

**MINUTES**  
**PRINCETON TRAFFIC AND TRANSPORTATION COMMITTEE**  
**September 28, 2015**  
**Conference Room A**  
**Witherspoon Municipal Building**

**Present:** Robert Altman, Kristin Appelget (Princeton University liaison), Nat Bottigheimer, Sam Bunting, Jenny Crumiller (Council liaison), Amner Deleon, Pam Hersh, Robert Kiser (Engineering liaison), Surinder Sharma, Jack West (Princeton Engineering), Deanna Stockton (Princeton Engineering), Sgt. Tom Murray (Police Department liaison), Ralph Widner.

**Guests:** Jim Constantine and Michael Yaffe, from Looney Ricks Kiss; and residents Greg Hand, Marty Lyons, Dale Meade, and Gaylord Olson.

**1. Minutes of Meeting on June 15, 2015**

Chairman Altman said that he was unable to circulate the minutes from the previous meeting and requested that the committee agree to receive them for approval at the October meeting. Consent was unanimous.

**2. Bus Shelter Enhancements and Upgrades Report**

Jim Constantine and Michael Yaffe, of Looney Ricks Kiss, presented a report on various bus shelter alternatives utilizing bus shelters available at no cost from New Jersey Transit. They offered a variety of suggestions about how the appearance and utility of these shelters can be enhanced. Their Power Point presentation is attached to and made a part of these minutes.

Pam Hersh emphasized that the basic recommendation is to obtain one of the basic shelter models freely available from New Jersey Transit and then modify them, particularly those proposed for Palmer Square and the shopping center. Kristin Appelget asked what NJ Transit is prepared to fund. Bob Kiser replied that the agency will provide whatever basic model we select and will install it at the locations we specify at no cost. However, the municipality is responsible for all maintenance plus the costs of any extras or enhancements, such as solar panels to light the shelters, or “living roofs.”

After Jim Constantine and Marty Yaffe showed how “living roofs” of plant material are used by various municipalities, Jenny Crumiller, Kristin Appelget, and Pam Hersh raised questions about sustainability and cost, since such roofs would require watering and watchful maintenance.

Bob Kiser pointed out that previously the committee tended to favor the “Trenton” shelter model, but the best model now appears to be the “Fair

Lawn.” Pam Hersh commented that minimal enhancements to most of the shelters are proposed, but that special attention to the shelters at Palmer Square and the shopping center might be justified. Discussions with management at both these locations will be necessary. She also suggested that business “sponsorship” of maintenance might be possibility.

Kristin Appelget commented that the municipality could apply to the Mass Transit Fund for funds to finance the enhancements. Anton Lahnston thought that support maybe should be secured before going to Council, but there was some feeling that Council’s views about any plans should be obtained before applying to MTTF.

<p>It was agreed that the next step is for Pam Hersh and Bob Kiser to submit specific recommendations about the location and enhancements for each shelter at the next committee meeting. The committee will then submit its recommendations to council for discussion. Once Council has concurred, we should then proceed with an application to MTTF.</p>
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### **3. Comments from the Public**

#### ***Crosswalk Violations by Motorists***

Dayle Meade complained about frequent violations of state law that he has seen when motorists fail to stop for pedestrians in cross walks. He said he has seen many near-accidents and that a serious one is bound to happen.

He asked if the committee kept data on this problem.

Ralph Widner asked him what steps he advocated. He responded that a major educational campaign seems essential. Ralph Widner said that just prior to municipal consolidation, such a campaign was initiated, but that in the first year of consolidation, Council felt that there were too many demands for the municipality to pursue such an initiative.

Sgt, Tom Murray told Mr. Meade that the police issue summons whenever they are on the scene and witness these violations and that they hand out leaflets of the sort suggested by Mr. Mead, but that the police cannot be everywhere and many violations go unseen. The alternative is for citizens to report the violation and license number, but they must be willing to testify in court. This apparently discourages many residents from doing so.

### ***Streetlights***

Marty Lyons asked the committee about the lag in getting burned out streetlights replaced citing a case near his home where the light went un-replaced for several weeks. He advocated LEDs, which are more long lasting and dependable.

Bob Kiser told him that PSEG is responsible for the lights and has 10 days in which to repair them when the municipality informs the company that a light is out. He also reported that he and Deanna Stockton have discussed LEDs with the company, but that ultimately the company has the power to decide when and where to install them.

### ***Blind Intersections***

Mr. Lyons also noted that there are a number of intersections at which a motorist is unable to see on-coming traffic because of an obstruction, usually vegetation.

Sgt. Murray responded that the municipality can take action to remove or reduce the obstruction if necessary to protect public safety.

## **4. Updates on Safety Subcommittee Actions**

- a. Deanna Stockton reported that the crosswalks previously recommended to facilitate safety on Edgehill Road and Alexander Road were approved by Council and that they will be installed in November.
- b. Bob Kiser said that the NJ DOT will install traffic lights at the Nassau/Washington/Vandeventer intersection that provide for longer pedestrian crossing periods, but the system will not be set at present to provide for "all traffic stop" while pedestrians cross. However, the system that will be installed can allow for that later on should it appear to be warranted.
- c. Bob Kiser said that he request for a new signal at the U.S. 206/Valley Road intersection has been submitted and endorsed by a highly respected traffic consultant, but we have not heard yet from NJ DOT.
- d. Deanna Stockton reported that the improvements on Hamilton and Prospect are now complete and that they will be striped shortly. Poe Road awaits signage. Mt. Lucas Road is being re-paved at the present time.
- e. Deanna Stockton said that a neighborhood meeting on Valley Road will be held tomorrow to discuss options regarding proposed improvements there. In response to requests, parking spaces within 90 feet of the intersection with Witherspoon have been eliminated.

- f. Bob Kiser said that Mercer County approved our recommendations regarding flashing beacons at the Washington Road/Faculty Road intersection. It has now forwarded the recommendation to the Historic Preservation Commission for approval.
- g. Deanna Stockton reported that in-pavement lights have been installed at the Alexander Road crossing of the D & R canal. Sgt. Tom Murray said that a 20 mph speed limit sign that was obscured by brush was moved.
- h. Bob Kiser reported that the recommended sidewalk installation on Littlebrook Road north was installed in time for school opening.

### ***Bicycle Master Plan***

- i. Deanna Stockton said that a meeting regarding the Bicycle Master Plan was held with the Planning Board on September 17 to discuss goals. A steering committee is being assembled and focus group interviews organized and scheduled.

Chairman Altman designated Sam Bunting is the committee's representative on that steering committee.

Resident Greg Hand asked to what body residents can turn to discuss their concerns about any proposed bicycle routes. He is particularly concerned that routes might be planned across his or other properties without any chance for homeowners to register their concerns.

Chairman Altman said that the Traffic and Transportation Committee does not have direct responsibility for the plan, though it will review the plan to see if there are any traffic management or traffic safety concerns. The homeowners' ultimate recourse, of course, is the Council itself.

Deanna Stockton said that the Steering Committee is only now being organized and that there might be an opportunity to include homeowner representatives in that group.

## **5. Police Reports for June, July, and August**

Sgt. Tom Murray submitted the police reports for June, July, and August 2015. They are attached to and made a part of these minutes.

There were 63 occurrences reported in June, six with injuries, one of which was with a pedestrian. There were no bicycle accidents, but one with a deer. Sgt. Murray noted the significant increases in summons issued for speeding and other offenses reflecting the ability to deploy more officers for traffic enforcement now that they are free of policing school crossings.

In July, there were 79 occurrences, nine with injuries., one involving a pedestrian. Again, there were no bicycle accidents reported, but there were three collisions with deer. He noted a considerable increase in parking citations compared to the same month last year.

There were 75 occurrences in August, eight involving injuries, and one fatality. No pedestrians were involved in these accidents, but three were with bicyclists, all injured.

## **6. Alexander Road Design in West Windsor**

In response to complaints at the last meeting from Dale Meade and Marty Lyons about the design of the “S” curve on Alexander Road south of the D & R canal bridge, Jack West said that he met with West Windsor engineers and they agree the road was incorrectly designed and constructed at that point. They have sent a report in to NJ DOT, but so far there has been no response.

The meeting adjourned at 6:58 p.m.

Respectfully submitted,

Ralph R. Widner, Secretary

### **Attachments:**

Presentation on bus shelters by Looney Ricks Kiss

Police Reports for June, July, and August 2015



# Princeton Police Department

## Monthly Report For June 2015

### 63 Occurrences of the following:

<b>Case #</b>	<b>Date</b>	<b>Time</b>	<b>Location</b>	<b>Incident / Call Type</b>
15-16999	06/01/15	06:44	North Harrison Street	Motor Vehicle Crash - Injury
15-17058	06/01/15	12:34	Vandeventer Avenue	Motor Vehicle Crash - No Injury
15-17070	06/01/15	14:15	State Road	Motor Vehicle Crash - No Injury
15-17095	06/01/15	16:52	Jefferson Road	Motor Vehicle Crash - No Injury
15-17207	06/02/15	11:24	Nassau Street	Motor Vehicle Crash - No Injury
15-17246	06/02/15	18:34	Stuart Road	Motor Vehicle Crash - Injury
15-17372	06/03/15	15:43	Bayard Lane	Motor Vehicle Crash - No Injury
15-17374	06/03/15	16:05	Leavitt Lane	Motor Vehicle Crash - No Injury
15-17339	06/03/15	12:03	194 Nassau Street	Motor Vehicle Crash - No Report
15-17468	06/04/15	10:30	North Harrison Street	Motor Vehicle Crash - No Injury
15-17531	06/04/15	17:59	Princeton Avenue	Motor Vehicle Crash - No Injury
15-17627	06/05/15	12:34	830 State Road	Motor Vehicle Crash - No Injury
15-17673	06/05/15	17:37	Library Place	Motor Vehicle Crash - No Report
15-17666	06/05/15	17:03	Mercer Street	Motor Vehicle Crash - No Injury
15-17748	06/06/15	10:25	301 North Harrison Street	Motor Vehicle Crash - No Injury
15-17764	06/06/15	11:41	Nassau Street	Motor Vehicle Crash - No Injury
15-17778	06/06/15	14:59	Bayard Lane	Motor Vehicle Crash - No Injury
15-17880	06/08/15	01:40	222 Christopher Drive	Motor Vehicle Crash - No Injury
15-18196	06/10/15	12:39	Nassau Street	Motor Vehicle Crash - Injury
15-18378	06/11/15	13:29	301 North Harrison Street	Motor Vehicle Crash - No Report
15-18407	06/11/15	17:05	Elm Road	Motor Vehicle Crash - No Injury
15-18106	06/09/15	15:58	Hibben Road	Motor Vehicle Crash - No Injury
15-18476	06/12/15	10:43	North Tulane Street	Motor Vehicle Crash - No Injury
15-18523	06/12/15	15:28	360 Nassau Street	Motor Vehicle Crash - No Injury
15-18581	06/13/15	10:18	Library Place	Motor Vehicle Crash - No Injury
15-18684	06/14/15	13:41	William Street	Motor Vehicle Crash - No Injury
15-18693	06/14/15	16:08	Prospect Avenue	Motor Vehicle Crash - No Injury
15-18737	06/15/15	08:22	State Road	Motor Vehicle Crash - Injury
15-18775	06/15/15	14:35	Witherspoon Street	Motor Vehicle Crash - No Injury
15-18890	06/16/15	13:11	256 Nassau Street	Motor Vehicle Crash - No Report
15-18786	06/15/15	15:56	217 Brickhouse Road	Motor Vehicle Crash - No Injury
15-18924	06/16/15	19:16	Stockton Street	Motor Vehicle Crash - No Injury
15-18965	06/17/15	08:13	275 Mount Lucas Road	Motor Vehicle Crash - No Injury
15-18979	06/17/15	10:41	27 Lovers Lane	Motor Vehicle Crash - No Injury
15-19025	06/17/15	13:32	Mercer Street	Motor Vehicle Crash - No Injury
15-19113	06/18/15	07:49	Washington Road	Motor Vehicle Crash - No Injury
15-19163	06/18/15	12:21	Chambers Street	Motor Vehicle Crash - No Injury



