SOUNDTHINKING™

ResourceRouter™

Statement of Work

Version 3.1

Document Control

Date	Version	Details/Changes	Author
April 2021	1	Initial draft	Nasim Golzadeh
August 31, 2021	2.0	Updated Network configuration	Nikhil Mehta
September 21, 2021	2.0	Updated Appendix A Crime Event Dataset	Nikhil Mehta
April 10, 2023	3.0	Rebranding	Nikhil Mehta
February 15, 2024	3.1	Added the Data Relay	Nikhil Mehta

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1 OVERVIEW

1.1 Statement of Work

This Statement of Work (SOW) defines the services and deliverables that SoundThinking, Inc. ("SoundThinking") will be providing in accordance with the terms and conditions of the SoundThinking Master Services Agreement and its ResourceRouter™ Addendum (the "Agreement") between SoundThinking and Customer.

1.2 General Customer Responsibilities

In addition to those Customer responsibilities stated elsewhere in this SOW, the Customer is responsible for:

1) Network/communications connections (e.g., LAN/WAN, commercial wireless, telephone, VPN, and other voice/data connections), or ongoing network/communications charges associated with installation, operation or support of the proposed system including the establishment and maintenance of security accounts.

2) The installation, configuration, maintenance (including patch management and upgrades of Microsoft software required by the System.

3) Any hardware and third party software or services necessary for implementing the System that is not listed in the Agreement as a SoundThinking Deliverable (not listed as a line item in the Price and Payment section of the Agreement). This includes workstations, server hardware, network equipment, telephone or TDD equipment, performance test software, Microsoft licenses, Disaster Recovery Software, and services required to extract legacy data and convert it into acceptable data formats.

4) Active participation of the appropriate personnel with the necessary background knowledge and availability in the Project implementation meetings and working sessions during the course of the Project.

5) The provision of the necessary RMS and GIS data as requested by SoundThinking staff. This information must be provided on a timely basis in order to meet the project timelines. This information will be provided in a format requested by SoundThinking staff in accordance with SoundThinking Documentation.

6) Assistance with any non-SoundThinking systems and/or databases the ResourceRouter application or import process will interface with in order to obtain data or provide functionality. Common examples include provision of data dictionaries, ODBC connectivity, and information pertaining to the type, location, and structure of data in the source, RMS or data file(s).

1.3 Project Exclusions

1) Any modification to SoundThinking standard products or customizations to such products that are not explicitly stated in the Agreement are excluded from the scope of this Project.

2) SoundThinking is not responsible for data cleaning for RMS or other Customer supplied data.

3) SoundThinking is not responsible for the cost of data export from third party applications such as RMS or other systems and databases.

4) This project does not include creation or modification of GIS data by SoundThinking staff.

2 PROJECT ROLES AND RESPONSIBILITY

2.1 SoundThinking Roles and Responsibilities

SoundThinking will appoint a team of specialized personnel that will implement the Project under the direction of SoundThinking's Project Manager. The team will be multi-disciplinary, and the team members may specialize in different products or Subsystems. Team members may be engaged in different phases of the Project as necessary and in some cases are involved in the Project for a limited timeframe.

1. Project Manager & Implementation Specialist

    SoundThinking has appointed a Project Manager as the principal contact who will be responsible for managing SoundThinking's responsibilities related to the implementation of the Project, as described in this SOW and within the scope of the Agreement. This person also specializes in GIS (Geographic Information Systems), ETL (Extract, Transform, Load) data processes, and public safety analysis. This individual is responsible for assisting with software installation and configuration, assessing GIS and other data, configuring the SQL, geocoding, and ETL middleware interfaces and configuring the end user application.

2. Trainer

    Training for SoundThinking applications is provided by SoundThinking Training Specialists.

3. Customer Success Director

    SoundThinking will appoint a Customer Success Director, who will be responsible for assisting the agency with onboarding, consulting regarding implementing best practices and working with agency's Crime Analysts to maximize the product features and benefits.

4. Technical Support Engineer

    After Go Live (live operational use of the System), SoundThinking's Customer Services Group is responsible for providing on-going support for the Customer's System. These activities will be performed by and coordinated through the Technical Support Engineer. Our Technical Support team can be contacted at support@SoundThinking.com.

2.2 Customer Roles and Responsibilities

Implementation of the ResourceRouter Application in a manner that meets the Customer's operational needs requires collaboration with the Customer's team. In general, the Customer's Project team should include staff experienced in the operation and administration of the Customer's current public safety technology systems, as applicable to the scope of this project.

These recommendations do not speak to specific positions. Rather, this information defines specific responsibilities and estimated time commitments. The Customer may elect to create individual positions, combine responsibilities, and/or assign responsibilities within their current organizational structure. The Customer needs to periodically assess its staffing needs based on changes in the Customer's operational use of this technology.

