • 12pm to 3pm, and • 5pm to 8pm <p>Refer to attached Table 1 for number of directions.</p>
15	<p>We request provision of a KML or KMZ file for the several locations prescribed in the project's scope of work</p>	<p>The link for the KMZ is given below:</p> <p>https://drive.google.com/file/d/1Lv2y_yars14BxgdlZ78mczUahLdi2L7D/view?usp=sharing</p>
16	<p>Page no. 25, Clause 4.1. What movement counts should be recorded under classified turning movement counts as mentioned in TOR. Kindly specify the movement counts w.r.t flow direction that is required by the client. Usually for Roundabout only entry and exit flows are noted at all exits.</p>	<p>Please refer to responses on Items 9 and 13.</p>
17	<p>Page no. 27, Clause 4.2. Kindly elaborate on the survey area (length of the stretch) specific to the roundabouts for pedestrian surveys.</p>	<p>For intersections and roundabouts pedestrians to be counted at the approaches on a stretch/ width of 5m.</p> <p>At mid-blocks pedestrians crossing the road to be counted in both directions for a stretch/ width of 5m.</p>
18	<p>What are the questions to be asked in the interview of parking count surveying?</p>	<p>The surveyors will conduct a questionnaire-based survey with the drivers of these cars in order to closely identify the problems of each location and what is needed to improve the efficiency of the parking area.</p> <p>The questions are:</p> <ul style="list-style-type: none"> • the parking purpose, • frequency per week, • the origin and destination of the trip, • the waiting time, • the proximity of the parking lot to the destination of the trip.

19	Is there any type of analysis required? What are the deliverables required?	<p>No analysis is required.</p> <p>The deliverables required are:</p> <ul style="list-style-type: none">a) Classified turning movement raw data count at the specified locations.b) Pedestrian movement raw data count at specified locations.c) Parking survey raw data count at specified locations.d) All Counts' raw data to be in excel format based on the Client's approved samples.e) Video recording of each location for 01 hour during each peak hour (AM and PM) to be provided. <p>The survey report to include the traffic raw data analysis with the applied methodology and validation process. It shall also include photographs of each survey sites with longitudes and latitudes information displayed on small map.</p> <p>The survey activities: such as installation of counters and cameras to also be photographed and included in the report for each site. In addition, the specifications of the used equipment shall be stated in the submitted report.</p>
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Table 1 - Number of Directions for Traffic Counts

Location Code	Name	Type of Junction	Number of Directions	Coordinates (Lat, Long)
TMC 1	Tariq Rd	4-leg intersection	16	Refer to KMZ (link given below) https://drive.google.com/file/d/1Lv2y_yars14BxgdlZ78mczUahLdi2L7D/view?usp=sharing
TMC 2	KPT Roundabout	6-leg roundabout+ Grade separations	24 for roundabout + 2 for grade separated bridge + 2 for directional ramps (one on each ramp. Total of 2 ramps)	
TMC 3	Bilal Chowrangi	4-leg roundabout	16	
TMC 4	Herbion Roundabout / Shan Chowrangi	4-leg roundabout	16	
TMC 5	Dawood Chowrangi	4-leg intersection	16	
TMC 6	Vita Chowrangi	4-leg roundabout	16	
Pedestrian 1		3-leg intersection	6	
Pedestrian 2		Bridge	2	
Pedestrian 3		Bridge	2	
Pedestrian 4		Bridge	2	
Pedestrian 5		Bridge	2	
Pedestrian 6		Bridge	2	
Pedestrian 7		roundabout	8	
Pedestrian 8		roundabout	8	
Pedestrian 9		roundabout	12	
Pedestrian 10		mid-block	2	
Parking 1				
Parking 2				
Parking 3				
Parking 4				
Parking 5				
Parking 6				
Parking 7				
Parking 8				