# Princeton Police Department

## Monthly Report For June 2015

### 63 Occurrences of the following:

<b>Case #</b>	<b>Date</b>	<b>Time</b>	<b>Location</b>	<b>Incident / Call Type</b>
15-19180	06/18/15	14:48	Stockton Street	Motor Vehicle Crash - Injury
15-19172	06/18/15	13:49	Elm Road	Motor Vehicle Crash - No Injury
15-19283	06/19/15	13:47	208 Bunn Drive	Motor Vehicle Crash - No Injury
15-19293	06/19/15	15:27	Prospect Avenue	Motor Vehicle Crash - No Injury
15-19432	06/21/15	05:03	Roper Road	Motor Vehicle Crash - No Injury
15-19437	06/21/15	10:54	Quaker Road	Motor Vehicle Crash - Deer
15-19538	06/22/15	16:16	Hale Drive	Motor Vehicle Crash - No Injury
15-19600	06/23/15	08:31	Stockton Street	Motor Vehicle Crash - No Injury
15-19604	06/23/15	09:06	15 Alexander Street	Motor Vehicle Crash - No Report
15-19612	06/23/15	09:42	105 Linden Lane	Motor Vehicle Crash - No Injury
15-19651	06/23/15	14:34	Jefferson Road	Motor Vehicle Crash - No Injury
15-19801	06/24/15	21:28	55 Princeton Avenue	Motor Vehicle Crash - Pedestrian
15-19868	06/25/15	10:39	South Harrison Street	Motor Vehicle Crash - No Injury
15-19880	06/25/15	12:04	Ewing Street	Motor Vehicle Crash - Injury
15-20130	06/27/15	11:57	Princeton Kingston Rd	Motor Vehicle Crash - No Injury
15-20228	06/28/15	16:23	Witherspoon Street	Motor Vehicle Crash - No Injury
15-20276	06/29/15	08:42	Faculty Road	Motor Vehicle Crash - No Report
15-20294	06/29/15	11:44	Witherspoon Street	Motor Vehicle Crash - No Report
15-20297	06/29/15	11:52	Palmer Square East	Motor Vehicle Crash - No Injury
15-20306	06/29/15	13:04	South Harrison Street	Motor Vehicle Crash - No Injury
15-20337	06/29/15	18:30	Bunn Drive	Motor Vehicle Crash - Injury
15-20332	06/29/15	17:40	Elm Drive	Motor Vehicle Crash - No Injury
15-20326	06/29/15	16:26	Hamilton Avenue	Motor Vehicle Crash - No Injury
15-20474	06/30/15	17:03	Elm Drive	Motor Vehicle Crash - No Injury
15-20482	06/30/15	18:13	Hamilton Avenue	Motor Vehicle Crash - No Injury
15-20380	06/30/15	08:34	Ewing Street	Motor Vehicle Crash - No Injury

**PRINCETON POLICE DEPARTMENT**

1 Valley Road  
Princeton, NJ 08540

**MVA W/PEDESTRIANS**

**June 2015**

CASE #	DATE	TIME	STREET	AGE	
15-19801	6/24/15	2128	Princeton Ave./Patton Ave.	12	Injury

**MVA W/BICYCLISTS**

**June 2015**

CASE #	DATE	TIME	STREET	AGE	
			NO REPORTS		

**MVA W/DEER**

**June 2015**

CASE #	DATE	TIME	STREET	AGE	
15-19437	6/21/15	1054	Quaker Rd./Mercer St.	48	No Injury

**PRINCETON POLICE DEPARTMENT**  
**MONTHLY REPORT SUMMONSES**  
**JUNE 2015**

	<u>2015</u>	<u>2014</u>
<b>SPEEDING</b>	95	57
<b>UNREGISTERED VEHICLE</b>	89	36
<b>FAILURE TO INSPECT</b>	33	22
<b>CELL PHONE</b>	13	21
<b>CARELESS DRIVING</b>	30	51
<b>MAINTENANCE OF LAMPS</b>	29	4
<b>DRIVING WHILE SUSPENDED</b>	34	22
<b>FAILURE TO EXHIBIT DOCUMENTS</b>	21	15
<b>UNLICENSED DRIVER</b>	23	11
<b>UNINSURED MOTORIST</b>	17	5
<b>FAILURE TO WEAR SEATBELT</b>	36	19
<b>DRIVING WHILE INTOXICATED</b>	5	2
<b>FAILURE TO YIELD TO PEDESTRIAN</b>	6	8
<b>ALL OTHER</b> (ordinances and moving included in this total)	186	135
<b>TOTAL</b>	<b>617</b>	<b>408</b>

**PRINCETON POLICE DEPARTMENT**  
**MONTHLY REPORT ORDINANCE ACTIVITY**  
**June 2015**

<b>Public Urination</b>	<b>4</b>
<b>Overweight Vehicle</b>	<b>9</b>
<b>Open Container</b>	<b>1</b>
<b>Littering</b>	<b>2</b>
<b>Barking Dog</b>	<b>1</b>
<b>Loud Noise</b>	<b>2</b>
<b>Total</b>	<b>19</b>

**PRINCETON POLICE DEPARTMENT**  
**MONTHLY REPORT OF PARKING ORDINANCE ACTIVITY**  
**JUNE 2015**

	<u>2015</u>	<u>2014</u>
BUS ZONE	3	1
LOADING ZONE	45	13
PARKING w/DESIGN PARK STALLS	43	56
NO PARKING ZONES/ANYTIME)	69	10
PARKING BET 2A & 6A LIMIT 1 HR	174	173
PARK LIMIT 2 HRS BET 8A & 6P	105	99
PARK BET 2A & 6A IN MUNICIPAL YARD	4	8
METERS	2175	1035
METER FEEDING	19	0
PARK IN HANDICAP SPACE	5	0
ALL OTHERS	118	131
<b>TOTALS</b>	<b>2760</b>	<b>1526</b>

Parking Authority Ticketing System  
PRINCETON  
Tickets by Location Report  
From 06/01/2015 To 06/30/2015

Location	Total Tickets	Percentage of Total
AIKEN AVE	1	0%
ALEXANDER ST	3	0%
BANK ST	3	0%
BAYARD LN	2	0%
BOUDINOT ST	3	0%
CHAMBERS ST	52	2%
CHARLETON ST	9	0%
CHESTNUT ST	5	0%
CLAY ST	2	0%
COLLEGE RD	6	0%
DICKINSON ST	11	0%
FRANKLIN AVE	2	0%
GREEN ST	7	0%
GREENVIEW AVE	18	1%
GRIGGS CORNER LOT	84	3%
GUYOT AVE	1	0%
HAMILTON AVE	5	0%
HAWTHORNE AVE	1	0%
HULFISH ST	95	4%
HUMBERT ST	5	0%
JOHN ST	19	1%
LEIGH AVE	2	0%
LINCOLN CT	1	0%
LINDEN LN	1	0%
MACLEAN ST	2	0%
MADISON ST	13	1%
MAPLE ST	5	0%
MERCER EXTENSION	19	1%
MERCER ST	12	0%
MOORE ST	31	1%
MORAN AVE	1	0%
MORVEN PL	2	0%
MURRAY PL	7	0%
N TULANE ST	25	1%
NASSAU ST	907	36%
OLDEN ST	53	2%

Parking Authority Ticketing System  
PRINCETON  
Tickets by Location Report  
From 06/01/2015 To 06/30/2015

Location	Total Tickets	Percentage of Total
PALMER SQUARE E	131	5%
PALMER SQUARE W	158	6%
PARK PL	21	1%
PARK PLACE EAST YARD	2	0%
PARK PLACE WEST YARD	52	2%
PATTON AVE	8	0%
PAUL ROBESON PL	43	2%
PINE ST	3	0%
PRINCETON SHOPPING CENTER	6	0%
PROSPECT AVE	107	4%
QUARRY ST	5	0%
S TULANE ST	20	1%
SPRING ST	77	3%
SPRUCE ST	7	0%
SYLVIA BEACH WAY	6	0%
TRINITY CHURCH LOT	15	1%
TULANE WEST LOT	86	3%
UNIVERSITY PL	94	4%
UNIVERSITY PLACE LOT	3	0%
VANDEVENTER AVE	44	2%
WALNUT LN	1	0%
WIGGINS ST	4	0%
WILLIAM ST	41	2%
WITHERSPOON ST	180	7%
<b>Totals</b>	<b>2,529</b>	<b>100%</b>



# Princeton Police Department

## Monthly Report For July 2015

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<b>Case #</b>	<b>Date</b>	<b>Time</b>	<b>Location</b>	<b>Incident / Call Type</b>
15-20567	07/01/15	12:00	Bayard Lane	Motor Vehicle Crash - No Injury
15-20537	07/01/15	09:20	Leigh Avenue	Motor Vehicle Crash - No Injury
15-20673	07/02/15	08:24	Bayard Lane	Motor Vehicle Crash - No Injury
15-20727	07/02/15	14:13	South Harrison Street	Motor Vehicle Crash - No Injury
15-21149	07/06/15	12:51	State Road	Motor Vehicle Crash - No Injury
15-21178	07/06/15	17:26	301 North Harrison Street	Motor Vehicle Crash - No Injury
15-21189	07/06/15	21:38	232 Witherspoon Street	Motor Vehicle Crash - No Injury
15-21301	07/07/15	15:03	Markham Road	Motor Vehicle Crash - No Injury
15-21330	07/07/15	20:48	33 Mercer Street	Motor Vehicle Crash - No Injury
15-21385	07/08/15	09:37	301 North Harrison Street	Motor Vehicle Crash - No Injury
15-21420	07/08/15	14:36	301 North Harrison Street	Motor Vehicle Crash - No Injury
15-21469	07/09/15	08:09	Mercer Street	Motor Vehicle Crash - No Injury
15-21409	07/08/15	13:01	172 Nassau Street	Motor Vehicle Crash - No Injury
15-21605	07/10/15	10:31	190 Gallup Road	Motor Vehicle Crash - No Injury
15-21602	07/10/15	10:19	Nassau Street	Motor Vehicle Crash - No Injury
15-21624	07/10/15	13:31	Stockton Street	Motor Vehicle Crash - No Injury
15-21643	07/10/15	15:35	Witherspoon Street	Motor Vehicle Crash - No Injury
15-21782	07/11/15	14:30	35 Spring Street	Motor Vehicle Crash - No Injury
15-21849	07/12/15	12:39	24 Spring Street	Motor Vehicle Crash - No Injury
15-21870	07/12/15	19:39	University Place	Motor Vehicle Crash - No Injury
15-21888	07/13/15	00:11	526 Great Road	Motor Vehicle Crash - Deer
15-21918	07/13/15	10:10	221 Street	Motor Vehicle Crash - Injury
15-21961	07/13/15	15:08	Nassau Street	Motor Vehicle Crash - No Injury
15-21981	07/13/15	19:04	Nassau Street	Motor Vehicle Crash - No Injury
15-22038	07/14/15	10:16	24 Spring Street	Motor Vehicle Crash - No Injury
15-22092	07/14/15	18:57	Clay Street	Motor Vehicle Crash - No Injury
15-22384	07/16/15	14:36	State Road	Motor Vehicle Crash - Injury
15-22388	07/16/15	15:18	217 Walnut Lane	Motor Vehicle Crash - No Injury
15-22399	07/16/15	16:14	Nassau Street	Motor Vehicle Crash - No Injury
15-22442	07/17/15	01:24	Lawrenceville Road	Motor Vehicle Crash - No Injury
15-22482	07/17/15	12:00	Quaker Road	Motor Vehicle Crash - No Injury
15-22500	07/17/15	15:26	244 Nassau Street	Motor Vehicle Crash - No Injury
15-22530	07/17/15	20:44	Lawrenceville Road	Motor Vehicle Crash - Injury
15-22621	07/18/15	17:56	273 Nassau Street	Motor Vehicle Crash - No Injury
15-22752	07/19/15	23:41	Mercer Street	Motor Vehicle Crash - Deer
15-22849	07/20/15	17:25	State Road	Motor Vehicle Crash - No Injury
15-22847	07/20/15	16:59	Washington Road	Motor Vehicle Crash - No Injury