1. Customer Project Manager

The Customer's Project Manager is the principal Customer contact who will manage or oversee a team of Customer Project personnel assigned to the project. The Customer's Project Manager manages and coordinates Customer's resources responsible for completing assigned Project tasks and activities. These activities include facilitating Project schedules and meetings, applicable configuration sheets, and management of the Customer's staff. Additionally, the Customer's Project Manager is responsible for coordinating the efforts, activities, and communications between SoundThinking and third party vendors that are not SoundThinking Subcontractors, as well as any deliverables from these vendors to the Project.

2. GIS Analyst

The GIS Analyst is responsible for the mapping components required for the ResourceRouter Application. Activities include providing the initial GIS shape files to SoundThinking and geo-verification of the RMS data [Appendix B – GIS Data Specifications]

3. Subject Matter Expert(s)

Input from subject matter experts is essential to successful implementation of the system. The subject matter expert(s) in each area are the individuals who are knowledgeable about the current operational and technical specifications of the system, as well as the policing practices, needs, and procedures. It is also necessary for an expert to be involved in discussions between SoundThinking and RMS vendors to ensure proper data mapping and data transfer.

4. ResourceRouter Administrator

ResourceRouter Administrator(s) will be responsible for the management of the application, including configuring users, allowing permissions, as well as coordinating ongoing internal user training. This person or persons will be engaged in the implementation of the system and will participate in making decisions relating to its configuration.

3 IMPLEMENTATION OF RESOURCEROUTER APPLICATION

3.1 Overview

The ResourceRouter Application will be implemented through a series of standard steps and process gates.

As the initial step in the implementation process, SoundThinking will host a demonstration of the ResourceRouter application and walk through the general functionality of the application and experience for each type of users. This step will help with establishing the way the application will be ultimately utilized by the Agency and will also help explain the data requirements. This initial walk through will also identify configuration decisions the Agency will need to make prior to Go Live, as well as serve as a brainstorming session for creating policies and procedures surrounding the use of ResourceRouter.

The next step in the implementation process is obtaining data from the Agency, validating the data, and uploading the data into the system.

Since the delivery data is the first step in the system setup and configuration activities, it is critical that the required data is delivered to SoundThinking in a timely, accurate and complete manner to ensure that the subsequent project tasks are not delayed. Example of the initial data that shall be delivered to SoundThinking by the Agency are a set of shapefiles and geocoded historical crime data. Once the historical crime data and shape files are delivered to SoundThinking, both items are validated for completeness and compliance with the required format. The crime data is then uploaded to the system and mapped to the jurisdictional boundaries. As the next step in the process, SoundThinking maps the historical crime data into corresponding crime classes based on UCR/NIBRS codes for the purpose of modeling.

If the Agency is a current SoundThinking Respond user (at least for one full year), the coverage area boundary and gunshot data is also uploaded to the system.

If the Customer has been a SoundThinking Respond customer where Gunshot data exists for at least two years, the Gunshot data detected by SoundThinking Respond within the coverage area can be modeled into gunfire patrols and the coverage boundaries and gunfire patrols will be modeled for presentation at Go Live.

At this point, the patrol area configurations are created for City, District and Beats and the historical data is used to train the crime models to determine dosage. Before the system is ready for user training, model performance validation is completed in order to ensure that each crime model passes the performance criteria.

At this stage of the Project, final configurations will be made alongside decision makers at the Agency, all users will be trained on the application, best practices and success measurements will be both determined and deployed, and the Go Live is commenced.

3.2 Prerequisite Data Collection and Preparation

The Customer's preparation and delivery of prerequisites to the SoundThinking Project team is a critical gate for starting the implementation work. Lack of appropriate or complete data, or certain capabilities in the system will result in less-than-optimal results, or limitations in gaining full benefit from the ResourceRouter Application.

3.2.1 Data Prerequisites to be Provided by the Customer

Crime Data - 5 years of crime data from RMS (details in

1. Appendix A – Crime event dataset). It is important that the historical crime data is geo coded correctly in State Plane or WGS84 projection.

2. **Shapefiles and Geo Variables** - City jurisdiction, Police beats and districts shapefiles (details in Appendix B – GIS Data Specifications). It is important that shapefiles do not have any topology errors, and in case of any errors, they are corrected before uploading to the system. The typical examples of topological errors include overlapping boundaries. Once ready, SoundThinking will upload the shapefiles to the system. These shapefiles are used to create the patrol areas.

3. **SoundThinking Data** - If the Customer is a SoundThinking Respond customer **and** SoundThinking has gunshot data for at least 2 years, then the Respond coverage boundary and gunshot data will be uploaded to the system and will be used in "Gunfire" crime model.

4. **Vehicle ID** – For location service, each cellular modem that is installed in the patrol car needs to be configured with a unique identifier that could be a vehicle ID, badge number, beat number, batch number, etc. something that the officers commonly use. A list needs to be provided to SoundThinking for configuring the location service in ResourceRouter.

