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| **Department:** | **Eng & Public Works**  | **Area:** | **Roads** |  |
| **Subject:** | **Bitamous Applicator**  |

**SAFEWORK PROCEDURE – BITAMOUS APPLICATOR**

**Background:**

This unit is used to apply melted bitamous (tar-like) material on roadways where reflectors (cat eyes) are being installed.

Using this machine requires four workers: two trucks with drivers, the applicator operator and a worker installing reflectors.

**HAZARDS:**

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| * Burns
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**PPE:**

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| * Gloves
 | * Safety glasses
 | * Long sleeves
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**Operation:**

* Tools required: heavy hammer, panelling bar
* Break up two blocks of bitamous and place into Applicator.
* Ensure propane cylinder is full.
* Light the burners on the front of the Applicator with a butane torch.
* Allow 20 minutes for bitamous to melt, then take off lid and stir with wooden stick.
* Once ¾ of material has melted, add another bitamous block and continue heating for up to an hour.
* While waiting for bitamous to melt, break up 2-3 more bitamous blocks for later use.
* Load the truck with cat eye reflectors (300 yellow and 100 white).
* Once material has melted, load unit onto trailer and go to pre-determined location.
* Set up lane closures and work zones as per traffic control procedures.
* Line up “lead” truck, Applicator operator, Reflector installer and then “rear” truck with arrow board.
* The “lead” truck operator will watch for broken reflectors and will chip them off when necessary with the panel bar.
* Once removed, the Applicator operator will put down a 4” puddle of bitamous tar and the Reflector installer will put a reflector directly onto puddle and step on it to “set it”. Note: when placing white reflectors, ensure the reflective side is facing oncoming traffic.
* Distances are pre-set for reflector spacing.
* At the end of the day/job, dump excess bitamous from applicator back into the original boxes they came out of.

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| **Date Written: 2010-Mar-15****Revision Date:**  | **Written by: Fred Walkosky** **Manager’s Approval: Brian Denbigh** |