# Princeton Police Department

## Monthly Report For July 2015

### 79 Occurrences of the following:

Case #	Date	Time	Location	Incident / Call Type
15-22928	07/21/15	12:13	Alexander Street	Motor Vehicle Crash - No Injury
15-22963	07/21/15	15:23	Bayard Lane	Motor Vehicle Crash - No Injury
15-22976	07/21/15	18:26	Stockton Street	Motor Vehicle Crash - No Injury
15-22964	07/21/15	15:28	Hulfish Street	Motor Vehicle Crash - No Injury
15-22718	07/19/15	16:29	Mercer Street	Motor Vehicle Crash - No Injury
15-23122	07/23/15	07:22	State Road	Motor Vehicle Crash - No Injury
15-23138	07/23/15	09:16	Alexander Street	Motor Vehicle Crash - Pedestrian
15-23074	07/22/15	16:20	Race Street	Motor Vehicle Crash - No Injury
15-23187	07/23/15	16:26	Elm Road	Motor Vehicle Crash - No Injury
15-23198	07/23/15	18:41	351 Franklin Avenue	Motor Vehicle Crash - No Injury
15-23256	07/24/15	10:14	Library Place	Motor Vehicle Crash - No Injury
15-23252	07/24/15	09:41	Mercer Street	Motor Vehicle Crash - No Injury
15-23277	07/24/15	13:27	Palmer Square East	Motor Vehicle Crash - No Injury
15-23369	07/25/15	17:04	Stockton Street	Motor Vehicle Crash - No Injury
15-23374	07/25/15	17:21	Mount Lucas Road	Motor Vehicle Crash - No Injury
15-23414	07/26/15	04:24	Rosedale Road	Motor Vehicle Crash - Deer
15-23543	07/27/15	14:02	Stockton Street	Motor Vehicle Crash - No Injury
15-23555	07/27/15	17:19	Washington Road	Motor Vehicle Crash - No Injury
15-23537	07/27/15	13:21	Bayard Lane	Motor Vehicle Crash - No Injury
15-23443	07/26/15	14:15	Elm Road	Motor Vehicle Crash - No Injury
15-23584	07/28/15	08:27	John Street	Motor Vehicle Crash - No Injury
15-23595	07/28/15	09:28	Nassau Street	Motor Vehicle Crash - No Injury
15-23597	07/28/15	09:42	Nassau Street	Motor Vehicle Crash - No Injury
15-23636	07/28/15	15:03	24 Spring Street	Motor Vehicle Crash - Injury
15-23649	07/28/15	17:04	Great Road	Motor Vehicle Crash - Injury
15-23565	07/27/15	20:36	Maclean Street	Motor Vehicle Crash - No Injury
15-23730	07/29/15	11:52	Nassau Street	Motor Vehicle Crash - No Injury
15-23759	07/29/15	15:22	Ewing Street	Motor Vehicle Crash - No Injury
15-23789	07/29/15	18:13	Bayard Lane	Motor Vehicle Crash - No Injury
15-23807	07/29/15	20:08	Nassau Street	Motor Vehicle Crash - Injury
15-23804	07/29/15	20:01	Alexander Street	Motor Vehicle Crash - No Injury
15-23852	07/30/15	08:00	Drakes Corner Road	Motor Vehicle Crash - No Injury
15-23640	07/28/15	16:22	Cherry Valley Road	Motor Vehicle Crash - Injury
15-23903	07/30/15	17:08	Cherry Valley Road	Motor Vehicle Crash - No Injury
15-23970	07/31/15	07:57	Jefferson Road	Motor Vehicle Crash - No Injury
15-23998	07/31/15	11:14	Spring Street	Motor Vehicle Crash - No Injury
15-24014	07/31/15	13:31	Stockton Street	Motor Vehicle Crash - No Injury



# Princeton Police Department

## Monthly Report For July 2015

### 79 Occurrences of the following:

<b>Case #</b>	<b>Date</b>	<b>Time</b>	<b>Location</b>	<b>Incident / Call Type</b>
15-24045	07/31/15	16:00	North Road	Motor Vehicle Crash - Injury
15-24054	07/31/15	16:48	67 Harriet Drive	Motor Vehicle Crash - No Report
15-24065	07/31/15	18:56	258 Nassau Street	Motor Vehicle Crash - No Injury
15-24057	07/31/15	17:41	Terhune Road	Motor Vehicle Crash - Injury
15-24043	07/31/15	15:50	Alexander Street	Motor Vehicle Crash - Injury

**PRINCETON POLICE DEPARTMENT**

1 Valley Road  
Princeton, NJ 08540

**MVA W/PEDESTRIANS**

**July 2015**

CASE #	DATE	TIME	STREET	AGE	
15-23138	7/23/15	0916	Alexander St./Faculty Rd.	63	No Injury

**MVA W/BICYCLISTS**

**July 2015**

CASE #	DATE	TIME	STREET	AGE	
			NO REPORTS		

**MVA W/DEER**

**July 2015**

CASE #	DATE	TIME	STREET	AGE	
15-21888	7/13/15	0011	Great Rd./Coventry Farm	36	No Injury
15-22752	7/19/15	2351	Mercer St./Quaker Rd.	26	Injury
15-23414	7/26/15	0424	Rosedale Rd./Christopher Dr.	24	Injury

**PRINCETON POLICE DEPARTMENT**  
**MONTHLY REPORT SUMMONSES**  
**JULY 2015**

	<u>2015</u>	<u>2014</u>
<b>SPEEDING</b>	<b>104</b>	<b>102</b>
<b>UNREGISTERED VEHICLE</b>	<b>89</b>	<b>72</b>
<b>FAILURE TO INSPECT</b>	<b>41</b>	<b>34</b>
<b>CELL PHONE</b>	<b>27</b>	<b>37</b>
<b>CARELESS DRIVING</b>	<b>51</b>	<b>45</b>
<b>MAINTENANCE OF LAMPS</b>	<b>24</b>	<b>25</b>
<b>DRIVING WHILE SUSPENDED</b>	<b>39</b>	<b>28</b>
<b>FAILURE TO EXHIBIT DOCUMENTS</b>	<b>27</b>	<b>31</b>
<b>UNLICENSED DRIVER</b>	<b>15</b>	<b>17</b>
<b>UNINSURED MOTORIST</b>	<b>15</b>	<b>13</b>
<b>FAILURE TO WEAR SEATBELT</b>	<b>34</b>	<b>45</b>
<b>DRIVING WHILE INTOXICATED</b>	<b>4</b>	<b>5</b>
<b>FAILURE TO YIELD TO PEDESTRIAN</b>	<b>11</b>	<b>15</b>
<b>ALL OTHER</b> (ordinances and moving included in this total)	<b>202</b>	<b>146</b>
<b>TOTAL</b>	<b>683</b>	<b>615</b>

**PRINCETON POLICE DEPARTMENT**  
**MONTHLY REPORT ORDINANCE ACTIVITY**  
**July 2015**

<b>Public Urination</b>	<b>3</b>
<b>Overweight Vehicle</b>	<b>8</b>
<b>Open Container</b>	<b>2</b>
<b>Littering</b>	<b>1</b>
<b>Barking Dog</b>	<b>1</b>
<b>Loud Noise</b>	<b>3</b>
<b>After Park Hours</b>	<b>2</b>
<b>No Rate Sheet in Taxi</b>	<b>1</b>
<b>Total</b>	<b>21</b>

**PRINCETON POLICE DEPARTMENT**  
**MONTHLY REPORT OF PARKING ORDINANCE ACTIVITY**  
**JULY 2015**

	<u>2015</u>	<u>2014</u>
BUS ZONE	9	1
LOADING ZONE	24	45
PARKING w/DESIGN PARK STALLS	46	25
NO PARKING ZONES/ANYTIME)	26	1
PARKING BET 2A & 6A LIMIT 1 HR	160	202
PARK LIMIT 2 HRS BET 8A & 6P	14	147
PARK BET 2A & 6A IN MUNICIPAL YARD	1	12
METERS	2225	957
METER FEEDING	3	0
PARK IN HANDICAP SPACE	1	0
ALL OTHERS	144	126
<b>TOTALS</b>	<b>2653</b>	<b>1516</b>

Parking Authority Ticketing System  
PRINCETON  
Tickets by Location Report  
From 07/01/2015 To 07/31/2015

Location	Total Tickets	Percentage of Total
ALEXANDER ST	2	0%
BANK ST	5	0%
CHAMBERS ST	56	2%
CHARLETON ST	4	0%
CHESTNUT ST	2	0%
DICKINSON ST	9	0%
GREENVIEW AVE	3	0%
GRIGGS CORNER LOT	87	4%
HULFISH ST	76	3%
JOHN ST	7	0%
LINDEN LN	3	0%
MACLEAN ST	1	0%
MERCER EXTENSION	14	1%
MERCER ST	14	1%
MOORE ST	18	1%
MORAN AVE	1	0%
MURRAY PL	3	0%
N TULANE ST	22	1%
NASSAU ST	989	40%
OLDEN ST	53	2%
PALMER SQUARE E	102	4%
PALMER SQUARE W	133	5%
PARK PL	20	1%
PARK PLACE EAST YARD	18	1%
PARK PLACE WEST YARD	71	3%
PAUL ROBESON PL	41	2%
PINE ST	3	0%
PRINCETON SHOPPING CENTER	1	0%
PROSPECT AVE	130	5%
QUARRY ST	1	0%
S TULANE ST	25	1%
SPRING ST	58	2%
SPRUCE ST	2	0%
SYLVIA BEACH WAY	1	0%
TRINITY CHURCH LOT	13	1%
TULANE WEST LOT	104	4%

**Parking Authority Ticketing System  
PRINCETON  
Tickets by Location Report  
From 07/01/2015 To 07/31/2015**

<b>Location</b>	<b>Total Tickets</b>	<b>Percentage of Total</b>
UNIVERSITY PL	118	5%
VANDEVENTER AVE	29	1%
WILLIAM ST	58	2%
WITHERSPOON ST	151	6%
<b>Totals</b>	<b>2,448</b>	<b>100%</b>