5. Officers using ResourceRouter in the field will need to enter the above determined number upon entering the application. The system then matches the Agency chosen number with the username and provides the officer or user access to the appropriate user interface that is associated with their user permissions (determined by the Agency).

6. The vehicle ID list is required before the system Go Live and must be updated if the list changes. Each Customer administrator(s) will maintain an updated vehicle list and make changes as required to ensure user access and accuracy.

7. **User List** – List of users with appropriate role, as specified in (Appendix E – User list template). Once the initial list of users have been provisioned in the system, the ongoing user administration will be managed through "Admin Portal" by the Customer administrative staff, which is a SoundThinking User Management tool. Four user types will be provided to utilize and administer the application:

   - **Patrol:** Has access to all functionality for "In the field" mode and is mainly for the patrol or line-level officer who is assigned to visit directed patrol areas. Does not have access to "In the office" mode.
   - **Supervisor:** Has access to all "In the field" mode functionality and some "In the office" mode functionality to include directed patrol box suppression, ad-hoc patrol creation, and report generation.
   - **Analyst:** Has access to same "In The Office" mode functionality as the Supervisor role plus some administrative functionality such as configurations for patrols, crime models, tactics and ad-hoc patrol types. Does not have access to "In the field" mode.
   - **Administrator:** Has access to all Analyst functionality plus vehicle management. This role also has access to ResourceRouter user management functionality in the SoundThinking Admin application. Does not have access to "In the field" mode.

3.2.2 GPS Prerequisites to be Provided by the Customer (if Agency using GPS rather than officer "self-reporting method")

Note: ResourceRouter can be successfully deployed using the officer "self-reporting" method, by which they manually enter when they enter and leave a directed patrol area, or that process can be automated via the use of a viable GPS solution that is compatible with ResourceRouter.

ResourceRouter is a precision-policing tool that uses artificial intelligence to direct officers to the locations with the highest risk of crime for a particular day and time to prevent crime before it occurs.

In order for the system to calculate the patrol time spent in each area and give better visibility into patrol activities to the command staff and the officers, the users can manually place themselves in and outside of the patrol areas. As an alternative the Agency may automate this process through the use of GPS to record the time spent in each patrol area.

To use ResourceRouter from the MDT browser SoundThinking requires the GPS packets to be sent from the cellular modem connected in the patrol car every 5 seconds. Using the GPS packets along with the vehicle ID while ResourceRouter was used "In the field" mode makes the accurate calculation of the patrol time in each of the patrol areas possible.

Modem should have the capability to send Trimble ASCII Interface Protocol (TAIP) packets to the remote server.

ResourceRouter supports the following two deployment options:

a) **Mobile Phone or Tablet – Any modern iOS or Android mobile phone that has GPS built-in.**
b) **MDT – Each patrol car must be equipped with the following:**
    o **An MDT with Windows 10 OS**
    o **An MDT running modern browsers (such as Chrome and Firefox) current or previous version.**
    o **An MDT with a build-in GPS**
c) **A cellular modem that is capable of sending GPS packets every 5 seconds to multiple endpoints which must include the ResourceRouter endpoint. It must also support sending GPS information using the Trimble ASCII Interface Protocol (TAIP).**

   Trimble ASCII Interface Protocol (TAIP) packets configuration to the remote server.
    o **TAIP – For Remote,**
        ▪ **Responses: PV**
        ▪ **Report Interval: 5**
    o **Additional Options**
        ▪ **Enable: checked**
        ▪ **Top of Hour: 0**
        ▪ **Checksum: checked**
        ▪ **Vehicle ID:**
        ▪ **gps-gateway.SoundThinking.com: port number (provided by SoundThinking)**

3.2.3 Network Configuration Changes

The URL that needs to be whitelisted or added to the trust zone on firewall by the Customer's IT administrator:

- https://hooks.prismatic.io/trigger/ - For upload the data file to the remote server.

3.3 Daily Crime Event Data Upload

For ResourceRouter configurations and models to run accurately, the crime event dataset needs to be extracted from the Record Management System (RMS) and uploaded to ResourceRouter at least once per day. Since RMS data is subject to change (offense code, location type, etc.), and these changes may alter the initial ingestion of historical crime data, it is necessary that the Agency provides updated records to SoundThinking. SoundThinking asks that a 30 day trailing record of any changes be provided to SoundThinking on a daily basis in a CSV file that is automated with the scripting process. SoundThinking will provide the scripts to upload the CSV file to the SoundThinking server. If the Customer is using a Windows system, the task scheduler needs to first extract the data (execute SQL script and then run the script to upload the data to the SoundThinking server.