# Princeton Police Department

## Monthly Report For August 2015

### 75 Occurrences of the following:

Case #	Date	Time	Location	Incident / Call Type
15-24127	08/01/15	11:45	Great Road	Motor Vehicle Crash - No Injury
15-24120	08/01/15	10:10	Washington Road	Motor Vehicle Crash - No Injury
15-24153	08/01/15	15:47	Redding Circle	Motor Vehicle Crash - Injury
15-24201	08/02/15	11:23	20 Nassau Street	Motor Vehicle Crash - No Injury
15-24335	08/03/15	17:53	370 Nassau Street	Motor Vehicle Crash - Injury
15-24386	08/04/15	08:23	Jefferson Road	Motor Vehicle Crash - No Injury
15-24407	08/04/15	10:13	41 Governors Lane	Motor Vehicle Crash - No Injury
15-24430	08/04/15	12:55	184 Nassau Street	Motor Vehicle Crash - No Injury
15-24438	08/04/15	13:36	Spruce Street	Motor Vehicle Crash - No Injury
15-24515	08/05/15	10:48	University Place	Motor Vehicle Crash - No Injury
15-24558	08/05/15	17:41	State Road	Motor Vehicle Crash - No Injury
15-24615	08/06/15	10:16	Prospect Avenue	Motor Vehicle Crash - No Report
15-24656	08/06/15	16:04	Alexander Street	Motor Vehicle Crash - No Injury
15-24669	08/06/15	17:42	Witherspoon Street	Motor Vehicle Crash - No Injury
15-24743	08/07/15	12:38	1000 Herrontown Road	Motor Vehicle Crash - No Report
15-24770	08/07/15	15:31	Witherspoon Street	Motor Vehicle Crash - No Injury
15-24711	08/07/15	08:45	59 Paul Robeson Place	Motor Vehicle Crash - No Injury
15-24785	08/07/15	17:07	Wiggins Street	Motor Vehicle Crash - No Injury
15-24802	08/07/15	20:37	727 State Road	Motor Vehicle Crash - Injury
15-24783	08/07/15	16:11	Nassau Street	Motor Vehicle Crash - No Injury
15-24962	08/09/15	12:07	Witherspoon Street	Motor Vehicle Crash - No Injury
15-25036	08/10/15	13:00	33 State Road	Motor Vehicle Crash - No Injury
15-25049	08/10/15	15:07	16 Frederick Court	Motor Vehicle Crash - No Injury
15-25096	08/11/15	08:02	Princeton Kingston Rd	Motor Vehicle Crash - No Injury
15-25263	08/12/15	13:46	North Harrison Street	Motor Vehicle Crash - No Injury
15-25267	08/12/15	14:17	161 Elm Road	Motor Vehicle Crash - No Injury
15-25268	08/12/15	14:21	380 Witherspoon Street	Motor Vehicle Crash - No Report
15-25217	08/12/15	09:43	Valley Road	Motor Vehicle Crash - No Injury
15-25383	08/13/15	10:03	881 State Road	Motor Vehicle Crash - No Injury
15-25399	08/13/15	11:54	Nassau Street	Motor Vehicle Crash - No Injury
15-25592	08/15/15	09:17	135 Bayard Lane	Motor Vehicle Crash - No Injury
15-25457	08/13/15	18:50	25 Chambers Street	Motor Vehicle Crash - No Injury
15-25857	08/17/15	18:42	830 State Road	Motor Vehicle Crash - Injury
15-25886	08/18/15	07:06	Mercer Street	Motor Vehicle Crash - Deer
15-25924	08/18/15	13:07	1 Monument Drive	Motor Vehicle Crash - No Injury
15-25926	08/18/15	13:26	University Place	Motor Vehicle Crash - No Injury
15-25937	08/18/15	15:40	1 Monument Drive	Motor Vehicle Crash - No Report



# Princeton Police Department

## Monthly Report For August 2015

### 75 Occurrences of the following:

Case #	Date	Time	Location	Incident / Call Type
15-25941	08/18/15	16:25	301 North Harrison Street	Motor Vehicle Crash - No Injury
15-25964	08/18/15	22:06	Alexander Street	Motor Vehicle Crash - No Injury
15-25994	08/19/15	10:48	Mount Lucas Road	Motor Vehicle Crash - Bicycle
15-26025	08/19/15	15:52	Rosedale Road	Motor Vehicle Crash - Deer
15-26074	08/20/15	06:59	Alexander Street	Motor Vehicle Crash - No Injury
15-26178	08/21/15	09:44	Stockton Street	Motor Vehicle Crash - Deer
15-26207	08/21/15	12:07	360 Nassau Street	Motor Vehicle Crash - No Injury
15-26201	08/21/15	11:38	70 Washington Road	Motor Vehicle Crash - No Injury
15-26289	08/22/15	09:35	Nassau Street	Motor Vehicle Crash - No Injury
15-26310	08/22/15	12:38	Nassau Street	Motor Vehicle Crash - No Injury
15-26330	08/22/15	18:31	24 Spring Street	Motor Vehicle Crash - No Injury
15-26315	08/22/15	15:19	Vandeventer Avenue	Motor Vehicle Crash - No Injury
15-26205	08/21/15	11:49	Elm Road	Motor Vehicle Crash - No Injury
15-26399	08/23/15	19:20	166 Nassau Street	Motor Vehicle Crash - No Injury
15-26442	08/24/15	08:43	Rosedale Road	Motor Vehicle Crash - No Injury
15-26445	08/24/15	09:24	59 Paul Robeson Place	Motor Vehicle Crash - No Injury
15-26455	08/24/15	11:19	20 Stonewall Circle	Motor Vehicle Crash - No Injury
15-26547	08/25/15	09:55	North Harrison Street	Motor Vehicle Crash - No Injury
15-26536	08/25/15	08:24	Nassau Street	Motor Vehicle Crash - No Injury
15-26546	08/25/15	09:54	Nassau Street	Motor Vehicle Crash - No Injury
15-26552	08/25/15	11:29	151 Moore Street	Motor Vehicle Crash - No Injury
15-26597	08/25/15	21:13	North Harrison Street	Motor Vehicle Crash - Deer
15-26624	08/26/15	08:59	Stockton Street	Motor Vehicle Crash - <del>injury</del> Fatal
15-26678	08/26/15	16:40	Washington Road	Motor Vehicle Crash - No Injury
15-26768	08/27/15	13:41	Nassau Street	Motor Vehicle Crash - No Injury
15-26784	08/27/15	17:48	33 Mercer Street	Motor Vehicle Crash - No Injury
15-26624A	08/26/15		Stockton Street	Motor Vehicle Crash - Injury
15-26867	08/28/15	11:17	Nassau Street	Motor Vehicle Crash - No Injury
15-26910	08/28/15	19:25	301 North Harrison Street	Motor Vehicle Crash - No Injury
15-26942	08/29/15	04:06	State Road	Motor Vehicle Crash - Injury
15-26958	08/29/15	10:40	Terhune Road	Motor Vehicle Crash - Bicycle
15-27071	08/30/15	12:46	Chambers Street	Motor Vehicle Crash - No Report
15-27077	08/30/15	14:09	Ewing Street	Motor Vehicle Crash - Injury
15-27100	08/30/15	20:02	Hamilton Avenue	Motor Vehicle Crash - Bicycle
15-26624B	08/31/15	08:35	Stockton Street	Motor Vehicle Crash - Injury
15-27197	08/31/15	14:16	Quaker Road	Motor Vehicle Crash - Deer
15-27176	08/31/15	11:50	Palmer Square East	Motor Vehicle Crash - No Injury



# Princeton Police Department

## Monthly Report For August 2015

75 Occurrences of the following:

<b>Case #</b>	<b>Date</b>	<b>Time</b>	<b>Location</b>	<b>Incident / Call Type</b>
15-26872	08/28/15	11:48	24 Spring Street	Motor Vehicle Crash - No Injury

**PRINCETON POLICE DEPARTMENT**

**1 Valley Road  
Princeton, NJ 08540**

**MVA W/PEDESTRIANS**

**August 2015**

<b>CASE #</b>	<b>DATE</b>	<b>TIME</b>	<b>STREET</b>	<b>AGE</b>	
			<b>NO REPORTS</b>		

**MVA W/BICYCLISTS**

**August 2015**

<b>CASE #</b>	<b>DATE</b>	<b>TIME</b>	<b>STREET</b>	<b>AGE</b>	
<b>15-25994</b>	<b>8/19/15</b>	<b>1048</b>	<b>Mt. Lucas/Herrontown Rd.</b>	<b>17</b>	<b>Injury</b>
<b>15-26958</b>	<b>8/29/15</b>	<b>1040</b>	<b>Terhune Rd./N. Harrison St.</b>	<b>18</b>	<b>Injury</b>
<b>15-27100</b>	<b>8/30/15</b>	<b>2002</b>	<b>Hamilton Ave./Linden Lane</b>	<b>37</b>	<b>Injury</b>

**MVA W/DEER**

**August 2015**

<b>CASE #</b>	<b>DATE</b>	<b>TIME</b>	<b>STREET</b>	<b>AGE</b>	
<b>15-25886</b>	<b>8/18/15</b>	<b>0706</b>	<b>Mercer/Hutchinson Dr.</b>	<b>45</b>	<b>No Injury</b>
<b>15-26025</b>	<b>8/19/15</b>	<b>1552</b>	<b>Rosedale/General Johnson Dr.</b>	<b>74</b>	<b>No Injury</b>
<b>15-26178</b>	<b>8/21/15</b>	<b>0944</b>	<b>Stockton St./Farrand Rd.</b>	<b>51</b>	<b>No Injury</b>
<b>15-26597</b>	<b>8/25/15</b>	<b>2113</b>	<b>N. Harrison St./Terhune Rd.</b>	<b>25</b>	<b>No Injury</b>
<b>15-27197</b>	<b>8/31/15</b>	<b>1416</b>	<b>Quaker Rd./Mercer St.</b>	<b>52</b>	<b>No Injury</b>

**PRINCETON POLICE DEPARTMENT**  
**MONTHLY REPORT SUMMONSES**  
**AUGUST 2015**

	<u>2015</u>	<u>2014</u>
<b>SPEEDING</b>	<b>81</b>	<b>76</b>
<b>UNREGISTERED VEHICLE</b>	<b>100</b>	<b>70</b>
<b>FAILURE TO INSPECT</b>	<b>16</b>	<b>20</b>
<b>CELL PHONE</b>	<b>14</b>	<b>22</b>
<b>CARELESS DRIVING</b>	<b>34</b>	<b>42</b>
<b>MAINTENANCE OF LAMPS</b>	<b>20</b>	<b>12</b>
<b>DRIVING WHILE SUSPENDED</b>	<b>43</b>	<b>23</b>
<b>FAILURE TO EXHIBIT DOCUMENTS</b>	<b>10</b>	<b>20</b>
<b>UNLICENSED DRIVER</b>	<b>13</b>	<b>11</b>
<b>UNINSURED MOTORIST</b>	<b>8</b>	<b>10</b>
<b>FAILURE TO WEAR SEATBELT</b>	<b>21</b>	<b>23</b>
<b>DRIVING WHILE INTOXICATED</b>	<b>3</b>	<b>5</b>
<b>FAILURE TO YIELD TO PEDESTRIAN</b>	<b>8</b>	<b>8</b>
<b>ALL OTHER</b> (ordinances and moving included in this total)	<b>166</b>	<b>148</b>
<b>TOTAL</b>	<b>537</b>	<b>490</b>