Steps required for the event data file upload are as follows:

1. Identity a server which has access to RMS database to extract crime data.
2. Check if the server has curl installed, if not install curl from https://curl.haxx.se/windows/
3. Follow the instructions to setup system variable environment https://develop.zendesk.com/hc/en-us/articles/360001068567-Installing-and-using-cURL
4. After setting up system variable environment, open command prompt and run curl –help, to check if it returns the curl command option. If it returns an error, then check system environment settings.
5. Ensure server has Internet access (add URL given below to trust-zone in firewall).
6. Create a folder SoundThinking.
7. SoundThinking will provide the scripts for data upload.
8. Extract the crime data from the RMS into a CSV file named "DailyData_Upload.csv" and place it in the SoundThinking folder.

Column headers and data format of the CSV file will be the same as explained in

9. Appendix A – Crime event dataset. Use the five-year crime event dataset CSV file format.

10. For Windows systems, setup to run the batch file to upload the data.

11. Setup a remote session with SoundThinking to test the upload process.

3.4 Getting RMS/AVL Data via DataRelay

We can also get the data by installing DataRelay and pulling the RMS data and AVL data from the CAD database tables. DataRelay is a tool that automatically run SQL queries.

What we need, agency or county IT/DBA need to create a read only user and give access to the tables that has necessary data. SoundThinking will provide DataRelay.msi to be installed by the IT person on the server from where RMS and CAD database can be accessed. This is a one-time process, once setup SoundThinking will pull the RMS crime data for last 5 years and then get the data every 2 hours.

3.5 Application Configuration and Validation

The SoundThinking Implementation Specialist will configure and automate the ETL (Extract, Transform, and Load) processes, including configuring connection(s) to the RMS, and/or other data sources, SQL or text file imports, data processing, geocoding, and output and transfer of data.

The ResourceRouter application will be used to generate daily directed patrols, by beat and shift, for the Customer. The creation of these directed patrols will depend on SoundThinking implementation specialist to identify the necessary data, configure a data publishing tool and administrative application, and build the model to generate the directed patrol areas.

3.5.1   Application Configuration and Deployment

The SoundThinking Implementation Specialist will configure basic incident information for applicable crime types to ResourceRouter cloud environment, configure the initial crime types and models to be used, and configure the secure transfer and presentation of directed patrols in the ResourceRouter Application. Of note, the Customer will have the ability to change initial configurations post Go Live and agency personnel will be adequately trained to do so.

3.5.1.1   SoundThinking Responsibilities

a) Consult with the Customer on data and configuration options.

b) Provide script for transfer of data to SoundThinking.

c) Set the initial crime models, crime types, and other parameters for directed patrol generation.

d) Provide a system overview of the production system prior to Go Live.

3.5.1.2   Customer Responsibilities

Provide input relating to the data ingested, crime types modeled, patrol configurations created, geography selections, available tactics, and activities to be logged.

3.5.2   Installation

SoundThinking Implementation Team will provide the information for downloading the ResourceRouter Application and the Customer will be responsible for installing the application on all applicable devices.

If any installation activities are required for GPS devices and modems, those are within the responsibility of the Customer.

3.5.3   Model Validation

Once the system is configured, crime models are trained with historical data and each crime model undergoes a performance evaluation to ensure that all crime models are ready for production use.

3.5.4   Application Training

SoundThinking will work with the Customer to design training for agency personnel. This can be a combination of on-site, remote, or materials-based training and all decisions will be made in close collaboration with the Agency. The end user training is often performed post Go Live and on the Production system.

3.5.5   Go Live

Once the configuration, validation and Administration training activities are complete, SoundThinking and the Agency agree on a Go Live date when the System will be put into live production use. A service acceptance form will be presented to the Agency to document acceptance of the system for live operational use.

4 APPENDIX A – CRIME EVENT DATASET

For the initial setup and ResourceRouter configuration, five years of crime data is required with crime class standard codes using **NIBRS** (Nation Incident Based Reporting System). The data is extracted in a CSV file and will include the column fields listed below:

- Id: unique identifier for event within data source (example: 1)

- address: street address (example: 340 N 12th Street) Street number and name only

- pointx: Longitude

- pointy: Latitude

- class: Crime Class Code **(NIBRS/UCR Code)**

- datetimefrom:(ISO8601 datetime) - start time (example: 2012-01-01T13:00:23+00:00)

- datetimeto: (ISO8601 datetime) - end time (example: 2012-01-01 T13:00:23+00:00)

- report_time: (ISO8601 datetime) – crime occurred time (example: 2012-01-01 T13:00:23+00:00)

- last_updated: (ISO8601 datetime) – record last update (example: 2012-01-01 T13:00:23+00:00)

- datasource: describes the data source. This can be anything. Ex: RMS

Note: Date time format has to be in 24 hour format
The date time format 2012-01-01**T**13:00:00+00:00) or (2012-01-01 T13:00:23Z) where:

YYYY	- Year
MM	- Month
DD	- Date
T	**-** is just the separator that the ISO8601 combined date-time format requires.
HH	- Hour
MM	- Minutes
SS	- Seconds
00:00	- ISO8601 format offset applied
Z	- UTC format offset applied (2012-01-01 T13:00:23Z)

For example: Pacific Daylight Time, local date/time 2021-09-21 11:58:45

UTC time format, **2021-09-21T18:58:45Z**

ISO8601 format, **2021-09-21T18:58:45+00:00**

UTC -7 time format, local time **2021-09-21T11:58:45-07:00**

The data shall be provided to SoundThinking in the following format:

id	address	pointx	pointy	class	datetimefrom	datetimeto	report_time	last_updated	datasource
2000000	4521 OLEANDER DR	-77.8873	34.211	120	2019-11-13T00:43:00+04:00	2019-11-13T00:45:00+04:00	2019-11-13T00:46:17+04:00	2019-11-14T14:09:34+04:00	RMS

5 APPENDIX B – GIS DATA SPECIFICATIONS

All shapefiles are required to be in World Geodetic System (WGS84) projection. If the shapefile is multi-polygon, it needs to be merged as a single polygon. For example, if a district shapefile has more than one polygon and some have the same district, such as District 20, then all District 20 polygons should be merged as a single polygon.

- City Limit / Jurisdictions (single polygon)- Required
- Police Department Districts - Required
- Police Department Beats – Required
- Polygon data:
  - Gang Conflicts
  - Gang Factions

- Point data:
  - Liquor Stores
  - CTA rail stations
  - Hotels
  - Pawn shops
  - Metro stations
  - Tobacco stores
  - Massage business
  - Problem Buildings
    - Liquor establishment
    - Social clubs
    - Vacant
  - Service stations
  - Gas stations

All other geo variables are downloaded from Homeland Infrastructure Foundation-Level Data (HIFLD) and Open Street Map

6 APPENDIX E – USER LIST TEMPLATE

username	email	first_name	last_name	role	active
john.doe@POLICEDEPT.com	john.doe@POLICEDEPT.com	John	Doe	admins	TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE
					TRUE

7   APPENDIX F – UCR AND NIBRS CODES

	UCR	NIBRS	
	Violent Crime Highlight in yellow		
	Property Crime Highlight in blue		
	UCR	**NIBRS**	
1	0000 - NO CODE	N/A	N/A
2	0110 - HOMICIDE-MURDER	09A	PERSON
3	0120 - MANSLAUGHTER	09A, 09B, 09C	PERSON
4	0199 - Police Officer Line of Duty Death	09A	PERSON
5	0210 - RAPE- SEXUAL ASSAULT	11A	PERSON
6	0211 - RAPE - SEXUAL ASSAULT (New Definition)	11B, 11C	PERSON
7	0220 - ATTEMPTED RAPE	11A, 11B, 11C	PERSON
8	0311 - ROBBERY, FIREARMS, STREET	120	PROPERTY
9	0312 - ROBBERY, FIREARM, BUSINESS	120	PROPERTY
10	0313 - ROBBERY, FIREARM, GAS STATION	120	PROPERTY
11	0314 - ROBBERY, FIREARM, CONV STORE	120	PROPERTY
12	0315 - ROBBERY, FIREARM, RESIDENTIAL	120	PROPERTY
13	0316 - ROBBERY, FIREARM, BANK	120	PROPERTY
14	0317 - ROBBERY, FIREARM, MISC.	120	PROPERTY
15	0321 - ROBBERY, KNIFE, STREET	120	PROPERTY
16	0322 - ROBBERY, KNIFE, BUSINESS	120	PROPERTY
17	0323 - ROBBERY, KNIFE, GAS STATION	120	PROPERTY
18	0324 - ROBBERY, KNIFE, CONV STORE	120	PROPERTY
19	0325 - ROBBERY, KNIFE, RESIDENTIAL	120	PROPERTY
20	0326 - ROBBERY, KNIFE, BANK	120	PROPERTY
21	0327 - ROBBERY, KNIFE, MISCELLANEOUS	120	PROPERTY
22	0331 - ROBBERY/OTHER WEAPON, STREET	120	PROPERTY
23	0332 - ROBBERY/OTHER WEAPON, BUSINESS	120	PROPERTY
24	0333 - ROBBERY/OTHER WEAP/GAS STATION	120	PROPERTY
25	0334 - ROBBERY/OTHER WEAP/CONV STORE	120	PROPERTY
26	0335 - ROBBERY, RESIDENCE:OTHER WEAPON	120	PROPERTY
27	0336 - ROBBERY/OTHER WEAPON, BANK	120	PROPERTY
28	0337 - ROBBERY/OTHER WEAPON, MISC.	120	PROPERTY
29	0341 - ROBBERY, STRONG ARM, STREET	120	PROPERTY
30	0342 - ROBBERY/STRONG ARM, BUSINESS	120	PROPERTY
31	0343 - ROBBERY/STRONG ARM, GAS STATION	120	PROPERTY
32	0344 - ROBBERY/STRONG ARM, CONV STORE	120	PROPERTY
33	0345 - ROBBERY, STRONG ARM, RESIDENCE	120	PROPERTY
34	0346 - ROBBERY, STRONG ARM, BANK	120	PROPERTY
35	0347 - ROBBERY, STRONG ARM, MISC.	120	PROPERTY
36	0410 - ASSAULT WITH A FIREARM	13A	PERSON
37	0418 - ASSAULT, POLICE FIRED WEAPON	13A	PERSON
38	0419 - ASSAULT, POLICE, FIREARM	13A	PERSON
39	0420 - ASSAULT W/KNIFE OR CUTTING INST	13A	PERSON