**PRINCETON POLICE DEPARTMENT**  
**MONTHLY REPORT ORDINANCE ACTIVITY**  
**SEPTEMBER 2015**

<b>Public Urination</b>	<b>4</b>
<b>Overweight Vehicle</b>	<b>10</b>
<b>Open Container</b>	<b>1</b>
<b>In Park after Dark</b>	<b>2</b>
<b>Littering</b>	<b>1</b>
<b>Littering in Park</b>	<b>1</b>
<b>Riding Bicycle on Sidewalk</b>	<b>1</b>
<b>Garbage Collection Prior to 7am</b>	<b>1</b>
<b>Closed Road Sign</b>	<b>1</b>
<b>Total</b>	<b>22</b>

**PRINCETON POLICE DEPARTMENT**  
**MONTHLY REPORT OF PARKING ORDINANCE ACTIVITY**  
**AUGUST 2015**

	<u>2015</u>	<u>2014</u>
BUS ZONE	10	6
LOADING ZONE	39	19
PARKING w/DESIGN PARK STALLS	28	29
NO PARKING ZONES/ANYTIME)	26	18
PARKING BET 2A & 6A LIMIT 1 HR	172	176
PARK LIMIT 2 HRS BET 8A & 6P	43	125
PARK BET 2A & 6A IN MUNICIPAL YARD	1	5
METERS	1809	1299
METER FEEDING	0	6
PARK IN HANDICAP SPACE	9	0
ALL OTHERS	131	164
<b>TOTALS</b>	<b>2268</b>	<b>1847</b>

Parking Authority Ticketing System  
PRINCETON  
Tickets by Location Report  
From 08/01/2015 To 08/31/2015

Location	Total Tickets	Percentage of Total
AIKEN AVE	1	0%
BANK ST	1	0%
CHAMBERS ST	38	2%
CHARLETON ST	2	0%
COLLEGE RD	1	0%
DICKINSON ST	4	0%
GREEN ST	5	0%
GREENVIEW AVE	2	0%
GRIGGS CORNER LOT	103	5%
HULFISH ST	50	2%
HUMBERT ST	3	0%
JOHN ST	16	1%
LEIGH AVE	1	0%
LIBRARY PL	1	0%
MACLEAN ST	1	0%
MADISON ST	4	0%
MERCER EXTENSION	15	1%
MERCER ST	7	0%
MOORE ST	19	1%
MURRAY PL	4	0%
N TULANE ST	15	1%
NASSAU ST	769	38%
OLDEN ST	45	2%
PALMER SQUARE E	110	5%
PALMER SQUARE W	98	5%
PARK PL	18	1%
PARK PLACE EAST YARD	10	0%
PARK PLACE WEST YARD	43	2%
PATTON AVE	4	0%
PAUL ROBESON PL	30	1%
PINE ST	3	0%
PRINCETON STATION LOT	6	0%
PROSPECT AVE	112	6%
QUARRY ST	8	0%
S TULANE ST	28	1%
SPRING ST	51	3%

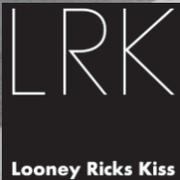
**Parking Authority Ticketing System  
PRINCETON  
Tickets by Location Report  
From 08/01/2015 To 08/31/2015**

<b>Location</b>	<b>Total Tickets</b>	<b>Percentage of Total</b>
SPRUCE ST	2	0%
TRINITY CHURCH LOT	14	1%
TULANE WEST LOT	93	5%
UNIVERSITY PL	81	4%
VANDEVENTER AVE	28	1%
WIGGINS ST	3	0%
WILLIAM ST	33	2%
WITHERSPOON ST	151	7%
<b>Totals</b>	<b>2,033</b>	<b>100%</b>

# Princeton Bus Shelter Enhancements & Upgrades



September 28, 2015  
Municipality of Princeton, NJ



# Princeton Bus Shelter Enhancements & Upgrades

## Project description & goals:

This project consists of assisting the Princeton Engineering Department and Princeton Traffic and Transportation Committee with the research and identification of the following:

- Potential bus shelter enhancements that could be applied to the NJ Transit base model bus shelter or an alternative upgraded bus shelter model.
- Potential alternatives for an upgraded version of a bus shelter that would be design-compatible with the existing NJ Transit base model shelter.

# Princeton Bus Shelter Enhancements & Upgrades



NJ TRANSIT  
base model



Upgraded Shelter

(design compatible with NJ TRANSIT model)

Explore Enhancements  
to NJ TRANSIT base  
model & Upgraded Shelter

- Electronic real-time information displays
- Bike storage facilities
- Upgraded seating options
- Weather protection elements
- Public display panels
- Public art installations
- Trash/recycling facilities
- Lighting
- Rooftop photovoltaic panels

# Existing Princeton Bus Shelter/Stop Conditions



## Existing Conditions Examined:

- Locational Context
  - Main St/ edge of public space
  - Streetside
  - Parkside
  - Off-street (i.e. Shopping Center)
- Aesthetics of shelter structures
  - Color
  - Material
  - Roof type
- Accessories
  - Seating
  - Trash & recycling receptacles
  - Shade/weather protection

# Existing Princeton Bus Shelter

Harrison @ Franklin Avenue



9/14/2015

Princeton Bus Shelter Enhancements & Upgrades



# Existing Princeton Bus Shelter

Harrison @ Spruce Circle



9/14/2015

Princeton Bus Shelter Enhancements & Upgrades

# Existing Princeton Bus Stop

Palmer Square





# NJ TRANSIT Handi-Hut Models



## PEMBERTON TOWNSHIP

Frame Color - Black (Pantone Black 5 U 2)  
Roof Style - Dome Roof Color - White



## IKEA PARAMUS, NJ

Frame Color - Black (Pantone Black 5 U 2x)  
Roof Style - Peaked  
Roof Color - Tinted



## TRENTON BUS SHELTER

Frame Color - Dark Green (Pantone 3435 C)  
Roof Style - Peaked  
Roof Color - Tinted



## NEW LISBON, NJ

Frame Color - Dark Green (Pantone 3435 C)  
Roof Style - Dome  
Roof Color - White



## FAIR LAWN PLAZA

Frame Color - Dark Green  
Roof Style - Barrel  
Roof Color - White  
(Trash receptacle not included.)

# NJ TRANSIT Base Shelter

Manufactured by Handi-Hut



Available in Green or Black  
Dimensions : 5' x 10'  
(accommodates 5-6 riders)  
Provided by NJ TRANSIT

# NJ TRANSIT Base Shelter

Manufactured by Handi-Hut



Optional Solar Powered Light Kit



Contemporary Fascia Detail Optional



Wind Shield Available in Larger Shelters



1/4" Twin Wall Polycarbonate (Barrel Roof)



1/4" Clear Tempered Glass



Extruded Aluminum Bench



Heater



Fan

Climate Control Features Available

# Princeton Bus Shelter Enhancements

Research – Real Time Display

NJ TRANSIT installed Real-Time Information Display Panels at “Go Bus” stops along Routes 28 and 25 in Bloomfield, Newark, & Irvington to test system feasibility.

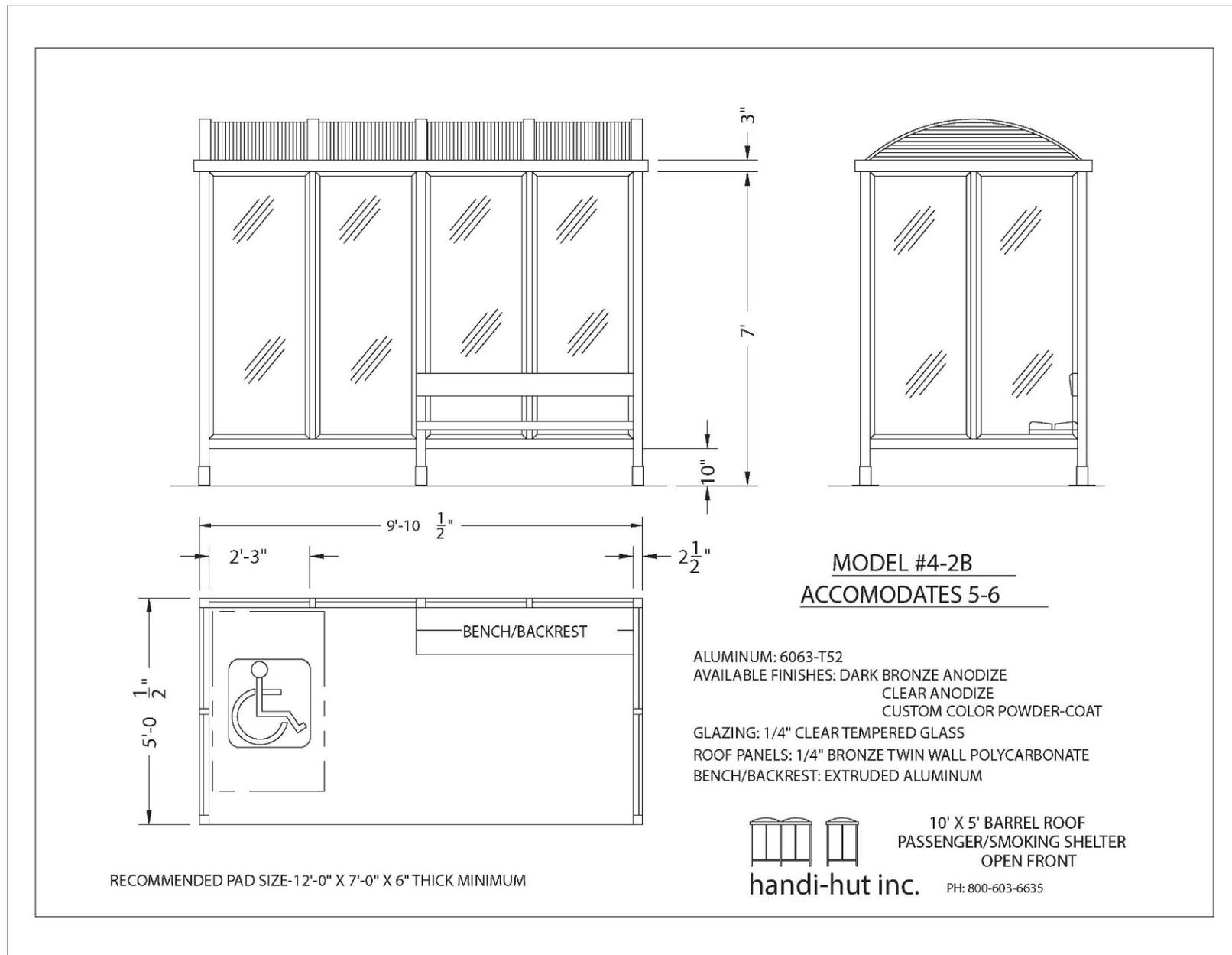
No further locations are currently planned.



Real-Time Information Display in Bloomfield, NJ.