	UCR	NIBRS	
40	0429 - ASSAULT, POLICE, KNIFE	13A	PERSON
41	0430 - ASSAULT WITH OTHER WEAPON	13A	PERSON
42	0439 - ASSAULT, POLICE, OTHER WEAPON	13A	PERSON
43	0440 - ASSAULT/AGG/HANDS, FISTS & FEET	13A	PERSON
44	0449 - ASSAULT, POLICE, AGG INJURY	13A	PERSON
45	0501 - BURGLARY, NON-RES, ATT FORC ENT, NIGHT	220	PROPERTY
46	0502 - BURGLARY, RESID. ATT FORC ENT, NIGHT	220	PROPERTY
47	0503 - BURGLARY/NON-RES. UNLAWF ENT, NIGHT	220	PROPERTY
48	0504 - BURGLARY, RESIDENT, UNLAW ENT, NIGHT	220	PROPERTY
49	0505 - BURGLARY, NON-RES FORCIBL ENT, NIGHT	220	PROPERTY
50	0506 - BURGLARY, RESID. FORCIBLE ENT, NIGHT	220	PROPERTY
51	0507 - BURGLARY, NON-RES, ATT FORC ENT, DAY	220	PROPERTY
52	0508 - BURGLARY, RESID. ATT FORC ENT, DAY	220	PROPERTY
53	0509 - BURGLARY/NON-RES. UNLAWF ENT, DAY	220	PROPERTY
54	0510 - BURGLARY, RESIDENT, UNLAW ENT, DAY	220	PROPERTY
55	0511 - BURGLARY, NON-RES FORCIBL ENT, DAY	220	PROPERTY
56	0512 - BURGLARY, RESID. FORCIBLE ENT, DAY	220	PROPERTY
57	0513 - BURGLARY, NON-RES, ATT FORC ENT, UNKNOWN	220	PROPERTY
58	0514 - BURGLARY, RESID. ATT FORC ENT, UNKNOWN	220	PROPERTY
59	0515 - BURGLARY/NON-RES. UNLAWF ENT, UNKNOWN	220	PROPERTY
60	0516 - BURGLARY, RESIDENT, UNLAW ENT, UNKNOWN	220	PROPERTY
61	0517 - BURGLARY, NON-RES FORCIBL ENT, UNKNOWN	220	PROPERTY
62	0518 - BURGLARY, RESID. FORCIBLE ENT, UNKNOWN	220	PROPERTY
63	0611 - LARCENY OVER 200 POCKET PICKING	23A	PROPERTY
64	0612 - LARCENY OVER 200 PURSE SNATCHING	23B	PROPERTY
65	0613 - LARCENY OVER 200 SHOPLIFTING	23C	PROPERTY
66	0614 - LARCENY OVER 200 FROM AUTOS	23F	PROPERTY
67	0615 - LARCENY OVER 200 AUTO PARTS AND ACCESSORIES	23G	PROPERTY
68	0616 - LARCENY OVER 200 BIKES	23H	PROPERTY
69	0617 - LARCENY OVER 200 FROM BUILDING	23D	PROPERTY
70	0618 - LARCENY OVER 200 FROM COIN MACHINE	23E	PROPERTY
71	0619 - LARCENY OVER 200 OTHER	23H	PROPERTY
72	0620 - LARCENY, MV HEADLIGHTS OVER 200	23G	PROPERTY
73	0621 - LARCENY 50 TO 200 POCKET PICKING	23A	PROPERTY
74	0622 - LARCENY 50 TO 200 PURSE SNATCHING	23B	PROPERTY
75	0623 - LARCENY 50 TO 200 SHOPLIFTING	23C	PROPERTY
76	0624 - LARCENY 50 TO 200 FROM AUTOS	23F	PROPERTY
77	0625 - LARCENY 50 TO 200 AUTO PARTS AND ACCESSORIES	23G	PROPERTY
78	0626 - LARCENY 50 TO 200 BIKES	23H	PROPERTY
79	0627 - LARCENY 50 TO 200 FROM BUILDING	23D	PROPERTY
80	0628 - LARCENY 50 TO 200 COIN OPERATED MACHINE	23E	PROPERTY