# NJ TRANSIT Base Shelter

Handi-Hut Fair Lawn Plaza model specs



# Princeton Bus Shelter Enhancements

Research



## Public Art Installations



## Lighting / Photovoltaic



## Sponsorship Boards & Information Displays

# Princeton Bus Shelter Enhancements

Research



Bike Storage



Seating Upgrades / Backrest



Trash Receptacles

## Enhancements Explored but Not Recommended:

- Real-time Information Displays (Currently not offered by NJ TRANSIT)
- Bike Storage
- Weather Protection Elements (wind shields, heaters, fans)
- Advertising Boxes
- Mounted Trash Receptacles (recommend to use municipal trash can)

# Green Roofs



9/14/2015

Princeton Bus Shelter Enhancement

# Princeton Bus Shelter Enhancements

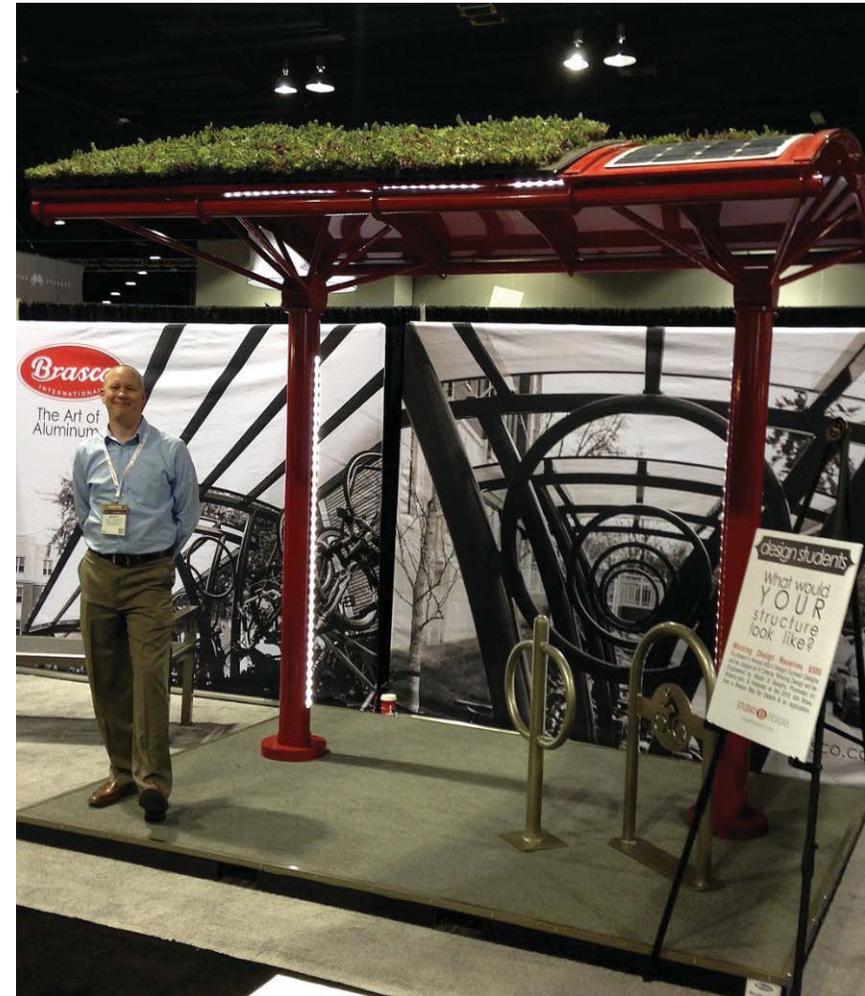
Brasco green roof package



## 'Living roof' brightens downtown bus shelter



Robert Kirkham/Buffalo News Combined talents of, from left, David G. Lanfear, Kevin V. Connors and Mike Jackson have turned NFTA's bus shelter at North Division and Ellicott Streets into a green success story.



Buffalo, New York 2012

## Two Hyde Park Bus Shelters Adorned with 'Living Roofs'

In line with the mayor's Climate Action Plan, each roof can retain up to 24 gallons of water

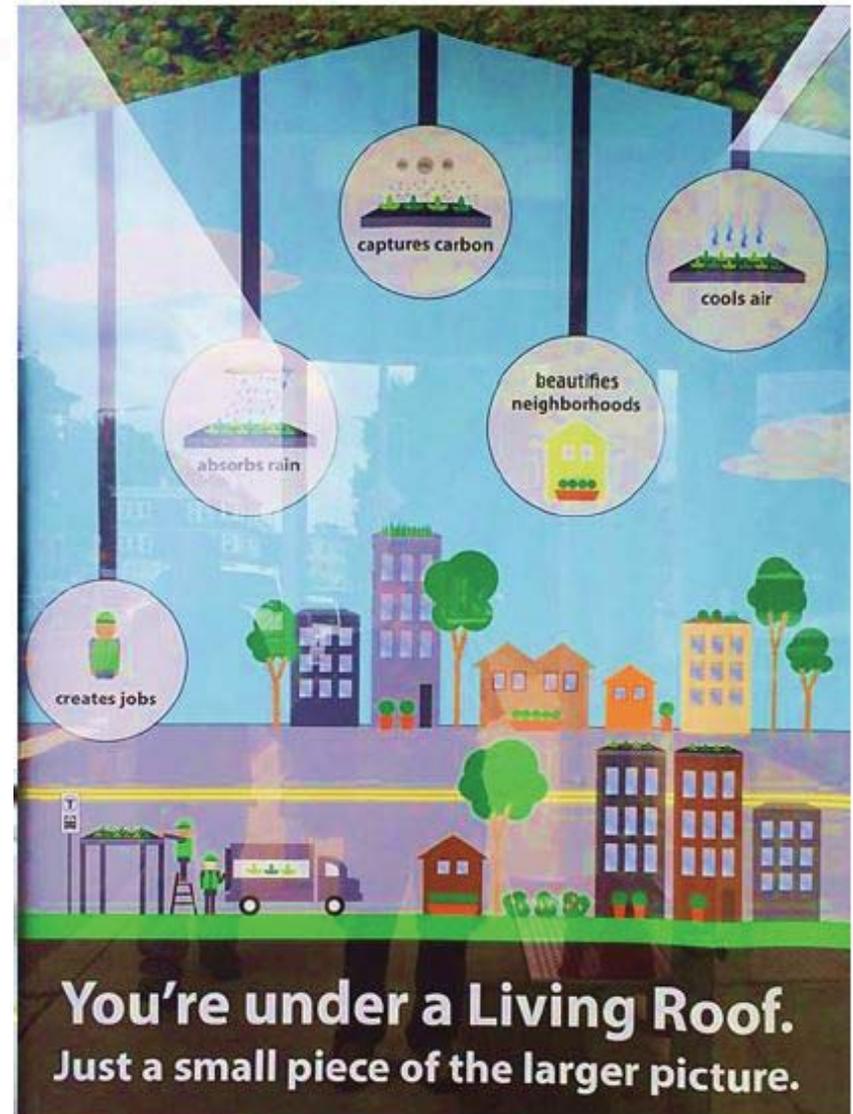
Collin Spinney - Intern  
06/01/15 @ 12:59pm in City News

1.4K

streetcred 23 twitter 92 facebook send via email share



Curt Spalding, EPA regional administrator holds the EPA Living Roofs informational poster with project coordinators Michael Chavez and Trevor Smith and members of YouthBuild Boston.

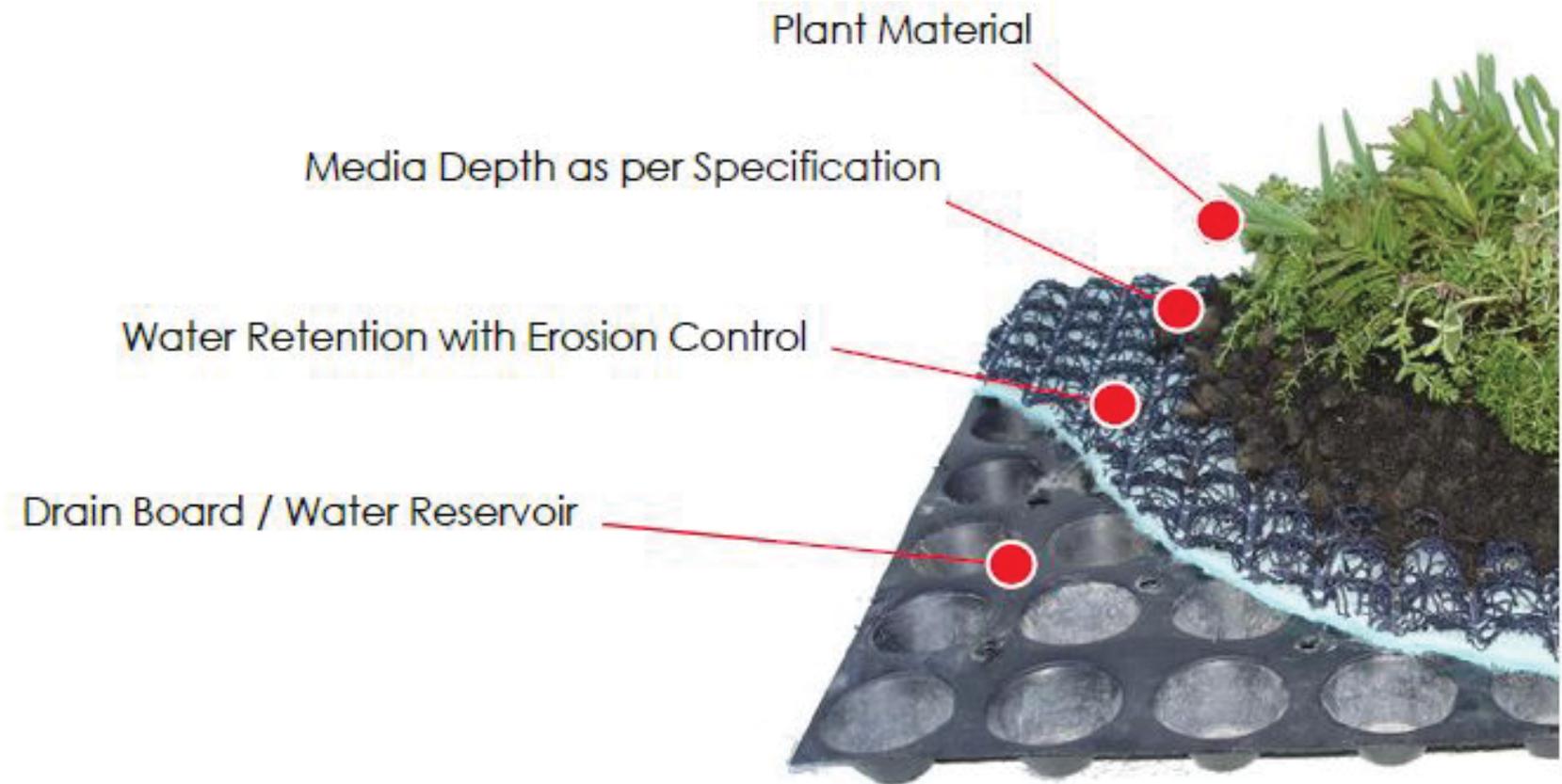


# Princeton Bus Shelter Enhancements

Brasco green roof package



Green Roof Package :  
Green Material : \$25 / sq ft  
Roof + Green Material  $\approx$  \$2,450  
(can be applied to Handi-Hut  
Base Shelter)



## Maintenance Considerations

- Plant material would be low maintenance based on climate
- Needs periodic watering and weeding
- Will require a 4-6ft. step ladder to reach green roof
- Average weight is 15 lbs/square foot saturated (with 3" media/plant material)
- For roofs with a pitch of less than 25 degrees
- Plant material costs are \$25/sq foot

# Princeton Bus Shelter Enhancements

Existing Stop – Harrison @ Spruce Circle



# Princeton Bus Shelter Enhancements NJ TRANSIT Base Shelter



# Princeton Bus Shelter Enhancements NJ TRANSIT Base Shelter w/ Green Roof & Logo



9/14/2015

Princeton Bus Shelter Enhancements & Upgrades

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# Princeton Bus Shelter Enhancements

Existing Stop – Nassau @ Moran (St. Paul's)





# Princeton Bus Shelter Enhancements NJ TRANSIT Base Shelter w/ Green Roof & Logo



# Possible Location for Upgraded Bus Shelter

Existing Stop – Nassau @ Palmer Square



# Possible Location for Upgraded Bus Shelter



# Princeton Bus Shelter Enhancements Existing Stop – Palmer Square



# Princeton Bus Shelter Enhancements Upgraded Shelter w/ Green Roof & Logo



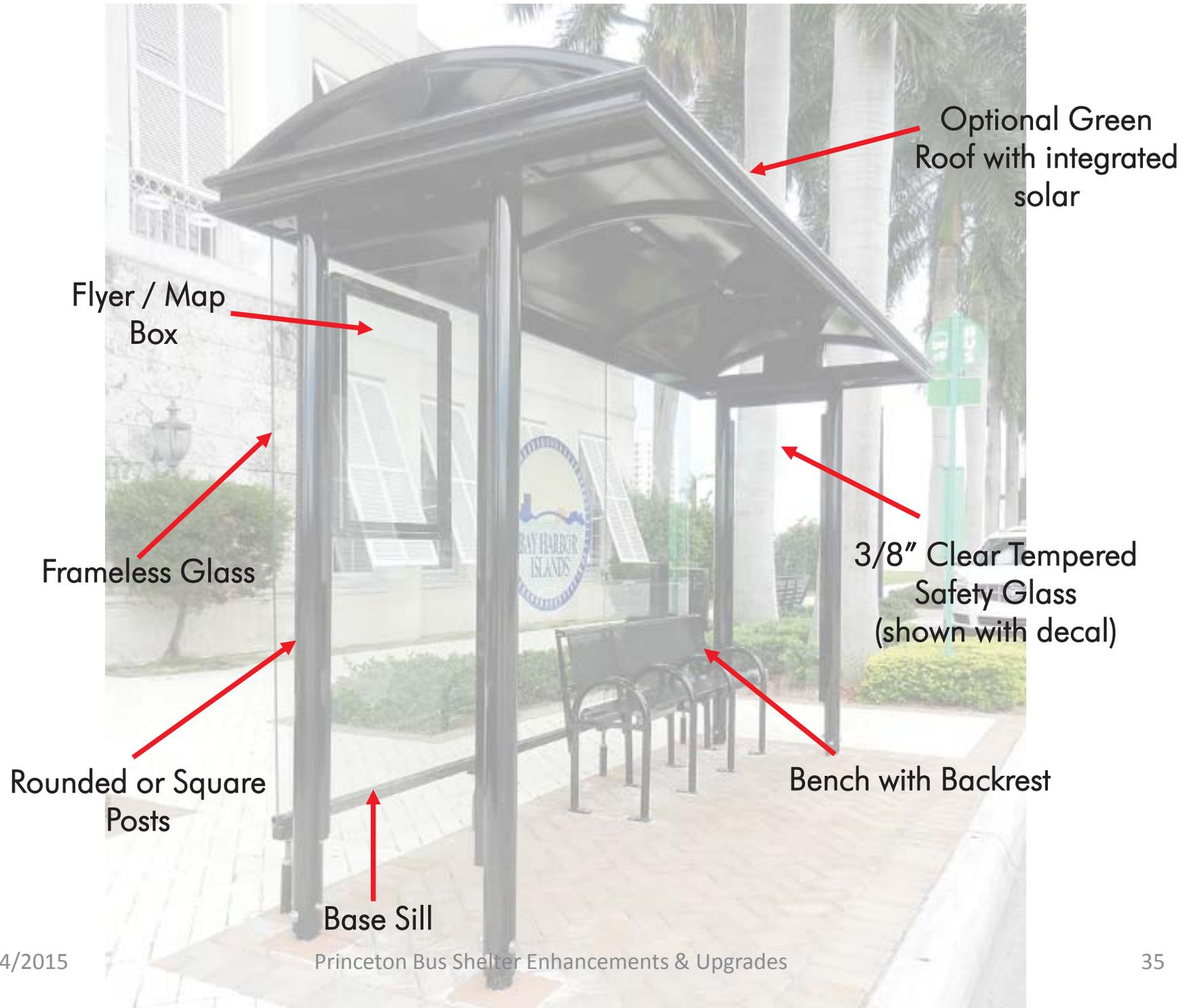
# Upgraded Bus Shelter

Brasco Bayline model

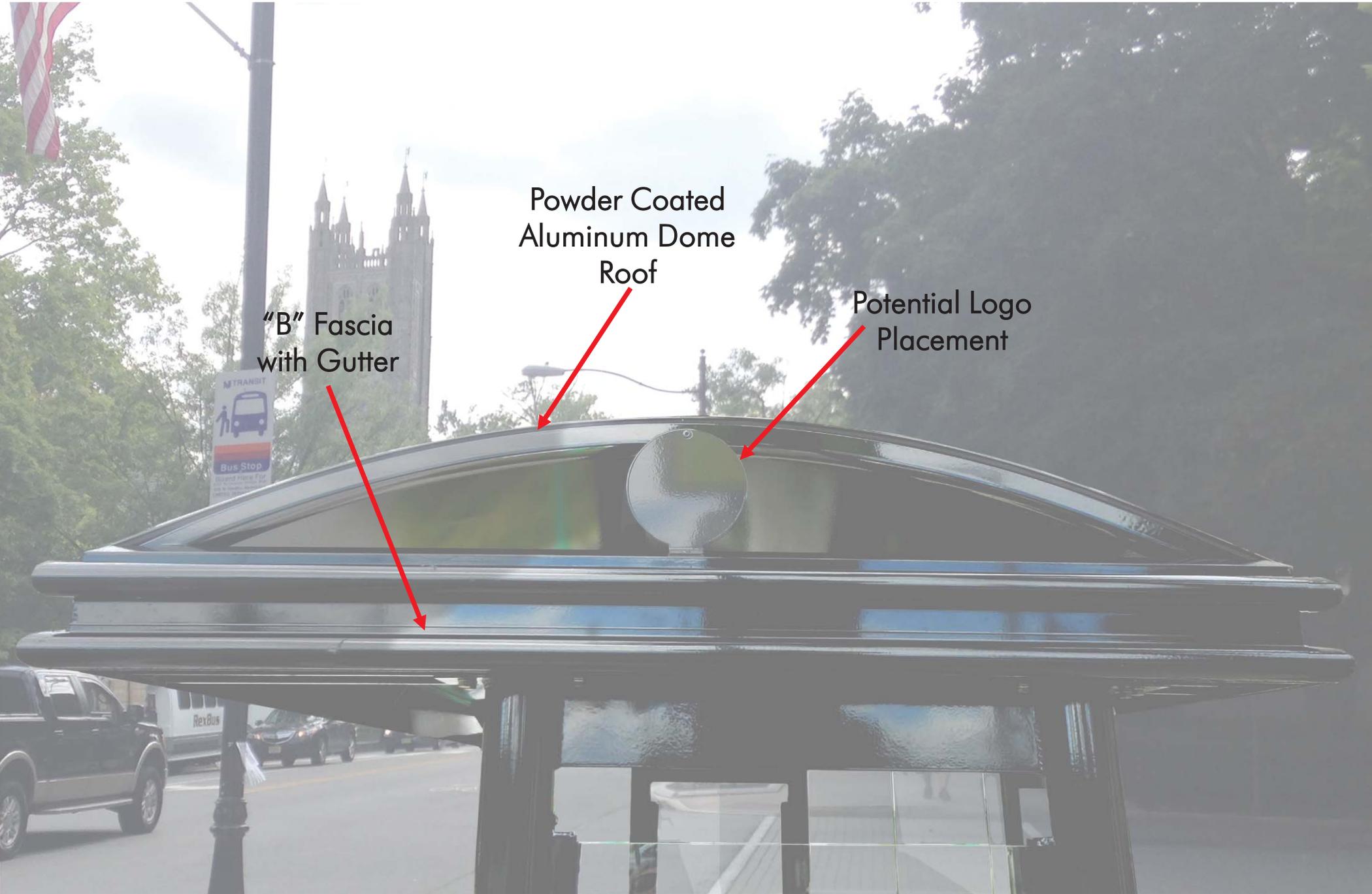


# Upgraded Bus Shelter

Brasco Bayline model



# Upgraded Bus Shelter



Powder Coated  
Aluminum Dome  
Roof

"B" Fascia  
with Gutter

Potential Logo  
Placement

# Upgraded Bus Shelter with Municipal Logo

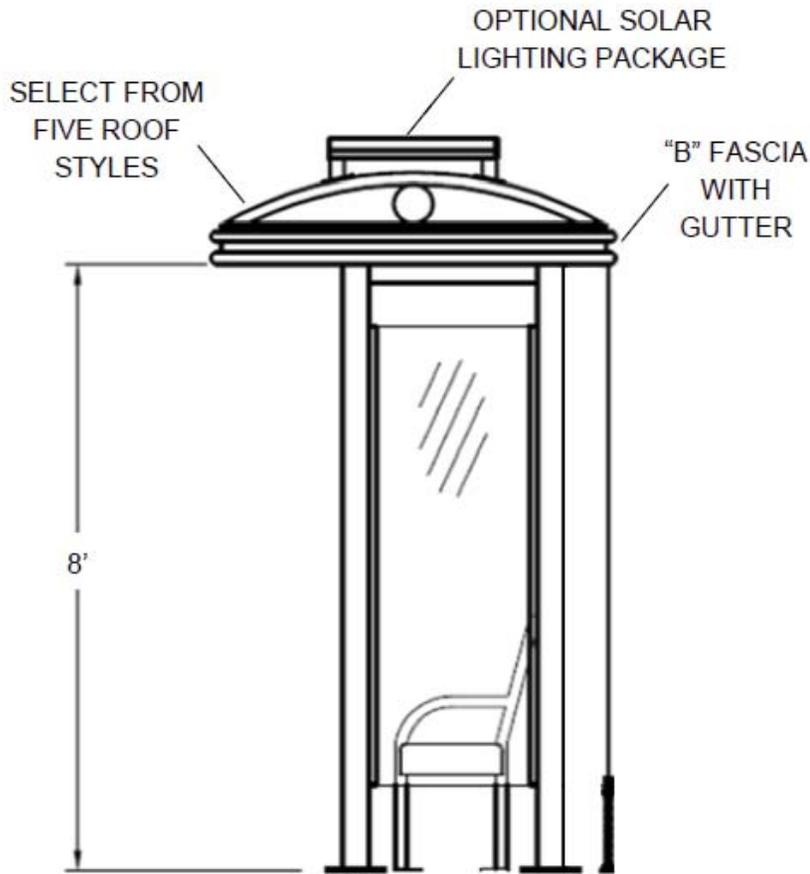


# Upgraded Bus Shelter with Green Roof & Municipal Logo



# Upgraded Bus Shelter

## Brasco Bayline model specs



### STANDARD SIZES

Widths	4'6", 5'8"
Length	9', 13, 17', 20', 24'

### ROOF OPTIONS

Roof Style	Dome, Low Peak, High Peak, Hip, Mansard
Roof Panels	Bronze, White, Lexan, Powder Coated Aluminum