	UCR	NIBRS	
81	0629 - LARCENY 50 TO 200 OTHER	23H	PROPERTY
82	0631 - LARCENY UNDER 50 POCKET PICKING	23A	PROPERTY
83	0632 - LARCENY UNDER 50 PURSE SNATCHING	23B	PROPERTY
84	0633 - LARCENY UNDER 50 SHOPLIFTING	23C	PROPERTY
85	0634 - LARCENY UNDER 50 FROM AUTOS	23F	PROPERTY
86	0635 - LARCENY UNDER 50 AUTO PARTS AND ACCESSORIES	23G	PROPERTY
87	0636 - LARCENY UNDER 50 BIKES	23H	PROPERTY
88	0637 - LARCENY UNDER 50 FROM BUILDING	23D	PROPERTY
89	0638 - LARCENY UNDER 50 COIN OPERATED MACHINE	23E	PROPERTY
90	0639 - LARCENY UNDER 50 OTHER	23H	PROPERTY
91	0710 - MOTOR VEHICLE THEFT LOCALLY	240	PROPERTY
92	0711 - MV THEFT LOCALLY / Rec Locally (Attempts)	240	PROPERTY
93	0719 - MV THEFT, OTHER	240	PROPERTY
94	0721 - MV THEFT TRUCK/BUS	240	PROPERTY
95	0741 - RECOVERED STOLEN MOTOR VEHICLE S/LOC-REC/LOC	N/A	PROPERTY
96	0742 - RECOVERED STOLEN MOTOR VEHICLE S/LOC-REC/O-T	N/A	PROPERTY
97	0743 - RECOVERED STOLEN MOTOR VEHICLE S/O-T-REC/LOC	N/A	PROPERTY
98	0805 - SIMPLE ASSAULT.	13B, 13C	PERSON
99	0809 - SIMPLE ASSAULT/POLICE	13B, 13C	PERSON
100	0901 - ARSON, SINGLE RESD. INHABITED	200	PROPERTY
101	0902 - ARSON, OTHER RESD. INHABITED	200	PROPERTY
102	0903 - ARSON, STORAGE, INHABITED	200	PROPERTY
103	0904 - ARSON, INDUSTRIAL, INHABITED	200	PROPERTY
104	0905 - ARSON, OTHER/CMRCIAL, INHABITED	200	PROPERTY
105	0906 - ARSON, PUBLIC PROP. INHABITED	200	PROPERTY
106	0907 - ARSON, OTHER. STRUC. INHABITED	200	PROPERTY
107	0908 - ARSON, M.V.	200	PROPERTY
108	0909 - ARSON, OTHER MOBILE PROPERTY	200	PROPERTY
109	0910 - ARSON, ALL OTHER	200	PROPERTY
110	0911 - ARSON, SINGLE RESIDENCE, UNINHABITED	200	PROPERTY
111	0912 - ARSON,OTHER RESIDENCE UNINHABITED	200	PROPERTY
112	0913 - ARSON, STORAGE BUILDING, UNINHABITED	200	PROPERTY
113	0914 - ARSON, INDRUSTRIAL MANUFACTURING, UNINHABITED	200	PROPERTY
114	0915 - ARSON, OTHER COMMERICAL, ABANDON	200	PROPERTY
115	0916 - ARSON, COMMUNITY PUBLIC, ABANDON	200	PROPERTY
116	0917 - ARSON, ALL OTHER STRUCTORS, ABANDON	200	PROPERTY
117	0918 - ARSON, MOTOR VEHICLES, ABANDON	200	PROPERTY
118	0919 - ARSON, OTHER MOBLE VEHICLE, ABANDON	200	PROPERTY
119	0920 - ARSON, OTHER ABANDON	200	PROPERTY
120	1000 - FORGERY & COUNTERFEITING	250	PROPERTY