### GLAZING OPTIONS

3/8" Clear Tempered Safety Glass
Acrylic
Polycarbonate
Aluminum or Steel Wire Grid
Perforated Aluminum or Steel
Glass Decal, Ceramic Frit, or Other (Safety Dots, Victorian Fencing, Custom Logos or Pattern)

### ILLUMINATION OPTIONS

Conventional	110 Volt LED Lighting
Solar Powered	LED Lighting with Battery Box & Solar Panel
Advertising Box	110V or Solar Powered LED Package

### COMPLIMENTARY STREET FURNISHINGS

Bench, Waste Receptacle, Leaning Rail, Bike Rack, Freestanding Advertising Kiosk
----------------------------------------------------------------------------------

# Possible Location for Upgraded Shelter



Relocate shelter from under canopy – creates opportunity to repurpose and better utilize space under canopy

# NJ TRANSIT Base Shelter (5' x 10')

## Pricing Matrix

Base Model	Description	Price
NJ TRANSIT Base	<b>Handi-Hut:</b> 1/4" twin polycarbonate barrel roof, 1/4" clear tempered glass, extruded aluminum bench and backrest	Provided by NJ TRANSIT

Additional Enhancements	Description	Price
Public Display Panel	Framed Case with interior slot for printed material, flyers, maps, local artwork, etc.	n/a with selected model
Photovoltaic Panel	<b>Handi-Hut:</b> Provides up to 36 hours of light. Photocell control integrated into system. Charges in 4-6 hours of sunlight. Automatic turn on / shut off. Includes 24" Light Fixture with 48 super bright LEDs and protective cover.	\$495
Green Roof	Not Available	n/a with selected model
Upgraded Seating	<b>Handi-Hut:</b> Free standing 6' length, with anit-vagrant Bars	Included in NJ Transit Base
Municipal Logo	Not Available	n/a with selected model
Facia	<b>Handi-Hut:</b> Contemporary Facia for Shelter	\$195
Public Art Installation	To be determined	Varies



# NJ TRANSIT Base Shelter with Green Roof & Logo (5' x 10')

## Pricing Matrix

Base Model	Description	Price
NJ TRANSIT Base	<b>Handi-Hut:</b> 1/4" twin polycarbonate barrel roof, 1/4" clear tempered glass, extruded aluminum bench and backrest	Provided by NJ TRANSIT

Additional Enhancements	Description	Price
Public Display Panel	Framed Case with interior slot for printed material, flyers, maps, local artwork, etc.	n/a with selected model
Photovoltaic Panel	<b>Brasco:</b> 100 watt flex panel, battery, solar controller, vented enclosure with matching finish, 5 watt LED light	\$1,475
	<b>Handi-Hut:</b> Provides up to 36 hours of light. Photocell control integrated into system. Charges in 4-6 hours of sunlight. Automatic turn on / shut off. Includes 24" Light Fixture with 48 super bright LEDs and protective cover.	\$495
Green Roof	<b>Brasco:</b> Green Roof	\$2,450
Upgraded Seating	<b>Handi-Hut:</b> Free standing 6' length, with anti-vagrant Bars	Included in NJ Transit Base
Municipal Logo	<b>Brasco:</b> Graphic applied to roof ends	\$250
Public Art Installation	To be determined	Varies



# Upgrade Shelter - Brasco Bayline Shelter (5' x 13')

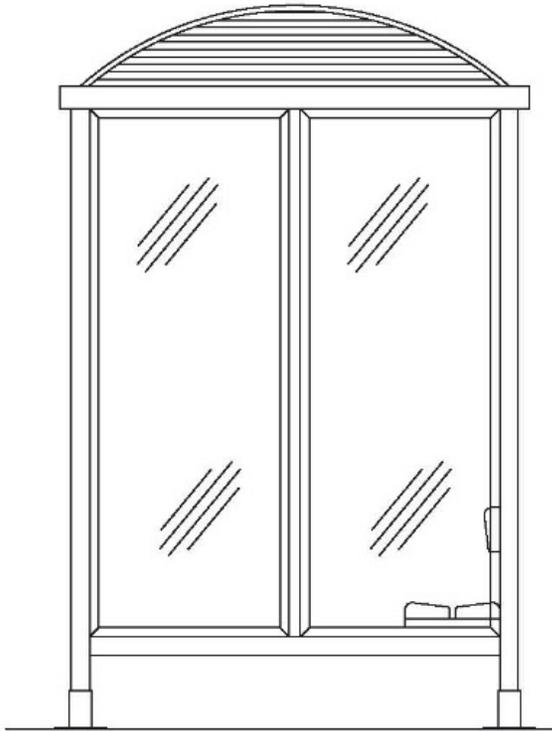
## Pricing Matrix

Base Model	Description	Price
Brasco Bayline	<b>Brasco:</b> Dome roof with B fascia gutterf, 3/8" clear tempered safety glass, rounded or squared posts, frameless glass or sills, 110 volt LED lighting	\$6,775

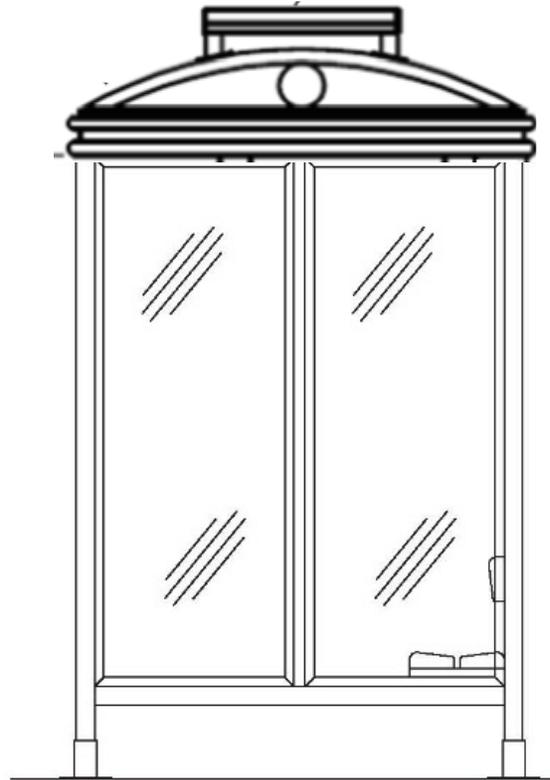
Additional Enhancements	Description	Price
Public Display Panel	<b>Brasco:</b> 2' x 3' schedule holder mounted to rear wall	\$450
Photovoltaic Panel	<b>Brasco:</b> 100 watt flex panel, battery, solar controller, vented enclosure with matching finish, 5 watt LED light	\$1,475
Green Roof	<b>Brasco:</b> Vegetation layer, drainage system, and edge containment	\$2,450
Upgraded Seating	<b>Brasco:</b> 6' Curveline aluminum bench with backrest	\$775
Municipal Logo	<b>Brasco:</b> Graphic applied to roof ends	\$250
Public Art Installation	To be determined	Varies



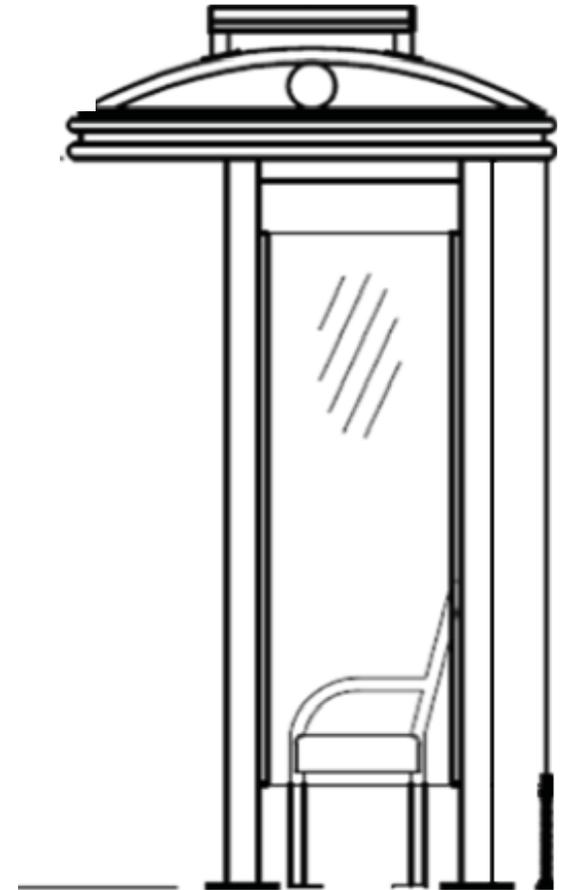
# Bus Shelter Model Profile Comparisons



**NJ TRANSIT Base Model**



**NJ TRANSIT Base Model  
with Brasco Roof**



**Brasco Bayline Shelter**

\*not to scale

Michael Yaffe  
Looney Ricks Kiss  
Phone: 609-683-3600  
Email: [Myaffe@lrk.com](mailto:Myaffe@lrk.com)

September 2, 2015

Re: 5' x 12' Bayline Bus Shelter Pricing

We are pleased to provide the following quotation per your request. We propose to manufacture and deliver three (1) 5' x 12' Bayline Series Bus Shelter with the city of South Bend's shelter specifications.

**Features are as follows:**

- Bayline Series 5' x 12' Aluminum Structure
- Three Sides with Open Front
- Traffic Black Powder Coat Painted Aluminum Finish – RAL 9017
- 3/8" Clear Tempered Safety Glass
- Low Profile Aluminum Barrel Vault Roof in Matching Finish with Open Ends Circle Detail
- "B" Fascia with Integral Gutter System
- Freight Included – FOB Destination (Princeton, NJ)
- Hardware Included and Tax is N/A
- Installation Is Not Included
- Estimated Lead Time: ±10-12 weeks after all approvals
- Terms: 50% Deposit with Order; 50% Balance Net 30 Days with Approved Credit
- Three (3) BL512 @ \$6,775/each
- **Total: \$20,325**
  
- 2' x 3' Schedule Holder for Rear Wall Add: \$450/each
- Princeton Borough Graphic for Roof Ends Add: \$250/shelter
- 6' Curvline Aluminum Bench with Backrest Add: \$775/each
- Solar Lighting Package with 100 Watt Flex Panel, Battery, Solar Controller, Vented Enclosure with Matching Finish and 5 Watt LED Light Add: \$1,475/each
- Custom Green Roof System with Vegetation Layer, Drainage System, and Edge Containment Add: \$2,450/shelter

Note: Price is valid for 30 days; Shelter must be anchored into concrete (consult local building codes); NJ Engineering Stamp, if requested, is an additional \$975; Offloading shipments is the responsibility of the customer; Forklift with extensions is required for delivery; Brasco Shelters are shipped with prefabricated roofs; Orders cannot be changed or cancelled after final approval.

Sincerely,



Sean Loewe, Sales Consultant

Acceptance Authorization\*

\_\_\_\_\_

Title & Date \_\_\_\_\_

\*The above prices, specifications, and conditions are satisfactory and are hereby accepted. Brasco International, Inc. is authorized to do the work as noted. Brasco International, Inc. is a vendor and not a contractor or subcontractor. Brasco International, Inc. is not subject to any payment retainage or liquidated damages.



Brasco International Inc.  
32400 Industrial Drive, Madison Heights, MI 48071



Brasco

Shelter environments without limits

## Brasco Price Quote

# Upgraded Shelter: Bayline Series with Select Enhancements