	UCR	NIBRS	
121	1100 - FRAUD	26A	PROPERTY
122	1101 - NONSUFFICIENT FUNDS CHECKS	90A	PROPERTY
123	1102 - FRAUD CREDIT CARDS	26B	PROPERTY
124	1103 - FRAUD ALL OTHERS	26D, 26E, 26F, 26G	PROPERTY
125	1104 - FRAUD PERSCRIPTIONS	26A	PROPERTY
126	1105 - FRAUD IDENTITY THEFT	26F	PROPERTY
127	1200 - EMBEZZLEMENT	270	PROPERTY
128	1310 - RECEIVE/POSESS STOLEN VEHICLE	280	PROPERTY
129	1320 - RECEIVE/POSESS STOLEN PROPERTY	280	PROPERTY
130	1410 - VANDALISM RESIDENCE	290	PROPERTY
131	1420 - VANDALISM BUSINESS	290	PROPERTY
132	1430 - VANDALISM CONSTRUCTION SITE	290	PROPERTY
133	1440 - VANDALISM SCHOOL	290	PROPERTY
134	1450 - VANDALISM PUBLIC BLDG/LAND	290	PROPERTY
135	1460 - VANDALISM M.V.	290	PROPERTY
136	1470 - VANDALISM OTHER	290	PROPERTY
137	1501 - WEAPONS OFFENSE KNIFE	520	SOCIETY
138	1502 - WEAPONS OFFENSE FIREARM	520	SOCIETY
139	1503 - WEAPONS OFFENSE ALL OTHER	520	SOCIETY
140	1600 - PROSTITUTION	40A, 40B, 40C	SOCIETY
141	1601 - GENERAL VICE PROBLEM	90Z	
142	1700 - SEX OFFENSE	36A, 36B, 11D	PERSON
143	1701 - PORNOGRAPHY PROBLEM	370	PERSON
144	1712 - MEGANS LAW FAILURE TO CHANGE ADDRESS	90Z	
145	1805 - LOITERING TO COMMIT CDS	90C	
146	1810 - SALE/MANU COCAINE/CODEINE/MORPHINE	35A	SOCIETY
147	1820 - SALE/MANU MARIJUANA/HASHISH	35A	SOCIETY
148	1830 - SALE/MANU SYNTHETIC	35A	SOCIETY
149	1840 - SALE/MANU OTHER	35A	SOCIETY
150	1841 - SALE/MANU/HEROIN	35A	SOCIETY
151	1860 - POSSESSION/USE COCAINE/CODEINE/MORPHINE	35A	SOCIETY
152	1870 - POSSESSION/USE MARIJUANA/HASHISH	35A	SOCIETY
153	1880 - POSSESSION/USE SYNTHETICS	35A	SOCIETY
154	1891 - POSS/USE HEROIN	35A	SOCIETY
155	1892 - OVERDOSE	90Z	
156	1910 - GAMBLING: BOOKMAKING	39B	SOCIETY
157	1920 - GAMBLING: NUMBERS	39A	SOCIETY
158	1930 - GAMBLING	39A, 39B, 39C, 39D	SOCIETY
159	2000 - CHILD ABUSE OR NEGLECT	90F	
160	2001 - CUSTODIAL INTERFERENCE	100	PERSON

	UCR	NIBRS	
161	2002 - CRIMINAL NONSUPPORT	90F	
162	2100 - DUI ALCOHOL OR DRUGS	90D	
163	2200 - LIQUOR LAWS	90G	
164	2400 - DISORDERLY CONDUCT	90C	
165	2402 - WANDERING TO COMMIT CDS OFFENSE	90C	
166	2410 - OBSTRUCTING JUSTICE	90Z	
167	2420 - RESISTING/INTERFERING W/POLICE	13B	PERSON
168	2430 - HARASSMENT	90Z	
169	2500 - VAGRANCY	90Z	
170	2600 - ALL OTHER OFFENSES	90Z	
171	2610 - VIOLATION OF RESTRAINING ORDER	90Z	
172	2618 - ESCAPE	90Z	
173	2620 - VIOLATION OF DORO	90Z	
174	2631 - VIOLATION OF PROBATION	90Z	
175	2640 - STALKING	90Z	
176	2645 - LURING, ENTICING CHILD	100	PERSON
177	2653 - VIOLATION OF PAROLE	90Z	
178	2666 - RIOT	90Z	
179	2676 - TRESPASSING	90J	
180	2678 - VEHICLE USED WITHOUT OWNERS CONSENT	240	PROPERTY
181	2692 - IMPERSONATING POLICE OFFICER	26C	PROPERTY
182	2700 - MISSING PERSON - ADULT	90Z	
183	2710 - RETURNED MISSING PERSON - ADULT	90Z	
184	2810 - DAY TIME CURFEW - NO CHARGE	90Z	
185	2820 - NIGHT TIME CURFEW - NO CHARGE	90Z	
186	2830 - DAY TIME CURFEW - With Charge	90Z	
187	2840 - NIGHT TIME CURFEW - With Charge	90Z	
188	2900 - RUNAWAYS/JUVENILES	90Z	
189	2910 - RETURNED RUNAWAY – JUVENILE	90Z	
190	3100 - THREATENING TERRORIST THREATS	13C	PERSON
191	3110 - BOMB THREAT	13C	PERSON
192	3120 - OBSCENE/THREATENING/PHONE CALL	13C	PERSON
193	3200 – PROWLERS	90Z	
194	3552 - POSS OF DRUG PARAPHERNALIA	35B	SOCIETY
195	4500 - KIDNAP/ABDUCTION	100	PERSON
196	4600 - SUDDEN DEATH	90Z	
197	5000 - SUICIDE/ATTEMPTED SUICIDE	90Z	
198	7003 - HAZARDOUS MATERIAL	90Z	